Astrodienst Ephemeris Tables

from the year 1050 for 50 years

tropical geocentric zodiac

contains Sun, Moon, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto, True Node, Moon's Node, Lilith, Chiron

Programming
Dieter Koch and Alois Treindl
based on Swiss Ephemeris

Code D5EPX

Astrodienst AG, Dammstr. 23, CH-8702 Zollikon / Zürich, www.astro.com / order@astro.com

ASTRODIENST EPHEMERIS for the year 1050
geocentric

JANUARY 1050 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 4 0	16♉39'42	20♓32	23♐46	7°R22	3♒38	10♓37	0♒31	16♎ 3	13♈40	12♒ 4	17♌28	18♌50	8♌18	22♈48	M 1
T 2	7 7 57	17°40'47	4♈31	24°16	6♉50	4°25	10°49	0°39	16° 3	13°40	12° 6	17°29	18°47	8°24	22°48	T 2
W 3	7 11 53	18°41'51	18° 8	24°51	6°20	5°13	11° 0	0°46	16° 4	13°41	12° 7	17°R30	18°44	8°31	22°48	W 3
T 4	7 15 50	19°42'54	1♉23	25°31	5°52	6° 0	11°12	0°53	16° 5	13°41	12° 9	17°29	18°40	8°37	22°49	T 4
F 5	7 19 46	20°43'55	14°20	26°16	5°25	6°48	11°23	1° 0	16° 5	13°42	12°11	17°27	18°37	8°44	22°49	F 5
S 6	7 23 43	21°44'56	26°59	27° 5	5° 1	7°35	11°35	1° 7	16° 6	13°42	12°12	17°24	18°34	8°51	22°50	S 6
S 7	7 27 39	22°45'55	9♊26	27°57	4°39	8°23	11°47	1°14	16° 6	13°43	12°14	17°20	18°31	8°57	22°50	S 7
M 8	7 31 36	23°46'53	21°40	28°53	4°19	9°10	11°59	1°21	16° 7	13°44	12°16	17°16	18°28	9° 4	22°51	M 8
T 9	7 35 32	24°47'50	3♋46	29°52	4° 1	9°57	12°11	1°29	16° 7	13°44	12°17	17°12	18°25	9°11	22°51	T 9
W10	7 39 29	25°48'46	15°44	0♉54	3°46	10°45	12°23	1°36	16° 7	13°45	12°19	17° 9	18°21	9°17	22°52	W10
T 11	7 43 26	26°49'41	27°36	1°58	3°33	11°32	12°35	1°43	16° 7	13°46	12°21	17° 6	18°18	9°24	22°53	T 11
F 12	7 47 22	27°50'35	9♌25	3° 5	3°23	12°20	12°47	1°50	16° 8	13°47	12°22	17° 5	18°15	9°31	22°54	F 12
S 13	7 51 19	28°51'27	21°12	4°14	3°16	13° 7	13° 0	1°57	16° 8	13°48	12°24	17°D 5	18°12	9°37	22°55	S 13
S 14	7 55 15	29°52'19	3♍ 1	5°25	3°10	13°54	13°12	2° 4	16°R 8	13°49	12°26	17° 6	18° 9	9°44	22°56	S 14
M15	7 59 12	0♒53'09	14°53	6°37	3° 8	14°42	13°25	2°12	16° 8	13°49	12°27	17° 7	18° 5	9°51	22°57	M15
T 16	8 3 8	1°53'59	26°52	7°52	3°D 7	15°29	13°37	2°19	16° 8	13°50	12°29	17° 8	18° 2	9°57	22°58	T 16
W17	8 7 5	2°54'47	9♎ 2	9° 8	3°10	16°17	13°50	2°26	16° 8	13°51	12°31	17°10	17°59	10° 4	22°59	W17
T 18	8 11 1	3°55'34	21°27	10°25	3°14	17° 4	14° 3	2°33	16° 7	13°52	12°33	17°11	17°56	10°11	23° 0	T 18
F 19	8 14 58	4°56'21	4♏11	11°44	3°21	17°51	14°15	2°41	16° 7	13°53	12°34	17°R11	17°53	10°17	23° 2	F 19
S 20	8 18 55	5°57'06	17°19	13° 4	3°30	18°39	14°28	2°48	16° 7	13°54	12°36	17°11	17°50	10°24	23° 3	S 20
S 21	8 22 51	6°57'50	0♐52	14°26	3°42	19°26	14°41	2°55	16° 7	13°56	12°38	17°10	17°46	10°30	23° 4	S 21
M22	8 26 48	7°58'34	14°52	15°48	3°55	20°13	14°54	3° 2	16° 6	13°57	12°40	17° 9	17°43	10°37	23° 6	M22
T 23	8 30 44	8°59'16	29°19	17°12	4°11	21° 1	15° 7	3° 9	16° 6	13°58	12°41	17° 8	17°40	10°44	23° 7	T 23
W24	8 34 41	9°59'57	14♑ 9	18°37	4°29	21°48	15°20	3°17	16° 5	13°59	12°43	17° 7	17°37	10°50	23° 9	W24
T 25	8 38 37	11° 0'36	29°15	20° 3	4°49	22°35	15°34	3°24	16° 5	14° 0	12°45	17° 6	17°34	10°57	23°10	T 25
F 26	8 42 34	12° 1'14	14♒29	21°30	5°10	23°23	15°47	3°31	16° 4	14° 2	12°47	17°D 6	17°31	11° 4	23°12	F 26
S 27	8 46 30	13° 1'50	29°41	22°58	5°34	24°10	16° 0	3°38	16° 3	14° 3	12°48	17° 6	17°27	11°10	23°14	S 27
S 28	8 50 27	14° 2'25	14♓40	24°27	5°59	24°57	16°13	3°45	16° 3	14° 4	12°50	17° 7	17°24	11°17	23°16	S 28
M29	8 54 24	15° 2'58	29°20	25°57	6°26	25°45	16°27	3°52	16° 2	14° 5	12°52	17° 7	17°21	11°24	23°17	M29
T 30	8 58 20	16° 3'29	13♈36	27°28	6°54	26°32	16°40	3°59	16° 1	14° 7	12°53	17° 7	17°18	11°30	23°19	T 30
W31	9 2 17	17♒ 3'58	27♈25	29♑ 0	7♑24	27♒19	16♓54	4♒ 7	16♎ 0	14♈ 8	12♒55	17°R 7	17♌15	11♌37	23♈21	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s31	6s24	2s52	20s56	2n29	17s23	5n59	20s32	1s 7	8s44	1s12	20s47	0s39	5s45	0n38	3n46	1s47	26s43	9s53	15n41	15n15	17n22	9n44	0n54
T 2	22 23	1 43	3 50	21 6	2 20	17 16	6 7	20 20	1 7	8 40	1 12	20 45	0 39	5 45	0 38	3 47	1 47	26 43	9 53	15 40	15 16	17 21	9 44	0 54
W 3	22 15	2n55	4 34	21 18	2 10	17 10	6 15	20 8	1 7	8 35	1 12	20 44	0 39	5 46	0 38	3 47	1 47	26 42	9 53	15 40	15 17	17 21	9 44	0 53
T 4	22 6	7 18	5 2	21 29	2 0	17 5	6 21	19 57	1 7	8 31	1 12	20 42	0 39	5 46	0 39	3 47	1 47	26 42	9 53	15 40	15 18	17 20	9 44	0 53
F 5	21 57	11 13	5 14	21 40	1 50	17 0	6 28	19 44	1 7	8 26	1 12	20 41	0 40	5 46	0 39	3 47	1 47	26 41	9 53	15 41	15 19	17 19	9 44	0 53
S 6	21 48	14 33	5 10	21 52	1 40	16 55	6 33	19 32	1 6	8 21	1 12	20 39	0 40	5 46	0 39	3 48	1 47	26 41	9 53	15 42	15 20	17 18	9 45	0 53
S 7	21 38	17 10	4 51	22 3	1 30	16 52	6 37	19 20	1 6	8 17	1 12	20 38	0 40	5 46	0 39	3 48	1 47	26 40	9 53	15 43	15 21	17 17	9 45	0 53
M 8	21 27	18 59	4 20	22 13	1 20	16 49	6 41	19 7	1 6	8 12	1 11	20 36	0 40	5 46	0 39	3 48	1 47	26 40	9 53	15 44	15 22	17 16	9 45	0 53
T 9	21 17	19 54	3 37	22 24	1 10	16 46	6 44	18 54	1 6	8 7	1 11	20 35	0 40	5 47	0 39	3 49	1 47	26 39	9 53	15 46	15 23	17 15	9 45	0 53
W10	21 5	19 54	2 45	22 33	1 0	16 44	6 46	18 41	1 6	8 3	1 11	20 33	0 40	5 47	0 39	3 49	1 47	26 39	9 53	15 47	15 24	17 14	9 45	0 53
T 11	20 54	19 1	1 46	22 42	0 50	16 43	6 48	18 28	1 6	7 58	1 11	20 32	0 40	5 47	0 39	3 49	1 47	26 38	9 53	15 47	15 25	17 13	9 45	0 53
F 12	20 42	17 18	0 42	22 51	0 41	16 42	6 49	18 14	1 5	7 53	1 11	20 30	0 40	5 47	0 39	3 50	1 46	26 38	9 53	15 48	15 26	17 12	9 45	0 52
S 13	20 30	14 52	0n23	22 58	0 31	16 42	6 50	18 0	1 5	7 48	1 11	20 28	0 40	5 47	0 39	3 50	1 46	26 37	9 53	15 48	15 27	17 11	9 46	0 52
S 14	20 17	11 48	1 27	23 5	0 22	16 42	6 49	17 47	1 5	7 43	1 11	20 27	0 40	5 47	0 39	3 50	1 46	26 37	9 53	15 47	15 28	17 11	9 46	0 52
M15	20 4	8 16	2 28	23 10	0 13	16 43	6 49	17 32	1 5	7 38	1 11	20 25	0 40	5 47	0 39	3 51	1 46	26 36	9 53	15 47	15 29	17 10	9 46	0 52
T 16	19 50	4 21	3 23	23 15	0 4	16 44	6 48	17 18	1 5	7 33	1 10	20 24	0 40	5 47	0 39	3 51	1 46	26 36	9 53	15 47	15 30	17 9	9 47	0 52
W17	19 36	0 14	4 10	23 19	0s 4	16 46	6 46	17 4	1 4	7 28	1 10	20 22	0 40	5 47	0 39	3 52	1 46	26 35	9 53	15 46	15 31	17 8	9 47	0 52
T 18	19 22	3s59	4 46	23 21	0 13	16 48	6 44	16 49	1 4	7 23	1 10	20 21	0 40	5 46	0 39	3 52	1 46	26 35	9 53	15 46	15 32	17 7	9 47	0 52
F 19	19 8	8 7	5 10	23 23	0 21	16 50	6 41	16 34	1 4	7 18	1 10	20 19	0 40	5 46	0 39	3 53	1 46	26 34	9 53	15 46	15 33	17 6	9 48	0 52
S 20	18 53	12 0	5 18	23 23	0 29	16 53	6 38	16 19	1 4	7 13	1 10	20 17	0 41	5 46	0 39	3 53	1 46	26 34	9 53	15 46	15 34	17 5	9 48	0 51
S 21	18 38	15 24	5 9	23 23	0 36	16 56	6 35	16 4	1 4	7 8	1 10	20 16	0 41	5 46	0 39	3 54	1 46	26 33	9 53	15 46	15 35	17 4	9 48	0 51
M22	18 22	18 2	4 41	23 21	0 44	16 59	6 31	15 49	1 3	7 3	1 10	20 14	0 41	5 46	0 39	3 54	1 46	26 33	9 53	15 46	15 36	17 3	9 49	0 51
T 23	18 6	19 38	3 56	23 17	0 51	17 2	6 27	15 34	1 3	6 58	1 10	20 13	0 41	5 46	0 39	3 55	1 46	26 32	9 53	15 47	15 37	17 2	9 49	0 51
W24	17 50	19 56	2 53	23 13	0 58	17 6	6 23	15 18	1 3	6 53	1 10	20 11	0 41	5 45	0 39	3 55	1 46	26 32	9 53	15 47	15 38	17 1	9 50	0 51
T 25	17 33	18 49	1 38	23 7	1 4	17 10	6 19	15 2	1 3	6 47	1 10	20 9	0 41	5 45	0 39	3 56	1 46	26 31	9 53	15 47	15 39	17 0	9 50	0 51
F 26	17 16	16 20	0 15	23 0	1 11	17 14	6 14	14 46	1 2	6 42	1 9	20 8	0 41	5 45	0 39	3 56	1 46	26 31	9 53	15 47	15 40	16 59	9 51	0 51
S 27	16 59	12 44	1s 9	22 51	1 17	17 18	6 9	14 30	1 2	6 37	1 9	20 6	0 41	5 45	0 39	3 57	1 46	26 30	9 53	15 47	15 41	16 58	9 51	0 51
S 28	16 42	8 20	2 28	22 41	1 22	17 22	6 4	14 14	1 2	6 31	1 9	20 5	0 41	5 44	0 39	3 57	1 46	26 30	9 53	15 47	15 42	16 57	9 52	0 50
M29	16 24	3 32	3 34	22 30	1 28	17 26	5 59	13 58	1 1	6 26	1 9	20 3	0 41	5 44	0 39	3 58	1 46	26 29	9 53	15 47	15 43	16 56	9 52	0 50
T 30	16 6	1n19	4 26	22 17	1 33	17 30	5 53	13 42	1 1	6 21	1 9	20 1	0 41	5 44	0 39	3 58	1 46	26 29	9 53	15 47	15 44	16 55	9 53	0 50
W31	15s48	5n57	5s 0	22s 3	1s38	17s34	5n47	13s25	1s 1	6s15	1s 9	20s 0	0s41	5s43	0n39	3n59	1s45	26s28	9s53	15n47	15n45	16n54	9n54	0n50

Julian Day Number = 2104570.5, Delta T = 20m42s
Ecliptic obliquity = 23°33'37, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°29'53, Lahiri = 10°36'53 Julian Calendar 1 Jan. 1050 == Greg. Calendar 7 Jan. 1050

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1050
geocentric

FEBRUARY 1050 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 6 13	18♒ 4'26	10♉48	0♒33	7♑56	28♒ 6	17♓ 7	4♒14	15°R59	14♈10	12♒57	17°D 7	17♌11	11♌44	23♈23	T 1
F 2	9 10 10	19° 4'51	23°46	2° 7	8°29	28°53	17°21	4°21	15♎58	14°11	12°59	17♌ 7	17° 8	11°50	23°25	F 2
S 3	9 14 6	20° 5'14	6♊22	3°41	9° 3	29°40	17°35	4°28	15°57	14°13	13° 0	17° 7	17° 5	11°57	23°27	S 3
S 4	9 18 3	21° 5'36	18°42	5°17	9°39	0♓28	17°48	4°35	15°56	14°14	13° 2	17° 7	17° 2	12° 4	23°29	S 4
M 5	9 21 59	22° 5'55	0♋48	6°54	10°16	1°15	18° 2	4°42	15°55	14°16	13° 4	17° 8	16°59	12°10	23°31	M 5
T 6	9 25 56	23° 6'12	12°44	8°32	10°54	2° 2	18°16	4°49	15°54	14°17	13° 6	17° 9	16°56	12°17	23°34	T 6
W 7	9 29 53	24° 6'28	24°35	10°11	11°33	2°49	18°30	4°56	15°53	14°19	13° 7	17° 9	16°52	12°23	23°36	W 7
T 8	9 33 49	25° 6'42	6♌22	11°50	12°14	3°36	18°44	5° 3	15°51	14°20	13° 9	17°10	16°49	12°30	23°38	T 8
F 9	9 37 46	26° 6'53	18°10	13°31	12°56	4°23	18°58	5°10	15°50	14°22	13°11	17°R10	16°46	12°37	23°41	F 9
S 10	9 41 42	27° 7'03	29°59	15°13	13°38	5°10	19°12	5°16	15°49	14°24	13°12	17°10	16°43	12°43	23°43	S 10
S 11	9 45 39	28° 7'11	11♍53	16°56	14°22	5°57	19°26	5°23	15°47	14°25	13°14	17° 9	16°40	12°50	23°45	S 11
M12	9 49 35	29° 7'17	23°54	18°40	15° 7	6°44	19°40	5°30	15°46	14°27	13°16	17° 7	16°37	12°57	23°48	M12
T 13	9 53 32	0♓ 7'21	6♎ 2	20°25	15°53	7°30	19°54	5°37	15°44	14°29	13°17	17° 5	16°33	13° 3	23°50	T 13
W14	9 57 28	1° 7'23	18°21	22°11	16°39	8°17	20° 8	5°44	15°43	14°30	13°19	17° 3	16°30	13°10	23°53	W14
T 15	10 1 25	2° 7'24	0♏53	23°58	17°27	9° 4	20°22	5°50	15°41	14°32	13°21	17° 1	16°27	13°17	23°56	T 15
F 16	10 5 21	3° 7'23	13°40	25°46	18°15	9°51	20°36	5°57	15°40	14°34	13°22	17° 0	16°24	13°23	23°58	F 16
S 17	10 9 18	4° 7'20	26°46	27°36	19° 4	10°38	20°50	6° 4	15°38	14°36	13°24	16°59	16°21	13°30	24° 1	S 17
S 18	10 13 15	5° 7'16	10♐12	29°26	19°54	11°24	21° 5	6°10	15°36	14°38	13°26	16°D59	16°17	13°37	24° 4	S 18
M19	10 17 11	6° 7'10	24° 0	1♓18	20°45	12°11	21°19	6°17	15°35	14°39	13°27	17° 0	16°14	13°43	24° 6	M19
T 20	10 21 8	7° 7'03	8♑10	3°11	21°36	12°58	21°33	6°24	15°33	14°41	13°29	17° 1	16°11	13°50	24° 9	T 20
W21	10 25 4	8° 6'54	22°42	5° 5	22°28	13°44	21°47	6°30	15°31	14°43	13°31	17° 2	16° 8	13°56	24°12	W21
T 22	10 29 1	9° 6'43	7♒32	7° 0	23°21	14°31	22° 2	6°37	15°29	14°45	13°32	17° 3	16° 5	14° 3	24°15	T 22
F 23	10 32 57	10° 6'30	22°33	8°56	24°14	15°18	22°16	6°43	15°27	14°47	13°34	17°R 3	16° 2	14°10	24°18	F 23
S 24	10 36 54	11° 6'15	7♓39	10°53	25° 8	16° 4	22°30	6°50	15°25	14°49	13°35	17° 2	15°58	14°16	24°21	S 24
S 25	10 40 50	12° 5'58	22°39	12°51	26° 2	16°51	22°45	6°56	15°23	14°51	13°37	17° 0	15°55	14°23	24°24	S 25
M26	10 44 47	13° 5'39	7♈25	14°49	26°57	17°37	22°59	7° 2	15°21	14°53	13°39	16°57	15°52	14°30	24°27	M26
T 27	10 48 44	14° 5'17	21°51	16°49	27°53	18°24	23°14	7° 8	15°19	14°55	13°40	16°53	15°49	14°36	24°30	T 27
W28	10 52 40	15♓ 4'54	5♉50	18♓49	28♑49	19♓10	23♓28	7♒15	15♎17	14♈57	13♒42	16♌49	15♌46	14♌43	24♈33	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s29	10n 8	5s16	21s48	1s42	17s38	5n41	13s 8	1s 1	6s10	1s 9	19s58	0s41	5s43	0n39	4n 0	1s45	26s28	9s53	15n47	15n46	16n53	9n54	0n50
F 2	15 11	13 42	5 16	21 31	1 46	17 42	5 35	12 52	1 0	6 5	1 9	19 57	0 42	5 43	0 39	4 0	1 45	26 28	9 53	15 47	15 47	16 52	9 55	0 50
S 3	14 52	16 33	5 1	21 13	1 50	17 46	5 29	12 35	1 0	5 59	1 9	19 55	0 42	5 42	0 39	4 1	1 45	26 27	9 54	15 47	15 48	16 51	9 55	0 50
S 4	14 32	18 34	4 31	20 53	1 54	17 50	5 23	12 18	1 0	5 54	1 9	19 53	0 42	5 42	0 39	4 1	1 45	26 27	9 54	15 47	15 49	16 50	9 56	0 50
M 5	14 13	19 43	3 50	20 31	1 57	17 54	5 17	12 1	0 59	5 48	1 9	19 52	0 42	5 41	0 39	4 2	1 45	26 26	9 54	15 47	15 50	16 49	9 57	0 50
T 6	13 53	19 58	3 0	20 8	1 59	17 57	5 10	11 43	0 59	5 43	1 9	19 50	0 42	5 41	0 39	4 3	1 45	26 26	9 54	15 47	15 51	16 48	9 58	0 49
W 7	13 33	19 18	2 2	19 44	2 2	18 0	5 4	11 26	0 59	5 37	1 8	19 49	0 42	5 40	0 39	4 3	1 45	26 25	9 54	15 46	15 51	16 47	9 58	0 49
T 8	13 13	17 49	1 0	19 18	2 4	18 3	4 57	11 9	0 58	5 32	1 8	19 47	0 42	5 40	0 39	4 4	1 45	26 25	9 54	15 46	15 52	16 46	9 59	0 49
F 9	12 53	15 33	0n 6	18 51	2 5	18 6	4 51	10 51	0 58	5 26	1 8	19 45	0 42	5 39	0 40	4 5	1 45	26 25	9 54	15 46	15 53	16 45	10 0	0 49
S 10	12 32	12 38	1 11	18 22	2 6	18 9	4 44	10 33	0 57	5 21	1 8	19 44	0 42	5 39	0 40	4 5	1 45	26 24	9 54	15 46	15 54	16 44	10 1	0 49
S 11	12 11	9 11	2 13	17 52	2 7	18 11	4 38	10 16	0 57	5 15	1 8	19 42	0 42	5 38	0 40	4 6	1 45	26 24	9 54	15 47	15 55	16 43	10 1	0 49
M12	11 50	5 21	3 10	17 20	2 7	18 13	4 31	9 58	0 57	5 9	1 8	19 41	0 43	5 38	0 40	4 7	1 45	26 23	9 54	15 47	15 56	16 42	10 2	0 49
T 13	11 29	1 15	3 59	16 46	2 7	18 14	4 24	9 40	0 56	5 4	1 8	19 39	0 43	5 37	0 40	4 7	1 45	26 23	9 55	15 48	15 57	16 41	10 3	0 49
W14	11 8	2s57	4 38	16 11	2 7	18 16	4 17	9 22	0 56	4 58	1 8	19 37	0 43	5 36	0 40	4 8	1 45	26 23	9 55	15 48	15 58	16 40	10 4	0 49
T 15	10 46	7 5	5 4	15 34	2 6	18 17	4 10	9 4	0 56	4 53	1 8	19 36	0 43	5 36	0 40	4 9	1 45	26 22	9 55	15 49	15 59	16 39	10 5	0 48
F 16	10 25	11 0	5 16	14 56	2 4	18 17	4 4	8 46	0 55	4 47	1 8	19 34	0 43	5 35	0 40	4 10	1 45	26 22	9 55	15 49	16 0	16 38	10 6	0 48
S 17	10 3	14 28	5 12	14 17	2 2	18 17	3 57	8 28	0 55	4 41	1 8	19 33	0 43	5 34	0 40	4 10	1 45	26 21	9 55	15 50	16 1	16 37	10 7	0 48
S 18	9 41	17 17	4 51	13 36	2 0	18 17	3 50	8 10	0 54	4 36	1 8	19 31	0 43	5 34	0 40	4 11	1 45	26 21	9 55	15 50	16 2	16 36	10 7	0 48
M19	9 19	19 13	4 13	12 53	1 57	18 17	3 43	7 51	0 54	4 30	1 8	19 30	0 43	5 33	0 40	4 12	1 45	26 21	9 55	15 49	16 3	16 34	10 8	0 48
T 20	8 56	20 0	3 19	12 9	1 53	18 16	3 36	7 33	0 54	4 24	1 8	19 28	0 43	5 32	0 40	4 13	1 45	26 20	9 56	15 49	16 4	16 33	10 9	0 48
W21	8 34	19 30	2 11	11 23	1 49	18 14	3 29	7 15	0 53	4 19	1 8	19 27	0 43	5 32	0 40	4 13	1 45	26 20	9 56	15 49	16 5	16 32	10 10	0 48
T 22	8 12	17 38	0 52	10 36	1 44	18 12	3 22	6 56	0 53	4 13	1 8	19 25	0 44	5 31	0 40	4 14	1 45	26 20	9 56	15 48	16 6	16 31	10 11	0 48
F 23	7 49	14 33	0s30	9 48	1 39	18 10	3 16	6 38	0 52	4 7	1 8	19 23	0 44	5 30	0 40	4 15	1 45	26 19	9 56	15 48	16 7	16 30	10 12	0 48
S 24	7 26	10 28	1 51	8 58	1 34	18 7	3 9	6 19	0 52	4 1	1 8	19 22	0 44	5 29	0 40	4 16	1 45	26 19	9 56	15 49	16 8	16 29	10 13	0 48
S 25	7 3	5 44	3 4	8 7	1 27	18 4	3 2	6 1	0 51	3 56	1 8	19 20	0 44	5 29	0 40	4 16	1 45	26 19	9 56	15 49	16 9	16 28	10 14	0 47
M26	6 41	0 45	4 3	7 14	1 20	18 0	2 55	5 42	0 51	3 50	1 8	19 19	0 44	5 28	0 40	4 17	1 44	26 18	9 57	15 50	16 10	16 27	10 15	0 47
T 27	6 18	4n 9	4 45	6 21	1 13	17 56	2 49	5 23	0 51	3 44	1 8	19 17	0 44	5 27	0 40	4 18	1 44	26 18	9 57	15 51	16 11	16 26	10 16	0 47
W28	5s54	8n41	5s 8	5s26	1s 5	17s52	2n42	5s 5	0s50	3s38	1s 8	19s16	0s44	5s26	0n40	4n19	1s44	26s18	9s57	15n53	16n12	16n25	10n17	0n47

Julian Day Number = 2104601.5, Delta T = 20m41s
Ecliptic obliquity = 23°33'38, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°29'57, Lahiri = 10°36'58 Julian Calendar 1 Feb. 1050 == Greg. Calendar 7 Feb. 1050

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1050
geocentric

MARCH 1050 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 56 37	16♓ 4'28	19♉22	20♓50	29♋45	19♓56	23♓43	7♒21	15°R15	14♈59	13♒43	16°R45	15♌42	14♌50	24♈36	T 1
F 2	11 0 33	17° 4'00	2♊26	22°51	0♒42	20°43	23°57	7°27	15♎13	15° 1	13°45	16♌43	15°39	14°56	24°39	F 2
S 3	11 4 30	18° 3'30	15° 6	24°52	1°40	21°29	24°11	7°33	15°11	15° 3	13°46	16°D42	15°36	15° 3	24°42	S 3
S 4	11 8 26	19° 2'57	27°26	26°52	2°38	22°15	24°26	7°39	15° 9	15° 5	13°48	16°42	15°33	15°10	24°46	S 4
M 5	11 12 23	20° 2'22	9♋30	28°53	3°36	23° 1	24°40	7°45	15° 6	15° 7	13°49	16°43	15°30	15°16	24°49	M 5
T 6	11 16 19	21° 1'45	21°24	0♈52	4°35	23°48	24°55	7°51	15° 4	15° 9	13°50	16°45	15°27	15°23	24°52	T 6
W 7	11 20 16	22° 1'05	3♌12	2°51	5°34	24°34	25° 9	7°57	15° 2	15°11	13°52	16°47	15°23	15°30	24°55	W 7
T 8	11 24 13	23° 0'23	14°58	4°48	6°33	25°20	25°24	8° 3	15° 0	15°13	13°53	16°R48	15°20	15°36	24°59	T 8
F 9	11 28 9	23°59'38	26°47	6°43	7°33	26° 6	25°38	8° 8	14°57	15°16	13°55	16°47	15°17	15°43	25° 2	F 9
S 10	11 32 6	24°58'52	8♍41	8°36	8°34	26°52	25°53	8°14	14°55	15°18	13°56	16°45	15°14	15°49	25° 5	S 10
S 11	11 36 2	25°58'03	20°44	10°26	9°34	27°38	26° 7	8°20	14°52	15°20	13°58	16°41	15°11	15°56	25° 9	S 11
M12	11 39 59	26°57'12	2♎56	12°14	10°35	28°24	26°22	8°25	14°50	15°22	13°59	16°35	15° 8	16° 3	25°12	M12
T 13	11 43 55	27°56'19	15°19	13°57	11°36	29° 9	26°36	8°31	14°48	15°24	14° 0	16°28	15° 4	16° 9	25°16	T 13
W14	11 47 52	28°55'24	27°54	15°37	12°38	29°55	26°51	8°36	14°45	15°26	14° 2	16°20	15° 1	16°16	25°19	W14
T 15	11 51 48	29°54'27	10♏42	17°13	13°40	0♈41	27° 5	8°42	14°43	15°29	14° 3	16°13	14°58	16°23	25°23	T 15
F 16	11 55 45	0♈53'29	23°42	18°45	14°42	1°27	27°20	8°47	14°40	15°31	14° 4	16° 6	14°55	16°29	25°26	F 16
S 17	11 59 41	1°52'28	6♐56	20°11	15°44	2°12	27°34	8°52	14°38	15°33	14° 5	16° 1	14°52	16°36	25°30	S 17
S 18	12 3 38	2°51'26	20°24	21°33	16°47	2°58	27°49	8°58	14°35	15°35	14° 7	15°59	14°48	16°43	25°33	S 18
M19	12 7 35	3°50'22	4♑ 8	22°49	17°50	3°44	28° 3	9° 3	14°33	15°37	14° 8	15°D58	14°45	16°49	25°37	M19
T 20	12 11 31	4°49'16	18° 7	24° 0	18°53	4°29	28°18	9° 8	14°30	15°40	14° 9	15°59	14°42	16°56	25°40	T 20
W21	12 15 28	5°48'09	2♒21	25° 5	19°57	5°15	28°32	9°13	14°28	15°42	14°10	16° 0	14°39	17° 3	25°44	W21
T 22	12 19 24	6°46'59	16°49	26° 4	21° 1	6° 0	28°46	9°18	14°25	15°44	14°11	16°R 0	14°36	17° 9	25°48	T 22
F 23	12 23 21	7°45'48	1♓28	26°57	22° 5	6°46	29° 1	9°23	14°23	15°46	14°13	15°59	14°33	17°16	25°51	F 23
S 24	12 27 17	8°44'35	16°13	27°44	23° 9	7°31	29°15	9°28	14°20	15°49	14°14	15°56	14°29	17°22	25°55	S 24
S 25	12 31 14	9°43'20	0♈57	28°25	24°13	8°16	29°30	9°32	14°18	15°51	14°15	15°51	14°26	17°29	25°59	S 25
M26	12 35 10	10°42'03	15°32	29° 0	25°18	9° 2	29°44	9°37	14°15	15°53	14°16	15°43	14°23	17°36	26° 2	M26
T 27	12 39 7	11°40'44	29°52	29°28	26°23	9°47	29°58	9°42	14°13	15°55	14°17	15°34	14°20	17°42	26° 6	T 27
W28	12 43 4	12°39'23	13♉50	29°50	27°28	10°32	0♈13	9°46	14°10	15°58	14°18	15°25	14°17	17°49	26°10	W28
T 29	12 47 0	13°38'00	27°24	0♉ 6	28°33	11°17	0°27	9°51	14° 8	16° 0	14°19	15°16	14°13	17°56	26°13	T 29
F 30	12 50 57	14°36'35	10♊32	0°15	29°38	12° 2	0°41	9°55	14° 5	16° 2	14°20	15° 9	14°10	18° 2	26°17	F 30
S 31	12 54 53	15♈35'08	23♊15	0°R19	0♓44	12♈47	0♈55	9♒59	14♎ 2	16♈ 4	14♒21	15♌ 5	14♌ 7	18♌ 9	26♈21	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s31	12n37	5s14	4s31	0s56	17s46	2n35	4s46	0s50	3s33	1s 8	19s14	0s44	5s25	0n40	4n20	1s44	26s18	9s57	15n54	16n12	16n24	10n18	0n47
F 2	5 8	15 49	5 2	3 35	0 47	17 41	2 29	4 27	0 49	3 27	1 8	19 13	0 44	5 25	0 40	4 20	1 44	26 17	9 57	15 54	16 13	16 22	10 19	0 47
S 3	4 45	18 9	4 36	2 38	0 38	17 35	2 22	4 8	0 49	3 21	1 8	19 12	0 45	5 24	0 40	4 21	1 44	26 17	9 57	15 55	16 14	16 21	10 21	0 47
S 4	4 21	19 34	3 58	1 40	0 28	17 28	2 16	3 50	0 48	3 15	1 8	19 10	0 45	5 23	0 40	4 22	1 44	26 17	9 58	15 55	16 15	16 20	10 22	0 47
M 5	3 58	20 3	3 10	0 43	0 17	17 21	2 9	3 31	0 48	3 10	1 8	19 9	0 45	5 22	0 40	4 23	1 44	26 17	9 58	15 54	16 16	16 19	10 23	0 47
T 6	3 34	19 38	2 15	0n15	0 6	17 14	2 3	3 12	0 47	3 4	1 8	19 7	0 45	5 21	0 40	4 24	1 44	26 16	9 58	15 54	16 17	16 18	10 24	0 47
W 7	3 11	18 21	1 14	1 13	0n 5	17 6	1 56	2 53	0 47	2 58	1 8	19 6	0 45	5 20	0 40	4 25	1 44	26 16	9 58	15 53	16 18	16 17	10 25	0 46
T 8	2 47	16 16	0 10	2 10	0 17	16 57	1 50	2 34	0 46	2 52	1 8	19 4	0 45	5 19	0 40	4 25	1 44	26 16	9 59	15 53	16 19	16 16	10 26	0 46
F 9	2 24	13 30	0n54	3 7	0 29	16 48	1 44	2 16	0 46	2 46	1 8	19 3	0 45	5 18	0 40	4 26	1 44	26 16	9 59	15 53	16 20	16 15	10 27	0 46
S 10	2 0	10 9	1 57	4 3	0 41	16 39	1 38	1 57	0 45	2 41	1 8	19 2	0 45	5 17	0 40	4 27	1 44	26 15	9 59	15 54	16 21	16 13	10 28	0 46
S 11	1 37	6 21	2 54	4 57	0 53	16 29	1 31	1 38	0 45	2 35	1 8	19 0	0 46	5 17	0 40	4 28	1 44	26 15	9 59	15 55	16 22	16 12	10 30	0 46
M12	1 13	2 16	3 45	5 51	1 5	16 18	1 25	1 19	0 44	2 29	1 8	18 59	0 46	5 16	0 40	4 29	1 44	26 15	9 59	15 57	16 23	16 11	10 31	0 46
T 13	0 49	1s59	4 25	6 42	1 17	16 7	1 19	1 0	0 44	2 23	1 8	18 58	0 46	5 15	0 40	4 30	1 44	26 15	10 0	15 59	16 24	16 10	10 32	0 46
W14	0 26	6 13	4 53	7 32	1 28	15 56	1 13	0 42	0 43	2 18	1 8	18 56	0 46	5 14	0 40	4 31	1 44	26 15	10 0	16 1	16 25	16 9	10 33	0 46
T 15	0 2	10 14	5 8	8 20	1 40	15 44	1 8	0 23	0 43	2 12	1 8	18 55	0 46	5 13	0 40	4 31	1 44	26 14	10 0	16 4	16 26	16 8	10 34	0 46
F 16	0n21	13 51	5 6	9 5	1 51	15 31	1 2	0 4	0 42	2 6	1 8	18 54	0 46	5 12	0 40	4 32	1 44	26 14	10 0	16 5	16 27	16 7	10 36	0 46
S 17	0 45	16 50	4 49	9 48	2 2	15 18	0 56	0n15	0 42	2 0	1 8	18 52	0 46	5 11	0 40	4 33	1 44	26 14	10 1	16 7	16 28	16 5	10 37	0 46
S 18	1 9	18 58	4 15	10 28	2 12	15 5	0 50	0 33	0 41	1 54	1 8	18 51	0 46	5 10	0 40	4 34	1 44	26 14	10 1	16 8	16 28	16 4	10 38	0 45
M19	1 32	20 3	3 27	11 6	2 21	14 51	0 45	0 52	0 41	1 49	1 8	18 50	0 47	5 9	0 40	4 35	1 44	26 14	10 1	16 8	16 29	16 3	10 39	0 45
T 20	1 56	19 56	2 25	11 41	2 30	14 37	0 39	1 11	0 40	1 43	1 8	18 49	0 47	5 8	0 40	4 36	1 44	26 14	10 1	16 8	16 30	16 2	10 41	0 45
W21	2 19	18 33	1 13	12 12	2 38	14 22	0 34	1 29	0 40	1 37	1 8	18 48	0 47	5 7	0 40	4 37	1 44	26 14	10 2	16 7	16 31	16 1	10 42	0 45
T 22	2 42	15 57	0s 4	12 41	2 45	14 7	0 29	1 48	0 39	1 31	1 8	18 46	0 47	5 6	0 40	4 37	1 44	26 13	10 2	16 7	16 32	16 0	10 43	0 45
F 23	3 6	12 17	1 22	13 6	2 51	13 51	0 23	2 6	0 39	1 26	1 8	18 45	0 47	5 5	0 40	4 38	1 44	26 13	10 2	16 7	16 33	15 58	10 44	0 45
S 24	3 29	7 51	2 35	13 28	2 57	13 35	0 18	2 25	0 38	1 20	1 8	18 44	0 47	5 4	0 40	4 39	1 44	26 13	10 2	16 8	16 34	15 57	10 46	0 45
S 25	3 52	2 57	3 37	13 47	3 1	13 19	0 13	2 43	0 37	1 14	1 8	18 43	0 47	5 3	0 40	4 40	1 44	26 13	10 3	16 10	16 35	15 56	10 47	0 45
M26	4 15	2n 4	4 25	14 2	3 4	13 2	0 8	3 2	0 37	1 9	1 8	18 42	0 48	5 2	0 40	4 41	1 44	26 13	10 3	16 12	16 36	15 55	10 48	0 45
T 27	4 38	6 53	4 54	14 14	3 6	12 44	0 3	3 20	0 36	1 3	1 8	18 41	0 48	5 1	0 40	4 42	1 44	26 13	10 3	16 15	16 37	15 54	10 49	0 45
W28	5 1	11 13	5 6	14 22	3 6	12 27	0s 2	3 39	0 36	0 57	1 8	18 40	0 48	5 0	0 40	4 43	1 44	26 13	10 3	16 18	16 38	15 52	10 51	0 45
T 29	5 24	14 50	4 59	14 27	3 6	12 8	0 7	3 57	0 35	0 52	1 8	18 39	0 48	4 59	0 40	4 44	1 44	26 13	10 4	16 20	16 39	15 51	10 52	0 45
F 30	5 47	17 35	4 37	14 29	3 4	11 50	0 11	4 15	0 35	0 46	1 8	18 37	0 48	4 58	0 40	4 44	1 44	26 13	10 4	16 22	16 40	15 50	10 53	0 45
S 31	6n10	19n23	4s 1	14n27	3n 0	11s31	0s16	4n33	0s34	0s40	1s 8	18s36	0s48	4s57	0n40	4n45	1s44	26s13	10s 4	16n24	16n41	15n49	10n55	0n44

Julian Day Number = 2104629.5, Delta T = 20m41s
Ecliptic obliquity = 23°33'38, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°30'01, Lahiri = 10°37'01 Julian Calendar 1 March 1050 == Greg. Calendar 7 March 1050

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1050
geocentric

APRIL 1050 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 58 50	16♈33'38	5♋38	0°R17	1♓49	13♈32	1♈10	10♒ 4	14°R 0	16♈ 7	14♒22	15°R 2	14♌ 4	18♌16	26♈25	S 1
M 2	13 2 46	17°32'06	17°43	0♉ 9	2°55	14°17	1°24	10° 8	13♎57	16° 9	14°23	15°D 1	14° 1	18°22	26°28	M 2
T 3	13 6 43	18°30'32	29°38	29♈55	4° 1	15° 2	1°38	10°12	13°55	16°11	14°24	15♌ 2	13°58	18°29	26°32	T 3
W 4	13 10 39	19°28'56	11♌26	29°37	5° 7	15°47	1°52	10°16	13°52	16°14	14°25	15°R 2	13°54	18°36	26°36	W 4
T 5	13 14 36	20°27'18	23°14	29°14	6°14	16°32	2° 6	10°20	13°50	16°16	14°26	15° 2	13°51	18°42	26°40	T 5
F 6	13 18 33	21°25'37	5♍ 5	28°47	7°20	17°16	2°20	10°24	13°47	16°18	14°27	15° 0	13°48	18°49	26°44	F 6
S 7	13 22 29	22°23'55	17° 5	28°16	8°27	18° 1	2°34	10°27	13°45	16°20	14°27	14°56	13°45	18°55	26°47	S 7
S 8	13 26 26	23°22'10	29°17	27°42	9°34	18°46	2°48	10°31	13°42	16°23	14°28	14°49	13°42	19° 2	26°51	S 8
M 9	13 30 22	24°20'24	11♎42	27° 6	10°40	19°30	3° 2	10°35	13°40	16°25	14°29	14°39	13°39	19° 9	26°55	M 9
T 10	13 34 19	25°18'35	24°22	26°28	11°48	20°15	3°16	10°38	13°37	16°27	14°30	14°28	13°35	19°15	26°59	T 10
W11	13 38 15	26°16'45	7♏17	25°50	12°55	20°59	3°30	10°41	13°35	16°29	14°31	14°16	13°32	19°22	27° 3	W11
T 12	13 42 12	27°14'53	20°26	25°11	14° 2	21°44	3°44	10°45	13°32	16°31	14°31	14° 5	13°29	19°29	27° 6	T 12
F 13	13 46 8	28°13'00	3♐47	24°32	15° 9	22°28	3°58	10°48	13°30	16°34	14°32	13°54	13°26	19°35	27°10	F 13
S 14	13 50 5	29°11'05	17°20	23°55	16°17	23°12	4°12	10°51	13°27	16°36	14°33	13°46	13°23	19°42	27°14	S 14
S 15	13 54 2	0♑ 9'09	1♑ 1	23°19	17°25	23°57	4°25	10°54	13°25	16°38	14°33	13°41	13°19	19°49	27°18	S 15
M16	13 57 58	1° 7'11	14°52	22°46	18°32	24°41	4°39	10°57	13°22	16°40	14°34	13°38	13°16	19°55	27°22	M16
T 17	14 1 55	2° 5'12	28°50	22°15	19°40	25°25	4°53	11° 0	13°20	16°43	14°34	13°D37	13°13	20° 2	27°25	T 17
W18	14 5 51	3° 3'11	12♒56	21°48	20°48	26° 9	5° 6	11° 3	13°18	16°45	14°35	13°R37	13°10	20° 9	27°29	W18
T 19	14 9 48	4° 1'09	27° 8	21°24	21°56	26°53	5°20	11° 6	13°15	16°47	14°36	13°37	13° 7	20°15	27°33	T 19
F 20	14 13 44	4°59'06	11♓26	21° 5	23° 5	27°37	5°33	11° 8	13°13	16°49	14°36	13°35	13° 4	20°22	27°37	F 20
S 21	14 17 41	5°57'01	25°46	20°50	24°13	28°21	5°47	11°11	13°11	16°51	14°37	13°30	13° 0	20°29	27°41	S 21
S 22	14 21 37	6°54'55	10♈ 5	20°39	25°21	29° 5	6° 0	11°13	13° 8	16°53	14°37	13°23	12°57	20°35	27°44	S 22
M23	14 25 34	7°52'48	24°17	20°32	26°30	29°49	6°14	11°16	13° 6	16°56	14°37	13°13	12°54	20°42	27°48	M23
T 24	14 29 30	8°50'39	8♉18	20°D30	27°38	0♉33	6°27	11°18	13° 4	16°58	14°38	13° 1	12°51	20°48	27°52	T 24
W25	14 33 27	9°48'28	22° 3	20°33	28°47	1°16	6°40	11°20	13° 2	17° 0	14°38	12°49	12°48	20°55	27°56	W25
T 26	14 37 24	10°46'17	5♊27	20°41	29°56	2° 0	6°53	11°22	12°59	17° 2	14°39	12°37	12°45	21° 2	27°59	T 26
F 27	14 41 20	11°44'03	18°30	20°52	1♈ 5	2°44	7° 7	11°24	12°57	17° 4	14°39	12°28	12°41	21° 8	28° 3	F 27
S 28	14 45 17	12°41'48	1♋11	21° 9	2°14	3°27	7°20	11°26	12°55	17° 6	14°39	12°21	12°38	21°15	28° 7	S 28
S 29	14 49 13	13°39'32	13°32	21°30	3°23	4°11	7°33	11°28	12°53	17° 8	14°40	12°16	12°35	21°22	28°10	S 29
M30	14 53 10	14♉37'14	25♋39	21♈55	4♈32	4♉54	7♈46	11♒30	12♎51	17♈10	14♒40	12♌14	12♌32	21♌28	28♈14	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n33	20n12	3s15	14n22	2n56	11s12	0s20	4n51	0s34	0s35	1s 8	18s35	0s48	4s56	0n40	4n46	1s44	26s13	10s 5	16n24	16n41	15n48	10n56	0n44
M 2	6 55	20 3	2 21	14 13	2 49	10 52	0 25	5 9	0 33	0 29	1 8	18 34	0 49	4 55	0 40	4 47	1 44	26 13	10 5	16 25	16 42	15 46	10 57	0 44
T 3	7 17	19 0	1 22	14 1	2 42	10 32	0 29	5 27	0 32	0 23	1 8	18 33	0 49	4 54	0 40	4 48	1 44	26 13	10 5	16 25	16 43	15 45	10 58	0 44
W 4	7 40	17 8	0 19	13 47	2 33	10 12	0 33	5 45	0 32	0 18	1 8	18 33	0 49	4 53	0 40	4 49	1 44	26 13	10 5	16 24	16 44	15 44	11 0	0 44
T 5	8 2	14 32	0n44	13 29	2 23	9 51	0 37	6 3	0 31	0 12	1 8	18 32	0 49	4 52	0 40	4 50	1 44	26 13	10 6	16 24	16 45	15 43	11 1	0 44
F 6	8 24	11 19	1 45	13 8	2 12	9 30	0 41	6 21	0 31	0 7	1 8	18 31	0 49	4 51	0 40	4 50	1 44	26 13	10 6	16 25	16 46	15 41	11 2	0 44
S 7	8 46	7 37	2 42	12 46	1 59	9 8	0 45	6 38	0 30	0 1	1 8	18 30	0 49	4 50	0 40	4 51	1 44	26 13	10 6	16 26	16 47	15 40	11 4	0 44
S 8	9 7	3 32	3 33	12 21	1 45	8 47	0 49	6 56	0 29	0n 4	1 8	18 29	0 49	4 49	0 40	4 52	1 44	26 13	10 7	16 28	16 48	15 39	11 5	0 44
M 9	9 29	0s45	4 14	11 54	1 31	8 25	0 53	7 13	0 29	0 10	1 9	18 28	0 50	4 48	0 40	4 53	1 44	26 13	10 7	16 31	16 49	15 38	11 6	0 44
T 10	9 50	5 6	4 44	11 26	1 15	8 2	0 56	7 31	0 28	0 15	1 9	18 27	0 50	4 47	0 40	4 54	1 44	26 13	10 7	16 34	16 50	15 36	11 8	0 44
W11	10 12	9 17	5 0	10 57	0 59	7 40	1 0	7 48	0 28	0 21	1 9	18 27	0 50	4 46	0 40	4 55	1 44	26 13	10 7	16 38	16 51	15 35	11 9	0 44
T 12	10 33	13 7	5 0	10 27	0 42	7 17	1 3	8 5	0 27	0 26	1 9	18 26	0 50	4 45	0 40	4 56	1 44	26 13	10 8	16 41	16 52	15 34	11 10	0 44
F 13	10 54	16 22	4 44	9 57	0 25	6 54	1 6	8 23	0 27	0 32	1 9	18 25	0 50	4 44	0 40	4 56	1 44	26 13	10 8	16 44	16 52	15 33	11 12	0 43
S 14	11 14	18 46	4 12	9 27	0 8	6 30	1 10	8 40	0 26	0 37	1 9	18 24	0 50	4 43	0 40	4 57	1 44	26 13	10 8	16 47	16 53	15 31	11 13	0 43
S 15	11 35	20 8	3 25	8 58	0s 9	6 7	1 13	8 57	0 25	0 43	1 9	18 24	0 50	4 43	0 40	4 58	1 44	26 13	10 9	16 48	16 54	15 30	11 14	0 43
M16	11 55	20 18	2 26	8 30	0 26	5 43	1 16	9 13	0 25	0 48	1 9	18 23	0 51	4 42	0 40	4 59	1 44	26 13	10 9	16 49	16 55	15 29	11 15	0 43
T 17	12 16	19 14	1 18	8 3	0 43	5 19	1 19	9 30	0 24	0 53	1 9	18 22	0 51	4 41	0 40	5 0	1 44	26 13	10 9	16 49	16 56	15 28	11 17	0 43
W18	12 36	16 58	0 4	7 38	0 59	4 55	1 21	9 47	0 24	0 59	1 9	18 22	0 51	4 40	0 40	5 1	1 44	26 14	10 10	16 49	16 57	15 26	11 18	0 43
T 19	12 55	13 38	1s11	7 14	1 15	4 30	1 24	10 3	0 23	1 4	1 9	18 21	0 51	4 39	0 40	5 1	1 44	26 14	10 10	16 49	16 58	15 25	11 19	0 43
F 20	13 15	9 30	2 22	6 53	1 30	4 5	1 27	10 20	0 22	1 9	1 9	18 20	0 51	4 38	0 40	5 2	1 44	26 14	10 10	16 50	16 59	15 24	11 21	0 43
S 21	13 34	4 48	3 23	6 34	1 44	3 40	1 29	10 36	0 22	1 15	1 10	18 20	0 51	4 37	0 40	5 3	1 44	26 14	10 10	16 51	17 0	15 22	11 22	0 43
S 22	13 53	0n 9	4 12	6 18	1 57	3 15	1 32	10 53	0 21	1 20	1 10	18 19	0 52	4 36	0 40	5 4	1 44	26 14	10 11	16 53	17 1	15 21	11 23	0 43
M23	14 12	5 3	4 45	6 4	2 10	2 50	1 34	11 9	0 20	1 25	1 10	18 19	0 52	4 35	0 40	5 5	1 44	26 14	10 11	16 56	17 2	15 20	11 25	0 43
T 24	14 31	9 37	5 0	5 52	2 21	2 25	1 36	11 25	0 20	1 30	1 10	18 18	0 52	4 35	0 40	5 5	1 44	26 14	10 11	17 0	17 2	15 18	11 26	0 43
W25	14 50	13 35	4 57	5 43	2 32	1 59	1 38	11 41	0 19	1 36	1 10	18 18	0 52	4 34	0 40	5 6	1 44	26 15	10 12	17 3	17 3	15 17	11 27	0 43
T 26	15 8	16 46	4 38	5 37	2 42	1 34	1 40	11 56	0 19	1 41	1 10	18 18	0 52	4 33	0 40	5 7	1 44	26 15	10 12	17 6	17 4	15 16	11 29	0 43
F 27	15 26	19 0	4 4	5 33	2 50	1 8	1 42	12 12	0 18	1 46	1 10	18 17	0 52	4 32	0 40	5 8	1 44	26 15	10 12	17 9	17 5	15 15	11 30	0 43
S 28	15 44	20 14	3 19	5 32	2 58	0 42	1 44	12 27	0 17	1 51	1 10	18 17	0 53	4 31	0 40	5 9	1 44	26 15	10 13	17 11	17 6	15 13	11 31	0 43
S 29	16 1	20 27	2 26	5 34	3 5	0 16	1 46	12 43	0 17	1 56	1 10	18 16	0 53	4 30	0 40	5 9	1 44	26 15	10 13	17 12	17 7	15 12	11 32	0 42
M30	16n18	19n42	1s27	5n38	3s11	0n10	1s47	12n58	0s16	2n 1	1s10	18s16	0s53	4s30	0n40	5n10	1s44	26s16	10s13	17n13	17n 8	15n11	11n34	0n42

Julian Day Number = 2104660.5, Delta T = 20m41s
Ecliptic obliquity = 23°33'39, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°30'05, Lahiri = 10°37'06 Julian Calendar 1 Apr. 1050 == Greg. Calendar 7 Apr. 1050

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1050
geocentric

MAY 1050 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 57 6	15♉34'54	7♌34	22♈24	5♈41	5♉38	7♈59	11♒31	12°R49	17♈12	14♒40	12°R13	12♌29	21♌35	28♈18	T 1
W 2	15 1 3	16°32'32	19°23	22°58	6°50	6°21	8°11	11°33	12♎47	17°14	14°40	12♌13	12°25	21°42	28°22	W 2
T 3	15 4 59	17°30'09	1♍12	23°35	7°59	7° 4	8°24	11°34	12°45	17°16	14°41	12°13	12°22	21°48	28°25	T 3
F 4	15 8 56	18°27'45	13° 6	24°16	9° 9	7°48	8°37	11°35	12°43	17°18	14°41	12°11	12°19	21°55	28°29	F 4
S 5	15 12 53	19°25'19	25° 9	25° 2	10°18	8°31	8°49	11°37	12°41	17°20	14°41	12° 6	12°16	22° 2	28°32	S 5
S 6	15 16 49	20°22'51	7♎28	25°50	11°28	9°14	9° 2	11°38	12°39	17°22	14°41	12° 0	12°13	22° 8	28°36	S 6
M 7	15 20 46	21°20'22	20° 3	26°42	12°37	9°57	9°15	11°39	12°37	17°24	14°41	11°50	12°10	22°15	28°40	M 7
T 8	15 24 42	22°17'52	2♏57	27°38	13°47	10°40	9°27	11°40	12°36	17°26	14°41	11°39	12° 6	22°21	28°43	T 8
W 9	15 28 39	23°15'21	16°11	28°37	14°57	11°23	9°39	11°40	12°34	17°28	14°41	11°27	12° 3	22°28	28°47	W 9
T 10	15 32 35	24°12'49	29°42	29°39	16° 6	12° 6	9°52	11°41	12°32	17°30	14°R41	11°16	12° 0	22°35	28°50	T 10
F 11	15 36 32	25°10'15	13♐27	0♉45	17°16	12°49	10° 4	11°42	12°31	17°32	14°41	11° 5	11°57	22°41	28°54	F 11
S 12	15 40 28	26° 7'41	27°24	1°53	18°26	13°32	10°16	11°42	12°29	17°34	14°41	10°57	11°54	22°48	28°57	S 12
S 13	15 44 25	27° 5'06	11♑29	3° 5	19°36	14°14	10°28	11°43	12°27	17°36	14°41	10°52	11°50	22°55	29° 1	S 13
M14	15 48 22	28° 2'30	25°37	4°19	20°46	14°57	10°40	11°43	12°26	17°38	14°41	10°49	11°47	23° 1	29° 4	M14
T 15	15 52 18	28°59'53	9♒46	5°36	21°56	15°40	10°52	11°43	12°24	17°39	14°41	10°D48	11°44	23° 8	29° 8	T 15
W16	15 56 15	29°57'15	23°56	6°57	23° 6	16°22	11° 4	11°43	12°23	17°41	14°41	10°R49	11°41	23°15	29°11	W16
T 17	16 0 11	0♊54'37	8♓ 3	8°20	24°16	17° 5	11°15	11°R43	12°21	17°43	14°41	10°48	11°38	23°21	29°15	T 17
F 18	16 4 8	1°51'59	22° 8	9°46	25°27	17°47	11°27	11°43	12°20	17°45	14°40	10°47	11°35	23°28	29°18	F 18
S 19	16 8 4	2°49'20	6♈ 9	11°15	26°37	18°30	11°39	11°43	12°19	17°46	14°40	10°43	11°31	23°35	29°21	S 19
S 20	16 12 1	3°46'40	20° 4	12°46	27°47	19°12	11°50	11°43	12°17	17°48	14°40	10°37	11°28	23°41	29°25	S 20
M21	16 15 57	4°44'00	3♉51	14°21	28°58	19°55	12° 1	11°43	12°16	17°50	14°40	10°28	11°25	23°48	29°28	M21
T 22	16 19 54	5°41'19	17°26	15°58	0♉ 8	20°37	12°13	11°42	12°15	17°52	14°39	10°18	11°22	23°55	29°31	T 22
W23	16 23 51	6°38'37	0♊48	17°37	1°19	21°19	12°24	11°42	12°14	17°53	14°39	10° 8	11°19	24° 1	29°34	W23
T 24	16 27 47	7°35'55	13°54	19°20	2°29	22° 1	12°35	11°41	12°13	17°55	14°39	9°58	11°16	24° 8	29°37	T 24
F 25	16 31 44	8°33'12	26°43	21° 5	3°40	22°44	12°46	11°40	12°12	17°56	14°38	9°49	11°12	24°15	29°41	F 25
S 26	16 35 40	9°30'29	9♋15	22°53	4°51	23°26	12°57	11°39	12°11	17°58	14°38	9°43	11° 9	24°21	29°44	S 26
S 27	16 39 37	10°27'45	21°31	24°43	6° 1	24° 8	13° 8	11°38	12°10	18° 0	14°38	9°39	11° 6	24°28	29°47	S 27
M28	16 43 33	11°25'00	3♌34	26°36	7°12	24°50	13°18	11°37	12° 9	18° 1	14°37	9°37	11° 3	24°34	29°50	M28
T 29	16 47 30	12°22'14	15°28	28°31	8°23	25°32	13°29	11°36	12° 8	18° 3	14°37	9°D37	11° 0	24°41	29°53	T 29
W30	16 51 27	13°19'28	27°17	0♊29	9°34	26°13	13°40	11°35	12° 7	18° 4	14°36	9°38	10°56	24°48	29°56	W30
T 31	16 55 23	14♊16'41	9♍ 6	2♊29	10♉45	26♉55	13♈50	11♒34	12♎ 6	18♈ 5	14♒36	9°R39	10♌53	24♌54	29♈59	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n35	18n 5	0s25	5n44	3s16	0n36	1s49	13n13	0s15	2n 6	1s11	18s16	0s53	4s29	0n39	5n11	1s45	26s16	10s14	17n13	17n 9	15n 9	11n35	0n42
W 2	16 52	15 41	0n38	5 53	3 20	1 3	1 50	13 28	0 15	2 11	1 11	18 16	0 53	4 28	0 39	5 12	1 45	26 16	10 14	17 13	17 10	15 8	11 36	0 42
T 3	17 8	12 39	1 39	6 4	3 23	1 29	1 51	13 43	0 14	2 16	1 11	18 15	0 53	4 27	0 39	5 12	1 45	26 16	10 14	17 13	17 11	15 7	11 37	0 42
F 4	17 25	9 4	2 36	6 17	3 25	1 55	1 53	13 58	0 14	2 21	1 11	18 15	0 54	4 27	0 39	5 13	1 45	26 17	10 15	17 14	17 11	15 5	11 39	0 42
S 5	17 40	5 6	3 27	6 32	3 27	2 21	1 54	14 12	0 13	2 26	1 11	18 15	0 54	4 26	0 39	5 14	1 45	26 17	10 15	17 15	17 12	15 4	11 40	0 42
S 6	17 56	0 50	4 9	6 49	3 27	2 48	1 55	14 27	0 12	2 31	1 11	18 15	0 54	4 25	0 39	5 15	1 45	26 17	10 15	17 17	17 13	15 3	11 41	0 42
M 7	18 11	3s33	4 40	7 8	3 27	3 14	1 56	14 41	0 12	2 35	1 11	18 15	0 54	4 25	0 39	5 15	1 45	26 17	10 16	17 19	17 14	15 1	11 42	0 42
T 8	18 26	7 54	4 58	7 29	3 26	3 41	1 56	14 55	0 11	2 40	1 11	18 15	0 54	4 24	0 39	5 16	1 45	26 18	10 16	17 23	17 15	15 0	11 44	0 42
W 9	18 41	11 58	5 0	7 51	3 24	4 7	1 57	15 9	0 10	2 45	1 12	18 15	0 54	4 23	0 39	5 17	1 45	26 18	10 16	17 26	17 16	14 58	11 45	0 42
T 10	18 55	15 32	4 46	8 16	3 22	4 33	1 58	15 23	0 10	2 50	1 12	18 15	0 55	4 23	0 39	5 17	1 45	26 18	10 17	17 29	17 17	14 57	11 46	0 42
F 11	19 9	18 19	4 15	8 41	3 19	5 0	1 58	15 37	0 9	2 54	1 12	18 15	0 55	4 22	0 39	5 18	1 45	26 19	10 17	17 32	17 18	14 56	11 47	0 42
S 12	19 23	20 4	3 29	9 8	3 15	5 26	1 59	15 51	0 9	2 59	1 12	18 15	0 55	4 21	0 39	5 19	1 45	26 19	10 17	17 34	17 19	14 54	11 48	0 42
S 13	19 36	20 35	2 29	9 37	3 10	5 52	1 59	16 4	0 8	3 4	1 12	18 15	0 55	4 21	0 39	5 20	1 45	26 19	10 17	17 36	17 19	14 53	11 50	0 42
M14	19 49	19 49	1 20	10 7	3 5	6 18	1 59	16 17	0 7	3 8	1 12	18 15	0 55	4 20	0 39	5 20	1 45	26 20	10 18	17 36	17 20	14 52	11 51	0 42
T 15	20 2	17 48	0 5	10 38	3 0	6 44	1 59	16 30	0 7	3 13	1 12	18 15	0 55	4 20	0 39	5 21	1 45	26 20	10 18	17 37	17 21	14 50	11 52	0 42
W16	20 15	14 42	1s 9	11 10	2 53	7 10	2 0	16 43	0 6	3 17	1 12	18 15	0 56	4 19	0 39	5 21	1 45	26 20	10 18	17 37	17 22	14 49	11 53	0 42
T 17	20 27	10 45	2 20	11 44	2 46	7 36	1 59	16 56	0 5	3 22	1 13	18 15	0 56	4 19	0 39	5 22	1 45	26 21	10 19	17 37	17 23	14 47	11 54	0 42
F 18	20 38	6 13	3 21	12 18	2 39	8 2	1 59	17 9	0 5	3 26	1 13	18 15	0 56	4 18	0 39	5 23	1 45	26 21	10 19	17 37	17 24	14 46	11 56	0 41
S 19	20 50	1 22	4 10	12 53	2 31	8 28	1 59	17 21	0 4	3 31	1 13	18 15	0 56	4 18	0 39	5 23	1 45	26 21	10 19	17 38	17 25	14 45	11 57	0 41
S 20	21 1	3n30	4 44	13 29	2 23	8 53	1 59	17 34	0 3	3 35	1 13	18 16	0 56	4 17	0 39	5 24	1 45	26 22	10 20	17 40	17 26	14 43	11 58	0 41
M21	21 11	8 8	5 1	14 6	2 14	9 19	1 59	17 46	0 3	3 39	1 13	18 16	0 57	4 17	0 39	5 25	1 45	26 22	10 20	17 42	17 27	14 42	11 59	0 41
T 22	21 22	12 18	5 1	14 43	2 5	9 44	1 58	17 58	0 2	3 43	1 13	18 16	0 57	4 16	0 39	5 25	1 45	26 22	10 20	17 45	17 27	14 41	12 0	0 41
W23	21 32	15 47	4 44	15 20	1 55	10 9	1 58	18 9	0 2	3 48	1 14	18 17	0 57	4 16	0 39	5 26	1 45	26 23	10 21	17 48	17 28	14 39	12 1	0 41
T 24	21 41	18 24	4 12	15 58	1 45	10 34	1 57	18 21	0 1	3 52	1 14	18 17	0 57	4 15	0 39	5 26	1 45	26 23	10 21	17 50	17 29	14 38	12 2	0 41
F 25	21 50	20 3	3 28	16 36	1 35	10 59	1 56	18 33	0 0	3 56	1 14	18 17	0 57	4 15	0 39	5 27	1 45	26 24	10 21	17 53	17 30	14 36	12 3	0 41
S 26	21 59	20 39	2 35	17 14	1 24	11 23	1 55	18 44	0n 0	4 0	1 14	18 18	0 57	4 15	0 39	5 27	1 45	26 24	10 22	17 54	17 31	14 35	12 4	0 41
S 27	22 8	20 16	1 35	17 52	1 13	11 48	1 55	18 55	0 1	4 4	1 14	18 18	0 58	4 14	0 39	5 28	1 46	26 24	10 22	17 56	17 32	14 33	12 5	0 41
M28	22 16	18 56	0 32	18 29	1 2	12 12	1 54	19 6	0 2	4 8	1 14	18 19	0 58	4 14	0 39	5 29	1 46	26 25	10 22	17 56	17 33	14 32	12 6	0 41
T 29	22 24	16 47	0n31	19 6	0 51	12 36	1 53	19 17	0 2	4 12	1 15	18 19	0 58	4 14	0 39	5 29	1 46	26 25	10 22	17 56	17 34	14 31	12 8	0 41
W30	22 31	13 56	1 34	19 43	0 39	12 59	1 52	19 27	0 3	4 16	1 15	18 20	0 58	4 13	0 39	5 30	1 46	26 26	10 23	17 56	17 34	14 29	12 9	0 41
T 31	22n38	10n32	2n32	20n18	0s28	13n23	1s50	19n38	0n 4	4n20	1s15	18s20	0s58	4s13	0n39	5n30	1s46	26s26	10s23	17n56	17n35	14n28	12n10	0n41

Julian Day Number = 2104690.5, Delta T = 20m40s
Ecliptic obliquity = 23°33'38, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°30'09, Lahiri = 10°37'10 Julian Calendar 1 May 1050 == Greg. Calendar 7 May 1050

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1050
geocentric

JUNE 1050 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 59 20	15♊13'53	21♍ 1	4♊31	11♉56	27♉37	14♈ 0	11°R32	12°R 6	18♈ 7	14°R35	9°R39	10♌50	25♌ 1	0♉ 2	F 1
S 2	17 3 16	16°11'04	3♎ 6	6°35	13° 7	28°19	14°10	11♒31	12♎ 5	18° 8	14♒35	9♌37	10°47	25° 8	0° 5	S 2
S 3	17 7 13	17° 8'15	15°26	8°41	14°18	29° 0	14°20	11°29	12° 4	18°10	14°34	9°33	10°44	25°14	0° 8	S 3
M 4	17 11 9	18° 5'25	28° 6	10°48	15°29	29°42	14°30	11°28	12° 4	18°11	14°34	9°28	10°41	25°21	0°11	M 4
T 5	17 15 6	19° 2'35	11♏ 8	12°57	16°40	0♊23	14°40	11°26	12° 3	18°12	14°33	9°21	10°37	25°28	0°13	T 5
W 6	17 19 2	19°59'44	24°34	15° 6	17°51	1° 5	14°50	11°24	12° 3	18°14	14°32	9°13	10°34	25°34	0°16	W 6
T 7	17 22 59	20°56'53	8♐21	17°17	19° 2	1°46	15° 0	11°22	12° 2	18°15	14°32	9° 5	10°31	25°41	0°19	T 7
F 8	17 26 56	21°54'02	22°27	19°27	20°14	2°28	15° 9	11°20	12° 2	18°16	14°31	8°58	10°28	25°48	0°22	F 8
S 9	17 30 52	22°51'11	6♑48	21°38	21°25	3° 9	15°18	11°18	12° 2	18°17	14°30	8°53	10°25	25°54	0°24	S 9
S 10	17 34 49	23°48'20	21°18	23°49	22°36	3°50	15°28	11°16	12° 1	18°19	14°30	8°50	10°22	26° 1	0°27	S 10
M11	17 38 45	24°45'28	5♒50	25°59	23°48	4°32	15°37	11°13	12° 1	18°20	14°29	8°D49	10°18	26° 8	0°29	M11
T 12	17 42 42	25°42'37	20°20	28° 9	24°59	5°13	15°46	11°11	12° 1	18°21	14°28	8°49	10°15	26°14	0°32	T 12
W13	17 46 38	26°39'46	4♓44	0♋18	26°11	5°54	15°55	11° 8	12° 1	18°22	14°27	8°50	10°12	26°21	0°34	W13
T 14	17 50 35	27°36'55	18°58	2°26	27°22	6°35	16° 3	11° 6	12° 1	18°23	14°27	8°51	10° 9	26°28	0°37	T 14
F 15	17 54 31	28°34'04	3♈ 1	4°33	28°34	7°16	16°12	11° 3	12°D 1	18°24	14°26	8°R51	10° 6	26°34	0°39	F 15
S 16	17 58 28	29°31'14	16°52	6°38	29°45	7°57	16°21	11° 0	12° 1	18°25	14°25	8°50	10° 2	26°41	0°42	S 16
S 17	18 2 25	0♋28'24	0♉31	8°42	0♊57	8°38	16°29	10°58	12° 1	18°26	14°24	8°47	9°59	26°47	0°44	S 17
M18	18 6 21	1°25'35	13°56	10°45	2° 9	9°19	16°37	10°55	12° 1	18°27	14°23	8°43	9°56	26°54	0°46	M18
T 19	18 10 18	2°22'46	27° 8	12°45	3°21	10° 0	16°45	10°52	12° 1	18°28	14°22	8°37	9°53	27° 1	0°48	T 19
W20	18 14 14	3°19'57	10♊ 7	14°44	4°32	10°40	16°53	10°49	12° 2	18°29	14°21	8°31	9°50	27° 7	0°51	W20
T 21	18 18 11	4°17'09	22°52	16°41	5°44	11°21	17° 1	10°46	12° 2	18°30	14°20	8°26	9°47	27°14	0°53	T 21
F 22	18 22 7	5°14'21	5♋23	18°36	6°56	12° 2	17° 9	10°43	12° 2	18°30	14°19	8°21	9°43	27°21	0°55	F 22
S 23	18 26 4	6°11'34	17°41	20°30	8° 8	12°42	17°16	10°39	12° 3	18°31	14°18	8°18	9°40	27°27	0°57	S 23
S 24	18 30 0	7° 8'47	29°48	22°21	9°20	13°23	17°24	10°36	12° 3	18°32	14°18	8°16	9°37	27°34	0°59	S 24
M25	18 33 57	8° 5'59	11♌46	24°11	10°32	14° 3	17°31	10°33	12° 4	18°33	14°17	8°D16	9°34	27°41	1° 1	M25
T 26	18 37 54	9° 3'13	23°37	25°59	11°44	14°44	17°38	10°29	12° 4	18°33	14°16	8°17	9°31	27°47	1° 3	T 26
W27	18 41 50	10° 0'26	5♍25	27°45	12°56	15°24	17°45	10°26	12° 5	18°34	14°14	8°18	9°28	27°54	1° 5	W27
T 28	18 45 47	10°57'39	17°13	29°29	14° 9	16° 5	17°52	10°22	12° 6	18°35	14°13	8°20	9°24	28° 1	1° 7	T 28
F 29	18 49 43	11°54'53	29° 7	1♌11	15°21	16°45	17°58	10°19	12° 6	18°35	14°12	8°21	9°21	28° 7	1° 8	F 29
S 30	18 53 40	12♋52'07	11♎12	2♌51	16♊33	17♊25	18♈ 5	10♒15	12♎ 7	18♈36	14♒11	8°R22	9♌18	28♌14	1♉10	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n44	6n42	3n24	20n52	0s17	13n46	1s49	19n48	0n 4	4n24	1s15	18s21	0s58	4s13	0n38	5n31	1s46	26s27	10s23	17n56	17n36	14n26	12n11	0n41
S 2	22 50	2 33	4 8	21 25	0 6	14 8	1 48	19 58	0 5	4 28	1 15	18 21	0 59	4 13	0 38	5 31	1 46	26 27	10 24	17 56	17 37	14 25	12 12	0 41
S 3	22 56	1s47	4 41	21 57	0n 5	14 31	1 47	20 8	0 6	4 31	1 15	18 22	0 59	4 12	0 38	5 32	1 46	26 27	10 24	17 57	17 38	14 23	12 13	0 41
M 4	23 1	6 10	5 1	22 27	0 16	14 53	1 45	20 17	0 6	4 35	1 16	18 22	0 59	4 12	0 38	5 32	1 46	26 28	10 24	17 58	17 39	14 22	12 14	0 41
T 5	23 6	10 23	5 7	22 54	0 26	15 15	1 44	20 27	0 7	4 39	1 16	18 23	0 59	4 12	0 38	5 32	1 46	26 28	10 24	18 0	17 40	14 20	12 14	0 41
W 6	23 11	14 13	4 57	23 20	0 37	15 36	1 42	20 36	0 8	4 42	1 16	18 24	0 59	4 12	0 38	5 33	1 46	26 29	10 25	18 2	17 41	14 19	12 15	0 41
T 7	23 15	17 23	4 29	23 43	0 46	15 57	1 40	20 45	0 8	4 46	1 16	18 24	0 59	4 12	0 38	5 33	1 46	26 29	10 25	18 5	17 41	14 18	12 16	0 41
F 8	23 19	19 37	3 44	24 3	0 55	16 18	1 39	20 54	0 9	4 49	1 16	18 25	1 0	4 12	0 38	5 34	1 46	26 30	10 25	18 6	17 42	14 16	12 17	0 41
S 9	23 22	20 39	2 44	24 21	1 4	16 39	1 37	21 3	0 9	4 53	1 17	18 26	1 0	4 12	0 38	5 34	1 46	26 30	10 26	18 8	17 43	14 15	12 18	0 40
S 10	23 25	20 20	1 33	24 37	1 12	16 59	1 35	21 11	0 10	4 56	1 17	18 27	1 0	4 11	0 38	5 35	1 46	26 31	10 26	18 9	17 44	14 13	12 19	0 40
M11	23 27	18 39	0 16	24 49	1 19	17 18	1 33	21 20	0 11	5 0	1 17	18 28	1 0	4 11	0 38	5 35	1 46	26 31	10 26	18 9	17 45	14 12	12 20	0 40
T 12	23 29	15 46	1s 2	24 58	1 26	17 38	1 32	21 28	0 11	5 3	1 17	18 28	1 0	4 11	0 38	5 35	1 46	26 32	10 26	18 9	17 46	14 10	12 21	0 40
W13	23 31	11 56	2 16	25 5	1 31	17 57	1 30	21 36	0 12	5 6	1 17	18 29	1 0	4 11	0 38	5 36	1 46	26 32	10 27	18 8	17 47	14 9	12 22	0 40
T 14	23 32	7 28	3 21	25 9	1 37	18 15	1 28	21 44	0 13	5 9	1 18	18 30	1 1	4 11	0 38	5 36	1 47	26 33	10 27	18 8	17 47	14 7	12 22	0 40
F 15	23 33	2 39	4 12	25 10	1 41	18 33	1 26	21 51	0 13	5 12	1 18	18 31	1 1	4 11	0 38	5 36	1 47	26 33	10 27	18 8	17 48	14 6	12 23	0 40
S 16	23 34	2n13	4 48	25 8	1 45	18 51	1 23	21 59	0 14	5 15	1 18	18 32	1 1	4 12	0 38	5 37	1 47	26 34	10 27	18 8	17 49	14 4	12 24	0 40
S 17	23 34	6 54	5 8	25 4	1 48	19 8	1 21	22 6	0 15	5 18	1 18	18 33	1 1	4 12	0 38	5 37	1 47	26 34	10 28	18 9	17 50	14 3	12 25	0 40
M18	23 33	11 10	5 10	24 57	1 50	19 24	1 19	22 13	0 15	5 21	1 18	18 34	1 1	4 12	0 38	5 37	1 47	26 35	10 28	18 10	17 51	14 1	12 26	0 40
T 19	23 32	14 50	4 55	24 48	1 52	19 40	1 17	22 19	0 16	5 24	1 19	18 35	1 1	4 12	0 38	5 38	1 47	26 35	10 28	18 12	17 52	14 0	12 26	0 40
W20	23 31	17 42	4 25	24 36	1 52	19 56	1 15	22 26	0 17	5 27	1 19	18 36	1 1	4 12	0 38	5 38	1 47	26 36	10 28	18 13	17 53	13 58	12 27	0 40
T 21	23 29	19 40	3 43	24 23	1 53	20 11	1 12	22 32	0 17	5 30	1 19	18 37	1 2	4 12	0 38	5 38	1 47	26 36	10 29	18 15	17 53	13 57	12 28	0 40
F 22	23 27	20 37	2 50	24 7	1 52	20 26	1 10	22 39	0 18	5 33	1 19	18 38	1 2	4 12	0 38	5 38	1 47	26 37	10 29	18 16	17 54	13 55	12 28	0 40
S 23	23 25	20 34	1 50	23 49	1 51	20 40	1 8	22 45	0 19	5 35	1 20	18 39	1 2	4 12	0 38	5 39	1 47	26 37	10 29	18 17	17 55	13 54	12 29	0 40
S 24	23 22	19 32	0 46	23 29	1 49	20 53	1 5	22 50	0 19	5 38	1 20	18 40	1 2	4 13	0 38	5 39	1 47	26 38	10 29	18 17	17 56	13 52	12 30	0 40
M25	23 19	17 39	0n19	23 8	1 47	21 6	1 3	22 56	0 20	5 41	1 20	18 41	1 2	4 13	0 38	5 39	1 47	26 38	10 29	18 17	17 57	13 51	12 30	0 40
T 26	23 15	15 2	1 23	22 46	1 44	21 19	1 0	23 1	0 20	5 43	1 20	18 42	1 2	4 13	0 37	5 39	1 47	26 39	10 30	18 17	17 58	13 49	12 31	0 40
W27	23 11	11 48	2 24	22 21	1 40	21 31	0 58	23 6	0 21	5 46	1 21	18 43	1 2	4 14	0 37	5 40	1 47	26 39	10 30	18 17	17 59	13 48	12 32	0 40
T 28	23 6	8 7	3 18	21 56	1 36	21 42	0 55	23 11	0 22	5 48	1 21	18 44	1 3	4 14	0 37	5 40	1 47	26 40	10 30	18 16	17 59	13 46	12 32	0 40
F 29	23 1	4 5	4 4	21 29	1 32	21 53	0 53	23 16	0 22	5 50	1 21	18 45	1 3	4 14	0 37	5 40	1 47	26 40	10 30	18 16	18 0	13 45	12 33	0 40
S 30	22n56	0s 9	4n41	21n 2	1n27	22n 3	0s50	23n21	0n23	5n52	1s21	18s46	1s 3	4s14	0n37	5n40	1s47	26s41	10s30	18n16	18n 1	13n43	12n33	0n40

Julian Day Number = 2104721.5, Delta T = 20m40s
Ecliptic obliquity = 23°33'38, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°30'14, Lahiri = 10°37'14 Julian Calendar 1 June 1050 == Greg. Calendar 7 June 1050

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1050
geocentric

JULY 1050 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 57 36	13♋49'21	23♎31	4♌29	17♊45	18♊ 5	18♈11	10°R11	12♎ 8	18♈36	14°R10	8°R22	9♌15	28♌21	1♉12	S 1
M 2	19 1 33	14°46'36	6♏11	6° 6	18°58	18°46	18°17	10♒ 7	12° 9	18°37	14♒ 9	8♌20	9°12	28°27	1°13	M 2
T 3	19 5 29	15°43'51	19°13	7°41	20°10	19°26	18°23	10° 3	12°10	18°37	14° 8	8°18	9° 8	28°34	1°15	T 3
W 4	19 9 26	16°41'07	2♐40	9°13	21°22	20° 6	18°29	10° 0	12°11	18°38	14° 7	8°15	9° 5	28°41	1°16	W 4
T 5	19 13 23	17°38'23	16°34	10°44	22°35	20°46	18°35	9°56	12°12	18°38	14° 6	8°12	9° 2	28°47	1°18	T 5
F 6	19 17 19	18°35'39	0♑51	12°13	23°47	21°26	18°40	9°52	12°13	18°39	14° 5	8°10	8°59	28°54	1°19	F 6
S 7	19 21 16	19°32'56	15°28	13°41	25° 0	22° 6	18°45	9°48	12°14	18°39	14° 3	8° 8	8°56	29° 1	1°21	S 7
S 8	19 25 12	20°30'14	0♒18	15° 6	26°12	22°45	18°51	9°43	12°15	18°39	14° 2	8° 7	8°53	29° 7	1°22	S 8
M 9	19 29 9	21°27'33	15°13	16°29	27°25	23°25	18°56	9°39	12°16	18°40	14° 1	8°D 7	8°49	29°14	1°23	M 9
T 10	19 33 5	22°24'53	0♓ 7	17°50	28°38	24° 5	19° 0	9°35	12°18	18°40	14° 0	8° 8	8°46	29°21	1°24	T 10
W11	19 37 2	23°22'14	14°51	19° 9	29°50	24°45	19° 5	9°31	12°19	18°40	13°59	8° 9	8°43	29°27	1°26	W11
T 12	19 40 58	24°19'35	29°20	20°26	1♋ 3	25°24	19° 9	9°27	12°20	18°40	13°57	8°10	8°40	29°34	1°27	T 12
F 13	19 44 55	25°16'58	13♈32	21°41	2°16	26° 4	19°14	9°22	12°22	18°40	13°56	8°10	8°37	29°40	1°28	F 13
S 14	19 48 52	26°14'23	27°24	22°54	3°29	26°44	19°18	9°18	12°23	18°41	13°55	8°R11	8°34	29°47	1°29	S 14
S 15	19 52 48	27°11'48	10♉55	24° 5	4°41	27°23	19°22	9°14	12°25	18°41	13°54	8°10	8°30	29°54	1°30	S 15
M16	19 56 45	28° 9'15	24° 8	25°13	5°54	28° 3	19°26	9° 9	12°27	18°41	13°53	8°10	8°27	0♍ 0	1°31	M16
T 17	20 0 41	29° 6'43	7♊ 3	26°19	7° 7	28°42	19°29	9° 5	12°28	18°R41	13°51	8° 8	8°24	0° 7	1°31	T 17
W18	20 4 38	0♌ 4'13	19°43	27°22	8°20	29°21	19°33	9° 1	12°30	18°41	13°50	8° 7	8°21	0°14	1°32	W18
T 19	20 8 34	1° 1'44	2♋10	28°23	9°33	0♋ 1	19°36	8°56	12°32	18°41	13°49	8° 6	8°18	0°20	1°33	T 19
F 20	20 12 31	1°59'16	14°25	29°20	10°46	0°40	19°39	8°52	12°33	18°41	13°47	8° 6	8°14	0°27	1°34	F 20
S 21	20 16 27	2°56'49	26°30	0♍15	12° 0	1°19	19°42	8°47	12°35	18°40	13°46	8° 5	8°11	0°34	1°34	S 21
S 22	20 20 24	3°54'24	8♌27	1° 7	13°13	1°58	19°44	8°43	12°37	18°40	13°45	8°D 5	8° 8	0°40	1°35	S 22
M23	20 24 21	4°52'00	20°19	1°56	14°26	2°37	19°47	8°38	12°39	18°40	13°44	8° 5	8° 5	0°47	1°35	M23
T 24	20 28 17	5°49'36	2♍ 7	2°42	15°39	3°17	19°49	8°34	12°41	18°40	13°42	8° 5	8° 2	0°54	1°36	T 24
W25	20 32 14	6°47'14	13°55	3°23	16°53	3°56	19°51	8°29	12°43	18°40	13°41	8° 6	7°59	1° 0	1°36	W25
T 26	20 36 10	7°44'53	25°44	4° 2	18° 6	4°35	19°53	8°25	12°45	18°39	13°40	8°R 6	7°55	1° 7	1°36	T 26
F 27	20 40 7	8°42'34	7♎39	4°36	19°19	5°13	19°55	8°20	12°47	18°39	13°38	8° 6	7°52	1°14	1°37	F 27
S 28	20 44 3	9°40'15	19°44	5° 6	20°33	5°52	19°56	8°16	12°49	18°39	13°37	8° 6	7°49	1°20	1°37	S 28
S 29	20 48 0	10°37'57	2♏ 2	5°32	21°46	6°31	19°57	8°11	12°51	18°38	13°36	8° 6	7°46	1°27	1°37	S 29
M30	20 51 56	11°35'41	14°38	5°53	23° 0	7°10	19°58	8° 7	12°54	18°38	13°35	8°D 6	7°43	1°34	1°37	M30
T 31	20 55 53	12♌33'26	27♏35	6♍ 9	24♋13	7♋49	19♈59	8♒ 2	12♎56	18♈37	13♒33	8♌ 6	7♌40	1♍40	1°R37	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n50	4s28	5n 5	20n33	1n21	22n12	0s47	23n25	0n24	5n55	1s21	18s48	1s 3	4s15	0n37	5n40	1s48	26s41	10s31	18n16	18n 2	13n41	12n34	0n40
M 2	22 44	8 41	5 15	20 4	1 15	22 21	0 45	23 29	0 24	5 57	1 22	18 49	1 3	4 15	0 37	5 40	1 48	26 42	10 31	18 16	18 3	13 40	12 35	0 40
T 3	22 38	12 39	5 9	19 33	1 9	22 30	0 42	23 33	0 25	5 59	1 22	18 50	1 3	4 16	0 37	5 40	1 48	26 42	10 31	18 17	18 4	13 38	12 35	0 40
W 4	22 31	16 6	4 47	19 2	1 2	22 37	0 40	23 37	0 26	6 1	1 22	18 51	1 3	4 16	0 37	5 41	1 48	26 43	10 31	18 18	18 4	13 37	12 36	0 40
T 5	22 23	18 46	4 8	18 31	0 55	22 44	0 37	23 40	0 26	6 3	1 22	18 52	1 4	4 16	0 37	5 41	1 48	26 43	10 31	18 18	18 5	13 35	12 36	0 39
F 6	22 16	20 22	3 12	17 58	0 47	22 51	0 34	23 44	0 27	6 5	1 23	18 53	1 4	4 17	0 37	5 41	1 48	26 44	10 32	18 19	18 6	13 34	12 37	0 39
S 7	22 8	20 38	2 2	17 26	0 39	22 56	0 32	23 47	0 28	6 6	1 23	18 55	1 4	4 17	0 37	5 41	1 48	26 44	10 32	18 20	18 7	13 32	12 37	0 39
S 8	21 59	19 29	0 43	16 53	0 31	23 1	0 29	23 50	0 28	6 8	1 23	18 56	1 4	4 18	0 37	5 41	1 48	26 45	10 32	18 20	18 8	13 31	12 37	0 39
M 9	21 50	16 59	0s39	16 20	0 22	23 6	0 26	23 53	0 29	6 10	1 23	18 57	1 4	4 18	0 37	5 41	1 48	26 45	10 32	18 20	18 9	13 29	12 38	0 39
T 10	21 41	13 20	1 59	15 47	0 13	23 10	0 24	23 55	0 29	6 11	1 24	18 58	1 4	4 19	0 37	5 41	1 48	26 46	10 32	18 20	18 10	13 27	12 38	0 39
W11	21 32	8 55	3 10	15 13	0 4	23 13	0 21	23 57	0 30	6 13	1 24	19 0	1 4	4 20	0 37	5 41	1 48	26 46	10 32	18 19	18 10	13 26	12 39	0 39
T 12	21 22	4 2	4 7	14 40	0s 5	23 15	0 18	24 0	0 31	6 14	1 24	19 1	1 4	4 20	0 37	5 41	1 48	26 47	10 33	18 19	18 11	13 24	12 39	0 39
F 13	21 11	0n56	4 48	14 7	0 15	23 17	0 15	24 1	0 31	6 16	1 24	19 2	1 5	4 21	0 37	5 41	1 48	26 47	10 33	18 19	18 12	13 23	12 39	0 39
S 14	21 1	5 45	5 11	13 33	0 25	23 18	0 13	24 3	0 32	6 17	1 25	19 3	1 5	4 21	0 37	5 41	1 48	26 48	10 33	18 19	18 13	13 21	12 40	0 39
S 15	20 50	10 10	5 17	13 0	0 35	23 19	0 10	24 5	0 33	6 18	1 25	19 5	1 5	4 22	0 37	5 41	1 48	26 48	10 33	18 19	18 14	13 19	12 40	0 39
M16	20 38	13 58	5 5	12 28	0 46	23 18	0 7	24 6	0 33	6 20	1 25	19 6	1 5	4 23	0 37	5 41	1 49	26 49	10 33	18 19	18 15	13 18	12 40	0 39
T 17	20 26	17 2	4 38	11 55	0 56	23 17	0 5	24 7	0 34	6 21	1 25	19 7	1 5	4 23	0 37	5 41	1 49	26 49	10 33	18 19	18 15	13 16	12 40	0 39
W18	20 14	19 13	3 57	11 24	1 7	23 16	0 2	24 8	0 35	6 22	1 26	19 8	1 5	4 24	0 37	5 41	1 49	26 50	10 33	18 20	18 16	13 15	12 41	0 39
T 19	20 2	20 26	3 7	10 53	1 18	23 13	0n 1	24 9	0 35	6 23	1 26	19 10	1 5	4 25	0 37	5 41	1 49	26 50	10 34	18 20	18 17	13 13	12 41	0 39
F 20	19 49	20 40	2 8	10 22	1 29	23 10	0 3	24 9	0 36	6 24	1 26	19 11	1 5	4 25	0 37	5 41	1 49	26 51	10 34	18 20	18 18	13 11	12 41	0 39
S 21	19 36	19 55	1 4	9 52	1 41	23 7	0 6	24 10	0 37	6 24	1 26	19 12	1 5	4 26	0 37	5 41	1 49	26 51	10 34	18 20	18 19	13 10	12 41	0 39
S 22	19 22	18 16	0n 2	9 23	1 52	23 2	0 8	24 10	0 37	6 25	1 27	19 14	1 5	4 27	0 36	5 40	1 49	26 52	10 34	18 20	18 19	13 8	12 41	0 39
M23	19 9	15 51	1 7	8 55	2 3	22 57	0 11	24 10	0 38	6 26	1 27	19 15	1 6	4 28	0 36	5 40	1 49	26 52	10 34	18 20	18 20	13 7	12 42	0 39
T 24	18 55	12 47	2 10	8 28	2 15	22 52	0 14	24 10	0 38	6 27	1 27	19 16	1 6	4 29	0 36	5 40	1 49	26 53	10 34	18 20	18 21	13 5	12 42	0 39
W25	18 40	9 13	3 6	8 3	2 26	22 45	0 16	24 9	0 39	6 27	1 28	19 17	1 6	4 29	0 36	5 40	1 49	26 53	10 34	18 20	18 22	13 3	12 42	0 39
T 26	18 26	5 18	3 55	7 39	2 37	22 38	0 19	24 9	0 40	6 28	1 28	19 19	1 6	4 30	0 36	5 40	1 49	26 54	10 34	18 20	18 23	13 2	12 42	0 39
F 27	18 10	1 9	4 34	7 16	2 48	22 31	0 21	24 8	0 40	6 28	1 28	19 20	1 6	4 31	0 36	5 40	1 49	26 54	10 34	18 20	18 24	13 0	12 42	0 39
S 28	17 55	3s 6	5 2	6 54	2 59	22 22	0 24	24 7	0 41	6 28	1 28	19 21	1 6	4 32	0 36	5 40	1 49	26 55	10 34	18 20	18 24	12 58	12 42	0 39
S 29	17 40	7 18	5 16	6 35	3 10	22 13	0 26	24 6	0 42	6 28	1 29	19 22	1 6	4 33	0 36	5 39	1 49	26 55	10 34	18 20	18 25	12 57	12 42	0 39
M30	17 24	11 17	5 16	6 17	3 21	22 3	0 28	24 4	0 42	6 29	1 29	19 24	1 6	4 34	0 36	5 39	1 49	26 56	10 35	18 20	18 26	12 55	12 42	0 39
T 31	17n 7	14s51	5n 0	6n 2	3s31	21n53	0n31	24n 3	0n43	6n29	1s29	19s25	1s 6	4s35	0n36	5n39	1s49	26s56	10s35	18n20	18n27	12n54	12n42	0n39

Julian Day Number = 2104751.5, Delta T = 20m40s
Ecliptic obliquity = 23°33'38, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°30'18, Lahiri = 10°37'18 Julian Calendar 1 July 1050 == Greg. Calendar 7 July 1050

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1050
geocentric

AUGUST 1050 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 59 50	13♌31'12	10♐57	6♍20	25♋27	8♋27	20♈ 0	7°R58	12♎58	18°R37	13°R32	8♌ 6	7♌36	1♍47	1°R37	W 1
T 2	21 3 46	14°28'59	24°46	6°26	26°40	9° 6	20° 0	7♒53	13° 1	18♈37	13♒31	8° 7	7°33	1°54	1♉37	T 2
F 3	21 7 43	15°26'48	9♑ 1	6°R27	27°54	9°44	20° 1	7°49	13° 3	18°36	13°29	8° 7	7°30	2° 0	1°37	F 3
S 4	21 11 39	16°24'37	23°40	6°21	29° 8	10°23	20°R 1	7°44	13° 5	18°35	13°28	8° 8	7°27	2° 7	1°37	S 4
S 5	21 15 36	17°22'29	8♒38	6°10	0♌21	11° 1	20° 1	7°40	13° 8	18°35	13°27	8°R 8	7°24	2°14	1°36	S 5
M 6	21 19 32	18°20'21	23°47	5°53	1°35	11°40	20° 0	7°36	13°10	18°34	13°25	8° 8	7°20	2°20	1°36	M 6
T 7	21 23 29	19°18'15	8♓58	5°30	2°49	12°18	20° 0	7°31	13°13	18°34	13°24	8° 7	7°17	2°27	1°36	T 7
W 8	21 27 25	20°16'11	24° 2	5° 1	4° 3	12°56	19°59	7°27	13°16	18°33	13°23	8° 6	7°14	2°34	1°35	W 8
T 9	21 31 22	21°14'09	8♈50	4°26	5°17	13°35	19°58	7°23	13°18	18°32	13°21	8° 4	7°11	2°40	1°35	T 9
F 10	21 35 19	22°12'09	23°15	3°46	6°30	14°13	19°57	7°18	13°21	18°31	13°20	8° 3	7° 8	2°47	1°34	F 10
S 11	21 39 15	23°10'10	7♉15	3° 1	7°44	14°51	19°56	7°14	13°24	18°31	13°19	8° 1	7° 5	2°54	1°34	S 11
S 12	21 43 12	24° 8'14	20°50	2°11	8°58	15°29	19°54	7°10	13°26	18°30	13°18	8°D 1	7° 1	3° 0	1°33	S 12
M13	21 47 8	25° 6'19	3♊59	1°18	10°12	16° 7	19°53	7° 6	13°29	18°29	13°16	8° 1	6°58	3° 7	1°32	M13
T 14	21 51 5	26° 4'27	16°47	0°22	11°27	16°45	19°51	7° 1	13°32	18°28	13°15	8° 2	6°55	3°14	1°32	T 14
W15	21 55 1	27° 2'37	29°16	29♌24	12°41	17°23	19°49	6°57	13°35	18°27	13°14	8° 3	6°52	3°20	1°31	W15
T 16	21 58 58	28° 0'49	11♋30	28°26	13°55	18° 1	19°47	6°53	13°38	18°26	13°12	8° 5	6°49	3°27	1°30	T 16
F 17	22 2 54	28°59'02	23°33	27°28	15° 9	18°39	19°44	6°49	13°40	18°25	13°11	8° 6	6°45	3°34	1°29	F 17
S 18	22 6 51	29°57'18	5♌28	26°32	16°23	19°17	19°41	6°45	13°43	18°25	13°10	8°R 7	6°42	3°40	1°28	S 18
S 19	22 10 48	0♍55'35	17°18	25°40	17°37	19°55	19°38	6°41	13°46	18°24	13° 9	8° 6	6°39	3°47	1°27	S 19
M20	22 14 44	1°53'55	29° 7	24°52	18°52	20°32	19°35	6°37	13°49	18°22	13° 7	8° 5	6°36	3°53	1°26	M20
T 21	22 18 41	2°52'16	10♍55	24°10	20° 6	21°10	19°32	6°34	13°52	18°21	13° 6	8° 2	6°33	4° 0	1°25	T 21
W22	22 22 37	3°50'39	22°45	23°35	21°20	21°48	19°29	6°30	13°56	18°20	13° 5	7°58	6°30	4° 7	1°24	W22
T 23	22 26 34	4°49'04	4♎39	23° 8	22°35	22°25	19°25	6°26	13°59	18°19	13° 4	7°54	6°26	4°13	1°22	T 23
F 24	22 30 30	5°47'30	16°39	22°49	23°49	23° 3	19°21	6°23	14° 2	18°18	13° 3	7°49	6°23	4°20	1°21	F 24
S 25	22 34 27	6°45'59	28°48	22°38	25° 4	23°40	19°17	6°19	14° 5	18°17	13° 1	7°45	6°20	4°27	1°20	S 25
S 26	22 38 23	7°44'29	11♏ 8	22°D37	26°18	24°17	19°13	6°15	14° 8	18°16	13° 0	7°41	6°17	4°33	1°18	S 26
M27	22 42 20	8°43'01	23°43	22°46	27°33	24°55	19° 9	6°12	14°11	18°15	12°59	7°39	6°14	4°40	1°17	M27
T 28	22 46 16	9°41'34	6♐37	23° 4	28°47	25°32	19° 4	6° 9	14°15	18°13	12°58	7°D38	6°11	4°47	1°15	T 28
W29	22 50 13	10°40'10	19°51	23°31	0♍ 2	26° 9	18°59	6° 5	14°18	18°12	12°57	7°38	6° 7	4°53	1°14	W29
T 30	22 54 10	11°38'47	3♑29	24° 7	1°16	26°46	18°54	6° 2	14°21	18°11	12°56	7°39	6° 4	5° 0	1°12	T 30
F 31	22 58 6	12♍37'25	17♑33	24♌52	2♍31	27♋23	18♈49	5♒59	14♎24	18♈10	12♒55	7♌41	6♌ 1	5♍ 7	1♉11	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n51	17s47	4n27	5n49	3s41	21n42	0n33	24n 1	0n44	6n29	1s29	19s26	1s 6	4s36	0n36	5n39	1s50	26s57	10s35	18n20	18n28	12n52	12n42	0n39
T 2	16 34	19 49	3 38	5 38	3 50	21 30	0 35	23 59	0 44	6 29	1 30	19 27	1 6	4 37	0 36	5 38	1 50	26 57	10 35	18 20	18 29	12 50	12 42	0 38
F 3	16 17	20 41	2 35	5 30	3 58	21 18	0 38	23 57	0 45	6 29	1 30	19 29	1 6	4 37	0 36	5 38	1 50	26 58	10 35	18 20	18 29	12 49	12 42	0 38
S 4	16 0	20 10	1 19	5 25	4 6	21 5	0 40	23 54	0 45	6 28	1 30	19 30	1 7	4 38	0 36	5 38	1 50	26 58	10 35	18 20	18 30	12 47	12 42	0 38
S 5	15 42	18 14	0s 3	5 22	4 13	20 52	0 42	23 52	0 46	6 28	1 30	19 31	1 7	4 39	0 36	5 38	1 50	26 58	10 35	18 20	18 31	12 45	12 41	0 38
M 6	15 25	15 0	1 26	5 23	4 19	20 38	0 44	23 49	0 47	6 28	1 31	19 32	1 7	4 40	0 36	5 37	1 50	26 59	10 35	18 20	18 32	12 44	12 41	0 38
T 7	15 6	10 46	2 43	5 27	4 24	20 23	0 46	23 47	0 47	6 27	1 31	19 33	1 7	4 42	0 36	5 37	1 50	26 59	10 35	18 20	18 33	12 42	12 41	0 38
W 8	14 48	5 52	3 48	5 34	4 27	20 8	0 48	23 43	0 48	6 27	1 31	19 35	1 7	4 43	0 36	5 37	1 50	27 0	10 35	18 20	18 33	12 40	12 41	0 38
T 9	14 30	0 43	4 37	5 45	4 30	19 52	0 50	23 40	0 49	6 26	1 31	19 36	1 7	4 44	0 36	5 36	1 50	27 0	10 35	18 21	18 34	12 39	12 41	0 38
F 10	14 11	4n20	5 6	5 59	4 30	19 35	0 52	23 37	0 49	6 26	1 32	19 37	1 7	4 45	0 36	5 36	1 50	27 1	10 35	18 21	18 35	12 37	12 41	0 38
S 11	13 52	9 1	5 17	6 16	4 29	19 18	0 54	23 33	0 50	6 25	1 32	19 38	1 7	4 46	0 36	5 36	1 50	27 1	10 35	18 21	18 36	12 35	12 40	0 38
S 12	13 33	13 5	5 9	6 37	4 26	19 1	0 56	23 30	0 51	6 24	1 32	19 39	1 7	4 47	0 36	5 35	1 50	27 1	10 35	18 21	18 37	12 34	12 40	0 38
M13	13 13	16 23	4 45	7 0	4 21	18 42	0 58	23 26	0 51	6 23	1 32	19 40	1 7	4 48	0 36	5 35	1 50	27 2	10 35	18 21	18 37	12 32	12 40	0 38
T 14	12 53	18 48	4 7	7 26	4 14	18 24	1 0	23 22	0 52	6 22	1 33	19 41	1 7	4 49	0 36	5 35	1 50	27 2	10 35	18 21	18 38	12 30	12 39	0 38
W15	12 34	20 15	3 19	7 55	4 5	18 4	1 2	23 18	0 53	6 21	1 33	19 43	1 7	4 50	0 36	5 34	1 50	27 2	10 35	18 21	18 39	12 28	12 39	0 38
T 16	12 13	20 42	2 22	8 25	3 55	17 45	1 3	23 13	0 53	6 20	1 33	19 44	1 7	4 51	0 36	5 34	1 50	27 3	10 35	18 20	18 40	12 27	12 39	0 38
F 17	11 53	20 11	1 20	8 56	3 42	17 24	1 5	23 9	0 54	6 19	1 33	19 45	1 7	4 53	0 36	5 33	1 50	27 3	10 35	18 20	18 41	12 25	12 38	0 38
S 18	11 33	18 46	0 15	9 29	3 28	17 4	1 6	23 4	0 54	6 18	1 34	19 46	1 7	4 54	0 36	5 33	1 50	27 4	10 35	18 20	18 41	12 23	12 38	0 38
S 19	11 12	16 32	0n51	10 1	3 12	16 42	1 8	22 59	0 55	6 17	1 34	19 47	1 7	4 55	0 36	5 33	1 51	27 4	10 35	18 20	18 42	12 22	12 38	0 38
M20	10 51	13 36	1 53	10 33	2 55	16 21	1 9	22 54	0 56	6 15	1 34	19 48	1 7	4 56	0 36	5 32	1 51	27 4	10 35	18 20	18 43	12 20	12 37	0 38
T 21	10 30	10 9	2 51	11 4	2 37	15 59	1 11	22 49	0 56	6 14	1 34	19 49	1 7	4 57	0 36	5 32	1 51	27 5	10 35	18 21	18 44	12 18	12 37	0 38
W22	10 9	6 17	3 41	11 33	2 18	15 36	1 12	22 44	0 57	6 12	1 34	19 50	1 7	4 59	0 36	5 31	1 51	27 5	10 35	18 22	18 45	12 16	12 36	0 38
T 23	9 48	2 9	4 22	12 0	1 59	15 13	1 13	22 38	0 58	6 11	1 35	19 51	1 7	5 0	0 35	5 31	1 51	27 5	10 35	18 23	18 45	12 15	12 36	0 38
F 24	9 26	2s 5	4 52	12 25	1 40	14 49	1 15	22 32	0 58	6 9	1 35	19 52	1 7	5 1	0 35	5 30	1 51	27 6	10 35	18 24	18 46	12 13	12 35	0 38
S 25	9 4	6 17	5 9	12 46	1 20	14 25	1 16	22 27	0 59	6 7	1 35	19 53	1 7	5 2	0 35	5 30	1 51	27 6	10 35	18 26	18 47	12 11	12 35	0 38
S 26	8 43	10 18	5 12	13 5	1 1	14 1	1 17	22 21	1 0	6 5	1 35	19 53	1 7	5 3	0 35	5 29	1 51	27 6	10 34	18 27	18 48	12 10	12 34	0 37
M27	8 21	13 56	5 1	13 19	0 43	13 36	1 18	22 15	1 0	6 4	1 35	19 54	1 7	5 5	0 35	5 29	1 51	27 6	10 34	18 27	18 49	12 8	12 34	0 37
T 28	7 58	17 1	4 34	13 30	0 25	13 11	1 19	22 8	1 1	6 2	1 36	19 55	1 7	5 6	0 35	5 28	1 51	27 7	10 34	18 27	18 49	12 6	12 33	0 37
W29	7 36	19 19	3 52	13 38	0 8	12 46	1 20	22 2	1 2	6 0	1 36	19 56	1 7	5 7	0 35	5 28	1 51	27 7	10 34	18 27	18 50	12 4	12 33	0 37
T 30	7 14	20 35	2 56	13 41	0n 8	12 20	1 21	21 56	1 2	5 58	1 36	19 57	1 7	5 9	0 35	5 27	1 51	27 7	10 34	18 27	18 51	12 3	12 32	0 37
F 31	6n51	20s37	1n48	13n40	0n23	11n54	1n21	21n49	1n 3	5n56	1s36	19s58	1s 7	5s10	0n35	5n27	1s51	27s 7	10s34	18n27	18n52	12n 1	12n31	0n37

Julian Day Number = 2104782.5, Delta T = 20m39s
Ecliptic obliquity = 23°33'39, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°30'22, Lahiri = 10°37'22 Julian Calendar 1 Aug. 1050 == Greg. Calendar 7 Aug. 1050

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1050
geocentric

SEPTEMBER 1050 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 2 3	13♍36'06	2♒ 1	25♌45	3♍45	28♋ 1	18°R44	5°R56	14♎28	18°R 8	12°R54	7°R42	5♌58	5♍13	1°R 9	S 1
S 2	23 5 59	14°34'48	16°52	26°45	5° 0	28°37	18♈39	5♒53	14°31	18♈ 7	12♒52	7♌41	5°55	5°20	1♉ 7	S 2
M 3	23 9 56	15°33'32	1♓59	27°53	6°15	29°14	18°33	5°50	14°35	18° 6	12°51	7°39	5°51	5°27	1° 5	M 3
T 4	23 13 52	16°32'18	17°13	29° 7	7°29	29°51	18°28	5°47	14°38	18° 4	12°50	7°36	5°48	5°33	1° 4	T 4
W 5	23 17 49	17°31'06	2♈25	0♍26	8°44	0♌28	18°22	5°44	14°41	18° 3	12°49	7°31	5°45	5°40	1° 2	W 5
T 6	23 21 45	18°29'56	17°25	1°51	9°59	1° 5	18°16	5°42	14°45	18° 2	12°48	7°24	5°42	5°47	1° 0	T 6
F 7	23 25 42	19°28'48	2♉ 3	3°20	11°14	1°42	18°10	5°39	14°48	18° 0	12°47	7°18	5°39	5°53	0°58	F 7
S 8	23 29 39	20°27'42	16°14	4°53	12°28	2°18	18° 3	5°36	14°52	17°59	12°46	7°13	5°36	6° 0	0°56	S 8
S 9	23 33 35	21°26'39	29°56	6°30	13°43	2°55	17°57	5°34	14°55	17°57	12°45	7° 9	5°32	6° 7	0°54	S 9
M10	23 37 32	22°25'39	13♊ 9	8° 8	14°58	3°31	17°50	5°32	14°59	17°56	12°44	7° 7	5°29	6°13	0°52	M10
T 11	23 41 28	23°24'40	25°57	9°50	16°13	4° 8	17°44	5°29	15° 2	17°54	12°43	7°D 6	5°26	6°20	0°49	T 11
W12	23 45 25	24°23'44	8♋23	11°32	17°28	4°44	17°37	5°27	15° 6	17°53	12°42	7° 7	5°23	6°27	0°47	W12
T 13	23 49 21	25°22'51	20°32	13°17	18°43	5°21	17°30	5°25	15°10	17°51	12°42	7° 8	5°20	6°33	0°45	T 13
F 14	23 53 18	26°21'59	2♌29	15° 2	19°58	5°57	17°23	5°23	15°13	17°50	12°41	7°R 9	5°17	6°40	0°43	F 14
S 15	23 57 14	27°21'10	14°19	16°48	21°13	6°33	17°16	5°21	15°17	17°48	12°40	7° 9	5°13	6°47	0°40	S 15
S 16	0 1 11	28°20'24	26° 6	18°34	22°28	7° 9	17° 8	5°19	15°21	17°47	12°39	7° 7	5°10	6°53	0°38	S 16
M17	0 5 8	29°19'39	7♍54	20°21	23°43	7°45	17° 1	5°17	15°24	17°45	12°38	7° 3	5° 7	7° 0	0°36	M17
T 18	0 9 4	0♎18'57	19°45	22° 7	24°58	8°22	16°54	5°16	15°28	17°43	12°37	6°56	5° 4	7° 7	0°33	T 18
W19	0 13 1	1°18'16	1♎41	23°54	26°13	8°58	16°46	5°14	15°32	17°42	12°37	6°47	5° 1	7°13	0°31	W19
T 20	0 16 57	2°17'38	13°43	25°40	27°28	9°33	16°39	5°13	15°35	17°40	12°36	6°37	4°57	7°20	0°28	T 20
F 21	0 20 54	3°17'02	25°54	27°26	28°43	10° 9	16°31	5°11	15°39	17°39	12°35	6°26	4°54	7°27	0°26	F 21
S 22	0 24 50	4°16'28	8♏14	29°12	29°58	10°45	16°23	5°10	15°43	17°37	12°34	6°15	4°51	7°33	0°23	S 22
S 23	0 28 47	5°15'56	20°44	0♎57	1♎13	11°21	16°15	5° 9	15°46	17°35	12°34	6° 6	4°48	7°40	0°21	S 23
M24	0 32 43	6°15'25	3♐26	2°41	2°28	11°56	16° 7	5° 8	15°50	17°34	12°33	5°59	4°45	7°47	0°18	M24
T 25	0 36 40	7°14'57	16°22	4°25	3°44	12°32	15°59	5° 7	15°54	17°32	12°32	5°54	4°42	7°53	0°16	T 25
W26	0 40 37	8°14'30	29°34	6° 8	4°59	13° 7	15°51	5° 6	15°57	17°30	12°32	5°52	4°38	8° 0	0°13	W26
T 27	0 44 33	9°14'06	13♑ 5	7°51	6°14	13°43	15°43	5° 5	16° 1	17°29	12°31	5°D52	4°35	8° 7	0°10	T 27
F 28	0 48 30	10°13'43	26°55	9°33	7°29	14°18	15°35	5° 5	16° 5	17°27	12°30	5°53	4°32	8°13	0° 8	F 28
S 29	0 52 26	11°13'21	11♒ 8	11°15	8°44	14°54	15°27	5° 4	16° 9	17°25	12°30	5°R53	4°29	8°20	0° 5	S 29
S 30	0 56 23	12♎13'02	25♒40	12♎55	9♎59	15♌29	15♈19	5♒ 4	16♎13	17♈24	12♒29	5♌51	4♌26	8♍27	0♉ 2	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n29	19s18	0n31	13n35	0n37	11n27	1n22	21n42	1n 4	5n53	1s36	19s58	1s 7	5s11	0n35	5n26	1s51	27s 8	10s34	18n26	18n53	11n59	12n31	0n37
S 2	6 6	16 39	0s50	13 26	0 50	11 1	1 23	21 35	1 4	5 51	1 37	19 59	1 7	5 13	0 35	5 26	1 51	27 8	10 34	18 26	18 53	11 57	12 30	0 37
M 3	5 43	12 49	2 8	13 14	1 1	10 33	1 23	21 28	1 5	5 49	1 37	20 0	1 7	5 14	0 35	5 25	1 51	27 8	10 34	18 27	18 54	11 56	12 29	0 37
T 4	5 20	8 7	3 18	12 58	1 12	10 6	1 24	21 21	1 5	5 47	1 37	20 1	1 7	5 15	0 35	5 25	1 51	27 8	10 34	18 28	18 55	11 54	12 29	0 37
W 5	4 57	2 55	4 14	12 38	1 21	9 38	1 24	21 14	1 6	5 44	1 37	20 1	1 7	5 17	0 35	5 24	1 51	27 9	10 34	18 29	18 56	11 52	12 28	0 37
T 6	4 34	2n23	4 51	12 15	1 29	9 10	1 25	21 6	1 7	5 42	1 37	20 2	1 7	5 18	0 35	5 24	1 51	27 9	10 34	18 31	18 57	11 50	12 27	0 37
F 7	4 11	7 25	5 9	11 49	1 35	8 42	1 25	20 59	1 7	5 39	1 37	20 3	1 7	5 19	0 35	5 23	1 51	27 9	10 33	18 32	18 57	11 49	12 27	0 37
S 8	3 48	11 53	5 6	11 20	1 41	8 14	1 25	20 51	1 8	5 37	1 37	20 3	1 7	5 21	0 35	5 22	1 51	27 9	10 33	18 34	18 58	11 47	12 26	0 37
S 9	3 25	15 35	4 46	10 48	1 45	7 45	1 26	20 43	1 9	5 34	1 38	20 4	1 7	5 22	0 35	5 22	1 51	27 9	10 33	18 35	18 59	11 45	12 25	0 37
M10	3 1	18 21	4 11	10 14	1 49	7 16	1 26	20 35	1 9	5 32	1 38	20 4	1 7	5 24	0 35	5 21	1 51	27 10	10 33	18 35	19 0	11 43	12 24	0 37
T 11	2 38	20 6	3 24	9 39	1 51	6 47	1 26	20 27	1 10	5 29	1 38	20 5	1 7	5 25	0 35	5 21	1 51	27 10	10 33	18 35	19 0	11 41	12 23	0 37
W12	2 14	20 49	2 29	9 1	1 53	6 18	1 26	20 19	1 11	5 26	1 38	20 6	1 7	5 26	0 35	5 20	1 51	27 10	10 33	18 35	19 1	11 40	12 23	0 37
T 13	1 51	20 31	1 29	8 21	1 54	5 48	1 26	20 11	1 11	5 24	1 38	20 6	1 7	5 28	0 35	5 19	1 51	27 10	10 33	18 35	19 2	11 38	12 22	0 37
F 14	1 27	19 18	0 25	7 40	1 54	5 18	1 26	20 3	1 12	5 21	1 38	20 7	1 7	5 29	0 35	5 19	1 52	27 10	10 33	18 35	19 3	11 36	12 21	0 37
S 15	1 3	17 14	0n39	6 58	1 53	4 48	1 25	19 54	1 13	5 18	1 38	20 7	1 7	5 31	0 35	5 18	1 52	27 10	10 32	18 35	19 4	11 34	12 20	0 36
S 16	0 40	14 27	1 40	6 15	1 52	4 18	1 25	19 46	1 13	5 15	1 38	20 7	1 7	5 32	0 35	5 18	1 52	27 10	10 32	18 35	19 4	11 32	12 19	0 36
M17	0 16	11 5	2 38	5 32	1 50	3 48	1 25	19 37	1 14	5 12	1 38	20 8	1 7	5 33	0 35	5 17	1 52	27 10	10 32	18 36	19 5	11 31	12 18	0 36
T 18	0s 8	7 16	3 28	4 47	1 47	3 18	1 24	19 28	1 15	5 9	1 39	20 8	1 7	5 35	0 35	5 16	1 52	27 11	10 32	18 38	19 6	11 29	12 17	0 36
W19	0 31	3 9	4 10	4 2	1 44	2 48	1 24	19 19	1 15	5 6	1 39	20 9	1 7	5 36	0 35	5 16	1 52	27 11	10 32	18 40	19 7	11 27	12 17	0 36
T 20	0 55	1s 8	4 41	3 16	1 41	2 17	1 23	19 10	1 16	5 3	1 39	20 9	1 7	5 38	0 35	5 15	1 52	27 11	10 32	18 43	19 7	11 25	12 16	0 36
F 21	1 19	5 24	4 59	2 30	1 37	1 47	1 23	19 1	1 17	5 0	1 39	20 9	1 7	5 39	0 35	5 14	1 52	27 11	10 31	18 46	19 8	11 23	12 15	0 36
S 22	1 42	9 31	5 4	1 44	1 33	1 16	1 22	18 52	1 17	4 57	1 39	20 10	1 7	5 41	0 35	5 14	1 52	27 11	10 31	18 48	19 9	11 22	12 14	0 36
S 23	2 6	13 17	4 55	0 58	1 28	0 45	1 22	18 43	1 18	4 54	1 39	20 10	1 7	5 42	0 35	5 13	1 52	27 11	10 31	18 51	19 10	11 20	12 13	0 36
M24	2 30	16 31	4 31	0 12	1 23	0 15	1 21	18 33	1 19	4 51	1 39	20 10	1 7	5 43	0 35	5 12	1 52	27 11	10 31	18 52	19 10	11 18	12 12	0 36
T 25	2 53	19 0	3 52	0s34	1 18	0s16	1 20	18 24	1 19	4 48	1 39	20 10	1 7	5 45	0 35	5 12	1 52	27 11	10 31	18 53	19 11	11 16	12 11	0 36
W26	3 17	20 33	3 1	1 21	1 12	0 47	1 19	18 15	1 20	4 45	1 39	20 10	1 7	5 46	0 35	5 11	1 52	27 11	10 31	18 54	19 12	11 14	12 10	0 36
T 27	3 41	20 57	1 59	2 7	1 7	1 18	1 18	18 5	1 21	4 42	1 39	20 11	1 7	5 48	0 35	5 11	1 52	27 11	10 30	18 54	19 13	11 12	12 9	0 36
F 28	4 4	20 6	0 48	2 52	1 1	1 48	1 17	17 55	1 21	4 39	1 39	20 11	1 7	5 49	0 35	5 10	1 52	27 11	10 30	18 54	19 14	11 11	12 8	0 36
S 29	4 28	17 58	0s28	3 38	0 55	2 19	1 16	17 46	1 22	4 36	1 39	20 11	1 7	5 51	0 35	5 9	1 52	27 11	10 30	18 54	19 14	11 9	12 7	0 36
S 30	4s51	14s39	1s43	4s23	0n49	2s50	1n15	17n36	1n23	4n33	1s39	20s11	1s 7	5s52	0n35	5n 9	1s52	27s11	10s30	18n54	19n15	11n 7	12n 6	0n36

Julian Day Number = 2104813.5, Delta T = 20m39s
Ecliptic obliquity = 23°33'39, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°30'26, Lahiri = 10°37'27 Julian Calendar 1 Sept. 1050 == Greg. Calendar 7 Sept. 1050

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1050
geocentric

OCTOBER 1050 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 0 19	13♎12'44	10♓30	14♎36	11♎15	16♌ 4	15°R11	5°R 3	16♎16	17°R22	12°R29	5°R47	4♌22	8♍33	29°R59	M 1
T 2	1 4 16	14°12'28	25°31	16°15	12°30	16°39	15♈ 3	5♒ 3	16°20	17♈20	12♒28	5♌41	4°19	8°40	29♈57	T 2
W 3	1 8 12	15°12'14	10♈34	17°54	13°45	17°14	14°55	5° 3	16°24	17°19	12°28	5°32	4°16	8°47	29°54	W 3
T 4	1 12 9	16°12'01	25°30	19°33	15° 0	17°49	14°47	5°D 3	16°28	17°17	12°27	5°21	4°13	8°53	29°51	T 4
F 5	1 16 5	17°11'51	10♉10	21°10	16°16	18°24	14°39	5° 3	16°31	17°15	12°27	5°10	4°10	9° 0	29°48	F 5
S 6	1 20 2	18°11'44	24°26	22°48	17°31	18°58	14°30	5° 3	16°35	17°14	12°27	5° 0	4° 7	9° 7	29°45	S 6
S 7	1 23 59	19°11'38	8♊13	24°24	18°46	19°33	14°22	5° 3	16°39	17°12	12°26	4°52	4° 3	9°13	29°42	S 7
M 8	1 27 55	20°11'34	21°32	26° 1	20° 1	20° 8	14°14	5° 4	16°43	17°10	12°26	4°46	4° 0	9°20	29°39	M 8
T 9	1 31 52	21°11'33	4♋24	27°36	21°17	20°42	14° 6	5° 4	16°46	17° 9	12°26	4°43	3°57	9°27	29°37	T 9
W10	1 35 48	22°11'34	16°52	29°11	22°32	21°17	13°58	5° 5	16°50	17° 7	12°25	4°42	3°54	9°33	29°34	W10
T 11	1 39 45	23°11'37	29° 2	0♏46	23°47	21°51	13°50	5° 6	16°54	17° 5	12°25	4°42	3°51	9°40	29°31	T 11
F 12	1 43 41	24°11'43	10♌59	2°20	25° 3	22°25	13°43	5° 6	16°58	17° 4	12°25	4°42	3°48	9°47	29°28	F 12
S 13	1 47 38	25°11'50	22°48	3°54	26°18	23° 0	13°35	5° 7	17° 1	17° 2	12°24	4°41	3°44	9°53	29°25	S 13
S 14	1 51 34	26°12'00	4♍35	5°28	27°33	23°34	13°27	5° 8	17° 5	17° 0	12°24	4°37	3°41	10° 0	29°22	S 14
M15	1 55 31	27°12'11	16°25	7° 1	28°48	24° 8	13°19	5° 9	17° 9	16°59	12°24	4°31	3°38	10° 7	29°19	M15
T 16	1 59 28	28°12'25	28°20	8°33	0♏ 4	24°42	13°12	5°10	17°13	16°57	12°24	4°22	3°35	10°13	29°16	T 16
W17	2 3 24	29°12'40	10♎24	10° 5	1°19	25°16	13° 4	5°12	17°16	16°55	12°24	4°10	3°32	10°20	29°13	W17
T 18	2 7 21	0♏12'58	22°37	11°37	2°35	25°49	12°57	5°13	17°20	16°54	12°24	3°57	3°28	10°27	29°10	T 18
F 19	2 11 17	1°13'17	5♏ 3	13° 8	3°50	26°23	12°49	5°15	17°24	16°52	12°24	3°42	3°25	10°33	29° 7	F 19
S 20	2 15 14	2°13'38	17°39	14°39	5° 5	26°57	12°42	5°16	17°27	16°50	12°24	3°28	3°22	10°40	29° 4	S 20
S 21	2 19 10	3°14'01	0♐27	16°10	6°21	27°30	12°35	5°18	17°31	16°49	12°D24	3°16	3°19	10°47	29° 1	S 21
M22	2 23 7	4°14'25	13°25	17°40	7°36	28° 3	12°28	5°20	17°35	16°47	12°24	3° 6	3°16	10°54	28°58	M22
T 23	2 27 3	5°14'51	26°35	19°10	8°51	28°37	12°21	5°22	17°38	16°46	12°24	3° 0	3°13	11° 0	28°55	T 23
W24	2 31 0	6°15'18	9♑56	20°40	10° 7	29°10	12°14	5°24	17°42	16°44	12°24	2°56	3° 9	11° 7	28°53	W24
T 25	2 34 57	7°15'47	23°29	22° 9	11°22	29°43	12° 8	5°26	17°46	16°43	12°24	2°55	3° 6	11°14	28°50	T 25
F 26	2 38 53	8°16'17	7♒15	23°37	12°37	0♍16	12° 1	5°28	17°49	16°41	12°24	2°55	3° 3	11°20	28°47	F 26
S 27	2 42 50	9°16'49	21°16	25° 6	13°53	0°49	11°55	5°30	17°53	16°40	12°24	2°54	3° 0	11°27	28°44	S 27
S 28	2 46 46	10°17'21	5♓30	26°33	15° 8	1°21	11°48	5°33	17°56	16°38	12°24	2°53	2°57	11°34	28°41	S 28
M29	2 50 43	11°17'55	19°58	28° 0	16°24	1°54	11°42	5°35	18° 0	16°36	12°25	2°48	2°54	11°40	28°38	M29
T 30	2 54 39	12°18'30	4♈34	29°27	17°39	2°26	11°36	5°38	18° 3	16°35	12°25	2°41	2°50	11°47	28°35	T 30
W31	2 58 36	13♏19'07	19♈14	0♐53	18♏54	2♍59	11♈30	5♒40	18♎ 7	16♈34	12♒25	2♌32	2♌47	11♍54	28♈32	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s15	10s20	2s53	5s 8	0n42	3s20	1n14	17n26	1n24	4n30	1s39	20s11	1s 7	5s54	0n35	5n 8	1s52	27s11	10s30	18n55	19n16	11n 5	12n 5	0n35
T 2	5 38	5 20	3 52	5 52	0 36	3 51	1 13	17 16	1 24	4 26	1 39	20 11	1 7	5 55	0 35	5 7	1 52	27 11	10 30	18 57	19 17	11 3	12 4	0 35
W 3	6 1	0n 0	4 34	6 36	0 29	4 22	1 11	17 6	1 25	4 23	1 39	20 11	1 7	5 57	0 35	5 7	1 52	27 11	10 29	18 59	19 17	11 1	12 3	0 35
T 4	6 24	5 17	4 58	7 20	0 23	4 52	1 10	16 56	1 26	4 20	1 39	20 11	1 7	5 58	0 35	5 6	1 52	27 11	10 29	19 2	19 18	11 0	12 1	0 35
F 5	6 47	10 11	5 1	8 3	0 16	5 22	1 8	16 46	1 26	4 17	1 39	20 11	1 7	5 59	0 35	5 5	1 52	27 11	10 29	19 4	19 19	10 58	12 0	0 35
S 6	7 10	14 22	4 45	8 46	0 10	5 53	1 7	16 35	1 27	4 14	1 38	20 11	1 7	6 1	0 35	5 5	1 52	27 11	10 29	19 7	19 20	10 56	11 59	0 35
S 7	7 33	17 38	4 13	9 28	0 3	6 23	1 6	16 25	1 28	4 11	1 38	20 11	1 7	6 2	0 35	5 4	1 52	27 11	10 29	19 9	19 20	10 54	11 58	0 35
M 8	7 56	19 50	3 28	10 9	0s 4	6 53	1 4	16 15	1 28	4 8	1 38	20 11	1 7	6 4	0 35	5 3	1 52	27 11	10 28	19 10	19 21	10 52	11 57	0 35
T 9	8 19	20 56	2 33	10 50	0 11	7 23	1 2	16 4	1 29	4 5	1 38	20 10	1 7	6 5	0 35	5 3	1 52	27 11	10 28	19 11	19 22	10 50	11 56	0 35
W10	8 41	20 57	1 33	11 31	0 17	7 52	1 1	15 54	1 30	4 2	1 38	20 10	1 7	6 7	0 35	5 2	1 52	27 10	10 28	19 11	19 23	10 48	11 55	0 35
T 11	9 3	19 58	0 30	12 10	0 24	8 22	0 59	15 43	1 31	3 59	1 38	20 10	1 7	6 8	0 35	5 2	1 52	27 10	10 28	19 11	19 23	10 46	11 54	0 35
F 12	9 26	18 6	0n33	12 50	0 31	8 51	0 57	15 33	1 31	3 56	1 38	20 10	1 7	6 10	0 35	5 1	1 52	27 10	10 28	19 11	19 24	10 45	11 53	0 35
S 13	9 48	15 28	1 34	13 28	0 37	9 20	0 56	15 22	1 32	3 53	1 38	20 10	1 7	6 11	0 35	5 0	1 52	27 10	10 27	19 11	19 25	10 43	11 52	0 35
S 14	10 10	12 13	2 31	14 6	0 44	9 49	0 54	15 11	1 33	3 50	1 38	20 9	1 7	6 13	0 35	5 0	1 52	27 10	10 27	19 12	19 26	10 41	11 51	0 35
M15	10 32	8 29	3 22	14 43	0 50	10 18	0 52	15 1	1 33	3 47	1 38	20 9	1 6	6 14	0 35	4 59	1 52	27 10	10 27	19 14	19 26	10 39	11 49	0 34
T 16	10 53	4 23	4 3	15 19	0 57	10 46	0 50	14 50	1 34	3 44	1 37	20 9	1 6	6 15	0 35	4 58	1 52	27 10	10 27	19 16	19 27	10 37	11 48	0 34
W17	11 15	0 5	4 35	15 55	1 3	11 15	0 48	14 39	1 35	3 42	1 37	20 8	1 6	6 17	0 35	4 58	1 52	27 9	10 27	19 19	19 28	10 35	11 47	0 34
T 18	11 36	4s18	4 54	16 29	1 9	11 43	0 46	14 29	1 36	3 39	1 37	20 8	1 6	6 18	0 35	4 57	1 52	27 9	10 26	19 22	19 29	10 33	11 46	0 34
F 19	11 57	8 34	5 0	17 3	1 15	12 10	0 44	14 18	1 36	3 36	1 37	20 8	1 6	6 20	0 35	4 57	1 52	27 9	10 26	19 25	19 29	10 31	11 45	0 34
S 20	12 18	12 32	4 51	17 36	1 21	12 38	0 42	14 7	1 37	3 33	1 37	20 7	1 6	6 21	0 35	4 56	1 52	27 9	10 26	19 29	19 30	10 29	11 44	0 34
S 21	12 39	15 59	4 27	18 9	1 27	13 5	0 40	13 56	1 38	3 31	1 37	20 7	1 6	6 22	0 35	4 55	1 52	27 9	10 26	19 31	19 31	10 27	11 43	0 34
M22	13 0	18 44	3 50	18 40	1 33	13 31	0 38	13 45	1 39	3 28	1 36	20 6	1 6	6 24	0 35	4 55	1 52	27 8	10 25	19 34	19 32	10 26	11 42	0 34
T 23	13 20	20 32	2 59	19 11	1 38	13 58	0 36	13 34	1 39	3 26	1 36	20 6	1 6	6 25	0 35	4 54	1 52	27 8	10 25	19 35	19 32	10 24	11 40	0 34
W24	13 40	21 13	1 58	19 40	1 43	14 24	0 33	13 23	1 40	3 23	1 36	20 5	1 6	6 27	0 35	4 54	1 52	27 8	10 25	19 36	19 33	10 22	11 39	0 34
T 25	14 0	20 42	0 50	20 9	1 48	14 49	0 31	13 12	1 41	3 21	1 36	20 5	1 6	6 28	0 35	4 53	1 52	27 8	10 25	19 36	19 34	10 20	11 38	0 34
F 26	14 20	18 55	0s23	20 36	1 53	15 15	0 29	13 1	1 42	3 19	1 36	20 4	1 6	6 29	0 35	4 52	1 52	27 8	10 25	19 36	19 35	10 18	11 37	0 34
S 27	14 40	15 59	1 35	21 3	1 58	15 40	0 27	12 50	1 42	3 16	1 35	20 3	1 6	6 31	0 35	4 52	1 52	27 7	10 24	19 37	19 35	10 16	11 36	0 33
S 28	14 59	12 4	2 43	21 28	2 2	16 4	0 24	12 39	1 43	3 14	1 35	20 3	1 6	6 32	0 35	4 51	1 52	27 7	10 24	19 37	19 36	10 14	11 35	0 33
M29	15 18	7 23	3 41	21 52	2 7	16 28	0 22	12 28	1 44	3 12	1 35	20 2	1 6	6 33	0 35	4 51	1 52	27 7	10 24	19 38	19 37	10 12	11 34	0 33
T 30	15 37	2 14	4 26	22 15	2 10	16 52	0 20	12 17	1 45	3 10	1 35	20 1	1 6	6 35	0 35	4 50	1 52	27 6	10 24	19 40	19 37	10 10	11 33	0 33
W31	15s55	3n 3	4s53	22s37	2s14	17s15	0n17	12n 6	1n45	3n 8	1s34	20s 1	1s 6	6s36	0n35	4n50	1s51	27s 6	10s23	19n42	19n38	10n 8	11n32	0n33

Julian Day Number = 2104843.5, Delta T = 20m39s
Ecliptic obliquity = 23°33'40, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°30'30, Lahiri = 10°37'31 Julian Calendar 1 Oct. 1050 == Greg. Calendar 7 Oct. 1050

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1050
geocentric

NOVEMBER 1050 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 2 32	14♏19'45	3♉50	2♐18	20♏10	3♍31	11°R25	5♒43	18♎10	16°R32	12♒25	2°R20	2♌44	12♍ 0	28°R30	T 1
F 2	3 6 29	15°20'24	18°14	3°43	21°25	4° 3	11♈19	5°46	18°14	16♈31	12°26	2♌ 8	2°41	12° 7	28♈27	F 2
S 3	3 10 26	16°21'05	2♊21	5° 7	22°40	4°35	11°14	5°49	18°17	16°29	12°26	1°57	2°38	12°14	28°24	S 3
S 4	3 14 22	17°21'47	16° 4	6°29	23°56	5° 7	11° 9	5°52	18°21	16°28	12°26	1°48	2°34	12°20	28°21	S 4
M 5	3 18 19	18°22'31	29°23	7°51	25°11	5°39	11° 4	5°55	18°24	16°26	12°27	1°41	2°31	12°27	28°19	M 5
T 6	3 22 15	19°23'16	12♋16	9°11	26°27	6°11	10°59	5°58	18°28	16°25	12°27	1°37	2°28	12°34	28°16	T 6
W 7	3 26 12	20°24'03	24°47	10°30	27°42	6°42	10°54	6° 2	18°31	16°24	12°28	1°35	2°25	12°40	28°13	W 7
T 8	3 30 8	21°24'51	7♌ 0	11°47	28°57	7°14	10°50	6° 5	18°34	16°22	12°28	1°D35	2°22	12°47	28°11	T 8
F 9	3 34 5	22°25'41	18°59	13° 3	0♐13	7°45	10°46	6° 9	18°38	16°21	12°29	1°R35	2°19	12°54	28° 8	F 9
S 10	3 38 1	23°26'33	0♍50	14°16	1°28	8°16	10°42	6°12	18°41	16°20	12°29	1°35	2°15	13° 0	28° 5	S 10
S 11	3 41 58	24°27'25	12°39	15°27	2°43	8°47	10°38	6°16	18°44	16°19	12°30	1°33	2°12	13° 7	28° 3	S 11
M12	3 45 55	25°28'19	24°30	16°35	3°59	9°18	10°34	6°20	18°47	16°17	12°30	1°29	2° 9	13°14	28° 0	M12
T 13	3 49 51	26°29'15	6♎29	17°39	5°14	9°49	10°31	6°24	18°50	16°16	12°31	1°22	2° 6	13°20	27°58	T 13
W14	3 53 48	27°30'12	18°38	18°40	6°29	10°19	10°27	6°28	18°54	16°15	12°31	1°13	2° 3	13°27	27°55	W14
T 15	3 57 44	28°31'10	1♏ 2	19°37	7°45	10°50	10°24	6°32	18°57	16°14	12°32	1° 2	1°59	13°34	27°53	T 15
F 16	4 1 41	29°32'09	13°41	20°29	9° 0	11°20	10°21	6°36	19° 0	16°13	12°33	0°51	1°56	13°40	27°50	F 16
S 17	4 5 37	0♐33'09	26°35	21°15	10°16	11°50	10°18	6°40	19° 3	16°12	12°33	0°39	1°53	13°47	27°48	S 17
S 18	4 9 34	1°34'11	9♐44	21°55	11°31	12°20	10°16	6°44	19° 6	16°11	12°34	0°29	1°50	13°54	27°46	S 18
M19	4 13 30	2°35'13	23° 5	22°27	12°46	12°50	10°14	6°49	19° 9	16° 9	12°35	0°21	1°47	14° 0	27°43	M19
T 20	4 17 27	3°36'16	6♑38	22°52	14° 2	13°20	10°11	6°53	19°12	16° 8	12°36	0°16	1°44	14° 7	27°41	T 20
W21	4 21 24	4°37'20	20°20	23° 8	15°17	13°49	10°10	6°58	19°15	16° 7	12°36	0°13	1°40	14°14	27°39	W21
T 22	4 25 20	5°38'25	4♒10	23°R14	16°32	14°19	10° 8	7° 2	19°18	16° 6	12°37	0°D13	1°37	14°21	27°37	T 22
F 23	4 29 17	6°39'30	18° 6	23° 9	17°48	14°48	10° 6	7° 7	19°21	16° 6	12°38	0°14	1°34	14°27	27°34	F 23
S 24	4 33 13	7°40'35	2♓ 8	22°54	19° 3	15°17	10° 5	7°12	19°23	16° 5	12°39	0°R15	1°31	14°34	27°32	S 24
S 25	4 37 10	8°41'40	16°15	22°27	20°18	15°45	10° 4	7°16	19°26	16° 4	12°40	0°15	1°28	14°41	27°30	S 25
M26	4 41 6	9°42'46	0♈26	21°48	21°34	16°14	10° 3	7°21	19°29	16° 3	12°41	0°13	1°25	14°47	27°28	M26
T 27	4 45 3	10°43'53	14°39	20°58	22°49	16°42	10° 3	7°26	19°32	16° 2	12°42	0° 8	1°21	14°54	27°26	T 27
W28	4 48 59	11°44'59	28°50	19°58	24° 4	17°11	10° 2	7°31	19°34	16° 1	12°43	0° 2	1°18	15° 1	27°24	W28
T 29	4 52 56	12°46'06	12♑57	18°49	25°20	17°39	10° 2	7°37	19°37	16° 1	12°44	29♋54	1°15	15° 7	27°23	T 29
F 30	4 56 53	13♐47'14	26♑55	17♐32	26♐35	18♍ 6	10°D 2	7♒42	19♎40	16♈ 0	12♒45	29♋46	1♌12	15♍14	27♈21	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s13	8n 8	5s 1	22s58	2s17	17s38	0n15	11n55	1n46	3n 6	1s34	20s 0	1s 6	6s37	0n35	4n49	1s51	27s 6	10s23	19n44	19n39	10n 6	11n30	0n33
F 2	16 31	12 43	4 49	23 18	2 20	18 0	0 13	11 44	1 47	3 4	1 34	19 59	1 6	6 39	0 35	4 49	1 51	27 6	10 23	19 47	19 40	10 4	11 29	0 33
S 3	16 49	16 29	4 20	23 36	2 23	18 22	0 10	11 33	1 48	3 2	1 34	19 58	1 6	6 40	0 35	4 48	1 51	27 5	10 23	19 50	19 40	10 2	11 28	0 33
S 4	17 6	19 14	3 36	23 53	2 25	18 43	0 8	11 22	1 49	3 0	1 33	19 58	1 6	6 41	0 35	4 48	1 51	27 5	10 23	19 52	19 41	10 0	11 27	0 33
M 5	17 23	20 51	2 42	24 8	2 26	19 4	0 6	11 11	1 49	2 58	1 33	19 57	1 6	6 43	0 35	4 47	1 51	27 5	10 22	19 53	19 42	9 59	11 26	0 33
T 6	17 40	21 19	1 41	24 22	2 28	19 24	0 3	11 0	1 50	2 57	1 33	19 56	1 6	6 44	0 35	4 47	1 51	27 4	10 22	19 54	19 43	9 57	11 25	0 33
W 7	17 56	20 41	0 36	24 35	2 28	19 44	0 1	10 49	1 51	2 55	1 33	19 55	1 6	6 45	0 35	4 46	1 51	27 4	10 22	19 54	19 43	9 55	11 24	0 32
T 8	18 12	19 5	0n29	24 46	2 28	20 3	0s 2	10 38	1 52	2 54	1 32	19 54	1 6	6 47	0 35	4 46	1 51	27 4	10 22	19 54	19 44	9 53	11 23	0 32
F 9	18 28	16 39	1 31	24 55	2 28	20 22	0 4	10 27	1 53	2 52	1 32	19 53	1 6	6 48	0 35	4 45	1 51	27 3	10 22	19 54	19 45	9 51	11 22	0 32
S 10	18 44	13 33	2 29	25 3	2 27	20 40	0 6	10 16	1 53	2 51	1 32	19 52	1 6	6 49	0 35	4 45	1 51	27 3	10 21	19 54	19 45	9 49	11 21	0 32
S 11	18 59	9 56	3 20	25 10	2 25	20 57	0 9	10 5	1 54	2 50	1 31	19 51	1 5	6 50	0 35	4 44	1 51	27 3	10 21	19 55	19 46	9 47	11 20	0 32
M12	19 14	5 55	4 3	25 14	2 22	21 14	0 11	9 54	1 55	2 48	1 31	19 50	1 5	6 51	0 35	4 44	1 51	27 2	10 21	19 56	19 47	9 45	11 19	0 32
T 13	19 28	1 38	4 36	25 17	2 19	21 30	0 14	9 43	1 56	2 47	1 31	19 49	1 5	6 53	0 35	4 43	1 51	27 2	10 21	19 57	19 48	9 43	11 18	0 32
W14	19 42	2s46	4 56	25 18	2 14	21 46	0 16	9 32	1 57	2 46	1 31	19 48	1 5	6 54	0 35	4 43	1 51	27 1	10 20	19 59	19 48	9 41	11 17	0 32
T 15	19 56	7 9	5 3	25 18	2 9	22 1	0 18	9 21	1 58	2 45	1 30	19 47	1 5	6 55	0 35	4 43	1 51	27 1	10 20	20 2	19 49	9 39	11 16	0 32
F 16	20 9	11 19	4 56	25 15	2 3	22 15	0 21	9 10	1 58	2 44	1 30	19 46	1 5	6 56	0 35	4 42	1 51	27 1	10 20	20 4	19 50	9 37	11 15	0 32
S 17	20 22	15 3	4 33	25 11	1 55	22 29	0 23	9 0	1 59	2 44	1 30	19 45	1 5	6 57	0 35	4 42	1 51	27 0	10 20	20 7	19 50	9 35	11 14	0 32
S 18	20 35	18 8	3 56	25 5	1 47	22 42	0 26	8 49	2 0	2 43	1 29	19 44	1 5	6 58	0 35	4 41	1 51	27 0	10 20	20 9	19 51	9 33	11 13	0 31
M19	20 47	20 18	3 5	24 57	1 37	22 54	0 28	8 38	2 1	2 42	1 29	19 43	1 5	7 0	0 35	4 41	1 51	26 59	10 19	20 11	19 52	9 31	11 12	0 31
T 20	20 59	21 21	2 3	24 47	1 25	23 6	0 30	8 27	2 2	2 42	1 29	19 42	1 5	7 1	0 35	4 41	1 51	26 59	10 19	20 12	19 53	9 29	11 11	0 31
W21	21 10	21 9	0 53	24 36	1 13	23 17	0 33	8 17	2 3	2 41	1 28	19 41	1 5	7 2	0 35	4 40	1 51	26 59	10 19	20 12	19 53	9 27	11 10	0 31
T 22	21 21	19 39	0s21	24 22	0 59	23 27	0 35	8 6	2 4	2 41	1 28	19 39	1 5	7 3	0 35	4 40	1 51	26 58	10 19	20 12	19 54	9 25	11 10	0 31
F 23	21 32	16 59	1 35	24 6	0 43	23 37	0 37	7 56	2 4	2 41	1 28	19 38	1 5	7 4	0 35	4 40	1 51	26 58	10 19	20 12	19 55	9 23	11 9	0 31
S 24	21 42	13 18	2 43	23 49	0 27	23 46	0 39	7 45	2 5	2 40	1 28	19 37	1 5	7 5	0 35	4 39	1 51	26 57	10 19	20 12	19 55	9 21	11 8	0 31
S 25	21 52	8 51	3 42	23 29	0 9	23 54	0 42	7 35	2 6	2 40	1 27	19 36	1 5	7 6	0 35	4 39	1 50	26 57	10 18	20 12	19 56	9 19	11 7	0 31
M26	22 1	3 55	4 27	23 8	0n10	24 1	0 44	7 24	2 7	2 40	1 27	19 34	1 5	7 7	0 35	4 39	1 50	26 56	10 18	20 13	19 57	9 17	11 6	0 31
T 27	22 10	1n15	4 56	22 45	0 30	24 8	0 46	7 14	2 8	2 40	1 27	19 33	1 5	7 8	0 35	4 39	1 50	26 56	10 18	20 13	19 58	9 15	11 5	0 31
W28	22 19	6 20	5 7	22 20	0 50	24 14	0 48	7 4	2 9	2 40	1 26	19 32	1 5	7 9	0 35	4 38	1 50	26 55	10 18	20 15	19 58	9 13	11 5	0 30
T 29	22 27	11 3	5 0	21 55	1 11	24 19	0 50	6 54	2 10	2 41	1 26	19 31	1 5	7 10	0 35	4 38	1 50	26 55	10 18	20 16	19 59	9 11	11 4	0 30
F 30	22s34	15n 7	4s34	21s29	1n30	24s23	0s52	6n44	2n11	2n41	1s26	19s29	1s 5	7s11	0n35	4n38	1s50	26s55	10s17	20n18	20n 0	9n 9	11n 3	0n30

Julian Day Number = 2104874.5, Delta T = 20m38s
Ecliptic obliquity = 23°33'39, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°30'35, Lahiri = 10°37'35 Julian Calendar 1 Nov. 1050 == Greg. Calendar 7 Nov. 1050

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1050
geocentric

DECEMBER 1050 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 0 49	14♐48'22	10♊39	16°R12	27♐50	18♍34	10♈ 2	7♒47	19♎42	15°R59	12♒46	29°R39	1♌ 9	15♍21	27°R19	S 1
S 2	5 4 46	15°49'30	24° 5	14♐49	29° 5	19° 2	10° 2	7°52	19°45	15♈58	12°47	29♋32	1° 5	15°27	27♈17	S 2
M 3	5 8 42	16°50'39	7♋13	13°27	0♑21	19°29	10° 3	7°58	19°47	15°58	12°48	29°28	1° 2	15°34	27°16	M 3
T 4	5 12 39	17°51'48	20° 0	12° 9	1°36	19°56	10° 4	8° 3	19°50	15°57	12°49	29°26	0°59	15°41	27°14	T 4
W 5	5 16 35	18°52'58	2♌30	10°57	2°51	20°23	10° 5	8° 9	19°52	15°57	12°50	29°D25	0°56	15°47	27°12	W 5
T 6	5 20 32	19°54'08	14°43	9°52	4° 6	20°49	10° 6	8°14	19°54	15°56	12°51	29°26	0°53	15°54	27°11	T 6
F 7	5 24 28	20°55'19	26°43	8°57	5°22	21°15	10° 8	8°20	19°57	15°56	12°52	29°28	0°50	16° 1	27° 9	F 7
S 8	5 28 25	21°56'30	8♍36	8°12	6°37	21°42	10° 9	8°26	19°59	15°55	12°54	29°29	0°46	16° 7	27° 8	S 8
S 9	5 32 22	22°57'42	20°26	7°38	7°52	22° 7	10°11	8°31	20° 1	15°55	12°55	29°R30	0°43	16°14	27° 7	S 9
M10	5 36 18	23°58'54	2♎18	7°14	9° 7	22°33	10°13	8°37	20° 3	15°54	12°56	29°30	0°40	16°21	27° 5	M10
T 11	5 40 15	25° 0'06	14°18	7° 0	10°23	22°58	10°15	8°43	20° 5	15°54	12°57	29°28	0°37	16°28	27° 4	T 11
W12	5 44 11	26° 1'18	26°29	6°D56	11°38	23°24	10°18	8°49	20° 7	15°53	12°58	29°25	0°34	16°34	27° 3	W12
T 13	5 48 8	27° 2'31	8♏56	7° 2	12°53	23°48	10°20	8°55	20° 9	15°53	13° 0	29°20	0°31	16°41	27° 2	T 13
F 14	5 52 4	28° 3'44	21°42	7°15	14° 8	24°13	10°23	9° 1	20°11	15°53	13° 1	29°14	0°27	16°48	27° 1	F 14
S 15	5 56 1	29° 4'58	4♐48	7°37	15°23	24°37	10°26	9° 7	20°13	15°53	13° 2	29° 9	0°24	16°54	27° 0	S 15
S 16	5 59 57	0♑ 6'11	18°13	8° 5	16°38	25° 1	10°30	9°13	20°15	15°52	13° 4	29° 4	0°21	17° 1	26°59	S 16
M17	6 3 54	1° 7'25	1♑57	8°40	17°54	25°25	10°33	9°19	20°17	15°52	13° 5	29° 1	0°18	17° 8	26°58	M17
T 18	6 7 51	2° 8'38	15°56	9°20	19° 9	25°49	10°37	9°26	20°19	15°52	13° 6	28°59	0°15	17°14	26°57	T 18
W19	6 11 47	3° 9'51	0♒ 7	10° 6	20°24	26°12	10°40	9°32	20°21	15°52	13° 8	28°D58	0°11	17°21	26°56	W19
T 20	6 15 44	4°11'03	14°24	10°56	21°39	26°35	10°44	9°38	20°22	15°52	13° 9	28°59	0° 8	17°28	26°55	T 20
F 21	6 19 40	5°12'15	28°43	11°50	22°54	26°57	10°49	9°45	20°24	15°D52	13°11	29° 0	0° 5	17°34	26°55	F 21
S 22	6 23 37	6°13'26	13♓ 2	12°48	24° 9	27°19	10°53	9°51	20°25	15°52	13°12	29° 2	0° 2	17°41	26°54	S 22
S 23	6 27 33	7°14'37	27°16	13°49	25°24	27°41	10°58	9°58	20°27	15°52	13°13	29° 3	29♋59	17°48	26°54	S 23
M24	6 31 30	8°15'47	11♈25	14°52	26°39	28° 3	11° 2	10° 4	20°28	15°52	13°15	29°R 3	29°56	17°54	26°53	M24
T 25	6 35 27	9°16'56	25°25	15°59	27°54	28°24	11° 7	10°11	20°30	15°52	13°16	29° 2	29°52	18° 1	26°53	T 25
W26	6 39 23	10°18'04	9♉16	17° 7	29° 9	28°45	11°13	10°17	20°31	15°52	13°18	29° 1	29°49	18° 8	26°52	W26
T 27	6 43 20	11°19'12	22°57	18°18	0♒24	29° 5	11°18	10°24	20°33	15°52	13°19	28°58	29°46	18°15	26°52	T 27
F 28	6 47 16	12°20'19	6♊26	19°31	1°39	29°26	11°23	10°31	20°34	15°53	13°21	28°56	29°43	18°21	26°52	F 28
S 29	6 51 13	13°21'25	19°42	20°46	2°54	29°45	11°29	10°37	20°35	15°53	13°22	28°53	29°40	18°28	26°51	S 29
S 30	6 55 9	14°22'30	2♋44	22° 2	4° 9	0♎ 5	11°35	10°44	20°36	15°53	13°24	28°52	29°37	18°35	26°51	S 30
M31	6 59 6	15♑23'35	15♋32	23♐19	5♒24	0♎24	11♈41	10♒51	20♎37	15♈54	13♒25	28♋50	29♋33	18♍41	26♈51	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s41	18n19	3s53	21s 2	1n49	24s27	0s54	6n34	2n12	2n41	1s25	19s28	1s 5	7s12	0n35	4n38	1s50	26s54	10s17	20n20	20n 0	9n 7	11n 2	0n30
S 2	22 48	20 26	2 59	20 36	2 6	24 30	0 56	6 24	2 13	2 42	1 25	19 26	1 5	7 13	0 35	4 37	1 50	26 54	10 17	20 21	20 1	9 5	11 2	0 30
M 3	22 54	21 24	1 57	20 11	2 21	24 32	0 58	6 14	2 13	2 42	1 25	19 25	1 5	7 14	0 35	4 37	1 50	26 53	10 17	20 22	20 2	9 3	11 1	0 30
T 4	23 0	21 13	0 51	19 48	2 35	24 33	1 0	6 4	2 14	2 43	1 24	19 24	1 5	7 15	0 35	4 37	1 50	26 53	10 17	20 22	20 2	9 1	11 0	0 30
W 5	23 6	19 58	0n17	19 28	2 46	24 34	1 2	5 54	2 15	2 44	1 24	19 22	1 5	7 16	0 35	4 37	1 50	26 52	10 17	20 23	20 3	8 59	11 0	0 30
T 6	23 10	17 49	1 22	19 10	2 54	24 34	1 4	5 45	2 16	2 44	1 24	19 21	1 5	7 17	0 35	4 37	1 50	26 52	10 16	20 22	20 4	8 57	10 59	0 30
F 7	23 15	14 55	2 23	18 56	3 0	24 33	1 6	5 35	2 17	2 45	1 23	19 19	1 5	7 17	0 35	4 36	1 50	26 51	10 16	20 22	20 5	8 54	10 58	0 30
S 8	23 19	11 26	3 17	18 46	3 4	24 31	1 8	5 26	2 18	2 46	1 23	19 18	1 5	7 18	0 35	4 36	1 50	26 51	10 16	20 22	20 5	8 52	10 58	0 29
S 9	23 22	7 31	4 3	18 38	3 6	24 29	1 9	5 16	2 19	2 47	1 23	19 16	1 5	7 19	0 35	4 36	1 50	26 50	10 16	20 21	20 6	8 50	10 57	0 29
M10	23 25	3 19	4 38	18 35	3 5	24 26	1 11	5 7	2 20	2 48	1 22	19 15	1 5	7 20	0 35	4 36	1 50	26 50	10 16	20 22	20 7	8 48	10 57	0 29
T 11	23 28	1s 2	5 1	18 34	3 4	24 22	1 13	4 58	2 21	2 49	1 22	19 13	1 5	7 21	0 36	4 36	1 50	26 49	10 16	20 22	20 7	8 46	10 56	0 29
W12	23 30	5 25	5 12	18 37	3 1	24 17	1 14	4 49	2 22	2 51	1 22	19 11	1 5	7 21	0 36	4 36	1 50	26 49	10 16	20 23	20 8	8 44	10 55	0 29
T 13	23 32	9 41	5 8	18 42	2 56	24 12	1 16	4 40	2 23	2 52	1 21	19 10	1 5	7 22	0 36	4 36	1 50	26 48	10 15	20 24	20 9	8 42	10 55	0 29
F 14	23 33	13 38	4 49	18 49	2 51	24 5	1 17	4 31	2 24	2 53	1 21	19 8	1 5	7 23	0 36	4 36	1 49	26 48	10 15	20 25	20 9	8 40	10 54	0 29
S 15	23 33	17 2	4 14	18 59	2 45	23 58	1 19	4 22	2 25	2 55	1 21	19 7	1 5	7 24	0 36	4 36	1 49	26 47	10 15	20 26	20 10	8 38	10 54	0 29
S 16	23 34	19 38	3 25	19 10	2 38	23 51	1 20	4 13	2 26	2 57	1 20	19 5	1 5	7 24	0 36	4 36	1 49	26 47	10 15	20 27	20 11	8 36	10 54	0 29
M17	23 33	21 10	2 23	19 23	2 30	23 42	1 22	4 5	2 27	2 58	1 20	19 3	1 5	7 25	0 36	4 36	1 49	26 46	10 15	20 28	20 11	8 34	10 53	0 29
T 18	23 33	21 26	1 11	19 37	2 22	23 33	1 23	3 56	2 28	3 0	1 20	19 2	1 5	7 26	0 36	4 36	1 49	26 45	10 15	20 28	20 12	8 32	10 53	0 28
W19	23 31	20 20	0s 6	19 52	2 14	23 23	1 24	3 48	2 29	3 2	1 19	19 0	1 5	7 26	0 36	4 36	1 49	26 45	10 15	20 28	20 13	8 30	10 52	0 28
T 20	23 30	17 56	1 24	20 8	2 5	23 13	1 25	3 40	2 30	3 4	1 19	18 58	1 5	7 27	0 36	4 36	1 49	26 44	10 14	20 28	20 13	8 28	10 52	0 28
F 21	23 27	14 25	2 37	20 24	1 57	23 1	1 26	3 32	2 31	3 5	1 19	18 56	1 5	7 27	0 36	4 36	1 49	26 44	10 14	20 28	20 14	8 26	10 52	0 28
S 22	23 25	10 4	3 39	20 40	1 48	22 49	1 27	3 24	2 33	3 8	1 19	18 55	1 5	7 28	0 36	4 36	1 49	26 43	10 14	20 27	20 15	8 23	10 51	0 28
S 23	23 22	5 11	4 28	20 56	1 39	22 37	1 28	3 16	2 34	3 10	1 18	18 53	1 5	7 29	0 36	4 36	1 49	26 43	10 14	20 27	20 15	8 21	10 51	0 28
M24	23 18	0 4	5 1	21 13	1 30	22 23	1 29	3 9	2 35	3 12	1 18	18 51	1 5	7 29	0 36	4 36	1 49	26 42	10 14	20 27	20 16	8 19	10 51	0 28
T 25	23 14	5n 0	5 15	21 29	1 21	22 9	1 30	3 1	2 36	3 14	1 18	18 49	1 5	7 30	0 36	4 36	1 49	26 42	10 14	20 27	20 17	8 17	10 50	0 28
W26	23 10	9 45	5 10	21 45	1 12	21 55	1 31	2 54	2 37	3 16	1 17	18 48	1 5	7 30	0 36	4 36	1 49	26 41	10 14	20 28	20 17	8 15	10 50	0 28
T 27	23 5	13 57	4 48	22 0	1 3	21 39	1 32	2 47	2 38	3 19	1 17	18 46	1 5	7 31	0 36	4 36	1 49	26 41	10 14	20 28	20 18	8 13	10 50	0 27
F 28	22 59	17 22	4 11	22 15	0 54	21 23	1 32	2 40	2 39	3 21	1 17	18 44	1 5	7 31	0 36	4 37	1 49	26 40	10 14	20 29	20 19	8 11	10 50	0 27
S 29	22 53	19 50	3 20	22 29	0 45	21 7	1 33	2 33	2 40	3 24	1 16	18 42	1 5	7 31	0 36	4 37	1 49	26 40	10 14	20 29	20 19	8 9	10 50	0 27
S 30	22 47	21 12	2 20	22 43	0 36	20 50	1 33	2 26	2 41	3 26	1 16	18 40	1 5	7 32	0 36	4 37	1 48	26 39	10 14	20 30	20 20	8 7	10 50	0 27
M31	22s40	21n27	1s13	22s56	0n28	20s32	1s34	2n19	2n42	3n29	1s16	18s39	1s 5	7s32	0n36	4n37	1s48	26s38	10s13	20n30	20n21	8n 5	10n49	0n27

Julian Day Number = 2104904.5, Delta T = 20m38s
Ecliptic obliquity = 23°33'39, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°30'39, Lahiri = 10°37'39 Julian Calendar 1 Dec. 1050 == Greg. Calendar 7 Dec. 1050

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1051
geocentric

JANUARY 1051 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 3 2	16♉24'39	28♋ 6	24♐38	6♒39	0♎43	11♈47	10♒58	20♎38	15♈54	13♒27	28°D50	29♋30	18♍48	26°D51	T 1
W 2	7 6 59	17°25'42	10♌27	25°58	7°54	1° 1	11°54	11° 5	20°39	15°54	13°29	28♋50	29°27	18°55	26♈51	W 2
T 3	7 10 56	18°26'45	22°35	27°19	9° 9	1°19	12° 0	11°12	20°40	15°55	13°30	28°51	29°24	19° 1	26°51	T 3
F 4	7 14 52	19°27'47	4♍35	28°42	10°24	1°36	12° 7	11°19	20°41	15°55	13°32	28°52	29°21	19° 8	26°52	F 4
S 5	7 18 49	20°28'48	16°28	0♉ 5	11°38	1°53	12°14	11°25	20°42	15°56	13°33	28°53	29°17	19°15	26°52	S 5
S 6	7 22 45	21°29'48	28°18	1°29	12°53	2°10	12°21	11°32	20°43	15°56	13°35	28°54	29°14	19°21	26°52	S 6
M 7	7 26 42	22°30'48	10♎10	2°55	14° 8	2°26	12°28	11°39	20°43	15°57	13°37	28°54	29°11	19°28	26°52	M 7
T 8	7 30 38	23°31'47	22° 8	4°21	15°23	2°41	12°35	11°46	20°44	15°57	13°38	28°R55	29° 8	19°35	26°53	T 8
W 9	7 34 35	24°32'46	4♏17	5°48	16°37	2°57	12°43	11°54	20°45	15°58	13°40	28°54	29° 5	19°42	26°53	W 9
T 10	7 38 31	25°33'44	16°42	7°16	17°52	3°11	12°50	12° 1	20°45	15°59	13°42	28°54	29° 2	19°48	26°54	T 10
F 11	7 42 28	26°34'41	29°27	8°44	19° 7	3°26	12°58	12° 8	20°46	15°59	13°43	28°54	28°58	19°55	26°54	F 11
S 12	7 46 25	27°35'37	12♐34	10°14	20°22	3°39	13° 6	12°15	20°46	16° 0	13°45	28°54	28°55	20° 2	26°55	S 12
S 13	7 50 21	28°36'32	26° 5	11°44	21°36	3°53	13°14	12°22	20°46	16° 1	13°47	28°D54	28°52	20° 8	26°56	S 13
M14	7 54 18	29°37'27	10♉ 1	13°15	22°51	4° 5	13°22	12°29	20°47	16° 2	13°48	28°54	28°49	20°15	26°57	M14
T 15	7 58 14	0♒38'20	24°18	14°46	24° 5	4°17	13°31	12°36	20°47	16° 2	13°50	28°R54	28°46	20°22	26°57	T 15
W16	8 2 11	1°39'12	8♒52	16°19	25°20	4°29	13°39	12°43	20°47	16° 3	13°52	28°54	28°43	20°28	26°58	W16
T 17	8 6 7	2°40'03	23°38	17°52	26°34	4°40	13°48	12°51	20°47	16° 4	13°53	28°53	28°39	20°35	26°59	T 17
F 18	8 10 4	3°40'52	8♓26	19°26	27°49	4°51	13°57	12°58	20°48	16° 5	13°55	28°53	28°36	20°42	27° 0	F 18
S 19	8 14 0	4°41'40	23°11	21° 1	29° 3	5° 0	14° 6	13° 5	20°R48	16° 6	13°57	28°52	28°33	20°48	27° 1	S 19
S 20	8 17 57	5°42'26	7♈46	22°36	0♓18	5°10	14°15	13°12	20°48	16° 7	13°58	28°52	28°30	20°55	27° 2	S 20
M21	8 21 54	6°43'10	22° 6	24°13	1°32	5°18	14°24	13°20	20°47	16° 8	14° 0	28°51	28°27	21° 2	27° 4	M21
T 22	8 25 50	7°43'53	6♉ 9	25°50	2°47	5°27	14°33	13°27	20°47	16° 9	14° 2	28°D51	28°23	21° 9	27° 5	T 22
W23	8 29 47	8°44'34	19°53	27°28	4° 1	5°34	14°43	13°34	20°47	16°10	14° 4	28°51	28°20	21°15	27° 6	W23
T 24	8 33 43	9°45'14	3♊18	29° 7	5°15	5°41	14°52	13°41	20°47	16°11	14° 5	28°52	28°17	21°22	27° 8	T 24
F 25	8 37 40	10°45'52	16°27	0♒46	6°29	5°47	15° 2	13°49	20°47	16°12	14° 7	28°53	28°14	21°29	27° 9	F 25
S 26	8 41 36	11°46'28	29°20	2°27	7°44	5°53	15°12	13°56	20°46	16°14	14° 9	28°54	28°11	21°35	27°10	S 26
S 27	8 45 33	12°47'02	12♋ 0	4° 8	8°58	5°58	15°22	14° 3	20°46	16°15	14°10	28°55	28° 8	21°42	27°12	S 27
M28	8 49 29	13°47'35	24°28	5°50	10°12	6° 2	15°32	14°10	20°45	16°16	14°12	28°R56	28° 4	21°49	27°13	M28
T 29	8 53 26	14°48'05	6♌45	7°34	11°26	6° 6	15°42	14°18	20°45	16°17	14°14	28°55	28° 1	21°55	27°15	T 29
W30	8 57 23	15°48'35	18°54	9°18	12°40	6° 8	15°52	14°25	20°44	16°19	14°16	28°54	27°58	22° 2	27°17	W30
T 31	9 1 19	16♒49'02	0♍55	11♒ 3	13♓54	6♎11	16♈ 3	14♒32	20♎44	16♈20	14♒17	28♋52	27♋55	22♍ 9	27♈19	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s33	20n35	0s 4	23s 8	0n20	20s13	1s34	2n13	2n43	3n31	1s16	18s37	1s 5	7s33	0n36	4n37	1s48	26s38	10s13	20n30	20n22	8n 2	10n49	0n27
W 2	22 25	18 44	1n 4	23 19	0 11	19 54	1 34	2 7	2 45	3 34	1 15	18 35	1 5	7 33	0 36	4 37	1 48	26 37	10 13	20 30	20 22	8 0	10 49	0 27
T 3	22 17	16 4	2 8	23 29	0 3	19 35	1 35	2 0	2 46	3 37	1 15	18 33	1 5	7 33	0 36	4 38	1 48	26 37	10 13	20 30	20 23	7 58	10 49	0 27
F 4	22 8	12 45	3 6	23 38	0s 5	19 15	1 35	1 55	2 47	3 40	1 15	18 31	1 5	7 34	0 36	4 38	1 48	26 36	10 13	20 29	20 23	7 56	10 49	0 27
S 5	21 59	8 58	3 55	23 46	0 13	18 54	1 35	1 49	2 48	3 43	1 14	18 29	1 5	7 34	0 36	4 38	1 48	26 36	10 13	20 29	20 24	7 54	10 49	0 27
S 6	21 50	4 51	4 33	23 53	0 20	18 33	1 35	1 43	2 49	3 46	1 14	18 27	1 5	7 34	0 36	4 38	1 48	26 35	10 13	20 29	20 25	7 52	10 49	0 26
M 7	21 40	0 34	5 1	23 59	0 28	18 11	1 35	1 38	2 50	3 49	1 14	18 25	1 5	7 34	0 36	4 39	1 48	26 35	10 13	20 29	20 25	7 50	10 49	0 26
T 8	21 30	3s47	5 15	24 4	0 35	17 49	1 35	1 33	2 51	3 52	1 14	18 23	1 5	7 35	0 36	4 39	1 48	26 34	10 13	20 29	20 26	7 48	10 49	0 26
W 9	21 19	8 3	5 16	24 8	0 42	17 26	1 35	1 28	2 53	3 55	1 13	18 21	1 5	7 35	0 36	4 39	1 48	26 34	10 13	20 29	20 27	7 45	10 49	0 26
T 10	21 8	12 5	5 2	24 10	0 49	17 3	1 35	1 23	2 54	3 58	1 13	18 19	1 5	7 35	0 36	4 40	1 48	26 33	10 13	20 29	20 27	7 43	10 49	0 26
F 11	20 57	15 41	4 34	24 11	0 55	16 39	1 34	1 18	2 55	4 2	1 13	18 17	1 5	7 35	0 36	4 40	1 48	26 33	10 13	20 29	20 28	7 41	10 50	0 26
S 12	20 45	18 37	3 50	24 11	1 1	16 15	1 34	1 14	2 56	4 5	1 12	18 16	1 5	7 35	0 36	4 40	1 48	26 32	10 13	20 29	20 29	7 39	10 50	0 26
S 13	20 33	20 38	2 52	24 10	1 7	15 51	1 33	1 10	2 57	4 9	1 12	18 14	1 6	7 35	0 36	4 41	1 48	26 32	10 13	20 29	20 29	7 37	10 50	0 26
M14	20 20	21 28	1 43	24 7	1 13	15 26	1 33	1 6	2 58	4 12	1 12	18 12	1 6	7 35	0 36	4 41	1 48	26 31	10 13	20 29	20 30	7 35	10 50	0 26
T 15	20 7	20 57	0 26	24 2	1 19	15 0	1 32	1 2	3 0	4 16	1 12	18 10	1 6	7 36	0 36	4 41	1 48	26 30	10 13	20 29	20 31	7 33	10 50	0 26
W16	19 54	19 1	0s55	23 57	1 24	14 35	1 32	0 58	3 1	4 19	1 11	18 8	1 6	7 36	0 36	4 42	1 47	26 30	10 13	20 29	20 31	7 30	10 50	0 25
T 17	19 40	15 48	2 13	23 50	1 29	14 8	1 31	0 55	3 2	4 23	1 11	18 6	1 6	7 36	0 36	4 42	1 47	26 29	10 13	20 29	20 32	7 28	10 51	0 25
F 18	19 26	11 34	3 22	23 41	1 34	13 42	1 30	0 52	3 3	4 26	1 11	18 4	1 6	7 36	0 37	4 42	1 47	26 29	10 13	20 29	20 33	7 26	10 51	0 25
S 19	19 11	6 40	4 18	23 32	1 38	13 15	1 29	0 49	3 4	4 30	1 11	18 1	1 6	7 36	0 37	4 43	1 47	26 28	10 13	20 29	20 33	7 24	10 51	0 25
S 20	18 56	1 26	4 56	23 20	1 42	12 48	1 28	0 46	3 5	4 34	1 10	17 59	1 6	7 36	0 37	4 43	1 47	26 28	10 13	20 30	20 34	7 22	10 52	0 25
M21	18 41	3n47	5 15	23 7	1 46	12 20	1 27	0 44	3 7	4 38	1 10	17 57	1 6	7 36	0 37	4 44	1 47	26 27	10 13	20 30	20 35	7 20	10 52	0 25
T 22	18 26	8 41	5 15	22 53	1 50	11 52	1 26	0 42	3 8	4 41	1 10	17 55	1 6	7 35	0 37	4 44	1 47	26 27	10 13	20 30	20 35	7 18	10 52	0 25
W23	18 10	13 2	4 56	22 37	1 53	11 24	1 25	0 40	3 9	4 45	1 10	17 53	1 6	7 35	0 37	4 45	1 47	26 26	10 13	20 30	20 36	7 15	10 53	0 25
T 24	17 54	16 38	4 22	22 19	1 56	10 56	1 24	0 38	3 10	4 49	1 9	17 51	1 6	7 35	0 37	4 45	1 47	26 26	10 13	20 30	20 37	7 13	10 53	0 25
F 25	17 37	19 19	3 34	22 0	1 58	10 27	1 22	0 37	3 11	4 53	1 9	17 49	1 6	7 35	0 37	4 46	1 47	26 25	10 13	20 29	20 37	7 11	10 53	0 25
S 26	17 21	20 57	2 37	21 40	2 0	9 58	1 21	0 36	3 12	4 57	1 9	17 47	1 6	7 35	0 37	4 46	1 47	26 25	10 13	20 29	20 38	7 9	10 54	0 24
S 27	17 4	21 29	1 32	21 18	2 2	9 29	1 19	0 35	3 14	5 1	1 9	17 45	1 6	7 35	0 37	4 47	1 47	26 24	10 13	20 29	20 38	7 7	10 54	0 24
M28	16 46	20 56	0 25	20 54	2 3	8 59	1 18	0 34	3 15	5 5	1 9	17 43	1 6	7 35	0 37	4 47	1 47	26 24	10 13	20 29	20 39	7 4	10 55	0 24
T 29	16 29	19 23	0n43	20 28	2 4	8 29	1 16	0 34	3 16	5 10	1 8	17 41	1 6	7 34	0 37	4 48	1 47	26 23	10 13	20 29	20 40	7 2	10 55	0 24
W30	16 11	16 57	1 48	20 1	2 5	7 59	1 15	0 34	3 17	5 14	1 8	17 39	1 6	7 34	0 37	4 48	1 47	26 23	10 13	20 29	20 40	7 0	10 56	0 24
T 31	15s53	13n49	2n48	19s33	2s 5	7s29	1s13	0n34	3n18	5n18	1s 8	17s37	1s 7	7s34	0n37	4n49	1s47	26s22	10s13	20n29	20n41	6n58	10n56	0n24

Julian Day Number = 2104935.5, Delta T = 20m38s
Ecliptic obliquity = 23°33'39, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°30'43, Lahiri = 10°37'43 Julian Calendar 1 Jan. 1051 == Greg. Calendar 7 Jan. 1051

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1051
geocentric

FEBRUARY 1051 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 5 16	17♒49'28	12♍51	12♒49	15♓ 8	6♎12	16♈13	14♒40	20°R43	16♈21	14♒19	28°R50	27♋52	22♍16	27♈20	F 1
S 2	9 9 12	18°49'52	24°43	14°35	16°22	6°13	16°24	14°47	20♎42	16°23	14°21	28♋46	27°49	22°22	27°22	S 2
S 3	9 13 9	19°50'15	6♎33	16°23	17°35	6°R13	16°35	14°54	20°42	16°24	14°23	28°43	27°45	22°29	27°24	S 3
M 4	9 17 5	20°50'37	18°26	18°12	18°49	6°12	16°45	15° 1	20°41	16°26	14°24	28°40	27°42	22°36	27°26	M 4
T 5	9 21 2	21°50'56	0♏24	20° 2	20° 3	6°11	16°56	15° 9	20°40	16°27	14°26	28°37	27°39	22°42	27°28	T 5
W 6	9 24 58	22°51'15	12°31	21°52	21°17	6° 8	17° 7	15°16	20°39	16°28	14°28	28°35	27°36	22°49	27°30	W 6
T 7	9 28 55	23°51'31	24°51	23°44	22°30	6° 5	17°18	15°23	20°38	16°30	14°29	28°D35	27°33	22°56	27°32	T 7
F 8	9 32 52	24°51'47	7♐30	25°36	23°44	6° 2	17°30	15°30	20°37	16°32	14°31	28°35	27°29	23° 2	27°34	F 8
S 9	9 36 48	25°52'01	20°31	27°30	24°58	5°57	17°41	15°38	20°36	16°33	14°33	28°37	27°26	23° 9	27°36	S 9
S 10	9 40 45	26°52'13	3♑57	29°24	26°11	5°52	17°52	15°45	20°35	16°35	14°35	28°38	27°23	23°16	27°39	S 10
M11	9 44 41	27°52'24	17°50	1♓18	27°25	5°46	18° 4	15°52	20°34	16°36	14°36	28°40	27°20	23°22	27°41	M11
T 12	9 48 38	28°52'33	2♒11	3°14	28°38	5°39	18°16	15°59	20°32	16°38	14°38	28°R40	27°17	23°29	27°43	T 12
W13	9 52 34	29°52'40	16°55	5°10	29°51	5°31	18°27	16° 6	20°31	16°40	14°40	28°39	27°14	23°36	27°46	W13
T 14	9 56 31	0♓52'45	1♓57	7° 6	1♈ 5	5°23	18°39	16°13	20°30	16°41	14°41	28°36	27°10	23°43	27°48	T 14
F 15	10 0 27	1°52'49	17° 7	9° 2	2°18	5°14	18°51	16°21	20°28	16°43	14°43	28°32	27° 7	23°49	27°51	F 15
S 16	10 4 24	2°52'50	2♈17	10°59	3°31	5° 4	19° 3	16°28	20°27	16°45	14°45	28°27	27° 4	23°56	27°53	S 16
S 17	10 8 21	3°52'49	17°15	12°55	4°44	4°53	19°15	16°35	20°26	16°46	14°46	28°22	27° 1	24° 3	27°56	S 17
M18	10 12 17	4°52'46	1♉54	14°51	5°57	4°41	19°27	16°42	20°24	16°48	14°48	28°17	26°58	24° 9	27°58	M18
T 19	10 16 14	5°52'41	16° 9	16°46	7°10	4°29	19°39	16°49	20°23	16°50	14°50	28°14	26°54	24°16	28° 1	T 19
W20	10 20 10	6°52'34	29°59	18°40	8°23	4°16	19°52	16°56	20°21	16°52	14°51	28°12	26°51	24°23	28° 4	W20
T 21	10 24 7	7°52'24	13♊23	20°32	9°36	4° 2	20° 4	17° 3	20°19	16°54	14°53	28°D12	26°48	24°29	28° 6	T 21
F 22	10 28 3	8°52'12	26°23	22°23	10°49	3°48	20°16	17°10	20°18	16°56	14°54	28°13	26°45	24°36	28° 9	F 22
S 23	10 32 0	9°51'58	9♋ 5	24°11	12° 2	3°33	20°29	17°17	20°16	16°57	14°56	28°15	26°42	24°43	28°12	S 23
S 24	10 35 56	10°51'41	21°30	25°56	13°15	3°17	20°41	17°24	20°14	16°59	14°58	28°16	26°39	24°50	28°15	S 24
M25	10 39 53	11°51'23	3♌43	27°38	14°27	3° 0	20°54	17°31	20°12	17° 1	14°59	28°R16	26°35	24°56	28°18	M25
T 26	10 43 50	12°51'02	15°47	29°16	15°40	2°43	21° 7	17°37	20°11	17° 3	15° 1	28°14	26°32	25° 3	28°21	T 26
W27	10 47 46	13°50'38	27°46	0♈50	16°52	2°25	21°19	17°44	20° 9	17° 5	15° 2	28°11	26°29	25°10	28°24	W27
T 28	10 51 43	14♓50'13	9♍40	2♈19	18♈ 5	2♎ 7	21♈32	17♒51	20♎ 7	17♈ 7	15♒ 4	28♋ 4	26♋26	25♍16	28♈27	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	15s34	10n 9	3n39	19s 2	2s 4	6s59	1s11	0n34	3n19	5n22	1s 8	17s35	1s 7	7s34	0n37	4n49	1s47	26s22	10s13	20n30	20n42	6n56	10n57	0n24
S 2	15 15	6 6	4 21	18 30	2 4	6 28	1 9	0 35	3 20	5 27	1 7	17 33	1 7	7 33	0 37	4 50	1 47	26 22	10 13	20 31	20 42	6 54	10 58	0 24
S 3	14 56	1 51	4 52	17 57	2 2	5 58	1 7	0 36	3 21	5 31	1 7	17 31	1 7	7 33	0 37	4 51	1 47	26 21	10 13	20 31	20 43	6 51	10 58	0 24
M 4	14 37	2s29	5 10	17 22	2 1	5 27	1 5	0 37	3 22	5 35	1 7	17 29	1 7	7 33	0 37	4 51	1 46	26 21	10 14	20 32	20 44	6 49	10 59	0 24
T 5	14 18	6 46	5 14	16 45	1 58	4 56	1 3	0 38	3 23	5 40	1 7	17 26	1 7	7 32	0 37	4 52	1 46	26 20	10 14	20 33	20 44	6 47	10 59	0 24
W 6	13 58	10 49	5 5	16 7	1 56	4 25	1 1	0 40	3 24	5 44	1 7	17 24	1 7	7 32	0 37	4 52	1 46	26 20	10 14	20 33	20 45	6 45	11 0	0 23
T 7	13 38	14 31	4 42	15 27	1 52	3 53	0 59	0 42	3 25	5 49	1 6	17 22	1 7	7 32	0 37	4 53	1 46	26 19	10 14	20 33	20 45	6 43	11 1	0 23
F 8	13 18	17 39	4 5	14 45	1 48	3 22	0 57	0 44	3 26	5 53	1 6	17 20	1 7	7 31	0 37	4 54	1 46	26 19	10 14	20 33	20 46	6 40	11 1	0 23
S 9	12 58	19 59	3 14	14 2	1 44	2 51	0 54	0 47	3 27	5 58	1 6	17 18	1 7	7 31	0 37	4 54	1 46	26 18	10 14	20 33	20 47	6 38	11 2	0 23
S 10	12 37	21 19	2 12	13 17	1 39	2 19	0 52	0 50	3 27	6 2	1 6	17 16	1 7	7 30	0 37	4 55	1 46	26 18	10 14	20 32	20 47	6 36	11 3	0 23
M11	12 16	21 23	0 59	12 31	1 33	1 48	0 50	0 53	3 28	6 7	1 6	17 14	1 7	7 30	0 37	4 56	1 46	26 18	10 14	20 32	20 48	6 34	11 4	0 23
T 12	11 55	20 5	0s19	11 44	1 27	1 16	0 47	0 56	3 29	6 11	1 5	17 12	1 7	7 29	0 37	4 56	1 46	26 17	10 14	20 32	20 49	6 31	11 4	0 23
W13	11 34	17 24	1 38	10 55	1 21	0 44	0 45	1 0	3 30	6 16	1 5	17 10	1 8	7 29	0 37	4 57	1 46	26 17	10 14	20 32	20 49	6 29	11 5	0 23
T 14	11 13	13 30	2 52	10 5	1 13	0 13	0 42	1 4	3 30	6 21	1 5	17 8	1 8	7 28	0 37	4 58	1 46	26 16	10 15	20 33	20 50	6 27	11 6	0 23
F 15	10 52	8 42	3 54	9 14	1 5	0n19	0 40	1 8	3 31	6 25	1 5	17 6	1 8	7 28	0 37	4 58	1 46	26 16	10 15	20 34	20 50	6 25	11 7	0 23
S 16	10 30	3 22	4 40	8 21	0 57	0 51	0 37	1 13	3 31	6 30	1 5	17 4	1 8	7 27	0 37	4 59	1 46	26 16	10 15	20 35	20 51	6 23	11 7	0 22
S 17	10 8	2n 6	5 6	7 28	0 47	1 22	0 34	1 18	3 32	6 35	1 4	17 2	1 8	7 27	0 37	5 0	1 46	26 15	10 15	20 36	20 52	6 20	11 8	0 22
M18	9 46	7 20	5 11	6 34	0 38	1 54	0 31	1 23	3 32	6 40	1 4	17 0	1 8	7 26	0 37	5 0	1 46	26 15	10 15	20 37	20 52	6 18	11 9	0 22
T 19	9 24	12 1	4 56	5 40	0 27	2 25	0 29	1 28	3 33	6 44	1 4	16 57	1 8	7 26	0 37	5 1	1 46	26 14	10 15	20 37	20 53	6 16	11 10	0 22
W20	9 2	15 56	4 25	4 45	0 16	2 57	0 26	1 33	3 33	6 49	1 4	16 55	1 8	7 25	0 37	5 2	1 46	26 14	10 15	20 38	20 54	6 14	11 11	0 22
T 21	8 40	18 53	3 40	3 51	0 5	3 28	0 23	1 39	3 33	6 54	1 4	16 53	1 8	7 24	0 37	5 3	1 46	26 14	10 15	20 38	20 54	6 11	11 12	0 22
F 22	8 17	20 46	2 45	2 56	0n 7	4 0	0 20	1 45	3 34	6 59	1 4	16 51	1 8	7 24	0 37	5 3	1 46	26 13	10 16	20 37	20 55	6 9	11 13	0 22
S 23	7 55	21 33	1 42	2 2	0 19	4 31	0 17	1 51	3 34	7 4	1 3	16 49	1 9	7 23	0 37	5 4	1 46	26 13	10 16	20 37	20 55	6 7	11 14	0 22
S 24	7 32	21 14	0 37	1 9	0 32	5 2	0 14	1 58	3 34	7 9	1 3	16 47	1 9	7 22	0 37	5 5	1 46	26 13	10 16	20 37	20 56	6 5	11 15	0 22
M25	7 9	19 54	0n30	0 16	0 44	5 34	0 11	2 4	3 34	7 13	1 3	16 45	1 9	7 22	0 37	5 6	1 46	26 12	10 16	20 37	20 57	6 2	11 16	0 22
T 26	6 46	17 40	1 33	0n35	0 57	6 5	0 8	2 11	3 34	7 18	1 3	16 43	1 9	7 21	0 37	5 6	1 46	26 12	10 16	20 37	20 57	6 0	11 17	0 22
W27	6 23	14 42	2 33	1 24	1 10	6 35	0 5	2 18	3 34	7 23	1 3	16 41	1 9	7 20	0 37	5 7	1 46	26 12	10 16	20 38	20 58	5 58	11 18	0 22
T 28	6s 0	11n 8	3n24	2n12	1n23	7n 6	0s 1	2n25	3n33	7n28	1s 3	16s39	1s 9	7s19	0n37	5n 8	1s46	26s11	10s17	20n39	20n58	5n56	11n19	0n21

Julian Day Number = 2104966.5, Delta T = 20m37s
Ecliptic obliquity = 23°33'40, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°30'47, Lahiri = 10°37'48 Julian Calendar 1 Feb. 1051 == Greg. Calendar 7 Feb. 1051

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1051
geocentric

MARCH 1051 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 55 39	15♓49'45	21♍32	3♈43	19♈17	1°R48	21♈45	17♒58	20°R 5	17♈ 9	15♒ 5	27°R56	26♋23	25♍23	28♈30	F 1
S 2	10 59 36	16°49'16	3♎23	5° 2	20°29	1♎29	21°58	18° 4	20♎ 3	17°11	15° 7	27♋47	26°20	25°30	28°33	S 2
S 3	11 3 32	17°48'44	15°16	6°14	21°41	1° 9	22°11	18°11	20° 1	17°13	15° 8	27°37	26°16	25°37	28°36	S 3
M 4	11 7 29	18°48'11	27°12	7°20	22°53	0°48	22°24	18°18	19°59	17°15	15°10	27°28	26°13	25°43	28°39	M 4
T 5	11 11 25	19°47'36	9♏12	8°20	24° 5	0°27	22°37	18°24	19°57	17°17	15°11	27°20	26°10	25°50	28°42	T 5
W 6	11 15 22	20°46'58	21°21	9°13	25°17	0° 6	22°50	18°31	19°55	17°19	15°13	27°13	26° 7	25°57	28°45	W 6
T 7	11 19 18	21°46'19	3♐41	9°58	26°29	29♍44	23° 4	18°37	19°53	17°21	15°14	27° 9	26° 4	26° 3	28°49	T 7
F 8	11 23 15	22°45'38	16°16	10°37	27°41	29°22	23°17	18°44	19°51	17°23	15°16	27° 7	26° 0	26°10	28°52	F 8
S 9	11 27 12	23°44'56	29°11	11° 7	28°53	29° 0	23°30	18°50	19°48	17°25	15°17	27°D 7	25°57	26°17	28°55	S 9
S 10	11 31 8	24°44'12	12♑28	11°31	0♉ 4	28°37	23°44	18°57	19°46	17°28	15°19	27° 8	25°54	26°23	28°58	S 10
M11	11 35 5	25°43'25	26°12	11°47	1°16	28°15	23°57	19° 3	19°44	17°30	15°20	27°R 9	25°51	26°30	29° 2	M11
T 12	11 39 1	26°42'37	10♒24	11°56	2°27	27°52	24°10	19° 9	19°42	17°32	15°21	27° 8	25°48	26°37	29° 5	T 12
W13	11 42 58	27°41'47	25° 2	11°R57	3°39	27°28	24°24	19°16	19°39	17°34	15°23	27° 5	25°45	26°44	29° 9	W13
T 14	11 46 54	28°40'56	10♓ 3	11°51	4°50	27° 5	24°37	19°22	19°37	17°36	15°24	27° 0	25°41	26°50	29°12	T 14
F 15	11 50 51	29°40'02	25°18	11°39	6° 1	26°42	24°51	19°28	19°35	17°38	15°25	26°52	25°38	26°57	29°16	F 15
S 16	11 54 47	0♈39'06	10♈37	11°20	7°12	26°19	25° 5	19°34	19°32	17°40	15°27	26°43	25°35	27° 4	29°19	S 16
S 17	11 58 44	1°38'08	25°49	10°56	8°23	25°56	25°18	19°40	19°30	17°43	15°28	26°33	25°32	27°10	29°23	S 17
M18	12 2 41	2°37'08	10♉43	10°26	9°34	25°33	25°32	19°46	19°28	17°45	15°29	26°24	25°29	27°17	29°26	M18
T 19	12 6 37	3°36'05	25°12	9°52	10°45	25°10	25°46	19°52	19°25	17°47	15°30	26°17	25°26	27°24	29°30	T 19
W20	12 10 34	4°35'00	9♊12	9°13	11°56	24°47	26° 0	19°58	19°23	17°49	15°32	26°12	25°22	27°30	29°33	W20
T 21	12 14 30	5°33'53	22°42	8°32	13° 6	24°25	26°13	20° 4	19°20	17°51	15°33	26° 9	25°19	27°37	29°37	T 21
F 22	12 18 27	6°32'44	5♋45	7°48	14°17	24° 3	26°27	20°10	19°18	17°54	15°34	26°D 9	25°16	27°44	29°41	F 22
S 23	12 22 23	7°31'32	18°24	7° 3	15°27	23°41	26°41	20°15	19°15	17°56	15°35	26° 9	25°13	27°51	29°44	S 23
S 24	12 26 20	8°30'18	0♌45	6°18	16°38	23°20	26°55	20°21	19°13	17°58	15°36	26°R 9	25°10	27°57	29°48	S 24
M25	12 30 16	9°29'02	12°52	5°33	17°48	22°59	27° 9	20°27	19°10	18° 0	15°38	26° 8	25° 6	28° 4	29°52	M25
T 26	12 34 13	10°27'44	24°50	4°49	18°58	22°38	27°23	20°32	19° 8	18° 3	15°39	26° 4	25° 3	28°11	29°55	T 26
W27	12 38 10	11°26'23	6♍42	4° 7	20° 8	22°18	27°37	20°38	19° 5	18° 5	15°40	25°58	25° 0	28°17	29°59	W27
T 28	12 42 6	12°25'00	18°32	3°27	21°18	21°58	27°51	20°43	19° 3	18° 7	15°41	25°49	24°57	28°24	0♉ 3	T 28
F 29	12 46 3	13°23'35	0♎23	2°51	22°28	21°39	28° 5	20°49	19° 0	18° 9	15°42	25°38	24°54	28°31	0° 6	F 29
S 30	12 49 59	14°22'08	12°16	2°19	23°37	21°21	28°19	20°54	18°58	18°12	15°43	25°25	24°51	28°38	0°10	S 30
S 31	12 53 56	15♈20'39	24♎14	1♈51	24♉47	21♍ 3	28♈33	20♒59	18♎55	18♈14	15♒44	25♋11	24♋47	28♍44	0♉14	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5s37	7n 9	4n 7	2n57	1n36	7n37	0n 2	2n32	3n33	7n33	1s 2	16s37	1s 9	7s19	0n37	5n 9	1s46	26s11	10s17	20n41	20n59	5n53	11n20	0n21
S 2	5 14	2 55	4 39	3 40	1 49	8 7	0 5	2 40	3 33	7 38	1 2	16 35	1 9	7 18	0 37	5 10	1 45	26 11	10 17	20 43	21 0	5 51	11 21	0 21
S 3	4 50	1s27	4 59	4 21	2 1	8 37	0 8	2 47	3 32	7 43	1 2	16 33	1 9	7 17	0 37	5 10	1 45	26 11	10 17	20 45	21 0	5 49	11 22	0 21
M 4	4 27	5 46	5 6	4 58	2 13	9 7	0 11	2 55	3 32	7 48	1 2	16 31	1 10	7 16	0 37	5 11	1 45	26 10	10 17	20 46	21 1	5 47	11 23	0 21
T 5	4 4	9 54	5 0	5 32	2 24	9 37	0 15	3 3	3 31	7 53	1 2	16 30	1 10	7 16	0 38	5 12	1 45	26 10	10 18	20 48	21 1	5 44	11 24	0 21
W 6	3 40	13 41	4 40	6 3	2 35	10 7	0 18	3 10	3 30	7 58	1 2	16 28	1 10	7 15	0 38	5 13	1 45	26 10	10 18	20 49	21 2	5 42	11 25	0 21
T 7	3 17	16 58	4 7	6 30	2 45	10 36	0 21	3 18	3 30	8 3	1 2	16 26	1 10	7 14	0 38	5 14	1 45	26 9	10 18	20 50	21 3	5 40	11 26	0 21
F 8	2 53	19 31	3 21	6 53	2 54	11 5	0 25	3 26	3 29	8 8	1 1	16 24	1 10	7 13	0 38	5 14	1 45	26 9	10 18	20 50	21 3	5 38	11 27	0 21
S 9	2 30	21 10	2 24	7 13	3 2	11 34	0 28	3 34	3 28	8 13	1 1	16 22	1 10	7 12	0 38	5 15	1 45	26 9	10 18	20 50	21 4	5 35	11 28	0 21
S 10	2 6	21 41	1 18	7 28	3 9	12 2	0 31	3 42	3 27	8 19	1 1	16 20	1 10	7 11	0 38	5 16	1 45	26 9	10 19	20 50	21 4	5 33	11 29	0 21
M11	1 42	20 56	0 5	7 40	3 15	12 31	0 35	3 50	3 25	8 24	1 1	16 18	1 10	7 11	0 38	5 17	1 45	26 8	10 19	20 50	21 5	5 31	11 30	0 20
T 12	1 19	18 51	1s10	7 47	3 19	12 59	0 38	3 58	3 24	8 29	1 1	16 16	1 11	7 10	0 38	5 18	1 45	26 8	10 19	20 50	21 6	5 28	11 31	0 20
W13	0 55	15 29	2 23	7 51	3 22	13 27	0 41	4 6	3 23	8 34	1 1	16 14	1 11	7 9	0 38	5 19	1 45	26 8	10 19	20 51	21 6	5 26	11 33	0 20
T 14	0 32	11 3	3 28	7 50	3 24	13 54	0 45	4 14	3 21	8 39	1 1	16 13	1 11	7 8	0 38	5 19	1 45	26 8	10 20	20 52	21 7	5 24	11 34	0 20
F 15	0 8	5 50	4 19	7 45	3 24	14 21	0 48	4 22	3 20	8 44	1 0	16 11	1 11	7 7	0 38	5 20	1 45	26 8	10 20	20 53	21 7	5 22	11 35	0 20
S 16	0n16	0 15	4 52	7 36	3 22	14 48	0 51	4 30	3 18	8 49	1 0	16 9	1 11	7 6	0 38	5 21	1 45	26 7	10 20	20 55	21 8	5 19	11 36	0 20
S 17	0 39	5n19	5 3	7 23	3 19	15 14	0 55	4 38	3 17	8 54	1 0	16 7	1 11	7 5	0 38	5 22	1 45	26 7	10 20	20 57	21 9	5 17	11 37	0 20
M18	1 3	10 28	4 54	7 7	3 14	15 40	0 58	4 45	3 15	8 59	1 0	16 5	1 11	7 4	0 38	5 23	1 45	26 7	10 20	20 59	21 9	5 15	11 38	0 20
T 19	1 26	14 52	4 26	6 48	3 7	16 6	1 2	4 53	3 13	9 4	1 0	16 4	1 12	7 3	0 38	5 24	1 45	26 7	10 21	21 0	21 10	5 12	11 40	0 20
W20	1 50	18 17	3 43	6 25	2 59	16 31	1 5	5 0	3 11	9 10	1 0	16 2	1 12	7 3	0 38	5 25	1 45	26 7	10 21	21 1	21 10	5 10	11 41	0 20
T 21	2 13	20 34	2 48	6 0	2 50	16 56	1 8	5 7	3 9	9 15	1 0	16 0	1 12	7 2	0 38	5 25	1 45	26 7	10 21	21 2	21 11	5 8	11 42	0 20
F 22	2 37	21 40	1 46	5 32	2 39	17 21	1 12	5 14	3 7	9 20	1 0	15 58	1 12	7 1	0 38	5 26	1 45	26 7	10 21	21 2	21 12	5 5	11 43	0 20
S 23	3 0	21 37	0 41	5 3	2 27	17 45	1 15	5 21	3 5	9 25	1 0	15 57	1 12	7 0	0 38	5 27	1 45	26 6	10 22	21 2	21 12	5 3	11 44	0 20
S 24	3 23	20 29	0n24	4 33	2 13	18 8	1 18	5 27	3 3	9 30	0 59	15 55	1 12	6 59	0 38	5 28	1 45	26 6	10 22	21 2	21 13	5 1	11 46	0 19
M25	3 47	18 26	1 28	4 2	1 59	18 32	1 21	5 34	3 0	9 35	0 59	15 53	1 12	6 58	0 38	5 29	1 45	26 6	10 22	21 2	21 13	4 58	11 47	0 19
T 26	4 10	15 36	2 26	3 30	1 44	18 54	1 25	5 40	2 58	9 40	0 59	15 52	1 13	6 57	0 38	5 30	1 45	26 6	10 23	21 3	21 14	4 56	11 48	0 19
W27	4 33	12 9	3 17	2 59	1 28	19 17	1 28	5 45	2 56	9 45	0 59	15 50	1 13	6 56	0 38	5 31	1 45	26 6	10 23	21 4	21 14	4 54	11 49	0 19
T 28	4 56	8 14	4 0	2 28	1 12	19 38	1 31	5 51	2 53	9 51	0 59	15 49	1 13	6 55	0 38	5 31	1 45	26 6	10 23	21 5	21 15	4 52	11 51	0 19
F 29	5 19	4 0	4 32	1 59	0 55	20 0	1 34	5 56	2 51	9 56	0 59	15 47	1 13	6 54	0 38	5 32	1 45	26 6	10 23	21 7	21 16	4 49	11 52	0 19
S 30	5 42	0s24	4 52	1 31	0 38	20 21	1 37	6 1	2 48	10 1	0 59	15 45	1 13	6 53	0 38	5 33	1 45	26 6	10 24	21 10	21 16	4 47	11 53	0 19
S 31	6n 4	4s48	5n 0	1n 4	0n22	20n41	1n40	6n 6	2n46	10n 6	0s59	15s44	1s13	6s52	0n38	5n34	1s45	26s 6	10s24	21n12	21n17	4n45	11n54	0n19

Julian Day Number = 2104994.5, Delta T = 20m37s
Ecliptic obliquity = 23°33'41, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°30'51, Lahiri = 10°37'51 Julian Calendar 1 March 1051 == Greg. Calendar 7 March 1051

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1051
geocentric

APRIL 1051 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 57 52	16♈19'08	6♏16	1°R27	25♉56	20°R46	28♈47	21♒ 4	18°R53	18♈16	15♒45	24°R57	24♋44	28♍51	0♉18	M 1
T 2	13 1 49	17°17'35	18°25	1♈ 8	27° 5	20♍29	29° 1	21° 9	18♎50	18°18	15°46	24♋45	24°41	28°58	0°22	T 2
W 3	13 5 45	18°16'00	0♐41	0°54	28°14	20°13	29°15	21°14	18°48	18°21	15°47	24°36	24°38	29° 4	0°25	W 3
T 4	13 9 42	19°14'24	13° 8	0°45	29°23	19°58	29°30	21°19	18°45	18°23	15°48	24°29	24°35	29°11	0°29	T 4
F 5	13 13 38	20°12'46	25°47	0°D41	0♊32	19°44	29°44	21°24	18°42	18°25	15°49	24°25	24°31	29°18	0°33	F 5
S 6	13 17 35	21°11'07	8♑42	0°42	1°41	19°30	29°58	21°29	18°40	18°28	15°50	24°23	24°28	29°25	0°37	S 6
S 7	13 21 32	22° 9'26	21°55	0°47	2°50	19°17	0♉12	21°34	18°37	18°30	15°51	24°23	24°25	29°31	0°41	S 7
M 8	13 25 28	23° 7'44	5♒31	0°58	3°58	19° 4	0°26	21°39	18°35	18°32	15°51	24°23	24°22	29°38	0°45	M 8
T 9	13 29 25	24° 6'00	19°31	1°14	5° 6	18°53	0°40	21°43	18°32	18°34	15°52	24°22	24°19	29°45	0°48	T 9
W10	13 33 21	25° 4'14	3♓56	1°34	6°14	18°42	0°55	21°48	18°30	18°37	15°53	24°18	24°16	29°51	0°52	W10
T 11	13 37 18	26° 2'27	18°42	1°58	7°23	18°32	1° 9	21°52	18°27	18°39	15°54	24°12	24°12	29°58	0°56	T 11
F 12	13 41 14	27° 0'38	3♈45	2°27	8°30	18°23	1°23	21°57	18°25	18°41	15°55	24° 3	24° 9	0♎ 5	1° 0	F 12
S 13	13 45 11	27°58'47	18°56	3° 0	9°38	18°15	1°37	22° 1	18°22	18°43	15°55	23°53	24° 6	0°11	1° 4	S 13
S 14	13 49 7	28°56'55	4♉ 4	3°37	10°46	18° 7	1°52	22° 5	18°20	18°46	15°56	23°42	24° 3	0°18	1° 8	S 14
M15	13 53 4	29°55'01	18°59	4°18	11°53	18° 0	2° 6	22° 9	18°17	18°48	15°57	23°31	24° 0	0°25	1°12	M15
T 16	13 57 1	0♉53'06	3♊32	5° 2	13° 0	17°54	2°20	22°14	18°15	18°50	15°57	23°22	23°57	0°32	1°16	T 16
W17	14 0 57	1°51'08	17°38	5°50	14° 7	17°49	2°34	22°18	18°12	18°52	15°58	23°16	23°53	0°38	1°20	W17
T 18	14 4 54	2°49'09	1♋14	6°41	15°14	17°45	2°49	22°21	18°10	18°54	15°59	23°13	23°50	0°45	1°23	T 18
F 19	14 8 50	3°47'08	14°22	7°36	16°21	17°41	3° 3	22°25	18° 7	18°57	15°59	23°11	23°47	0°52	1°27	F 19
S 20	14 12 47	4°45'05	27° 5	8°33	17°28	17°38	3°17	22°29	18° 5	18°59	16° 0	23°D11	23°44	0°58	1°31	S 20
S 21	14 16 43	5°43'00	9♌28	9°34	18°34	17°36	3°31	22°33	18° 2	19° 1	16° 0	23°R11	23°41	1° 5	1°35	S 21
M22	14 20 40	6°40'53	21°35	10°38	19°40	17°35	3°46	22°36	18° 0	19° 3	16° 1	23°10	23°37	1°12	1°39	M22
T 23	14 24 36	7°38'45	3♍32	11°44	20°46	17°D35	4° 0	22°40	17°58	19° 5	16° 1	23° 7	23°34	1°19	1°43	T 23
W24	14 28 33	8°36'34	15°23	12°54	21°52	17°35	4°14	22°43	17°55	19° 8	16° 2	23° 2	23°31	1°25	1°47	W24
T 25	14 32 30	9°34'22	27°14	14° 6	22°57	17°36	4°28	22°47	17°53	19°10	16° 2	22°54	23°28	1°32	1°51	T 25
F 26	14 36 26	10°32'08	9♎ 6	15°20	24° 3	17°38	4°42	22°50	17°51	19°12	16° 2	22°44	23°25	1°39	1°54	F 26
S 27	14 40 23	11°29'53	21° 3	16°37	25° 8	17°41	4°57	22°53	17°48	19°14	16° 3	22°32	23°22	1°45	1°58	S 27
S 28	14 44 19	12°27'36	3♏ 7	17°57	26°13	17°44	5°11	22°56	17°46	19°16	16° 3	22°20	23°18	1°52	2° 2	S 28
M29	14 48 16	13°25'17	15°19	19°19	27°17	17°48	5°25	22°59	17°44	19°18	16° 4	22° 7	23°15	1°59	2° 6	M29
T 30	14 52 12	14♉22'58	27♏40	20♈43	28♊22	17♍53	5♉39	23♒ 2	17♎42	19♈20	16♒ 4	21♋57	23♋12	2♎ 6	2♉10	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	6n27	9s 3	4n54	0n40	0n 6	21n 1	1n44	6n10	2n43	10n11	0s59	15s42	1s14	6s51	0n38	5n35	1s45	26s 6	10s24	21n15	21n17	4n42	11n56	0n19
T 2	6 49	12 59	4 35	0 18	0s10	21 20	1 47	6 15	2 40	10 16	0 59	15 41	1 14	6 50	0 38	5 36	1 45	26 6	10 24	21 17	21 18	4 40	11 57	0 19
W 3	7 12	16 26	4 3	0s 2	0 26	21 39	1 50	6 18	2 38	10 21	0 58	15 39	1 14	6 49	0 38	5 37	1 45	26 6	10 25	21 19	21 18	4 38	11 58	0 19
T 4	7 34	19 12	3 19	0 20	0 41	21 57	1 52	6 22	2 35	10 26	0 58	15 38	1 14	6 48	0 38	5 37	1 45	26 6	10 25	21 20	21 19	4 35	11 59	0 19
F 5	7 56	21 5	2 25	0 34	0 55	22 15	1 55	6 25	2 32	10 31	0 58	15 37	1 14	6 47	0 38	5 38	1 45	26 6	10 25	21 21	21 20	4 33	12 1	0 19
S 6	8 18	21 55	1 22	0 47	1 9	22 32	1 58	6 28	2 30	10 36	0 58	15 35	1 14	6 46	0 38	5 39	1 45	26 6	10 26	21 21	21 20	4 31	12 2	0 18
S 7	8 40	21 33	0 13	0 56	1 22	22 48	2 1	6 31	2 27	10 42	0 58	15 34	1 15	6 45	0 38	5 40	1 45	26 6	10 26	21 21	21 21	4 28	12 3	0 18
M 8	9 2	19 56	0s59	1 3	1 34	23 4	2 4	6 33	2 24	10 47	0 58	15 32	1 15	6 44	0 38	5 41	1 45	26 6	10 26	21 21	21 21	4 26	12 5	0 18
T 9	9 24	17 4	2 9	1 7	1 46	23 20	2 6	6 35	2 21	10 52	0 58	15 31	1 15	6 43	0 38	5 42	1 45	26 6	10 26	21 21	21 22	4 24	12 6	0 18
W10	9 45	13 6	3 13	1 9	1 56	23 35	2 9	6 37	2 19	10 57	0 58	15 30	1 15	6 42	0 38	5 43	1 45	26 6	10 27	21 22	21 22	4 21	12 7	0 18
T 11	10 6	8 15	4 5	1 9	2 6	23 49	2 11	6 38	2 16	11 2	0 58	15 28	1 15	6 41	0 38	5 43	1 45	26 6	10 27	21 23	21 23	4 19	12 8	0 18
F 12	10 28	2 48	4 42	1 5	2 15	24 2	2 14	6 39	2 13	11 7	0 58	15 27	1 15	6 40	0 38	5 44	1 45	26 6	10 27	21 24	21 23	4 17	12 10	0 18
S 13	10 49	2n50	4 59	1 0	2 24	24 15	2 16	6 40	2 10	11 12	0 58	15 26	1 16	6 40	0 38	5 45	1 45	26 6	10 28	21 26	21 24	4 14	12 11	0 18
S 14	11 9	8 18	4 55	0 52	2 31	24 28	2 19	6 41	2 8	11 17	0 58	15 25	1 16	6 39	0 37	5 46	1 45	26 6	10 28	21 28	21 25	4 12	12 12	0 18
M15	11 30	13 12	4 32	0 42	2 38	24 39	2 21	6 41	2 5	11 22	0 58	15 24	1 16	6 38	0 37	5 47	1 45	26 6	10 28	21 30	21 25	4 9	12 14	0 18
T 16	11 50	17 12	3 50	0 30	2 44	24 50	2 23	6 41	2 2	11 27	0 58	15 22	1 16	6 37	0 37	5 48	1 45	26 6	10 29	21 32	21 26	4 7	12 15	0 18
W17	12 11	20 4	2 56	0 16	2 49	25 1	2 25	6 40	1 59	11 32	0 57	15 21	1 16	6 36	0 37	5 48	1 45	26 6	10 29	21 33	21 26	4 5	12 16	0 18
T 18	12 31	21 40	1 53	0n 1	2 54	25 11	2 27	6 39	1 57	11 37	0 57	15 20	1 17	6 35	0 37	5 49	1 45	26 6	10 29	21 33	21 27	4 2	12 17	0 18
F 19	12 51	22 1	0 46	0 19	2 57	25 20	2 29	6 38	1 54	11 42	0 57	15 19	1 17	6 34	0 37	5 50	1 45	26 6	10 30	21 34	21 27	4 0	12 19	0 17
S 20	13 10	21 11	0n21	0 39	3 0	25 28	2 31	6 37	1 51	11 46	0 57	15 18	1 17	6 33	0 37	5 51	1 45	26 6	10 30	21 34	21 28	3 58	12 20	0 17
S 21	13 30	19 21	1 25	1 1	3 2	25 36	2 33	6 35	1 48	11 51	0 57	15 17	1 17	6 32	0 37	5 52	1 45	26 7	10 30	21 34	21 28	3 55	12 21	0 17
M22	13 49	16 39	2 24	1 25	3 4	25 44	2 35	6 33	1 46	11 56	0 57	15 16	1 17	6 31	0 37	5 53	1 45	26 7	10 30	21 34	21 29	3 53	12 23	0 17
T 23	14 8	13 19	3 16	1 50	3 5	25 50	2 36	6 31	1 43	12 1	0 57	15 15	1 17	6 30	0 37	5 53	1 45	26 7	10 31	21 34	21 30	3 51	12 24	0 17
W24	14 27	9 28	3 59	2 17	3 5	25 56	2 38	6 28	1 40	12 6	0 57	15 14	1 18	6 29	0 37	5 54	1 45	26 7	10 31	21 35	21 30	3 48	12 25	0 17
T 25	14 45	5 16	4 32	2 45	3 5	26 1	2 39	6 25	1 38	12 11	0 57	15 13	1 18	6 29	0 37	5 55	1 45	26 7	10 31	21 36	21 31	3 46	12 26	0 17
F 26	15 3	0 52	4 53	3 15	3 3	26 6	2 40	6 22	1 35	12 16	0 57	15 12	1 18	6 28	0 37	5 56	1 45	26 7	10 32	21 38	21 31	3 43	12 28	0 17
S 27	15 22	3s36	5 1	3 46	3 2	26 10	2 42	6 19	1 33	12 20	0 57	15 11	1 18	6 27	0 37	5 57	1 45	26 8	10 32	21 40	21 32	3 41	12 29	0 17
S 28	15 39	7 59	4 56	4 19	2 59	26 13	2 43	6 15	1 30	12 25	0 57	15 11	1 18	6 26	0 37	5 57	1 45	26 8	10 32	21 42	21 32	3 39	12 30	0 17
M29	15 57	12 5	4 37	4 53	2 56	26 16	2 44	6 11	1 28	12 30	0 57	15 10	1 19	6 25	0 37	5 58	1 45	26 8	10 33	21 44	21 33	3 36	12 32	0 17
T 30	16n14	15s45	4n 6	5n28	2s53	26n18	2n45	6n 7	1n25	12n35	0s57	15s 9	1s19	6s24	0n37	5n59	1s45	26s 8	10s33	21n46	21n33	3n34	12n33	0n17

Julian Day Number = 2105025.5, Delta T = 20m37s
Ecliptic obliquity = 23°33'41, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°30'55, Lahiri = 10°37'56 Julian Calendar 1 Apr. 1051 == Greg. Calendar 7 Apr. 1051

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1051
geocentric

MAY 1051 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 56 9	15♉20'37	10♐10	22♈10	29♊26	17♍58	5♉53	23♒ 5	17°R40	19♈22	16♒ 4	21°R48	23♋ 9	2♎12	2♉14	W 1
T 2	15 0 5	16°18'14	22°51	23°39	0♋30	18° 5	6° 7	23° 8	17♎37	19°24	16° 4	21♋42	23° 6	2°19	2°18	T 2
F 3	15 4 2	17°15'51	5♑43	25°11	1°33	18°11	6°21	23°10	17°35	19°26	16° 5	21°39	23° 3	2°26	2°21	F 3
S 4	15 7 59	18°13'27	18°48	26°45	2°37	18°19	6°35	23°13	17°33	19°29	16° 5	21°D38	22°59	2°32	2°25	S 4
S 5	15 11 55	19°11'02	2♒ 8	28°21	3°40	18°27	6°49	23°15	17°31	19°31	16° 5	21°38	22°56	2°39	2°29	S 5
M 6	15 15 52	20° 8'35	15°44	29°59	4°43	18°36	7° 3	23°18	17°29	19°33	16° 5	21°R38	22°53	2°46	2°33	M 6
T 7	15 19 48	21° 6'08	29°38	1♉41	5°45	18°45	7°17	23°20	17°27	19°35	16° 5	21°38	22°50	2°53	2°36	T 7
W 8	15 23 45	22° 3'40	13♓51	3°24	6°48	18°56	7°31	23°22	17°25	19°37	16° 5	21°36	22°47	2°59	2°40	W 8
T 9	15 27 41	23° 1'11	28°20	5° 9	7°50	19° 6	7°45	23°24	17°23	19°39	16° 6	21°32	22°43	3° 6	2°44	T 9
F 10	15 31 38	23°58'41	13♈ 3	6°57	8°51	19°18	7°59	23°26	17°21	19°40	16° 6	21°26	22°40	3°13	2°48	F 10
S 11	15 35 34	24°56'10	27°52	8°47	9°53	19°30	8°13	23°28	17°20	19°42	16° 6	21°18	22°37	3°19	2°51	S 11
S 12	15 39 31	25°53'39	12♉41	10°39	10°54	19°42	8°27	23°30	17°18	19°44	16°R 6	21°10	22°34	3°26	2°55	S 12
M13	15 43 28	26°51'06	27°21	12°34	11°55	19°55	8°41	23°32	17°16	19°46	16° 6	21° 1	22°31	3°33	2°59	M13
T 14	15 47 24	27°48'33	11♊43	14°30	12°55	20° 9	8°55	23°33	17°14	19°48	16° 6	20°55	22°28	3°40	3° 2	T 14
W15	15 51 21	28°45'59	25°44	16°29	13°55	20°23	9° 9	23°35	17°13	19°50	16° 5	20°50	22°24	3°46	3° 6	W15
T 16	15 55 17	29°43'23	9♋19	18°30	14°55	20°38	9°22	23°36	17°11	19°52	16° 5	20°47	22°21	3°53	3° 9	T 16
F 17	15 59 14	0♊40'47	22°28	20°33	15°54	20°53	9°36	23°37	17° 9	19°54	16° 5	20°D47	22°18	4° 0	3°13	F 17
S 18	16 3 10	1°38'09	5♌14	22°37	16°53	21° 9	9°50	23°39	17° 8	19°55	16° 5	20°48	22°15	4° 6	3°17	S 18
S 19	16 7 7	2°35'30	17°40	24°43	17°52	21°26	10° 3	23°40	17° 6	19°57	16° 5	20°49	22°12	4°13	3°20	S 19
M20	16 11 3	3°32'50	29°50	26°51	18°50	21°42	10°17	23°41	17° 5	19°59	16° 5	20°R50	22° 9	4°20	3°24	M20
T 21	16 15 0	4°30'09	11♍49	29° 0	19°48	22° 0	10°31	23°42	17° 3	20° 1	16° 5	20°49	22° 5	4°27	3°27	T 21
W22	16 18 57	5°27'27	23°42	1♊10	20°45	22°18	10°44	23°42	17° 2	20° 2	16° 4	20°48	22° 2	4°33	3°31	W22
T 23	16 22 53	6°24'44	5♎34	3°21	21°42	22°36	10°58	23°43	17° 0	20° 4	16° 4	20°44	21°59	4°40	3°34	T 23
F 24	16 26 50	7°21'59	17°29	5°33	22°38	22°55	11°11	23°44	16°59	20° 6	16° 4	20°38	21°56	4°47	3°37	F 24
S 25	16 30 46	8°19'15	29°30	7°44	23°34	23°14	11°24	23°44	16°58	20° 7	16° 3	20°32	21°53	4°54	3°41	S 25
S 26	16 34 43	9°16'29	11♏41	9°56	24°29	23°34	11°38	23°45	16°56	20° 9	16° 3	20°24	21°49	5° 0	3°44	S 26
M27	16 38 39	10°13'43	24° 4	12° 8	25°24	23°54	11°51	23°45	16°55	20°11	16° 3	20°17	21°46	5° 7	3°47	M27
T 28	16 42 36	11°10'56	6♐38	14°19	26°18	24°15	12° 4	23°45	16°54	20°12	16° 2	20°11	21°43	5°14	3°51	T 28
W29	16 46 32	12° 8'08	19°25	16°29	27°12	24°36	12°18	23°45	16°53	20°14	16° 2	20° 6	21°40	5°20	3°54	W29
T 30	16 50 29	13° 5'20	2♑26	18°39	28° 5	24°57	12°31	23°R45	16°52	20°15	16° 1	20° 3	21°37	5°27	3°57	T 30
F 31	16 54 26	14♊ 2'32	15♑38	20♊47	28♋57	25♍19	12♉44	23♒45	16♎51	20♈17	16♒ 1	20°D 2	21♋34	5♎34	4♉ 0	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n31	18s46	3n21	6n 4	2s49	26n19	2n45	6n 3	1n23	12n39	0s57	15s 8	1s19	6s24	0n37	6n 0	1s45	26s 8	10s33	21n47	21n34	3n32	12n34	0n17
T 2	16 48	20 55	2 27	6 42	2 44	26 20	2 46	5 58	1 20	12 44	0 57	15 7	1 19	6 23	0 37	6 0	1 45	26 9	10 34	21 48	21 34	3 29	12 35	0 17
F 3	17 4	22 3	1 24	7 20	2 38	26 20	2 47	5 53	1 18	12 49	0 57	15 7	1 19	6 22	0 37	6 1	1 46	26 9	10 34	21 49	21 35	3 27	12 37	0 17
S 4	17 21	21 59	0 15	8 0	2 33	26 19	2 47	5 48	1 15	12 54	0 57	15 6	1 20	6 21	0 37	6 2	1 46	26 9	10 34	21 49	21 35	3 24	12 38	0 16
S 5	17 37	20 42	0s56	8 40	2 26	26 18	2 47	5 42	1 13	12 58	0 57	15 6	1 20	6 20	0 37	6 3	1 46	26 9	10 35	21 49	21 36	3 22	12 39	0 16
M 6	17 52	18 11	2 5	9 21	2 19	26 16	2 48	5 37	1 11	13 3	0 57	15 5	1 20	6 20	0 37	6 3	1 46	26 10	10 35	21 49	21 37	3 20	12 40	0 16
T 7	18 8	14 36	3 8	10 3	2 12	26 14	2 48	5 31	1 8	13 7	0 57	15 4	1 20	6 19	0 37	6 4	1 46	26 10	10 35	21 49	21 37	3 17	12 42	0 16
W 8	18 23	10 6	4 2	10 46	2 4	26 11	2 48	5 25	1 6	13 12	0 57	15 4	1 21	6 18	0 37	6 5	1 46	26 10	10 36	21 49	21 38	3 15	12 43	0 16
T 9	18 37	4 57	4 41	11 29	1 56	26 7	2 47	5 19	1 4	13 17	0 57	15 3	1 21	6 17	0 37	6 6	1 46	26 10	10 36	21 50	21 38	3 12	12 44	0 16
F 10	18 52	0n33	5 2	12 13	1 47	26 2	2 47	5 12	1 1	13 21	0 57	15 3	1 21	6 17	0 37	6 6	1 46	26 11	10 36	21 51	21 39	3 10	12 45	0 16
S 11	19 6	6 3	5 3	12 57	1 38	25 58	2 47	5 5	0 59	13 26	0 57	15 2	1 21	6 16	0 37	6 7	1 46	26 11	10 37	21 52	21 39	3 8	12 46	0 16
S 12	19 20	11 13	4 44	13 42	1 28	25 52	2 46	4 58	0 57	13 30	0 57	15 2	1 21	6 15	0 37	6 8	1 46	26 11	10 37	21 53	21 40	3 5	12 48	0 16
M13	19 33	15 40	4 6	14 26	1 19	25 46	2 45	4 51	0 55	13 35	0 56	15 2	1 22	6 15	0 37	6 8	1 46	26 12	10 37	21 54	21 40	3 3	12 49	0 16
T 14	19 46	19 6	3 14	15 11	1 8	25 39	2 44	4 44	0 53	13 39	0 56	15 1	1 22	6 14	0 37	6 9	1 46	26 12	10 38	21 56	21 41	3 0	12 50	0 16
W15	19 59	21 19	2 10	15 55	0 58	25 32	2 43	4 36	0 51	13 43	0 56	15 1	1 22	6 14	0 37	6 10	1 46	26 12	10 38	21 56	21 41	2 58	12 51	0 16
T 16	20 12	22 13	1 1	16 40	0 48	25 24	2 42	4 28	0 49	13 48	0 56	15 1	1 22	6 13	0 37	6 10	1 46	26 13	10 38	21 57	21 42	2 55	12 52	0 16
F 17	20 24	21 50	0n 9	17 23	0 37	25 16	2 41	4 21	0 47	13 52	0 56	15 1	1 22	6 12	0 37	6 11	1 46	26 13	10 39	21 57	21 42	2 53	12 54	0 16
S 18	20 36	20 18	1 17	18 6	0 26	25 7	2 39	4 12	0 45	13 57	0 56	15 0	1 23	6 12	0 37	6 12	1 46	26 13	10 39	21 57	21 43	2 51	12 55	0 16
S 19	20 47	17 50	2 20	18 48	0 15	24 58	2 37	4 4	0 43	14 1	0 56	15 0	1 23	6 11	0 37	6 12	1 46	26 14	10 39	21 56	21 43	2 48	12 56	0 15
M20	20 58	14 37	3 15	19 29	0 4	24 48	2 36	3 56	0 41	14 5	0 56	15 0	1 23	6 11	0 37	6 13	1 46	26 14	10 40	21 56	21 44	2 46	12 57	0 15
T 21	21 9	10 52	4 0	20 9	0n 6	24 38	2 34	3 47	0 39	14 9	0 56	15 0	1 23	6 10	0 37	6 13	1 46	26 14	10 40	21 56	21 44	2 43	12 58	0 15
W22	21 19	6 43	4 35	20 47	0 17	24 27	2 31	3 38	0 37	14 14	0 56	15 0	1 23	6 10	0 37	6 14	1 46	26 15	10 40	21 57	21 45	2 41	12 59	0 15
T 23	21 29	2 20	4 58	21 23	0 27	24 15	2 29	3 29	0 35	14 18	0 56	15 0	1 24	6 9	0 37	6 15	1 46	26 15	10 40	21 57	21 45	2 39	13 0	0 15
F 24	21 39	2s 9	5 8	21 57	0 37	24 4	2 27	3 20	0 33	14 22	0 56	15 0	1 24	6 9	0 37	6 15	1 46	26 16	10 41	21 58	21 46	2 36	13 1	0 15
S 25	21 48	6 36	5 5	22 29	0 47	23 51	2 24	3 10	0 31	14 26	0 56	15 0	1 24	6 8	0 37	6 16	1 46	26 16	10 41	21 59	21 46	2 34	13 3	0 15
S 26	21 57	10 51	4 48	22 59	0 56	23 39	2 21	3 1	0 29	14 30	0 56	15 0	1 24	6 8	0 36	6 16	1 46	26 16	10 41	22 0	21 47	2 31	13 4	0 15
M27	22 6	14 44	4 17	23 26	1 5	23 26	2 18	2 51	0 27	14 34	0 56	15 0	1 25	6 7	0 36	6 17	1 46	26 17	10 42	22 1	21 47	2 29	13 5	0 15
T 28	22 14	18 1	3 34	23 51	1 13	23 12	2 15	2 41	0 26	14 38	0 56	15 0	1 25	6 7	0 36	6 18	1 46	26 17	10 42	22 2	21 48	2 26	13 6	0 15
W29	22 22	20 30	2 39	24 12	1 21	22 58	2 11	2 31	0 24	14 43	0 56	15 0	1 25	6 6	0 36	6 18	1 47	26 18	10 42	22 3	21 48	2 24	13 7	0 15
T 30	22 29	21 58	1 34	24 31	1 27	22 44	2 8	2 21	0 22	14 47	0 56	15 1	1 25	6 6	0 36	6 19	1 47	26 18	10 43	22 3	21 49	2 21	13 8	0 15
F 31	22n36	22s15	0n24	24n48	1n34	22n29	2n 4	2n11	0n20	14n50	0s56	15s 1	1s25	6s 6	0n36	6n19	1s47	26s18	10s43	22n 3	21n49	2n19	13n 9	0n15

Julian Day Number = 2105055.5, Delta T = 20m36s
Ecliptic obliquity = 23°33'40, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°30'59, Lahiri = 10°38'00 Julian Calendar 1 May 1051 == Greg. Calendar 7 May 1051

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1051
geocentric

JUNE 1051 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 58 22	14♊59'43	29♉ 3	22♊53	29♋49	25♍41	12♉57	23°R45	16°R50	20♈18	16°R 1	20♋ 2	21♋30	5♎41	4♉ 4	S 1
S 2	17 2 19	15°56'55	12♒39	24°59	0♌40	26° 4	13°10	23♒45	16♎49	20°20	16♒ 0	20° 3	21°27	5°47	4° 7	S 2
M 3	17 6 15	16°54'06	26°27	27° 2	1°31	26°27	13°23	23°44	16°48	20°21	15°59	20° 5	21°24	5°54	4°10	M 3
T 4	17 10 12	17°51'17	10♓26	29° 4	2°21	26°50	13°36	23°44	16°47	20°23	15°59	20° 6	21°21	6° 1	4°13	T 4
W 5	17 14 8	18°48'28	24°35	1♋ 4	3°10	27°14	13°49	23°43	16°47	20°24	15°58	20°R 6	21°18	6° 7	4°16	W 5
T 6	17 18 5	19°45'38	8♈52	3° 2	3°58	27°38	14° 1	23°43	16°46	20°26	15°58	20° 5	21°14	6°14	4°19	T 6
F 7	17 22 1	20°42'49	23°15	4°57	4°46	28° 2	14°14	23°42	16°45	20°27	15°57	20° 2	21°11	6°21	4°22	F 7
S 8	17 25 58	21°40'00	7♉40	6°51	5°33	28°27	14°27	23°41	16°45	20°28	15°57	19°59	21° 8	6°28	4°25	S 8
S 9	17 29 55	22°37'12	22° 2	8°43	6°19	28°52	14°39	23°40	16°44	20°29	15°56	19°55	21° 5	6°34	4°28	S 9
M10	17 33 51	23°34'23	6♊16	10°33	7° 4	29°18	14°52	23°39	16°43	20°31	15°55	19°51	21° 2	6°41	4°31	M10
T 11	17 37 48	24°31'34	20°16	12°20	7°48	29°43	15° 4	23°38	16°43	20°32	15°54	19°48	20°59	6°48	4°34	T 11
W12	17 41 44	25°28'45	4♋ 0	14° 6	8°32	0♎10	15°17	23°37	16°43	20°33	15°54	19°46	20°55	6°54	4°36	W12
T 13	17 45 41	26°25'56	17°24	15°49	9°14	0°36	15°29	23°35	16°42	20°34	15°53	19°D45	20°52	7° 1	4°39	T 13
F 14	17 49 37	27°23'07	0♌27	17°30	9°56	1° 3	15°41	23°34	16°42	20°35	15°52	19°46	20°49	7° 8	4°42	F 14
S 15	17 53 34	28°20'18	13°10	19° 9	10°36	1°30	15°54	23°32	16°42	20°37	15°51	19°47	20°46	7°15	4°44	S 15
S 16	17 57 31	29°17'29	25°36	20°46	11°16	1°57	16° 6	23°31	16°41	20°38	15°51	19°48	20°43	7°21	4°47	S 16
M17	18 1 27	0♋14'39	7♍47	22°21	11°54	2°25	16°18	23°29	16°41	20°39	15°50	19°50	20°40	7°28	4°50	M17
T 18	18 5 24	1°11'49	19°47	23°54	12°31	2°53	16°30	23°27	16°41	20°40	15°49	19°51	20°36	7°35	4°52	T 18
W19	18 9 20	2° 8'59	1♎42	25°24	13° 7	3°21	16°42	23°25	16°41	20°41	15°48	19°R51	20°33	7°41	4°55	W19
T 20	18 13 17	3° 6'09	13°35	26°52	13°41	3°50	16°53	23°23	16°D41	20°42	15°47	19°51	20°30	7°48	4°57	T 20
F 21	18 17 13	4° 3'19	25°32	28°18	14°14	4°19	17° 5	23°21	16°41	20°43	15°46	19°50	20°27	7°55	5° 0	F 21
S 22	18 21 10	5° 0'30	7♏36	29°42	14°46	4°48	17°17	23°19	16°41	20°44	15°45	19°48	20°24	8° 2	5° 2	S 22
S 23	18 25 6	5°57'40	19°51	1♐ 4	15°17	5°17	17°28	23°17	16°41	20°44	15°45	19°46	20°20	8° 8	5° 4	S 23
M24	18 29 3	6°54'50	2♐21	2°23	15°46	5°47	17°40	23°15	16°42	20°45	15°44	19°44	20°17	8°15	5° 7	M24
T 25	18 33 0	7°52'00	15° 7	3°40	16°13	6°17	17°51	23°12	16°42	20°46	15°43	19°43	20°14	8°22	5° 9	T 25
W26	18 36 56	8°49'11	28°10	4°54	16°39	6°47	18° 3	23°10	16°42	20°47	15°42	19°42	20°11	8°29	5°11	W26
T 27	18 40 53	9°46'22	11♑31	6° 6	17° 4	7°17	18°14	23° 7	16°42	20°48	15°41	19°41	20° 8	8°35	5°13	T 27
F 28	18 44 49	10°43'34	25° 7	7°16	17°26	7°48	18°25	23° 4	16°43	20°48	15°40	19°D41	20° 5	8°42	5°15	F 28
S 29	18 48 46	11°40'46	8♒58	8°23	17°47	8°19	18°36	23° 2	16°43	20°49	15°39	19°41	20° 1	8°49	5°17	S 29
S 30	18 52 42	12♋37'59	22♒59	9♌27	18♌ 6	8♎50	18♉47	22♒59	16♎44	20♈50	15♒38	19♋42	19♋58	8♎55	5♉19	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n43	21s15	0s49	25n 1	1n39	22n14	2n 0	2n 1	0n19	14n54	0s56	15s 1	1s26	6s 5	0n36	6n20	1s47	26s19	10s43	22n 3	21n50	2n17	13n10	0n15
S 2	22 49	19 1	2 0	25 12	1 44	21 59	1 55	1 50	0 17	14 58	0 56	15 1	1 26	6 5	0 36	6 20	1 47	26 19	10 44	22 3	21 50	2 14	13 11	0 15
M 3	22 55	15 40	3 6	25 20	1 48	21 44	1 51	1 39	0 15	15 2	0 57	15 2	1 26	6 5	0 36	6 21	1 47	26 20	10 44	22 3	21 51	2 12	13 12	0 14
T 4	23 0	11 24	4 1	25 25	1 51	21 28	1 46	1 28	0 14	15 6	0 57	15 2	1 26	6 4	0 36	6 21	1 47	26 20	10 44	22 3	21 51	2 9	13 13	0 14
W 5	23 5	6 29	4 42	25 27	1 54	21 12	1 42	1 18	0 12	15 10	0 57	15 2	1 26	6 4	0 36	6 22	1 47	26 21	10 44	22 3	21 52	2 7	13 14	0 14
T 6	23 10	1 10	5 7	25 27	1 56	20 55	1 36	1 6	0 11	15 14	0 57	15 3	1 27	6 4	0 36	6 22	1 47	26 21	10 45	22 3	21 52	2 4	13 15	0 14
F 7	23 14	4n15	5 12	25 25	1 57	20 39	1 31	0 55	0 9	15 17	0 57	15 3	1 27	6 4	0 36	6 23	1 47	26 22	10 45	22 3	21 53	2 2	13 16	0 14
S 8	23 18	9 26	4 58	25 20	1 58	20 22	1 26	0 44	0 7	15 21	0 57	15 4	1 27	6 3	0 36	6 23	1 47	26 22	10 45	22 4	21 53	1 59	13 17	0 14
S 9	23 21	14 6	4 25	25 13	1 57	20 5	1 20	0 32	0 6	15 25	0 57	15 4	1 27	6 3	0 36	6 23	1 47	26 22	10 46	22 5	21 54	1 57	13 18	0 14
M10	23 24	17 55	3 36	25 4	1 56	19 47	1 14	0 21	0 4	15 29	0 57	15 5	1 28	6 3	0 36	6 24	1 47	26 23	10 46	22 5	21 54	1 55	13 19	0 14
T 11	23 27	20 38	2 35	24 54	1 55	19 30	1 8	0 9	0 3	15 32	0 57	15 5	1 28	6 3	0 36	6 24	1 47	26 23	10 46	22 6	21 55	1 52	13 19	0 14
W12	23 29	22 5	1 26	24 41	1 53	19 12	1 1	0s 3	0 1	15 36	0 57	15 6	1 28	6 3	0 36	6 25	1 47	26 24	10 46	22 6	21 55	1 50	13 20	0 14
T 13	23 31	22 13	0 13	24 26	1 50	18 55	0 54	0 15	0s 0	15 39	0 57	15 7	1 28	6 3	0 36	6 25	1 47	26 24	10 47	22 6	21 56	1 47	13 21	0 14
F 14	23 32	21 7	0n59	24 10	1 46	18 37	0 47	0 27	0 2	15 43	0 57	15 7	1 28	6 3	0 36	6 25	1 47	26 25	10 47	22 6	21 56	1 45	13 22	0 14
S 15	23 33	18 57	2 5	23 52	1 42	18 19	0 40	0 39	0 3	15 46	0 57	15 8	1 29	6 3	0 36	6 26	1 47	26 25	10 47	22 6	21 57	1 42	13 23	0 14
S 16	23 34	15 57	3 5	23 33	1 38	18 1	0 33	0 51	0 4	15 50	0 57	15 9	1 29	6 3	0 36	6 26	1 47	26 26	10 47	22 5	21 57	1 40	13 24	0 14
M17	23 34	12 19	3 55	23 13	1 33	17 43	0 25	1 3	0 6	15 53	0 57	15 10	1 29	6 3	0 36	6 27	1 48	26 26	10 48	22 5	21 58	1 37	13 25	0 14
T 18	23 33	8 15	4 33	22 52	1 27	17 25	0 17	1 16	0 7	15 57	0 57	15 10	1 29	6 3	0 36	6 27	1 48	26 27	10 48	22 5	21 58	1 35	13 25	0 14
W19	23 33	3 54	5 0	22 29	1 21	17 6	0 9	1 28	0 8	16 0	0 57	15 11	1 29	6 3	0 36	6 27	1 48	26 27	10 48	22 5	21 59	1 32	13 26	0 13
T 20	23 31	0s34	5 14	22 6	1 14	16 48	0 0	1 41	0 10	16 3	0 57	15 12	1 30	6 3	0 36	6 27	1 48	26 28	10 48	22 5	21 59	1 30	13 27	0 13
F 21	23 30	5 3	5 14	21 42	1 7	16 30	0s 9	1 54	0 11	16 7	0 57	15 13	1 30	6 3	0 36	6 28	1 48	26 28	10 49	22 5	22 0	1 27	13 28	0 13
S 22	23 28	9 23	5 1	21 16	0 59	16 12	0 18	2 6	0 12	16 10	0 57	15 14	1 30	6 3	0 35	6 28	1 48	26 29	10 49	22 6	22 0	1 25	13 28	0 13
S 23	23 26	13 24	4 33	20 51	0 51	15 54	0 27	2 19	0 14	16 13	0 57	15 15	1 30	6 3	0 35	6 28	1 48	26 29	10 49	22 6	22 1	1 22	13 29	0 13
M24	23 23	16 56	3 53	20 25	0 42	15 37	0 37	2 32	0 15	16 16	0 57	15 16	1 30	6 3	0 35	6 29	1 48	26 30	10 49	22 6	22 1	1 20	13 30	0 13
T 25	23 20	19 45	3 0	19 58	0 33	15 19	0 46	2 45	0 16	16 19	0 57	15 17	1 31	6 3	0 35	6 29	1 48	26 30	10 50	22 6	22 2	1 18	13 31	0 13
W26	23 16	21 37	1 56	19 31	0 23	15 1	0 57	2 58	0 17	16 23	0 57	15 18	1 31	6 3	0 35	6 29	1 48	26 31	10 50	22 6	22 2	1 15	13 31	0 13
T 27	23 12	22 19	0 45	19 4	0 14	14 44	1 7	3 12	0 19	16 26	0 57	15 19	1 31	6 3	0 35	6 29	1 48	26 32	10 50	22 7	22 3	1 13	13 32	0 13
F 28	23 8	21 43	0s30	18 36	0 3	14 27	1 18	3 25	0 20	16 29	0 57	15 20	1 31	6 4	0 35	6 29	1 48	26 32	10 50	22 7	22 3	1 10	13 33	0 13
S 29	23 3	19 48	1 45	18 9	0s 7	14 10	1 29	3 38	0 21	16 32	0 57	15 21	1 31	6 4	0 35	6 30	1 48	26 33	10 50	22 6	22 4	1 8	13 33	0 13
S 30	22n57	16s40	2s54	17n41	0s18	13n54	1s40	3s52	0s22	16n35	0s58	15s22	1s31	6s 4	0n35	6n30	1s48	26s33	10s51	22n 6	22n 4	1n 5	13n34	0n13

Julian Day Number = 2105086.5, Delta T = 20m36s
Ecliptic obliquity = 23°33'40, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°31'04, Lahiri = 10°38'04 Julian Calendar 1 June 1051 == Greg. Calendar 7 June 1051

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1051
geocentric

JULY 1051 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 56 39	13♋35'12	7♓ 8	10♌28	18♌23	9♎21	18♉58	22°R56	16♎44	20♈50	15°R37	19♋43	19♋55	9♎ 2	5♉21	M 1
T 2	19 0 35	14°32'27	21°23	11°27	18°39	9°53	19° 9	22♒53	16°45	20°51	15♒35	19°43	19°52	9° 9	5°23	T 2
W 3	19 4 32	15°29'42	5♈39	12°22	18°52	10°25	19°19	22°50	16°46	20°51	15°34	19°43	19°49	9°16	5°25	W 3
T 4	19 8 29	16°26'58	19°54	13°14	19° 3	10°57	19°30	22°47	16°46	20°52	15°33	19°R43	19°46	9°22	5°27	T 4
F 5	19 12 25	17°24'15	4♉ 5	14° 3	19°12	11°29	19°40	22°43	16°47	20°52	15°32	19°43	19°42	9°29	5°29	F 5
S 6	19 16 22	18°21'33	18°10	14°49	19°19	12° 1	19°51	22°40	16°48	20°53	15°31	19°43	19°39	9°36	5°30	S 6
S 7	19 20 18	19°18'52	2♊ 6	15°31	19°24	12°34	20° 1	22°37	16°49	20°53	15°30	19°D43	19°36	9°42	5°32	S 7
M 8	19 24 15	20°16'12	15°52	16° 9	19°27	13° 7	20°11	22°33	16°50	20°54	15°29	19°43	19°33	9°49	5°34	M 8
T 9	19 28 11	21°13'33	29°26	16°44	19°R27	13°40	20°21	22°30	16°51	20°54	15°28	19°43	19°30	9°56	5°35	T 9
W10	19 32 8	22°10'56	12♋46	17°14	19°25	14°13	20°31	22°26	16°52	20°54	15°26	19°43	19°26	10° 3	5°37	W10
T 11	19 36 4	23° 8'19	25°51	17°40	19°21	14°47	20°41	22°23	16°53	20°55	15°25	19°R43	19°23	10° 9	5°38	T 11
F 12	19 40 1	24° 5'42	8♌41	18° 2	19°14	15°21	20°51	22°19	16°54	20°55	15°24	19°43	19°20	10°16	5°39	F 12
S 13	19 43 58	25° 3'07	21°15	18°19	19° 5	15°54	21° 0	22°15	16°55	20°55	15°23	19°43	19°17	10°23	5°41	S 13
S 14	19 47 54	26° 0'32	3♍36	18°32	18°54	16°29	21°10	22°12	16°57	20°55	15°22	19°42	19°14	10°30	5°42	S 14
M15	19 51 51	26°57'58	15°44	18°39	18°40	17° 3	21°19	22° 8	16°58	20°56	15°20	19°41	19°11	10°36	5°43	M15
T 16	19 55 47	27°55'25	27°44	18°R41	18°24	17°37	21°29	22° 4	16°59	20°56	15°19	19°40	19° 7	10°43	5°45	T 16
W17	19 59 44	28°52'53	9♎38	18°38	18° 6	18°12	21°38	22° 0	17° 1	20°56	15°18	19°39	19° 4	10°50	5°46	W17
T 18	20 3 40	29°50'22	21°31	18°30	17°45	18°47	21°47	21°56	17° 2	20°56	15°17	19°39	19° 1	10°56	5°47	T 18
F 19	20 7 37	0♌47'51	3♏27	18°17	17°22	19°22	21°56	21°52	17° 3	20°56	15°15	19°D38	18°58	11° 3	5°48	F 19
S 20	20 11 33	1°45'21	15°31	17°58	16°57	19°57	22° 4	21°48	17° 5	20°R56	15°14	19°39	18°55	11°10	5°49	S 20
S 21	20 15 30	2°42'53	27°46	17°33	16°30	20°33	22°13	21°43	17° 7	20°56	15°13	19°40	18°52	11°17	5°50	S 21
M22	20 19 27	3°40'25	10♐18	17° 4	16° 1	21° 8	22°22	21°39	17° 8	20°56	15°12	19°41	18°48	11°23	5°50	M22
T 23	20 23 23	4°37'58	23°10	16°30	15°31	21°44	22°30	21°35	17°10	20°56	15°10	19°42	18°45	11°30	5°51	T 23
W24	20 27 20	5°35'32	6♑23	15°52	14°59	22°20	22°38	21°31	17°12	20°56	15° 9	19°43	18°42	11°37	5°52	W24
T 25	20 31 16	6°33'08	19°59	15° 9	14°25	22°56	22°46	21°27	17°13	20°55	15° 8	19°R43	18°39	11°44	5°53	T 25
F 26	20 35 13	7°30'44	3♒56	14°23	13°50	23°32	22°54	21°22	17°15	20°55	15° 7	19°43	18°36	11°50	5°53	F 26
S 27	20 39 9	8°28'22	18°12	13°35	13°15	24° 9	23° 2	21°18	17°17	20°55	15° 5	19°42	18°32	11°57	5°54	S 27
S 28	20 43 6	9°26'01	2♓41	12°44	12°38	24°45	23°10	21°13	17°19	20°55	15° 4	19°39	18°29	12° 4	5°54	S 28
M29	20 47 2	10°23'42	17°18	11°53	12° 1	25°22	23°17	21° 9	17°21	20°55	15° 3	19°37	18°26	12°10	5°55	M29
T 30	20 50 59	11°21'24	1♈56	11° 2	11°24	25°59	23°25	21° 5	17°23	20°54	15° 1	19°34	18°23	12°17	5°55	T 30
W31	20 54 56	12♌19'08	16♈29	10♌12	10♌47	26♎36	23♉32	21♒ 0	17♎25	20♈54	15♒ 0	19♋32	18♋20	12♎24	5♉55	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n52	12s33	3s54	17n14	0s29	13n37	1s52	4s 5	0s23	16n38	0s58	15s23	1s32	6s 4	0n35	6n30	1s48	26s34	10s51	22n 6	22n 4	1n 3	13n34	0n13
T 2	22 46	7 42	4 39	16 47	0 41	13 21	2 4	4 19	0 25	16 40	0 58	15 24	1 32	6 5	0 35	6 30	1 48	26 34	10 51	22 6	22 5	1 0	13 35	0 13
W 3	22 39	2 27	5 7	16 20	0 53	13 6	2 16	4 32	0 26	16 43	0 58	15 25	1 32	6 5	0 35	6 30	1 49	26 35	10 51	22 6	22 5	0 58	13 35	0 13
T 4	22 33	2n56	5 17	15 54	1 5	12 51	2 28	4 46	0 27	16 46	0 58	15 27	1 32	6 5	0 35	6 31	1 49	26 35	10 51	22 6	22 6	0 55	13 36	0 12
F 5	22 25	8 8	5 7	15 28	1 17	12 36	2 40	5 0	0 28	16 49	0 58	15 28	1 32	6 5	0 35	6 31	1 49	26 36	10 52	22 6	22 6	0 53	13 37	0 12
S 6	22 18	12 52	4 39	15 3	1 30	12 22	2 53	5 13	0 29	16 52	0 58	15 29	1 33	6 6	0 35	6 31	1 49	26 36	10 52	22 6	22 7	0 50	13 37	0 12
S 7	22 10	16 52	3 54	14 38	1 42	12 8	3 6	5 27	0 30	16 54	0 58	15 30	1 33	6 6	0 35	6 31	1 49	26 37	10 52	22 6	22 7	0 48	13 38	0 12
M 8	22 1	19 53	2 57	14 14	1 55	11 54	3 19	5 41	0 31	16 57	0 58	15 32	1 33	6 7	0 35	6 31	1 49	26 37	10 52	22 6	22 8	0 45	13 38	0 12
T 9	21 53	21 44	1 50	13 52	2 8	11 42	3 33	5 55	0 32	17 0	0 58	15 33	1 33	6 7	0 35	6 31	1 49	26 38	10 52	22 6	22 8	0 43	13 39	0 12
W10	21 43	22 18	0 38	13 30	2 21	11 30	3 46	6 9	0 33	17 2	0 58	15 34	1 33	6 7	0 35	6 31	1 49	26 38	10 53	22 6	22 9	0 40	13 39	0 12
T 11	21 34	21 38	0n34	13 10	2 34	11 18	4 0	6 23	0 34	17 5	0 58	15 36	1 33	6 8	0 35	6 31	1 49	26 39	10 53	22 6	22 9	0 38	13 39	0 12
F 12	21 24	19 50	1 43	12 51	2 47	11 7	4 13	6 37	0 35	17 7	0 58	15 37	1 34	6 8	0 35	6 31	1 49	26 39	10 53	22 6	22 10	0 35	13 40	0 12
S 13	21 14	17 6	2 46	12 34	3 0	10 57	4 27	6 51	0 36	17 10	0 58	15 38	1 34	6 9	0 35	6 31	1 49	26 40	10 53	22 6	22 10	0 33	13 40	0 12
S 14	21 3	13 39	3 40	12 18	3 12	10 47	4 41	7 5	0 37	17 12	0 58	15 40	1 34	6 9	0 35	6 31	1 49	26 40	10 53	22 6	22 10	0 30	13 41	0 12
M15	20 52	9 41	4 23	12 4	3 24	10 38	4 54	7 19	0 38	17 15	0 59	15 41	1 34	6 10	0 35	6 31	1 49	26 41	10 53	22 7	22 11	0 28	13 41	0 12
T 16	20 41	5 23	4 54	11 52	3 36	10 30	5 8	7 33	0 39	17 17	0 59	15 43	1 34	6 10	0 35	6 31	1 49	26 42	10 53	22 7	22 11	0 25	13 41	0 12
W17	20 29	0 56	5 12	11 43	3 47	10 23	5 21	7 47	0 40	17 19	0 59	15 44	1 34	6 11	0 35	6 31	1 49	26 42	10 54	22 7	22 12	0 23	13 42	0 12
T 18	20 17	3s33	5 16	11 35	3 58	10 17	5 35	8 2	0 41	17 21	0 59	15 45	1 34	6 12	0 35	6 31	1 49	26 43	10 54	22 7	22 12	0 20	13 42	0 12
F 19	20 5	7 55	5 7	11 30	4 8	10 11	5 48	8 16	0 42	17 24	0 59	15 47	1 35	6 12	0 34	6 31	1 50	26 43	10 54	22 7	22 13	0 18	13 42	0 12
S 20	19 52	12 2	4 45	11 27	4 17	10 6	6 1	8 30	0 43	17 26	0 59	15 48	1 35	6 13	0 34	6 31	1 50	26 44	10 54	22 7	22 13	0 15	13 42	0 11
S 21	19 39	15 43	4 9	11 26	4 25	10 2	6 13	8 44	0 44	17 28	0 59	15 50	1 35	6 13	0 34	6 31	1 50	26 44	10 54	22 7	22 14	0 13	13 43	0 11
M22	19 26	18 48	3 21	11 28	4 32	9 59	6 25	8 59	0 45	17 30	0 59	15 51	1 35	6 14	0 34	6 31	1 50	26 45	10 54	22 7	22 14	0 10	13 43	0 11
T 23	19 12	21 2	2 22	11 33	4 38	9 57	6 37	9 13	0 46	17 32	0 59	15 53	1 35	6 15	0 34	6 31	1 50	26 45	10 54	22 6	22 14	0 7	13 43	0 11
W24	18 58	22 11	1 13	11 40	4 42	9 55	6 48	9 27	0 47	17 34	0 59	15 54	1 35	6 16	0 34	6 31	1 50	26 46	10 54	22 6	22 15	0 5	13 43	0 11
T 25	18 44	22 5	0s 1	11 50	4 45	9 54	6 59	9 42	0 47	17 36	0 59	15 56	1 35	6 16	0 34	6 31	1 50	26 46	10 55	22 6	22 15	0 2	13 43	0 11
F 26	18 29	20 38	1 18	12 3	4 45	9 55	7 9	9 56	0 48	17 38	0 59	15 57	1 36	6 17	0 34	6 30	1 50	26 47	10 55	22 6	22 16	0s 0	13 44	0 11
S 27	18 14	17 50	2 31	12 17	4 45	9 56	7 18	10 10	0 49	17 40	1 0	15 59	1 36	6 18	0 34	6 30	1 50	26 47	10 55	22 6	22 16	0 3	13 44	0 11
S 28	17 59	13 54	3 35	12 34	4 42	9 57	7 26	10 24	0 50	17 42	1 0	16 0	1 36	6 18	0 34	6 30	1 50	26 48	10 55	22 7	22 17	0 5	13 44	0 11
M29	17 43	9 7	4 26	12 53	4 37	10 0	7 34	10 39	0 51	17 44	1 0	16 2	1 36	6 19	0 34	6 30	1 50	26 48	10 55	22 7	22 17	0 8	13 44	0 11
T 30	17 28	3 48	5 0	13 13	4 31	10 3	7 41	10 53	0 52	17 45	1 0	16 4	1 36	6 20	0 34	6 30	1 50	26 48	10 55	22 8	22 18	0 10	13 44	0 11
W31	17n11	1n41	5s14	13n34	4s22	10n 7	7s47	11s 7	0s52	17n47	1s 0	16s 5	1s36	6s21	0n34	6n30	1s50	26s49	10s55	22n 8	22n18	0s13	13n44	0n11

Julian Day Number = 2105116.5, Delta T = 20m36s
Ecliptic obliquity = 23°33'40, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°31'08, Lahiri = 10°38'08 Julian Calendar 1 July 1051 == Greg. Calendar 7 July 1051

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1051
geocentric

AUGUST 1051 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 58 52	13♌16'53	0♉51	9°R23	10°R10	27♎13	23♉39	20°R56	17♎27	20°R53	14°R59	19°R30	18♋17	12♎31	5♉56	T 1
F 2	21 2 49	14°14'40	15° 1	8♌38	9♌33	27°50	23°46	20♒51	17°29	20♈53	14♒57	19°D30	18°13	12°37	5°56	F 2
S 3	21 6 45	15°12'30	28°55	7°57	8°57	28°28	23°53	20°47	17°31	20°53	14°56	19♋30	18°10	12°44	5°56	S 3
S 4	21 10 42	16°10'21	12♊35	7°21	8°22	29° 5	24° 0	20°42	17°34	20°52	14°55	19°32	18° 7	12°51	5°56	S 4
M 5	21 14 38	17° 8'13	25°59	6°51	7°48	29°43	24° 6	20°38	17°36	20°52	14°54	19°33	18° 4	12°57	5°R56	M 5
T 6	21 18 35	18° 6'08	9♋ 8	6°28	7°16	0♏21	24°13	20°33	17°38	20°51	14°52	19°34	18° 1	13° 4	5°56	T 6
W 7	21 22 31	19° 4'04	22° 5	6°11	6°45	0°59	24°19	20°28	17°40	20°50	14°51	19°R35	17°58	13°11	5°56	W 7
T 8	21 26 28	20° 2'03	4♌49	6° 2	6°16	1°37	24°25	20°24	17°43	20°50	14°50	19°34	17°54	13°18	5°56	T 8
F 9	21 30 25	21° 0'02	17°22	6°D 1	5°48	2°16	24°31	20°19	17°45	20°49	14°48	19°31	17°51	13°24	5°56	F 9
S 10	21 34 21	21°58'04	29°43	6° 8	5°22	2°54	24°37	20°15	17°48	20°49	14°47	19°27	17°48	13°31	5°56	S 10
S 11	21 38 18	22°56'07	11♍56	6°23	4°59	3°33	24°42	20°10	17°50	20°48	14°46	19°22	17°45	13°38	5°55	S 11
M12	21 42 14	23°54'11	23°59	6°47	4°37	4°12	24°47	20° 6	17°53	20°47	14°44	19°16	17°42	13°45	5°55	M12
T 13	21 46 11	24°52'17	5♎56	7°19	4°18	4°50	24°53	20° 1	17°55	20°46	14°43	19° 9	17°38	13°51	5°54	T 13
W14	21 50 7	25°50'25	17°48	7°59	4° 1	5°29	24°58	19°57	17°58	20°46	14°42	19° 4	17°35	13°58	5°54	W14
T 15	21 54 4	26°48'34	29°40	8°47	3°47	6° 9	25° 3	19°52	18° 1	20°45	14°41	18°59	17°32	14° 5	5°53	T 15
F 16	21 58 0	27°46'45	11♏34	9°43	3°35	6°48	25° 7	19°47	18° 3	20°44	14°39	18°56	17°29	14°11	5°53	F 16
S 17	22 1 57	28°44'57	23°35	10°45	3°25	7°27	25°12	19°43	18° 6	20°43	14°38	18°D54	17°26	14°18	5°52	S 17
S 18	22 5 54	29°43'11	5♐47	11°55	3°18	8° 7	25°16	19°39	18° 9	20°42	14°37	18°54	17°23	14°25	5°51	S 18
M19	22 9 50	0♑41'27	18°16	13°11	3°13	8°47	25°20	19°34	18°12	20°41	14°36	18°55	17°19	14°32	5°51	M19
T 20	22 13 47	1°39'44	1♒ 5	14°32	3°10	9°27	25°24	19°30	18°15	20°40	14°34	18°57	17°16	14°38	5°50	T 20
W21	22 17 43	2°38'03	14°19	15°59	3°D10	10° 6	25°28	19°25	18°17	20°39	14°33	18°R58	17°13	14°45	5°49	W21
T 22	22 21 40	3°36'23	28° 1	17°30	3°12	10°47	25°32	19°21	18°20	20°38	14°32	18°58	17°10	14°52	5°48	T 22
F 23	22 25 36	4°34'45	12♒ 9	19° 6	3°16	11°27	25°35	19°17	18°23	20°37	14°31	18°55	17° 7	14°58	5°47	F 23
S 24	22 29 33	5°33'09	26°41	20°45	3°23	12° 7	25°39	19°12	18°26	20°36	14°29	18°51	17° 4	15° 5	5°46	S 24
S 25	22 33 29	6°31'34	11♓33	22°27	3°32	12°47	25°42	19° 8	18°29	20°35	14°28	18°45	17° 0	15°12	5°45	S 25
M26	22 37 26	7°30'02	26°35	24°12	3°43	13°28	25°45	19° 4	18°32	20°34	14°27	18°38	16°57	15°19	5°44	M26
T 27	22 41 22	8°28'31	11♈38	25°59	3°56	14° 9	25°47	19° 0	18°35	20°33	14°26	18°31	16°54	15°25	5°42	T 27
W28	22 45 19	9°27'03	26°33	27°47	4°11	14°49	25°50	18°56	18°38	20°32	14°25	18°24	16°51	15°32	5°41	W28
T 29	22 49 16	10°25'37	11♉12	29°37	4°28	15°30	25°52	18°51	18°42	20°31	14°24	18°19	16°48	15°39	5°40	T 29
F 30	22 53 12	11°24'13	25°30	1♍28	4°47	16°11	25°54	18°47	18°45	20°29	14°22	18°16	16°44	15°46	5°38	F 30
S 31	22 57 9	12♍22'51	9♊25	3♍19	5♌ 8	16♏52	25♉56	18♒43	18♎48	20♈28	14♒21	18°D14	16♋41	15♎52	5♉37	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n55	7n 1	5s 8	13n57	4s12	10n12	7s52	11s22	0s53	17n49	1s 0	16s 7	1s36	6s22	0n34	6n29	1s50	26s49	10s55	22n 8	22n18	0s15	13n44	0n11
F 2	16 38	11 54	4 44	14 20	4 0	10 17	7 57	11 36	0 54	17 50	1 0	16 8	1 36	6 23	0 34	6 29	1 50	26 50	10 55	22 8	22 19	0 18	13 44	0 11
S 3	16 21	16 4	4 3	14 43	3 47	10 23	8 0	11 50	0 55	17 52	1 0	16 10	1 36	6 23	0 34	6 29	1 50	26 50	10 55	22 8	22 19	0 20	13 44	0 11
S 4	16 4	19 18	3 9	15 6	3 32	10 29	8 3	12 4	0 55	17 54	1 0	16 11	1 36	6 24	0 34	6 29	1 51	26 51	10 55	22 8	22 20	0 23	13 44	0 10
M 5	15 47	21 24	2 6	15 29	3 16	10 36	8 5	12 18	0 56	17 55	1 0	16 13	1 37	6 25	0 34	6 29	1 51	26 51	10 55	22 8	22 20	0 25	13 44	0 10
T 6	15 29	22 18	0 57	15 51	3 0	10 43	8 6	12 32	0 57	17 57	1 1	16 14	1 37	6 26	0 34	6 28	1 51	26 52	10 55	22 8	22 21	0 28	13 44	0 10
W 7	15 11	21 58	0n14	16 12	2 42	10 50	8 6	12 46	0 58	17 58	1 1	16 16	1 37	6 27	0 34	6 28	1 51	26 52	10 55	22 7	22 21	0 30	13 44	0 10
T 8	14 53	20 29	1 22	16 32	2 24	10 58	8 5	13 1	0 58	17 59	1 1	16 17	1 37	6 28	0 34	6 28	1 51	26 53	10 55	22 8	22 21	0 33	13 44	0 10
F 9	14 34	18 1	2 26	16 49	2 6	11 6	8 4	13 15	0 59	18 1	1 1	16 19	1 37	6 29	0 34	6 27	1 51	26 53	10 55	22 8	22 22	0 36	13 43	0 10
S 10	14 15	14 46	3 22	17 5	1 48	11 14	8 2	13 29	1 0	18 2	1 1	16 21	1 37	6 30	0 34	6 27	1 51	26 53	10 55	22 9	22 22	0 38	13 43	0 10
S 11	13 56	10 55	4 7	17 19	1 30	11 22	7 59	13 42	1 0	18 3	1 1	16 22	1 37	6 31	0 34	6 27	1 51	26 54	10 55	22 9	22 23	0 41	13 43	0 10
M12	13 37	6 42	4 41	17 31	1 12	11 30	7 55	13 56	1 1	18 4	1 1	16 24	1 37	6 32	0 34	6 26	1 51	26 54	10 55	22 10	22 23	0 43	13 43	0 10
T 13	13 18	2 15	5 2	17 40	0 54	11 39	7 51	14 10	1 2	18 6	1 1	16 25	1 37	6 33	0 34	6 26	1 51	26 55	10 55	22 11	22 23	0 46	13 43	0 10
W14	12 58	2s15	5 10	17 46	0 37	11 47	7 46	14 24	1 2	18 7	1 1	16 27	1 37	6 34	0 34	6 26	1 51	26 55	10 55	22 12	22 24	0 48	13 43	0 10
T 15	12 38	6 39	5 5	17 49	0 21	11 56	7 41	14 38	1 3	18 8	1 1	16 28	1 37	6 35	0 34	6 25	1 51	26 55	10 55	22 13	22 24	0 51	13 42	0 10
F 16	12 18	10 50	4 47	17 49	0 5	12 4	7 35	14 51	1 4	18 9	1 2	16 30	1 37	6 36	0 34	6 25	1 51	26 56	10 55	22 13	22 25	0 53	13 42	0 10
S 17	11 58	14 38	4 16	17 46	0n 9	12 13	7 29	15 5	1 4	18 10	1 2	16 31	1 37	6 37	0 34	6 25	1 51	26 56	10 55	22 13	22 25	0 56	13 42	0 10
S 18	11 38	17 54	3 32	17 41	0 23	12 21	7 22	15 18	1 5	18 11	1 2	16 32	1 37	6 38	0 33	6 24	1 51	26 57	10 55	22 13	22 26	0 58	13 41	0 9
M19	11 17	20 24	2 39	17 31	0 36	12 29	7 15	15 32	1 5	18 12	1 2	16 34	1 37	6 39	0 33	6 24	1 51	26 57	10 55	22 13	22 26	1 1	13 41	0 9
T 20	10 56	21 58	1 35	17 19	0 48	12 37	7 8	15 45	1 6	18 12	1 2	16 35	1 37	6 40	0 33	6 24	1 51	26 57	10 55	22 13	22 26	1 4	13 41	0 9
W21	10 35	22 22	0 25	17 3	0 59	12 44	7 0	15 59	1 7	18 13	1 2	16 37	1 37	6 42	0 33	6 23	1 51	26 58	10 55	22 13	22 27	1 6	13 40	0 9
T 22	10 14	21 28	0s49	16 45	1 8	12 52	6 52	16 12	1 7	18 14	1 2	16 38	1 38	6 43	0 33	6 23	1 52	26 58	10 55	22 13	22 27	1 9	13 40	0 9
F 23	9 53	19 11	2 2	16 23	1 17	12 59	6 44	16 25	1 8	18 15	1 2	16 40	1 38	6 44	0 33	6 22	1 52	26 58	10 55	22 13	22 28	1 11	13 40	0 9
S 24	9 31	15 38	3 9	15 59	1 24	13 5	6 35	16 38	1 8	18 15	1 2	16 41	1 38	6 45	0 33	6 22	1 52	26 59	10 55	22 14	22 28	1 14	13 39	0 9
S 25	9 10	11 2	4 5	15 32	1 31	13 12	6 26	16 51	1 9	18 16	1 3	16 42	1 38	6 46	0 33	6 21	1 52	26 59	10 55	22 14	22 28	1 16	13 39	0 9
M26	8 48	5 43	4 44	15 2	1 36	13 18	6 18	17 4	1 9	18 17	1 3	16 44	1 38	6 47	0 33	6 21	1 52	26 59	10 55	22 15	22 29	1 19	13 38	0 9
T 27	8 26	0 3	5 4	14 30	1 41	13 24	6 9	17 17	1 10	18 17	1 3	16 45	1 38	6 49	0 33	6 20	1 52	27 0	10 55	22 17	22 29	1 21	13 38	0 9
W28	8 4	5n34	5 4	13 56	1 44	13 29	5 59	17 29	1 10	18 18	1 3	16 46	1 38	6 50	0 33	6 20	1 52	27 0	10 55	22 17	22 30	1 24	13 37	0 9
T 29	7 42	10 47	4 43	13 20	1 47	13 34	5 50	17 42	1 11	18 18	1 3	16 48	1 38	6 51	0 33	6 19	1 52	27 0	10 55	22 18	22 30	1 27	13 37	0 9
F 30	7 19	15 17	4 5	12 42	1 49	13 39	5 41	17 54	1 11	18 19	1 3	16 49	1 38	6 52	0 33	6 19	1 52	27 0	10 55	22 19	22 30	1 29	13 36	0 9
S 31	6n57	18n48	3s13	12n 3	1n50	13n43	5s32	18s 7	1s12	18n19	1s 3	16s50	1s38	6s53	0n33	6n18	1s52	27s 1	10s55	22n19	22n31	1s32	13n36	0n 9

Julian Day Number = 2105147.5, Delta T = 20m35s
Ecliptic obliquity = 23°33'41, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°31'12, Lahiri = 10°38'12 Julian Calendar 1 Aug. 1051 == Greg. Calendar 7 Aug. 1051

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1051
geocentric

SEPTEMBER 1051 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 1 5	13♍21'32	22♊58	5♍11	5♌31	17♏33	25♉58	18°R40	18♎51	20°R27	14°R20	18♋15	16♋38	15♎59	5°R35	S 1
M 2	23 5 2	14°20'16	6♋10	7° 2	5°56	18°15	25°59	18♒36	18°54	20♈26	14♒19	18°16	16°35	16° 6	5♉34	M 2
T 3	23 8 58	15°19'01	19° 4	8°54	6°22	18°56	26° 1	18°32	18°58	20°24	14°18	18°R16	16°32	16°12	5°32	T 3
W 4	23 12 55	16°17'49	1♌43	10°45	6°50	19°38	26° 2	18°28	19° 1	20°23	14°17	18°15	16°29	16°19	5°31	W 4
T 5	23 16 51	17°16'39	14°10	12°36	7°19	20°19	26° 3	18°24	19° 4	20°22	14°16	18°12	16°25	16°26	5°29	T 5
F 6	23 20 48	18°15'31	26°27	14°26	7°50	21° 1	26° 4	18°21	19° 8	20°20	14°15	18° 6	16°22	16°33	5°27	F 6
S 7	23 24 45	19°14'25	8♍36	16°16	8°23	21°43	26° 4	18°17	19°11	20°19	14°14	17°58	16°19	16°39	5°25	S 7
S 8	23 28 41	20°13'21	20°39	18° 5	8°56	22°25	26° 5	18°14	19°14	20°18	14°13	17°47	16°16	16°46	5°24	S 8
M 9	23 32 38	21°12'20	2♎37	19°54	9°32	23° 7	26°R 5	18°10	19°18	20°16	14°12	17°35	16°13	16°53	5°22	M 9
T 10	23 36 34	22°11'20	14°30	21°41	10° 8	23°49	26° 5	18° 7	19°21	20°15	14°11	17°23	16° 9	17° 0	5°20	T 10
W11	23 40 31	23°10'22	26°21	23°28	10°46	24°31	26° 4	18° 3	19°25	20°13	14°10	17°11	16° 6	17° 6	5°18	W11
T 12	23 44 27	24° 9'27	8♏12	25°14	11°25	25°14	26° 4	18° 0	19°28	20°12	14° 9	17° 0	16° 3	17°13	5°16	T 12
F 13	23 48 24	25° 8'33	20° 6	26°59	12° 5	25°56	26° 3	17°57	19°32	20°10	14° 8	16°53	16° 0	17°20	5°14	F 13
S 14	23 52 20	26° 7'41	2♐ 5	28°43	12°46	26°39	26° 2	17°54	19°35	20° 9	14° 7	16°47	15°57	17°26	5°12	S 14
S 15	23 56 17	27° 6'51	14°14	0♎27	13°28	27°22	26° 1	17°51	19°39	20° 7	14° 6	16°45	15°54	17°33	5° 9	S 15
M16	0 0 14	28° 6'03	26°38	2° 9	14°11	28° 4	26° 0	17°48	19°42	20° 6	14° 5	16°D44	15°50	17°40	5° 7	M16
T 17	0 4 10	29° 5'17	9♑22	3°51	14°56	28°47	25°59	17°45	19°46	20° 4	14° 4	16°44	15°47	17°47	5° 5	T 17
W18	0 8 7	0♎ 4'32	22°30	5°32	15°41	29°30	25°57	17°42	19°49	20° 3	14° 4	16°R44	15°44	17°53	5° 3	W18
T 19	0 12 3	1° 3'50	6♒ 6	7°12	16°27	0♐13	25°55	17°40	19°53	20° 1	14° 3	16°43	15°41	18° 0	5° 0	T 19
F 20	0 16 0	2° 3'09	20°12	8°51	17°14	0°56	25°53	17°37	19°57	20° 0	14° 2	16°39	15°38	18° 7	4°58	F 20
S 21	0 19 56	3° 2'30	4♓47	10°30	18° 2	1°39	25°51	17°35	20° 0	19°58	14° 1	16°33	15°35	18°13	4°56	S 21
S 22	0 23 53	4° 1'52	19°46	12° 8	18°51	2°23	25°48	17°32	20° 4	19°56	14° 0	16°24	15°31	18°20	4°53	S 22
M23	0 27 49	5° 1'17	5♈ 1	13°45	19°41	3° 6	25°46	17°30	20° 7	19°55	14° 0	16°14	15°28	18°27	4°51	M23
T 24	0 31 46	6° 0'44	20°21	15°22	20°31	3°49	25°43	17°28	20°11	19°53	13°59	16° 3	15°25	18°34	4°48	T 24
W25	0 35 42	7° 0'13	5♉35	16°57	21°23	4°33	25°40	17°25	20°15	19°52	13°58	15°52	15°22	18°40	4°46	W25
T 26	0 39 39	7°59'45	20°32	18°32	22°15	5°17	25°37	17°23	20°19	19°50	13°58	15°44	15°19	18°47	4°43	T 26
F 27	0 43 36	8°59'18	5♊ 4	20° 7	23° 7	6° 0	25°33	17°21	20°22	19°48	13°57	15°38	15°15	18°54	4°41	F 27
S 28	0 47 32	9°58'55	19° 9	21°41	24° 1	6°44	25°30	17°20	20°26	19°47	13°56	15°35	15°12	19° 1	4°38	S 28
S 29	0 51 29	10°58'33	2♋46	23°14	24°55	7°28	25°26	17°18	20°30	19°45	13°56	15°34	15° 9	19° 7	4°35	S 29
M30	0 55 25	11♎58'14	15♋57	24♎46	25♌49	8♐12	25♉22	17♒16	20♎33	19♈43	13♒55	15♋34	15♋ 6	19♎14	4♉33	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n34	21n11	2s11	11n22	1n50	13n46	5s22	18s19	1s12	18n19	1s 3	16s51	1s38	6s55	0n33	6n18	1s52	27s 1	10s55	22n19	22n31	1s34	13n35	0n 8
M 2	6 12	22 21	1 4	10 40	1 50	13 50	5 13	18 31	1 13	18 19	1 3	16 53	1 38	6 56	0 33	6 17	1 52	27 1	10 55	22 19	22 32	1 37	13 35	0 8
T 3	5 49	22 16	0n 4	9 57	1 49	13 52	5 4	18 43	1 13	18 20	1 4	16 54	1 38	6 57	0 33	6 17	1 52	27 1	10 54	22 19	22 32	1 39	13 34	0 8
W 4	5 26	21 2	1 11	9 13	1 47	13 55	4 54	18 55	1 14	18 20	1 4	16 55	1 38	6 58	0 33	6 16	1 52	27 2	10 54	22 19	22 32	1 42	13 33	0 8
T 5	5 3	18 48	2 14	8 28	1 45	13 56	4 45	19 7	1 14	18 20	1 4	16 56	1 38	7 0	0 33	6 16	1 52	27 2	10 54	22 19	22 33	1 45	13 33	0 8
F 6	4 40	15 43	3 9	7 43	1 42	13 58	4 36	19 18	1 15	18 20	1 4	16 57	1 38	7 1	0 33	6 15	1 52	27 2	10 54	22 20	22 33	1 47	13 32	0 8
S 7	4 17	12 0	3 55	6 57	1 39	13 58	4 26	19 30	1 15	18 20	1 4	16 58	1 38	7 2	0 33	6 15	1 52	27 2	10 54	22 21	22 34	1 50	13 31	0 8
S 8	3 54	7 51	4 30	6 11	1 35	13 59	4 17	19 41	1 15	18 20	1 4	16 59	1 38	7 4	0 33	6 14	1 52	27 3	10 54	22 22	22 34	1 52	13 31	0 8
M 9	3 30	3 25	4 52	5 25	1 31	13 59	4 8	19 52	1 16	18 20	1 4	17 0	1 38	7 5	0 33	6 14	1 52	27 3	10 54	22 24	22 34	1 55	13 30	0 8
T 10	3 7	1s 7	5 2	4 38	1 26	13 58	3 59	20 3	1 16	18 20	1 4	17 1	1 38	7 6	0 33	6 13	1 52	27 3	10 54	22 26	22 35	1 57	13 29	0 8
W11	2 43	5 35	4 58	3 51	1 22	13 56	3 50	20 14	1 17	18 20	1 4	17 2	1 37	7 8	0 33	6 12	1 52	27 3	10 54	22 27	22 35	2 0	13 29	0 8
T 12	2 20	9 52	4 42	3 5	1 17	13 55	3 41	20 25	1 17	18 20	1 4	17 3	1 37	7 9	0 33	6 12	1 52	27 3	10 53	22 28	22 35	2 3	13 28	0 8
F 13	1 56	13 47	4 13	2 18	1 11	13 52	3 32	20 35	1 17	18 19	1 5	17 4	1 37	7 10	0 33	6 11	1 52	27 3	10 53	22 29	22 36	2 5	13 27	0 8
S 14	1 33	17 12	3 34	1 31	1 6	13 49	3 23	20 46	1 18	18 19	1 5	17 5	1 37	7 12	0 33	6 11	1 52	27 4	10 53	22 30	22 36	2 8	13 26	0 8
S 15	1 9	19 55	2 43	0 45	1 0	13 46	3 14	20 56	1 18	18 19	1 5	17 6	1 37	7 13	0 33	6 10	1 52	27 4	10 53	22 30	22 37	2 10	13 25	0 7
M16	0 46	21 47	1 45	0s 2	0 54	13 42	3 5	21 6	1 18	18 18	1 5	17 7	1 37	7 14	0 33	6 10	1 53	27 4	10 53	22 30	22 37	2 13	13 25	0 7
T 17	0 22	22 35	0 39	0 48	0 48	13 38	2 57	21 16	1 19	18 18	1 5	17 8	1 37	7 16	0 33	6 9	1 53	27 4	10 53	22 30	22 37	2 15	13 24	0 7
W18	0s 2	22 10	0s31	1 34	0 42	13 33	2 48	21 26	1 19	18 17	1 5	17 9	1 37	7 17	0 33	6 8	1 53	27 4	10 53	22 30	22 38	2 18	13 23	0 7
T 19	0 26	20 28	1 41	2 20	0 35	13 27	2 40	21 35	1 19	18 17	1 5	17 10	1 37	7 18	0 33	6 8	1 53	27 4	10 52	22 31	22 38	2 21	13 22	0 7
F 20	0 49	17 28	2 47	3 5	0 29	13 21	2 31	21 45	1 20	18 16	1 5	17 10	1 37	7 20	0 33	6 7	1 53	27 4	10 52	22 31	22 38	2 23	13 21	0 7
S 21	1 13	13 18	3 45	3 50	0 22	13 14	2 23	21 54	1 20	18 16	1 5	17 11	1 37	7 21	0 33	6 6	1 53	27 4	10 52	22 32	22 39	2 26	13 20	0 7
S 22	1 37	8 12	4 29	4 35	0 16	13 7	2 15	22 3	1 20	18 15	1 5	17 12	1 37	7 23	0 33	6 6	1 53	27 4	10 52	22 33	22 39	2 28	13 20	0 7
M23	2 0	2 30	4 55	5 19	0 9	12 59	2 7	22 12	1 20	18 14	1 5	17 12	1 37	7 24	0 33	6 5	1 53	27 4	10 52	22 34	22 40	2 31	13 19	0 7
T 24	2 24	3n22	5 0	6 3	0 2	12 51	1 59	22 21	1 21	18 14	1 5	17 13	1 37	7 25	0 33	6 5	1 53	27 5	10 52	22 36	22 40	2 34	13 18	0 7
W25	2 48	9 0	4 43	6 46	0s 5	12 42	1 51	22 29	1 21	18 13	1 6	17 14	1 37	7 27	0 33	6 4	1 53	27 5	10 51	22 37	22 40	2 36	13 17	0 7
T 26	3 11	14 0	4 7	7 29	0 12	12 33	1 43	22 37	1 21	18 12	1 6	17 14	1 37	7 28	0 33	6 3	1 53	27 5	10 51	22 38	22 41	2 39	13 16	0 7
F 27	3 35	18 2	3 16	8 11	0 19	12 23	1 35	22 45	1 21	18 11	1 6	17 15	1 37	7 30	0 33	6 3	1 53	27 5	10 51	22 38	22 41	2 41	13 15	0 7
S 28	3 58	20 53	2 15	8 53	0 25	12 12	1 28	22 53	1 22	18 10	1 6	17 15	1 37	7 31	0 33	6 2	1 53	27 5	10 51	22 39	22 41	2 44	13 14	0 6
S 29	4 22	22 25	1 7	9 34	0 32	12 1	1 21	23 1	1 22	18 9	1 6	17 16	1 37	7 32	0 33	6 1	1 53	27 5	10 51	22 39	22 42	2 46	13 13	0 6
M30	4s45	22n38	0n 2	10s15	0s39	11n50	1s13	23s 8	1s22	18n 8	1s 6	17s16	1s36	7s34	0n33	6n 1	1s53	27s 5	10s50	22n39	22n42	2s49	13n12	0n 6

Julian Day Number = 2105178.5, Delta T = 20m35s
Ecliptic obliquity = 23°33'42, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°31'16, Lahiri = 10°38'17 Julian Calendar 1 Sept. 1051 == Greg. Calendar 7 Sept. 1051

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1051
geocentric

OCTOBER 1051 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 59 22	12♎57'57	28♋46	26♎18	26♌45	8♐56	25°R18	17°R14	20♎37	19°R42	13°R55	15°R33	15♋ 3	19♎21	4°R30	T 1
W 2	1 3 18	13°57'42	11♌16	27°50	27°40	9°40	25♉13	17♒13	20°41	19♈40	13♒54	15♋32	15° 0	19°27	4♉27	W 2
T 3	1 7 15	14°57'30	23°33	29°21	28°37	10°24	25° 9	17°12	20°45	19°38	13°54	15°27	14°56	19°34	4°24	T 3
F 4	1 11 11	15°57'20	5♍40	0♏51	29°34	11° 8	25° 4	17°10	20°48	19°37	13°53	15°20	14°53	19°41	4°22	F 4
S 5	1 15 8	16°57'12	17°40	2°20	0♍32	11°53	24°59	17° 9	20°52	19°35	13°53	15°10	14°50	19°48	4°19	S 5
S 6	1 19 5	17°57'06	29°36	3°49	1°30	12°37	24°54	17° 8	20°56	19°33	13°52	14°57	14°47	19°54	4°16	S 6
M 7	1 23 1	18°57'02	11♎29	5°18	2°28	13°22	24°49	17° 7	21° 0	19°32	13°52	14°43	14°44	20° 1	4°13	M 7
T 8	1 26 58	19°57'01	23°21	6°45	3°27	14° 6	24°43	17° 6	21° 3	19°30	13°51	14°28	14°40	20° 8	4°10	T 8
W 9	1 30 54	20°57'01	5♏13	8°13	4°27	14°51	24°38	17° 5	21° 7	19°28	13°51	14°14	14°37	20°14	4° 7	W 9
T 10	1 34 51	21°57'03	17° 7	9°39	5°27	15°36	24°32	17° 5	21°11	19°26	13°51	14° 1	14°34	20°21	4° 5	T 10
F 11	1 38 47	22°57'07	29° 4	11° 5	6°27	16°20	24°26	17° 4	21°15	19°25	13°50	13°51	14°31	20°28	4° 2	F 11
S 12	1 42 44	23°57'13	11♐ 7	12°30	7°28	17° 5	24°20	17° 3	21°18	19°23	13°50	13°44	14°28	20°35	3°59	S 12
S 13	1 46 40	24°57'20	23°18	13°54	8°29	17°50	24°14	17° 3	21°22	19°21	13°50	13°40	14°25	20°41	3°56	S 13
M14	1 50 37	25°57'29	5♑42	15°18	9°31	18°35	24° 8	17° 3	21°26	19°20	13°50	13°39	14°21	20°48	3°53	M14
T 15	1 54 34	26°57'40	18°22	16°41	10°33	19°20	24° 1	17° 3	21°30	19°18	13°49	13°D39	14°18	20°55	3°50	T 15
W16	1 58 30	27°57'52	1♒24	18° 2	11°35	20° 5	23°55	17°D 3	21°33	19°16	13°49	13°R39	14°15	21° 2	3°47	W16
T 17	2 2 27	28°58'06	14°51	19°23	12°38	20°50	23°48	17° 3	21°37	19°15	13°49	13°38	14°12	21° 8	3°44	T 17
F 18	2 6 23	29°58'22	28°45	20°43	13°41	21°36	23°41	17° 3	21°41	19°13	13°49	13°35	14° 9	21°15	3°41	F 18
S 19	2 10 20	0♏58'38	13♓ 9	22° 2	14°45	22°21	23°34	17° 3	21°45	19°11	13°49	13°29	14° 6	21°22	3°38	S 19
S 20	2 14 16	1°58'57	27°58	23°19	15°48	23° 6	23°27	17° 3	21°48	19°10	13°49	13°21	14° 2	21°28	3°35	S 20
M21	2 18 13	2°59'17	13♈ 7	24°35	16°53	23°52	23°20	17° 4	21°52	19° 8	13°49	13°12	13°59	21°35	3°32	M21
T 22	2 22 9	3°59'38	28°27	25°49	17°57	24°37	23°13	17° 4	21°56	19° 7	13°49	13° 1	13°56	21°42	3°29	T 22
W23	2 26 6	5° 0'01	13♉45	27° 1	19° 2	25°23	23° 5	17° 5	21°59	19° 5	13°D49	12°51	13°53	21°49	3°26	W23
T 24	2 30 3	6° 0'26	28°51	28°11	20° 7	26° 8	22°58	17° 6	22° 3	19° 3	13°49	12°43	13°50	21°55	3°23	T 24
F 25	2 33 59	7° 0'53	13♊35	29°19	21°12	26°54	22°50	17° 7	22° 7	19° 2	13°49	12°37	13°46	22° 2	3°20	F 25
S 26	2 37 56	8° 1'22	27°51	0♐25	22°18	27°39	22°43	17° 8	22°11	19° 0	13°49	12°34	13°43	22° 9	3°17	S 26
S 27	2 41 52	9° 1'53	11♋38	1°27	23°24	28°25	22°35	17° 9	22°14	18°59	13°49	12°D33	13°40	22°16	3°14	S 27
M28	2 45 49	10° 2'25	24°56	2°27	24°30	29°11	22°27	17°10	22°18	18°57	13°49	12°33	13°37	22°22	3°11	M28
T 29	2 49 45	11° 2'59	7♌49	3°22	25°36	29°57	22°19	17°11	22°21	18°56	13°49	12°R34	13°34	22°29	3° 8	T 29
W30	2 53 42	12° 3'36	20°20	4°14	26°43	0♑43	22°11	17°13	22°25	18°54	13°49	12°34	13°31	22°36	3° 5	W30
T 31	2 57 38	13♏ 4'13	2♍35	5♐ 0	27♍50	1♑28	22♉ 3	17♒14	22♎29	18♈53	13♒49	12♋32	13♋27	22♎42	3♉ 2	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s 9	21n38	1n 9	10s55	0s46	11n38	1s 6	23s15	1s22	18n 7	1s 6	17s17	1s36	7s35	0n33	6n 0	1s53	27s 5	10s50	22n39	22n42	2s52	13n11	0n 6
W 2	5 32	19 35	2 11	11 34	0 53	11 25	0 59	23 22	1 22	18 6	1 6	17 17	1 36	7 37	0 33	5 59	1 53	27 5	10 50	22 39	22 43	2 54	13 10	0 6
T 3	5 55	16 40	3 6	12 13	0 59	11 12	0 52	23 29	1 22	18 5	1 6	17 17	1 36	7 38	0 33	5 59	1 53	27 5	10 50	22 40	22 43	2 57	13 9	0 6
F 4	6 19	13 4	3 51	12 51	1 6	10 59	0 45	23 35	1 23	18 4	1 6	17 18	1 36	7 40	0 33	5 58	1 53	27 5	10 50	22 40	22 44	2 59	13 8	0 6
S 5	6 42	8 58	4 26	13 29	1 12	10 45	0 39	23 42	1 23	18 2	1 6	17 18	1 36	7 41	0 33	5 58	1 53	27 5	10 49	22 42	22 44	3 2	13 7	0 6
S 6	7 5	4 34	4 49	14 5	1 19	10 30	0 32	23 48	1 23	18 1	1 6	17 18	1 36	7 42	0 33	5 57	1 53	27 4	10 49	22 43	22 44	3 5	13 6	0 6
M 7	7 28	0 1	4 59	14 41	1 25	10 15	0 26	23 54	1 23	18 0	1 6	17 18	1 36	7 44	0 33	5 56	1 53	27 4	10 49	22 45	22 45	3 7	13 5	0 6
T 8	7 50	4s32	4 56	15 17	1 31	10 0	0 19	23 59	1 23	17 59	1 6	17 19	1 36	7 45	0 33	5 56	1 53	27 4	10 49	22 46	22 45	3 10	13 4	0 6
W 9	8 13	8 56	4 40	15 51	1 37	9 44	0 13	24 4	1 23	17 57	1 6	17 19	1 36	7 47	0 33	5 55	1 53	27 4	10 49	22 48	22 45	3 12	13 3	0 6
T 10	8 36	13 0	4 12	16 25	1 43	9 27	0 7	24 10	1 23	17 56	1 6	17 19	1 36	7 48	0 33	5 54	1 53	27 4	10 48	22 49	22 46	3 15	13 2	0 5
F 11	8 58	16 36	3 32	16 57	1 49	9 10	0 1	24 14	1 23	17 54	1 6	17 19	1 36	7 50	0 33	5 54	1 53	27 4	10 48	22 50	22 46	3 18	13 1	0 5
S 12	9 20	19 32	2 43	17 29	1 55	8 53	0n 5	24 19	1 24	17 53	1 6	17 19	1 35	7 51	0 33	5 53	1 53	27 4	10 48	22 51	22 46	3 20	13 0	0 5
S 13	9 43	21 38	1 45	18 0	2 0	8 36	0 11	24 23	1 24	17 51	1 6	17 19	1 35	7 52	0 33	5 52	1 53	27 4	10 48	22 51	22 47	3 23	12 58	0 5
M14	10 5	22 44	0 42	18 30	2 5	8 17	0 16	24 27	1 24	17 50	1 6	17 19	1 35	7 54	0 33	5 52	1 53	27 4	10 48	22 51	22 47	3 25	12 57	0 5
T 15	10 26	22 42	0s25	18 59	2 10	7 59	0 22	24 31	1 24	17 48	1 6	17 19	1 35	7 55	0 33	5 51	1 53	27 4	10 47	22 51	22 47	3 28	12 56	0 5
W16	10 48	21 27	1 33	19 27	2 15	7 40	0 27	24 35	1 24	17 47	1 6	17 19	1 35	7 57	0 33	5 51	1 53	27 3	10 47	22 51	22 48	3 31	12 55	0 5
T 17	11 10	18 58	2 37	19 53	2 19	7 21	0 32	24 38	1 24	17 45	1 6	17 19	1 35	7 58	0 33	5 50	1 53	27 3	10 47	22 52	22 48	3 33	12 54	0 5
F 18	11 31	15 19	3 35	20 19	2 23	7 1	0 37	24 41	1 24	17 43	1 6	17 19	1 35	7 59	0 33	5 49	1 53	27 3	10 47	22 52	22 48	3 36	12 53	0 5
S 19	11 52	10 40	4 21	20 44	2 27	6 41	0 42	24 44	1 24	17 42	1 6	17 19	1 35	8 1	0 33	5 49	1 53	27 3	10 47	22 52	22 49	3 38	12 52	0 5
S 20	12 13	5 16	4 51	21 7	2 30	6 21	0 47	24 47	1 24	17 40	1 6	17 18	1 35	8 2	0 33	5 48	1 53	27 3	10 46	22 53	22 49	3 41	12 51	0 5
M21	12 34	0n34	5 2	21 29	2 33	6 0	0 52	24 49	1 24	17 38	1 6	17 18	1 35	8 4	0 33	5 48	1 53	27 3	10 46	22 54	22 49	3 44	12 50	0 5
T 22	12 55	6 27	4 51	21 49	2 35	5 39	0 56	24 51	1 24	17 36	1 6	17 18	1 35	8 5	0 33	5 47	1 53	27 2	10 46	22 55	22 50	3 46	12 49	0 4
W23	13 15	11 55	4 20	22 9	2 37	5 17	1 1	24 53	1 24	17 34	1 6	17 18	1 34	8 6	0 33	5 46	1 53	27 2	10 46	22 56	22 50	3 49	12 47	0 4
T 24	13 35	16 35	3 30	22 26	2 39	4 56	1 5	24 54	1 24	17 33	1 6	17 17	1 34	8 8	0 33	5 46	1 53	27 2	10 45	22 57	22 50	3 51	12 46	0 4
F 25	13 55	20 6	2 28	22 42	2 40	4 34	1 9	24 55	1 24	17 31	1 6	17 17	1 34	8 9	0 33	5 45	1 53	27 2	10 45	22 58	22 51	3 54	12 45	0 4
S 26	14 15	22 15	1 17	22 57	2 40	4 11	1 13	24 56	1 24	17 29	1 6	17 17	1 34	8 10	0 33	5 45	1 53	27 1	10 45	22 58	22 51	3 57	12 44	0 4
S 27	14 35	22 58	0 5	23 10	2 40	3 49	1 17	24 57	1 24	17 27	1 6	17 16	1 34	8 12	0 33	5 44	1 53	27 1	10 45	22 58	22 51	3 59	12 43	0 4
M28	14 54	22 20	1n 6	23 21	2 39	3 26	1 21	24 57	1 24	17 25	1 6	17 16	1 34	8 13	0 33	5 43	1 53	27 1	10 44	22 58	22 52	4 2	12 42	0 4
T 29	15 13	20 31	2 11	23 30	2 37	3 3	1 24	24 57	1 24	17 23	1 6	17 15	1 34	8 15	0 33	5 43	1 53	27 1	10 44	22 58	22 52	4 4	12 41	0 4
W30	15 32	17 44	3 7	23 37	2 34	2 39	1 28	24 57	1 24	17 21	1 6	17 15	1 34	8 16	0 33	5 42	1 53	27 0	10 44	22 58	22 52	4 7	12 40	0 4
T 31	15s50	14n14	3n54	23s43	2s31	2n16	1n31	24s57	1s24	17n19	1s 6	17s14	1s34	8s17	0n33	5n42	1s53	27s 0	10s44	22n58	22n53	4s10	12n39	0n 4

Julian Day Number = 2105208.5, Delta T = 20m35s
Ecliptic obliquity = 23°33'42, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°31'20, Lahiri = 10°38'21 Julian Calendar 1 Oct. 1051 == Greg. Calendar 7 Oct. 1051

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1051
geocentric

NOVEMBER 1051 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 1 35	14♏ 4'53	14♍39	5♐42	28♍57	2♑14	21°R55	17♒16	22♎32	18°R51	13♒50	12°R27	13♋24	22♎49	2°R59	F 1
S 2	3 5 32	15° 5'34	26°35	6°17	0♎ 5	3° 0	21♉47	17°18	22°36	18♈50	13°50	12♋20	13°21	22°56	2♉56	S 2
S 3	3 9 28	16° 6'17	8♎27	6°46	1°12	3°46	21°39	17°19	22°39	18°48	13°50	12°11	13°18	23° 3	2°53	S 3
M 4	3 13 25	17° 7'02	20°18	7° 7	2°20	4°33	21°31	17°21	22°43	18°47	13°51	12° 0	13°15	23° 9	2°50	M 4
T 5	3 17 21	18° 7'48	2♏11	7°19	3°28	5°19	21°23	17°23	22°46	18°45	13°51	11°49	13°12	23°16	2°47	T 5
W 6	3 21 18	19° 8'35	14° 6	7°R23	4°36	6° 5	21°14	17°25	22°50	18°44	13°51	11°38	13° 8	23°23	2°45	W 6
T 7	3 25 14	20° 9'24	26° 6	7°17	5°45	6°51	21° 6	17°28	22°53	18°42	13°52	11°29	13° 5	23°29	2°42	T 7
F 8	3 29 11	21°10'14	8♐12	7° 1	6°53	7°37	20°58	17°30	22°57	18°41	13°52	11°21	13° 2	23°36	2°39	F 8
S 9	3 33 7	22°11'06	20°25	6°34	8° 2	8°24	20°50	17°32	23° 0	18°40	13°53	11°17	12°59	23°43	2°36	S 9
S 10	3 37 4	23°11'58	2♑47	5°55	9°11	9°10	20°42	17°35	23° 4	18°38	13°53	11°14	12°56	23°50	2°33	S 10
M11	3 41 1	24°12'52	15°20	5° 6	10°20	9°57	20°34	17°37	23° 7	18°37	13°54	11°D14	12°52	23°56	2°31	M11
T 12	3 44 57	25°13'46	28° 7	4° 7	11°30	10°43	20°25	17°40	23°10	18°36	13°54	11°15	12°49	24° 3	2°28	T 12
W13	3 48 54	26°14'42	11♒10	2°59	12°39	11°29	20°17	17°43	23°14	18°34	13°55	11°16	12°46	24°10	2°25	W13
T 14	3 52 50	27°15'38	24°34	1°44	13°49	12°16	20° 9	17°46	23°17	18°33	13°55	11°R17	12°43	24°17	2°22	T 14
F 15	3 56 47	28°16'35	8♓19	0°23	14°59	13° 2	20° 1	17°49	23°20	18°32	13°56	11°17	12°40	24°23	2°20	F 15
S 16	4 0 43	29°17'32	22°27	29♏ 0	16° 9	13°49	19°53	17°52	23°23	18°31	13°56	11°15	12°37	24°30	2°17	S 16
S 17	4 4 40	0♐18'30	6♈57	27°38	17°19	14°36	19°45	17°55	23°27	18°30	13°57	11°10	12°33	24°37	2°15	S 17
M18	4 8 36	1°19'29	21°45	26°19	18°29	15°22	19°37	17°58	23°30	18°29	13°58	11° 5	12°30	24°43	2°12	M18
T 19	4 12 33	2°20'29	6♉45	25° 6	19°39	16° 9	19°30	18° 2	23°33	18°27	13°58	10°59	12°27	24°50	2°10	T 19
W20	4 16 30	3°21'29	21°48	24° 0	20°50	16°56	19°22	18° 5	23°36	18°26	13°59	10°53	12°24	24°57	2° 7	W20
T 21	4 20 26	4°22'31	6♊45	23° 4	22° 1	17°42	19°14	18° 9	23°39	18°25	14° 0	10°48	12°21	25° 4	2° 5	T 21
F 22	4 24 23	5°23'33	21°26	22°19	23°11	18°29	19° 7	18°12	23°42	18°24	14° 1	10°45	12°18	25°10	2° 2	F 22
S 23	4 28 19	6°24'36	5♋45	21°45	24°22	19°16	18°59	18°16	23°45	18°23	14° 1	10°D44	12°14	25°17	2° 0	S 23
S 24	4 32 16	7°25'40	19°38	21°22	25°33	20° 2	18°52	18°20	23°48	18°22	14° 2	10°44	12°11	25°24	1°58	S 24
M25	4 36 12	8°26'45	3♌ 4	21°10	26°44	20°49	18°45	18°24	23°51	18°21	14° 3	10°45	12° 8	25°30	1°55	M25
T 26	4 40 9	9°27'51	16° 5	21°D 8	27°56	21°36	18°37	18°28	23°54	18°20	14° 4	10°47	12° 5	25°37	1°53	T 26
W27	4 44 5	10°28'58	28°42	21°16	29° 7	22°23	18°30	18°32	23°57	18°19	14° 5	10°48	12° 2	25°44	1°51	W27
T 28	4 48 2	11°30'05	11♍ 1	21°34	0♏19	23°10	18°23	18°36	24° 0	18°19	14° 6	10°R49	11°58	25°51	1°49	T 28
F 29	4 51 59	12°31'14	23° 7	21°59	1°30	23°57	18°16	18°40	24° 3	18°18	14° 7	10°48	11°55	25°57	1°47	F 29
S 30	4 55 55	13♐32'23	5♎ 3	22♏32	2♏42	24♑43	18♉10	18♒45	24♎ 5	18♈17	14♒ 8	10♋46	11♋52	26♎ 4	1♉45	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16s 9	10n13	4n30	23s46	2s26	1n52	1n35	24s56	1s23	17n17	1s 5	17s13	1s34	8s19	0n33	5n41	1s53	27s 0	10s44	22n59	22n53	4s12	12n38	0n 4
S 2	16 27	5 51	4 53	23 46	2 20	1 28	1 38	24 55	1 23	17 15	1 5	17 13	1 33	8 20	0 33	5 41	1 52	27 0	10 43	22 59	22 53	4 15	12 36	0 4
S 3	16 44	1 17	5 4	23 44	2 13	1 3	1 41	24 54	1 23	17 13	1 5	17 12	1 33	8 21	0 33	5 40	1 52	26 59	10 43	23 0	22 54	4 17	12 35	0 3
M 4	17 2	3s19	5 1	23 40	2 5	0 39	1 44	24 52	1 23	17 11	1 5	17 12	1 33	8 23	0 33	5 40	1 52	26 59	10 43	23 1	22 54	4 20	12 34	0 3
T 5	17 19	7 49	4 46	23 32	1 55	0 14	1 46	24 50	1 23	17 9	1 5	17 11	1 33	8 24	0 33	5 39	1 52	26 59	10 43	23 2	22 54	4 23	12 33	0 3
W 6	17 36	12 3	4 18	23 22	1 44	0s10	1 49	24 48	1 23	17 7	1 5	17 10	1 33	8 25	0 33	5 39	1 52	26 58	10 42	23 3	22 55	4 25	12 32	0 3
T 7	17 52	15 51	3 38	23 9	1 32	0 35	1 51	24 46	1 23	17 5	1 5	17 9	1 33	8 26	0 33	5 38	1 52	26 58	10 42	23 4	22 55	4 28	12 31	0 3
F 8	18 9	19 1	2 48	22 52	1 17	1 1	1 54	24 43	1 23	17 3	1 5	17 9	1 33	8 28	0 33	5 38	1 52	26 58	10 42	23 4	22 55	4 31	12 30	0 3
S 9	18 24	21 23	1 50	22 32	1 2	1 26	1 56	24 40	1 22	17 1	1 5	17 8	1 33	8 29	0 33	5 37	1 52	26 57	10 42	23 5	22 55	4 33	12 29	0 3
S 10	18 40	22 47	0 45	22 8	0 45	1 51	1 58	24 37	1 22	16 59	1 4	17 7	1 33	8 30	0 33	5 37	1 52	26 57	10 42	23 5	22 56	4 36	12 28	0 3
M11	18 55	23 3	0s22	21 41	0 26	2 16	2 0	24 33	1 22	16 57	1 4	17 6	1 33	8 31	0 33	5 36	1 52	26 57	10 41	23 5	22 56	4 38	12 27	0 3
T 12	19 10	22 7	1 30	21 11	0 7	2 42	2 2	24 29	1 22	16 55	1 4	17 5	1 33	8 33	0 33	5 36	1 52	26 56	10 41	23 5	22 56	4 41	12 26	0 3
W13	19 25	19 59	2 35	20 38	0n14	3 8	2 4	24 25	1 22	16 53	1 4	17 4	1 32	8 34	0 33	5 35	1 52	26 56	10 41	23 5	22 57	4 44	12 25	0 3
T 14	19 39	16 44	3 33	20 3	0 34	3 33	2 5	24 21	1 21	16 51	1 4	17 3	1 32	8 35	0 33	5 35	1 52	26 55	10 41	23 5	22 57	4 46	12 24	0 3
F 15	19 53	12 31	4 20	19 27	0 54	3 59	2 7	24 16	1 21	16 49	1 4	17 2	1 32	8 36	0 33	5 34	1 52	26 55	10 40	23 5	22 57	4 49	12 23	0 2
S 16	20 6	7 30	4 53	18 50	1 14	4 25	2 8	24 11	1 21	16 47	1 4	17 1	1 32	8 38	0 33	5 34	1 52	26 55	10 40	23 5	22 58	4 51	12 22	0 2
S 17	20 19	1 57	5 9	18 14	1 33	4 50	2 9	24 6	1 21	16 45	1 3	17 0	1 32	8 39	0 33	5 34	1 52	26 54	10 40	23 5	22 58	4 54	12 21	0 2
M18	20 32	3n49	5 4	17 39	1 50	5 16	2 11	24 0	1 21	16 43	1 3	16 59	1 32	8 40	0 33	5 33	1 52	26 54	10 40	23 6	22 58	4 57	12 20	0 2
T 19	20 44	9 26	4 39	17 7	2 5	5 42	2 12	23 55	1 20	16 41	1 3	16 58	1 32	8 41	0 33	5 33	1 52	26 53	10 40	23 6	22 59	4 59	12 19	0 2
W20	20 56	14 32	3 55	16 39	2 18	6 8	2 13	23 48	1 20	16 39	1 3	16 57	1 32	8 42	0 33	5 32	1 52	26 53	10 39	23 7	22 59	5 2	12 18	0 2
T 21	21 8	18 41	2 54	16 15	2 28	6 33	2 13	23 42	1 20	16 37	1 3	16 55	1 32	8 43	0 33	5 32	1 52	26 53	10 39	23 7	22 59	5 4	12 17	0 2
F 22	21 19	21 34	1 43	15 55	2 37	6 59	2 14	23 36	1 20	16 35	1 3	16 54	1 32	8 44	0 33	5 32	1 52	26 52	10 39	23 7	22 59	5 7	12 16	0 2
S 23	21 29	22 59	0 27	15 40	2 43	7 24	2 15	23 29	1 19	16 33	1 2	16 53	1 32	8 46	0 33	5 31	1 52	26 52	10 39	23 8	23 0	5 10	12 15	0 2
S 24	21 40	22 55	0n49	15 30	2 47	7 50	2 15	23 22	1 19	16 32	1 2	16 52	1 32	8 47	0 33	5 31	1 52	26 51	10 39	23 8	23 0	5 12	12 15	0 2
M25	21 50	21 30	1 59	15 25	2 49	8 15	2 15	23 14	1 19	16 30	1 2	16 50	1 31	8 48	0 33	5 31	1 52	26 51	10 38	23 7	23 0	5 15	12 14	0 2
T 26	21 59	18 59	3 1	15 24	2 50	8 41	2 16	23 7	1 18	16 28	1 2	16 49	1 31	8 49	0 33	5 30	1 52	26 50	10 38	23 7	23 1	5 18	12 13	0 2
W27	22 8	15 37	3 53	15 27	2 49	9 6	2 16	22 59	1 18	16 26	1 2	16 48	1 31	8 50	0 33	5 30	1 51	26 50	10 38	23 7	23 1	5 20	12 12	0 1
T 28	22 17	11 40	4 32	15 34	2 47	9 31	2 16	22 50	1 18	16 24	1 1	16 46	1 31	8 51	0 33	5 30	1 51	26 49	10 38	23 7	23 1	5 23	12 11	0 1
F 29	22 25	7 19	4 59	15 43	2 44	9 56	2 16	22 42	1 18	16 23	1 1	16 45	1 31	8 52	0 33	5 30	1 51	26 49	10 38	23 7	23 1	5 25	12 10	0 1
S 30	22s32	2n45	5n12	15s56	2n39	10s21	2n16	22s33	1s17	16n21	1s 1	16s43	1s31	8s53	0n33	5n29	1s51	26s48	10s37	23n 7	23n 2	5s28	12n10	0n 1

Julian Day Number = 2105239.5, Delta T = 20m34s
Ecliptic obliquity = 23°33'42, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°31'25, Lahiri = 10°38'25 Julian Calendar 1 Nov. 1051 == Greg. Calendar 7 Nov. 1051

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1051
geocentric

DECEMBER 1051 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 59 52	14♐33'33	16♎54	23♏11	3♏54	25♑30	18°R 3	18♒49	24♎ 8	18°R16	14♒ 9	10°R43	11♋49	26♎11	1°R43	S 1
M 2	5 3 48	15°34'43	28°46	23°57	5° 5	26°17	17♉57	18°54	24°11	18♈15	14°10	10♋39	11°46	26°17	1♉41	M 2
T 3	5 7 45	16°35'55	10♏40	24°47	6°17	27° 4	17°50	18°58	24°14	18°15	14°11	10°35	11°43	26°24	1°39	T 3
W 4	5 11 41	17°37'07	22°40	25°42	7°29	27°51	17°44	19° 3	24°16	18°14	14°12	10°31	11°39	26°31	1°37	W 4
T 5	5 15 38	18°38'19	4♐49	26°41	8°42	28°38	17°38	19° 8	24°19	18°13	14°13	10°27	11°36	26°38	1°35	T 5
F 6	5 19 34	19°39'32	17° 6	27°44	9°54	29°25	17°32	19°12	24°21	18°13	14°14	10°24	11°33	26°44	1°33	F 6
S 7	5 23 31	20°40'45	29°35	28°50	11° 6	0♒12	17°27	19°17	24°24	18°12	14°15	10°23	11°30	26°51	1°31	S 7
S 8	5 27 28	21°41'58	12♑15	29°58	12°18	0°59	17°21	19°22	24°26	18°12	14°16	10°D22	11°27	26°58	1°30	S 8
M 9	5 31 24	22°43'11	25° 7	1♐ 9	13°31	1°46	17°16	19°27	24°29	18°11	14°17	10°23	11°24	27° 5	1°28	M 9
T 10	5 35 21	23°44'24	8♒12	2°23	14°43	2°33	17°10	19°32	24°31	18°11	14°19	10°24	11°20	27°11	1°27	T 10
W11	5 39 17	24°45'38	21°30	3°38	15°56	3°20	17° 5	19°38	24°33	18°10	14°20	10°26	11°17	27°18	1°25	W11
T 12	5 43 14	25°46'51	5♓ 2	4°54	17° 9	4° 7	17° 1	19°43	24°36	18°10	14°21	10°27	11°14	27°25	1°24	T 12
F 13	5 47 10	26°48'03	18°49	6°13	18°21	4°54	16°56	19°48	24°38	18° 9	14°22	10°27	11°11	27°31	1°22	F 13
S 14	5 51 7	27°49'15	2♈49	7°32	19°34	5°41	16°51	19°54	24°40	18° 9	14°23	10°R28	11° 8	27°38	1°21	S 14
S 15	5 55 4	28°50'27	17° 3	8°53	20°47	6°28	16°47	19°59	24°42	18° 9	14°25	10°27	11° 4	27°45	1°20	S 15
M16	5 59 0	29°51'39	1♉28	10°15	22° 0	7°15	16°43	20° 5	24°44	18° 8	14°26	10°26	11° 1	27°52	1°18	M16
T 17	6 2 57	0♑52'50	16° 0	11°38	23°13	8° 2	16°39	20°10	24°46	18° 8	14°27	10°25	10°58	27°58	1°17	T 17
W18	6 6 53	1°54'01	0♊35	13° 2	24°26	8°49	16°35	20°16	24°48	18° 8	14°29	10°24	10°55	28° 5	1°16	W18
T 19	6 10 50	2°55'11	15° 5	14°27	25°39	9°36	16°32	20°21	24°50	18° 8	14°30	10°23	10°52	28°12	1°15	T 19
F 20	6 14 46	3°56'22	29°27	15°53	26°52	10°23	16°28	20°27	24°52	18° 7	14°31	10°22	10°49	28°18	1°14	F 20
S 21	6 18 43	4°57'32	13♋33	17°19	28° 5	11°10	16°25	20°33	24°54	18° 7	14°33	10°D22	10°45	28°25	1°13	S 21
S 22	6 22 39	5°58'41	27°20	18°46	29°18	11°57	16°22	20°39	24°56	18° 7	14°34	10°23	10°42	28°32	1°12	S 22
M23	6 26 36	6°59'51	10♌45	20°13	0♐31	12°44	16°19	20°45	24°58	18° 7	14°36	10°23	10°39	28°39	1°11	M23
T 24	6 30 33	8° 1'00	23°49	21°42	1°44	13°31	16°17	20°51	24°59	18°D 7	14°37	10°23	10°36	28°45	1°11	T 24
W25	6 34 29	9° 2'08	6♍31	23°11	2°58	14°18	16°14	20°57	25° 1	18° 7	14°38	10°23	10°33	28°52	1°10	W25
T 26	6 38 26	10° 3'17	18°55	24°40	4°11	15° 5	16°12	21° 3	25° 3	18° 7	14°40	10°R23	10°30	28°59	1° 9	T 26
F 27	6 42 22	11° 4'25	1♎ 4	26°10	5°24	15°52	16°10	21° 9	25° 4	18° 7	14°41	10°23	10°26	29° 5	1° 9	F 27
S 28	6 46 19	12° 5'33	13° 2	27°41	6°38	16°39	16° 8	21°15	25° 6	18° 7	14°43	10°D23	10°23	29°12	1° 8	S 28
S 29	6 50 15	13° 6'41	24°55	29°12	7°51	17°26	16° 7	21°22	25° 7	18° 8	14°44	10°24	10°20	29°19	1° 8	S 29
M30	6 54 12	14° 7'48	6♏47	0♑44	9° 5	18°13	16° 5	21°28	25° 9	18° 8	14°46	10°24	10°17	29°26	1° 7	M30
T 31	6 58 8	15♑ 8'55	18♏42	2♑16	10♐18	19♒ 0	16♉ 4	21♒34	25♎10	18♈ 8	14♒47	10♋24	10♋14	29♎32	1♉ 7	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s40	1s53	5n12	16s10	2n34	10s46	2n15	22s24	1s17	16n20	1s 1	16s42	1s31	8s54	0n33	5n29	1s51	26s48	10s37	23n 8	23n 2	5s31	12n 9	0n 1
M 2	22 47	6 27	4 58	16 27	2 29	11 10	2 15	22 15	1 17	16 18	1 0	16 41	1 31	8 55	0 33	5 29	1 51	26 47	10 37	23 8	23 2	5 33	12 8	0 1
T 3	22 53	10 48	4 32	16 45	2 23	11 34	2 14	22 6	1 16	16 16	1 0	16 39	1 31	8 56	0 33	5 29	1 51	26 47	10 37	23 8	23 3	5 36	12 7	0 1
W 4	22 59	14 47	3 53	17 5	2 16	11 58	2 14	21 56	1 16	16 15	1 0	16 37	1 31	8 57	0 33	5 28	1 51	26 46	10 37	23 9	23 3	5 38	12 7	0 1
T 5	23 4	18 12	3 3	17 26	2 9	12 22	2 13	21 46	1 16	16 13	1 0	16 36	1 31	8 58	0 33	5 28	1 51	26 46	10 37	23 9	23 3	5 41	12 6	0 1
F 6	23 9	20 52	2 5	17 47	2 1	12 46	2 12	21 36	1 15	16 12	0 59	16 34	1 31	8 59	0 33	5 28	1 51	26 45	10 36	23 9	23 3	5 44	12 5	0 1
S 7	23 14	22 34	0 59	18 9	1 54	13 9	2 12	21 26	1 15	16 11	0 59	16 33	1 31	9 0	0 33	5 28	1 51	26 45	10 36	23 9	23 4	5 46	12 4	0 1
S 8	23 18	23 10	0s10	18 31	1 46	13 32	2 11	21 15	1 14	16 9	0 59	16 31	1 30	9 0	0 33	5 28	1 51	26 44	10 36	23 9	23 4	5 49	12 4	0 1
M 9	23 22	22 32	1 21	18 54	1 38	13 55	2 9	21 4	1 14	16 8	0 59	16 29	1 30	9 1	0 33	5 28	1 51	26 44	10 36	23 9	23 4	5 52	12 3	0 0
T 10	23 25	20 41	2 28	19 16	1 30	14 18	2 8	20 53	1 14	16 7	0 58	16 28	1 30	9 2	0 33	5 27	1 51	26 43	10 36	23 9	23 4	5 54	12 3	0 0
W11	23 27	17 41	3 28	19 39	1 22	14 40	2 7	20 42	1 13	16 6	0 58	16 26	1 30	9 3	0 33	5 27	1 51	26 43	10 36	23 9	23 5	5 57	12 2	0 0
T 12	23 30	13 43	4 18	20 1	1 14	15 2	2 6	20 30	1 13	16 4	0 58	16 24	1 30	9 4	0 33	5 27	1 51	26 42	10 35	23 9	23 5	5 59	12 1	0 0
F 13	23 31	8 57	4 54	20 23	1 5	15 23	2 4	20 18	1 12	16 3	0 58	16 23	1 30	9 5	0 33	5 27	1 51	26 42	10 35	23 9	23 5	6 2	12 1	0 0
S 14	23 33	3 40	5 14	20 44	0 57	15 44	2 3	20 7	1 12	16 2	0 57	16 21	1 30	9 5	0 33	5 27	1 51	26 41	10 35	23 9	23 6	6 5	12 0	0 0
S 15	23 33	1n53	5 14	21 5	0 49	16 5	2 1	19 54	1 12	16 1	0 57	16 19	1 30	9 6	0 33	5 27	1 50	26 41	10 35	23 9	23 6	6 7	12 0	0s 0
M16	23 34	7 25	4 56	21 25	0 41	16 26	2 0	19 42	1 11	16 0	0 57	16 17	1 30	9 7	0 33	5 27	1 50	26 40	10 35	23 9	23 6	6 10	11 59	0 0
T 17	23 34	12 36	4 18	21 45	0 33	16 46	1 58	19 29	1 11	16 0	0 57	16 15	1 30	9 8	0 33	5 27	1 50	26 40	10 35	23 9	23 6	6 13	11 59	0 0
W18	23 33	17 4	3 23	22 4	0 25	17 6	1 56	19 17	1 10	15 59	0 56	16 14	1 30	9 8	0 33	5 27	1 50	26 39	10 35	23 9	23 7	6 15	11 58	0 0
T 19	23 32	20 29	2 16	22 22	0 17	17 25	1 55	19 4	1 10	15 58	0 56	16 12	1 30	9 9	0 33	5 27	1 50	26 39	10 34	23 9	23 7	6 18	11 58	0 0
F 20	23 30	22 33	1 0	22 39	0 10	17 44	1 53	18 50	1 9	15 57	0 56	16 10	1 30	9 10	0 33	5 27	1 50	26 38	10 34	23 9	23 7	6 20	11 57	0 0
S 21	23 28	23 10	0n18	22 55	0 2	18 2	1 51	18 37	1 9	15 57	0 56	16 8	1 30	9 10	0 33	5 27	1 50	26 38	10 34	23 9	23 7	6 23	11 57	0 0
S 22	23 26	22 19	1 33	23 10	0s 5	18 20	1 49	18 23	1 8	15 56	0 55	16 6	1 30	9 11	0 33	5 27	1 50	26 37	10 34	23 9	23 8	6 26	11 57	0 1
M23	23 23	20 12	2 41	23 25	0 13	18 38	1 47	18 10	1 8	15 56	0 55	16 4	1 30	9 12	0 33	5 27	1 50	26 37	10 34	23 9	23 8	6 28	11 56	0 1
T 24	23 19	17 5	3 38	23 38	0 20	18 55	1 44	17 56	1 8	15 55	0 55	16 2	1 30	9 12	0 33	5 27	1 50	26 36	10 34	23 9	23 8	6 31	11 56	0 1
W25	23 15	13 15	4 24	23 50	0 27	19 11	1 42	17 41	1 7	15 55	0 55	16 0	1 30	9 13	0 33	5 27	1 50	26 35	10 34	23 9	23 8	6 33	11 56	0 1
T 26	23 11	8 56	4 55	24 1	0 34	19 27	1 40	17 27	1 7	15 54	0 54	15 58	1 30	9 14	0 33	5 27	1 50	26 35	10 34	23 9	23 9	6 36	11 55	0 1
F 27	23 6	4 21	5 13	24 11	0 41	19 43	1 38	17 13	1 6	15 54	0 54	15 56	1 30	9 14	0 33	5 27	1 50	26 34	10 33	23 9	23 9	6 39	11 55	0 1
S 28	23 0	0s19	5 17	24 19	0 47	19 58	1 35	16 58	1 6	15 54	0 54	15 54	1 30	9 15	0 33	5 27	1 50	26 34	10 33	23 9	23 9	6 41	11 55	0 1
S 29	22 55	4 56	5 7	24 27	0 53	20 12	1 33	16 43	1 5	15 53	0 53	15 52	1 29	9 15	0 33	5 27	1 50	26 33	10 33	23 9	23 9	6 44	11 54	0 1
M30	22 48	9 22	4 44	24 33	0 59	20 26	1 30	16 28	1 5	15 53	0 53	15 50	1 29	9 16	0 33	5 27	1 50	26 33	10 33	23 9	23 10	6 47	11 54	0 1
T 31	22s42	13s29	4n 9	24s38	1s 5	20s40	1n28	16s13	1s 4	15n53	0s53	15s48	1s29	9s16	0n33	5n28	1s50	26s32	10s33	23n 9	23n10	6s49	11n54	0s 1

Julian Day Number = 2105269.5, Delta T = 20m34s
Ecliptic obliquity = 23°33'42, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°31'29, Lahiri = 10°38'29 Julian Calendar 1 Dec. 1051 == Greg. Calendar 7 Dec. 1051

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1052
geocentric

JANUARY 1052 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 2 5	16♉10'01	0♐45	3♉49	11♐32	19♒47	16°R 3	21♒41	25♎11	18♈ 8	14♒49	10♋25	10♋10	29♎39	1°R 7	W 1
T 2	7 6 2	17°11'07	13° 0	5°22	12°46	20°34	16♉ 3	21°47	25°13	18° 9	14°50	10°26	10° 7	29°46	1♉ 6	T 2
F 3	7 9 58	18°12'13	25°28	6°56	13°59	21°21	16° 2	21°54	25°14	18° 9	14°52	10°26	10° 4	29°52	1° 6	F 3
S 4	7 13 55	19°13'17	8♉12	8°31	15°13	22° 8	16° 2	22° 0	25°15	18° 9	14°54	10°R26	10° 1	29°59	1° 6	S 4
S 5	7 17 51	20°14'21	21°12	10° 6	16°27	22°55	16°D 2	22° 7	25°16	18°10	14°55	10°26	9°58	0♏ 6	1°D 6	S 5
M 6	7 21 48	21°15'24	4♒28	11°42	17°40	23°42	16° 2	22°14	25°17	18°10	14°57	10°26	9°55	0°13	1° 6	M 6
T 7	7 25 44	22°16'26	18° 0	13°18	18°54	24°28	16° 2	22°20	25°18	18°11	14°58	10°24	9°51	0°19	1° 6	T 7
W 8	7 29 41	23°17'27	1♓44	14°56	20° 8	25°15	16° 2	22°27	25°19	18°11	15° 0	10°23	9°48	0°26	1° 6	W 8
T 9	7 33 37	24°18'27	15°38	16°33	21°22	26° 2	16° 3	22°34	25°20	18°12	15° 2	10°21	9°45	0°33	1° 7	T 9
F 10	7 37 34	25°19'25	29°41	18°12	22°35	26°49	16° 4	22°41	25°21	18°12	15° 3	10°19	9°42	0°39	1° 7	F 10
S 11	7 41 31	26°20'22	13♈48	19°51	23°49	27°36	16° 5	22°47	25°21	18°13	15° 5	10°18	9°39	0°46	1° 7	S 11
S 12	7 45 27	27°21'18	27°58	21°30	25° 3	28°22	16° 6	22°54	25°22	18°14	15° 6	10°D18	9°35	0°53	1° 8	S 12
M13	7 49 24	28°22'12	12♉ 9	23°11	26°17	29° 9	16° 8	23° 1	25°23	18°14	15° 8	10°18	9°32	1° 0	1° 8	M13
T 14	7 53 20	29°23'05	26°19	24°52	27°31	29°56	16°10	23° 8	25°23	18°15	15°10	10°19	9°29	1° 6	1° 9	T 14
W15	7 57 17	0♒23'56	10♊25	26°34	28°44	0♓42	16°12	23°15	25°24	18°16	15°11	10°21	9°26	1°13	1° 9	W15
T 16	8 1 13	1°24'46	24°26	28°17	29°58	1°29	16°14	23°22	25°24	18°16	15°13	10°22	9°23	1°20	1°10	T 16
F 17	8 5 10	2°25'35	8♋18	29°59	1♉12	2°16	16°16	23°29	25°25	18°17	15°15	10°R22	9°20	1°26	1°11	F 17
S 18	8 9 6	3°26'22	21°59	1♒44	2°26	3° 2	16°18	23°36	25°25	18°18	15°17	10°22	9°16	1°33	1°11	S 18
S 19	8 13 3	4°27'08	5♌27	3°29	3°40	3°49	16°21	23°43	25°25	18°19	15°18	10°20	9°13	1°40	1°12	S 19
M20	8 17 0	5°27'52	18°40	5°15	4°54	4°35	16°24	23°50	25°26	18°20	15°20	10°17	9°10	1°47	1°13	M20
T 21	8 20 56	6°28'35	1♍36	7° 1	6° 8	5°22	16°27	23°57	25°26	18°21	15°22	10°13	9° 7	1°53	1°14	T 21
W22	8 24 53	7°29'17	14°15	8°48	7°22	6° 8	16°30	24° 5	25°26	18°22	15°23	10° 9	9° 4	2° 0	1°15	W22
T 23	8 28 49	8°29'57	26°39	10°36	8°36	6°55	16°34	24°12	25°26	18°23	15°25	10° 4	9° 1	2° 7	1°16	T 23
F 24	8 32 46	9°30'37	8♎49	12°25	9°50	7°41	16°38	24°19	25°R26	18°24	15°27	10° 0	8°57	2°13	1°17	F 24
S 25	8 36 42	10°31'15	20°49	14°14	11° 4	8°28	16°41	24°26	25°26	18°25	15°28	9°57	8°54	2°20	1°19	S 25
S 26	8 40 39	11°31'51	2♏43	16° 4	12°18	9°14	16°45	24°33	25°26	18°26	15°30	9°55	8°51	2°27	1°20	S 26
M27	8 44 35	12°32'27	14°34	17°54	13°32	10° 0	16°50	24°41	25°26	18°27	15°32	9°D54	8°48	2°34	1°21	M27
T 28	8 48 32	13°33'01	26°29	19°45	14°46	10°47	16°54	24°48	25°26	18°28	15°34	9°55	8°45	2°40	1°22	T 28
W29	8 52 29	14°33'34	8♐32	21°37	16° 0	11°33	16°59	24°55	25°25	18°29	15°35	9°57	8°41	2°47	1°24	W29
T 30	8 56 25	15°34'05	20°47	23°28	17°14	12°19	17° 3	25° 2	25°25	18°31	15°37	9°58	8°38	2°54	1°25	T 30
F 31	9 0 22	16♒34'36	3♉20	25♒20	18♉28	13♓ 5	17♉ 8	25♒10	25♎25	18♈32	15♒39	10♋ 0	8♋35	3♏ 0	1♉27	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	22s35	17s 6	3n23	24s41	1s11	20s52	1n25	15s58	1s 4	15n53	0s53	15s46	1s29	9s17	0n34	5n28	1s49	26s32	10s33	23n 9	23n10	6s52	11n54	0s 1	
T 2	22 27	20 3	2 26	24 43	1 16	21 5	1 23	15 42	1 3	15 53	0 52	15 43	1 29	9 17	0 34	5 28	1 49	26 31	10 33	23 9	23 10	6 54	11 54	0 1	
F 3	22 19	22 7	1 22	24 44	1 21	21 16	1 20	15 27	1 3	15 53	0 52	15 41	1 29	9 17	0 34	5 28	1 49	26 30	10 33	23 9	23 11	6 57	11 54	0 2	
S 4	22 11	23 6	0 12	24 43	1 26	21 27	1 17	15 11	1 2	15 54	0 52	15 39	1 29	9 18	0 34	5 28	1 49	26 30	10 33	23 9	23 11	7 0	11 54	0 2	
S 5	22 2	22 51	0s59	24 41	1 31	21 38	1 15	14 55	1 1	15 54	0 51	15 37	1 29	9 18	0 34	5 29	1 49	26 29	10 33	23 9	23 11	7 2	11 53	0 2	
M 6	21 52	21 20	2 9	24 38	1 35	21 48	1 12	14 39	1 1	15 54	0 51	15 35	1 29	9 19	0 34	5 29	1 49	26 29	10 33	23 9	23 11	7 5	11 53	0 2	
T 7	21 43	18 35	3 13	24 33	1 40	21 57	1 9	14 23	1 0	15 54	0 51	15 33	1 29	9 19	0 34	5 29	1 49	26 28	10 33	23 9	23 12	7 8	11 53	0 2	
W 8	21 32	14 45	4 7	24 26	1 43	22 5	1 6	14 6	1 0	15 55	0 51	15 30	1 29	9 19	0 34	5 29	1 49	26 28	10 33	23 9	23 12	7 10	11 53	0 2	
T 9	21 22	10 6	4 47	24 18	1 47	22 13	1 4	13 50	0 59	15 55	0 50	15 28	1 29	9 19	0 34	5 30	1 49	26 27	10 33	23 9	23 12	7 13	11 53	0 2	
F 10	21 11	4 52	5 10	24 8	1 50	22 21	1 1	13 33	0 59	15 56	0 50	15 26	1 29	9 20	0 34	5 30	1 49	26 27	10 32	23 9	23 12	7 15	11 53	0 2	
S 11	21 0	0n38	5 15	23 57	1 53	22 27	0 58	13 17	0 58	15 56	0 50	15 24	1 29	9 20	0 34	5 30	1 49	26 26	10 32	23 10	23 13	7 18	11 53	0 2	
S 12	20 48	6 7	5 1	23 44	1 56	22 33	0 55	13 0	0 58	15 57	0 50	15 21	1 29	9 20	0 34	5 30	1 49	26 26	10 32	23 10	23 13	7 21	11 53	0 2	
M13	20 36	11 18	4 28	23 30	1 58	22 38	0 52	12 43	0 57	15 58	0 49	15 19	1 29	9 20	0 34	5 31	1 49	26 25	10 32	23 10	23 13	7 23	11 54	0 2	
T 14	20 23	15 52	3 40	23 14	2 0	22 43	0 49	12 26	0 57	15 59	0 49	15 17	1 29	9 21	0 34	5 31	1 49	26 24	10 32	23 9	23 13	7 26	11 54	0 2	
W15	20 10	19 31	2 38	22 56	2 1	22 47	0 46	12 9	0 56	15 59	0 49	15 14	1 29	9 21	0 34	5 31	1 49	26 24	10 32	23 9	23 13	7 28	11 54	0 2	
T 16	19 57	22 0	1 27	22 37	2 3	22 50	0 43	11 52	0 55	16 0	0 48	15 12	1 29	9 21	0 34	5 32	1 49	26 23	10 32	23 9	23 14	7 31	11 54	0 3	
F 17	19 43	23 7	0 11	22 16	2 3	22 53	0 40	11 34	0 55	16 1	0 48	15 10	1 29	9 21	0 34	5 32	1 48	26 23	10 32	23 9	23 14	7 34	11 54	0 3	
S 18	19 29	22 48	1n 4	21 53	2 4	22 55	0 37	11 17	0 54	16 2	0 48	15 7	1 29	9 21	0 34	5 32	1 48	26 22	10 32	23 9	23 14	7 36	11 54	0 3	
S 19	19 15	21 10	2 14	21 29	2 4	22 56	0 34	11 0	0 54	16 3	0 48	15 5	1 29	9 21	0 34	5 33	1 48	26 22	10 32	23 9	23 14	7 39	11 55	0 3	
M20	19 0	18 24	3 15	21 2	2 3	22 57	0 31	10 42	0 53	16 4	0 47	15 3	1 29	9 21	0 34	5 33	1 48	26 21	10 32	23 10	23 15	7 42	11 55	0 3	
T 21	18 45	14 46	4 5	20 35	2 2	22 57	0 28	10 24	0 52	16 5	0 47	15 0	1 29	9 21	0 34	5 34	1 48	26 21	10 32	23 10	23 15	7 44	11 55	0 3	
W22	18 30	10 33	4 42	20 5	2 0	22 56	0 26	10 6	0 52	16 7	0 47	14 58	1 29	9 21	0 34	5 34	1 48	26 20	10 32	23 10	23 15	7 47	11 55	0 3	
T 23	18 14	5 59	5 4	19 34	1 58	22 54	0 23	9 49	0 51	16 8	0 47	14 56	1 29	9 21	0 34	5 35	1 48	26 20	10 32	23 11	23 15	7 49	11 56	0 3	
F 24	17 58	1 16	5 13	19 1	1 56	22 52	0 20	9 31	0 51	16 9	0 46	14 53	1 29	9 21	0 34	5 35	1 48	26 19	10 32	23 11	23 15	7 52	11 56	0 3	
S 25	17 41	3s25	5 7	18 26	1 53	22 49	0 17	9 13	0 50	16 10	0 46	14 51	1 29	9 21	0 34	5 35	1 48	26 19	10 32	23 11	23 16	7 55	11 56	0 3	
S 26	17 25	7 57	4 48	17 50	1 49	22 46	0 14	8 55	0 49	16 12	0 46	14 48	1 29	9 21	0 34	5 36	1 48	26 18	10 32	23 11	23 16	7 57	11 57	0 3	
M27	17 8	12 11	4 18	17 12	1 45	22 41	0 11	8 37	0 49	16 13	0 46	14 46	1 29	9 21	0 34	5 36	1 48	26 18	10 32	23 11	23 16	8 0	11 57	0 3	
T 28	16 50	15 59	3 35	16 33	1 40	22 37	0 8	8 18	0 48	16 15	0 45	14 44	1 29	9 21	0 34	5 37	1 48	26 17	10 32	23 11	23 16	8 2	11 57	0 3	
W29	16 33	19 9	2 43	15 52	1 34	22 31	0 5	8 0	0 48	16 16	0 45	14 41	1 29	9 21	0 34	5 37	1 48	26 17	10 32	23 11	23 17	8 5	11 58	0 3	
T 30	16 15	21 32	1 43	15 9	1 28	22 25	0 2	7 42	0 47	16 18	0 45	14 39	1 30	9 21	0 34	5 38	1 48	26 16	10 33	23 11	23 17	8 8	11 58	0 4	
F 31	15s57	22s55	0n36	14s25	1s22	22s18	0s 1	7s23	0s46	16n20	0s45	14s36	1s30	9s21	0n34	5n38	1s48	26s16	10s33	23n11	23n17	8s10	11n59	0s 4	

Julian Day Number = 2105300.5, Delta T = 20m34s
Ecliptic obliquity = 23°33'42, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°31'33, Lahiri = 10°38'33 Julian Calendar 1 Jan. 1052 == Greg. Calendar 7 Jan. 1052

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1052
geocentric

FEBRUARY 1052 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 4 18	17♒35'04	16♉13	27♒11	19♉42	13♓52	17♉13	25♒17	25°R24	18♈33	15♒40	10°R 0	8♋32	3♏ 7	1♉28	S 1
S 2	9 8 15	18°35'32	29°28	29° 2	20°56	14°38	17°19	25°24	25♎24	18°35	15°42	9♋58	8°29	3°14	1°30	S 2
M 3	9 12 11	19°35'57	13♒ 6	0♓53	22°10	15°24	17°24	25°32	25°23	18°36	15°44	9°54	8°26	3°21	1°32	M 3
T 4	9 16 8	20°36'21	27° 3	2°43	23°24	16°10	17°30	25°39	25°23	18°37	15°46	9°49	8°22	3°27	1°34	T 4
W 5	9 20 4	21°36'43	11♓16	4°31	24°39	16°56	17°35	25°46	25°22	18°39	15°47	9°42	8°19	3°34	1°35	W 5
T 6	9 24 1	22°37'03	25°41	6°18	25°53	17°42	17°41	25°54	25°22	18°40	15°49	9°35	8°16	3°41	1°37	T 6
F 7	9 27 58	23°37'22	10♈ 9	8° 3	27° 7	18°28	17°48	26° 1	25°21	18°42	15°51	9°29	8°13	3°47	1°39	F 7
S 8	9 31 54	24°37'38	24°36	9°45	28°21	19°14	17°54	26° 9	25°20	18°43	15°52	9°24	8°10	3°54	1°41	S 8
S 9	9 35 51	25°37'52	8♉58	11°24	29°35	20° 0	18° 0	26°16	25°19	18°44	15°54	9°20	8° 7	4° 1	1°43	S 9
M10	9 39 47	26°38'04	23° 9	13° 0	0♒49	20°45	18° 7	26°23	25°18	18°46	15°56	9°D19	8° 3	4° 8	1°45	M10
T 11	9 43 44	27°38'14	7♊10	14°32	2° 3	21°31	18°14	26°31	25°17	18°48	15°57	9°19	8° 0	4°14	1°47	T 11
W12	9 47 40	28°38'21	20°59	15°59	3°17	22°17	18°21	26°38	25°16	18°49	15°59	9°20	7°57	4°21	1°50	W12
T 13	9 51 37	29°38'27	4♋36	17°20	4°31	23° 3	18°28	26°45	25°15	18°51	16° 1	9°R21	7°54	4°28	1°52	T 13
F 14	9 55 33	0♓38'30	18° 3	18°36	5°45	23°48	18°35	26°53	25°14	18°52	16° 3	9°21	7°51	4°34	1°54	F 14
S 15	9 59 30	1°38'32	1♌18	19°46	6°59	24°34	18°42	27° 0	25°13	18°54	16° 4	9°19	7°47	4°41	1°56	S 15
S 16	10 3 27	2°38'31	14°22	20°48	8°13	25°20	18°50	27° 7	25°12	18°56	16° 6	9°14	7°44	4°48	1°59	S 16
M17	10 7 23	3°38'28	27°15	21°44	9°28	26° 5	18°57	27°15	25°11	18°57	16° 8	9° 7	7°41	4°54	2° 1	M17
T 18	10 11 20	4°38'23	9♍56	22°31	10°42	26°51	19° 5	27°22	25°10	18°59	16° 9	8°57	7°38	5° 1	2° 4	T 18
W19	10 15 16	5°38'16	22°25	23°10	11°56	27°36	19°13	27°29	25° 8	19° 1	16°11	8°47	7°35	5° 8	2° 6	W19
T 20	10 19 13	6°38'07	4♎42	23°41	13°10	28°21	19°21	27°37	25° 7	19° 3	16°12	8°36	7°32	5°15	2° 9	T 20
F 21	10 23 9	7°37'56	16°49	24° 3	14°24	29° 7	19°29	27°44	25° 6	19° 4	16°14	8°25	7°28	5°21	2°11	F 21
S 22	10 27 6	8°37'44	28°47	24°17	15°38	29°52	19°38	27°51	25° 4	19° 6	16°16	8°17	7°25	5°28	2°14	S 22
S 23	10 31 2	9°37'29	10♏39	24°R22	16°52	0♈37	19°46	27°59	25° 3	19° 8	16°17	8°10	7°22	5°35	2°17	S 23
M24	10 34 59	10°37'13	22°30	24°18	18° 6	1°23	19°55	28° 6	25° 1	19°10	16°19	8° 6	7°19	5°41	2°20	M24
T 25	10 38 56	11°36'55	4♐22	24° 6	19°20	2° 8	20° 4	28°13	24°59	19°12	16°20	8° 4	7°16	5°48	2°22	T 25
W26	10 42 52	12°36'36	16°23	23°46	20°34	2°53	20°12	28°20	24°58	19°14	16°22	8°D 4	7°13	5°55	2°25	W26
T 27	10 46 49	13°36'14	28°36	23°19	21°48	3°38	20°21	28°27	24°56	19°15	16°24	8° 4	7° 9	6° 2	2°28	T 27
F 28	10 50 45	14°35'51	11♑ 8	22°46	23° 2	4°23	20°31	28°35	24°54	19°17	16°25	8°R 5	7° 6	6° 8	2°31	F 28
S 29	10 54 42	15♓35'26	24♑ 2	22♓ 6	24♒16	5♈ 8	20♉40	28♒42	24♎53	19♈19	16♒27	8♋ 3	7♋ 3	6♏15	2♉34	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	15s39	23s 8	0s34	13s40	1s14	22s10	0s 4	7s 5	0s46	16n21	0s44	14s34	1s30	9s21	0n34	5n39	1s48	26s15	10s33	23n11	23n17	8s13	11n59	0s 4	
S 2	15 20	22 4	1 44	12 54	1 6	22 2	0 6	6 47	0 45	16 23	0 44	14 31	1 30	9 20	0 34	5 39	1 48	26 15	10 33	23 11	23 17	8 15	12 0	0 4	
M 3	15 1	19 41	2 50	12 7	0 57	21 53	0 9	6 28	0 44	16 25	0 44	14 29	1 30	9 20	0 34	5 40	1 48	26 14	10 33	23 11	23 18	8 18	12 0	0 4	
T 4	14 42	16 7	3 47	11 18	0 48	21 43	0 12	6 10	0 44	16 27	0 44	14 26	1 30	9 20	0 34	5 41	1 48	26 14	10 33	23 12	23 18	8 21	12 1	0 4	
W 5	14 22	11 33	4 32	10 29	0 38	21 33	0 15	5 51	0 43	16 28	0 43	14 24	1 30	9 20	0 34	5 41	1 47	26 13	10 33	23 12	23 18	8 23	12 1	0 4	
T 6	14 3	6 18	5 0	9 40	0 27	21 22	0 17	5 32	0 43	16 30	0 43	14 22	1 30	9 20	0 34	5 42	1 47	26 13	10 33	23 13	23 18	8 26	12 2	0 4	
F 7	13 43	0 41	5 8	8 50	0 16	21 10	0 20	5 14	0 42	16 32	0 43	14 19	1 30	9 19	0 34	5 42	1 47	26 12	10 33	23 13	23 18	8 29	12 3	0 4	
S 8	13 23	4n58	4 58	8 1	0 4	20 58	0 23	4 55	0 41	16 34	0 43	14 17	1 30	9 19	0 34	5 43	1 47	26 12	10 33	23 14	23 19	8 31	12 3	0 4	
S 9	13 3	10 19	4 28	7 11	0n 9	20 45	0 25	4 36	0 41	16 36	0 42	14 14	1 30	9 19	0 34	5 44	1 47	26 11	10 33	23 14	23 19	8 34	12 4	0 4	
M10	12 42	15 4	3 43	6 23	0 22	20 32	0 28	4 18	0 40	16 38	0 42	14 12	1 30	9 18	0 34	5 44	1 47	26 11	10 33	23 14	23 19	8 36	12 5	0 4	
T 11	12 21	18 55	2 45	5 35	0 35	20 18	0 31	3 59	0 39	16 40	0 42	14 9	1 30	9 18	0 34	5 45	1 47	26 11	10 33	23 14	23 19	8 39	12 5	0 4	
W12	12 0	21 38	1 37	4 48	0 49	20 3	0 33	3 40	0 39	16 43	0 42	14 7	1 30	9 18	0 34	5 45	1 47	26 10	10 34	23 14	23 19	8 42	12 6	0 5	
T 13	11 39	23 3	0 26	4 3	1 3	19 48	0 36	3 21	0 38	16 45	0 41	14 4	1 30	9 17	0 35	5 46	1 47	26 10	10 34	23 14	23 20	8 44	12 7	0 5	
F 14	11 18	23 6	0n47	3 21	1 17	19 33	0 38	3 3	0 37	16 47	0 41	14 2	1 30	9 17	0 35	5 47	1 47	26 9	10 34	23 14	23 20	8 47	12 7	0 5	
S 15	10 57	21 51	1 55	2 40	1 32	19 16	0 40	2 44	0 37	16 49	0 41	13 59	1 30	9 16	0 35	5 47	1 47	26 9	10 34	23 14	23 20	8 49	12 8	0 5	
S 16	10 35	19 25	2 56	2 2	1 46	18 59	0 43	2 25	0 36	16 51	0 41	13 57	1 30	9 16	0 35	5 48	1 47	26 8	10 34	23 14	23 20	8 52	12 9	0 5	
M17	10 13	16 3	3 48	1 28	2 0	18 42	0 45	2 6	0 36	16 54	0 41	13 54	1 30	9 15	0 35	5 49	1 47	26 8	10 34	23 15	23 20	8 55	12 10	0 5	
T 18	9 51	12 0	4 27	0 56	2 14	18 24	0 47	1 48	0 35	16 56	0 40	13 52	1 31	9 15	0 35	5 50	1 47	26 8	10 34	23 15	23 20	8 57	12 10	0 5	
W19	9 29	7 29	4 52	0 29	2 27	18 6	0 49	1 29	0 34	16 59	0 40	13 49	1 31	9 14	0 35	5 50	1 47	26 7	10 34	23 16	23 21	9 0	12 11	0 5	
T 20	9 7	2 46	5 3	0 5	2 39	17 47	0 52	1 10	0 34	17 1	0 40	13 47	1 31	9 14	0 35	5 51	1 47	26 7	10 35	23 17	23 21	9 2	12 12	0 5	
F 21	8 45	2s 1	5 1	0n14	2 51	17 27	0 54	0 51	0 33	17 3	0 40	13 44	1 31	9 13	0 35	5 52	1 47	26 7	10 35	23 18	23 21	9 5	12 13	0 5	
S 22	8 23	6 39	4 45	0 30	3 2	17 7	0 56	0 33	0 32	17 6	0 39	13 42	1 31	9 13	0 35	5 52	1 47	26 6	10 35	23 18	23 21	9 8	12 14	0 5	
S 23	8 0	11 1	4 17	0 40	3 11	16 47	0 58	0 14	0 32	17 8	0 39	13 40	1 31	9 12	0 35	5 53	1 47	26 6	10 35	23 19	23 21	9 10	12 15	0 5	
M24	7 37	14 58	3 38	0 47	3 20	16 26	1 0	0n 5	0 31	17 11	0 39	13 37	1 31	9 12	0 35	5 54	1 47	26 5	10 35	23 19	23 22	9 13	12 15	0 5	
T 25	7 15	18 21	2 50	0 48	3 27	16 4	1 2	0 23	0 30	17 13	0 39	13 35	1 31	9 11	0 35	5 55	1 47	26 5	10 35	23 19	23 22	9 15	12 16	0 5	
W26	6 52	20 59	1 53	0 45	3 32	15 43	1 3	0 42	0 30	17 16	0 39	13 32	1 31	9 10	0 35	5 55	1 47	26 5	10 35	23 19	23 22	9 18	12 17	0 6	
T 27	6 29	22 43	0 50	0 38	3 36	15 20	1 5	1 1	0 29	17 19	0 38	13 30	1 31	9 10	0 35	5 56	1 47	26 4	10 36	23 19	23 22	9 21	12 18	0 6	
F 28	6 6	23 22	0s16	0 26	3 37	14 58	1 7	1 19	0 28	17 21	0 38	13 27	1 31	9 9	0 35	5 57	1 46	26 4	10 36	23 19	23 22	9 23	12 19	0 6	
S 29	5s43	22s47	1s24	0n11	3n37	14s34	1s 9	1n38	0s28	17n24	0s38	13s25	1s31	9s 9	0n35	5n58	1s46	26s 4	10s36	23n19	23n22	9s26	12n20	0s 6	

Julian Day Number = 2105331.5, Delta T = 20m33s
Ecliptic obliquity = 23°33'42, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°31'37, Lahiri = 10°38'38 Julian Calendar 1 Feb. 1052 == Greg. Calendar 7 Feb. 1052

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1052
geocentric

MARCH 1052 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 58 38	16♓34'59	7♒22	21°R22	25♒31	5♈53	20♉49	28♒49	24°R51	19♈21	16♒28	8°R 0	7♋ 0	6♏22	2♉37	S 1
M 2	11 2 35	17°34'31	21°10	20♓34	26°45	6°38	20°59	28°56	24♎49	19°23	16°30	7♋54	6°57	6°28	2°40	M 2
T 3	11 6 31	18°34'00	5♓24	19°43	27°59	7°23	21° 8	29° 3	24°47	19°25	16°31	7°46	6°53	6°35	2°43	T 3
W 4	11 10 28	19°33'27	19°59	18°50	29°13	8° 8	21°18	29°10	24°45	19°27	16°33	7°35	6°50	6°42	2°46	W 4
T 5	11 14 25	20°32'52	4♈49	17°57	0♓27	8°53	21°28	29°17	24°43	19°29	16°34	7°24	6°47	6°48	2°49	T 5
F 6	11 18 21	21°32'15	19°45	17° 5	1°41	9°37	21°38	29°24	24°41	19°31	16°36	7°14	6°44	6°55	2°52	F 6
S 7	11 22 18	22°31'36	4♉37	16°14	2°55	10°22	21°48	29°31	24°40	19°33	16°37	7° 5	6°41	7° 2	2°56	S 7
S 8	11 26 14	23°30'54	19°18	15°25	4° 9	11° 7	21°58	29°38	24°37	19°35	16°39	6°59	6°38	7° 9	2°59	S 8
M 9	11 30 11	24°30'10	3♊43	14°40	5°23	11°51	22° 8	29°45	24°35	19°38	16°40	6°55	6°34	7°15	3° 2	M 9
T 10	11 34 7	25°29'24	17°48	13°59	6°37	12°36	22°18	29°52	24°33	19°40	16°41	6°54	6°31	7°22	3° 5	T 10
W11	11 38 4	26°28'36	1♋34	13°22	7°51	13°20	22°29	29°59	24°31	19°42	16°43	6°54	6°28	7°29	3° 9	W11
T 12	11 42 0	27°27'45	15° 1	12°51	9° 5	14° 5	22°39	0♓ 6	24°29	19°44	16°44	6°54	6°25	7°35	3°12	T 12
F 13	11 45 57	28°26'51	28°12	12°24	10°19	14°49	22°50	0°13	24°27	19°46	16°46	6°52	6°22	7°42	3°15	F 13
S 14	11 49 53	29°25'56	11♌ 9	12° 3	11°33	15°34	23° 1	0°19	24°25	19°48	16°47	6°49	6°18	7°49	3°19	S 14
S 15	11 53 50	0♈24'58	23°53	11°48	12°47	16°18	23°12	0°26	24°22	19°50	16°48	6°42	6°15	7°56	3°22	S 15
M16	11 57 47	1°23'57	6♍27	11°38	14° 1	17° 2	23°23	0°33	24°20	19°52	16°50	6°33	6°12	8° 2	3°26	M16
T 17	12 1 43	2°22'55	18°52	11°D34	15°15	17°46	23°34	0°40	24°18	19°55	16°51	6°21	6° 9	8° 9	3°29	T 17
W18	12 5 40	3°21'50	1♎ 7	11°35	16°29	18°30	23°45	0°46	24°16	19°57	16°52	6° 7	6° 6	8°16	3°33	W18
T 19	12 9 36	4°20'43	13°15	11°42	17°43	19°15	23°56	0°53	24°13	19°59	16°53	5°53	6° 3	8°22	3°36	T 19
F 20	12 13 33	5°19'34	25°15	11°54	18°57	19°59	24° 7	0°59	24°11	20° 1	16°55	5°39	5°59	8°29	3°40	F 20
S 21	12 17 29	6°18'24	7♏ 9	12°10	20°11	20°43	24°19	1° 6	24° 9	20° 3	16°56	5°27	5°56	8°36	3°44	S 21
S 22	12 21 26	7°17'11	19° 0	12°32	21°25	21°26	24°30	1°12	24° 6	20° 6	16°57	5°18	5°53	8°42	3°47	S 22
M23	12 25 22	8°15'57	0♐49	12°58	22°39	22°10	24°42	1°19	24° 4	20° 8	16°58	5°12	5°50	8°49	3°51	M23
T 24	12 29 19	9°14'40	12°41	13°29	23°53	22°54	24°53	1°25	24° 1	20°10	16°59	5° 8	5°47	8°56	3°55	T 24
W25	12 33 16	10°13'22	24°41	14° 3	25° 6	23°38	25° 5	1°31	23°59	20°12	17° 1	5° 6	5°44	9° 3	3°58	W25
T 26	12 37 12	11°12'03	6♑52	14°42	26°20	24°22	25°17	1°38	23°56	20°14	17° 2	5° 6	5°40	9° 9	4° 2	T 26
F 27	12 41 9	12°10'41	19°20	15°24	27°34	25° 5	25°29	1°44	23°54	20°17	17° 3	5° 6	5°37	9°16	4° 6	F 27
S 28	12 45 5	13° 9'18	2♒11	16°10	28°48	25°49	25°40	1°50	23°52	20°19	17° 4	5° 5	5°34	9°23	4°10	S 28
S 29	12 49 2	14° 7'53	15°28	17° 0	0♈ 2	26°33	25°52	1°56	23°49	20°21	17° 5	5° 2	5°31	9°29	4°13	S 29
M30	12 52 58	15° 6'27	29°15	17°52	1°16	27°16	26° 4	2° 2	23°47	20°23	17° 6	4°56	5°28	9°36	4°17	M30
T 31	12 56 55	16♈ 4'58	13♓31	18♓48	2♈30	28♈ 0	26♉17	2♓ 8	23♎44	20♈26	17♒ 7	4♋48	5♋24	9♏43	4♉21	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s19	20s55	2s29	0s 8	3n36	14s11	1s10	1n56	0s27	17n27	0s38	13s23	1s32	9s 8	0n35	5n58	1s46	26s 3	10s36	23n19	23n23	9s28	12n21	0s 6
M 2	4 56	17 47	3 28	0 31	3 32	13 47	1 12	2 15	0 26	17 29	0 38	13 20	1 32	9 7	0 35	5 59	1 46	26 3	10 36	23 19	23 23	9 31	12 22	0 6
T 3	4 33	13 32	4 15	0 56	3 26	13 23	1 13	2 33	0 26	17 32	0 37	13 18	1 32	9 6	0 35	6 0	1 46	26 3	10 37	23 20	23 23	9 33	12 23	0 6
W 4	4 9	8 23	4 47	1 23	3 19	12 58	1 15	2 51	0 25	17 35	0 37	13 15	1 32	9 6	0 35	6 1	1 46	26 3	10 37	23 21	23 23	9 36	12 24	0 6
T 5	3 46	2 41	5 1	1 52	3 10	12 33	1 16	3 10	0 24	17 37	0 37	13 13	1 32	9 5	0 35	6 1	1 46	26 2	10 37	23 21	23 23	9 39	12 25	0 6
F 6	3 22	3n13	4 54	2 23	2 59	12 8	1 17	3 28	0 24	17 40	0 37	13 11	1 32	9 4	0 35	6 2	1 46	26 2	10 37	23 22	23 23	9 41	12 26	0 6
S 7	2 59	8 55	4 28	2 53	2 48	11 42	1 18	3 46	0 23	17 43	0 37	13 8	1 32	9 4	0 35	6 3	1 46	26 2	10 37	23 22	23 24	9 44	12 27	0 6
S 8	2 35	14 3	3 44	3 24	2 35	11 16	1 20	4 5	0 22	17 46	0 36	13 6	1 32	9 3	0 35	6 4	1 46	26 1	10 38	23 23	23 24	9 46	12 28	0 6
M 9	2 12	18 17	2 46	3 54	2 21	10 50	1 21	4 23	0 22	17 49	0 36	13 3	1 32	9 2	0 35	6 5	1 46	26 1	10 38	23 23	23 24	9 49	12 29	0 6
T 10	1 48	21 21	1 39	4 24	2 6	10 24	1 22	4 41	0 21	17 52	0 36	13 1	1 33	9 1	0 35	6 5	1 46	26 1	10 38	23 23	23 24	9 52	12 30	0 6
W11	1 24	23 5	0 28	4 52	1 51	9 57	1 23	4 59	0 20	17 54	0 36	12 59	1 33	9 1	0 35	6 6	1 46	26 1	10 38	23 23	23 24	9 54	12 31	0 7
T 12	1 1	23 25	0n43	5 18	1 35	9 30	1 24	5 17	0 20	17 57	0 36	12 56	1 33	9 0	0 35	6 7	1 46	26 0	10 38	23 23	23 24	9 57	12 32	0 7
F 13	0 37	22 25	1 50	5 43	1 20	9 2	1 25	5 35	0 19	18 0	0 36	12 54	1 33	8 59	0 35	6 8	1 46	26 0	10 39	23 23	23 24	9 59	12 34	0 7
S 14	0 14	20 15	2 50	6 5	1 4	8 35	1 25	5 52	0 18	18 3	0 35	12 52	1 33	8 58	0 35	6 9	1 46	26 0	10 39	23 23	23 25	10 2	12 35	0 7
S 15	0n10	17 6	3 41	6 26	0 48	8 7	1 26	6 10	0 18	18 6	0 35	12 50	1 33	8 57	0 35	6 10	1 46	26 0	10 39	23 23	23 25	10 4	12 36	0 7
M16	0 34	13 12	4 20	6 44	0 33	7 39	1 27	6 28	0 17	18 9	0 35	12 47	1 33	8 56	0 35	6 10	1 46	26 0	10 39	23 24	23 25	10 7	12 37	0 7
T 17	0 57	8 48	4 46	6 59	0 18	7 11	1 27	6 45	0 16	18 12	0 35	12 45	1 33	8 56	0 35	6 11	1 46	25 59	10 40	23 25	23 25	10 10	12 38	0 7
W18	1 21	4 7	4 58	7 12	0 3	6 42	1 28	7 3	0 16	18 15	0 35	12 43	1 34	8 55	0 35	6 12	1 46	25 59	10 40	23 25	23 25	10 12	12 39	0 7
T 19	1 44	0s42	4 57	7 23	0s11	6 14	1 28	7 20	0 15	18 18	0 35	12 41	1 34	8 54	0 35	6 13	1 46	25 59	10 40	23 26	23 25	10 15	12 40	0 7
F 20	2 8	5 26	4 43	7 31	0 25	5 45	1 29	7 38	0 14	18 21	0 34	12 38	1 34	8 53	0 35	6 14	1 46	25 59	10 40	23 26	23 26	10 17	12 41	0 7
S 21	2 31	9 57	4 16	7 37	0 38	5 16	1 29	7 55	0 14	18 24	0 34	12 36	1 34	8 52	0 35	6 15	1 46	25 59	10 41	23 27	23 26	10 20	12 43	0 7
S 22	2 54	14 4	3 38	7 40	0 50	4 47	1 29	8 12	0 13	18 27	0 34	12 34	1 34	8 51	0 35	6 15	1 46	25 59	10 41	23 27	23 26	10 23	12 44	0 7
M23	3 18	17 39	2 51	7 41	1 2	4 18	1 29	8 29	0 12	18 30	0 34	12 32	1 34	8 50	0 35	6 16	1 46	25 59	10 41	23 28	23 26	10 25	12 45	0 7
T 24	3 41	20 31	1 56	7 39	1 13	3 49	1 29	8 46	0 12	18 33	0 34	12 30	1 34	8 49	0 35	6 17	1 46	25 58	10 41	23 28	23 26	10 28	12 46	0 7
W25	4 4	22 32	0 55	7 36	1 24	3 19	1 29	9 3	0 11	18 36	0 34	12 28	1 35	8 49	0 35	6 18	1 46	25 58	10 42	23 28	23 26	10 30	12 47	0 8
T 26	4 27	23 32	0s 9	7 30	1 34	2 50	1 29	9 20	0 11	18 39	0 33	12 25	1 35	8 48	0 35	6 19	1 46	25 58	10 42	23 28	23 26	10 33	12 49	0 8
F 27	4 50	23 23	1 15	7 22	1 43	2 20	1 29	9 36	0 10	18 41	0 33	12 23	1 35	8 47	0 35	6 20	1 46	25 58	10 42	23 28	23 27	10 35	12 50	0 8
S 28	5 13	22 1	2 18	7 12	1 52	1 50	1 29	9 53	0 9	18 44	0 33	12 21	1 35	8 46	0 35	6 21	1 46	25 58	10 42	23 28	23 27	10 38	12 51	0 8
S 29	5 36	19 24	3 16	7 0	2 0	1 21	1 29	10 9	0 9	18 47	0 33	12 19	1 35	8 45	0 35	6 21	1 46	25 58	10 43	23 28	23 27	10 41	12 52	0 8
M30	5 59	15 37	4 5	6 46	2 8	0 51	1 29	10 26	0 8	18 50	0 33	12 17	1 35	8 44	0 35	6 22	1 46	25 58	10 43	23 28	23 27	10 43	12 53	0 8
T 31	6n21	10s50	4s41	6s31	2s14	0s21	1s28	10n42	0s 7	18n53	0s33	12s15	1s36	8s43	0n35	6n23	1s46	25s58	10s43	23n28	23n27	10s46	12n55	0s 8

Julian Day Number = 2105360.5, Delta T = 20m33s
Ecliptic obliquity = 23°33'43, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°31'41, Lahiri = 10°38'42 Julian Calendar 1 March 1052 == Greg. Calendar 7 March 1052

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1052
geocentric

APRIL 1052 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 0 51	17♈ 3'28	28♓13	19♓47	3♈44	28♈43	26♉29	2♓14	23°R42	20♈28	17♒ 8	4°R38	5♋21	9♏49	4♉25	W 1
T 2	13 4 48	18° 1'56	13♈16	20°49	4°58	29°27	26°41	2°20	23♎39	20°30	17° 9	4♋28	5°18	9°56	4°29	T 2
F 3	13 8 45	19° 0'22	28°28	21°53	6°12	0♉10	26°53	2°26	23°36	20°33	17°10	4°17	5°15	10° 3	4°33	F 3
S 4	13 12 41	19°58'47	13♉40	23° 0	7°25	0°53	27° 6	2°32	23°34	20°35	17°11	4° 8	5°12	10° 9	4°37	S 4
S 5	13 16 38	20°57'09	28°40	24° 9	8°39	1°37	27°18	2°37	23°31	20°37	17°12	4° 2	5° 9	10°16	4°40	S 5
M 6	13 20 34	21°55'29	13♊22	25°21	9°53	2°20	27°31	2°43	23°29	20°39	17°13	3°58	5° 5	10°23	4°44	M 6
T 7	13 24 31	22°53'48	27°40	26°36	11° 7	3° 3	27°43	2°49	23°26	20°42	17°14	3°D57	5° 2	10°30	4°48	T 7
W 8	13 28 27	23°52'04	11♋34	27°52	12°21	3°46	27°56	2°54	23°24	20°44	17°14	3°57	4°59	10°36	4°52	W 8
T 9	13 32 24	24°50'18	25° 3	29°11	13°35	4°29	28° 9	3° 0	23°21	20°46	17°15	3°R57	4°56	10°43	4°56	T 9
F 10	13 36 20	25°48'30	8♌10	0♈32	14°49	5°12	28°21	3° 5	23°19	20°48	17°16	3°56	4°53	10°50	5° 0	F 10
S 11	13 40 17	26°46'39	20°59	1°55	16° 2	5°55	28°34	3°10	23°16	20°51	17°17	3°54	4°50	10°56	5° 4	S 11
S 12	13 44 14	27°44'47	3♍32	3°20	17°16	6°38	28°47	3°16	23°14	20°53	17°18	3°49	4°46	11° 3	5° 8	S 12
M13	13 48 10	28°42'53	15°54	4°48	18°30	7°21	29° 0	3°21	23°11	20°55	17°18	3°41	4°43	11°10	5°12	M13
T 14	13 52 7	29°40'56	28° 6	6°17	19°44	8° 4	29°13	3°26	23° 8	20°57	17°19	3°31	4°40	11°16	5°16	T 14
W15	13 56 3	0♉38'58	10♎10	7°48	20°58	8°46	29°26	3°31	23° 6	21° 0	17°20	3°20	4°37	11°23	5°20	W15
T 16	14 0 0	1°36'59	22° 8	9°22	22°11	9°29	29°39	3°36	23° 3	21° 2	17°20	3° 8	4°34	11°30	5°24	T 16
F 17	14 3 56	2°34'57	4♏ 3	10°57	23°25	10°12	29°52	3°41	23° 1	21° 4	17°21	2°57	4°30	11°37	5°28	F 17
S 18	14 7 53	3°32'54	15°54	12°34	24°39	10°54	0♊ 5	3°46	22°58	21° 6	17°22	2°48	4°27	11°43	5°32	S 18
S 19	14 11 49	4°30'49	27°44	14°14	25°53	11°37	0°18	3°51	22°56	21° 8	17°22	2°40	4°24	11°50	5°36	S 19
M20	14 15 46	5°28'43	9♐35	15°55	27° 6	12°19	0°31	3°56	22°54	21°11	17°23	2°35	4°21	11°57	5°40	M20
T 21	14 19 42	6°26'36	21°30	17°38	28°20	13° 2	0°44	4° 0	22°51	21°13	17°23	2°32	4°18	12° 3	5°44	T 21
W22	14 23 39	7°24'27	3♑31	19°23	29°34	13°44	0°58	4° 5	22°49	21°15	17°24	2°D31	4°15	12°10	5°48	W22
T 23	14 27 36	8°22'17	15°44	21°11	0♉48	14°27	1°11	4° 9	22°46	21°17	17°24	2°32	4°11	12°17	5°52	T 23
F 24	14 31 32	9°20'05	28°13	23° 0	2° 1	15° 9	1°24	4°14	22°44	21°19	17°25	2°33	4° 8	12°23	5°56	F 24
S 25	14 35 29	10°17'53	11♒ 1	24°51	3°15	15°51	1°38	4°18	22°41	21°22	17°25	2°R34	4° 5	12°30	6° 0	S 25
S 26	14 39 25	11°15'39	24°14	26°44	4°29	16°33	1°51	4°23	22°39	21°24	17°26	2°33	4° 2	12°37	6° 4	S 26
M27	14 43 22	12°13'24	7♓54	28°39	5°43	17°16	2° 4	4°27	22°37	21°26	17°26	2°30	3°59	12°43	6° 8	M27
T 28	14 47 18	13°11'08	22° 3	0♉36	6°56	17°58	2°18	4°31	22°34	21°28	17°26	2°25	3°55	12°50	6°12	T 28
W29	14 51 15	14° 8'50	6♈39	2°35	8°10	18°40	2°31	4°35	22°32	21°30	17°27	2°19	3°52	12°57	6°16	W29
T 30	14 55 11	15♉ 6'32	21♈37	4♉36	9♉24	19♉22	2♊45	4♓39	22♎30	21♈32	17♒27	2♋12	3♋49	13♏ 4	6♉20	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	6n44	5s17	4s59	6s13	2s20	0n 9	1s28	10n58	0s 7	18n56	0s32	12s13	1s36	8s42	0n35	6n24	1s46	25s58	10s43	23n29	23n27	10s48	12n56	0s 8	W 1
T 2	7 6	0n42	4 58	5 54	2 26	0 39	1 27	11 14	0 6	18 59	0 32	12 11	1 36	8 41	0 35	6 25	1 46	25 58	10 44	23 29	23 27	10 51	12 57	0 8	T 2
F 3	7 29	6 42	4 35	5 32	2 31	1 9	1 27	11 30	0 5	19 2	0 32	12 9	1 36	8 40	0 35	6 26	1 46	25 58	10 44	23 30	23 27	10 53	12 58	0 8	F 3
S 4	7 51	12 19	3 53	5 10	2 35	1 38	1 26	11 46	0 5	19 5	0 32	12 7	1 36	8 39	0 35	6 27	1 46	25 58	10 44	23 30	23 28	10 56	13 0	0 8	S 4
S 5	8 13	17 7	2 55	4 45	2 38	2 8	1 26	12 2	0 4	19 8	0 32	12 5	1 36	8 38	0 35	6 27	1 46	25 58	10 45	23 30	23 28	10 58	13 1	0 8	S 5
M 6	8 35	20 45	1 47	4 19	2 41	2 38	1 25	12 17	0 3	19 11	0 32	12 3	1 37	8 37	0 35	6 28	1 46	25 58	10 45	23 30	23 28	11 1	13 2	0 8	M 6
T 7	8 57	22 59	0 33	3 52	2 44	3 8	1 24	12 33	0 3	19 14	0 32	12 2	1 37	8 36	0 35	6 29	1 46	25 58	10 45	23 30	23 28	11 4	13 3	0 9	T 7
W 8	9 18	23 44	0n40	3 23	2 46	3 38	1 23	12 48	0 2	19 17	0 31	12 0	1 37	8 36	0 35	6 30	1 46	25 58	10 46	23 30	23 28	11 6	13 5	0 9	W 8
T 9	9 40	23 2	1 50	2 52	2 47	4 7	1 22	13 4	0 1	19 20	0 31	11 58	1 37	8 35	0 35	6 31	1 46	25 58	10 46	23 30	23 28	11 9	13 6	0 9	T 9
F 10	10 1	21 4	2 51	2 21	2 47	4 37	1 21	13 19	0 1	19 23	0 31	11 56	1 37	8 34	0 35	6 32	1 46	25 58	10 46	23 30	23 28	11 11	13 7	0 9	F 10
S 11	10 23	18 5	3 43	1 47	2 47	5 6	1 20	13 34	0 0	19 26	0 31	11 54	1 37	8 33	0 35	6 32	1 46	25 58	10 46	23 30	23 28	11 14	13 8	0 9	S 11
S 12	10 44	14 20	4 22	1 13	2 47	5 36	1 19	13 48	0n 0	19 29	0 31	11 53	1 38	8 32	0 35	6 33	1 46	25 58	10 47	23 30	23 29	11 16	13 10	0 9	S 12
M13	11 4	10 1	4 49	0 37	2 46	6 5	1 18	14 3	0 1	19 32	0 31	11 51	1 38	8 31	0 35	6 34	1 46	25 58	10 47	23 31	23 29	11 19	13 11	0 9	M13
T 14	11 25	5 22	5 2	0n 0	2 44	6 34	1 17	14 18	0 2	19 35	0 31	11 49	1 38	8 30	0 35	6 35	1 46	25 58	10 47	23 31	23 29	11 21	13 12	0 9	T 14
W15	11 46	0 34	5 1	0 38	2 41	7 3	1 16	14 32	0 2	19 38	0 30	11 47	1 38	8 29	0 35	6 36	1 46	25 58	10 48	23 31	23 29	11 24	13 13	0 9	W15
T 16	12 6	4s14	4 47	1 18	2 39	7 32	1 14	14 46	0 3	19 41	0 30	11 46	1 38	8 28	0 35	6 37	1 46	25 58	10 48	23 31	23 29	11 27	13 15	0 9	T 16
F 17	12 26	8 51	4 20	1 59	2 35	8 1	1 13	15 0	0 4	19 44	0 30	11 44	1 39	8 27	0 35	6 37	1 46	25 58	10 48	23 32	23 29	11 29	13 16	0 9	F 17
S 18	12 46	13 8	3 42	2 40	2 31	8 29	1 12	15 14	0 4	19 47	0 30	11 43	1 39	8 26	0 35	6 38	1 46	25 58	10 49	23 32	23 29	11 32	13 17	0 9	S 18
S 19	13 5	16 55	2 55	3 23	2 27	8 58	1 10	15 28	0 5	19 50	0 30	11 41	1 39	8 25	0 35	6 39	1 46	25 58	10 49	23 32	23 29	11 34	13 18	0 9	S 19
M20	13 25	20 2	2 0	4 7	2 22	9 26	1 9	15 42	0 5	19 53	0 30	11 39	1 39	8 24	0 35	6 40	1 46	25 58	10 49	23 32	23 29	11 37	13 20	0 9	M20
T 21	13 44	22 18	0 59	4 52	2 16	9 54	1 7	15 56	0 6	19 56	0 30	11 38	1 39	8 24	0 35	6 41	1 46	25 59	10 50	23 32	23 30	11 39	13 21	0 10	T 21
W22	14 3	23 36	0s 5	5 37	2 10	10 21	1 5	16 9	0 7	19 58	0 30	11 36	1 40	8 23	0 35	6 42	1 46	25 59	10 50	23 32	23 30	11 42	13 22	0 10	W22
T 23	14 22	23 48	1 10	6 24	2 3	10 49	1 4	16 22	0 7	20 1	0 29	11 35	1 40	8 22	0 35	6 42	1 46	25 59	10 50	23 32	23 30	11 44	13 24	0 10	T 23
F 24	14 41	22 48	2 14	7 11	1 56	11 16	1 2	16 35	0 8	20 4	0 29	11 33	1 40	8 21	0 35	6 43	1 46	25 59	10 51	23 32	23 30	11 47	13 25	0 10	F 24
S 25	14 59	20 38	3 12	7 59	1 49	11 43	1 0	16 48	0 9	20 7	0 29	11 32	1 40	8 20	0 35	6 44	1 46	25 59	10 51	23 32	23 30	11 49	13 26	0 10	S 25
S 26	15 17	17 19	4 2	8 48	1 41	12 10	0 59	17 1	0 9	20 10	0 29	11 31	1 40	8 19	0 35	6 45	1 46	25 59	10 51	23 32	23 30	11 52	13 27	0 10	S 26
M27	15 35	12 58	4 40	9 37	1 32	12 36	0 57	17 14	0 10	20 13	0 29	11 29	1 41	8 18	0 35	6 46	1 46	25 59	10 52	23 32	23 30	11 54	13 29	0 10	M27
T 28	15 53	7 48	5 3	10 26	1 24	13 2	0 55	17 26	0 10	20 15	0 29	11 28	1 41	8 17	0 35	6 46	1 46	26 0	10 52	23 32	23 30	11 57	13 30	0 10	T 28
W29	16 10	2 3	5 7	11 16	1 14	13 28	0 53	17 39	0 11	20 18	0 29	11 27	1 41	8 17	0 35	6 47	1 46	26 0	10 52	23 32	23 30	12 0	13 31	0 10	W29
T 30	16n27	3n59	4s50	12n 6	1s 5	13n53	0s51	17n51	0n12	20n21	0s29	11s25	1s41	8s16	0n35	6n48	1s46	26s 0	10s52	23n33	23n30	12s 2	13n32	0s10	T 30

Julian Day Number = 2105391.5, Delta T = 20m33s
Ecliptic obliquity = 23°33'43, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°31'45, Lahiri = 10°38'46 Julian Calendar 1 Apr. 1052 == Greg. Calendar 7 Apr. 1052

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1052
geocentric

MAY 1052 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 59 8	16♉ 4'12	6♉49	6♉39	10♉37	20♉ 4	2♊58	4♓43	22°R27	21♈34	17♒27	2°R 5	3♋46	13♏10	6♉24	F 1
S 2	15 3 5	17° 1'51	22° 5	8°43	11°51	20°46	3°12	4°47	22♎25	21°36	17°28	2♋ 0	3°43	13°17	6°28	S 2
S 3	15 7 1	17°59'29	7♊14	10°49	13° 5	21°28	3°26	4°50	22°23	21°39	17°28	1°56	3°40	13°24	6°32	S 3
M 4	15 10 58	18°57'06	22° 8	12°56	14°19	22° 9	3°39	4°54	22°21	21°41	17°28	1°54	3°36	13°30	6°36	M 4
T 5	15 14 54	19°54'41	6♋38	15° 5	15°32	22°51	3°53	4°58	22°19	21°43	17°28	1°D53	3°33	13°37	6°39	T 5
W 6	15 18 51	20°52'15	20°42	17°15	16°46	23°33	4° 6	5° 1	22°16	21°45	17°29	1°54	3°30	13°44	6°43	W 6
T 7	15 22 47	21°49'47	4♌19	19°25	18° 0	24°15	4°20	5° 5	22°14	21°47	17°29	1°56	3°27	13°50	6°47	T 7
F 8	15 26 44	22°47'18	17°31	21°37	19°13	24°56	4°34	5° 8	22°12	21°49	17°29	1°R57	3°24	13°57	6°51	F 8
S 9	15 30 41	23°44'47	0♍21	23°48	20°27	25°38	4°48	5°11	22°10	21°51	17°29	1°56	3°21	14° 4	6°55	S 9
S 10	15 34 37	24°42'15	12°52	26° 0	21°41	26°20	5° 1	5°14	22° 8	21°53	17°29	1°55	3°17	14°10	6°59	S 10
M11	15 38 34	25°39'42	25° 8	28°12	22°55	27° 1	5°15	5°17	22° 6	21°55	17°29	1°52	3°14	14°17	7° 3	M11
T 12	15 42 30	26°37'07	7♎14	0♊23	24° 8	27°42	5°29	5°20	22° 4	21°57	17°R29	1°47	3°11	14°24	7° 7	T 12
W13	15 46 27	27°34'31	19°11	2°34	25°22	28°24	5°42	5°23	22° 2	21°59	17°29	1°41	3° 8	14°31	7°10	W13
T 14	15 50 23	28°31'54	1♏ 4	4°44	26°36	29° 5	5°56	5°26	22° 0	22° 0	17°29	1°35	3° 5	14°37	7°14	T 14
F 15	15 54 20	29°29'16	12°55	6°53	27°49	29°47	6°10	5°28	21°59	22° 2	17°29	1°30	3° 1	14°44	7°18	F 15
S 16	15 58 16	0♊26'37	24°46	9° 0	29° 3	0♊28	6°24	5°31	21°57	22° 4	17°29	1°25	2°58	14°51	7°22	S 16
S 17	16 2 13	1°23'58	6♐38	11° 5	0♊17	1° 9	6°38	5°34	21°55	22° 6	17°29	1°21	2°55	14°57	7°26	S 17
M18	16 6 9	2°21'17	18°34	13° 9	1°30	1°50	6°51	5°36	21°53	22° 8	17°29	1°19	2°52	15° 4	7°29	M18
T 19	16 10 6	3°18'36	0♑37	15°11	2°44	2°31	7° 5	5°38	21°52	22°10	17°28	1°D18	2°49	15°11	7°33	T 19
W20	16 14 3	4°15'54	12°47	17°11	3°58	3°12	7°19	5°40	21°50	22°12	17°28	1°19	2°46	15°17	7°37	W20
T 21	16 17 59	5°13'11	25° 8	19° 9	5°11	3°54	7°33	5°43	21°48	22°13	17°28	1°20	2°42	15°24	7°40	T 21
F 22	16 21 56	6°10'28	7♒44	21° 5	6°25	4°35	7°47	5°45	21°47	22°15	17°28	1°22	2°39	15°31	7°44	F 22
S 23	16 25 52	7° 7'44	20°36	22°58	7°39	5°16	8° 0	5°47	21°45	22°17	17°28	1°23	2°36	15°37	7°48	S 23
S 24	16 29 49	8° 5'00	3♓49	24°49	8°52	5°56	8°14	5°48	21°44	22°18	17°27	1°R24	2°33	15°44	7°51	S 24
M25	16 33 45	9° 2'16	17°24	26°38	10° 6	6°37	8°28	5°50	21°42	22°20	17°27	1°24	2°30	15°51	7°55	M25
T 26	16 37 42	9°59'31	1♈23	28°24	11°20	7°18	8°42	5°52	21°41	22°22	17°27	1°23	2°27	15°58	7°58	T 26
W27	16 41 39	10°56'46	15°46	0♋ 8	12°33	7°59	8°56	5°53	21°39	22°23	17°26	1°21	2°23	16° 4	8° 2	W27
T 28	16 45 35	11°54'01	0♉29	1°50	13°47	8°40	9° 9	5°55	21°38	22°25	17°26	1°18	2°20	16°11	8° 5	T 28
F 29	16 49 32	12°51'15	15°26	3°29	15° 1	9°20	9°23	5°56	21°37	22°27	17°26	1°16	2°17	16°18	8° 9	F 29
S 30	16 53 28	13°48'30	0♊31	5° 5	16°15	10° 1	9°37	5°57	21°35	22°28	17°25	1°14	2°14	16°24	8°12	S 30
S 31	16 57 25	14♊45'43	15♊33	6♋39	17♊28	10♊42	9♊51	5♓58	21♎34	22♈30	17♒25	1♋13	2♋11	16♏31	8♉16	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	16n44	9n52	4s13	12n56	0s55	14n19	0s49	18n 3	0n12	20n24	0s28	11s24	1s41	8s15	0n35	6n49	1s46	26s 0	10s53	23n33	23n30	12s 5	13n34	0s10	F 1
S 2	17 0	15 11	3 18	13 46	0 45	14 43	0 47	18 14	0 13	20 26	0 28	11 23	1 42	8 14	0 35	6 49	1 46	26 0	10 53	23 33	23 31	12 7	13 35	0 10	S 2
S 3	17 17	19 30	2 9	14 36	0 35	15 8	0 45	18 26	0 13	20 29	0 28	11 22	1 42	8 13	0 35	6 50	1 46	26 1	10 53	23 33	23 31	12 10	13 36	0 10	S 3
M 4	17 33	22 27	0 53	15 25	0 24	15 32	0 43	18 38	0 14	20 32	0 28	11 21	1 42	8 12	0 35	6 51	1 46	26 1	10 54	23 33	23 31	12 12	13 37	0 11	M 4
T 5	17 48	23 49	0n26	16 14	0 14	15 56	0 41	18 49	0 15	20 35	0 28	11 20	1 42	8 12	0 35	6 52	1 46	26 1	10 54	23 33	23 31	12 15	13 38	0 11	T 5
W 6	18 4	23 37	1 40	17 1	0 3	16 19	0 39	19 0	0 15	20 37	0 28	11 19	1 43	8 11	0 35	6 52	1 46	26 1	10 54	23 33	23 31	12 17	13 40	0 11	W 6
T 7	18 19	21 59	2 47	17 48	0n 8	16 42	0 37	19 11	0 16	20 40	0 28	11 17	1 43	8 10	0 35	6 53	1 46	26 2	10 55	23 33	23 31	12 20	13 41	0 11	T 7
F 8	18 34	19 11	3 42	18 33	0 18	17 4	0 34	19 22	0 16	20 42	0 28	11 16	1 43	8 9	0 34	6 54	1 46	26 2	10 55	23 33	23 31	12 22	13 42	0 11	F 8
S 9	18 48	15 32	4 25	19 17	0 29	17 26	0 32	19 32	0 17	20 45	0 28	11 15	1 43	8 9	0 34	6 55	1 46	26 2	10 55	23 33	23 31	12 25	13 43	0 11	S 9
S 10	19 3	11 17	4 54	19 59	0 39	17 48	0 30	19 43	0 18	20 48	0 27	11 15	1 44	8 8	0 34	6 55	1 47	26 3	10 56	23 33	23 31	12 27	13 44	0 11	S 10
M11	19 16	6 40	5 9	20 39	0 48	18 9	0 28	19 53	0 18	20 50	0 27	11 14	1 44	8 7	0 34	6 56	1 47	26 3	10 56	23 33	23 31	12 30	13 46	0 11	M11
T 12	19 30	1 51	5 10	21 17	0 58	18 29	0 25	20 3	0 19	20 53	0 27	11 13	1 44	8 6	0 34	6 57	1 47	26 3	10 56	23 33	23 31	12 32	13 47	0 11	T 12
W13	19 43	2s58	4 57	21 52	1 7	18 50	0 23	20 13	0 19	20 55	0 27	11 12	1 44	8 6	0 34	6 57	1 47	26 3	10 57	23 33	23 31	12 35	13 48	0 11	W13
T 14	19 56	7 40	4 31	22 25	1 15	19 9	0 21	20 23	0 20	20 58	0 27	11 11	1 44	8 5	0 34	6 58	1 47	26 4	10 57	23 33	23 32	12 37	13 49	0 11	T 14
F 15	20 9	12 5	3 54	22 56	1 23	19 28	0 19	20 32	0 20	21 0	0 27	11 10	1 45	8 4	0 34	6 59	1 47	26 4	10 57	23 33	23 32	12 40	13 50	0 11	F 15
S 16	20 21	16 2	3 7	23 24	1 30	19 47	0 16	20 42	0 21	21 3	0 27	11 10	1 45	8 4	0 34	6 59	1 47	26 4	10 58	23 33	23 32	12 42	13 52	0 11	S 16
S 17	20 33	19 23	2 11	23 49	1 37	20 5	0 14	20 51	0 22	21 5	0 27	11 9	1 45	8 3	0 34	7 0	1 47	26 5	10 58	23 33	23 32	12 45	13 53	0 12	S 17
M18	20 44	21 55	1 9	24 12	1 43	20 23	0 12	21 0	0 22	21 8	0 27	11 8	1 45	8 2	0 34	7 1	1 47	26 5	10 58	23 33	23 32	12 47	13 54	0 12	M18
T 19	20 56	23 30	0 4	24 32	1 48	20 40	0 9	21 9	0 23	21 10	0 27	11 8	1 46	8 2	0 34	7 1	1 47	26 6	10 59	23 33	23 32	12 50	13 55	0 12	T 19
W20	21 6	23 59	1s 3	24 49	1 53	20 56	0 7	21 17	0 23	21 13	0 26	11 7	1 46	8 1	0 34	7 2	1 47	26 6	10 59	23 33	23 32	12 52	13 56	0 12	W20
T 21	21 17	23 18	2 7	25 3	1 56	21 12	0 4	21 26	0 24	21 15	0 26	11 6	1 46	8 1	0 34	7 3	1 47	26 6	10 59	23 33	23 32	12 55	13 57	0 12	T 21
F 22	21 27	21 26	3 7	25 15	1 59	21 27	0 2	21 34	0 24	21 17	0 26	11 6	1 46	8 0	0 34	7 3	1 47	26 7	11 0	23 33	23 32	12 57	13 58	0 12	F 22
S 23	21 37	18 28	3 59	25 24	2 2	21 42	0n 0	21 42	0 25	21 20	0 26	11 5	1 47	8 0	0 34	7 4	1 47	26 7	11 0	23 33	23 32	13 0	13 59	0 12	S 23
S 24	21 46	14 30	4 39	25 31	2 3	21 56	0 3	21 50	0 26	21 22	0 26	11 5	1 47	7 59	0 34	7 4	1 47	26 7	11 0	23 33	23 32	13 2	14 1	0 12	S 24
M25	21 55	9 41	5 6	25 35	2 4	22 10	0 5	21 57	0 26	21 24	0 26	11 5	1 47	7 59	0 34	7 5	1 47	26 8	11 1	23 33	23 32	13 5	14 2	0 12	M25
T 26	22 4	4 15	5 15	25 37	2 4	22 23	0 7	22 5	0 27	21 26	0 26	11 4	1 47	7 58	0 34	7 6	1 47	26 8	11 1	23 33	23 32	13 7	14 3	0 12	T 26
W27	22 12	1n32	5 5	25 37	2 4	22 35	0 10	22 12	0 27	21 29	0 26	11 4	1 48	7 58	0 34	7 6	1 47	26 9	11 1	23 33	23 32	13 10	14 4	0 12	W27
T 28	22 20	7 24	4 35	25 35	2 2	22 46	0 12	22 19	0 28	21 31	0 26	11 4	1 48	7 57	0 34	7 7	1 47	26 9	11 2	23 33	23 32	13 12	14 5	0 12	T 28
F 29	22 27	12 56	3 47	25 31	2 0	22 57	0 14	22 26	0 28	21 33	0 26	11 3	1 48	7 57	0 34	7 7	1 47	26 9	11 2	23 33	23 33	13 15	14 6	0 13	F 29
S 30	22 34	17 44	2 42	25 25	1 58	23 8	0 17	22 33	0 29	21 35	0 25	11 3	1 48	7 56	0 34	7 8	1 47	26 10	11 2	23 33	23 33	13 17	14 7	0 13	S 30
S 31	22n41	21n21	1s25	25n18	1n54	23n17	0n19	22n39	0n29	21n37	0s25	11s 3	1s49	7s56	0n34	7n 8	1s47	26s10	11s 2	23n33	23n33	13s20	14n 8	0s13	S 31

Julian Day Number = 2105421.5, Delta T = 20m32s
Ecliptic obliquity = 23°33'43, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°31'50, Lahiri = 10°38'50 Julian Calendar 1 May 1052 == Greg. Calendar 7 May 1052

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1052
geocentric

JUNE 1052 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 1 21	15♊42'57	0♋25	8♋11	18♊42	11♊22	10♊ 5	6♓ 0	21°R33	22♈31	17°R24	1°D12	2♋ 7	16♏38	8♉19	M 1
T 2	17 5 18	16°40'10	14°58	9°40	19°56	12° 3	10°18	6° 0	21♎32	22°33	17♒24	1♋13	2° 4	16°44	8°22	T 2
W 3	17 9 14	17°37'23	29° 8	11° 6	21° 9	12°43	10°32	6° 1	21°31	22°34	17°23	1°14	2° 1	16°51	8°26	W 3
T 4	17 13 11	18°34'35	12♌52	12°30	22°23	13°24	10°46	6° 2	21°30	22°36	17°23	1°15	1°58	16°58	8°29	T 4
F 5	17 17 8	19°31'46	26°11	13°52	23°37	14° 4	11° 0	6° 3	21°29	22°37	17°22	1°16	1°55	17° 4	8°32	F 5
S 6	17 21 4	20°28'57	9♍ 5	15°10	24°51	14°45	11°13	6° 3	21°28	22°39	17°22	1°16	1°52	17°11	8°36	S 6
S 7	17 25 1	21°26'07	21°38	16°26	26° 4	15°25	11°27	6° 4	21°27	22°40	17°21	1°R16	1°48	17°18	8°39	S 7
M 8	17 28 57	22°23'17	3♎55	17°40	27°18	16° 5	11°41	6° 4	21°26	22°41	17°20	1°16	1°45	17°24	8°42	M 8
T 9	17 32 54	23°20'27	15°59	18°50	28°32	16°46	11°54	6° 4	21°26	22°43	17°20	1°16	1°42	17°31	8°45	T 9
W10	17 36 50	24°17'36	27°54	19°58	29°45	17°26	12° 8	6° 4	21°25	22°44	17°19	1°15	1°39	17°38	8°48	W10
T 11	17 40 47	25°14'45	9♏45	21° 3	0♋59	18° 6	12°22	6°R 4	21°24	22°45	17°18	1°14	1°36	17°44	8°51	T 11
F 12	17 44 43	26°11'53	21°35	22° 4	2°13	18°46	12°35	6° 4	21°24	22°47	17°18	1°13	1°33	17°51	8°54	F 12
S 13	17 48 40	27° 9'02	3♐28	23° 3	3°27	19°26	12°49	6° 4	21°23	22°48	17°17	1°13	1°29	17°58	8°57	S 13
S 14	17 52 37	28° 6'10	15°26	23°58	4°40	20° 6	13° 2	6° 4	21°22	22°49	17°16	1°12	1°26	18° 5	9° 0	S 14
M15	17 56 33	29° 3'19	27°30	24°50	5°54	20°46	13°16	6° 4	21°22	22°50	17°15	1°D12	1°23	18°11	9° 3	M15
T 16	18 0 30	0♋ 0'27	9♑45	25°39	7° 8	21°26	13°29	6° 3	21°22	22°51	17°15	1°12	1°20	18°18	9° 6	T 16
W17	18 4 26	0°57'36	22° 9	26°24	8°21	22° 6	13°43	6° 3	21°21	22°52	17°14	1°R12	1°17	18°25	9° 9	W17
T 18	18 8 23	1°54'45	4♒46	27° 5	9°35	22°46	13°56	6° 2	21°21	22°53	17°13	1°12	1°13	18°31	9°12	T 18
F 19	18 12 19	2°51'54	17°37	27°42	10°49	23°26	14°10	6° 1	21°21	22°54	17°12	1°12	1°10	18°38	9°14	F 19
S 20	18 16 16	3°49'04	0♓42	28°16	12° 3	24° 6	14°23	6° 0	21°20	22°55	17°11	1°12	1° 7	18°45	9°17	S 20
S 21	18 20 12	4°46'14	14° 4	28°45	13°16	24°46	14°36	5°59	21°20	22°56	17°11	1°12	1° 4	18°51	9°20	S 21
M22	18 24 9	5°43'24	27°41	29°10	14°30	25°25	14°50	5°58	21°20	22°57	17°10	1°12	1° 1	18°58	9°22	M22
T 23	18 28 6	6°40'35	11♈36	29°31	15°44	26° 5	15° 3	5°57	21°20	22°58	17° 9	1°D12	0°58	19° 5	9°25	T 23
W24	18 32 2	7°37'47	25°47	29°47	16°58	26°45	15°16	5°56	21°D20	22°59	17° 8	1°12	0°54	19°11	9°27	W24
T 25	18 35 59	8°35'00	10♉12	29°59	18°12	27°24	15°29	5°55	21°20	23° 0	17° 7	1°12	0°51	19°18	9°30	T 25
F 26	18 39 55	9°32'13	24°48	0♌ 6	19°25	28° 4	15°43	5°53	21°20	23° 1	17° 6	1°13	0°48	19°25	9°32	F 26
S 27	18 43 52	10°29'27	9♊30	0°R 8	20°39	28°44	15°56	5°52	21°20	23° 2	17° 5	1°14	0°45	19°31	9°35	S 27
S 28	18 47 48	11°26'42	24°12	0° 5	21°53	29°23	16° 9	5°50	21°21	23° 2	17° 4	1°R14	0°42	19°38	9°37	S 28
M29	18 51 45	12°23'57	8♋48	29♋58	23° 7	0♋ 3	16°22	5°48	21°21	23° 3	17° 3	1°14	0°39	19°45	9°39	M29
T 30	18 55 41	13♋21'13	23♋11	29♋45	24♋20	0♋42	16♊35	5♓47	21♎21	23♈ 4	17♒ 2	1♋13	0♋35	19♏51	9♉42	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n47	23n29	0s 4	25n 8	1n50	23n26	0n21	22n45	0n30	21n39	0s25	11s 3	1s49	7s55	0n34	7n 9	1s47	26s11	11s 3	23n33	23n33	13s22	14n 9	0s13
T 2	22 53	23 58	1n15	24 58	1 45	23 34	0 24	22 51	0 30	21 42	0 25	11 3	1 49	7 55	0 34	7 9	1 47	26 11	11 3	23 33	23 33	13 25	14 10	0 13
W 3	22 59	22 51	2 28	24 45	1 40	23 42	0 26	22 57	0 31	21 44	0 25	11 2	1 49	7 55	0 34	7 10	1 48	26 12	11 3	23 33	23 33	13 27	14 11	0 13
T 4	23 4	20 24	3 31	24 32	1 34	23 49	0 28	23 3	0 32	21 46	0 25	11 2	1 50	7 54	0 34	7 10	1 48	26 12	11 4	23 33	23 33	13 30	14 12	0 13
F 5	23 9	16 55	4 19	24 17	1 27	23 55	0 31	23 8	0 32	21 48	0 25	11 2	1 50	7 54	0 34	7 11	1 48	26 13	11 4	23 33	23 33	13 32	14 13	0 13
S 6	23 13	12 44	4 53	24 1	1 20	24 0	0 33	23 13	0 33	21 50	0 25	11 2	1 50	7 54	0 34	7 11	1 48	26 13	11 4	23 33	23 33	13 35	14 14	0 13
S 7	23 17	8 7	5 12	23 44	1 12	24 5	0 35	23 19	0 33	21 52	0 25	11 3	1 50	7 53	0 34	7 12	1 48	26 13	11 5	23 33	23 33	13 37	14 15	0 13
M 8	23 21	3 16	5 16	23 27	1 4	24 9	0 37	23 23	0 34	21 54	0 25	11 3	1 51	7 53	0 34	7 12	1 48	26 14	11 5	23 33	23 33	13 39	14 16	0 13
T 9	23 24	1s36	5 6	23 8	0 55	24 13	0 39	23 28	0 34	21 56	0 25	11 3	1 51	7 53	0 34	7 13	1 48	26 14	11 5	23 33	23 33	13 42	14 17	0 13
W10	23 26	6 22	4 43	22 49	0 45	24 15	0 42	23 32	0 35	21 57	0 25	11 3	1 51	7 53	0 33	7 13	1 48	26 15	11 5	23 33	23 33	13 44	14 18	0 14
T 11	23 29	10 53	4 8	22 29	0 35	24 17	0 44	23 37	0 35	21 59	0 24	11 3	1 51	7 52	0 33	7 13	1 48	26 15	11 6	23 33	23 33	13 47	14 18	0 14
F 12	23 30	15 0	3 23	22 9	0 25	24 18	0 46	23 41	0 36	22 1	0 24	11 3	1 52	7 52	0 33	7 14	1 48	26 16	11 6	23 33	23 33	13 49	14 19	0 14
S 13	23 32	18 32	2 28	21 49	0 14	24 19	0 48	23 45	0 36	22 3	0 24	11 4	1 52	7 52	0 33	7 14	1 48	26 16	11 6	23 33	23 33	13 52	14 20	0 14
S 14	23 33	21 20	1 26	21 28	0 2	24 18	0 50	23 48	0 37	22 5	0 24	11 4	1 52	7 52	0 33	7 15	1 48	26 17	11 7	23 33	23 33	13 54	14 21	0 14
M15	23 34	23 12	0 21	21 7	0s10	24 17	0 52	23 52	0 37	22 7	0 24	11 4	1 52	7 52	0 33	7 15	1 48	26 17	11 7	23 33	23 33	13 57	14 22	0 14
T 16	23 34	23 59	0s47	20 46	0 22	24 16	0 54	23 55	0 38	22 8	0 24	11 5	1 53	7 51	0 33	7 15	1 48	26 18	11 7	23 33	23 33	13 59	14 23	0 14
W17	23 33	23 36	1 54	20 25	0 35	24 13	0 56	23 58	0 38	22 10	0 24	11 5	1 53	7 51	0 33	7 16	1 48	26 18	11 7	23 33	23 33	14 2	14 24	0 14
T 18	23 33	22 1	2 56	20 4	0 48	24 10	0 57	24 1	0 39	22 12	0 24	11 6	1 53	7 51	0 33	7 16	1 48	26 19	11 8	23 33	23 33	14 4	14 24	0 14
F 19	23 32	19 17	3 50	19 43	1 2	24 6	0 59	24 3	0 39	22 13	0 24	11 6	1 53	7 51	0 33	7 16	1 48	26 19	11 8	23 33	23 33	14 6	14 25	0 14
S 20	23 30	15 32	4 34	19 23	1 15	24 1	1 1	24 6	0 40	22 15	0 24	11 7	1 54	7 51	0 33	7 17	1 48	26 20	11 8	23 33	23 33	14 9	14 26	0 14
S 21	23 29	10 57	5 3	19 3	1 29	23 56	1 3	24 8	0 40	22 17	0 24	11 7	1 54	7 51	0 33	7 17	1 49	26 20	11 8	23 33	23 33	14 11	14 27	0 15
M22	23 26	5 46	5 17	18 44	1 44	23 50	1 4	24 10	0 41	22 18	0 24	11 8	1 54	7 51	0 33	7 17	1 49	26 21	11 9	23 33	23 33	14 14	14 28	0 15
T 23	23 24	0 10	5 12	18 26	1 58	23 43	1 6	24 12	0 41	22 20	0 24	11 9	1 54	7 51	0 33	7 18	1 49	26 21	11 9	23 33	23 34	14 16	14 28	0 15
W24	23 20	5n32	4 49	18 8	2 13	23 36	1 8	24 13	0 42	22 21	0 23	11 9	1 55	7 51	0 33	7 18	1 49	26 22	11 9	23 33	23 34	14 19	14 29	0 15
T 25	23 17	11 3	4 7	17 52	2 27	23 28	1 9	24 15	0 42	22 23	0 23	11 10	1 55	7 51	0 33	7 18	1 49	26 22	11 9	23 33	23 34	14 21	14 30	0 15
F 26	23 13	16 1	3 9	17 36	2 42	23 19	1 11	24 16	0 43	22 24	0 23	11 11	1 55	7 51	0 33	7 18	1 49	26 23	11 10	23 33	23 34	14 24	14 30	0 15
S 27	23 9	20 3	1 58	17 21	2 56	23 9	1 12	24 17	0 43	22 26	0 23	11 12	1 55	7 51	0 33	7 19	1 49	26 24	11 10	23 33	23 34	14 26	14 31	0 15
S 28	23 4	22 47	0 39	17 8	3 10	22 59	1 14	24 17	0 44	22 27	0 23	11 12	1 55	7 51	0 33	7 19	1 49	26 24	11 10	23 33	23 34	14 28	14 32	0 15
M29	22 59	23 58	0n42	16 56	3 24	22 48	1 15	24 18	0 44	22 29	0 23	11 13	1 56	7 52	0 33	7 19	1 49	26 25	11 10	23 33	23 34	14 31	14 32	0 15
T 30	22n53	23n30	1n59	16n46	3s37	22n36	1n16	24n18	0n45	22n30	0s23	11s14	1s56	7s52	0n33	7n19	1s49	26s25	11s10	23n33	23n34	14s33	14n33	0s15

Julian Day Number = 2105452.5, Delta T = 20m32s
Ecliptic obliquity = 23°33'43, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°31'54, Lahiri = 10°38'54 Julian Calendar 1 June 1052 == Greg. Calendar 7 June 1052

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1052
geocentric

JULY 1052 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 59 38	14♋18'29	7♌16	29°R28	25♋34	1♋22	16♊48	5°R45	21♎21	23♈ 5	17°R 1	1°R12	0♋32	19♏58	9♉44	W 1
T 2	19 3 35	15°15'46	21° 0	29♋ 6	26°48	2° 1	17° 1	5♓43	21°22	23° 5	17♒ 0	1♋11	0°29	20° 5	9°46	T 2
F 3	19 7 31	16°13'03	4♍20	28°40	28° 2	2°40	17°14	5°41	21°22	23° 6	16°59	1° 9	0°26	20°11	9°48	F 3
S 4	19 11 28	17°10'21	17°17	28° 9	29°16	3°20	17°26	5°38	21°23	23° 6	16°58	1° 7	0°23	20°18	9°50	S 4
S 5	19 15 24	18° 7'39	29°54	27°35	0♌29	3°59	17°39	5°36	21°23	23° 7	16°56	1° 5	0°19	20°25	9°52	S 5
M 6	19 19 21	19° 4'57	12♎12	26°58	1°43	4°38	17°52	5°34	21°24	23° 7	16°55	1° 4	0°16	20°31	9°54	M 6
T 7	19 23 17	20° 2'16	24°16	26°18	2°57	5°18	18° 4	5°31	21°25	23° 8	16°54	1°D 4	0°13	20°38	9°56	T 7
W 8	19 27 14	20°59'36	6♏12	25°35	4°11	5°57	18°17	5°29	21°25	23° 8	16°53	1° 5	0°10	20°45	9°58	W 8
T 9	19 31 10	21°56'56	18° 2	24°51	5°25	6°36	18°30	5°26	21°26	23° 9	16°52	1° 6	0° 7	20°52	10° 0	T 9
F 10	19 35 7	22°54'17	29°53	24° 7	6°38	7°15	18°42	5°23	21°27	23° 9	16°51	1° 8	0° 4	20°58	10° 2	F 10
S 11	19 39 4	23°51'38	11♐49	23°22	7°52	7°54	18°55	5°21	21°28	23°10	16°50	1° 9	0° 0	21° 5	10° 3	S 11
S 12	19 43 0	24°49'01	23°52	22°39	9° 6	8°33	19° 7	5°18	21°29	23°10	16°48	1°10	29♊57	21°12	10° 5	S 12
M13	19 46 57	25°46'24	6♑ 7	21°57	10°20	9°12	19°19	5°15	21°30	23°10	16°47	1°R10	29°54	21°18	10° 7	M13
T 14	19 50 53	26°43'48	18°35	21°18	11°34	9°51	19°32	5°12	21°31	23°10	16°46	1° 9	29°51	21°25	10° 8	T 14
W15	19 54 50	27°41'12	1♒18	20°42	12°47	10°30	19°44	5° 9	21°32	23°11	16°45	1° 7	29°48	21°32	10°10	W15
T 16	19 58 46	28°38'38	14°16	20° 9	14° 1	11° 9	19°56	5° 6	21°33	23°11	16°44	1° 4	29°45	21°38	10°11	T 16
F 17	20 2 43	29°36'05	27°29	19°42	15°15	11°48	20° 8	5° 2	21°34	23°11	16°42	0°59	29°41	21°45	10°13	F 17
S 18	20 6 40	0♌33'33	10♓56	19°20	16°29	12°27	20°20	4°59	21°35	23°11	16°41	0°55	29°38	21°52	10°14	S 18
S 19	20 10 36	1°31'03	24°35	19° 4	17°42	13° 6	20°32	4°56	21°37	23°11	16°40	0°51	29°35	21°58	10°15	S 19
M20	20 14 33	2°28'34	8♈25	18°53	18°56	13°44	20°44	4°52	21°38	23°11	16°39	0°48	29°32	22° 5	10°16	M20
T 21	20 18 29	3°26'06	22°25	18°D50	20°10	14°23	20°56	4°49	21°39	23°R11	16°37	0°46	29°29	22°12	10°18	T 21
W22	20 22 26	4°23'40	6♉31	18°53	21°24	15° 2	21° 7	4°45	21°41	23°11	16°36	0°D45	29°25	22°18	10°19	W22
T 23	20 26 22	5°21'15	20°43	19° 3	22°38	15°41	21°19	4°41	21°42	23°11	16°35	0°46	29°22	22°25	10°20	T 23
F 24	20 30 19	6°18'52	5♊ 0	19°20	23°51	16°19	21°30	4°38	21°44	23°11	16°34	0°47	29°19	22°32	10°21	F 24
S 25	20 34 15	7°16'30	19°17	19°45	25° 5	16°58	21°42	4°34	21°45	23°11	16°32	0°49	29°16	22°38	10°22	S 25
S 26	20 38 12	8°14'11	3♋34	20°16	26°19	17°37	21°53	4°30	21°47	23°11	16°31	0°R49	29°13	22°45	10°23	S 26
M27	20 42 9	9°11'52	17°45	20°55	27°33	18°15	22° 5	4°26	21°49	23°11	16°30	0°48	29°10	22°52	10°23	M27
T 28	20 46 5	10° 9'35	1♌47	21°41	28°46	18°54	22°16	4°22	21°50	23°10	16°29	0°45	29° 6	22°58	10°24	T 28
W29	20 50 2	11° 7'20	15°37	22°33	0♍ 0	19°32	22°27	4°18	21°52	23°10	16°27	0°40	29° 3	23° 5	10°25	W29
T 30	20 53 58	12° 5'06	29° 9	23°32	1°14	20°11	22°38	4°14	21°54	23°10	16°26	0°34	29° 0	23°12	10°25	T 30
F 31	20 57 55	13♌ 2'53	12♍23	24♋38	2♍28	20♋49	22♊49	4♓10	21♎56	23♈10	16♒25	0♋27	28♊57	23♏18	10♉26	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n47	21n33	3n 7	16n37	3s50	22n24	1n17	24n19	0n45	22n31	0s23	11s15	1s56	7s52	0n33	7n20	1s49	26s26	11s11	23n33	23n34	14s36	14n34	0s15
T 2	22 41	18 23	4 2	16 30	4 1	22 11	1 19	24 19	0 46	22 33	0 23	11 16	1 56	7 52	0 33	7 20	1 49	26 26	11 11	23 33	23 34	14 38	14 34	0 16
F 3	22 34	14 20	4 42	16 25	4 12	21 58	1 20	24 18	0 46	22 34	0 23	11 17	1 57	7 52	0 33	7 20	1 49	26 27	11 11	23 33	23 34	14 40	14 35	0 16
S 4	22 27	9 45	5 7	16 21	4 22	21 44	1 21	24 18	0 47	22 35	0 23	11 18	1 57	7 53	0 33	7 20	1 49	26 27	11 11	23 33	23 34	14 43	14 35	0 16
S 5	22 20	4 52	5 16	16 19	4 31	21 29	1 22	24 17	0 47	22 37	0 23	11 19	1 57	7 53	0 33	7 20	1 49	26 28	11 11	23 33	23 34	14 45	14 36	0 16
M 6	22 12	0s 5	5 10	16 19	4 38	21 13	1 23	24 16	0 48	22 38	0 23	11 20	1 57	7 53	0 33	7 20	1 49	26 28	11 12	23 33	23 34	14 48	14 36	0 16
T 7	22 3	4 57	4 50	16 21	4 44	20 57	1 24	24 15	0 48	22 39	0 23	11 21	1 58	7 53	0 33	7 20	1 50	26 29	11 12	23 33	23 34	14 50	14 37	0 16
W 8	21 55	9 35	4 19	16 24	4 49	20 41	1 24	24 14	0 49	22 40	0 22	11 22	1 58	7 54	0 32	7 21	1 50	26 29	11 12	23 33	23 34	14 53	14 37	0 16
T 9	21 46	13 50	3 36	16 29	4 51	20 23	1 25	24 13	0 49	22 41	0 22	11 24	1 58	7 54	0 32	7 21	1 50	26 30	11 12	23 33	23 34	14 55	14 38	0 16
F 10	21 36	17 34	2 44	16 36	4 52	20 6	1 26	24 11	0 50	22 42	0 22	11 25	1 58	7 54	0 32	7 21	1 50	26 30	11 12	23 33	23 34	14 57	14 38	0 16
S 11	21 27	20 35	1 45	16 44	4 51	19 47	1 27	24 9	0 50	22 44	0 22	11 26	1 58	7 55	0 32	7 21	1 50	26 31	11 12	23 33	23 34	15 0	14 39	0 16
S 12	21 16	22 45	0 40	16 54	4 49	19 28	1 27	24 7	0 50	22 45	0 22	11 27	1 59	7 55	0 32	7 21	1 50	26 32	11 13	23 33	23 34	15 2	14 39	0 16
M13	21 6	23 52	0s27	17 5	4 44	19 9	1 28	24 5	0 51	22 46	0 22	11 28	1 59	7 55	0 32	7 21	1 50	26 32	11 13	23 33	23 34	15 5	14 40	0 17
T 14	20 55	23 49	1 34	17 17	4 38	18 49	1 28	24 3	0 51	22 47	0 22	11 30	1 59	7 56	0 32	7 21	1 50	26 33	11 13	23 33	23 34	15 7	14 40	0 17
W15	20 44	22 32	2 38	17 30	4 30	18 28	1 28	24 0	0 52	22 48	0 22	11 31	1 59	7 56	0 32	7 21	1 50	26 33	11 13	23 33	23 34	15 9	14 41	0 17
T 16	20 32	20 3	3 35	17 44	4 21	18 7	1 29	23 58	0 52	22 49	0 22	11 32	1 59	7 57	0 32	7 21	1 50	26 34	11 13	23 33	23 34	15 12	14 41	0 17
F 17	20 20	16 29	4 21	17 59	4 10	17 46	1 29	23 55	0 53	22 50	0 22	11 34	2 0	7 57	0 32	7 21	1 50	26 34	11 13	23 33	23 34	15 14	14 41	0 17
S 18	20 8	12 1	4 54	18 14	3 58	17 24	1 29	23 52	0 53	22 51	0 22	11 35	2 0	7 58	0 32	7 21	1 50	26 35	11 14	23 34	23 34	15 16	14 42	0 17
S 19	19 55	6 54	5 11	18 29	3 45	17 1	1 29	23 48	0 54	22 52	0 22	11 37	2 0	7 58	0 32	7 21	1 50	26 35	11 14	23 34	23 34	15 19	14 42	0 17
M20	19 42	1 23	5 10	18 45	3 31	16 38	1 29	23 45	0 54	22 53	0 22	11 38	2 0	7 59	0 32	7 21	1 50	26 36	11 14	23 34	23 34	15 21	14 42	0 17
T 21	19 29	4n16	4 51	19 0	3 16	16 15	1 29	23 41	0 55	22 53	0 22	11 40	2 0	7 59	0 32	7 21	1 50	26 36	11 14	23 34	23 34	15 24	14 42	0 17
W22	19 16	9 46	4 14	19 15	3 0	15 51	1 29	23 37	0 55	22 54	0 22	11 41	2 1	8 0	0 32	7 21	1 50	26 37	11 14	23 34	23 34	15 26	14 43	0 17
T 23	19 2	14 47	3 21	19 30	2 44	15 27	1 29	23 33	0 55	22 55	0 21	11 43	2 1	8 0	0 32	7 21	1 51	26 37	11 14	23 34	23 34	15 28	14 43	0 18
F 24	18 47	19 0	2 16	19 44	2 27	15 2	1 29	23 29	0 56	22 56	0 21	11 44	2 1	8 1	0 32	7 21	1 51	26 38	11 14	23 34	23 34	15 31	14 43	0 18
S 25	18 33	22 5	1 2	19 57	2 11	14 37	1 28	23 25	0 56	22 57	0 21	11 46	2 1	8 2	0 32	7 20	1 51	26 38	11 14	23 34	23 34	15 33	14 43	0 18
S 26	18 18	23 46	0n15	20 9	1 54	14 11	1 28	23 20	0 57	22 57	0 21	11 47	2 1	8 2	0 32	7 20	1 51	26 39	11 14	23 34	23 34	15 35	14 44	0 18
M27	18 3	23 53	1 31	20 20	1 37	13 45	1 28	23 15	0 57	22 58	0 21	11 49	2 1	8 3	0 32	7 20	1 51	26 39	11 15	23 34	23 34	15 38	14 44	0 18
T 28	17 47	22 28	2 40	20 29	1 20	13 19	1 27	23 10	0 58	22 59	0 21	11 50	2 2	8 4	0 32	7 20	1 51	26 40	11 15	23 34	23 34	15 40	14 44	0 18
W29	17 32	19 43	3 39	20 37	1 4	12 53	1 27	23 5	0 58	23 0	0 21	11 52	2 2	8 4	0 32	7 20	1 51	26 40	11 15	23 34	23 34	15 43	14 44	0 18
T 30	17 15	15 57	4 24	20 43	0 48	12 26	1 26	23 0	0 58	23 0	0 21	11 54	2 2	8 5	0 32	7 20	1 51	26 41	11 15	23 34	23 33	15 45	14 44	0 18
F 31	16n59	11n28	4n54	20n46	0s33	11n58	1n25	22n55	0n59	23n 1	0s21	11s55	2s 2	8s 6	0n32	7n20	1s51	26s41	11s15	23n34	23n33	15s47	14n44	0s18

Julian Day Number = 2105482.5, Delta T = 20m32s
Ecliptic obliquity = 23°33'43, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°31'58, Lahiri = 10°38'58 Julian Calendar 1 July 1052 == Greg. Calendar 7 July 1052

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1052
geocentric

AUGUST 1052 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 1 51	14♌ 0'41	25♍18	25♋50	3♍42	21♋28	23♊ 0	4°R 6	21♎58	23°R 9	16°R23	0°R20	28♊54	23♏25	10♉27	S 1
S 2	21 5 48	14°58'31	7♎53	27° 8	4°55	22° 6	23°11	4♓ 2	22° 0	23♈ 9	16♒22	0♋13	28°51	23°32	10°27	S 2
M 3	21 9 44	15°56'22	20°11	28°31	6° 9	22°45	23°22	3°57	22° 2	23° 9	16°21	0° 8	28°47	23°38	10°27	M 3
T 4	21 13 41	16°54'14	2♏15	29°59	7°23	23°23	23°32	3°53	22° 4	23° 8	16°19	0° 5	28°44	23°45	10°28	T 4
W 5	21 17 38	17°52'08	14°10	1♌32	8°36	24° 1	23°43	3°49	22° 6	23° 8	16°18	0°D 4	28°41	23°52	10°28	W 5
T 6	21 21 34	18°50'03	26° 0	3°10	9°50	24°40	23°53	3°45	22° 8	23° 7	16°17	0° 4	28°38	23°58	10°28	T 6
F 7	21 25 31	19°47'59	7♐51	4°51	11° 4	25°18	24° 4	3°40	22°10	23° 7	16°15	0° 5	28°35	24° 5	10°28	F 7
S 8	21 29 27	20°45'57	19°48	6°36	12°18	25°56	24°14	3°36	22°12	23° 6	16°14	0° 6	28°31	24°12	10°29	S 8
S 9	21 33 24	21°43'56	1♑55	8°23	13°31	26°34	24°24	3°31	22°15	23° 5	16°13	0°R 7	28°28	24°18	10°R29	S 9
M10	21 37 20	22°41'56	14°17	10°13	14°45	27°12	24°34	3°27	22°17	23° 5	16°12	0° 6	28°25	24°25	10°29	M10
T 11	21 41 17	23°39'58	26°57	12° 5	15°59	27°51	24°44	3°22	22°19	23° 4	16°10	0° 2	28°22	24°32	10°29	T 11
W12	21 45 13	24°38'02	9♒57	13°59	17°12	28°29	24°54	3°18	22°22	23° 4	16° 9	29♊57	28°19	24°38	10°28	W12
T 13	21 49 10	25°36'07	23°17	15°54	18°26	29° 7	25° 4	3°13	22°24	23° 3	16° 8	29°50	28°16	24°45	10°28	T 13
F 14	21 53 7	26°34'14	6♓55	17°49	19°40	29°45	25°13	3° 9	22°27	23° 2	16° 6	29°41	28°12	24°52	10°28	F 14
S 15	21 57 3	27°32'23	20°48	19°46	20°53	0♌23	25°23	3° 4	22°29	23° 1	16° 5	29°31	28° 9	24°58	10°28	S 15
S 16	22 1 0	28°30'33	4♈53	21°42	22° 7	1° 1	25°32	3° 0	22°32	23° 1	16° 4	29°22	28° 6	25° 5	10°27	S 16
M17	22 4 56	29°28'46	19° 5	23°38	23°20	1°39	25°41	2°55	22°34	23° 0	16° 3	29°15	28° 3	25°12	10°27	M17
T 18	22 8 53	0♍27'01	3♉19	25°35	24°34	2°17	25°51	2°50	22°37	22°59	16° 1	29°10	28° 0	25°18	10°26	T 18
W19	22 12 49	1°25'17	17°32	27°31	25°48	2°55	26° 0	2°46	22°39	22°58	16° 0	29° 7	27°56	25°25	10°26	W19
T 20	22 16 46	2°23'36	1♊42	29°26	27° 1	3°33	26° 9	2°41	22°42	22°57	15°59	29°D 6	27°53	25°32	10°25	T 20
F 21	22 20 42	3°21'57	15°48	1♍20	28°15	4°10	26°17	2°36	22°45	22°56	15°58	29° 6	27°50	25°38	10°25	F 21
S 22	22 24 39	4°20'21	29°47	3°14	29°28	4°48	26°26	2°32	22°48	22°55	15°56	29°R 7	27°47	25°45	10°24	S 22
S 23	22 28 35	5°18'47	13♋40	5° 7	0♎42	5°26	26°35	2°27	22°50	22°54	15°55	29° 6	27°44	25°52	10°23	S 23
M24	22 32 32	6°17'14	27°26	6°59	1°55	6° 4	26°43	2°23	22°53	22°53	15°54	29° 3	27°41	25°58	10°22	M24
T 25	22 36 29	7°15'44	11♌ 3	8°51	3° 9	6°42	26°51	2°18	22°56	22°52	15°53	28°57	27°37	26° 5	10°21	T 25
W26	22 40 25	8°14'16	24°30	10°41	4°22	7°19	27° 0	2°13	22°59	22°51	15°52	28°49	27°34	26°12	10°20	W26
T 27	22 44 22	9°12'50	7♍44	12°30	5°36	7°57	27° 8	2° 9	23° 2	22°50	15°50	28°38	27°31	26°18	10°19	T 27
F 28	22 48 18	10°11'25	20°43	14°18	6°49	8°35	27°16	2° 4	23° 5	22°49	15°49	28°26	27°28	26°25	10°18	F 28
S 29	22 52 15	11°10'03	3♎27	16° 5	8° 3	9°12	27°23	2° 0	23° 8	22°48	15°48	28°13	27°25	26°32	10°17	S 29
S 30	22 56 11	12° 8'43	15°56	17°51	9°16	9°50	27°31	1°55	23°11	22°46	15°47	28° 2	27°22	26°38	10°16	S 30
M31	23 0 8	13♍ 7'24	28♎ 9	19♍36	10♎30	10♌28	27♊39	1♓51	23♎14	22♈45	15♒46	27♊52	27♊18	26♏45	10♉15	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n42	6n35	5n 8	20n48	0s18	11n31	1n24	22n49	0n59	23n 2	0s21	11s57	2s 2	8s 7	0n32	7n19	1s51	26s42	11s15	23n34	23n33	15s50	14n44	0s18
S 2	16 26	1 33	5 6	20 47	0 3	11 3	1 24	22 43	1 0	23 2	0 21	11 59	2 2	8 7	0 32	7 19	1 51	26 42	11 15	23 34	23 33	15 52	14 44	0 19
M 3	16 8	3s27	4 50	20 44	0n10	10 35	1 23	22 37	1 0	23 3	0 21	12 0	2 2	8 8	0 32	7 19	1 51	26 43	11 15	23 34	23 33	15 54	14 44	0 19
T 4	15 51	8 13	4 22	20 38	0 23	10 6	1 22	22 31	1 1	23 3	0 21	12 2	2 3	8 9	0 32	7 19	1 51	26 43	11 15	23 34	23 33	15 57	14 44	0 19
W 5	15 33	12 38	3 42	20 29	0 35	9 38	1 21	22 25	1 1	23 4	0 21	12 4	2 3	8 10	0 32	7 19	1 51	26 44	11 15	23 34	23 33	15 59	14 44	0 19
T 6	15 15	16 33	2 53	20 18	0 46	9 9	1 19	22 19	1 1	23 5	0 21	12 5	2 3	8 11	0 31	7 18	1 51	26 44	11 15	23 34	23 33	16 1	14 44	0 19
F 7	14 57	19 48	1 57	20 4	0 56	8 40	1 18	22 12	1 2	23 5	0 21	12 7	2 3	8 11	0 31	7 18	1 51	26 44	11 15	23 34	23 33	16 4	14 44	0 19
S 8	14 39	22 15	0 55	19 47	1 6	8 10	1 17	22 5	1 2	23 6	0 21	12 9	2 3	8 12	0 31	7 18	1 52	26 45	11 15	23 34	23 33	16 6	14 44	0 19
S 9	14 20	23 43	0s10	19 27	1 14	7 40	1 16	21 58	1 3	23 6	0 20	12 11	2 3	8 13	0 31	7 18	1 52	26 45	11 15	23 34	23 33	16 8	14 44	0 19
M10	14 1	24 3	1 16	19 4	1 21	7 11	1 14	21 51	1 3	23 7	0 20	12 12	2 3	8 14	0 31	7 17	1 52	26 46	11 15	23 34	23 33	16 11	14 44	0 19
T 11	13 42	23 9	2 19	18 39	1 28	6 41	1 13	21 44	1 3	23 7	0 20	12 14	2 3	8 15	0 31	7 17	1 52	26 46	11 15	23 34	23 33	16 13	14 44	0 19
W12	13 23	21 0	3 17	18 12	1 33	6 10	1 11	21 37	1 4	23 8	0 20	12 16	2 3	8 16	0 31	7 17	1 52	26 47	11 15	23 34	23 33	16 15	14 44	0 20
T 13	13 3	17 41	4 5	17 42	1 38	5 40	1 10	21 29	1 4	23 8	0 20	12 18	2 4	8 17	0 31	7 16	1 52	26 47	11 15	23 34	23 33	16 18	14 44	0 20
F 14	12 43	13 22	4 41	17 10	1 41	5 10	1 8	21 22	1 5	23 8	0 20	12 19	2 4	8 18	0 31	7 16	1 52	26 47	11 15	23 34	23 33	16 20	14 43	0 20
S 15	12 23	8 16	5 1	16 37	1 44	4 39	1 6	21 14	1 5	23 9	0 20	12 21	2 4	8 19	0 31	7 16	1 52	26 48	11 15	23 34	23 33	16 22	14 43	0 20
S 16	12 3	2 41	5 3	16 1	1 46	4 8	1 5	21 6	1 5	23 9	0 20	12 23	2 4	8 20	0 31	7 15	1 52	26 48	11 15	23 34	23 33	16 24	14 43	0 20
M17	11 43	3n 5	4 47	15 24	1 47	3 37	1 3	20 58	1 6	23 10	0 20	12 25	2 4	8 21	0 31	7 15	1 52	26 49	11 15	23 34	23 33	16 27	14 43	0 20
T 18	11 22	8 44	4 12	14 45	1 48	3 6	1 1	20 50	1 6	23 10	0 20	12 26	2 4	8 22	0 31	7 15	1 52	26 49	11 15	23 34	23 33	16 29	14 43	0 20
W19	11 1	13 55	3 23	14 5	1 47	2 35	0 59	20 41	1 7	23 10	0 20	12 28	2 4	8 23	0 31	7 14	1 52	26 49	11 15	23 34	23 33	16 31	14 42	0 20
T 20	10 41	18 19	2 21	13 24	1 47	2 4	0 57	20 33	1 7	23 11	0 20	12 30	2 4	8 24	0 31	7 14	1 52	26 50	11 15	23 34	23 33	16 34	14 42	0 20
F 21	10 19	21 38	1 10	12 41	1 45	1 33	0 55	20 24	1 7	23 11	0 20	12 32	2 4	8 25	0 31	7 14	1 52	26 50	11 15	23 34	23 33	16 36	14 42	0 20
S 22	9 58	23 37	0n 4	11 58	1 43	1 1	0 53	20 16	1 8	23 11	0 20	12 33	2 4	8 26	0 31	7 13	1 52	26 50	11 15	23 34	23 33	16 38	14 41	0 21
S 23	9 37	24 8	1 17	11 14	1 41	0 30	0 51	20 7	1 8	23 11	0 20	12 35	2 4	8 27	0 31	7 13	1 52	26 51	11 15	23 34	23 33	16 41	14 41	0 21
M24	9 15	23 9	2 25	10 30	1 38	0s 2	0 49	19 58	1 9	23 12	0 20	12 37	2 4	8 28	0 31	7 12	1 52	26 51	11 15	23 34	23 33	16 43	14 41	0 21
T 25	8 53	20 48	3 23	9 45	1 34	0 33	0 46	19 48	1 9	23 12	0 20	12 39	2 4	8 29	0 31	7 12	1 52	26 51	11 15	23 33	23 32	16 45	14 40	0 21
W26	8 31	17 21	4 10	9 0	1 30	1 4	0 44	19 39	1 9	23 12	0 19	12 40	2 4	8 30	0 31	7 11	1 53	26 52	11 15	23 33	23 32	16 47	14 40	0 21
T 27	8 9	13 4	4 42	8 14	1 26	1 36	0 42	19 30	1 10	23 12	0 19	12 42	2 4	8 31	0 31	7 11	1 53	26 52	11 15	23 33	23 32	16 50	14 39	0 21
F 28	7 47	8 16	4 59	7 28	1 21	2 7	0 39	19 20	1 10	23 13	0 19	12 44	2 4	8 32	0 31	7 10	1 53	26 52	11 15	23 33	23 32	16 52	14 39	0 21
S 29	7 25	3 12	5 0	6 41	1 17	2 39	0 37	19 11	1 11	23 13	0 19	12 45	2 5	8 33	0 31	7 10	1 53	26 53	11 15	23 33	23 32	16 54	14 39	0 21
S 30	7 2	1s53	4 47	5 55	1 11	3 10	0 34	19 1	1 11	23 13	0 19	12 47	2 5	8 35	0 31	7 10	1 53	26 53	11 15	23 33	23 32	16 57	14 38	0 21
M31	6n40	6s49	4n21	5n 9	1n 6	3s41	0n32	18n51	1n11	23n13	0s19	12s49	2s 5	8s36	0n31	7n 9	1s53	26s53	11s15	23n33	23n32	16s59	14n38	0s21

Julian Day Number = 2105513.5, Delta T = 20m31s
Ecliptic obliquity = 23°33'44, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°32'02, Lahiri = 10°39'03 Julian Calendar 1 Aug. 1052 == Greg. Calendar 7 Aug. 1052

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1052
geocentric

SEPTEMBER 1052 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 4 4	14♍ 6'07	10♏11	21♍20	11♎43	11♌ 5	27♊46	1°R46	23♎17	22°R44	15°R45	27°R45	27♊15	26♏52	10°R13	T 1
W 2	23 8 1	15° 4'52	22° 4	23° 3	12°57	11°43	27°53	1♓42	23°20	22♈43	15♒44	27♊41	27°12	26°58	10♉12	W 2
T 3	23 11 58	16° 3'39	3♐53	24°45	14°10	12°20	28° 0	1°37	23°23	22°42	15°43	27°39	27° 9	27° 5	10°11	T 3
F 4	23 15 54	17° 2'28	15°42	26°26	15°23	12°58	28° 7	1°33	23°27	22°40	15°41	27°D38	27° 6	27°12	10° 9	F 4
S 5	23 19 51	18° 1'18	27°38	28° 6	16°37	13°35	28°14	1°29	23°30	22°39	15°40	27°R38	27° 2	27°18	10° 8	S 5
S 6	23 23 47	19° 0'10	9♑45	29°46	17°50	14°12	28°20	1°24	23°33	22°38	15°39	27°38	26°59	27°25	10° 6	S 6
M 7	23 27 44	19°59'04	22° 9	1♒24	19° 3	14°50	28°27	1°20	23°36	22°36	15°38	27°36	26°56	27°32	10° 4	M 7
T 8	23 31 40	20°58'00	4♒54	3° 1	20°17	15°27	28°33	1°16	23°40	22°35	15°37	27°31	26°53	27°38	10° 3	T 8
W 9	23 35 37	21°56'58	18° 4	4°38	21°30	16° 4	28°39	1°12	23°43	22°34	15°36	27°24	26°50	27°45	10° 1	W 9
T 10	23 39 33	22°55'58	1♓38	6°13	22°43	16°42	28°45	1° 8	23°46	22°32	15°35	27°15	26°47	27°52	9°59	T 10
F 11	23 43 30	23°54'59	15°37	7°48	23°56	17°19	28°51	1° 4	23°50	22°31	15°34	27° 4	26°43	27°58	9°57	F 11
S 12	23 47 27	24°54'02	29°55	9°22	25°10	17°56	28°57	1° 0	23°53	22°29	15°33	26°52	26°40	28° 5	9°56	S 12
S 13	23 51 23	25°53'08	14♈27	10°55	26°23	18°33	29° 2	0°56	23°56	22°28	15°32	26°40	26°37	28°12	9°54	S 13
M14	23 55 20	26°52'16	29° 5	12°27	27°36	19°11	29° 8	0°52	24° 0	22°26	15°31	26°30	26°34	28°18	9°52	M14
T 15	23 59 16	27°51'26	13♉43	13°58	28°49	19°48	29°13	0°48	24° 3	22°25	15°31	26°23	26°31	28°25	9°50	T 15
W16	0 3 13	28°50'38	28°14	15°29	0♏ 2	20°25	29°18	0°44	24° 7	22°23	15°30	26°19	26°28	28°32	9°48	W16
T 17	0 7 9	29°49'53	12♊34	16°59	1°16	21° 2	29°23	0°40	24°10	22°22	15°29	26°17	26°24	28°38	9°46	T 17
F 18	0 11 6	0♎49'11	26°40	18°28	2°29	21°39	29°28	0°37	24°14	22°20	15°28	26°17	26°21	28°45	9°43	F 18
S 19	0 15 2	1°48'30	10♋33	19°56	3°42	22°16	29°32	0°33	24°17	22°19	15°27	26°17	26°18	28°52	9°41	S 19
S 20	0 18 59	2°47'52	24°13	21°23	4°55	22°53	29°36	0°29	24°21	22°17	15°26	26°16	26°15	28°58	9°39	S 20
M21	0 22 56	3°47'17	7♌40	22°50	6° 8	23°30	29°41	0°26	24°24	22°16	15°26	26°12	26°12	29° 5	9°37	M21
T 22	0 26 52	4°46'44	20°55	24°15	7°21	24° 7	29°45	0°23	24°28	22°14	15°25	26° 6	26° 8	29°12	9°34	T 22
W23	0 30 49	5°46'13	3♍59	25°40	8°34	24°44	29°48	0°19	24°31	22°12	15°24	25°57	26° 5	29°18	9°32	W23
T 24	0 34 45	6°45'44	16°51	27° 4	9°47	25°21	29°52	0°16	24°35	22°11	15°23	25°45	26° 2	29°25	9°30	T 24
F 25	0 38 42	7°45'17	29°32	28°27	11° 0	25°58	29°55	0°13	24°39	22° 9	15°23	25°32	25°59	29°32	9°27	F 25
S 26	0 42 38	8°44'53	12♎ 1	29°49	12°13	26°34	29°59	0°10	24°42	22° 8	15°22	25°18	25°56	29°38	9°25	S 26
S 27	0 46 35	9°44'30	24°18	1♏10	13°26	27°11	0♋ 2	0° 7	24°46	22° 6	15°21	25° 5	25°53	29°45	9°22	S 27
M28	0 50 31	10°44'10	6♏25	2°30	14°39	27°48	0° 5	0° 4	24°50	22° 4	15°21	24°54	25°49	29°52	9°19	M28
T 29	0 54 28	11°43'51	18°21	3°48	15°52	28°25	0° 7	0° 1	24°53	22° 3	15°20	24°46	25°46	29°58	9°17	T 29
W30	0 58 24	12♎43'34	0♐11	5♏ 6	17♏ 4	29♌ 1	0♋10	29♒58	24♎57	22♈ 1	15♒19	24♊41	25♊43	0♐ 5	9♉14	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n17	11s25	3n44	4n22	1n 0	4s13	0n29	18n41	1n12	23n13	0s19	12s50	2s 5	8s37	0n31	7n 9	1s53	26s53	11s14	23n33	23n32	17s 1	14n37	0s22
W 2	5 54	15 32	2 57	3 36	0 54	4 44	0 26	18 31	1 12	23 14	0 19	12 52	2 5	8 38	0 31	7 8	1 53	26 54	11 14	23 33	23 32	17 3	14 37	0 22
T 3	5 32	19 2	2 2	2 50	0 48	5 15	0 24	18 21	1 12	23 14	0 19	12 53	2 5	8 39	0 31	7 8	1 53	26 54	11 14	23 32	23 32	17 6	14 36	0 22
F 4	5 9	21 45	1 3	2 4	0 42	5 46	0 21	18 10	1 13	23 14	0 19	12 55	2 5	8 41	0 31	7 7	1 53	26 54	11 14	23 32	23 32	17 8	14 35	0 22
S 5	4 46	23 32	0 0	1 18	0 35	6 17	0 18	18 0	1 13	23 14	0 19	12 57	2 5	8 42	0 31	7 7	1 53	26 54	11 14	23 32	23 32	17 10	14 35	0 22
S 6	4 22	24 16	1s 4	0 32	0 29	6 48	0 16	17 49	1 14	23 14	0 19	12 58	2 5	8 43	0 31	7 6	1 53	26 55	11 14	23 32	23 32	17 12	14 34	0 22
M 7	3 59	23 48	2 6	0s13	0 22	7 18	0 13	17 39	1 14	23 14	0 19	13 0	2 5	8 44	0 31	7 5	1 53	26 55	11 14	23 32	23 32	17 15	14 34	0 22
T 8	3 36	22 6	3 4	0 59	0 15	7 49	0 10	17 28	1 14	23 15	0 19	13 1	2 5	8 45	0 31	7 5	1 53	26 55	11 14	23 32	23 32	17 17	14 33	0 22
W 9	3 13	19 11	3 53	1 43	0 8	8 19	0 7	17 17	1 15	23 15	0 19	13 3	2 5	8 47	0 31	7 4	1 53	26 55	11 14	23 32	23 31	17 19	14 32	0 22
T 10	2 49	15 10	4 31	2 28	0 1	8 49	0 4	17 6	1 15	23 15	0 19	13 4	2 4	8 48	0 31	7 4	1 53	26 55	11 13	23 32	23 31	17 21	14 32	0 23
F 11	2 26	10 13	4 54	3 12	0s 6	9 19	0 1	16 55	1 15	23 15	0 19	13 5	2 4	8 49	0 31	7 3	1 53	26 56	11 13	23 32	23 31	17 24	14 31	0 23
S 12	2 2	4 37	5 0	3 56	0 13	9 49	0s 2	16 44	1 16	23 15	0 18	13 7	2 4	8 50	0 31	7 3	1 53	26 56	11 13	23 31	23 31	17 26	14 30	0 23
S 13	1 39	1n20	4 46	4 39	0 20	10 18	0 5	16 33	1 16	23 15	0 18	13 8	2 4	8 52	0 30	7 2	1 53	26 56	11 13	23 31	23 31	17 28	14 30	0 23
M14	1 15	7 15	4 14	5 22	0 27	10 48	0 8	16 22	1 17	23 15	0 18	13 10	2 4	8 53	0 30	7 2	1 53	26 56	11 13	23 31	23 31	17 30	14 29	0 23
T 15	0 51	12 47	3 25	6 4	0 35	11 17	0 11	16 10	1 17	23 15	0 18	13 11	2 4	8 54	0 30	7 1	1 53	26 56	11 13	23 31	23 31	17 32	14 28	0 23
W16	0 28	17 33	2 22	6 46	0 42	11 45	0 14	15 59	1 17	23 15	0 18	13 12	2 4	8 56	0 30	7 0	1 53	26 56	11 13	23 31	23 31	17 35	14 28	0 23
T 17	0 4	21 14	1 12	7 27	0 49	12 14	0 17	15 47	1 18	23 16	0 18	13 14	2 4	8 57	0 30	7 0	1 53	26 57	11 12	23 31	23 31	17 37	14 27	0 23
F 18	0s20	23 33	0n 2	8 8	0 56	12 42	0 20	15 35	1 18	23 16	0 18	13 15	2 4	8 58	0 30	6 59	1 53	26 57	11 12	23 31	23 31	17 39	14 26	0 23
S 19	0 43	24 23	1 15	8 48	1 3	13 10	0 23	15 24	1 18	23 16	0 18	13 16	2 4	9 0	0 30	6 59	1 53	26 57	11 12	23 31	23 31	17 41	14 25	0 23
S 20	1 7	23 43	2 22	9 28	1 10	13 38	0 26	15 12	1 19	23 16	0 18	13 17	2 4	9 1	0 30	6 58	1 53	26 57	11 12	23 31	23 31	17 44	14 24	0 24
M21	1 31	21 40	3 20	10 7	1 17	14 5	0 29	15 0	1 19	23 16	0 18	13 18	2 4	9 2	0 30	6 57	1 53	26 57	11 12	23 30	23 30	17 46	14 24	0 24
T 22	1 54	18 29	4 6	10 45	1 24	14 32	0 32	14 48	1 19	23 16	0 18	13 20	2 4	9 4	0 30	6 57	1 53	26 57	11 12	23 30	23 30	17 48	14 23	0 24
W23	2 18	14 26	4 39	11 23	1 31	14 59	0 35	14 36	1 20	23 16	0 18	13 21	2 4	9 5	0 30	6 56	1 53	26 57	11 11	23 30	23 30	17 50	14 22	0 24
T 24	2 42	9 46	4 57	12 0	1 37	15 25	0 38	14 24	1 20	23 16	0 18	13 22	2 4	9 6	0 30	6 56	1 53	26 57	11 11	23 30	23 30	17 52	14 21	0 24
F 25	3 6	4 46	5 0	12 36	1 44	15 51	0 41	14 11	1 20	23 16	0 18	13 23	2 4	9 8	0 30	6 55	1 54	26 57	11 11	23 29	23 30	17 55	14 20	0 24
S 26	3 29	0s21	4 48	13 11	1 50	16 17	0 44	13 59	1 21	23 16	0 18	13 24	2 4	9 9	0 30	6 54	1 54	26 57	11 11	23 29	23 30	17 57	14 19	0 24
S 27	3 53	5 24	4 23	13 45	1 57	16 42	0 47	13 47	1 21	23 16	0 17	13 25	2 3	9 10	0 30	6 54	1 54	26 57	11 11	23 28	23 30	17 59	14 18	0 24
M28	4 16	10 10	3 46	14 19	2 3	17 7	0 50	13 34	1 21	23 16	0 17	13 26	2 3	9 12	0 30	6 53	1 54	26 57	11 11	23 28	23 30	18 1	14 17	0 24
T 29	4 40	14 30	3 0	14 52	2 9	17 31	0 53	13 22	1 22	23 16	0 17	13 27	2 3	9 13	0 30	6 52	1 54	26 57	11 10	23 28	23 30	18 3	14 16	0 24
W30	5s 3	18s14	2n 6	15s24	2s14	17s55	0s56	13n 9	1n22	23n16	0s17	13s28	2s 3	9s14	0n30	6n52	1s54	26s57	11s10	23n27	23n30	18s 5	14n16	0s25

Julian Day Number = 2105544.5, Delta T = 20m31s
Ecliptic obliquity = 23°33'44, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°32'06, Lahiri = 10°39'07 Julian Calendar 1 Sept. 1052 == Greg. Calendar 7 Sept. 1052

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1052
geocentric

OCTOBER 1052 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 2 21	13♎43'20	11♐58	6♏22	18♏17	29♌38	0♋12	29°R55	25♎ 1	21°R59	15°R19	24°R38	25♊40	0♐12	9°R12	T 1
F 2	1 6 18	14°43'07	23°45	7°37	19°30	0♍15	0°14	29♒53	25° 4	21♈58	15♒18	24°D37	25°37	0°18	9♉ 9	F 2
S 3	1 10 14	15°42'56	5♑39	8°50	20°43	0°51	0°16	29°50	25° 8	21°56	15°18	24♊38	25°33	0°25	9° 6	S 3
S 4	1 14 11	16°42'46	17°43	10° 1	21°56	1°28	0°18	29°48	25°12	21°54	15°17	24°R38	25°30	0°32	9° 3	S 4
M 5	1 18 7	17°42'39	0♒ 4	11°11	23° 8	2° 4	0°19	29°46	25°16	21°53	15°17	24°37	25°27	0°38	9° 1	M 5
T 6	1 22 4	18°42'33	12°48	12°19	24°21	2°41	0°21	29°43	25°19	21°51	15°16	24°34	25°24	0°45	8°58	T 6
W 7	1 26 0	19°42'28	25°57	13°24	25°34	3°17	0°22	29°41	25°23	21°49	15°16	24°29	25°21	0°52	8°55	W 7
T 8	1 29 57	20°42'26	9♓35	14°27	26°46	3°53	0°23	29°39	25°27	21°48	15°16	24°22	25°18	0°58	8°52	T 8
F 9	1 33 53	21°42'25	23°41	15°27	27°59	4°30	0°23	29°37	25°31	21°46	15°15	24°13	25°14	1° 5	8°49	F 9
S 10	1 37 50	22°42'26	8♈12	16°25	29°11	5° 6	0°24	29°35	25°34	21°44	15°15	24° 3	25°11	1°12	8°46	S 10
S 11	1 41 47	23°42'29	23° 2	17°18	0♐24	5°42	0°24	29°34	25°38	21°43	15°14	23°53	25° 8	1°18	8°43	S 11
M12	1 45 43	24°42'33	8♉ 3	18° 8	1°36	6°19	0°R24	29°32	25°42	21°41	15°14	23°45	25° 5	1°25	8°41	M12
T 13	1 49 40	25°42'40	23° 5	18°54	2°49	6°55	0°24	29°30	25°46	21°39	15°14	23°39	25° 2	1°31	8°38	T 13
W14	1 53 36	26°42'49	7♊59	19°36	4° 1	7°31	0°24	29°29	25°49	21°38	15°14	23°36	24°59	1°38	8°35	W14
T 15	1 57 33	27°43'00	22°39	20°12	5°14	8° 7	0°24	29°28	25°53	21°36	15°13	23°D35	24°55	1°45	8°32	T 15
F 16	2 1 29	28°43'13	6♋59	20°42	6°26	8°43	0°23	29°26	25°57	21°34	15°13	23°35	24°52	1°51	8°29	F 16
S 17	2 5 26	29°43'28	20°58	21° 6	7°38	9°19	0°22	29°25	26° 1	21°33	15°13	23°36	24°49	1°58	8°26	S 17
S 18	2 9 22	0♏43'45	4♌37	21°22	8°50	9°55	0°21	29°24	26° 4	21°31	15°13	23°R37	24°46	2° 5	8°23	S 18
M19	2 13 19	1°44'04	17°56	21°31	10° 3	10°31	0°20	29°23	26° 8	21°29	15°13	23°35	24°43	2°11	8°20	M19
T 20	2 17 16	2°44'25	0♍59	21°R32	11°15	11° 7	0°18	29°22	26°12	21°28	15°13	23°32	24°39	2°18	8°17	T 20
W21	2 21 12	3°44'49	13°47	21°23	12°27	11°43	0°17	29°22	26°16	21°26	15°13	23°26	24°36	2°25	8°13	W21
T 22	2 25 9	4°45'14	26°21	21° 5	13°39	12°19	0°15	29°21	26°19	21°24	15°12	23°18	24°33	2°31	8°10	T 22
F 23	2 29 5	5°45'41	8♎45	20°37	14°51	12°55	0°13	29°20	26°23	21°23	15°D12	23° 9	24°30	2°38	8° 7	F 23
S 24	2 33 2	6°46'10	20°59	19°59	16° 3	13°31	0°11	29°20	26°27	21°21	15°12	23° 0	24°27	2°45	8° 4	S 24
S 25	2 36 58	7°46'40	3♏ 4	19°11	17°15	14° 6	0° 8	29°20	26°30	21°19	15°12	22°51	24°24	2°51	8° 1	S 25
M26	2 40 55	8°47'12	15° 1	18°13	18°27	14°42	0° 6	29°19	26°34	21°18	15°13	22°44	24°20	2°58	7°58	M26
T 27	2 44 51	9°47'46	26°53	17° 6	19°39	15°18	0° 3	29°19	26°38	21°16	15°13	22°38	24°17	3° 5	7°55	T 27
W28	2 48 48	10°48'22	8♐40	15°53	20°50	15°53	29♊59	29°D19	26°41	21°15	15°13	22°35	24°14	3°11	7°52	W28
T 29	2 52 45	11°48'58	20°26	14°35	22° 2	16°29	29°56	29°19	26°45	21°13	15°13	22°D34	24°11	3°18	7°49	T 29
F 30	2 56 41	12°49'37	2♑14	13°14	23°14	17° 4	29°53	29°20	26°49	21°12	15°13	22°34	24° 8	3°25	7°46	F 30
S 31	3 0 38	13♏50'16	14♑ 8	11♏53	24♐26	17♍40	29♊49	29♒20	26♎52	21♈10	15♒13	22♊36	24♊ 5	3♐31	7♉43	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s26	21s14	1n 7	15s54	2s20	18s19	1s 0	12n57	1n23	23n17	0s17	13s29	2s 3	9s16	0n30	6n51	1s54	26s57	11s10	23n27	23n29	18s 8	14n15	0s25
F 2	5 50	23 20	0 5	16 24	2 25	18 42	1 3	12 44	1 23	23 17	0 17	13 29	2 3	9 17	0 30	6 51	1 54	26 57	11 10	23 27	23 29	18 10	14 14	0 25
S 3	6 13	24 25	0s58	16 53	2 30	19 5	1 6	12 31	1 23	23 17	0 17	13 30	2 3	9 18	0 30	6 50	1 54	26 57	11 10	23 27	23 29	18 12	14 13	0 25
S 4	6 36	24 22	2 0	17 20	2 34	19 27	1 8	12 19	1 24	23 17	0 17	13 31	2 3	9 20	0 30	6 49	1 54	26 57	11 9	23 27	23 29	18 14	14 12	0 25
M 5	6 59	23 7	2 57	17 46	2 39	19 48	1 11	12 6	1 24	23 17	0 17	13 32	2 3	9 21	0 30	6 49	1 54	26 57	11 9	23 27	23 29	18 16	14 11	0 25
T 6	7 22	20 41	3 48	18 11	2 42	20 9	1 14	11 53	1 24	23 17	0 17	13 32	2 3	9 23	0 30	6 48	1 54	26 57	11 9	23 27	23 29	18 18	14 10	0 25
W 7	7 45	17 7	4 28	18 34	2 46	20 30	1 17	11 40	1 25	23 17	0 17	13 33	2 2	9 24	0 30	6 47	1 54	26 57	11 9	23 27	23 29	18 21	14 9	0 25
T 8	8 8	12 33	4 54	18 56	2 49	20 50	1 20	11 27	1 25	23 17	0 17	13 34	2 2	9 25	0 30	6 47	1 54	26 57	11 9	23 27	23 29	18 23	14 8	0 25
F 9	8 30	7 10	5 4	19 17	2 51	21 10	1 23	11 14	1 25	23 17	0 17	13 34	2 2	9 27	0 30	6 46	1 54	26 57	11 8	23 26	23 29	18 25	14 7	0 25
S 10	8 53	1 15	4 55	19 35	2 53	21 28	1 26	11 1	1 26	23 17	0 17	13 35	2 2	9 28	0 30	6 45	1 54	26 57	11 8	23 26	23 28	18 27	14 6	0 25
S 11	9 15	4n53	4 26	19 52	2 54	21 47	1 28	10 48	1 26	23 17	0 16	13 35	2 2	9 29	0 30	6 45	1 54	26 57	11 8	23 25	23 28	18 29	14 5	0 26
M12	9 37	10 49	3 39	20 7	2 55	22 5	1 31	10 35	1 26	23 17	0 16	13 36	2 2	9 31	0 30	6 44	1 54	26 57	11 8	23 25	23 28	18 31	14 4	0 26
T 13	9 59	16 8	2 36	20 20	2 55	22 22	1 34	10 21	1 27	23 17	0 16	13 36	2 2	9 32	0 30	6 44	1 54	26 57	11 7	23 25	23 28	18 33	14 3	0 26
W14	10 21	20 24	1 23	20 30	2 54	22 38	1 37	10 8	1 27	23 17	0 16	13 36	2 2	9 34	0 30	6 43	1 54	26 56	11 7	23 24	23 28	18 36	14 2	0 26
T 15	10 43	23 16	0 5	20 38	2 52	22 54	1 39	9 55	1 27	23 18	0 16	13 37	2 1	9 35	0 30	6 42	1 54	26 56	11 7	23 24	23 28	18 38	14 1	0 26
F 16	11 4	24 34	1n11	20 44	2 49	23 10	1 42	9 42	1 28	23 18	0 16	13 37	2 1	9 36	0 30	6 42	1 54	26 56	11 7	23 24	23 28	18 40	13 59	0 26
S 17	11 26	24 15	2 22	20 46	2 45	23 24	1 44	9 28	1 28	23 18	0 16	13 37	2 1	9 38	0 30	6 41	1 54	26 56	11 7	23 24	23 28	18 42	13 58	0 26
S 18	11 47	22 29	3 22	20 46	2 40	23 39	1 47	9 15	1 28	23 18	0 16	13 38	2 1	9 39	0 30	6 40	1 54	26 56	11 6	23 24	23 27	18 44	13 57	0 26
M19	12 8	19 30	4 10	20 42	2 33	23 52	1 49	9 1	1 28	23 18	0 16	13 38	2 1	9 40	0 30	6 40	1 54	26 56	11 6	23 24	23 27	18 46	13 56	0 26
T 20	12 29	15 36	4 44	20 34	2 25	24 5	1 51	8 48	1 29	23 18	0 16	13 38	2 1	9 42	0 30	6 39	1 54	26 55	11 6	23 24	23 27	18 48	13 55	0 26
W21	12 50	11 4	5 3	20 23	2 16	24 17	1 54	8 35	1 29	23 18	0 16	13 38	2 1	9 43	0 30	6 39	1 54	26 55	11 6	23 24	23 27	18 50	13 54	0 26
T 22	13 10	6 9	5 7	20 7	2 4	24 28	1 56	8 21	1 29	23 18	0 16	13 38	2 0	9 45	0 30	6 38	1 54	26 55	11 5	23 24	23 27	18 53	13 53	0 27
F 23	13 31	1 3	4 56	19 48	1 52	24 39	1 58	8 8	1 30	23 18	0 15	13 38	2 0	9 46	0 30	6 37	1 54	26 55	11 5	23 23	23 27	18 55	13 52	0 27
S 24	13 51	4s 2	4 32	19 23	1 37	24 49	2 0	7 54	1 30	23 18	0 15	13 38	2 0	9 47	0 30	6 37	1 54	26 55	11 5	23 23	23 27	18 57	13 51	0 27
S 25	14 10	8 54	3 56	18 54	1 21	24 58	2 2	7 40	1 30	23 18	0 15	13 38	2 0	9 49	0 30	6 36	1 54	26 54	11 5	23 22	23 27	18 59	13 50	0 27
M26	14 30	13 24	3 9	18 22	1 4	25 7	2 4	7 27	1 31	23 19	0 15	13 38	2 0	9 50	0 30	6 36	1 53	26 54	11 4	23 22	23 26	19 1	13 49	0 27
T 27	14 49	17 22	2 15	17 45	0 45	25 15	2 6	7 13	1 31	23 19	0 15	13 38	2 0	9 51	0 30	6 35	1 53	26 54	11 4	23 21	23 26	19 3	13 48	0 27
W28	15 9	20 38	1 15	17 4	0 25	25 22	2 8	7 0	1 31	23 19	0 15	13 38	2 0	9 53	0 30	6 35	1 53	26 54	11 4	23 21	23 26	19 5	13 47	0 27
T 29	15 27	23 1	0 12	16 22	0 4	25 29	2 10	6 46	1 32	23 19	0 15	13 38	1 59	9 54	0 30	6 34	1 53	26 53	11 4	23 21	23 26	19 7	13 46	0 27
F 30	15 46	24 25	0s53	15 38	0n16	25 34	2 11	6 33	1 32	23 19	0 15	13 38	1 59	9 55	0 30	6 33	1 53	26 53	11 4	23 21	23 26	19 9	13 44	0 27
S 31	16s 4	24s43	1s55	14s54	0n37	25s39	2s13	6n19	1n32	23n19	0s15	13s37	1s59	9s57	0n30	6n33	1s53	26s53	11s 3	23n21	23n26	19s11	13n43	0s27

Julian Day Number = 2105574.5, Delta T = 20m31s
Ecliptic obliquity = 23°33'45, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°32'11, Lahiri = 10°39'11 Julian Calendar 1 Oct. 1052 == Greg. Calendar 7 Oct. 1052

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1052
geocentric

NOVEMBER 1052 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 4 34	14♏50'57	26♉11	10°R34	25♐37	18♍15	29°R46	29♒20	26♎56	21°R 8	15♒13	22♊37	24♊ 1	3♐38	7°R40	S 1
M 2	3 8 31	15°51'39	8♒30	9♏21	26°49	18°50	29♊42	29°21	27° 0	21♈ 7	15°14	22°39	23°58	3°45	7♉37	M 2
T 3	3 12 27	16°52'22	21° 8	8°15	28° 0	19°26	29°37	29°21	27° 3	21° 5	15°14	22°R39	23°55	3°51	7°34	T 3
W 4	3 16 24	17°53'06	4♓11	7°19	29°11	20° 1	29°33	29°22	27° 7	21° 4	15°14	22°37	23°52	3°58	7°31	W 4
T 5	3 20 20	18°53'51	17°41	6°33	0♉23	20°36	29°29	29°23	27°10	21° 3	15°15	22°35	23°49	4° 5	7°28	T 5
F 6	3 24 17	19°54'37	1♈40	5°59	1°34	21°11	29°24	29°24	27°14	21° 1	15°15	22°31	23°45	4°11	7°25	F 6
S 7	3 28 14	20°55'25	16° 8	5°37	2°45	21°46	29°19	29°25	27°18	21° 0	15°15	22°26	23°42	4°18	7°22	S 7
S 8	3 32 10	21°56'13	0♉59	5°25	3°56	22°21	29°14	29°26	27°21	20°58	15°16	22°21	23°39	4°25	7°19	S 8
M 9	3 36 7	22°57'02	16° 8	5°D25	5° 7	22°56	29° 9	29°28	27°25	20°57	15°16	22°17	23°36	4°31	7°16	M 9
T 10	3 40 3	23°57'53	1♊23	5°36	6°18	23°31	29° 3	29°29	27°28	20°56	15°17	22°14	23°33	4°38	7°13	T 10
W11	3 44 0	24°58'45	16°34	5°55	7°29	24° 6	28°58	29°30	27°31	20°54	15°17	22°D13	23°30	4°44	7°10	W11
T 12	3 47 56	25°59'39	1♋34	6°24	8°39	24°41	28°52	29°32	27°35	20°53	15°18	22°13	23°26	4°51	7° 7	T 12
F 13	3 51 53	27° 0'33	16°13	7° 0	9°50	25°16	28°46	29°34	27°38	20°52	15°18	22°14	23°23	4°58	7° 4	F 13
S 14	3 55 49	28° 1'29	0♌28	7°44	11° 0	25°50	28°40	29°36	27°42	20°50	15°19	22°16	23°20	5° 4	7° 1	S 14
S 15	3 59 46	29° 2'27	14°17	8°33	12°11	26°25	28°34	29°37	27°45	20°49	15°19	22°17	23°17	5°11	6°59	S 15
M16	4 3 43	0♐ 3'25	27°42	9°29	13°21	26°59	28°28	29°39	27°48	20°48	15°20	22°R18	23°14	5°18	6°56	M16
T 17	4 7 39	1° 4'25	10♍43	10°28	14°31	27°34	28°22	29°42	27°52	20°47	15°20	22°18	23°11	5°24	6°53	T 17
W18	4 11 36	2° 5'26	23°24	11°32	15°41	28° 8	28°15	29°44	27°55	20°45	15°21	22°16	23° 7	5°31	6°50	W18
T 19	4 15 32	3° 6'28	5♎50	12°40	16°51	28°43	28° 8	29°46	27°58	20°44	15°22	22°14	23° 4	5°38	6°48	T 19
F 20	4 19 29	4° 7'31	18° 2	13°50	18° 1	29°17	28° 2	29°48	28° 1	20°43	15°23	22°11	23° 1	5°44	6°45	F 20
S 21	4 23 25	5° 8'35	0♏ 4	15° 4	19°11	29°51	27°55	29°51	28° 5	20°42	15°23	22° 8	22°58	5°51	6°42	S 21
S 22	4 27 22	6° 9'41	11°59	16°20	20°21	0♎26	27°48	29°54	28° 8	20°41	15°24	22° 6	22°55	5°58	6°40	S 22
M23	4 31 18	7°10'47	23°50	17°37	21°30	1° 0	27°40	29°56	28°11	20°40	15°25	22° 3	22°51	6° 4	6°37	M23
T 24	4 35 15	8°11'54	5♐38	18°57	22°40	1°34	27°33	29°59	28°14	20°39	15°26	22° 2	22°48	6°11	6°35	T 24
W25	4 39 12	9°13'02	17°25	20°18	23°49	2° 8	27°26	0♓ 2	28°17	20°38	15°26	22°D 1	22°45	6°18	6°32	W25
T 26	4 43 8	10°14'10	29°14	21°40	24°58	2°42	27°18	0° 5	28°20	20°37	15°27	22° 1	22°42	6°24	6°30	T 26
F 27	4 47 5	11°15'19	11♑ 7	23° 4	26° 7	3°15	27°11	0° 8	28°23	20°36	15°28	22° 2	22°39	6°31	6°27	F 27
S 28	4 51 1	12°16'28	23° 7	24°29	27°16	3°49	27° 3	0°11	28°26	20°35	15°29	22° 3	22°36	6°38	6°25	S 28
S 29	4 54 58	13°17'38	5♒16	25°54	28°25	4°23	26°56	0°15	28°29	20°34	15°30	22° 4	22°32	6°44	6°23	S 29
M30	4 58 54	14♐18'48	17♒38	27♏20	29♑33	4♎56	26♊48	0♓18	28♎32	20♈33	15♒31	22♊ 5	22♊29	6♐51	6♉20	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s22	23s51	2s53	14s11	0n56	25s44	2s14	6n 5	1n33	23n19	0s15	13s37	1s59	9s58	0n30	6n32	1s53	26s52	11s 3	23n21	23n26	19s13	13n42	0s27
M 2	16 40	21 51	3 45	13 30	1 15	25 47	2 16	5 52	1 33	23 19	0 14	13 37	1 59	9 59	0 30	6 32	1 53	26 52	11 3	23 21	23 25	19 15	13 41	0 28
T 3	16 58	18 44	4 27	12 53	1 31	25 50	2 17	5 38	1 33	23 19	0 14	13 36	1 59	10 1	0 30	6 31	1 53	26 52	11 3	23 21	23 25	19 17	13 40	0 28
W 4	17 15	14 38	4 57	12 21	1 46	25 52	2 18	5 24	1 34	23 19	0 14	13 36	1 59	10 2	0 30	6 31	1 53	26 52	11 2	23 21	23 25	19 20	13 39	0 28
T 5	17 32	9 40	5 12	11 54	1 59	25 53	2 19	5 11	1 34	23 20	0 14	13 36	1 58	10 3	0 30	6 30	1 53	26 51	11 2	23 21	23 25	19 22	13 38	0 28
F 6	17 48	4 3	5 9	11 33	2 10	25 54	2 21	4 57	1 34	23 20	0 14	13 35	1 58	10 4	0 30	6 30	1 53	26 51	11 2	23 21	23 25	19 24	13 37	0 28
S 7	18 5	1n58	4 47	11 17	2 19	25 54	2 22	4 44	1 34	23 20	0 14	13 35	1 58	10 6	0 30	6 29	1 53	26 51	11 2	23 21	23 25	19 26	13 36	0 28
S 8	18 21	8 3	4 5	11 7	2 25	25 53	2 22	4 30	1 35	23 20	0 14	13 34	1 58	10 7	0 30	6 29	1 53	26 50	11 1	23 20	23 25	19 28	13 35	0 28
M 9	18 36	13 47	3 5	11 2	2 30	25 51	2 23	4 16	1 35	23 20	0 14	13 33	1 58	10 8	0 30	6 28	1 53	26 50	11 1	23 20	23 24	19 30	13 34	0 28
T 10	18 52	18 43	1 52	11 3	2 33	25 48	2 24	4 3	1 35	23 20	0 14	13 33	1 58	10 9	0 30	6 28	1 53	26 50	11 1	23 20	23 24	19 32	13 33	0 28
W11	19 7	22 22	0 31	11 8	2 35	25 45	2 24	3 49	1 36	23 20	0 13	13 32	1 57	10 11	0 30	6 27	1 53	26 49	11 1	23 20	23 24	19 34	13 32	0 28
T 12	19 21	24 24	0n51	11 17	2 35	25 41	2 25	3 35	1 36	23 20	0 13	13 31	1 57	10 12	0 30	6 27	1 53	26 49	11 1	23 20	23 24	19 36	13 31	0 28
F 13	19 35	24 42	2 8	11 30	2 34	25 37	2 25	3 22	1 36	23 20	0 13	13 31	1 57	10 13	0 30	6 26	1 53	26 48	11 0	23 20	23 24	19 38	13 30	0 28
S 14	19 49	23 20	3 15	11 46	2 32	25 31	2 26	3 8	1 37	23 20	0 13	13 30	1 57	10 14	0 30	6 26	1 53	26 48	11 0	23 20	23 24	19 40	13 29	0 28
S 15	20 3	20 36	4 9	12 4	2 29	25 25	2 26	2 55	1 37	23 20	0 13	13 29	1 57	10 16	0 30	6 25	1 53	26 48	11 0	23 20	23 23	19 42	13 28	0 29
M16	20 16	16 49	4 47	12 25	2 25	25 18	2 26	2 41	1 37	23 20	0 13	13 28	1 57	10 17	0 30	6 25	1 53	26 47	11 0	23 20	23 23	19 44	13 27	0 29
T 17	20 29	12 21	5 9	12 48	2 21	25 11	2 26	2 28	1 37	23 20	0 13	13 27	1 57	10 18	0 30	6 25	1 53	26 47	10 59	23 20	23 23	19 46	13 26	0 29
W18	20 41	7 27	5 16	13 13	2 16	25 3	2 26	2 14	1 38	23 20	0 13	13 26	1 56	10 19	0 30	6 24	1 53	26 46	10 59	23 20	23 23	19 48	13 25	0 29
T 19	20 53	2 22	5 7	13 39	2 10	24 54	2 25	2 1	1 38	23 20	0 13	13 25	1 56	10 20	0 30	6 24	1 53	26 46	10 59	23 20	23 23	19 50	13 24	0 29
F 20	21 5	2s44	4 44	14 6	2 4	24 44	2 25	1 47	1 38	23 20	0 12	13 24	1 56	10 21	0 30	6 23	1 53	26 46	10 59	23 20	23 23	19 52	13 23	0 29
S 21	21 16	7 40	4 9	14 33	1 58	24 34	2 25	1 34	1 39	23 20	0 12	13 23	1 56	10 23	0 30	6 23	1 53	26 45	10 59	23 20	23 22	19 54	13 22	0 29
S 22	21 27	12 16	3 24	15 2	1 51	24 23	2 24	1 20	1 39	23 20	0 12	13 22	1 56	10 24	0 30	6 23	1 53	26 45	10 58	23 19	23 22	19 56	13 21	0 29
M23	21 37	16 24	2 30	15 30	1 45	24 11	2 23	1 7	1 39	23 20	0 12	13 21	1 56	10 25	0 30	6 22	1 53	26 44	10 58	23 19	23 22	19 58	13 20	0 29
T 24	21 47	19 53	1 30	15 59	1 38	23 59	2 22	0 54	1 39	23 20	0 12	13 20	1 56	10 26	0 30	6 22	1 53	26 44	10 58	23 19	23 22	20 0	13 19	0 29
W25	21 57	22 32	0 26	16 28	1 30	23 46	2 21	0 40	1 40	23 20	0 12	13 19	1 55	10 27	0 30	6 22	1 52	26 43	10 58	23 19	23 22	20 2	13 18	0 29
T 26	22 6	24 14	0s40	16 56	1 23	23 33	2 20	0 27	1 40	23 20	0 12	13 18	1 55	10 28	0 30	6 21	1 52	26 43	10 57	23 19	23 22	20 4	13 18	0 29
F 27	22 15	24 49	1 44	17 25	1 16	23 19	2 19	0 14	1 40	23 20	0 12	13 17	1 55	10 29	0 30	6 21	1 52	26 42	10 57	23 19	23 21	20 6	13 17	0 29
S 28	22 23	24 16	2 44	17 53	1 8	23 4	2 18	0 1	1 41	23 20	0 11	13 15	1 55	10 30	0 30	6 21	1 52	26 42	10 57	23 19	23 21	20 8	13 16	0 29
S 29	22 31	22 34	3 38	18 21	1 0	22 48	2 16	0s12	1 41	23 20	0 11	13 14	1 55	10 31	0 30	6 20	1 52	26 41	10 57	23 19	23 21	20 10	13 15	0 30
M30	22s38	19s47	4s22	18s48	0n53	22s33	2s15	0s26	1n41	23n20	0s11	13s13	1s55	10s32	0n30	6n20	1s52	26s41	10s57	23n19	23n21	20s12	13n14	0s30

Julian Day Number = 2105605.5, Delta T = 20m30s
Ecliptic obliquity = 23°33'44, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°32'15, Lahiri = 10°39'15 Julian Calendar 1 Nov. 1052 == Greg. Calendar 7 Nov. 1052

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1052
geocentric

DECEMBER 1052 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 2 51	15♐19'58	0♓16	28♏47	0♒41	5♎30	26°R40	0♓22	28♎35	20°R33	15♒32	22♊ 5	22♊26	6♐58	6°R18	T 1
W 2	5 6 47	16°21'09	13°14	0♐15	1°50	6° 3	26♊32	0°25	28°38	20♈32	15°33	22°R 6	22°23	7° 4	6♉16	W 2
T 3	5 10 44	17°22'19	26°34	1°43	2°58	6°37	26°24	0°29	28°41	20°31	15°34	22° 6	22°20	7°11	6°14	T 3
F 4	5 14 41	18°23'29	10♈21	3°12	4° 5	7°10	26°16	0°33	28°43	20°30	15°35	22° 5	22°16	7°17	6°12	F 4
S 5	5 18 37	19°24'40	24°32	4°41	5°13	7°43	26° 8	0°36	28°46	20°30	15°36	22° 5	22°13	7°24	6°10	S 5
S 6	5 22 34	20°25'50	9♉ 9	6°11	6°21	8°16	26° 0	0°40	28°49	20°29	15°37	22° 5	22°10	7°31	6° 8	S 6
M 7	5 26 30	21°27'01	24° 4	7°41	7°28	8°49	25°52	0°44	28°51	20°28	15°38	22° 5	22° 7	7°37	6° 6	M 7
T 8	5 30 27	22°28'11	9♊13	9°11	8°35	9°22	25°44	0°48	28°54	20°28	15°39	22°D 5	22° 4	7°44	6° 4	T 8
W 9	5 34 23	23°29'22	24°25	10°42	9°42	9°55	25°36	0°53	28°57	20°27	15°40	22°R 5	22° 1	7°51	6° 2	W 9
T 10	5 38 20	24°30'33	9♋32	12°13	10°48	10°27	25°28	0°57	28°59	20°27	15°42	22° 5	21°57	7°57	6° 0	T 10
F 11	5 42 17	25°31'44	24°23	13°44	11°54	11° 0	25°20	1° 1	29° 2	20°26	15°43	22° 4	21°54	8° 4	5°59	F 11
S 12	5 46 13	26°32'56	8♌53	15°16	13° 0	11°32	25°12	1° 6	29° 4	20°26	15°44	22° 4	21°51	8°11	5°57	S 12
S 13	5 50 10	27°34'07	22°57	16°48	14° 6	12° 5	25° 3	1°10	29° 6	20°25	15°45	22° 3	21°48	8°17	5°55	S 13
M14	5 54 6	28°35'19	6♍32	18°21	15°12	12°37	24°55	1°15	29° 9	20°25	15°46	22° 3	21°45	8°24	5°54	M14
T 15	5 58 3	29°36'30	19°41	19°54	16°17	13° 9	24°47	1°20	29°11	20°24	15°48	22° 2	21°42	8°31	5°52	T 15
W16	6 1 59	0♎37'42	2♎26	21°27	17°22	13°42	24°39	1°24	29°13	20°24	15°49	22°D 2	21°38	8°37	5°51	W16
T 17	6 5 56	1°38'54	14°50	23° 1	18°27	14°14	24°31	1°29	29°16	20°24	15°50	22° 2	21°35	8°44	5°49	T 17
F 18	6 9 52	2°40'06	26°58	24°35	19°31	14°45	24°23	1°34	29°18	20°23	15°51	22° 3	21°32	8°51	5°48	F 18
S 19	6 13 49	3°41'18	8♏55	26° 9	20°36	15°17	24°15	1°39	29°20	20°23	15°53	22° 4	21°29	8°57	5°47	S 19
S 20	6 17 46	4°42'31	20°45	27°44	21°40	15°49	24° 7	1°44	29°22	20°23	15°54	22° 6	21°26	9° 4	5°45	S 20
M21	6 21 42	5°43'43	2♐32	29°19	22°43	16°20	23°59	1°49	29°24	20°23	15°56	22° 7	21°22	9°11	5°44	M21
T 22	6 25 39	6°44'54	14°19	0♑55	23°46	16°52	23°52	1°55	29°26	20°23	15°57	22° 8	21°19	9°17	5°43	T 22
W23	6 29 35	7°46'06	26° 9	2°31	24°49	17°23	23°44	2° 0	29°28	20°23	15°58	22°R 8	21°16	9°24	5°42	W23
T 24	6 33 32	8°47'17	8♑ 5	4° 8	25°52	17°54	23°36	2° 5	29°30	20°22	16° 0	22° 7	21°13	9°30	5°41	T 24
F 25	6 37 28	9°48'28	20° 8	5°45	26°54	18°25	23°29	2°11	29°32	20°D22	16° 1	22° 5	21°10	9°37	5°40	F 25
S 26	6 41 25	10°49'38	2♒20	7°22	27°56	18°56	23°21	2°16	29°34	20°22	16° 3	22° 3	21° 7	9°44	5°39	S 26
S 27	6 45 21	11°50'48	14°42	9° 0	28°57	19°27	23°14	2°22	29°35	20°22	16° 4	21°59	21° 3	9°50	5°39	S 27
M28	6 49 18	12°51'57	27°17	10°39	29°58	19°58	23° 7	2°27	29°37	20°23	16° 5	21°56	21° 0	9°57	5°38	M28
T 29	6 53 15	13°53'05	10♓ 4	12°18	0♓59	20°28	23° 0	2°33	29°39	20°23	16° 7	21°53	20°57	10° 4	5°37	T 29
W30	6 57 11	14°54'12	23° 7	13°58	1°59	20°59	22°52	2°39	29°40	20°23	16° 8	21°50	20°54	10°10	5°36	W30
T 31	7 1 8	15♑55'18	6♈27	15♑38	2♓58	21♎29	22♊46	2♓45	29♎42	20♈23	16♒10	21♊49	20♊51	10♐17	5♉36	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s45	16s 2	4s55	19s15	0n45	22s16	2s13	0s39	1n41	23n20	0s11	13s11	1s55	10s33	0n30	6n20	1s52	26s40	10s56	23n19	23n21	20s14	13n13	0s30
W 2	22 52	11 27	5 14	19 41	0 38	21 59	2 11	0 52	1 42	23 20	0 11	13 10	1 54	10 34	0 30	6 20	1 52	26 40	10 56	23 19	23 21	20 16	13 13	0 30
T 3	22 58	6 13	5 17	20 7	0 30	21 41	2 9	1 5	1 42	23 20	0 11	13 8	1 54	10 35	0 30	6 19	1 52	26 39	10 56	23 19	23 20	20 17	13 12	0 30
F 4	23 3	0 31	5 2	20 32	0 23	21 23	2 7	1 18	1 42	23 20	0 11	13 7	1 54	10 36	0 30	6 19	1 52	26 39	10 56	23 19	23 20	20 19	13 11	0 30
S 5	23 8	5n24	4 29	20 56	0 16	21 4	2 5	1 30	1 43	23 20	0 10	13 5	1 54	10 37	0 30	6 19	1 52	26 38	10 56	23 19	23 20	20 21	13 10	0 30
S 6	23 13	11 11	3 37	21 19	0 8	20 45	2 2	1 43	1 43	23 20	0 10	13 4	1 54	10 38	0 30	6 19	1 52	26 38	10 56	23 19	23 20	20 23	13 10	0 30
M 7	23 17	16 28	2 30	21 41	0 1	20 26	2 0	1 56	1 43	23 20	0 10	13 2	1 54	10 39	0 30	6 19	1 52	26 37	10 55	23 19	23 20	20 25	13 9	0 30
T 8	23 21	20 47	1 11	22 3	0s 6	20 5	1 57	2 9	1 43	23 20	0 10	13 1	1 54	10 40	0 30	6 18	1 52	26 37	10 55	23 19	23 19	20 27	13 8	0 30
W 9	23 24	23 40	0n13	22 23	0 13	19 45	1 54	2 22	1 44	23 19	0 10	12 59	1 54	10 41	0 30	6 18	1 52	26 36	10 55	23 19	23 19	20 29	13 8	0 30
T 10	23 27	24 48	1 36	22 42	0 20	19 24	1 51	2 34	1 44	23 19	0 10	12 57	1 53	10 42	0 30	6 18	1 52	26 36	10 55	23 19	23 19	20 31	13 7	0 30
F 11	23 29	24 9	2 50	23 1	0 27	19 2	1 48	2 47	1 44	23 19	0 10	12 56	1 53	10 43	0 30	6 18	1 52	26 35	10 55	23 19	23 19	20 33	13 6	0 30
S 12	23 31	21 51	3 52	23 18	0 33	18 40	1 45	2 59	1 44	23 19	0 9	12 54	1 53	10 43	0 30	6 18	1 52	26 35	10 55	23 19	23 19	20 35	13 6	0 30
S 13	23 32	18 18	4 38	23 34	0 40	18 18	1 42	3 12	1 45	23 19	0 9	12 52	1 53	10 44	0 30	6 18	1 51	26 34	10 54	23 19	23 18	20 37	13 5	0 30
M14	23 33	13 54	5 6	23 49	0 46	17 55	1 38	3 24	1 45	23 19	0 9	12 51	1 53	10 45	0 30	6 18	1 51	26 34	10 54	23 19	23 18	20 39	13 5	0 30
T 15	23 34	8 58	5 18	24 3	0 52	17 32	1 34	3 36	1 45	23 19	0 9	12 49	1 53	10 46	0 30	6 18	1 51	26 33	10 54	23 19	23 18	20 40	13 4	0 31
W16	23 34	3 48	5 13	24 15	0 58	17 9	1 31	3 49	1 45	23 18	0 9	12 47	1 53	10 47	0 30	6 18	1 51	26 33	10 54	23 19	23 18	20 42	13 3	0 31
T 17	23 33	1s22	4 53	24 26	1 4	16 45	1 27	4 1	1 46	23 18	0 9	12 45	1 53	10 48	0 31	6 17	1 51	26 32	10 54	23 19	23 18	20 44	13 3	0 31
F 18	23 32	6 23	4 21	24 36	1 10	16 21	1 23	4 13	1 46	23 18	0 8	12 43	1 52	10 48	0 31	6 17	1 51	26 32	10 54	23 19	23 17	20 46	13 2	0 31
S 19	23 31	11 6	3 38	24 45	1 15	15 56	1 18	4 25	1 46	23 18	0 8	12 41	1 52	10 49	0 31	6 17	1 51	26 31	10 53	23 19	23 17	20 48	13 2	0 31
S 20	23 29	15 22	2 45	24 53	1 20	15 31	1 14	4 37	1 46	23 18	0 8	12 39	1 52	10 50	0 31	6 17	1 51	26 30	10 53	23 19	23 17	20 50	13 1	0 31
M21	23 26	19 2	1 47	24 59	1 25	15 6	1 9	4 49	1 47	23 17	0 8	12 37	1 52	10 50	0 31	6 17	1 51	26 30	10 53	23 20	23 17	20 52	13 1	0 31
T 22	23 23	21 55	0 43	25 3	1 30	14 41	1 5	5 1	1 47	23 17	0 8	12 35	1 52	10 51	0 31	6 17	1 51	26 29	10 53	23 20	23 17	20 54	13 1	0 31
W23	23 20	23 53	0s22	25 6	1 34	14 15	1 0	5 13	1 47	23 17	0 8	12 33	1 52	10 52	0 31	6 17	1 51	26 29	10 53	23 20	23 16	20 55	13 0	0 31
T 24	23 16	24 46	1 27	25 8	1 38	13 50	0 55	5 25	1 47	23 17	0 8	12 31	1 52	10 52	0 31	6 17	1 51	26 28	10 53	23 20	23 16	20 57	13 0	0 31
F 25	23 12	24 30	2 29	25 8	1 42	13 23	0 50	5 36	1 47	23 17	0 7	12 29	1 52	10 53	0 31	6 17	1 51	26 28	10 53	23 19	23 16	20 59	12 59	0 31
S 26	23 7	23 3	3 24	25 7	1 46	12 57	0 45	5 48	1 48	23 16	0 7	12 27	1 52	10 54	0 31	6 17	1 51	26 27	10 53	23 19	23 16	21 1	12 59	0 31
S 27	23 2	20 30	4 11	25 4	1 49	12 31	0 39	5 59	1 48	23 16	0 7	12 25	1 52	10 54	0 31	6 18	1 51	26 27	10 53	23 19	23 16	21 3	12 59	0 31
M28	22 56	16 57	4 47	25 0	1 52	12 4	0 34	6 11	1 48	23 16	0 7	12 23	1 51	10 55	0 31	6 18	1 51	26 26	10 52	23 19	23 15	21 5	12 58	0 31
T 29	22 50	12 35	5 8	24 54	1 55	11 37	0 28	6 22	1 48	23 16	0 7	12 21	1 51	10 55	0 31	6 18	1 51	26 25	10 52	23 19	23 15	21 7	12 58	0 31
W30	22 43	7 33	5 15	24 46	1 57	11 10	0 22	6 33	1 48	23 16	0 7	12 19	1 51	10 56	0 31	6 18	1 50	26 25	10 52	23 19	23 15	21 8	12 58	0 31
T 31	22s36	2s 5	5s 5	24s37	1s59	10s43	0s16	6s44	1n49	23n15	0s 7	12s17	1s51	10s57	0n31	6n18	1s50	26s24	10s52	23n18	23n15	21s10	12n58	0s31

Julian Day Number = 2105635.5, Delta T = 20m30s
Ecliptic obliquity = 23°33'44, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°32'19, Lahiri = 10°39'19 Julian Calendar 1 Dec. 1052 == Greg. Calendar 7 Dec. 1052

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1053
geocentric

JANUARY 1053 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 5 4	16♑56'23	20♈ 5	17♑19	3♓58	21♎59	22°R39	2♓50	29♎43	20♈23	16♒11	21°D49	20♊48	10♐24	5°R35	F 1
S 2	7 9 1	17°57'27	4♉ 1	19° 0	4°56	22°29	22♊32	2°56	29°45	20°23	16°13	21♊49	20°44	10°30	5♉35	S 2
S 3	7 12 57	18°58'30	18°17	20°42	5°55	22°59	22°25	3° 2	29°46	20°24	16°15	21°51	20°41	10°37	5°35	S 3
M 4	7 16 54	19°59'31	2♊50	22°25	6°52	23°28	22°19	3° 8	29°47	20°24	16°16	21°52	20°38	10°44	5°34	M 4
T 5	7 20 50	21° 0'32	17°36	24° 8	7°49	23°58	22°13	3°15	29°49	20°24	16°18	21°R53	20°35	10°50	5°34	T 5
W 6	7 24 47	22° 1'32	2♋30	25°51	8°46	24°27	22° 7	3°21	29°50	20°25	16°19	21°53	20°32	10°57	5°34	W 6
T 7	7 28 44	23° 2'31	17°24	27°36	9°42	24°56	22° 1	3°27	29°51	20°25	16°21	21°51	20°28	11° 4	5°34	T 7
F 8	7 32 40	24° 3'28	2♌11	29°20	10°37	25°25	21°55	3°33	29°52	20°26	16°22	21°48	20°25	11°10	5°D34	F 8
S 9	7 36 37	25° 4'25	16°42	1♒ 5	11°32	25°54	21°49	3°40	29°53	20°26	16°24	21°43	20°22	11°17	5°34	S 9
S 10	7 40 33	26° 5'20	0♍51	2°51	12°26	26°22	21°43	3°46	29°54	20°27	16°26	21°37	20°19	11°24	5°34	S 10
M11	7 44 30	27° 6'15	14°34	4°37	13°19	26°51	21°38	3°52	29°55	20°27	16°27	21°32	20°16	11°30	5°34	M11
T 12	7 48 26	28° 7'09	27°51	6°23	14°11	27°19	21°33	3°59	29°56	20°28	16°29	21°27	20°13	11°37	5°34	T 12
W13	7 52 23	29° 8'02	10♎42	8° 9	15° 3	27°47	21°28	4° 5	29°57	20°28	16°31	21°23	20° 9	11°43	5°34	W13
T 14	7 56 19	0♒ 8'54	23°11	9°56	15°54	28°15	21°23	4°12	29°58	20°29	16°32	21°22	20° 6	11°50	5°35	T 14
F 15	8 0 16	1° 9'45	5♏21	11°42	16°45	28°43	21°18	4°19	29°59	20°30	16°34	21°D21	20° 3	11°57	5°35	F 15
S 16	8 4 13	2°10'35	17°18	13°28	17°34	29°10	21°13	4°25	29°59	20°31	16°35	21°22	20° 0	12° 3	5°36	S 16
S 17	8 8 9	3°11'24	29° 7	15°14	18°23	29°38	21° 9	4°32	29°59	20°31	16°37	21°24	19°57	12°10	5°36	S 17
M18	8 12 6	4°12'12	10♐53	16°59	19°11	0♏ 5	21° 5	4°39	0♏ 1	20°32	16°39	21°26	19°54	12°17	5°37	M18
T 19	8 16 2	5°12'59	22°42	18°42	19°57	0°32	21° 1	4°45	0° 1	20°33	16°40	21°R26	19°50	12°23	5°37	T 19
W20	8 19 59	6°13'45	4♑36	20°25	20°43	0°58	20°57	4°52	0° 2	20°34	16°42	21°25	19°47	12°30	5°38	W20
T 21	8 23 55	7°14'30	16°39	22° 5	21°28	1°25	20°53	4°59	0° 2	20°35	16°44	21°22	19°44	12°37	5°39	T 21
F 22	8 27 52	8°15'13	28°54	23°44	22°12	1°51	20°50	5° 6	0° 2	20°36	16°46	21°16	19°41	12°43	5°40	F 22
S 23	8 31 49	9°15'55	11♒22	25°20	22°55	2°17	20°46	5°13	0° 3	20°37	16°47	21° 9	19°38	12°50	5°40	S 23
S 24	8 35 45	10°16'35	24° 3	26°52	23°36	2°42	20°43	5°20	0° 3	20°38	16°49	21° 0	19°34	12°57	5°41	S 24
M25	8 39 42	11°17'14	6♓58	28°21	24°17	3° 8	20°40	5°27	0° 3	20°39	16°51	20°51	19°31	13° 3	5°42	M25
T 26	8 43 38	12°17'51	20° 6	29°45	24°56	3°33	20°38	5°34	0° 3	20°40	16°52	20°41	19°28	13°10	5°44	T 26
W27	8 47 35	13°18'26	3♈26	1♓ 4	25°34	3°58	20°35	5°41	0° 3	20°41	16°54	20°34	19°25	13°16	5°45	W27
T 28	8 51 31	14°19'00	16°57	2°18	26°11	4°23	20°33	5°48	0°R 3	20°42	16°56	20°28	19°22	13°23	5°46	T 28
F 29	8 55 28	15°19'31	0♉38	3°25	26°46	4°47	20°31	5°55	0° 3	20°43	16°57	20°25	19°19	13°30	5°47	F 29
S 30	8 59 24	16°20'01	14°31	4°25	27°20	5°11	20°29	6° 2	0° 3	20°44	16°59	20°D24	19°15	13°36	5°48	S 30
S 31	9 3 21	17♒20'29	28♉34	5♓17	27♓52	5♏35	20♊27	6♓10	0♏ 3	20♈45	17♒ 1	20♊24	19♊12	13♐43	5♉50	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	22s29	3n36	4s38	24s26	2s 1	10s16	0s10	6s55	1n49	23n15	0s 6	12s14	1s51	10s57	0n31	6n18	1s50	26s24	10s52	23n18	23n14	21s12	12n57	0s31	F 1
S 2	22 21	9 16	3 54	24 14	2 3	9 48	0 4	7 6	1 49	23 15	0 6	12 12	1 51	10 58	0 31	6 18	1 50	26 23	10 52	23 19	23 14	21 14	12 57	0 32	S 2
S 3	22 13	14 34	2 54	23 59	2 3	9 21	0n 3	7 17	1 49	23 15	0 6	12 10	1 51	10 58	0 31	6 18	1 50	26 23	10 52	23 19	23 14	21 16	12 57	0 32	S 3
M 4	22 4	19 9	1 43	23 44	2 4	8 53	0 9	7 28	1 49	23 14	0 6	12 8	1 51	10 58	0 31	6 19	1 50	26 22	10 52	23 19	23 14	21 17	12 57	0 32	M 4
T 5	21 55	22 35	0 24	23 26	2 4	8 26	0 16	7 39	1 50	23 14	0 6	12 5	1 51	10 59	0 31	6 19	1 50	26 22	10 52	23 19	23 14	21 19	12 57	0 32	T 5
W 6	21 45	24 30	0n58	23 6	2 4	7 58	0 23	7 49	1 50	23 14	0 6	12 3	1 51	10 59	0 31	6 19	1 50	26 21	10 52	23 19	23 13	21 21	12 57	0 32	W 6
T 7	21 35	24 40	2 15	22 45	2 3	7 31	0 30	8 0	1 50	23 14	0 5	12 1	1 51	11 0	0 31	6 19	1 50	26 20	10 52	23 19	23 13	21 23	12 57	0 32	T 7
F 8	21 25	23 4	3 23	22 22	2 2	7 3	0 37	8 10	1 50	23 14	0 5	11 58	1 51	11 0	0 31	6 19	1 50	26 20	10 52	23 18	23 13	21 25	12 57	0 32	F 8
S 9	21 14	19 58	4 16	21 58	2 0	6 35	0 45	8 21	1 50	23 13	0 5	11 56	1 51	11 0	0 31	6 20	1 50	26 19	10 51	23 18	23 13	21 26	12 57	0 32	S 9
S 10	21 2	15 46	4 52	21 32	1 57	6 8	0 52	8 31	1 50	23 13	0 5	11 53	1 50	11 1	0 31	6 20	1 50	26 19	10 51	23 18	23 12	21 28	12 57	0 32	S 10
M11	20 51	10 51	5 10	21 3	1 54	5 40	1 0	8 41	1 51	23 13	0 5	11 51	1 50	11 1	0 31	6 20	1 50	26 18	10 51	23 17	23 12	21 30	12 57	0 32	M11
T 12	20 39	5 36	5 10	20 34	1 51	5 13	1 8	8 51	1 51	23 13	0 5	11 49	1 50	11 1	0 31	6 20	1 50	26 18	10 51	23 17	23 12	21 32	12 57	0 32	T 12
W13	20 26	0 15	4 54	20 2	1 47	4 45	1 16	9 1	1 51	23 13	0 5	11 46	1 50	11 2	0 31	6 21	1 50	26 17	10 51	23 17	23 12	21 33	12 57	0 32	W13
T 14	20 13	4s57	4 25	19 29	1 42	4 18	1 24	9 11	1 51	23 12	0 4	11 44	1 50	11 2	0 31	6 21	1 50	26 16	10 51	23 17	23 11	21 35	12 57	0 32	T 14
F 15	20 0	9 50	3 45	18 55	1 37	3 51	1 32	9 20	1 51	23 12	0 4	11 41	1 50	11 2	0 31	6 21	1 49	26 16	10 51	23 17	23 11	21 37	12 57	0 32	F 15
S 16	19 47	14 17	2 55	18 19	1 30	3 24	1 40	9 30	1 51	23 12	0 4	11 39	1 50	11 2	0 31	6 22	1 49	26 15	10 51	23 17	23 11	21 39	12 57	0 32	S 16
S 17	19 33	18 8	1 58	17 41	1 24	2 57	1 49	9 40	1 51	23 12	0 4	11 36	1 50	11 3	0 31	6 22	1 49	26 15	10 51	23 17	23 11	21 41	12 57	0 32	S 17
M18	19 18	21 15	0 57	17 2	1 16	2 30	1 58	9 49	1 52	23 12	0 4	11 34	1 50	11 3	0 31	6 22	1 49	26 14	10 51	23 17	23 11	21 42	12 57	0 32	M18
T 19	19 4	23 28	0s 7	16 22	1 8	2 4	2 6	9 58	1 52	23 12	0 4	11 31	1 50	11 3	0 31	6 23	1 49	26 14	10 51	23 17	23 10	21 44	12 57	0 32	T 19
W20	18 49	24 40	1 11	15 41	0 59	1 37	2 15	10 8	1 52	23 12	0 3	11 29	1 50	11 3	0 31	6 23	1 49	26 13	10 51	23 17	23 10	21 46	12 57	0 32	W20
T 21	18 33	24 42	2 12	14 59	0 49	1 11	2 24	10 17	1 52	23 12	0 3	11 26	1 50	11 3	0 31	6 24	1 49	26 13	10 51	23 17	23 10	21 47	12 58	0 32	T 21
F 22	18 18	23 33	3 8	14 17	0 39	0 46	2 34	10 26	1 52	23 11	0 3	11 23	1 50	11 3	0 31	6 24	1 49	26 12	10 51	23 16	23 10	21 49	12 58	0 33	F 22
S 23	18 2	21 15	3 56	13 34	0 27	0 20	2 43	10 34	1 52	23 11	0 3	11 21	1 50	11 3	0 31	6 24	1 49	26 12	10 51	23 16	23 9	21 51	12 58	0 33	S 23
S 24	17 45	17 52	4 34	12 51	0 15	0n 5	2 53	10 43	1 52	23 11	0 3	11 18	1 50	11 4	0 31	6 25	1 49	26 11	10 51	23 15	23 9	21 53	12 58	0 33	S 24
M25	17 29	13 36	4 58	12 9	0 2	0 30	3 2	10 52	1 52	23 11	0 3	11 16	1 50	11 4	0 31	6 25	1 49	26 11	10 51	23 15	23 9	21 54	12 59	0 33	M25
T 26	17 12	8 38	5 6	11 27	0n11	0 55	3 12	11 0	1 52	23 11	0 3	11 13	1 50	11 4	0 31	6 26	1 49	26 10	10 51	23 14	23 9	21 56	12 59	0 33	T 26
W27	16 55	3 12	4 59	10 45	0 25	1 19	3 22	11 9	1 52	23 11	0 2	11 10	1 50	11 4	0 31	6 26	1 49	26 10	10 51	23 13	23 8	21 58	12 59	0 33	W27
T 28	16 37	2n28	4 35	10 6	0 40	1 43	3 32	11 17	1 52	23 11	0 2	11 8	1 50	11 4	0 31	6 27	1 49	26 9	10 51	23 13	23 8	21 59	13 0	0 33	T 28
F 29	16 19	8 6	3 55	9 27	0 55	2 6	3 42	11 25	1 52	23 11	0 2	11 5	1 50	11 4	0 31	6 27	1 49	26 8	10 51	23 13	23 8	22 1	13 0	0 33	F 29
S 30	16 1	13 24	3 0	8 51	1 10	2 29	3 52	11 33	1 52	23 11	0 2	11 2	1 50	11 4	0 31	6 28	1 49	26 8	10 51	23 13	23 8	22 3	13 0	0 33	S 30
S 31	15s43	18n 5	1s54	8s18	1n26	2n51	4n 2	11s41	1n52	23n11	0s 2	11s 0	1s50	11s 3	0n31	6n28	1s49	26s 7	10s51	23n13	23n 7	22s 4	13n 1	0s33	S 31

Julian Day Number = 2105666.5, Delta T = 20m30s
Ecliptic obliquity = 23°33'44, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°32'23, Lahiri = 10°39'24 Julian Calendar 1 Jan. 1053 == Greg. Calendar 7 Jan. 1053

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1053
geocentric

FEBRUARY 1053 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 7 17	18♒20'55	12♊47	6♓ 0	28♓23	5♏59	20°R25	6♓17	0°R 3	20♈47	17♒ 3	20♊25	19♊ 9	13♐50	5♉51	M 1
T 2	9 11 14	19°21'19	27° 9	6°35	28°53	6°22	20♊24	6°24	0♏ 3	20°48	17° 4	20°R25	19° 6	13°56	5°53	T 2
W 3	9 15 11	20°21'41	11♋36	7° 0	29°20	6°45	20°23	6°31	0° 2	20°49	17° 6	20°23	19° 3	14° 3	5°54	W 3
T 4	9 19 7	21°22'01	26° 5	7°16	29°46	7° 8	20°22	6°39	0° 2	20°50	17° 8	20°19	19° 0	14°10	5°56	T 4
F 5	9 23 4	22°22'19	10♌30	7°R21	0♈10	7°30	20°21	6°46	0° 2	20°52	17° 9	20°12	18°56	14°16	5°58	F 5
S 6	9 27 0	23°22'35	24°45	7°17	0°32	7°52	20°21	6°53	0° 1	20°53	17°11	20° 2	18°53	14°23	5°59	S 6
S 7	9 30 57	24°22'49	8♍44	7° 3	0°53	8°14	20°20	7° 0	0° 1	20°55	17°13	19°52	18°50	14°30	6° 1	S 7
M 8	9 34 53	25°23'02	22°23	6°40	1°11	8°35	20°D20	7° 8	0° 0	20°56	17°14	19°41	18°47	14°36	6° 3	M 8
T 9	9 38 50	26°23'13	5♎39	6° 8	1°27	8°57	20°20	7°15	29♎59	20°57	17°16	19°30	18°44	14°43	6° 5	T 9
W10	9 42 46	27°23'22	18°32	5°29	1°42	9°17	20°21	7°22	29°59	20°59	17°18	19°22	18°40	14°50	6° 7	W10
T 11	9 46 43	28°23'29	1♏ 3	4°43	1°54	9°38	20°21	7°30	29°58	21° 0	17°20	19°16	18°37	14°56	6° 9	T 11
F 12	9 50 40	29°23'35	13°15	3°51	2° 4	9°58	20°22	7°37	29°57	21° 2	17°21	19°13	18°34	15° 3	6°11	F 12
S 13	9 54 36	0♓23'40	25°14	2°54	2°11	10°17	20°22	7°45	29°56	21° 4	17°23	19°11	18°31	15° 9	6°13	S 13
S 14	9 58 33	1°23'42	7♐ 5	1°55	2°16	10°37	20°24	7°52	29°56	21° 5	17°25	19°D11	18°28	15°16	6°15	S 14
M15	10 2 29	2°23'43	18°52	0°54	2°19	10°56	20°25	7°59	29°55	21° 7	17°26	19°R12	18°25	15°23	6°17	M15
T 16	10 6 26	3°23'43	0♑42	29♒54	2°R20	11°14	20°26	8° 7	29°54	21° 8	17°28	19°11	18°21	15°29	6°20	T 16
W17	10 10 22	4°23'40	12°39	28°54	2°18	11°32	20°28	8°14	29°53	21°10	17°30	19° 9	18°18	15°36	6°22	W17
T 18	10 14 19	5°23'36	24°49	27°57	2°14	11°50	20°30	8°22	29°52	21°12	17°31	19° 4	18°15	15°43	6°24	T 18
F 19	10 18 15	6°23'30	7♒13	27° 4	2° 7	12° 7	20°32	8°29	29°50	21°13	17°33	18°56	18°12	15°49	6°27	F 19
S 20	10 22 12	7°23'22	19°55	26°15	1°57	12°24	20°34	8°37	29°49	21°15	17°34	18°46	18° 9	15°56	6°29	S 20
S 21	10 26 9	8°23'13	2♓56	25°32	1°46	12°40	20°36	8°44	29°48	21°17	17°36	18°34	18° 6	16° 3	6°32	S 21
M22	10 30 5	9°23'01	16°13	24°54	1°31	12°56	20°39	8°52	29°47	21°19	17°38	18°21	18° 2	16° 9	6°34	M22
T 23	10 34 2	10°22'47	29°46	24°22	1°14	13°11	20°42	8°59	29°45	21°20	17°39	18° 8	17°59	16°16	6°37	T 23
W24	10 37 58	11°22'31	13♈30	23°56	0°55	13°26	20°44	9° 6	29°44	21°22	17°41	17°57	17°56	16°23	6°40	W24
T 25	10 41 55	12°22'13	27°24	23°37	0°34	13°41	20°48	9°14	29°43	21°24	17°42	17°49	17°53	16°29	6°42	T 25
F 26	10 45 51	13°21'52	11♉23	23°24	0°10	13°55	20°51	9°21	29°41	21°26	17°44	17°43	17°50	16°36	6°45	F 26
S 27	10 49 48	14°21'29	25°25	23°17	29♓44	14° 8	20°54	9°29	29°40	21°28	17°46	17°41	17°46	16°42	6°48	S 27
S 28	10 53 44	15♓21'04	9♊30	23°D16	29♓16	14♏21	20♊58	9♓36	29♎38	21♈30	17♒47	17♊40	17♊43	16♐49	6♉51	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	15s24	21n46	0s41	7s47	1n41	3n13	4n13	11s49	1n52	23n11	0s 2	10s57	1s50	11s 3	0n31	6n29	1s48	26s 7	10s51	23n13	23n 7	22s 6	13n 1	0s33	M 1
T 2	15 6	24 8	0n36	7 20	1 57	3 34	4 23	11 57	1 52	23 11	0 2	10 54	1 50	11 3	0 31	6 29	1 48	26 6	10 51	23 13	23 7	22 8	13 2	0 33	T 2
W 3	14 46	24 54	1 51	6 56	2 12	3 55	4 34	12 4	1 52	23 11	0 1	10 52	1 50	11 3	0 31	6 30	1 48	26 6	10 52	23 13	23 6	22 9	13 2	0 33	W 3
T 4	14 27	23 58	2 58	6 37	2 27	4 15	4 44	12 12	1 52	23 11	0 1	10 49	1 50	11 3	0 32	6 30	1 48	26 6	10 52	23 12	23 6	22 11	13 3	0 33	T 4
F 5	14 8	21 27	3 54	6 21	2 42	4 35	4 55	12 19	1 52	23 11	0 1	10 46	1 50	11 3	0 32	6 31	1 48	26 5	10 52	23 12	23 6	22 13	13 3	0 33	F 5
S 6	13 48	17 39	4 35	6 10	2 55	4 53	5 6	12 26	1 52	23 11	0 1	10 43	1 50	11 3	0 32	6 31	1 48	26 5	10 52	23 11	23 6	22 14	13 4	0 33	S 6
S 7	13 28	12 56	4 58	6 4	3 7	5 11	5 17	12 33	1 52	23 12	0 1	10 41	1 50	11 2	0 32	6 32	1 48	26 4	10 52	23 10	23 5	22 16	13 4	0 33	S 7
M 8	13 8	7 40	5 3	6 3	3 18	5 28	5 27	12 40	1 52	23 12	0 1	10 38	1 50	11 2	0 32	6 33	1 48	26 4	10 52	23 10	23 5	22 18	13 5	0 33	M 8
T 9	12 47	2 12	4 51	6 6	3 27	5 45	5 38	12 47	1 52	23 12	0 1	10 35	1 50	11 2	0 32	6 33	1 48	26 3	10 52	23 9	23 5	22 19	13 5	0 33	T 9
W10	12 26	3s12	4 25	6 13	3 35	6 0	5 49	12 54	1 52	23 12	0 1	10 32	1 50	11 2	0 32	6 34	1 48	26 3	10 52	23 8	23 5	22 21	13 6	0 33	W10
T 11	12 6	8 21	3 47	6 25	3 40	6 15	5 59	13 0	1 52	23 12	0 0	10 30	1 50	11 1	0 32	6 34	1 48	26 2	10 52	23 8	23 4	22 23	13 7	0 34	T 11
F 12	11 45	13 3	2 59	6 40	3 44	6 28	6 10	13 7	1 52	23 12	0 0	10 27	1 50	11 1	0 32	6 35	1 48	26 2	10 52	23 7	23 4	22 24	13 7	0 34	F 12
S 13	11 23	17 10	2 4	6 59	3 45	6 41	6 20	13 13	1 51	23 13	0 0	10 24	1 50	11 1	0 32	6 36	1 48	26 1	10 52	23 7	23 4	22 26	13 8	0 34	S 13
S 14	11 2	20 33	1 4	7 21	3 45	6 52	6 31	13 19	1 51	23 13	0 0	10 21	1 50	11 1	0 32	6 36	1 48	26 1	10 53	23 7	23 4	22 27	13 9	0 34	S 14
M15	10 40	23 4	0 2	7 45	3 42	7 3	6 41	13 25	1 51	23 13	0n 0	10 19	1 50	11 0	0 32	6 37	1 48	26 1	10 53	23 7	23 3	22 29	13 9	0 34	M15
T 16	10 19	24 34	1s 1	8 11	3 37	7 12	6 51	13 31	1 51	23 13	0 0	10 16	1 50	11 0	0 32	6 38	1 48	26 0	10 53	23 7	23 3	22 31	13 10	0 34	T 16
W17	9 57	24 58	2 1	8 37	3 31	7 20	7 0	13 37	1 51	23 13	0 0	10 13	1 50	10 59	0 32	6 38	1 48	26 0	10 53	23 7	23 3	22 32	13 11	0 34	W17
T 18	9 35	24 11	2 57	9 5	3 22	7 27	7 10	13 43	1 50	23 14	0 0	10 10	1 50	10 59	0 32	6 39	1 48	25 59	10 53	23 7	23 2	22 34	13 11	0 34	T 18
F 19	9 13	22 12	3 45	9 32	3 12	7 33	7 19	13 48	1 50	23 14	0 1	10 8	1 50	10 59	0 32	6 40	1 48	25 59	10 53	23 6	23 2	22 35	13 12	0 34	F 19
S 20	8 50	19 5	4 24	9 59	3 1	7 37	7 28	13 54	1 50	23 14	0 1	10 5	1 50	10 58	0 32	6 40	1 48	25 58	10 53	23 5	23 2	22 37	13 13	0 34	S 20
S 21	8 28	14 59	4 50	10 26	2 49	7 40	7 36	13 59	1 50	23 15	0 1	10 2	1 50	10 58	0 32	6 41	1 48	25 58	10 53	23 4	23 2	22 39	13 14	0 34	S 21
M22	8 6	10 4	5 0	10 51	2 36	7 42	7 44	14 4	1 49	23 15	0 1	9 59	1 50	10 57	0 32	6 42	1 47	25 58	10 54	23 3	23 1	22 40	13 15	0 34	M22
T 23	7 43	4 36	4 54	11 14	2 22	7 42	7 51	14 9	1 49	23 15	0 1	9 56	1 50	10 57	0 32	6 42	1 47	25 57	10 54	23 2	23 1	22 42	13 15	0 34	T 23
W24	7 20	1n11	4 32	11 36	2 8	7 40	7 58	14 14	1 49	23 15	0 1	9 54	1 50	10 56	0 32	6 43	1 47	25 57	10 54	23 1	23 1	22 43	13 16	0 34	W24
T 25	6 57	6 59	3 52	11 56	1 53	7 37	8 5	14 18	1 48	23 16	0 1	9 51	1 50	10 56	0 32	6 44	1 47	25 57	10 54	23 0	23 0	22 45	13 17	0 34	T 25
F 26	6 34	12 29	2 59	12 14	1 39	7 33	8 10	14 23	1 48	23 16	0 1	9 48	1 50	10 55	0 32	6 44	1 47	25 56	10 54	23 0	23 0	22 46	13 18	0 34	F 26
S 27	6 11	17 22	1 55	12 30	1 24	7 27	8 15	14 27	1 47	23 17	0 2	9 45	1 50	10 55	0 32	6 45	1 47	25 56	10 54	22 59	23 0	22 48	13 19	0 34	S 27
S 28	5s48	21n17	0s43	12s44	1n10	7n20	8n20	14s32	1n47	23n17	0n 2	9s43	1s50	10s54	0n32	6n46	1s47	25s56	10s54	22n59	23n 0	22s50	13n20	0s34	S 28

Julian Day Number = 2105697.5, Delta T = 20m29s
Ecliptic obliquity = 23°33'45, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°32'27, Lahiri = 10°39'28 Julian Calendar 1 Feb. 1053 == Greg. Calendar 7 Feb. 1053

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1053
geocentric

MARCH 1053 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 57 41	16♓20'37	23♊36	23♒21	28°R46	14♏33	21♊ 2	9♓44	29°R37	21♈32	17♒49	17°R40	17♊40	16♐56	6♉54	M 1
T 2	11 1 38	17°20'07	7♋42	23°32	28♓14	14°45	21° 6	9°51	29♎35	21°34	17°50	17♊39	17°37	17° 2	6°56	T 2
W 3	11 5 34	18°19'35	21°47	23°48	27°41	14°56	21°10	9°58	29°33	21°36	17°52	17°37	17°34	17° 9	6°59	W 3
T 4	11 9 31	19°19'00	5♌50	24° 9	27° 6	15° 7	21°15	10° 6	29°32	21°37	17°53	17°31	17°31	17°16	7° 2	T 4
F 5	11 13 27	20°18'24	19°47	24°35	26°30	15°17	21°19	10°13	29°30	21°39	17°55	17°23	17°27	17°22	7° 5	F 5
S 6	11 17 24	21°17'44	3♍36	25° 6	25°54	15°27	21°24	10°21	29°28	21°41	17°56	17°12	17°24	17°29	7° 9	S 6
S 7	11 21 20	22°17'03	17°14	25°40	25°16	15°36	21°29	10°28	29°26	21°43	17°58	17° 0	17°21	17°36	7°12	S 7
M 8	11 25 17	23°16'19	0♎35	26°19	24°38	15°44	21°34	10°35	29°24	21°45	17°59	16°47	17°18	17°42	7°15	M 8
T 9	11 29 13	24°15'34	13°39	27° 2	24° 0	15°52	21°39	10°43	29°23	21°48	18° 1	16°35	17°15	17°49	7°18	T 9
W10	11 33 10	25°14'46	26°25	27°48	23°22	15°59	21°44	10°50	29°21	21°50	18° 2	16°25	17°11	17°56	7°21	W10
T 11	11 37 7	26°13'57	8♏52	28°38	22°45	16° 5	21°50	10°57	29°19	21°52	18° 3	16°17	17° 8	18° 2	7°25	T 11
F 12	11 41 3	27°13'05	21° 3	29°31	22° 8	16°11	21°56	11° 4	29°17	21°54	18° 5	16°12	17° 5	18° 9	7°28	F 12
S 13	11 45 0	28°12'12	3♐ 2	0♓27	21°32	16°16	22° 1	11°12	29°15	21°56	18° 6	16°10	17° 2	18°16	7°31	S 13
S 14	11 48 56	29°11'17	14°53	1°26	20°56	16°21	22° 7	11°19	29°13	21°58	18° 7	16°D 9	16°59	18°22	7°35	S 14
M15	11 52 53	0♈10'20	26°41	2°27	20°23	16°25	22°14	11°26	29°11	22° 0	18° 9	16°R 9	16°56	18°29	7°38	M15
T 16	11 56 49	1° 9'22	8♑32	3°32	19°50	16°28	22°20	11°33	29° 8	22° 2	18°10	16° 9	16°52	18°35	7°41	T 16
W17	12 0 46	2° 8'21	20°30	4°38	19°20	16°30	22°26	11°41	29° 6	22° 4	18°11	16° 8	16°49	18°42	7°45	W17
T 18	12 4 42	3° 7'19	2♒42	5°47	18°51	16°32	22°33	11°48	29° 4	22° 6	18°13	16° 4	16°46	18°49	7°48	T 18
F 19	12 8 39	4° 6'15	15°12	6°59	18°24	16°33	22°40	11°55	29° 2	22° 9	18°14	15°58	16°43	18°55	7°52	F 19
S 20	12 12 36	5° 5'09	28° 2	8°12	17°59	16°R33	22°47	12° 2	29° 0	22°11	18°15	15°49	16°40	19° 2	7°56	S 20
S 21	12 16 32	6° 4'01	11♓15	9°28	17°37	16°33	22°54	12° 9	28°57	22°13	18°17	15°39	16°37	19° 9	7°59	S 21
M22	12 20 29	7° 2'51	24°50	10°46	17°17	16°31	23° 1	12°16	28°55	22°15	18°18	15°28	16°33	19°15	8° 3	M22
T 23	12 24 25	8° 1'39	8♈44	12° 6	16°59	16°29	23° 8	12°23	28°53	22°17	18°19	15°17	16°30	19°22	8° 6	T 23
W24	12 28 22	9° 0'25	22°54	13°27	16°43	16°27	23°16	12°30	28°51	22°20	18°20	15° 7	16°27	19°29	8°10	W24
T 25	12 32 18	9°59'09	7♉14	14°51	16°30	16°23	23°23	12°37	28°48	22°22	18°21	15° 0	16°24	19°35	8°14	T 25
F 26	12 36 15	10°57'51	21°38	16°16	16°19	16°19	23°31	12°44	28°46	22°24	18°23	14°55	16°21	19°42	8°18	F 26
S 27	12 40 11	11°56'31	6♊ 2	17°43	16°11	16°14	23°39	12°51	28°43	22°26	18°24	14°53	16°17	19°49	8°21	S 27
S 28	12 44 8	12°55'09	20°21	19°12	16° 5	16° 8	23°47	12°57	28°41	22°29	18°25	14°D53	16°14	19°55	8°25	S 28
M29	12 48 4	13°53'44	4♋33	20°43	16° 2	16° 1	23°55	13° 4	28°39	22°31	18°26	14°53	16°11	20° 2	8°29	M29
T 30	12 52 1	14°52'18	18°37	22°16	16°D 1	15°54	24° 3	13°11	28°36	22°33	18°27	14°R54	16° 8	20° 8	8°33	T 30
W31	12 55 58	15♈50'48	2♌32	23♓50	16♓ 2	15♏46	24♊12	13♓18	28♎34	22♈35	18♒28	14♊52	16♊ 5	20♐15	8♉37	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s25	23n56	0n31	12s56	0n55	7n11	8n23	14s36	1n46	23n17	0n 2	9s40	1s50	10s54	0n32	6n47	1s47	25s55	10s55	22n59	22n59	22s51	13n21	0s34
T 2	5 2	25 4	1 44	13 6	0 41	7 1	8 26	14 40	1 46	23 18	0 2	9 37	1 50	10 53	0 32	6 47	1 47	25 55	10 55	22 59	22 59	22 53	13 22	0 34
W 3	4 38	24 35	2 50	13 13	0 28	6 49	8 27	14 43	1 45	23 18	0 2	9 34	1 51	10 52	0 32	6 48	1 47	25 55	10 55	22 59	22 59	22 54	13 22	0 35
T 4	4 15	22 33	3 45	13 19	0 14	6 36	8 28	14 47	1 45	23 18	0 2	9 32	1 51	10 52	0 32	6 49	1 47	25 54	10 55	22 58	22 58	22 56	13 23	0 35
F 5	3 52	19 10	4 27	13 22	0 1	6 22	8 28	14 51	1 44	23 19	0 2	9 29	1 51	10 51	0 32	6 50	1 47	25 54	10 55	22 58	22 58	22 57	13 24	0 35
S 6	3 28	14 46	4 52	13 24	0s11	6 7	8 27	14 54	1 44	23 19	0 2	9 26	1 51	10 51	0 32	6 51	1 47	25 54	10 56	22 57	22 58	22 59	13 25	0 35
S 7	3 5	9 40	5 0	13 23	0 23	5 50	8 25	14 57	1 43	23 20	0 2	9 23	1 51	10 50	0 32	6 51	1 47	25 53	10 56	22 55	22 57	23 0	13 26	0 35
M 8	2 41	4 13	4 52	13 21	0 35	5 32	8 22	15 0	1 42	23 20	0 3	9 21	1 51	10 49	0 32	6 52	1 47	25 53	10 56	22 54	22 57	23 2	13 27	0 35
T 9	2 17	1s18	4 28	13 17	0 46	5 14	8 19	15 3	1 41	23 21	0 3	9 18	1 51	10 49	0 32	6 53	1 47	25 53	10 56	22 53	22 57	23 3	13 28	0 35
W10	1 54	6 39	3 51	13 10	0 56	4 54	8 14	15 6	1 41	23 21	0 3	9 15	1 51	10 48	0 32	6 54	1 47	25 53	10 56	22 52	22 57	23 5	13 29	0 35
T 11	1 30	11 37	3 4	13 2	1 6	4 34	8 8	15 9	1 40	23 21	0 3	9 13	1 51	10 47	0 32	6 54	1 47	25 52	10 57	22 51	22 56	23 6	13 30	0 35
F 12	1 7	16 2	2 9	12 53	1 15	4 14	8 2	15 11	1 39	23 22	0 3	9 10	1 51	10 46	0 32	6 55	1 47	25 52	10 57	22 51	22 56	23 8	13 31	0 35
S 13	0 43	19 45	1 9	12 41	1 24	3 53	7 54	15 13	1 38	23 22	0 3	9 7	1 51	10 46	0 32	6 56	1 47	25 52	10 57	22 50	22 56	23 9	13 32	0 35
S 14	0 19	22 35	0 7	12 28	1 33	3 32	7 46	15 16	1 37	23 23	0 3	9 4	1 51	10 45	0 32	6 57	1 47	25 52	10 57	22 50	22 55	23 11	13 33	0 35
M15	0n 4	24 27	0s56	12 13	1 40	3 10	7 37	15 18	1 36	23 23	0 3	9 2	1 52	10 44	0 32	6 58	1 47	25 51	10 58	22 50	22 55	23 12	13 34	0 35
T 16	0 28	25 13	1 56	11 56	1 48	2 49	7 28	15 19	1 35	23 24	0 3	8 59	1 52	10 43	0 32	6 59	1 47	25 51	10 58	22 50	22 55	23 13	13 35	0 35
W17	0 51	24 49	2 52	11 38	1 54	2 27	7 17	15 21	1 34	23 24	0 4	8 56	1 52	10 43	0 32	6 59	1 47	25 51	10 58	22 50	22 54	23 15	13 37	0 35
T 18	1 15	23 14	3 41	11 18	2 1	2 6	7 7	15 23	1 33	23 25	0 4	8 54	1 52	10 42	0 32	7 0	1 47	25 51	10 58	22 50	22 54	23 16	13 38	0 35
F 19	1 38	20 30	4 20	10 57	2 6	1 46	6 55	15 24	1 32	23 25	0 4	8 51	1 52	10 41	0 32	7 1	1 47	25 51	10 58	22 49	22 54	23 18	13 39	0 35
S 20	2 2	16 43	4 48	10 34	2 11	1 25	6 44	15 25	1 31	23 26	0 4	8 49	1 52	10 40	0 32	7 2	1 47	25 50	10 59	22 48	22 53	23 19	13 40	0 35
S 21	2 25	12 1	5 2	10 9	2 16	1 5	6 31	15 26	1 30	23 26	0 4	8 46	1 52	10 40	0 32	7 3	1 47	25 50	10 59	22 47	22 53	23 21	13 41	0 36
M22	2 49	6 37	4 58	9 43	2 20	0 46	6 19	15 27	1 28	23 27	0 4	8 43	1 52	10 39	0 32	7 3	1 47	25 50	10 59	22 46	22 53	23 22	13 42	0 36
T 23	3 12	0 46	4 38	9 16	2 24	0 27	6 6	15 28	1 27	23 27	0 4	8 41	1 52	10 38	0 32	7 4	1 47	25 50	10 59	22 45	22 52	23 23	13 43	0 36
W24	3 35	5n14	4 0	8 47	2 27	0 9	5 53	15 28	1 26	23 28	0 4	8 38	1 53	10 37	0 32	7 5	1 47	25 50	11 0	22 44	22 52	23 25	13 44	0 36
T 25	3 58	11 4	3 6	8 17	2 29	0s 8	5 40	15 29	1 24	23 28	0 4	8 36	1 53	10 36	0 32	7 6	1 47	25 50	11 0	22 43	22 52	23 26	13 45	0 36
F 26	4 22	16 19	2 1	7 46	2 31	0 24	5 27	15 29	1 23	23 29	0 4	8 33	1 53	10 35	0 32	7 7	1 47	25 49	11 0	22 42	22 51	23 28	13 47	0 36
S 27	4 45	20 39	0 47	7 13	2 32	0 40	5 14	15 29	1 21	23 29	0 5	8 31	1 53	10 35	0 32	7 8	1 47	25 49	11 1	22 42	22 51	23 29	13 48	0 36
S 28	5 8	23 42	0n29	6 38	2 33	0 54	5 0	15 29	1 20	23 30	0 5	8 28	1 53	10 34	0 32	7 8	1 47	25 49	11 1	22 42	22 51	23 30	13 49	0 36
M29	5 31	25 12	1 43	6 3	2 34	1 8	4 47	15 28	1 18	23 30	0 5	8 26	1 53	10 33	0 32	7 9	1 47	25 49	11 1	22 42	22 51	23 32	13 50	0 36
T 30	5 53	25 4	2 50	5 26	2 33	1 20	4 34	15 28	1 17	23 31	0 5	8 23	1 53	10 32	0 32	7 10	1 47	25 49	11 1	22 42	22 50	23 33	13 51	0 36
W31	6n16	23n22	3n46	4s48	2s33	1s32	4n20	15s27	1n15	23n31	0n 5	8s21	1s54	10s31	0n32	7n11	1s47	25s49	11s 2	22n42	22n50	23s35	13n52	0s36

Julian Day Number = 2105725.5, Delta T = 20m29s
Ecliptic obliquity = 23°33'46, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°32'31, Lahiri = 10°39'32 Julian Calendar 1 March 1053 == Greg. Calendar 7 March 1053

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1053
geocentric

APRIL 1053 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 59 54	16♈49'17	16♌17	25♓26	16♓ 6	15°R37	24♊20	13♓24	28°R31	22♈37	18♒29	14°R49	16♊ 2	20♐22	8♉40	T 1
F 2	13 3 51	17°47'43	29°52	27° 3	16°12	15♏27	24°29	13°31	28♎29	22°40	18°30	14♊43	15°58	20°28	8°44	F 2
S 3	13 7 47	18°46'08	13♍16	28°43	16°20	15°17	24°38	13°37	28°26	22°42	18°31	14°35	15°55	20°35	8°48	S 3
S 4	13 11 44	19°44'30	26°29	0♈24	16°30	15° 6	24°46	13°44	28°24	22°44	18°32	14°26	15°52	20°42	8°52	S 4
M 5	13 15 40	20°42'50	9♎28	2° 6	16°43	14°54	24°55	13°50	28°21	22°47	18°33	14°17	15°49	20°48	8°56	M 5
T 6	13 19 37	21°41'08	22°13	3°51	16°57	14°42	25° 4	13°57	28°19	22°49	18°34	14° 8	15°46	20°55	9° 0	T 6
W 7	13 23 33	22°39'24	4♏44	5°37	17°14	14°28	25°14	14° 3	28°16	22°51	18°35	14° 0	15°43	21° 2	9° 4	W 7
T 8	13 27 30	23°37'39	17° 1	7°25	17°32	14°15	25°23	14°10	28°14	22°53	18°36	13°54	15°39	21° 8	9° 8	T 8
F 9	13 31 27	24°35'52	29° 6	9°15	17°53	14° 0	25°32	14°16	28°11	22°56	18°36	13°51	15°36	21°15	9°12	F 9
S 10	13 35 23	25°34'03	11♐ 2	11° 6	18°15	13°45	25°42	14°22	28° 9	22°58	18°37	13°D50	15°33	21°22	9°16	S 10
S 11	13 39 20	26°32'13	22°52	12°59	18°39	13°29	25°52	14°28	28° 6	23° 0	18°38	13°50	15°30	21°28	9°20	S 11
M12	13 43 16	27°30'21	4♑40	14°54	19° 4	13°12	26° 1	14°34	28° 4	23° 2	18°39	13°51	15°27	21°35	9°24	M12
T 13	13 47 13	28°28'28	16°30	16°51	19°31	12°55	26°11	14°41	28° 1	23° 5	18°40	13°53	15°23	21°41	9°28	T 13
W14	13 51 9	29°26'33	28°29	18°49	20° 0	12°38	26°21	14°47	27°59	23° 7	18°40	13°R53	15°20	21°48	9°32	W14
T 15	13 55 6	0♉24'37	10♒41	20°49	20°30	12°20	26°31	14°53	27°56	23° 9	18°41	13°53	15°17	21°55	9°36	T 15
F 16	13 59 2	1°22'39	23°10	22°51	21° 2	12° 1	26°41	14°59	27°54	23°11	18°42	13°51	15°14	22° 1	9°40	F 16
S 17	14 2 59	2°20'40	6♓ 2	24°54	21°35	11°42	26°51	15° 4	27°51	23°14	18°43	13°47	15°11	22° 8	9°44	S 17
S 18	14 6 56	3°18'40	19°19	26°59	22° 9	11°23	27° 2	15°10	27°49	23°16	18°43	13°41	15° 8	22°15	9°49	S 18
M19	14 10 52	4°16'38	3♈ 1	29° 5	22°45	11° 3	27°12	15°16	27°46	23°18	18°44	13°35	15° 4	22°21	9°53	M19
T 20	14 14 49	5°14'34	17° 7	1♉13	23°22	10°42	27°23	15°22	27°43	23°20	18°44	13°29	15° 1	22°28	9°57	T 20
W21	14 18 45	6°12'30	1♉34	3°21	24° 0	10°22	27°33	15°27	27°41	23°22	18°45	13°24	14°58	22°35	10° 1	W21
T 22	14 22 42	7°10'23	16°15	5°31	24°39	10° 1	27°44	15°33	27°38	23°25	18°46	13°20	14°55	22°41	10° 5	T 22
F 23	14 26 38	8° 8'15	1♊ 3	7°41	25°19	9°40	27°55	15°38	27°36	23°27	18°46	13°18	14°52	22°48	10° 9	F 23
S 24	14 30 35	9° 6'06	15°50	9°51	26° 0	9°19	28° 6	15°44	27°34	23°29	18°47	13°D17	14°48	22°55	10°13	S 24
S 25	14 34 31	10° 3'55	0♋31	12° 2	26°43	8°58	28°16	15°49	27°31	23°31	18°47	13°18	14°45	23° 1	10°17	S 25
M26	14 38 28	11° 1'42	15° 0	14°13	27°26	8°36	28°27	15°55	27°29	23°33	18°48	13°19	14°42	23° 8	10°21	M26
T 27	14 42 25	11°59'28	29°13	16°24	28°10	8°15	28°39	16° 0	27°26	23°36	18°48	13°21	14°39	23°15	10°26	T 27
W28	14 46 21	12°57'12	13♌10	18°34	28°55	7°53	28°50	16° 5	27°24	23°38	18°48	13°R21	14°36	23°21	10°30	W28
T 29	14 50 18	13°54'54	26°49	20°44	29°41	7°32	29° 1	16°10	27°21	23°40	18°49	13°20	14°33	23°28	10°34	T 29
F 30	14 54 14	14♉52'34	10♍12	22♉52	0♈28	7♏11	29♊12	16♓15	27♎19	23♈42	18♒49	13♊19	14♊29	23♐34	10♉38	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n39	20n18	4n29	4s 8	2s32	1s43	4n 7	15s26	1n13	23n32	0n 5	8s18	1s54	10s30	0n32	7n12	1s47	25s49	11s 2	22n42	22n50	23s36	13n54	0s36
F 2	7 1	16 10	4 55	3 28	2 30	1 52	3 54	15 25	1 11	23 32	0 5	8 16	1 54	10 29	0 32	7 13	1 47	25 49	11 2	22 41	22 49	23 37	13 55	0 36
S 3	7 23	11 18	5 5	2 46	2 27	2 1	3 41	15 24	1 9	23 32	0 5	8 13	1 54	10 28	0 32	7 14	1 47	25 49	11 2	22 40	22 49	23 39	13 56	0 36
S 4	7 46	5 58	4 59	2 3	2 25	2 9	3 29	15 23	1 7	23 33	0 5	8 11	1 54	10 28	0 32	7 14	1 47	25 49	11 3	22 39	22 49	23 40	13 57	0 36
M 5	8 8	0 28	4 37	1 19	2 21	2 16	3 16	15 21	1 5	23 33	0 5	8 9	1 54	10 27	0 32	7 15	1 47	25 49	11 3	22 38	22 48	23 41	13 58	0 36
T 6	8 30	4s58	4 1	0 34	2 17	2 21	3 4	15 19	1 3	23 34	0 6	8 6	1 54	10 26	0 32	7 16	1 47	25 49	11 3	22 37	22 48	23 43	14 0	0 37
W 7	8 51	10 7	3 15	0n13	2 13	2 26	2 52	15 17	1 1	23 34	0 6	8 4	1 55	10 25	0 32	7 17	1 47	25 49	11 4	22 36	22 48	23 44	14 1	0 37
T 8	9 13	14 47	2 19	1 0	2 8	2 30	2 40	15 15	0 59	23 35	0 6	8 2	1 55	10 24	0 32	7 18	1 47	25 49	11 4	22 35	22 47	23 45	14 2	0 37
F 9	9 35	18 47	1 19	1 48	2 3	2 33	2 28	15 13	0 57	23 35	0 6	7 59	1 55	10 23	0 32	7 19	1 47	25 49	11 4	22 35	22 47	23 47	14 3	0 37
S 10	9 56	21 58	0 15	2 38	1 57	2 35	2 16	15 11	0 54	23 35	0 6	7 57	1 55	10 22	0 32	7 19	1 47	25 49	11 5	22 35	22 46	23 48	14 4	0 37
S 11	10 17	24 11	0s49	3 28	1 50	2 36	2 5	15 8	0 52	23 36	0 6	7 55	1 55	10 21	0 32	7 20	1 47	25 49	11 5	22 35	22 46	23 49	14 6	0 37
M12	10 38	25 19	1 50	4 19	1 43	2 36	1 54	15 6	0 50	23 36	0 6	7 53	1 55	10 20	0 32	7 21	1 47	25 49	11 5	22 35	22 46	23 51	14 7	0 37
T 13	10 59	25 19	2 48	5 11	1 36	2 35	1 43	15 3	0 47	23 37	0 6	7 50	1 56	10 19	0 32	7 22	1 47	25 49	11 5	22 35	22 45	23 52	14 8	0 37
W14	11 20	24 8	3 38	6 3	1 28	2 34	1 33	15 0	0 45	23 37	0 6	7 48	1 56	10 19	0 32	7 23	1 47	25 49	11 6	22 35	22 45	23 53	14 9	0 37
T 15	11 40	21 49	4 20	6 56	1 20	2 31	1 22	14 57	0 42	23 37	0 6	7 46	1 56	10 18	0 32	7 24	1 47	25 49	11 6	22 35	22 45	23 55	14 11	0 37
F 16	12 1	18 26	4 50	7 50	1 11	2 28	1 12	14 54	0 40	23 38	0 6	7 44	1 56	10 17	0 32	7 24	1 47	25 49	11 6	22 35	22 44	23 56	14 12	0 37
S 17	12 21	14 6	5 7	8 44	1 2	2 24	1 3	14 50	0 37	23 38	0 7	7 42	1 56	10 16	0 32	7 25	1 47	25 49	11 7	22 34	22 44	23 57	14 13	0 37
S 18	12 41	8 59	5 9	9 38	0 53	2 19	0 53	14 47	0 34	23 38	0 7	7 40	1 56	10 15	0 32	7 26	1 47	25 49	11 7	22 34	22 44	23 58	14 14	0 37
M19	13 1	3 16	4 53	10 32	0 43	2 13	0 44	14 43	0 32	23 39	0 7	7 38	1 57	10 14	0 32	7 27	1 47	25 49	11 7	22 33	22 43	24 0	14 15	0 37
T 20	13 20	2n46	4 19	11 27	0 33	2 7	0 35	14 39	0 29	23 39	0 7	7 36	1 57	10 13	0 32	7 28	1 47	25 49	11 8	22 32	22 43	24 1	14 17	0 38
W21	13 40	8 50	3 28	12 21	0 23	2 0	0 26	14 36	0 26	23 39	0 7	7 33	1 57	10 12	0 32	7 28	1 47	25 49	11 8	22 31	22 43	24 2	14 18	0 38
T 22	13 59	14 31	2 22	13 14	0 12	1 52	0 17	14 32	0 23	23 40	0 7	7 31	1 57	10 11	0 32	7 29	1 47	25 50	11 8	22 31	22 42	24 3	14 19	0 38
F 23	14 18	19 23	1 6	14 7	0 2	1 44	0 9	14 28	0 20	23 40	0 7	7 30	1 57	10 11	0 32	7 30	1 47	25 50	11 9	22 31	22 42	24 5	14 20	0 38
S 24	14 36	23 2	0n14	14 59	0n 9	1 35	0 1	14 24	0 18	23 40	0 7	7 28	1 58	10 10	0 32	7 31	1 47	25 50	11 9	22 31	22 42	24 6	14 22	0 38
S 25	14 55	25 7	1 33	15 50	0 20	1 25	0s 7	14 20	0 15	23 40	0 7	7 26	1 58	10 9	0 32	7 32	1 47	25 50	11 9	22 31	22 41	24 7	14 23	0 38
M26	15 13	25 27	2 45	16 40	0 30	1 15	0 14	14 16	0 12	23 41	0 7	7 24	1 58	10 8	0 32	7 32	1 47	25 50	11 10	22 31	22 41	24 8	14 24	0 38
T 27	15 31	24 5	3 45	17 28	0 40	1 4	0 22	14 11	0 9	23 41	0 7	7 22	1 58	10 7	0 32	7 33	1 47	25 50	11 10	22 31	22 40	24 10	14 25	0 38
W28	15 48	21 17	4 31	18 15	0 50	0 53	0 29	14 7	0 6	23 41	0 8	7 20	1 58	10 6	0 32	7 34	1 47	25 50	11 10	22 31	22 40	24 11	14 26	0 38
T 29	16 6	17 20	5 1	18 59	1 0	0 41	0 36	14 3	0 3	23 41	0 8	7 18	1 59	10 5	0 32	7 35	1 47	25 51	11 11	22 31	22 40	24 12	14 28	0 38
F 30	16n23	12n36	5n13	19n42	1n 9	0s28	0s43	13s59	0s 0	23n41	0n 8	7s16	1s59	10s 5	0n32	7n36	1s47	25s51	11s11	22n31	22n39	24s13	14n29	0s38

Julian Day Number = 2105756.5, Delta T = 20m29s
Ecliptic obliquity = 23°33'46, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°32'35, Lahiri = 10°39'36 Julian Calendar 1 Apr. 1053 == Greg. Calendar 7 Apr. 1053

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1053
geocentric

MAY 1053 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 58 11	15♉50'12	23♍19	24♉59	1♈15	6°R50	29♊24	16♓20	27°R17	23♈44	18♒49	13°R15	14♊26	23♐41	10♉42	S 1
S 2	15 2 7	16°47'50	6♎11	27° 4	2° 3	6♏29	29°35	16°25	27♎14	23°46	18°50	13♊12	14°23	23°48	10°46	S 2
M 3	15 6 4	17°45'25	18°49	29° 8	2°52	6° 8	29°47	16°30	27°12	23°48	18°50	13° 7	14°20	23°54	10°50	M 3
T 4	15 10 0	18°43'00	1♏16	1♊ 9	3°42	5°48	29°58	16°35	27°10	23°51	18°50	13° 4	14°17	24° 1	10°54	T 4
W 5	15 13 57	19°40'33	13°31	3° 8	4°32	5°28	0♋10	16°39	27° 7	23°53	18°51	13° 0	14°14	24° 8	10°58	W 5
T 6	15 17 54	20°38'04	25°36	5° 5	5°24	5° 8	0°22	16°44	27° 5	23°55	18°51	12°58	14°10	24°14	11° 2	T 6
F 7	15 21 50	21°35'35	7♐33	6°59	6°15	4°49	0°33	16°48	27° 3	23°57	18°51	12°D57	14° 7	24°21	11° 7	F 7
S 8	15 25 47	22°33'05	19°25	8°51	7° 7	4°30	0°45	16°53	27° 1	23°59	18°51	12°57	14° 4	24°28	11°11	S 8
S 9	15 29 43	23°30'33	1♑13	10°41	8° 0	4°12	0°57	16°57	26°58	24° 1	18°51	12°58	14° 1	24°34	11°15	S 9
M10	15 33 40	24°28'01	13° 1	12°27	8°54	3°54	1° 9	17° 2	26°56	24° 3	18°51	13° 0	13°58	24°41	11°19	M10
T 11	15 37 36	25°25'28	24°52	14°11	9°48	3°37	1°21	17° 6	26°54	24° 5	18°51	13° 1	13°54	24°48	11°23	T 11
W12	15 41 33	26°22'54	6♒52	15°52	10°42	3°20	1°33	17°10	26°52	24° 7	18°52	13° 2	13°51	24°54	11°27	W12
T 13	15 45 29	27°20'20	19° 3	17°30	11°37	3° 4	1°46	17°14	26°50	24° 9	18°52	13° 3	13°48	25° 1	11°31	T 13
F 14	15 49 26	28°17'44	1♓31	19° 5	12°33	2°49	1°58	17°18	26°48	24°11	18°R52	13°R 3	13°45	25° 8	11°35	F 14
S 15	15 53 23	29°15'08	14°20	20°38	13°29	2°34	2°10	17°22	26°46	24°13	18°52	13° 3	13°42	25°14	11°39	S 15
S 16	15 57 19	0♊12'31	27°33	22° 7	14°25	2°20	2°22	17°26	26°44	24°15	18°52	13° 2	13°39	25°21	11°43	S 16
M17	16 1 16	1° 9'54	11♈13	23°34	15°22	2° 6	2°35	17°29	26°42	24°17	18°51	13° 0	13°35	25°27	11°47	M17
T 18	16 5 12	2° 7'16	25°19	24°57	16°20	1°53	2°47	17°33	26°40	24°18	18°51	12°59	13°32	25°34	11°51	T 18
W19	16 9 9	3° 4'37	9♉49	26°18	17°17	1°41	3° 0	17°37	26°38	24°20	18°51	12°58	13°29	25°41	11°55	W19
T 20	16 13 5	4° 1'58	24°39	27°35	18°16	1°30	3°12	17°40	26°36	24°22	18°51	12°57	13°26	25°47	11°59	T 20
F 21	16 17 2	4°59'18	9♊42	28°49	19°14	1°20	3°25	17°43	26°35	24°24	18°51	12°D57	13°23	25°54	12° 2	F 21
S 22	16 20 58	5°56'37	24°48	0♋ 1	20°13	1°10	3°37	17°47	26°33	24°26	18°51	12°57	13°20	26° 1	12° 6	S 22
S 23	16 24 55	6°53'56	9♋48	1° 9	21°12	1° 2	3°50	17°50	26°31	24°28	18°51	12°57	13°16	26° 7	12°10	S 23
M24	16 28 52	7°51'14	24°36	2°13	22°12	0°54	4° 3	17°53	26°29	24°29	18°50	12°58	13°13	26°14	12°14	M24
T 25	16 32 48	8°48'30	9♌ 5	3°15	23°12	0°47	4°15	17°56	26°28	24°31	18°50	12°58	13°10	26°21	12°18	T 25
W26	16 36 45	9°45'46	23°12	4°12	24°12	0°40	4°28	17°59	26°26	24°33	18°50	12°58	13° 7	26°27	12°22	W26
T 27	16 40 41	10°43'01	6♍55	5° 7	25°12	0°35	4°41	18° 2	26°24	24°34	18°49	12°R59	13° 4	26°34	12°25	T 27
F 28	16 44 38	11°40'15	20°15	5°58	26°13	0°30	4°54	18° 5	26°23	24°36	18°49	12°59	13° 0	26°41	12°29	F 28
S 29	16 48 34	12°37'29	3♎13	6°45	27°14	0°26	5° 7	18° 7	26°21	24°38	18°49	12°D58	12°57	26°47	12°33	S 29
S 30	16 52 31	13°34'41	15°54	7°28	28°16	0°24	5°19	18°10	26°20	24°39	18°48	12°59	12°54	26°54	12°37	S 30
M31	16 56 27	14♊31'53	28♎18	8♋ 7	29♈17	0♏21	5♋32	18♓12	26♎19	24♈41	18♒48	12♊59	12♊51	27♐ 1	12♉40	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n40	7n23	5n 9	20n22	1n18	0s15	0s49	13s55	0s 3	23n42	0n 8	7s15	1s59	10s 4	0n32	7n36	1s47	25s51	11s11	22n30	22n39	24s14	14n30	0s38
S 2	16 56	1 57	4 49	21 0	1 26	0 2	0 55	13 51	0 6	23 42	0 8	7 13	1 59	10 3	0 32	7 37	1 47	25 51	11 12	22 30	22 39	24 16	14 31	0 39
M 3	17 13	3s29	4 15	21 36	1 34	0n12	1 2	13 47	0 9	23 42	0 8	7 11	1 59	10 2	0 32	7 38	1 47	25 52	11 12	22 29	22 38	24 17	14 33	0 39
T 4	17 29	8 42	3 30	22 9	1 41	0 27	1 7	13 43	0 12	23 42	0 8	7 10	2 0	10 1	0 32	7 39	1 47	25 52	11 12	22 29	22 38	24 18	14 34	0 39
W 5	17 45	13 31	2 35	22 39	1 48	0 42	1 13	13 39	0 15	23 42	0 8	7 8	2 0	10 0	0 32	7 39	1 47	25 52	11 13	22 29	22 37	24 19	14 35	0 39
T 6	18 0	17 44	1 34	23 7	1 54	0 57	1 18	13 35	0 18	23 42	0 8	7 6	2 0	10 0	0 32	7 40	1 47	25 52	11 13	22 28	22 37	24 20	14 36	0 39
F 7	18 15	21 12	0 30	23 32	1 59	1 13	1 24	13 31	0 21	23 42	0 8	7 5	2 0	9 59	0 32	7 41	1 47	25 52	11 13	22 28	22 37	24 21	14 37	0 39
S 8	18 30	23 44	0s36	23 55	2 3	1 29	1 29	13 28	0 24	23 42	0 8	7 3	2 1	9 58	0 32	7 42	1 47	25 53	11 14	22 28	22 36	24 23	14 39	0 39
S 9	18 45	25 13	1 39	24 15	2 7	1 46	1 34	13 24	0 27	23 42	0 9	7 2	2 1	9 57	0 32	7 42	1 47	25 53	11 14	22 28	22 36	24 24	14 40	0 39
M10	18 59	25 33	2 39	24 33	2 9	2 2	1 38	13 21	0 30	23 42	0 9	7 0	2 1	9 56	0 32	7 43	1 47	25 53	11 14	22 28	22 36	24 25	14 41	0 39
T 11	19 13	24 44	3 32	24 48	2 12	2 20	1 43	13 18	0 33	23 42	0 9	6 59	2 1	9 56	0 32	7 44	1 47	25 54	11 15	22 29	22 35	24 26	14 42	0 39
W12	19 27	22 47	4 16	25 0	2 13	2 37	1 47	13 15	0 35	23 42	0 9	6 57	2 2	9 55	0 32	7 44	1 47	25 54	11 15	22 29	22 35	24 27	14 43	0 39
T 13	19 40	19 46	4 50	25 11	2 13	2 55	1 51	13 12	0 38	23 42	0 9	6 56	2 2	9 54	0 32	7 45	1 47	25 54	11 15	22 29	22 34	24 28	14 44	0 39
F 14	19 53	15 49	5 10	25 19	2 13	3 13	1 55	13 9	0 41	23 42	0 9	6 55	2 2	9 54	0 32	7 46	1 47	25 54	11 16	22 29	22 34	24 29	14 46	0 40
S 15	20 6	11 3	5 17	25 25	2 12	3 32	1 59	13 7	0 44	23 42	0 9	6 53	2 2	9 53	0 32	7 46	1 47	25 55	11 16	22 29	22 34	24 30	14 47	0 40
S 16	20 18	5 40	5 7	25 29	2 10	3 50	2 2	13 4	0 47	23 42	0 9	6 52	2 2	9 52	0 32	7 47	1 47	25 55	11 16	22 29	22 33	24 32	14 48	0 40
M17	20 30	0n11	4 39	25 32	2 7	4 9	2 6	13 2	0 49	23 41	0 9	6 51	2 3	9 51	0 32	7 48	1 47	25 55	11 17	22 29	22 33	24 33	14 49	0 40
T 18	20 42	6 12	3 55	25 32	2 4	4 28	2 9	13 0	0 52	23 41	0 9	6 50	2 3	9 51	0 32	7 48	1 47	25 56	11 17	22 28	22 33	24 34	14 50	0 40
W19	20 53	12 5	2 54	25 30	2 0	4 48	2 12	12 58	0 54	23 41	0 9	6 49	2 3	9 50	0 31	7 49	1 47	25 56	11 17	22 28	22 32	24 35	14 51	0 40
T 20	21 4	17 25	1 40	25 27	1 55	5 7	2 15	12 57	0 57	23 41	0 10	6 47	2 3	9 49	0 31	7 50	1 47	25 56	11 18	22 28	22 32	24 36	14 52	0 40
F 21	21 14	21 43	0 18	25 23	1 49	5 27	2 17	12 56	0 59	23 41	0 10	6 46	2 4	9 49	0 31	7 50	1 48	25 57	11 18	22 28	22 31	24 37	14 53	0 40
S 22	21 25	24 33	1n 5	25 17	1 43	5 47	2 20	12 54	1 2	23 40	0 10	6 45	2 4	9 48	0 31	7 51	1 48	25 57	11 18	22 28	22 31	24 38	14 54	0 40
S 23	21 34	25 35	2 24	25 9	1 36	6 7	2 22	12 54	1 4	23 40	0 10	6 44	2 4	9 48	0 31	7 52	1 48	25 58	11 19	22 28	22 31	24 39	14 56	0 40
M24	21 44	24 47	3 31	25 1	1 28	6 27	2 25	12 53	1 7	23 40	0 10	6 43	2 4	9 47	0 31	7 52	1 48	25 58	11 19	22 28	22 30	24 40	14 57	0 40
T 25	21 53	22 19	4 24	24 51	1 20	6 47	2 27	12 53	1 9	23 40	0 10	6 42	2 5	9 46	0 31	7 53	1 48	25 58	11 19	22 28	22 30	24 41	14 58	0 41
W26	22 2	18 33	4 59	24 40	1 10	7 8	2 29	12 53	1 11	23 39	0 10	6 41	2 5	9 46	0 31	7 53	1 48	25 59	11 20	22 28	22 29	24 42	14 59	0 41
T 27	22 10	13 54	5 16	24 28	1 0	7 28	2 30	12 53	1 13	23 39	0 10	6 40	2 5	9 45	0 31	7 54	1 48	25 59	11 20	22 28	22 29	24 43	15 0	0 41
F 28	22 18	8 42	5 15	24 15	0 50	7 49	2 32	12 53	1 16	23 38	0 10	6 40	2 6	9 45	0 31	7 55	1 48	26 0	11 20	22 28	22 29	24 44	15 1	0 41
S 29	22 26	3 16	4 58	24 2	0 38	8 9	2 33	12 54	1 18	23 38	0 10	6 39	2 6	9 44	0 31	7 55	1 48	26 0	11 21	22 28	22 28	24 45	15 2	0 41
S 30	22 33	2s11	4 27	23 48	0 27	8 30	2 35	12 55	1 20	23 38	0 10	6 38	2 6	9 44	0 31	7 56	1 48	26 0	11 21	22 28	22 28	24 46	15 3	0 41
M31	22n40	7s27	3n44	23n33	0n14	8n51	2s36	12s56	1s22	23n37	0n10	6s37	2s 6	9s43	0n31	7n56	1s48	26s 1	11s21	22n28	22n27	24s47	15n 4	0s41

Julian Day Number = 2105786.5, Delta T = 20m28s
Ecliptic obliquity = 23°33'46, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°32'40, Lahiri = 10°39'40 Julian Calendar 1 May 1053 == Greg. Calendar 7 May 1053

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1053
geocentric

JUNE 1053 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 0 24	15♊29'04	10♏30	8♋43	0♉19	0°R20	5♋45	18♓15	26°R17	24♈43	18°R48	12♊59	12♊48	27♐ 7	12♉44	T 1
W 2	17 4 21	16°26'15	22°33	9°14	1°22	0°D20	5°58	18°17	26♎16	24°44	18♒47	12°59	12°45	27°14	12°47	W 2
T 3	17 8 17	17°23'25	4♐28	9°41	2°24	0♏20	6°11	18°19	26°15	24°46	18°47	12°59	12°41	27°21	12°51	T 3
F 4	17 12 14	18°20'35	16°19	10° 3	3°27	0°21	6°24	18°21	26°13	24°47	18°46	12°R59	12°38	27°27	12°55	F 4
S 5	17 16 10	19°17'45	28° 7	10°21	4°30	0°23	6°38	18°23	26°12	24°49	18°46	12°59	12°35	27°34	12°58	S 5
S 6	17 20 7	20°14'55	9♑56	10°35	5°33	0°26	6°51	18°25	26°11	24°50	18°45	12°59	12°32	27°40	13° 2	S 6
M 7	17 24 3	21°12'04	21°46	10°44	6°36	0°30	7° 4	18°27	26°10	24°52	18°45	12°58	12°29	27°47	13° 5	M 7
T 8	17 28 0	22° 9'14	3♒42	10°R48	7°40	0°34	7°17	18°29	26° 9	24°53	18°44	12°57	12°26	27°54	13° 9	T 8
W 9	17 31 57	23° 6'23	15°45	10°48	8°44	0°39	7°30	18°30	26° 8	24°54	18°43	12°55	12°22	28° 0	13°12	W 9
T 10	17 35 53	24° 3'32	27°59	10°43	9°48	0°45	7°43	18°32	26° 7	24°56	18°43	12°54	12°19	28° 7	13°15	T 10
F 11	17 39 50	25° 0'42	10♓28	10°34	10°52	0°52	7°57	18°33	26° 6	24°57	18°42	12°53	12°16	28°14	13°19	F 11
S 12	17 43 46	25°57'51	23°15	10°20	11°57	0°59	8°10	18°35	26° 5	24°59	18°41	12°D53	12°13	28°20	13°22	S 12
S 13	17 47 43	26°55'01	6♈23	10° 2	13° 2	1° 7	8°23	18°36	26° 4	25° 0	18°41	12°53	12°10	28°27	13°25	S 13
M14	17 51 39	27°52'12	19°55	9°41	14° 7	1°16	8°36	18°37	26° 3	25° 1	18°40	12°53	12° 6	28°34	13°29	M14
T 15	17 55 36	28°49'22	3♉52	9°15	15°12	1°26	8°50	18°38	26° 3	25° 2	18°39	12°55	12° 3	28°40	13°32	T 15
W16	17 59 32	29°46'33	18°15	8°46	16°17	1°36	9° 3	18°39	26° 2	25° 3	18°39	12°56	12° 0	28°47	13°35	W16
T 17	18 3 29	0♌43'44	3♊ 0	8°14	17°22	1°47	9°16	18°40	26° 1	25° 5	18°38	12°57	11°57	28°54	13°38	T 17
F 18	18 7 26	1°40'56	18° 2	7°39	18°28	1°59	9°30	18°40	26° 1	25° 6	18°37	12°R57	11°54	29° 0	13°41	F 18
S 19	18 11 22	2°38'08	3♋13	7° 3	19°34	2°11	9°43	18°41	26° 0	25° 7	18°36	12°56	11°51	29° 7	13°44	S 19
S 20	18 15 19	3°35'20	18°23	6°25	20°40	2°24	9°56	18°42	26° 0	25° 8	18°35	12°54	11°47	29°14	13°47	S 20
M21	18 19 15	4°32'33	3♌24	5°47	21°46	2°38	10°10	18°42	25°59	25° 9	18°35	12°52	11°44	29°20	13°50	M21
T 22	18 23 12	5°29'45	18° 6	5° 8	22°52	2°52	10°23	18°42	25°59	25°10	18°34	12°49	11°41	29°27	13°53	T 22
W23	18 27 8	6°26'58	2♍25	4°30	23°59	3° 7	10°37	18°42	25°59	25°11	18°33	12°46	11°38	29°34	13°56	W23
T 24	18 31 5	7°24'10	16°16	3°53	25° 5	3°23	10°50	18°R43	25°58	25°12	18°32	12°44	11°35	29°40	13°59	T 24
F 25	18 35 1	8°21'22	29°40	3°19	26°12	3°39	11° 3	18°43	25°58	25°13	18°31	12°42	11°32	29°47	14° 2	F 25
S 26	18 38 58	9°18'35	12♎38	2°46	27°19	3°56	11°17	18°42	25°58	25°14	18°30	12°D42	11°28	29°54	14° 4	S 26
S 27	18 42 55	10°15'48	25°14	2°17	28°26	4°14	11°30	18°42	25°58	25°15	18°29	12°43	11°25	0♑ 0	14° 7	S 27
M28	18 46 51	11°13'01	7♏32	1°52	29°33	4°32	11°43	18°42	25°58	25°16	18°28	12°44	11°22	0° 7	14°10	M28
T 29	18 50 48	12°10'14	19°37	1°30	0♊40	4°50	11°57	18°41	25°D58	25°16	18°27	12°46	11°19	0°13	14°12	T 29
W30	18 54 44	13♋ 7'28	1♐32	1♋13	1♊48	5♏ 9	12♋10	18♓41	25♎58	25♈17	18♒26	12♊47	11♊16	0♑20	14♉15	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n46	12s21	2n51	23n17	0n 1	9n12	2s37	12s57	1s24	23n37	0n11	6s37	2s 7	9s43	0n31	7n57	1s48	26s 1	11s21	22n28	22n27	24s48	15n 5	0s41
W 2	22 52	16 43	1 51	23 2	0s13	9 32	2 38	12 59	1 26	23 36	0 11	6 36	2 7	9 42	0 31	7 57	1 48	26 2	11 22	22 28	22 27	24 49	15 6	0 41
T 3	22 58	20 22	0 47	22 46	0 27	9 53	2 39	13 1	1 28	23 36	0 11	6 35	2 7	9 42	0 31	7 58	1 48	26 2	11 22	22 28	22 26	24 50	15 7	0 41
F 4	23 3	23 10	0s18	22 30	0 41	10 14	2 39	13 3	1 30	23 35	0 11	6 35	2 7	9 42	0 31	7 58	1 48	26 3	11 22	22 28	22 26	24 51	15 8	0 42
S 5	23 8	24 56	1 23	22 13	0 56	10 35	2 40	13 6	1 31	23 35	0 11	6 34	2 8	9 41	0 31	7 59	1 48	26 3	11 23	22 28	22 25	24 52	15 9	0 42
S 6	23 12	25 35	2 24	21 57	1 12	10 55	2 40	13 8	1 33	23 34	0 11	6 34	2 8	9 41	0 31	7 59	1 48	26 4	11 23	22 28	22 25	24 53	15 10	0 42
M 7	23 16	25 4	3 19	21 40	1 27	11 16	2 40	13 11	1 35	23 33	0 11	6 33	2 8	9 40	0 31	8 0	1 48	26 4	11 23	22 28	22 24	24 54	15 11	0 42
T 8	23 20	23 24	4 6	21 24	1 43	11 37	2 41	13 14	1 37	23 33	0 11	6 33	2 8	9 40	0 31	8 0	1 48	26 4	11 24	22 28	22 24	24 55	15 12	0 42
W 9	23 23	20 41	4 42	21 8	1 59	11 57	2 41	13 18	1 38	23 32	0 11	6 32	2 9	9 40	0 31	8 1	1 48	26 5	11 24	22 28	22 24	24 56	15 13	0 42
T 10	23 26	17 1	5 6	20 53	2 15	12 17	2 40	13 21	1 40	23 32	0 11	6 32	2 9	9 39	0 31	8 1	1 48	26 5	11 24	22 28	22 23	24 57	15 14	0 42
F 11	23 28	12 33	5 16	20 38	2 31	12 38	2 40	13 25	1 41	23 31	0 11	6 32	2 9	9 39	0 31	8 2	1 49	26 6	11 24	22 28	22 23	24 58	15 15	0 42
S 12	23 30	7 27	5 12	20 23	2 47	12 58	2 40	13 29	1 43	23 30	0 12	6 32	2 10	9 39	0 31	8 2	1 49	26 6	11 25	22 28	22 22	24 59	15 15	0 42
S 13	23 32	1 54	4 51	20 9	3 2	13 18	2 39	13 33	1 44	23 29	0 12	6 31	2 10	9 38	0 31	8 2	1 49	26 7	11 25	22 28	22 22	25 0	15 16	0 43
M14	23 33	3n55	4 13	19 56	3 17	13 38	2 39	13 38	1 46	23 29	0 12	6 31	2 10	9 38	0 31	8 3	1 49	26 7	11 25	22 28	22 22	25 1	15 17	0 43
T 15	23 33	9 44	3 20	19 44	3 31	13 57	2 38	13 42	1 47	23 28	0 12	6 31	2 10	9 38	0 31	8 3	1 49	26 8	11 26	22 28	22 21	25 2	15 18	0 43
W16	23 34	15 14	2 12	19 33	3 44	14 17	2 37	13 47	1 48	23 27	0 12	6 31	2 11	9 38	0 31	8 4	1 49	26 8	11 26	22 28	22 21	25 3	15 19	0 43
T 17	23 34	19 58	0 55	19 22	3 57	14 36	2 37	13 52	1 50	23 26	0 12	6 31	2 11	9 38	0 31	8 4	1 49	26 9	11 26	22 28	22 20	25 4	15 20	0 43
F 18	23 33	23 29	0n28	19 13	4 8	14 55	2 36	13 57	1 51	23 25	0 12	6 31	2 11	9 37	0 31	8 4	1 49	26 9	11 26	22 28	22 20	25 5	15 21	0 43
S 19	23 32	25 21	1 50	19 5	4 18	15 14	2 34	14 3	1 52	23 24	0 12	6 31	2 11	9 37	0 31	8 5	1 49	26 10	11 27	22 28	22 19	25 5	15 21	0 43
S 20	23 31	25 19	3 3	18 58	4 27	15 33	2 33	14 9	1 53	23 24	0 12	6 31	2 12	9 37	0 31	8 5	1 49	26 10	11 27	22 28	22 19	25 6	15 22	0 43
M21	23 29	23 26	4 4	18 52	4 34	15 51	2 32	14 14	1 55	23 23	0 12	6 31	2 12	9 37	0 30	8 5	1 49	26 11	11 27	22 27	22 19	25 7	15 23	0 43
T 22	23 27	20 1	4 46	18 48	4 40	16 9	2 31	14 21	1 56	23 22	0 12	6 31	2 12	9 37	0 30	8 6	1 49	26 11	11 27	22 27	22 18	25 8	15 24	0 44
W23	23 24	15 29	5 10	18 45	4 44	16 27	2 29	14 27	1 57	23 21	0 13	6 31	2 13	9 37	0 30	8 6	1 49	26 12	11 28	22 27	22 18	25 9	15 24	0 44
T 24	23 21	10 16	5 14	18 44	4 47	16 45	2 28	14 33	1 58	23 20	0 13	6 31	2 13	9 37	0 30	8 6	1 49	26 12	11 28	22 26	22 17	25 10	15 25	0 44
F 25	23 18	4 44	5 1	18 44	4 48	17 2	2 26	14 40	1 59	23 19	0 13	6 32	2 13	9 37	0 30	8 7	1 49	26 13	11 28	22 26	22 17	25 11	15 26	0 44
S 26	23 14	0s50	4 33	18 45	4 47	17 19	2 24	14 46	2 0	23 18	0 13	6 32	2 13	9 37	0 30	8 7	1 49	26 14	11 28	22 26	22 16	25 12	15 27	0 44
S 27	23 10	6 12	3 52	18 48	4 45	17 36	2 22	14 53	2 1	23 17	0 13	6 32	2 14	9 37	0 30	8 7	1 49	26 14	11 29	22 26	22 16	25 12	15 27	0 44
M28	23 5	11 14	3 2	18 52	4 41	17 52	2 21	15 0	2 2	23 16	0 13	6 33	2 14	9 37	0 30	8 7	1 49	26 15	11 29	22 27	22 16	25 13	15 28	0 44
T 29	23 0	15 44	2 4	18 58	4 36	18 8	2 19	15 7	2 3	23 14	0 13	6 33	2 14	9 37	0 30	8 8	1 50	26 15	11 29	22 27	22 15	25 14	15 29	0 44
W30	22n55	19s34	1n 1	19n 5	4s29	18n24	2s17	15s15	2s 4	23n13	0n13	6s34	2s14	9s37	0n30	8n 8	1s50	26s16	11s29	22n27	22n15	25s15	15n29	0s44

Julian Day Number = 2105817.5, Delta T = 20m28s
Ecliptic obliquity = 23°33'45, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°32'44, Lahiri = 10°39'44 Julian Calendar 1 June 1053 == Greg. Calendar 7 June 1053

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1053
geocentric

JULY 1053 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 58 41	14♋ 4'42	13♐21	1°R 2	2♊55	5♏29	12♋24	18°R40	25♎58	25♈18	18°R25	12°R48	11♊12	0♑27	14♉18	T 1
F 2	19 2 37	15° 1'56	25° 9	0♋55	4° 3	5°49	12°37	18♓40	25°58	25°19	18♒24	12♊47	11° 9	0°33	14°20	F 2
S 3	19 6 34	15°59'11	6♑57	0°D54	5°11	6°10	12°50	18°39	25°58	25°19	18°23	12°45	11° 6	0°40	14°23	S 3
S 4	19 10 30	16°56'27	18°49	0°59	6°19	6°31	13° 4	18°38	25°59	25°20	18°22	12°41	11° 3	0°47	14°25	S 4
M 5	19 14 27	17°53'44	0♒46	1° 9	7°27	6°53	13°17	18°37	25°59	25°21	18°21	12°36	11° 0	0°53	14°27	M 5
T 6	19 18 24	18°51'01	12°50	1°26	8°35	7°15	13°30	18°36	25°59	25°21	18°20	12°29	10°57	1° 0	14°30	T 6
W 7	19 22 20	19°48'19	25° 2	1°48	9°43	7°38	13°44	18°35	26° 0	25°22	18°19	12°23	10°53	1° 7	14°32	W 7
T 8	19 26 17	20°45'38	7♓25	2°17	10°51	8° 1	13°57	18°33	26° 0	25°22	18°18	12°17	10°50	1°13	14°34	T 8
F 9	19 30 13	21°42'57	20° 1	2°52	12° 0	8°24	14°10	18°32	26° 1	25°23	18°17	12°12	10°47	1°20	14°36	F 9
S 10	19 34 10	22°40'18	2♈50	3°32	13° 9	8°48	14°24	18°30	26° 1	25°23	18°15	12° 8	10°44	1°27	14°38	S 10
S 11	19 38 6	23°37'40	15°57	4°19	14°17	9°13	14°37	18°29	26° 2	25°24	18°14	12° 7	10°41	1°33	14°40	S 11
M12	19 42 3	24°35'03	29°24	5°12	15°26	9°38	14°50	18°27	26° 2	25°24	18°13	12°D 6	10°38	1°40	14°42	M12
T 13	19 45 59	25°32'28	13♉11	6°10	16°35	10° 3	15° 4	18°25	26° 3	25°25	18°12	12° 7	10°34	1°47	14°44	T 13
W14	19 49 56	26°29'54	27°20	7°14	17°44	10°29	15°17	18°23	26° 4	25°25	18°11	12° 8	10°31	1°53	14°46	W14
T 15	19 53 53	27°27'21	11♊51	8°24	18°54	10°55	15°30	18°21	26° 5	25°25	18°10	12°R 9	10°28	2° 0	14°48	T 15
F 16	19 57 49	28°24'49	26°39	9°39	20° 3	11°22	15°43	18°19	26° 6	25°25	18° 8	12° 8	10°25	2° 7	14°50	F 16
S 17	20 1 46	29°22'19	11♋40	10°59	21°12	11°49	15°57	18°17	26° 7	25°26	18° 7	12° 5	10°22	2°13	14°52	S 17
S 18	20 5 42	0♌19'50	26°45	12°24	22°22	12°16	16°10	18°15	26° 8	25°26	18° 6	12° 1	10°18	2°20	14°53	S 18
M19	20 9 39	1°17'22	11♌45	13°54	23°32	12°44	16°23	18°13	26° 9	25°26	18° 5	11°54	10°15	2°27	14°55	M19
T 20	20 13 35	2°14'55	26°31	15°29	24°41	13°12	16°36	18°10	26°10	25°26	18° 3	11°46	10°12	2°33	14°57	T 20
W21	20 17 32	3°12'29	10♍55	17° 8	25°51	13°41	16°49	18° 8	26°11	25°26	18° 2	11°39	10° 9	2°40	14°58	W21
T 22	20 21 29	4°10'04	24°52	18°50	27° 1	14°10	17° 2	18° 5	26°12	25°26	18° 1	11°32	10° 6	2°47	15° 0	T 22
F 23	20 25 25	5° 7'40	8♎21	20°36	28°11	14°39	17°15	18° 2	26°13	25°26	18° 0	11°27	10° 3	2°53	15° 1	F 23
S 24	20 29 22	6° 5'16	21°22	22°26	29°21	15° 8	17°28	18° 0	26°14	25°R26	17°58	11°24	9°59	3° 0	15° 2	S 24
S 25	20 33 18	7° 2'54	3♏59	24°18	0♋31	15°38	17°41	17°57	26°16	25°26	17°57	11°D23	9°56	3° 7	15° 4	S 25
M26	20 37 15	8° 0'33	16°17	26°12	1°42	16° 9	17°54	17°54	26°17	25°26	17°56	11°23	9°53	3°13	15° 5	M26
T 27	20 41 11	8°58'13	28°19	28° 9	2°52	16°39	18° 7	17°51	26°19	25°26	17°55	11°24	9°50	3°20	15° 6	T 27
W28	20 45 8	9°55'54	10♐12	0♌ 7	4° 3	17°10	18°20	17°48	26°20	25°26	17°53	11°R24	9°47	3°26	15° 7	W28
T 29	20 49 4	10°53'36	22° 0	2° 6	5°13	17°41	18°33	17°44	26°22	25°26	17°52	11°24	9°44	3°33	15° 8	T 29
F 30	20 53 1	11°51'20	3♑47	4° 6	6°24	18°13	18°46	17°41	26°23	25°26	17°51	11°21	9°40	3°40	15° 9	F 30
S 31	20 56 58	12♌49'05	15♑39	6♌ 7	7♋35	18♏45	18♋58	17♓38	26♎25	25♈26	17♒50	11♊16	9♊37	3♑46	15♉10	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n49	22s34	0s 3	19n13	4s21	18n39	2s15	15s22	2s 4	23n12	0n13	6s34	2s15	9s37	0n30	8n 8	1s50	26s16	11s30	22n27	22n14	25s16	15n30	0s45
F 2	22 43	24 36	1 7	19 22	4 12	18 54	2 12	15 30	2 5	23 11	0 13	6 35	2 15	9 37	0 30	8 8	1 50	26 17	11 30	22 27	22 14	25 16	15 31	0 45
S 3	22 36	25 31	2 8	19 32	4 1	19 8	2 10	15 38	2 6	23 10	0 14	6 35	2 15	9 37	0 30	8 9	1 50	26 17	11 30	22 27	22 13	25 17	15 31	0 45
S 4	22 29	25 16	3 4	19 44	3 50	19 22	2 8	15 45	2 7	23 9	0 14	6 36	2 16	9 37	0 30	8 9	1 50	26 18	11 30	22 26	22 13	25 18	15 32	0 45
M 5	22 22	23 52	3 52	19 56	3 38	19 36	2 5	15 53	2 8	23 7	0 14	6 36	2 16	9 37	0 30	8 9	1 50	26 18	11 30	22 25	22 12	25 19	15 32	0 45
T 6	22 14	21 22	4 30	20 8	3 25	19 49	2 3	16 1	2 8	23 6	0 14	6 37	2 16	9 37	0 30	8 9	1 50	26 19	11 31	22 25	22 12	25 20	15 33	0 45
W 7	22 6	17 53	4 56	20 22	3 11	20 2	2 1	16 9	2 9	23 5	0 14	6 38	2 16	9 38	0 30	8 9	1 50	26 19	11 31	22 24	22 12	25 20	15 34	0 45
T 8	21 57	13 36	5 9	20 35	2 57	20 14	1 58	16 18	2 10	23 4	0 14	6 39	2 17	9 38	0 30	8 9	1 50	26 20	11 31	22 23	22 11	25 21	15 34	0 45
F 9	21 48	8 41	5 7	20 49	2 43	20 26	1 55	16 26	2 10	23 2	0 14	6 39	2 17	9 38	0 30	8 9	1 50	26 21	11 31	22 22	22 11	25 22	15 35	0 46
S 10	21 39	3 18	4 50	21 3	2 28	20 38	1 53	16 34	2 11	23 1	0 14	6 40	2 17	9 38	0 30	8 10	1 50	26 21	11 31	22 22	22 10	25 23	15 35	0 46
S 11	21 29	2n20	4 18	21 17	2 13	20 49	1 50	16 43	2 11	23 0	0 14	6 41	2 17	9 38	0 30	8 10	1 50	26 22	11 31	22 22	22 10	25 23	15 36	0 46
M12	21 19	8 2	3 31	21 30	1 58	20 59	1 47	16 51	2 12	22 58	0 14	6 42	2 18	9 39	0 30	8 10	1 50	26 22	11 32	22 22	22 9	25 24	15 36	0 46
T 13	21 9	13 29	2 30	21 43	1 42	21 9	1 44	17 0	2 13	22 57	0 15	6 43	2 18	9 39	0 30	8 10	1 50	26 23	11 32	22 22	22 9	25 25	15 37	0 46
W14	20 58	18 23	1 19	21 55	1 27	21 18	1 42	17 9	2 13	22 55	0 15	6 44	2 18	9 39	0 30	8 10	1 50	26 23	11 32	22 22	22 8	25 26	15 37	0 46
T 15	20 47	22 18	0 2	22 6	1 12	21 27	1 39	17 18	2 14	22 54	0 15	6 45	2 18	9 40	0 30	8 10	1 51	26 24	11 32	22 22	22 8	25 26	15 37	0 46
F 16	20 35	24 49	1n18	22 15	0 57	21 36	1 36	17 26	2 14	22 53	0 15	6 46	2 19	9 40	0 30	8 10	1 51	26 24	11 32	22 22	22 7	25 27	15 38	0 46
S 17	20 23	25 35	2 33	22 24	0 43	21 43	1 33	17 35	2 15	22 51	0 15	6 47	2 19	9 40	0 30	8 10	1 51	26 25	11 32	22 21	22 7	25 28	15 38	0 47
S 18	20 11	24 28	3 37	22 30	0 29	21 51	1 30	17 44	2 15	22 50	0 15	6 48	2 19	9 41	0 30	8 10	1 51	26 25	11 33	22 21	22 7	25 29	15 39	0 47
M19	19 59	21 36	4 26	22 35	0 15	21 57	1 27	17 53	2 15	22 48	0 15	6 49	2 19	9 41	0 30	8 10	1 51	26 26	11 33	22 20	22 6	25 29	15 39	0 47
T 20	19 46	17 23	4 56	22 38	0 2	22 4	1 24	18 2	2 16	22 47	0 15	6 50	2 20	9 42	0 29	8 10	1 51	26 26	11 33	22 19	22 6	25 30	15 39	0 47
W21	19 32	12 14	5 7	22 39	0n11	22 9	1 21	18 11	2 16	22 45	0 15	6 52	2 20	9 42	0 29	8 10	1 51	26 27	11 33	22 18	22 5	25 31	15 40	0 47
T 22	19 19	6 37	4 59	22 37	0 23	22 14	1 18	18 20	2 16	22 44	0 15	6 53	2 20	9 43	0 29	8 10	1 51	26 27	11 33	22 17	22 5	25 31	15 40	0 47
F 23	19 5	0 52	4 34	22 32	0 34	22 19	1 14	18 29	2 17	22 42	0 16	6 54	2 20	9 43	0 29	8 10	1 51	26 28	11 33	22 16	22 4	25 32	15 40	0 47
S 24	18 51	4s44	3 56	22 26	0 45	22 22	1 11	18 39	2 17	22 40	0 16	6 55	2 21	9 43	0 29	8 10	1 51	26 29	11 33	22 16	22 4	25 33	15 40	0 48
S 25	18 36	9 59	3 7	22 16	0 55	22 26	1 8	18 48	2 17	22 39	0 16	6 57	2 21	9 44	0 29	8 10	1 51	26 29	11 33	22 16	22 3	25 33	15 41	0 48
M26	18 22	14 42	2 11	22 4	1 4	22 28	1 5	18 57	2 18	22 37	0 16	6 58	2 21	9 45	0 29	8 10	1 51	26 30	11 34	22 16	22 3	25 34	15 41	0 48
T 27	18 6	18 45	1 10	21 49	1 12	22 30	1 2	19 6	2 18	22 36	0 16	7 0	2 21	9 45	0 29	8 10	1 51	26 30	11 34	22 16	22 2	25 35	15 41	0 48
W28	17 51	21 59	0 7	21 31	1 19	22 32	0 59	19 15	2 18	22 34	0 16	7 1	2 21	9 46	0 29	8 10	1 51	26 31	11 34	22 16	22 2	25 35	15 41	0 48
T 29	17 35	24 16	0s56	21 11	1 25	22 32	0 55	19 24	2 18	22 32	0 16	7 2	2 22	9 46	0 29	8 9	1 51	26 31	11 34	22 16	22 1	25 36	15 42	0 48
F 30	17 19	25 27	1 57	20 48	1 31	22 32	0 52	19 34	2 19	22 31	0 16	7 4	2 22	9 47	0 29	8 9	1 52	26 32	11 34	22 15	22 1	25 36	15 42	0 48
S 31	17n 3	25s30	2s52	20n23	1n35	22n32	0s49	19s43	2s19	22n29	0n16	7s 5	2s22	9s47	0n29	8n 9	1s52	26s32	11s34	22n15	22n 0	25s37	15n42	0s48

Julian Day Number = 2105847.5, Delta T = 20m28s
Ecliptic obliquity = 23°33'45, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°32'48, Lahiri = 10°39'48 Julian Calendar 1 July 1053 == Greg. Calendar 7 July 1053

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1053
geocentric

AUGUST 1053 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 0 54	13♌46'51	27♉36	8♌ 8	8♋45	19♏17	19♋11	17°R34	26♎26	25°R25	17°R48	11°R 9	9♊34	3♉53	15♉11	S 1
M 2	21 4 51	14°44'38	9♒42	10° 8	9°56	19°49	19°24	17♓31	26°28	25♈25	17♒47	10♊59	9°31	4° 0	15°12	M 2
T 3	21 8 47	15°42'27	21°59	12° 9	11° 7	20°22	19°37	17°27	26°30	25°25	17°46	10°48	9°28	4° 6	15°13	T 3
W 4	21 12 44	16°40'18	4♓26	14° 9	12°18	20°55	19°49	17°24	26°32	25°24	17°44	10°36	9°24	4°13	15°13	W 4
T 5	21 16 40	17°38'10	17° 4	16° 8	13°30	21°28	20° 2	17°20	26°34	25°24	17°43	10°25	9°21	4°20	15°14	T 5
F 6	21 20 37	18°36'03	29°53	18° 7	14°41	22° 2	20°14	17°16	26°35	25°24	17°42	10°15	9°18	4°26	15°14	F 6
S 7	21 24 33	19°33'59	12♈55	20° 5	15°52	22°36	20°27	17°13	26°37	25°23	17°40	10° 8	9°15	4°33	15°15	S 7
S 8	21 28 30	20°31'56	26° 9	22° 2	17° 4	23°10	20°39	17° 9	26°39	25°23	17°39	10° 3	9°12	4°40	15°15	S 8
M 9	21 32 26	21°29'55	9♉37	23°57	18°15	23°44	20°51	17° 5	26°41	25°22	17°38	10° 1	9° 9	4°46	15°16	M 9
T 10	21 36 23	22°27'56	23°20	25°52	19°27	24°18	21° 4	17° 1	26°43	25°22	17°37	10°D 0	9° 5	4°53	15°16	T 10
W11	21 40 20	23°26'00	7♊19	27°46	20°38	24°53	21°16	16°57	26°46	25°21	17°35	10°R 1	9° 2	5° 0	15°16	W11
T 12	21 44 16	24°24'05	21°34	29°38	21°50	25°28	21°28	16°53	26°48	25°20	17°34	10° 0	8°59	5° 6	15°17	T 12
F 13	21 48 13	25°22'12	6♋ 3	1♍29	23° 2	26° 3	21°40	16°48	26°50	25°20	17°33	9°58	8°56	5°13	15°17	F 13
S 14	21 52 9	26°20'22	20°44	3°19	24°14	26°39	21°53	16°44	26°52	25°19	17°31	9°54	8°53	5°20	15°17	S 14
S 15	21 56 6	27°18'33	5♌30	5° 7	25°26	27°15	22° 5	16°40	26°55	25°18	17°30	9°46	8°50	5°26	15°R17	S 15
M16	22 0 2	28°16'46	20°14	6°55	26°38	27°51	22°17	16°36	26°57	25°18	17°29	9°36	8°46	5°33	15°17	M16
T 17	22 3 59	29°15'01	4♍49	8°41	27°50	28°27	22°29	16°31	26°59	25°17	17°28	9°25	8°43	5°40	15°17	T 17
W18	22 7 55	0♍13'17	19° 6	10°26	29° 2	29° 3	22°40	16°27	27° 2	25°16	17°26	9°14	8°40	5°46	15°17	W18
T 19	22 11 52	1°11'36	3♎ 1	12°10	0♌15	29°40	22°52	16°23	27° 4	25°15	17°25	9° 3	8°37	5°53	15°16	T 19
F 20	22 15 49	2° 9'56	16°30	13°53	1°27	0♐17	23° 4	16°18	27° 7	25°15	17°24	8°55	8°34	6° 0	15°16	F 20
S 21	22 19 45	3° 8'17	29°33	15°34	2°40	0°54	23°16	16°14	27° 9	25°14	17°23	8°49	8°30	6° 6	15°16	S 21
S 22	22 23 42	4° 6'40	12♏11	17°15	3°52	1°31	23°27	16° 9	27°12	25°13	17°21	8°45	8°27	6°13	15°15	S 22
M23	22 27 38	5° 5'05	24°30	18°54	5° 5	2° 9	23°39	16° 5	27°14	25°12	17°20	8°44	8°24	6°20	15°15	M23
T 24	22 31 35	6° 3'32	6♐33	20°32	6°17	2°46	23°50	16° 0	27°17	25°11	17°19	8°44	8°21	6°26	15°14	T 24
W25	22 35 31	7° 2'00	18°26	22°10	7°30	3°24	24° 2	15°56	27°20	25°10	17°18	8°43	8°18	6°33	15°14	W25
T 26	22 39 28	8° 0'30	0♑14	23°46	8°43	4° 2	24°13	15°51	27°22	25° 9	17°16	8°42	8°15	6°40	15°13	T 26
F 27	22 43 24	8°59'02	12° 4	25°21	9°56	4°40	24°24	15°46	27°25	25° 8	17°15	8°39	8°11	6°46	15°12	F 27
S 28	22 47 21	9°57'35	23°58	26°55	11° 8	5°19	24°35	15°42	27°28	25° 7	17°14	8°33	8° 8	6°53	15°12	S 28
S 29	22 51 18	10°56'10	6♒ 2	28°27	12°21	5°57	24°46	15°37	27°31	25° 6	17°13	8°25	8° 5	7° 0	15°11	S 29
M30	22 55 14	11°54'47	18°18	29°59	13°34	6°36	24°57	15°32	27°34	25° 5	17°12	8°14	8° 2	7° 6	15°10	M30
T 31	22 59 11	12♍53'26	0♓48	1♎30	14♌48	7♐15	25♋ 8	15♓28	27♎37	25♈ 3	17♒11	8♊ 1	7♊59	7♉13	15♉ 9	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n47	24s21	3s41	19n55	1n39	22n31	0s46	19s52	2s19	22n27	0n17	7s 7	2s22	9s48	0n29	8n 9	1s52	26s33	11s34	22n14	22n 0	25s38	15n42	0s49
M 2	16 30	22 4	4 19	19 26	1 42	22 29	0 42	20 1	2 19	22 26	0 17	7 8	2 22	9 49	0 29	8 9	1 52	26 33	11 34	22 12	22 0	25 38	15 42	0 49
T 3	16 13	18 46	4 47	18 54	1 44	22 27	0 39	20 10	2 19	22 24	0 17	7 10	2 23	9 49	0 29	8 9	1 52	26 33	11 34	22 11	21 59	25 39	15 42	0 49
W 4	15 55	14 36	5 1	18 21	1 46	22 24	0 36	20 19	2 19	22 22	0 17	7 12	2 23	9 50	0 29	8 8	1 52	26 34	11 34	22 9	21 59	25 39	15 42	0 49
T 5	15 38	9 44	5 0	17 46	1 46	22 20	0 33	20 28	2 19	22 20	0 17	7 13	2 23	9 51	0 29	8 8	1 52	26 34	11 34	22 8	21 58	25 40	15 42	0 49
F 6	15 20	4 24	4 45	17 10	1 46	22 16	0 29	20 37	2 20	22 19	0 17	7 15	2 23	9 52	0 29	8 8	1 52	26 35	11 34	22 6	21 58	25 41	15 42	0 49
S 7	15 2	1n13	4 15	16 32	1 46	22 11	0 26	20 46	2 20	22 17	0 17	7 16	2 23	9 52	0 29	8 8	1 52	26 35	11 34	22 5	21 57	25 41	15 42	0 49
S 8	14 43	6 53	3 31	15 53	1 45	22 5	0 23	20 55	2 20	22 15	0 17	7 18	2 23	9 53	0 29	8 8	1 52	26 36	11 34	22 4	21 57	25 42	15 42	0 50
M 9	14 25	12 20	2 34	15 13	1 43	21 59	0 20	21 3	2 20	22 13	0 17	7 20	2 24	9 54	0 29	8 7	1 52	26 36	11 34	22 4	21 56	25 42	15 42	0 50
T 10	14 6	17 18	1 27	14 32	1 41	21 52	0 17	21 12	2 20	22 12	0 18	7 22	2 24	9 55	0 29	8 7	1 52	26 37	11 34	22 4	21 56	25 43	15 42	0 50
W11	13 47	21 24	0 14	13 50	1 38	21 45	0 13	21 21	2 20	22 10	0 18	7 23	2 24	9 55	0 29	8 7	1 52	26 37	11 35	22 4	21 55	25 43	15 42	0 50
T 12	13 27	24 18	1n 1	13 8	1 34	21 37	0 10	21 29	2 20	22 8	0 18	7 25	2 24	9 56	0 29	8 7	1 52	26 38	11 35	22 4	21 55	25 44	15 42	0 50
F 13	13 8	25 39	2 13	12 25	1 31	21 28	0 7	21 38	2 20	22 6	0 18	7 27	2 24	9 57	0 29	8 6	1 52	26 38	11 35	22 4	21 54	25 44	15 42	0 50
S 14	12 48	25 13	3 18	11 41	1 27	21 19	0 4	21 46	2 20	22 4	0 18	7 29	2 24	9 58	0 29	8 6	1 52	26 38	11 35	22 3	21 54	25 45	15 42	0 50
S 15	12 28	23 1	4 9	10 57	1 22	21 9	0 1	21 55	2 20	22 3	0 18	7 30	2 25	9 59	0 29	8 6	1 52	26 39	11 35	22 2	21 53	25 46	15 42	0 51
M16	12 8	19 18	4 44	10 13	1 17	20 58	0n 2	22 3	2 20	22 1	0 18	7 32	2 25	10 0	0 29	8 5	1 53	26 39	11 35	22 0	21 53	25 46	15 42	0 51
T 17	11 48	14 26	5 0	9 28	1 12	20 47	0 5	22 11	2 19	21 59	0 18	7 34	2 25	10 0	0 29	8 5	1 53	26 40	11 35	21 59	21 52	25 47	15 42	0 51
W18	11 27	8 52	4 56	8 43	1 7	20 36	0 8	22 19	2 19	21 57	0 19	7 36	2 25	10 1	0 29	8 5	1 53	26 40	11 35	21 57	21 52	25 47	15 41	0 51
T 19	11 6	3 0	4 35	7 58	1 1	20 23	0 11	22 27	2 19	21 55	0 19	7 38	2 25	10 2	0 29	8 4	1 53	26 40	11 34	21 55	21 51	25 47	15 41	0 51
F 20	10 45	2s50	3 59	7 13	0 55	20 10	0 14	22 35	2 19	21 53	0 19	7 40	2 25	10 3	0 29	8 4	1 53	26 41	11 34	21 54	21 51	25 48	15 41	0 51
S 21	10 24	8 23	3 12	6 28	0 49	19 57	0 17	22 43	2 19	21 52	0 19	7 41	2 25	10 4	0 28	8 4	1 53	26 41	11 34	21 53	21 50	25 48	15 41	0 51
S 22	10 3	13 25	2 16	5 43	0 42	19 43	0 20	22 50	2 19	21 50	0 19	7 43	2 25	10 5	0 28	8 3	1 53	26 42	11 34	21 53	21 50	25 49	15 40	0 51
M23	9 42	17 47	1 15	4 58	0 36	19 28	0 23	22 58	2 19	21 48	0 19	7 45	2 26	10 6	0 28	8 3	1 53	26 42	11 34	21 52	21 49	25 49	15 40	0 52
T 24	9 20	21 19	0 12	4 13	0 29	19 13	0 26	23 5	2 19	21 46	0 19	7 47	2 26	10 7	0 28	8 2	1 53	26 42	11 34	21 52	21 49	25 50	15 40	0 52
W25	8 58	23 54	0s51	3 28	0 22	18 57	0 28	23 12	2 18	21 44	0 20	7 49	2 26	10 8	0 28	8 2	1 53	26 43	11 34	21 52	21 48	25 50	15 40	0 52
T 26	8 37	25 25	1 51	2 43	0 15	18 41	0 31	23 19	2 18	21 42	0 20	7 51	2 26	10 9	0 28	8 2	1 53	26 43	11 34	21 52	21 48	25 51	15 39	0 52
F 27	8 15	25 47	2 47	1 59	0 8	18 24	0 34	23 26	2 18	21 40	0 20	7 53	2 26	10 10	0 28	8 1	1 53	26 43	11 34	21 52	21 47	25 51	15 39	0 52
S 28	7 52	24 57	3 35	1 14	0 0	18 6	0 36	23 33	2 18	21 39	0 20	7 55	2 26	10 11	0 28	8 1	1 53	26 44	11 34	21 51	21 47	25 52	15 39	0 52
S 29	7 30	22 58	4 14	0 31	0s 7	17 48	0 39	23 40	2 17	21 37	0 20	7 56	2 26	10 12	0 28	8 0	1 53	26 44	11 34	21 49	21 46	25 52	15 38	0 52
M30	7 8	19 53	4 42	0s13	0 15	17 30	0 42	23 47	2 17	21 35	0 20	7 58	2 26	10 13	0 28	8 0	1 53	26 44	11 34	21 48	21 46	25 52	15 38	0 53
T 31	6n45	15s53	4s58	0s56	0s22	17n11	0n44	23s53	2s17	21n33	0n20	8s 0	2s26	10s14	0n28	7n59	1s53	26s44	11s34	21n46	21n45	25s53	15n37	0s53

Julian Day Number = 2105878.5, Delta T = 20m27s
Ecliptic obliquity = 23°33'46, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°32'52, Lahiri = 10°39'53 Julian Calendar 1 Aug. 1053 == Greg. Calendar 7 Aug. 1053

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1053
geocentric

SEPTEMBER 1053 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 3 7	13♍52'07	13♓32	3♎ 0	16♌ 1	7♐54	25♋19	15°R23	27♎39	25°R 2	17°R 9	7°R48	7♊55	7♉20	15°R 8	W 1
T 2	23 7 4	14°50'49	26°29	4°29	17°14	8°33	25°30	15♓18	27°42	25♈ 1	17♒ 8	7♊35	7°52	7°26	15♉ 7	T 2
F 3	23 11 0	15°49'34	9♈40	5°56	18°27	9°13	25°41	15°14	27°45	25° 0	17° 7	7°24	7°49	7°33	15° 6	F 3
S 4	23 14 57	16°48'21	23° 2	7°23	19°41	9°52	25°51	15° 9	27°48	24°59	17° 6	7°16	7°46	7°40	15° 4	S 4
S 5	23 18 53	17°47'10	6♉34	8°48	20°54	10°32	26° 2	15° 4	27°51	24°57	17° 5	7°10	7°43	7°46	15° 3	S 5
M 6	23 22 50	18°46'01	20°14	10°13	22° 7	11°12	26°12	15° 0	27°55	24°56	17° 4	7° 7	7°40	7°53	15° 2	M 6
T 7	23 26 47	19°44'55	4♊ 4	11°36	23°21	11°52	26°22	14°55	27°58	24°55	17° 3	7°D 6	7°36	8° 0	15° 1	T 7
W 8	23 30 43	20°43'51	18° 2	12°59	24°35	12°32	26°33	14°50	28° 1	24°54	17° 2	7°R 6	7°33	8° 6	14°59	W 8
T 9	23 34 40	21°42'50	2♋ 8	14°20	25°48	13°12	26°43	14°46	28° 4	24°52	17° 1	7° 6	7°30	8°13	14°58	T 9
F 10	23 38 36	22°41'51	16°21	15°40	27° 2	13°53	26°53	14°41	28° 7	24°51	17° 0	7° 4	7°27	8°20	14°56	F 10
S 11	23 42 33	23°40'54	0♌40	16°58	28°16	14°33	27° 3	14°37	28°10	24°50	16°59	7° 0	7°24	8°26	14°55	S 11
S 12	23 46 29	24°39'59	15° 1	18°15	29°30	15°14	27°12	14°32	28°14	24°48	16°58	6°53	7°21	8°33	14°53	S 12
M13	23 50 26	25°39'07	29°20	19°31	0♍43	15°55	27°22	14°27	28°17	24°47	16°57	6°43	7°17	8°40	14°51	M13
T 14	23 54 22	26°38'17	13♍32	20°46	1°57	16°36	27°32	14°23	28°20	24°45	16°56	6°32	7°14	8°46	14°49	T 14
W15	23 58 19	27°37'29	27°30	21°59	3°11	17°17	27°41	14°18	28°24	24°44	16°55	6°21	7°11	8°53	14°48	W15
T 16	0 2 16	28°36'44	11♎10	23°10	4°25	17°58	27°51	14°14	28°27	24°42	16°54	6°11	7° 8	9° 0	14°46	T 16
F 17	0 6 12	29°36'00	24°30	24°19	5°40	18°40	28° 0	14° 9	28°30	24°41	16°53	6° 2	7° 5	9° 6	14°44	F 17
S 18	0 10 9	0♎35'18	7♏27	25°27	6°54	19°21	28° 9	14° 5	28°34	24°39	16°52	5°56	7° 1	9°13	14°42	S 18
S 19	0 14 5	1°34'38	20° 4	26°32	8° 8	20° 3	28°18	14° 1	28°37	24°38	16°51	5°53	6°58	9°20	14°40	S 19
M20	0 18 2	2°34'00	2♐22	27°35	9°22	20°45	28°27	13°56	28°41	24°36	16°51	5°D51	6°55	9°26	14°38	M20
T 21	0 21 58	3°33'24	14°26	28°36	10°36	21°26	28°36	13°52	28°44	24°35	16°50	5°51	6°52	9°33	14°36	T 21
W22	0 25 55	4°32'50	26°19	29°34	11°51	22° 8	28°44	13°48	28°48	24°33	16°49	5°52	6°49	9°40	14°34	W22
T 23	0 29 51	5°32'17	8♑ 9	0♏29	13° 5	22°51	28°53	13°44	28°51	24°32	16°48	5°R52	6°46	9°46	14°31	T 23
F 24	0 33 48	6°31'47	19°59	1°21	14°19	23°33	29° 2	13°40	28°55	24°30	16°48	5°51	6°42	9°53	14°29	F 24
S 25	0 37 44	7°31'18	1♒56	2° 9	15°34	24°15	29°10	13°35	28°58	24°29	16°47	5°48	6°39	10° 0	14°27	S 25
S 26	0 41 41	8°30'51	14° 3	2°53	16°48	24°58	29°18	13°31	29° 2	24°27	16°46	5°43	6°36	10° 6	14°24	S 26
M27	0 45 38	9°30'26	26°25	3°34	18° 3	25°40	29°26	13°27	29° 5	24°25	16°45	5°35	6°33	10°13	14°22	M27
T 28	0 49 34	10°30'02	9♓ 4	4° 9	19°17	26°23	29°34	13°24	29° 9	24°24	16°45	5°26	6°30	10°20	14°20	T 28
W29	0 53 31	11°29'41	22° 2	4°39	20°32	27° 5	29°42	13°20	29°12	24°22	16°44	5°16	6°27	10°26	14°17	W29
T 30	0 57 27	12♎29'21	5♈19	5♏ 4	21♍46	27♐48	29♋49	13♓16	29♎16	24♈20	16♒43	5♊ 7	6♊23	10♉33	14♉15	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	6n23	11s 6	4s59	1s39	0s30	16n51	0n46	23s59	2s17	21n31	0n20	8s 2	2s26	10s15	0n28	7n59	1s53	26s45	11s34	21n43	21n45	25s53	15n37	0s53
T 2	6 0	5 45	4 44	2 21	0 37	16 31	0 49	24 5	2 16	21 29	0 21	8 4	2 26	10 16	0 28	7 59	1 53	26 45	11 34	21 41	21 44	25 54	15 36	0 53
F 3	5 37	0 3	4 15	3 3	0 45	16 11	0 51	24 11	2 16	21 27	0 21	8 6	2 26	10 18	0 28	7 58	1 53	26 45	11 34	21 39	21 44	25 54	15 36	0 53
S 4	5 14	5n44	3 31	3 45	0 53	15 50	0 53	24 17	2 16	21 26	0 21	8 8	2 26	10 19	0 28	7 58	1 53	26 46	11 33	21 38	21 43	25 54	15 36	0 53
S 5	4 51	11 21	2 34	4 26	1 0	15 29	0 56	24 23	2 15	21 24	0 21	8 10	2 26	10 20	0 28	7 57	1 54	26 46	11 33	21 37	21 43	25 55	15 35	0 53
M 6	4 28	16 29	1 28	5 6	1 8	15 7	0 58	24 28	2 15	21 22	0 21	8 11	2 26	10 21	0 28	7 57	1 54	26 46	11 33	21 37	21 42	25 55	15 35	0 54
T 7	4 5	20 48	0 16	5 46	1 15	14 45	1 0	24 33	2 15	21 20	0 21	8 13	2 26	10 22	0 28	7 56	1 54	26 46	11 33	21 37	21 42	25 55	15 34	0 54
W 8	3 42	23 59	0n58	6 25	1 23	14 22	1 2	24 38	2 14	21 18	0 21	8 15	2 26	10 23	0 28	7 56	1 54	26 47	11 33	21 37	21 41	25 56	15 33	0 54
T 9	3 18	25 41	2 8	7 4	1 30	13 59	1 4	24 43	2 14	21 17	0 22	8 17	2 26	10 24	0 28	7 55	1 54	26 47	11 33	21 36	21 40	25 56	15 33	0 54
F 10	2 55	25 44	3 12	7 42	1 38	13 36	1 6	24 48	2 14	21 15	0 22	8 19	2 27	10 25	0 28	7 54	1 54	26 47	11 33	21 36	21 40	25 56	15 32	0 54
S 11	2 31	24 5	4 4	8 19	1 45	13 12	1 8	24 52	2 13	21 13	0 22	8 20	2 27	10 27	0 28	7 54	1 54	26 47	11 33	21 35	21 39	25 57	15 32	0 54
S 12	2 8	20 53	4 41	8 55	1 52	12 48	1 9	24 56	2 13	21 11	0 22	8 22	2 27	10 28	0 28	7 53	1 54	26 47	11 33	21 34	21 39	25 57	15 31	0 54
M13	1 44	16 26	4 59	9 31	1 59	12 23	1 11	25 0	2 12	21 9	0 22	8 24	2 27	10 29	0 28	7 53	1 54	26 48	11 32	21 33	21 38	25 57	15 30	0 55
T 14	1 21	11 7	5 0	10 6	2 6	11 58	1 13	25 4	2 12	21 8	0 22	8 26	2 26	10 30	0 28	7 52	1 54	26 48	11 32	21 31	21 38	25 58	15 30	0 55
W15	0 57	5 18	4 42	10 40	2 13	11 33	1 14	25 8	2 12	21 6	0 23	8 27	2 26	10 31	0 28	7 52	1 54	26 48	11 32	21 29	21 37	25 58	15 29	0 55
T 16	0 33	0s38	4 8	11 12	2 20	11 7	1 16	25 11	2 11	21 4	0 23	8 29	2 26	10 33	0 28	7 51	1 54	26 48	11 32	21 27	21 37	25 58	15 28	0 55
F 17	0 10	6 25	3 21	11 44	2 26	10 41	1 17	25 15	2 11	21 3	0 23	8 31	2 26	10 34	0 28	7 51	1 54	26 48	11 32	21 26	21 36	25 59	15 28	0 55
S 18	0s14	11 47	2 25	12 15	2 32	10 15	1 19	25 18	2 10	21 1	0 23	8 33	2 26	10 35	0 28	7 50	1 54	26 48	11 32	21 25	21 36	25 59	15 27	0 55
S 19	0 38	16 31	1 23	12 44	2 38	9 48	1 20	25 21	2 10	20 59	0 23	8 34	2 26	10 36	0 28	7 49	1 54	26 48	11 31	21 24	21 35	25 59	15 26	0 55
M20	1 2	20 26	0 19	13 13	2 44	9 21	1 21	25 23	2 9	20 58	0 23	8 36	2 26	10 38	0 28	7 49	1 54	26 49	11 31	21 24	21 35	25 59	15 26	0 55
T 21	1 25	23 24	0s46	13 39	2 49	8 54	1 23	25 25	2 9	20 56	0 24	8 37	2 26	10 39	0 28	7 48	1 54	26 49	11 31	21 24	21 34	26 0	15 25	0 56
W22	1 49	25 18	1 47	14 5	2 54	8 27	1 24	25 28	2 8	20 54	0 24	8 39	2 26	10 40	0 28	7 48	1 54	26 49	11 31	21 24	21 34	26 0	15 24	0 56
T 23	2 13	26 2	2 44	14 29	2 58	7 59	1 25	25 30	2 8	20 53	0 24	8 41	2 26	10 41	0 28	7 47	1 54	26 49	11 31	21 24	21 33	26 0	15 23	0 56
F 24	2 36	25 35	3 33	14 51	3 2	7 31	1 26	25 31	2 7	20 51	0 24	8 42	2 26	10 43	0 28	7 46	1 54	26 49	11 31	21 24	21 32	26 0	15 23	0 56
S 25	3 0	23 58	4 14	15 11	3 6	7 3	1 27	25 33	2 7	20 50	0 24	8 44	2 26	10 44	0 28	7 46	1 54	26 49	11 30	21 23	21 32	26 1	15 22	0 56
S 26	3 24	21 13	4 44	15 29	3 9	6 35	1 28	25 34	2 6	20 48	0 24	8 45	2 26	10 45	0 28	7 45	1 54	26 49	11 30	21 22	21 31	26 1	15 21	0 56
M27	3 47	17 30	5 2	15 45	3 11	6 6	1 28	25 35	2 5	20 46	0 25	8 47	2 26	10 47	0 28	7 45	1 54	26 49	11 30	21 21	21 31	26 1	15 20	0 56
T 28	4 11	12 55	5 5	15 59	3 12	5 37	1 29	25 36	2 5	20 45	0 25	8 48	2 26	10 48	0 28	7 44	1 54	26 49	11 30	21 19	21 30	26 1	15 19	0 56
W29	4 34	7 39	4 53	16 10	3 13	5 9	1 30	25 36	2 4	20 43	0 25	8 49	2 26	10 49	0 28	7 43	1 54	26 49	11 30	21 17	21 30	26 1	15 18	0 57
T 30	4s58	1s56	4s25	16s18	3s13	4n40	1n30	25s36	2s 4	20n42	0n25	8s51	2s26	10s50	0n28	7n43	1s54	26s49	11s30	21n16	21n29	26s 2	15n18	0s57

Julian Day Number = 2105909.5, Delta T = 20m27s
Ecliptic obliquity = 23°33'47, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°32'56, Lahiri = 10°39'57 Julian Calendar 1 Sept. 1053 == Greg. Calendar 7 Sept. 1053

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1053
geocentric

OCTOBER 1053 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 1 24	13♎29'04	18♈51	5♏23	23♍ 1	28♐31	29♋57	13°R12	29♎20	24°R19	16°R43	4°R59	6♊20	10♑40	14°R12	F 1
S 2	1 5 20	14°28'48	2♉38	5°34	24°16	29°14	0♌ 4	13♓ 9	29°23	24♈17	16♒42	4♊52	6°17	10°46	14♉10	S 2
S 3	1 9 17	15°28'35	16°36	5°R39	25°31	29°57	0°12	13° 5	29°27	24°15	16°42	4°49	6°14	10°53	14° 7	S 3
M 4	1 13 13	16°28'24	0♊40	5°35	26°45	0♑40	0°19	13° 1	29°31	24°14	16°41	4°D47	6°11	11° 0	14° 4	M 4
T 5	1 17 10	17°28'15	14°48	5°23	28° 0	1°24	0°26	12°58	29°34	24°12	16°41	4°48	6° 7	11° 6	14° 2	T 5
W 6	1 21 7	18°28'08	28°58	5° 2	29°15	2° 7	0°33	12°55	29°38	24°10	16°40	4°49	6° 4	11°13	13°59	W 6
T 7	1 25 3	19°28'04	13♋ 8	4°33	0♎30	2°50	0°39	12°51	29°42	24° 9	16°40	4°R50	6° 1	11°20	13°56	T 7
F 8	1 29 0	20°28'02	27°16	3°54	1°45	3°34	0°46	12°48	29°45	24° 7	16°39	4°50	5°58	11°26	13°53	F 8
S 9	1 32 56	21°28'02	11♌20	3° 5	3° 0	4°18	0°52	12°45	29°49	24° 5	16°39	4°48	5°55	11°33	13°51	S 9
S 10	1 36 53	22°28'05	25°20	2° 9	4°15	5° 1	0°58	12°42	29°53	24° 4	16°38	4°44	5°52	11°40	13°48	S 10
M11	1 40 49	23°28'09	9♍13	1° 4	5°30	5°45	1° 5	12°39	29°57	24° 2	16°38	4°39	5°48	11°46	13°45	M11
T 12	1 44 46	24°28'16	22°57	29♎54	6°45	6°29	1°10	12°36	0♏ 0	24° 0	16°38	4°32	5°45	11°53	13°42	T 12
W13	1 48 42	25°28'24	6♎28	28°38	8° 0	7°13	1°16	12°33	0° 4	23°59	16°37	4°25	5°42	12° 0	13°39	W13
T 14	1 52 39	26°28'35	19°46	27°20	9°15	7°57	1°22	12°31	0° 8	23°57	16°37	4°19	5°39	12° 6	13°36	T 14
F 15	1 56 36	27°28'47	2♏47	26° 2	10°30	8°41	1°27	12°28	0°12	23°55	16°37	4°14	5°36	12°13	13°33	F 15
S 16	2 0 32	28°29'02	15°32	24°46	11°45	9°25	1°33	12°25	0°15	23°54	16°37	4°10	5°32	12°20	13°30	S 16
S 17	2 4 29	29°29'18	28° 0	23°35	13° 0	10° 9	1°38	12°23	0°19	23°52	16°36	4° 9	5°29	12°26	13°27	S 17
M18	2 8 25	0♏29'36	10♐14	22°31	14°15	10°53	1°43	12°21	0°23	23°50	16°36	4°D 9	5°26	12°33	13°24	M18
T 19	2 12 22	1°29'55	22°16	21°35	15°31	11°38	1°47	12°18	0°27	23°49	16°36	4°10	5°23	12°40	13°21	T 19
W20	2 16 18	2°30'16	4♑ 9	20°50	16°46	12°22	1°52	12°16	0°30	23°47	16°36	4°12	5°20	12°46	13°18	W20
T 21	2 20 15	3°30'39	15°58	20°16	18° 1	13° 6	1°56	12°14	0°34	23°45	16°36	4°13	5°17	12°53	13°15	T 21
F 22	2 24 11	4°31'03	27°49	19°54	19°16	13°51	2° 1	12°12	0°38	23°44	16°36	4°15	5°13	13° 0	13°12	F 22
S 23	2 28 8	5°31'28	9♒44	19°D43	20°32	14°35	2° 5	12°10	0°42	23°42	16°36	4°R15	5°10	13° 6	13° 9	S 23
S 24	2 32 5	6°31'55	21°51	19°44	21°47	15°20	2° 9	12° 9	0°45	23°40	16°35	4°14	5° 7	13°13	13° 6	S 24
M25	2 36 1	7°32'23	4♓13	19°55	23° 2	16° 5	2°12	12° 7	0°49	23°39	16°D35	4°11	5° 4	13°20	13° 2	M25
T 26	2 39 58	8°32'52	16°54	20°17	24°17	16°49	2°16	12° 5	0°53	23°37	16°35	4° 8	5° 1	13°26	12°59	T 26
W27	2 43 54	9°33'23	29°57	20°48	25°33	17°34	2°19	12° 4	0°56	23°35	16°36	4° 4	4°58	13°33	12°56	W27
T 28	2 47 51	10°33'55	13♈24	21°27	26°48	18°19	2°22	12° 3	1° 0	23°34	16°36	4° 0	4°54	13°40	12°53	T 28
F 29	2 51 47	11°34'29	27°12	22°14	28° 3	19° 4	2°25	12° 1	1° 4	23°32	16°36	3°57	4°51	13°46	12°50	F 29
S 30	2 55 44	12°35'04	11♉20	23° 7	29°19	19°49	2°28	12° 0	1° 8	23°31	16°36	3°55	4°48	13°53	12°47	S 30
S 31	2 59 40	13♏35'41	25♉44	24♎ 6	0♏34	20♑33	2♌31	11♓59	1♏11	23♈29	16♒36	3♊53	4♊45	14♑ 0	12♉44	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	5s21	4n 1	3s41	16s23	3s12	4n10	1n31	25s36	2s 3	20n41	0n25	8s52	2s26	10s52	0n28	7n42	1s54	26s49	11s29	21n14	21n29	26s 2	15n17	0s57	F 1
S 2	5 44	9 53	2 44	16 25	3 9	3 41	1 31	25 36	2 3	20 39	0 25	8 54	2 25	10 53	0 28	7 42	1 54	26 49	11 29	21 13	21 28	26 2	15 16	0 57	S 2
S 3	6 7	15 21	1 37	16 23	3 6	3 11	1 31	25 36	2 2	20 38	0 26	8 55	2 25	10 54	0 28	7 41	1 54	26 49	11 29	21 12	21 28	26 2	15 15	0 57	S 3
M 4	6 31	20 2	0 22	16 17	3 1	2 42	1 32	25 35	2 1	20 36	0 26	8 56	2 25	10 56	0 28	7 40	1 54	26 49	11 29	21 12	21 27	26 2	15 14	0 57	M 4
T 5	6 54	23 35	0n54	16 7	2 55	2 12	1 32	25 34	2 1	20 35	0 26	8 57	2 25	10 57	0 28	7 40	1 54	26 49	11 28	21 12	21 26	26 2	15 13	0 57	T 5
W 6	7 17	25 40	2 7	15 53	2 47	1 42	1 32	25 33	2 0	20 34	0 26	8 59	2 25	10 58	0 28	7 39	1 54	26 49	11 28	21 12	21 26	26 3	15 12	0 57	W 6
T 7	7 39	26 6	3 12	15 34	2 37	1 12	1 32	25 31	1 59	20 32	0 26	9 0	2 25	11 0	0 28	7 38	1 54	26 49	11 28	21 13	21 25	26 3	15 11	0 58	T 7
F 8	8 2	24 50	4 6	15 10	2 26	0 42	1 32	25 30	1 59	20 31	0 26	9 1	2 25	11 1	0 28	7 38	1 54	26 49	11 28	21 13	21 25	26 3	15 10	0 58	F 8
S 9	8 25	22 1	4 44	14 41	2 12	0 12	1 32	25 28	1 58	20 30	0 27	9 2	2 25	11 2	0 28	7 37	1 54	26 49	11 28	21 12	21 24	26 3	15 9	0 58	S 9
S 10	8 47	17 55	5 5	14 7	1 57	0s18	1 32	25 25	1 57	20 29	0 27	9 3	2 24	11 4	0 28	7 37	1 54	26 49	11 27	21 12	21 24	26 3	15 8	0 58	S 10
M11	9 10	12 55	5 8	13 29	1 41	0 48	1 32	25 23	1 57	20 28	0 27	9 4	2 24	11 5	0 28	7 36	1 54	26 49	11 27	21 11	21 23	26 3	15 7	0 58	M11
T 12	9 32	7 18	4 54	12 47	1 23	1 18	1 31	25 20	1 56	20 27	0 27	9 5	2 24	11 6	0 28	7 35	1 54	26 49	11 27	21 9	21 23	26 3	15 6	0 58	T 12
W13	9 54	1 26	4 23	12 2	1 3	1 48	1 31	25 17	1 55	20 25	0 27	9 6	2 24	11 8	0 27	7 35	1 54	26 48	11 27	21 8	21 22	26 3	15 6	0 58	W13
T 14	10 16	4s24	3 38	11 15	0 43	2 18	1 30	25 14	1 55	20 24	0 28	9 7	2 24	11 9	0 27	7 34	1 54	26 48	11 27	21 7	21 21	26 4	15 5	0 58	T 14
F 15	10 38	9 57	2 43	10 27	0 22	2 48	1 30	25 10	1 54	20 23	0 28	9 8	2 24	11 10	0 27	7 33	1 54	26 48	11 26	21 6	21 21	26 4	15 4	0 58	F 15
S 16	10 59	14 59	1 40	9 40	0 2	3 18	1 29	25 7	1 53	20 22	0 28	9 9	2 24	11 11	0 27	7 33	1 54	26 48	11 26	21 5	21 20	26 4	15 3	0 59	S 16
S 17	11 21	19 16	0 33	8 55	0n19	3 48	1 29	25 2	1 52	20 21	0 28	9 9	2 23	11 13	0 27	7 32	1 54	26 48	11 26	21 5	21 20	26 4	15 2	0 59	S 17
M18	11 42	22 39	0s33	8 13	0 38	4 18	1 28	24 58	1 52	20 21	0 28	9 10	2 23	11 14	0 27	7 32	1 54	26 48	11 26	21 5	21 19	26 4	15 0	0 59	M18
T 19	12 3	24 58	1 38	7 36	0 56	4 48	1 27	24 54	1 51	20 20	0 29	9 11	2 23	11 15	0 27	7 31	1 54	26 48	11 25	21 5	21 19	26 4	14 59	0 59	T 19
W20	12 24	26 7	2 37	7 3	1 13	5 17	1 26	24 49	1 50	20 19	0 29	9 11	2 23	11 17	0 27	7 30	1 54	26 47	11 25	21 6	21 18	26 4	14 58	0 59	W20
T 21	12 45	26 4	3 29	6 37	1 27	5 47	1 26	24 44	1 50	20 18	0 29	9 12	2 23	11 18	0 27	7 30	1 54	26 47	11 25	21 6	21 17	26 4	14 57	0 59	T 21
F 22	13 6	24 50	4 13	6 16	1 40	6 17	1 25	24 38	1 49	20 17	0 29	9 13	2 23	11 19	0 27	7 29	1 54	26 47	11 25	21 6	21 17	26 4	14 56	0 59	F 22
S 23	13 26	22 29	4 46	6 2	1 51	6 46	1 24	24 33	1 48	20 17	0 29	9 13	2 22	11 21	0 27	7 29	1 54	26 47	11 24	21 6	21 16	26 4	14 55	0 59	S 23
S 24	13 46	19 8	5 7	5 54	2 1	7 15	1 23	24 27	1 47	20 16	0 30	9 14	2 22	11 22	0 27	7 28	1 54	26 47	11 24	21 6	21 16	26 4	14 54	0 59	S 24
M25	14 6	14 53	5 14	5 51	2 8	7 44	1 21	24 21	1 46	20 15	0 30	9 14	2 22	11 23	0 27	7 27	1 54	26 46	11 24	21 6	21 15	26 4	14 53	1 0	M25
T 26	14 26	9 53	5 6	5 54	2 14	8 13	1 20	24 15	1 46	20 15	0 30	9 15	2 22	11 25	0 27	7 27	1 54	26 46	11 24	21 5	21 15	26 4	14 52	1 0	T 26
W27	14 45	4 20	4 43	6 2	2 18	8 42	1 19	24 8	1 45	20 14	0 30	9 15	2 22	11 26	0 27	7 26	1 54	26 46	11 23	21 4	21 14	26 4	14 51	1 0	W27
T 28	15 4	1n35	4 3	6 14	2 21	9 11	1 18	24 1	1 44	20 14	0 30	9 15	2 22	11 27	0 27	7 26	1 54	26 46	11 23	21 3	21 13	26 4	14 50	1 0	T 28
F 29	15 23	7 36	3 9	6 30	2 22	9 39	1 16	23 54	1 43	20 13	0 31	9 16	2 21	11 29	0 27	7 25	1 54	26 45	11 23	21 3	21 13	26 4	14 49	1 0	F 29
S 30	15 42	13 23	2 1	6 50	2 22	10 7	1 15	23 47	1 43	20 13	0 31	9 16	2 21	11 30	0 27	7 25	1 54	26 45	11 23	21 2	21 12	26 4	14 48	1 0	S 30
S 31	16s 0	18n34	0s45	7s12	2n21	10s35	1n13	23s39	1s42	20n12	0n31	9s16	2s21	11s31	0n27	7n24	1s54	26s45	11s22	21n 2	21n12	26s 4	14n47	1s 0	S 31

Julian Day Number = 2105939.5, Delta T = 20m27s
Ecliptic obliquity = 23°33'47, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°33'01, Lahiri = 10°40'01 Julian Calendar 1 Oct. 1053 == Greg. Calendar 7 Oct. 1053

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1053
geocentric

NOVEMBER 1053 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 3 37	14♏36'19	10♊16	25♎10	1♏50	21♑18	2♌33	11°R58	1♏15	23°R27	16♒36	3°D53	4♊42	14♑ 6	12°R40	M 1
T 2	3 7 34	15°36'59	24°52	26°19	3° 5	22° 3	2°36	11♓57	1°19	23♈26	16°36	3♊54	4°38	14°13	12♉37	T 2
W 3	3 11 30	16°37'41	9♋26	27°31	4°20	22°48	2°38	11°57	1°22	23°24	16°37	3°55	4°35	14°20	12°34	W 3
T 4	3 15 27	17°38'24	23°53	28°47	5°36	23°33	2°40	11°56	1°26	23°23	16°37	3°57	4°32	14°27	12°31	T 4
F 5	3 19 23	18°39'09	8♌10	0♏ 5	6°51	24°19	2°41	11°56	1°30	23°21	16°37	3°58	4°29	14°33	12°28	F 5
S 6	3 23 20	19°39'55	22°13	1°26	8° 7	25° 4	2°43	11°55	1°33	23°20	16°37	3°R58	4°26	14°40	12°25	S 6
S 7	3 27 16	20°40'43	6♍ 2	2°48	9°22	25°49	2°44	11°55	1°37	23°18	16°38	3°57	4°23	14°47	12°22	S 7
M 8	3 31 13	21°41'33	19°37	4°12	10°38	26°34	2°45	11°55	1°40	23°17	16°38	3°56	4°19	14°53	12°19	M 8
T 9	3 35 9	22°42'24	2♎57	5°38	11°53	27°19	2°46	11°D55	1°44	23°16	16°38	3°55	4°16	15° 0	12°15	T 9
W10	3 39 6	23°43'17	16° 4	7° 5	13° 9	28° 4	2°47	11°55	1°47	23°14	16°39	3°53	4°13	15° 7	12°12	W10
T 11	3 43 3	24°44'10	28°57	8°33	14°24	28°50	2°47	11°55	1°51	23°13	16°39	3°52	4°10	15°13	12° 9	T 11
F 12	3 46 59	25°45'06	11♏36	10° 1	15°40	29°35	2°48	11°55	1°55	23°11	16°40	3°51	4° 7	15°20	12° 6	F 12
S 13	3 50 56	26°46'02	24° 3	11°31	16°55	0♒20	2°R48	11°55	1°58	23°10	16°40	3°50	4° 4	15°27	12° 3	S 13
S 14	3 54 52	27°47'00	6♐19	13° 1	18°11	1° 6	2°48	11°56	2° 2	23° 9	16°41	3°D50	4° 0	15°33	12° 0	S 14
M15	3 58 49	28°47'58	18°25	14°31	19°26	1°51	2°47	11°57	2° 5	23° 7	16°41	3°51	3°57	15°40	11°57	M15
T 16	4 2 45	29°48'58	0♑22	16° 2	20°42	2°37	2°47	11°57	2° 8	23° 6	16°42	3°51	3°54	15°47	11°54	T 16
W17	4 6 42	0♐49'58	12°14	17°34	21°57	3°22	2°46	11°58	2°12	23° 5	16°42	3°51	3°51	15°53	11°51	W17
T 18	4 10 38	1°50'59	24° 3	19° 5	23°13	4° 7	2°45	11°59	2°15	23° 4	16°43	3°52	3°48	16° 0	11°48	T 18
F 19	4 14 35	2°52'01	5♒53	20°37	24°28	4°53	2°44	12° 0	2°19	23° 2	16°44	3°52	3°44	16° 7	11°45	F 19
S 20	4 18 32	3°53'04	17°47	22° 9	25°44	5°38	2°43	12° 1	2°22	23° 1	16°44	3°R52	3°41	16°13	11°43	S 20
S 21	4 22 28	4°54'07	29°51	23°41	26°59	6°24	2°41	12° 2	2°25	23° 0	16°45	3°D52	3°38	16°20	11°40	S 21
M22	4 26 25	5°55'10	12♓ 9	25°13	28°15	7° 9	2°40	12° 4	2°29	22°59	16°46	3°52	3°35	16°27	11°37	M22
T 23	4 30 21	6°56'14	24°45	26°46	29°30	7°55	2°38	12° 5	2°32	22°58	16°46	3°52	3°32	16°33	11°34	T 23
W24	4 34 18	7°57'19	7♈44	28°19	0♐46	8°40	2°36	12° 7	2°35	22°57	16°47	3°52	3°29	16°40	11°31	W24
T 25	4 38 14	8°58'24	21° 8	29°51	2° 2	9°26	2°34	12° 8	2°38	22°56	16°48	3°53	3°25	16°47	11°29	T 25
F 26	4 42 11	9°59'29	4♉58	1♐24	3°17	10°12	2°31	12°10	2°41	22°55	16°49	3°53	3°22	16°53	11°26	F 26
S 27	4 46 7	11° 0'35	19°14	2°57	4°33	10°57	2°29	12°12	2°45	22°54	16°50	3°54	3°19	17° 0	11°23	S 27
S 28	4 50 4	12° 1'42	3♊53	4°31	5°48	11°43	2°26	12°14	2°48	22°53	16°50	3°R54	3°16	17° 7	11°21	S 28
M29	4 54 1	13° 2'49	18°47	6° 4	7° 4	12°28	2°23	12°16	2°51	22°52	16°51	3°54	3°13	17°14	11°18	M29
T 30	4 57 57	14♐ 3'56	3♋49	7♐38	8♐19	13♒14	2♌20	12♓18	2♏54	22♈51	16♒52	3♊53	3♊10	17♑20	11♉16	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16s18	22n41	0n35	7s37	2n20	11s 3	1n12	23s32	1s41	20n12	0n31	9s16	2s21	11s32	0n27	7n23	1s54	26s45	11s22	21n 2	21n11	26s 4	14n46	1s 0
T 2	16 36	25 21	1 53	8 5	2 17	11 30	1 10	23 24	1 40	20 12	0 31	9 17	2 21	11 34	0 27	7 23	1 54	26 44	11 22	21 2	21 11	26 4	14 45	1 0
W 3	16 54	26 17	3 4	8 34	2 14	11 57	1 9	23 15	1 39	20 11	0 32	9 17	2 20	11 35	0 27	7 22	1 54	26 44	11 22	21 3	21 10	26 4	14 44	1 0
T 4	17 11	25 25	4 2	9 4	2 10	12 24	1 7	23 7	1 38	20 11	0 32	9 17	2 20	11 36	0 27	7 22	1 54	26 44	11 21	21 3	21 9	26 4	14 43	1 0
F 5	17 28	22 54	4 45	9 36	2 6	12 51	1 5	22 58	1 38	20 11	0 32	9 17	2 20	11 38	0 27	7 21	1 54	26 43	11 21	21 3	21 9	26 4	14 42	1 1
S 6	17 44	19 3	5 10	10 9	2 1	13 17	1 4	22 49	1 37	20 11	0 32	9 17	2 20	11 39	0 27	7 21	1 54	26 43	11 21	21 3	21 8	26 4	14 41	1 1
S 7	18 1	14 14	5 16	10 42	1 55	13 43	1 2	22 40	1 36	20 11	0 32	9 17	2 20	11 40	0 27	7 20	1 54	26 43	11 21	21 3	21 8	26 3	14 40	1 1
M 8	18 17	8 48	5 5	11 16	1 50	14 8	1 0	22 30	1 35	20 11	0 33	9 17	2 19	11 41	0 27	7 20	1 54	26 42	11 21	21 3	21 7	26 3	14 39	1 1
T 9	18 33	3 3	4 37	11 50	1 44	14 34	0 58	22 21	1 34	20 11	0 33	9 16	2 19	11 43	0 27	7 19	1 54	26 42	11 20	21 2	21 6	26 3	14 38	1 1
W10	18 48	2s44	3 55	12 25	1 37	14 58	0 56	22 11	1 33	20 11	0 33	9 16	2 19	11 44	0 27	7 19	1 54	26 42	11 20	21 2	21 6	26 3	14 37	1 1
T 11	19 3	8 19	3 2	12 59	1 31	15 23	0 54	22 1	1 33	20 11	0 33	9 16	2 19	11 45	0 27	7 18	1 54	26 41	11 20	21 2	21 5	26 3	14 36	1 1
F 12	19 18	13 29	2 0	13 34	1 24	15 47	0 52	21 50	1 32	20 11	0 34	9 16	2 19	11 46	0 27	7 18	1 54	26 41	11 20	21 2	21 5	26 3	14 35	1 1
S 13	19 32	18 1	0 54	14 8	1 18	16 11	0 50	21 40	1 31	20 11	0 34	9 15	2 18	11 47	0 27	7 17	1 54	26 41	11 19	21 2	21 4	26 3	14 34	1 1
S 14	19 46	21 42	0s14	14 42	1 11	16 34	0 48	21 29	1 30	20 11	0 34	9 15	2 18	11 49	0 27	7 17	1 54	26 40	11 19	21 2	21 3	26 3	14 33	1 1
M15	20 0	24 23	1 20	15 16	1 4	16 57	0 46	21 18	1 29	20 12	0 34	9 15	2 18	11 50	0 27	7 16	1 54	26 40	11 19	21 2	21 3	26 3	14 32	1 1
T 16	20 13	25 56	2 22	15 49	0 57	17 19	0 44	21 7	1 28	20 12	0 34	9 14	2 18	11 51	0 27	7 16	1 54	26 39	11 19	21 2	21 2	26 2	14 31	1 1
W17	20 26	26 16	3 18	16 22	0 50	17 41	0 42	20 55	1 27	20 12	0 35	9 14	2 18	11 52	0 27	7 16	1 54	26 39	11 18	21 2	21 2	26 2	14 30	1 1
T 18	20 38	25 25	4 4	16 54	0 42	18 2	0 39	20 43	1 26	20 13	0 35	9 13	2 17	11 53	0 27	7 15	1 54	26 39	11 18	21 2	21 1	26 2	14 29	1 1
F 19	20 50	23 26	4 41	17 26	0 35	18 23	0 37	20 32	1 26	20 13	0 35	9 12	2 17	11 55	0 27	7 15	1 53	26 38	11 18	21 2	21 0	26 2	14 28	1 2
S 20	21 2	20 25	5 5	17 57	0 28	18 44	0 35	20 20	1 25	20 14	0 35	9 12	2 17	11 56	0 27	7 14	1 53	26 38	11 18	21 2	21 0	26 2	14 27	1 2
S 21	21 13	16 31	5 17	18 27	0 21	19 3	0 33	20 7	1 24	20 14	0 36	9 11	2 17	11 57	0 27	7 14	1 53	26 37	11 17	21 2	20 59	26 2	14 26	1 2
M22	21 24	11 52	5 14	18 57	0 14	19 23	0 30	19 55	1 23	20 15	0 36	9 10	2 17	11 58	0 27	7 14	1 53	26 37	11 17	21 2	20 59	26 1	14 25	1 2
T 23	21 35	6 38	4 57	19 25	0 7	19 42	0 28	19 42	1 22	20 15	0 36	9 10	2 16	11 59	0 27	7 13	1 53	26 36	11 17	21 2	20 58	26 1	14 24	1 2
W24	21 45	0 57	4 24	19 53	0 0	20 0	0 26	19 29	1 21	20 16	0 36	9 9	2 16	12 0	0 27	7 13	1 53	26 36	11 17	21 2	20 57	26 1	14 23	1 2
T 25	21 55	4n57	3 36	20 20	0s 7	20 17	0 23	19 16	1 20	20 17	0 36	9 8	2 16	12 1	0 27	7 12	1 53	26 35	11 17	21 2	20 57	26 1	14 22	1 2
F 26	22 4	10 50	2 34	20 46	0 14	20 35	0 21	19 3	1 19	20 18	0 37	9 7	2 16	12 2	0 27	7 12	1 53	26 35	11 16	21 2	20 56	26 1	14 21	1 2
S 27	22 13	16 20	1 21	21 11	0 20	20 51	0 19	18 50	1 18	20 18	0 37	9 6	2 16	12 3	0 27	7 12	1 53	26 35	11 16	21 2	20 56	26 0	14 21	1 2
S 28	22 21	21 2	0 0	21 35	0 27	21 7	0 16	18 36	1 18	20 19	0 37	9 5	2 15	12 5	0 27	7 11	1 53	26 34	11 16	21 2	20 55	26 0	14 20	1 2
M29	22 29	24 27	1n22	21 59	0 33	21 22	0 14	18 23	1 17	20 20	0 37	9 4	2 15	12 6	0 27	7 11	1 53	26 34	11 16	21 2	20 54	26 0	14 19	1 2
T 30	22s36	26n 9	2n38	22s21	0s40	21s37	0n12	18s 9	1s16	20n21	0n38	9s 3	2s15	12s 7	0n27	7n11	1s53	26s33	11s16	21n 2	20n54	26s 0	14n18	1s 2

Julian Day Number = 2105970.5, Delta T = 20m26s
Ecliptic obliquity = 23°33'47, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°33'05, Lahiri = 10°40'05 Julian Calendar 1 Nov. 1053 == Greg. Calendar 7 Nov. 1053

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1053
geocentric

DECEMBER 1053 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 1 54	15♐ 5'04	18♋51	9♐11	9♐35	13♒59	2°R16	12♓20	2♏57	22°R50	16♒53	3°R52	3♊ 6	17♉27	11°R13	W 1
T 2	5 5 50	16° 6'13	3♌43	10°45	10°50	14°45	2♌13	12°23	3° 0	22♈49	16°54	3♊50	3° 3	17°34	11♉11	T 2
F 3	5 9 47	17° 7'23	18°19	12°19	12° 6	15°30	2° 9	12°25	3° 3	22°48	16°55	3°49	3° 0	17°40	11° 8	F 3
S 4	5 13 43	18° 8'33	2♍34	13°53	13°21	16°16	2° 5	12°28	3° 6	22°47	16°56	3°48	2°57	17°47	11° 6	S 4
S 5	5 17 40	19° 9'43	16°27	15°28	14°37	17° 1	2° 1	12°31	3° 9	22°47	16°57	3°D47	2°54	17°54	11° 4	S 5
M 6	5 21 37	20°10'54	29°57	17° 3	15°52	17°47	1°57	12°33	3°12	22°46	16°58	3°47	2°50	18° 0	11° 1	M 6
T 7	5 25 33	21°12'06	13♎ 5	18°38	17° 8	18°33	1°52	12°36	3°14	22°45	16°59	3°48	2°47	18° 7	10°59	T 7
W 8	5 29 30	22°13'18	25°55	20°13	18°23	19°18	1°47	12°39	3°17	22°44	17° 0	3°50	2°44	18°14	10°57	W 8
T 9	5 33 26	23°14'31	8♏30	21°48	19°39	20° 4	1°43	12°42	3°20	22°44	17° 1	3°51	2°41	18°20	10°55	T 9
F 10	5 37 23	24°15'44	20°51	23°24	20°54	20°49	1°38	12°46	3°23	22°43	17° 2	3°53	2°38	18°27	10°53	F 10
S 11	5 41 19	25°16'57	3♐ 2	25° 0	22°10	21°35	1°33	12°49	3°25	22°42	17° 4	3°R53	2°35	18°34	10°51	S 11
S 12	5 45 16	26°18'10	15° 5	26°37	23°26	22°20	1°27	12°52	3°28	22°42	17° 5	3°53	2°31	18°40	10°49	S 12
M13	5 49 12	27°19'24	27° 1	28°14	24°41	23° 6	1°22	12°56	3°31	22°41	17° 6	3°51	2°28	18°47	10°47	M13
T 14	5 53 9	28°20'37	8♑54	29°51	25°57	23°51	1°16	12°59	3°33	22°41	17° 7	3°48	2°25	18°54	10°45	T 14
W15	5 57 6	29°21'51	20°44	1♑28	27°12	24°37	1°10	13° 3	3°36	22°40	17° 8	3°44	2°22	19° 1	10°43	W15
T 16	6 1 2	0♑23'04	2♒34	3° 6	28°28	25°22	1° 4	13° 7	3°38	22°40	17°10	3°39	2°19	19° 7	10°41	T 16
F 17	6 4 59	1°24'17	14°25	4°44	29°43	26° 8	0°58	13°11	3°41	22°40	17°11	3°34	2°16	19°14	10°40	F 17
S 18	6 8 55	2°25'29	26°21	6°23	0♑59	26°53	0°52	13°14	3°43	22°39	17°12	3°29	2°12	19°21	10°38	S 18
S 19	6 12 52	3°26'41	8♓25	8° 2	2°14	27°39	0°46	13°18	3°45	22°39	17°13	3°25	2° 9	19°27	10°36	S 19
M20	6 16 48	4°27'53	20°40	9°41	3°30	28°24	0°39	13°23	3°48	22°39	17°15	3°23	2° 6	19°34	10°35	M20
T 21	6 20 45	5°29'04	3♈10	11°21	4°45	29°10	0°33	13°27	3°50	22°38	17°16	3°D22	2° 3	19°41	10°33	T 21
W22	6 24 41	6°30'14	16° 0	13° 1	6° 0	29°55	0°26	13°31	3°52	22°38	17°17	3°22	2° 0	19°47	10°32	W22
T 23	6 28 38	7°31'24	29°14	14°42	7°16	0♓40	0°19	13°35	3°54	22°38	17°19	3°23	1°56	19°54	10°31	T 23
F 24	6 32 35	8°32'33	12♉55	16°22	8°31	1°26	0°13	13°40	3°56	22°38	17°20	3°25	1°53	20° 1	10°29	F 24
S 25	6 36 31	9°33'41	27° 4	18° 3	9°47	2°11	0° 5	13°44	3°58	22°38	17°21	3°R26	1°50	20° 7	10°28	S 25
S 26	6 40 28	10°34'49	11♊39	19°44	11° 2	2°56	29♋58	13°49	4° 0	22°38	17°23	3°26	1°47	20°14	10°27	S 26
M27	6 44 24	11°35'56	26°38	21°25	12°18	3°42	29°51	13°54	4° 2	22°38	17°24	3°24	1°44	20°21	10°26	M27
T 28	6 48 21	12°37'02	11♋51	23° 7	13°33	4°27	29°44	13°59	4° 4	22°D38	17°26	3°20	1°41	20°27	10°25	T 28
W29	6 52 17	13°38'08	27°10	24°48	14°48	5°12	29°36	14° 3	4° 6	22°38	17°27	3°15	1°37	20°34	10°24	W29
T 30	6 56 14	14°39'13	12♌23	26°29	16° 4	5°57	29°29	14° 8	4° 8	22°38	17°29	3° 8	1°34	20°41	10°23	T 30
F 31	7 0 11	15♑40'18	27♌20	28♑10	17♑19	6♓43	29♋21	14♓13	4♏10	22♈38	17♒30	3♊ 2	1♊31	20♑48	10♉22	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s43	25n56	3n44	22s42	0s46	21s51	0n 9	17s55	1s15	20n22	0n38	9s 2	2s15	12s 8	0n28	7n11	1s53	26s33	11s15	21n 2	20n53	25s59	14n17	1s 2
T 2	22 50	23 51	4 34	23 2	0 52	22 4	0 7	17 40	1 14	20 23	0 38	9 1	2 15	12 9	0 28	7 10	1 53	26 32	11 15	21 2	20 53	25 59	14 16	1 2
F 3	22 56	20 15	5 5	23 20	0 58	22 17	0 4	17 26	1 13	20 24	0 38	9 0	2 14	12 10	0 28	7 10	1 53	26 32	11 15	21 1	20 52	25 59	14 16	1 2
S 4	23 2	15 31	5 17	23 38	1 3	22 29	0 2	17 11	1 12	20 25	0 38	8 59	2 14	12 11	0 28	7 10	1 53	26 31	11 15	21 1	20 51	25 58	14 15	1 2
S 5	23 7	10 7	5 9	23 55	1 9	22 41	0s 0	16 57	1 11	20 26	0 39	8 58	2 14	12 12	0 28	7 10	1 53	26 31	11 15	21 1	20 51	25 58	14 14	1 2
M 6	23 12	4 22	4 44	24 10	1 14	22 51	0 3	16 42	1 10	20 28	0 39	8 56	2 14	12 13	0 28	7 9	1 53	26 30	11 14	21 1	20 50	25 58	14 13	1 3
T 7	23 16	1s26	4 5	24 24	1 20	23 1	0 5	16 27	1 9	20 29	0 39	8 55	2 14	12 14	0 28	7 9	1 53	26 30	11 14	21 1	20 49	25 58	14 13	1 3
W 8	23 20	7 2	3 15	24 36	1 25	23 11	0 8	16 12	1 8	20 30	0 39	8 54	2 13	12 15	0 28	7 9	1 53	26 29	11 14	21 1	20 49	25 57	14 12	1 3
T 9	23 23	12 16	2 16	24 48	1 29	23 19	0 10	15 56	1 8	20 31	0 39	8 52	2 13	12 15	0 28	7 9	1 52	26 28	11 14	21 2	20 48	25 57	14 11	1 3
F 10	23 26	16 55	1 11	24 58	1 34	23 27	0 12	15 41	1 7	20 33	0 40	8 51	2 13	12 16	0 28	7 9	1 52	26 28	11 14	21 2	20 48	25 57	14 10	1 3
S 11	23 29	20 48	0 5	25 6	1 38	23 34	0 15	15 25	1 6	20 34	0 40	8 50	2 13	12 17	0 28	7 8	1 52	26 27	11 13	21 2	20 47	25 56	14 10	1 3
S 12	23 31	23 44	1s 1	25 13	1 42	23 41	0 17	15 10	1 5	20 35	0 40	8 48	2 13	12 18	0 28	7 8	1 52	26 27	11 13	21 2	20 46	25 56	14 9	1 3
M13	23 32	25 36	2 4	25 19	1 46	23 47	0 19	14 54	1 4	20 37	0 40	8 47	2 12	12 19	0 28	7 8	1 52	26 26	11 13	21 2	20 46	25 56	14 8	1 3
T 14	23 33	26 16	3 1	25 23	1 49	23 52	0 22	14 38	1 3	20 38	0 40	8 45	2 12	12 20	0 28	7 8	1 52	26 26	11 13	21 1	20 45	25 55	14 8	1 3
W15	23 34	25 44	3 50	25 26	1 53	23 56	0 24	14 22	1 2	20 40	0 41	8 43	2 12	12 21	0 28	7 8	1 52	26 25	11 13	21 0	20 44	25 55	14 7	1 3
T 16	23 34	24 2	4 28	25 27	1 56	24 0	0 26	14 5	1 1	20 41	0 41	8 42	2 12	12 22	0 28	7 8	1 52	26 25	11 13	20 59	20 44	25 55	14 7	1 3
F 17	23 33	21 18	4 56	25 27	1 58	24 2	0 29	13 49	1 0	20 43	0 41	8 40	2 12	12 22	0 28	7 8	1 52	26 24	11 12	20 58	20 43	25 54	14 6	1 3
S 18	23 32	17 39	5 10	25 25	2 0	24 4	0 31	13 33	0 59	20 44	0 41	8 38	2 12	12 23	0 28	7 8	1 52	26 24	11 12	20 58	20 43	25 54	14 6	1 3
S 19	23 31	13 16	5 12	25 21	2 2	24 6	0 33	13 16	0 58	20 46	0 41	8 37	2 11	12 24	0 28	7 7	1 52	26 23	11 12	20 57	20 42	25 53	14 5	1 3
M20	23 29	8 17	4 59	25 16	2 4	24 6	0 35	12 59	0 58	20 47	0 42	8 35	2 11	12 25	0 28	7 7	1 52	26 22	11 12	20 56	20 41	25 53	14 4	1 3
T 21	23 27	2 53	4 32	25 9	2 5	24 6	0 37	12 43	0 57	20 49	0 42	8 33	2 11	12 25	0 28	7 7	1 52	26 22	11 12	20 56	20 41	25 53	14 4	1 3
W22	23 24	2n47	3 50	25 0	2 6	24 5	0 39	12 26	0 56	20 51	0 42	8 31	2 11	12 26	0 28	7 7	1 52	26 21	11 12	20 56	20 40	25 52	14 4	1 3
T 23	23 21	8 31	2 56	24 50	2 6	24 3	0 42	12 9	0 55	20 52	0 42	8 30	2 11	12 27	0 28	7 7	1 52	26 21	11 12	20 56	20 39	25 52	14 3	1 3
F 24	23 17	14 3	1 50	24 38	2 6	24 1	0 44	11 52	0 54	20 54	0 42	8 28	2 11	12 28	0 28	7 7	1 52	26 20	11 11	20 57	20 39	25 51	14 3	1 3
S 25	23 13	19 2	0 35	24 24	2 5	23 58	0 46	11 35	0 53	20 56	0 43	8 26	2 10	12 28	0 28	7 7	1 52	26 20	11 11	20 57	20 38	25 51	14 2	1 3
S 26	23 8	23 2	0n45	24 9	2 4	23 54	0 48	11 17	0 52	20 57	0 43	8 24	2 10	12 29	0 28	7 7	1 51	26 19	11 11	20 57	20 37	25 50	14 2	1 3
M27	23 3	25 34	2 3	23 52	2 3	23 49	0 50	11 0	0 51	20 59	0 43	8 22	2 10	12 30	0 28	7 7	1 51	26 19	11 11	20 57	20 37	25 50	14 1	1 3
T 28	22 58	26 15	3 13	23 33	2 0	23 43	0 52	10 43	0 50	21 1	0 43	8 20	2 10	12 30	0 28	7 7	1 51	26 18	11 11	20 56	20 36	25 50	14 1	1 3
W29	22 52	24 56	4 11	23 12	1 58	23 37	0 54	10 25	0 49	21 3	0 43	8 18	2 10	12 31	0 28	7 8	1 51	26 17	11 11	20 55	20 36	25 49	14 1	1 3
T 30	22 45	21 48	4 49	22 50	1 54	23 30	0 55	10 7	0 49	21 4	0 43	8 16	2 10	12 32	0 28	7 8	1 51	26 17	11 11	20 54	20 35	25 49	14 0	1 3
F 31	22s38	17n16	5n 8	22s26	1s50	23s23	0s57	9s50	0s48	21n 6	0n44	8s14	2s 9	12s32	0n28	7n 8	1s51	26s16	11s11	20n52	20n34	25s48	14n 0	1s 3

Julian Day Number = 2106000.5, Delta T = 20m26s
Ecliptic obliquity = 23°33'46, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°33'09, Lahiri = 10°40'09 Julian Calendar 1 Dec. 1053 == Greg. Calendar 7 Dec. 1053

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1054
geocentric

JANUARY 1054 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 4 7	16♉41'22	11♍53	29♉50	18♉35	7♓28	29°R14	14♓18	4♏12	22♈38	17♒32	2°R56	1♊28	20♉54	10°R21	S 1
S 2	7 8 4	17°42'25	25°59	1♒30	19°50	8°13	29♋ 6	14°24	4°13	22°38	17°33	2♊52	1°25	21° 1	10♌20	S 2
M 3	7 12 0	18°43'28	9♎35	3° 8	21° 5	8°58	28°58	14°29	4°15	22°38	17°35	2°50	1°22	21° 8	10°20	M 3
T 4	7 15 57	19°44'31	22°45	4°46	22°21	9°43	28°51	14°34	4°17	22°38	17°36	2°D49	1°18	21°14	10°19	T 4
W 5	7 19 53	20°45'33	5♏30	6°21	23°36	10°28	28°43	14°40	4°18	22°39	17°38	2°50	1°15	21°21	10°18	W 5
T 6	7 23 50	21°46'34	17°56	7°55	24°51	11°13	28°35	14°45	4°20	22°39	17°39	2°52	1°12	21°28	10°18	T 6
F 7	7 27 46	22°47'35	0♐ 7	9°27	26° 7	11°58	28°27	14°51	4°21	22°39	17°41	2°R53	1° 9	21°34	10°18	F 7
S 8	7 31 43	23°48'35	12° 8	10°55	27°22	12°43	28°19	14°56	4°22	22°40	17°42	2°52	1° 6	21°41	10°17	S 8
S 9	7 35 40	24°49'34	24° 2	12°20	28°37	13°28	28°11	15° 2	4°24	22°40	17°44	2°50	1° 2	21°48	10°17	S 9
M10	7 39 36	25°50'32	5♑52	13°41	29°53	14°13	28° 3	15° 8	4°25	22°41	17°46	2°44	0°59	21°54	10°17	M10
T 11	7 43 33	26°51'30	17°42	14°58	1♒ 8	14°58	27°55	15°13	4°26	22°41	17°47	2°37	0°56	22° 1	10°16	T 11
W12	7 47 29	27°52'26	29°32	16° 8	2°23	15°43	27°47	15°19	4°27	22°42	17°49	2°27	0°53	22° 8	10°16	W12
T 13	7 51 26	28°53'21	11♒25	17°13	3°39	16°28	27°39	15°25	4°28	22°42	17°50	2°16	0°50	22°15	10°D16	T 13
F 14	7 55 22	29°54'15	23°21	18°10	4°54	17°13	27°31	15°31	4°29	22°43	17°52	2° 4	0°47	22°21	10°16	F 14
S 15	7 59 19	0♒55'08	5♓24	19° 0	6° 9	17°58	27°23	15°37	4°30	22°43	17°54	1°53	0°43	22°28	10°16	S 15
S 16	8 3 15	1°55'59	17°33	19°41	7°24	18°42	27°15	15°43	4°31	22°44	17°55	1°43	0°40	22°35	10°17	S 16
M17	8 7 12	2°56'48	29°52	20°12	8°40	19°27	27° 7	15°49	4°32	22°45	17°57	1°35	0°37	22°41	10°17	M17
T 18	8 11 9	3°57'37	12♈23	20°34	9°55	20°12	26°59	15°56	4°33	22°45	17°59	1°30	0°34	22°48	10°17	T 18
W19	8 15 5	4°58'23	25°10	20°45	11°10	20°56	26°51	16° 2	4°34	22°46	18° 0	1°28	0°31	22°55	10°18	W19
T 20	8 19 2	5°59'08	8♉16	20°R45	12°25	21°41	26°44	16° 8	4°35	22°47	18° 2	1°D28	0°28	23° 1	10°18	T 20
F 21	8 22 58	6°59'51	21°45	20°35	13°40	22°26	26°36	16°15	4°35	22°48	18° 4	1°28	0°24	23° 8	10°18	F 21
S 22	8 26 55	8° 0'33	5♊39	20°13	14°55	23°10	26°28	16°21	4°36	22°48	18° 5	1°R28	0°21	23°15	10°19	S 22
S 23	8 30 51	9° 1'13	20° 0	19°42	16°11	23°55	26°20	16°27	4°37	22°49	18° 7	1°27	0°18	23°21	10°20	S 23
M24	8 34 48	10° 1'52	4♋45	19° 1	17°26	24°39	26°13	16°34	4°37	22°50	18° 9	1°23	0°15	23°28	10°20	M24
T 25	8 38 44	11° 2'28	19°50	18°12	18°41	25°24	26° 5	16°41	4°38	22°51	18°10	1°17	0°12	23°35	10°21	T 25
W26	8 42 41	12° 3'03	5♌ 6	17°16	19°56	26° 8	25°58	16°47	4°38	22°52	18°12	1° 8	0° 8	23°42	10°22	W26
T 27	8 46 38	13° 3'37	20°22	16°14	21°11	26°52	25°50	16°54	4°38	22°53	18°14	0°57	0° 5	23°48	10°23	T 27
F 28	8 50 34	14° 4'08	5♍28	15° 8	22°26	27°37	25°43	17° 0	4°39	22°54	18°15	0°46	0° 2	23°55	10°24	F 28
S 29	8 54 31	15° 4'39	20°12	14° 0	23°41	28°21	25°36	17° 7	4°39	22°55	18°17	0°36	29♌59	24° 2	10°25	S 29
S 30	8 58 27	16° 5'07	4♎30	12°52	24°56	29° 5	25°29	17°14	4°39	22°56	18°19	0°28	29°56	24° 8	10°26	S 30
M31	9 2 24	17♒ 5'35	18♎17	11♒46	26♒11	29♓49	25♋22	17♓21	4♏39	22♈58	18♒20	0♊23	29♌53	24♉15	10♌27	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	22s31	11n50	5n 6	22s 0	1s45	23s14	0s59	9s32	0s47	21n 8	0n44	8s12	2s 9	12s33	0n28	7n 8	1s51	26s16	11s11	20n51	20n34	25s48	14n 0	1s 3	S 1
S 2	22 23	5 57	4 45	21 33	1 40	23 5	1 1	9 14	0 46	21 10	0 44	8 9	2 9	12 33	0 28	7 8	1 51	26 15	11 10	20 50	20 33	25 47	14 0	1 3	S 2
M 3	22 15	0s 1	4 8	21 5	1 34	22 56	1 2	8 57	0 45	21 11	0 44	8 7	2 9	12 34	0 28	7 8	1 51	26 15	11 10	20 50	20 32	25 47	13 59	1 3	M 3
T 4	22 6	5 48	3 20	20 35	1 27	22 45	1 4	8 39	0 44	21 13	0 44	8 5	2 9	12 34	0 28	7 8	1 51	26 14	11 10	20 50	20 32	25 46	13 59	1 3	T 4
W 5	21 57	11 11	2 22	20 3	1 19	22 34	1 6	8 21	0 43	21 15	0 44	8 3	2 9	12 35	0 28	7 8	1 51	26 13	11 10	20 50	20 31	25 46	13 59	1 3	W 5
T 6	21 47	15 59	1 20	19 31	1 10	22 22	1 7	8 3	0 42	21 17	0 45	8 1	2 9	12 35	0 28	7 9	1 51	26 13	11 10	20 50	20 30	25 45	13 59	1 4	T 6
F 7	21 38	20 2	0 15	18 58	1 1	22 10	1 9	7 45	0 41	21 18	0 45	7 58	2 8	12 36	0 28	7 9	1 51	26 12	11 10	20 51	20 30	25 45	13 59	1 4	F 7
S 8	21 27	23 11	0s50	18 24	0 51	21 56	1 10	7 27	0 41	21 20	0 45	7 56	2 8	12 36	0 28	7 9	1 51	26 12	11 10	20 50	20 29	25 44	13 58	1 4	S 8
S 9	21 16	25 17	1 51	17 49	0 40	21 43	1 11	7 8	0 40	21 22	0 45	7 54	2 8	12 37	0 28	7 9	1 51	26 11	11 10	20 50	20 28	25 43	13 58	1 4	S 9
M10	21 5	26 13	2 48	17 14	0 27	21 28	1 13	6 50	0 39	21 24	0 45	7 51	2 8	12 37	0 28	7 9	1 51	26 10	11 10	20 49	20 28	25 43	13 58	1 4	M10
T 11	20 54	25 58	3 36	16 40	0 15	21 13	1 14	6 32	0 38	21 25	0 45	7 49	2 8	12 37	0 28	7 10	1 50	26 10	11 10	20 47	20 27	25 42	13 58	1 4	T 11
W12	20 42	24 31	4 16	16 6	0 1	20 57	1 15	6 14	0 37	21 27	0 45	7 47	2 8	12 38	0 28	7 10	1 50	26 9	11 10	20 45	20 26	25 42	13 58	1 4	W12
T 13	20 29	22 0	4 44	15 32	0n14	20 41	1 17	5 55	0 36	21 29	0 45	7 44	2 8	12 38	0 28	7 10	1 50	26 9	11 10	20 43	20 26	25 41	13 58	1 4	T 13
F 14	20 17	18 31	5 0	15 0	0 29	20 24	1 18	5 37	0 35	21 31	0 46	7 42	2 8	12 39	0 28	7 10	1 50	26 8	11 10	20 41	20 25	25 41	13 58	1 4	F 14
S 15	20 3	14 16	5 3	14 30	0 45	20 6	1 19	5 19	0 34	21 32	0 46	7 39	2 7	12 39	0 28	7 11	1 50	26 8	11 10	20 39	20 24	25 40	13 58	1 4	S 15
S 16	19 50	9 26	4 52	14 1	1 1	19 48	1 20	5 0	0 34	21 34	0 46	7 37	2 7	12 39	0 28	7 11	1 50	26 7	11 10	20 37	20 24	25 39	13 58	1 4	S 16
M17	19 36	4 9	4 28	13 35	1 18	19 29	1 21	4 42	0 33	21 36	0 46	7 34	2 7	12 39	0 28	7 11	1 50	26 7	11 9	20 35	20 23	25 39	13 58	1 4	M17
T 18	19 22	1n23	3 51	13 12	1 35	19 10	1 22	4 23	0 32	21 37	0 46	7 32	2 7	12 40	0 28	7 12	1 50	26 6	11 9	20 34	20 22	25 38	13 58	1 4	T 18
W19	19 7	6 59	3 1	12 53	1 52	18 50	1 22	4 5	0 31	21 39	0 46	7 29	2 7	12 40	0 28	7 12	1 50	26 5	11 9	20 34	20 22	25 38	13 58	1 4	W19
T 20	18 52	12 26	2 0	12 36	2 9	18 30	1 23	3 47	0 30	21 41	0 46	7 27	2 7	12 40	0 28	7 12	1 50	26 5	11 9	20 34	20 21	25 37	13 59	1 4	T 20
F 21	18 37	17 28	0 52	12 24	2 26	18 9	1 24	3 28	0 29	21 42	0 46	7 24	2 7	12 40	0 28	7 13	1 50	26 4	11 9	20 34	20 20	25 36	13 59	1 4	F 21
S 22	18 22	21 43	0n22	12 16	2 41	17 47	1 25	3 10	0 28	21 44	0 46	7 21	2 7	12 41	0 28	7 13	1 50	26 4	11 9	20 34	20 20	25 36	13 59	1 4	S 22
S 23	18 6	24 48	1 37	12 12	2 56	17 25	1 25	2 51	0 28	21 45	0 46	7 19	2 7	12 41	0 28	7 13	1 50	26 3	11 9	20 33	20 19	25 35	13 59	1 4	S 23
M24	17 49	26 15	2 47	12 12	3 9	17 3	1 26	2 33	0 27	21 47	0 47	7 16	2 6	12 41	0 28	7 14	1 50	26 3	11 9	20 33	20 18	25 34	13 59	1 4	M24
T 25	17 33	25 50	3 47	12 16	3 21	16 40	1 26	2 14	0 26	21 48	0 47	7 13	2 6	12 41	0 28	7 14	1 50	26 2	11 9	20 31	20 18	25 34	13 59	1 4	T 25
W26	17 16	23 28	4 31	12 24	3 30	16 17	1 27	1 56	0 25	21 50	0 47	7 11	2 6	12 41	0 28	7 15	1 50	26 2	11 9	20 30	20 17	25 33	14 0	1 4	W26
T 27	16 59	19 27	4 56	12 36	3 38	15 53	1 27	1 37	0 24	21 51	0 47	7 8	2 6	12 41	0 28	7 15	1 49	26 1	11 9	20 27	20 16	25 32	14 0	1 4	T 27
F 28	16 42	14 12	5 1	12 50	3 43	15 29	1 27	1 19	0 23	21 53	0 47	7 5	2 6	12 41	0 28	7 15	1 49	26 1	11 9	20 25	20 16	25 32	14 0	1 4	F 28
S 29	16 24	8 15	4 44	13 7	3 46	15 4	1 27	1 0	0 23	21 54	0 47	7 3	2 6	12 41	0 28	7 16	1 49	26 0	11 9	20 23	20 15	25 31	14 0	1 4	S 29
S 30	16 6	2 2	4 11	13 25	3 46	14 39	1 27	0 42	0 22	21 55	0 47	7 0	2 6	12 41	0 28	7 16	1 49	25 59	11 10	20 21	20 14	25 30	14 1	1 4	S 30
M31	15s48	4s 4	3n23	13s45	3n44	14s14	1s28	0s23	0s21	21n57	0n47	6s57	2s 6	12s42	0n28	7n17	1s49	25s59	11s10	20n20	20n14	25s30	14n 1	1s 4	M31

Julian Day Number = 2106031.5, Delta T = 20m26s
Ecliptic obliquity = 23°33'47, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°33'13, Lahiri = 10°40'14 Julian Calendar 1 Jan. 1054 == Greg. Calendar 7 Jan. 1054

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1054
geocentric

FEBRUARY 1054 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 6 20	18♒ 6'01	1♏34	10°R42	27♒26	0♈34	25°R15	17♓28	4♏39	22♈59	18♒22	0°R20	29♉49	24♑22	10♉28	T 1
W 2	9 10 17	19° 6'25	14°24	9♒43	28°41	1°18	25♋ 8	17°35	4°R39	23° 0	18°24	0♊19	29°46	24°28	10°29	W 2
T 3	9 14 13	20° 6'49	26°51	8°49	29°56	2° 2	25° 1	17°42	4°39	23° 1	18°26	0°19	29°43	24°35	10°31	T 3
F 4	9 18 10	21° 7'11	9♐ 1	8° 2	1♓11	2°46	24°55	17°49	4°39	23° 2	18°27	0°18	29°40	24°42	10°32	F 4
S 5	9 22 7	22° 7'31	20°59	7°21	2°25	3°30	24°49	17°56	4°39	23° 4	18°29	0°17	29°37	24°49	10°33	S 5
S 6	9 26 3	23° 7'50	2♑49	6°47	3°40	4°14	24°42	18° 3	4°39	23° 5	18°31	0°13	29°34	24°55	10°35	S 6
M 7	9 30 0	24° 8'07	14°38	6°20	4°55	4°58	24°36	18°10	4°39	23° 6	18°32	0° 6	29°30	25° 2	10°37	M 7
T 8	9 33 56	25° 8'23	26°27	6° 1	6°10	5°42	24°30	18°17	4°38	23° 8	18°34	29♉57	29°27	25° 9	10°38	T 8
W 9	9 37 53	26° 8'37	8♒19	5°48	7°25	6°26	24°24	18°24	4°38	23° 9	18°36	29°44	29°24	25°15	10°40	W 9
T 10	9 41 49	27° 8'49	20°18	5°D43	8°40	7° 9	24°18	18°31	4°37	23°10	18°37	29°30	29°21	25°22	10°42	T 10
F 11	9 45 46	28° 8'59	2♓23	5°44	9°54	7°53	24°13	18°38	4°37	23°12	18°39	29°15	29°18	25°29	10°43	F 11
S 12	9 49 42	29° 9'07	14°36	5°51	11° 9	8°37	24° 7	18°46	4°36	23°13	18°41	29° 1	29°14	25°35	10°45	S 12
S 13	9 53 39	0♓ 9'14	26°57	6° 5	12°24	9°21	24° 2	18°53	4°36	23°15	18°42	28°48	29°11	25°42	10°47	S 13
M14	9 57 36	1° 9'18	9♈28	6°24	13°39	10° 4	23°57	19° 0	4°35	23°16	18°44	28°38	29° 8	25°49	10°49	M14
T 15	10 1 32	2° 9'20	22°10	6°48	14°53	10°48	23°52	19° 8	4°35	23°18	18°46	28°32	29° 5	25°56	10°51	T 15
W16	10 5 29	3° 9'20	5♉ 3	7°17	16° 8	11°31	23°47	19°15	4°34	23°19	18°47	28°28	29° 2	26° 2	10°53	W16
T 17	10 9 25	4° 9'18	18°12	7°51	17°23	12°15	23°42	19°22	4°33	23°21	18°49	28°26	28°59	26° 9	10°55	T 17
F 18	10 13 22	5° 9'13	1♊38	8°29	18°37	12°58	23°38	19°30	4°32	23°23	18°51	28°26	28°55	26°16	10°58	F 18
S 19	10 17 18	6° 9'07	15°23	9°11	19°52	13°42	23°34	19°37	4°31	23°24	18°52	28°26	28°52	26°22	11° 0	S 19
S 20	10 21 15	7° 8'58	29°29	9°56	21° 6	14°25	23°30	19°44	4°30	23°26	18°54	28°24	28°49	26°29	11° 2	S 20
M21	10 25 11	8° 8'47	13♋56	10°45	22°21	15° 9	23°26	19°52	4°29	23°28	18°56	28°21	28°46	26°36	11° 5	M21
T 22	10 29 8	9° 8'34	28°40	11°38	23°35	15°52	23°22	19°59	4°28	23°29	18°57	28°14	28°43	26°42	11° 7	T 22
W23	10 33 5	10° 8'18	13♌36	12°33	24°50	16°35	23°18	20° 7	4°27	23°31	18°59	28° 5	28°39	26°49	11° 9	W23
T 24	10 37 1	11° 8'00	28°36	13°32	26° 4	17°18	23°15	20°14	4°26	23°33	19° 0	27°55	28°36	26°56	11°12	T 24
F 25	10 40 58	12° 7'40	13♍30	14°33	27°19	18° 2	23°12	20°22	4°25	23°35	19° 2	27°43	28°33	27° 3	11°14	F 25
S 26	10 44 54	13° 7'18	28° 9	15°36	28°33	18°45	23° 9	20°29	4°24	23°36	19° 4	27°33	28°30	27° 9	11°17	S 26
S 27	10 48 51	14° 6'53	12♎26	16°42	29°47	19°28	23° 6	20°37	4°23	23°38	19° 5	27°24	28°27	27°16	11°20	S 27
M28	10 52 47	15♓ 6'27	26♎17	17♒51	1♈ 2	20♈11	23♋ 3	20♓44	4♏21	23♈40	19♒ 7	27♉18	28♉24	27♑23	11♉22	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	15s29	9s48	2n26	14s 6	3n41	13s48	1s28	0s 5	0s20	21n58	0n47	6s54	2s 6	12s42	0n28	7n17	1s49	25s58	11s10	20n19	20n13	25s29	14n 1	1s 4	T 1
W 2	15 10	14 55	1 23	14 27	3 35	13 22	1 28	0n13	0 19	21 59	0 47	6 52	2 6	12 42	0 28	7 18	1 49	25 58	11 10	20 19	20 12	25 28	14 2	1 4	W 2
T 3	14 51	19 15	0 18	14 49	3 27	12 55	1 27	0 32	0 18	22 1	0 47	6 49	2 6	12 41	0 28	7 18	1 49	25 57	11 10	20 19	20 12	25 28	14 2	1 4	T 3
F 4	14 32	22 40	0s46	15 9	3 18	12 28	1 27	0 50	0 18	22 2	0 47	6 46	2 6	12 41	0 29	7 19	1 49	25 57	11 10	20 19	20 11	25 27	14 3	1 4	F 4
S 5	14 12	25 2	1 47	15 30	3 8	12 1	1 27	1 8	0 17	22 3	0 47	6 43	2 6	12 41	0 29	7 19	1 49	25 56	11 10	20 19	20 10	25 26	14 3	1 4	S 5
S 6	13 53	26 15	2 43	15 49	2 57	11 33	1 27	1 27	0 16	22 4	0 47	6 40	2 6	12 41	0 29	7 20	1 49	25 56	11 10	20 18	20 10	25 25	14 4	1 4	S 6
M 7	13 33	26 15	3 31	16 7	2 45	11 6	1 26	1 45	0 15	22 5	0 47	6 38	2 5	12 41	0 29	7 20	1 49	25 55	11 10	20 17	20 9	25 25	14 4	1 4	M 7
T 8	13 13	25 4	4 10	16 24	2 33	10 37	1 26	2 3	0 15	22 7	0 47	6 35	2 5	12 41	0 29	7 21	1 49	25 55	11 10	20 15	20 8	25 24	14 5	1 4	T 8
W 9	12 52	22 46	4 39	16 40	2 20	10 9	1 25	2 21	0 14	22 8	0 47	6 32	2 5	12 41	0 29	7 22	1 49	25 54	11 10	20 12	20 8	25 23	14 5	1 4	W 9
T 10	12 32	19 28	4 55	16 54	2 6	9 40	1 25	2 39	0 13	22 9	0 47	6 29	2 5	12 41	0 29	7 22	1 49	25 54	11 10	20 9	20 7	25 22	14 6	1 4	T 10
F 11	12 11	15 19	4 59	17 7	1 53	9 11	1 24	2 57	0 12	22 10	0 48	6 26	2 5	12 41	0 29	7 23	1 49	25 54	11 10	20 6	20 6	25 21	14 6	1 4	F 11
S 12	11 50	10 31	4 48	17 18	1 40	8 42	1 23	3 16	0 11	22 11	0 48	6 23	2 5	12 40	0 29	7 23	1 49	25 53	11 10	20 3	20 6	25 21	14 7	1 4	S 12
S 13	11 29	5 16	4 25	17 27	1 26	8 13	1 23	3 34	0 11	22 12	0 48	6 20	2 5	12 40	0 29	7 24	1 49	25 53	11 10	20 0	20 5	25 20	14 7	1 4	S 13
M14	11 7	0n17	3 48	17 36	1 13	7 43	1 22	3 51	0 10	22 13	0 48	6 17	2 5	12 40	0 29	7 24	1 49	25 52	11 11	19 58	20 4	25 19	14 8	1 4	M14
T 15	10 46	5 54	2 59	17 42	1 0	7 14	1 21	4 9	0 9	22 13	0 48	6 15	2 5	12 40	0 29	7 25	1 48	25 52	11 11	19 56	20 3	25 18	14 8	1 4	T 15
W16	10 24	11 23	2 0	17 47	0 47	6 44	1 20	4 27	0 8	22 14	0 48	6 12	2 5	12 39	0 29	7 26	1 48	25 51	11 11	19 55	20 3	25 17	14 9	1 4	W16
T 17	10 2	16 29	0 54	17 50	0 35	6 13	1 19	4 45	0 8	22 15	0 48	6 9	2 5	12 39	0 29	7 26	1 48	25 51	11 11	19 55	20 2	25 17	14 10	1 4	T 17
F 18	9 40	20 52	0n17	17 52	0 23	5 43	1 18	5 3	0 7	22 16	0 48	6 6	2 5	12 39	0 29	7 27	1 48	25 50	11 11	19 55	20 1	25 16	14 10	1 4	F 18
S 19	9 18	24 13	1 28	17 52	0 11	5 13	1 17	5 20	0 6	22 17	0 48	6 3	2 5	12 39	0 29	7 28	1 48	25 50	11 11	19 55	20 1	25 15	14 11	1 4	S 19
S 20	8 56	26 10	2 36	17 51	0s 0	4 42	1 16	5 38	0 5	22 17	0 48	6 0	2 5	12 38	0 29	7 28	1 48	25 50	11 11	19 54	20 0	25 14	14 12	1 4	S 20
M21	8 33	26 24	3 36	17 48	0 11	4 11	1 14	5 55	0 5	22 18	0 48	5 57	2 5	12 38	0 29	7 29	1 48	25 49	11 11	19 54	19 59	25 13	14 12	1 4	M21
T 22	8 11	24 48	4 22	17 44	0 22	3 40	1 13	6 13	0 4	22 19	0 48	5 54	2 5	12 38	0 29	7 30	1 48	25 49	11 12	19 52	19 59	25 12	14 13	1 4	T 22
W23	7 48	21 28	4 51	17 38	0 32	3 10	1 12	6 30	0 3	22 19	0 48	5 51	2 5	12 37	0 29	7 30	1 48	25 48	11 12	19 50	19 58	25 11	14 14	1 4	W23
T 24	7 26	16 43	5 1	17 31	0 42	2 39	1 10	6 48	0 2	22 20	0 48	5 48	2 5	12 37	0 29	7 31	1 48	25 48	11 12	19 48	19 57	25 11	14 15	1 4	T 24
F 25	7 3	10 58	4 50	17 22	0 51	2 7	1 9	7 5	0 2	22 20	0 48	5 45	2 5	12 36	0 29	7 32	1 48	25 48	11 12	19 45	19 56	25 10	14 15	1 5	F 25
S 26	6 40	4 42	4 19	17 11	1 0	1 36	1 7	7 22	0 1	22 21	0 48	5 42	2 5	12 36	0 29	7 32	1 48	25 47	11 12	19 43	19 56	25 9	14 16	1 5	S 26
S 27	6 17	1s40	3 34	17 0	1 8	1 5	1 5	7 39	0 0	22 21	0 48	5 39	2 5	12 36	0 29	7 33	1 48	25 47	11 12	19 41	19 55	25 8	14 17	1 5	S 27
M28	5s54	7s46	2n36	16s46	1s16	0s34	1s 4	7n56	0n 1	22n22	0n48	5s36	2s 5	12s35	0n29	7n34	1s48	25s47	11s12	19n40	19n54	25s 7	14n18	1s 5	M28

Julian Day Number = 2106062.5, Delta T = 20m25s
Ecliptic obliquity = 23°33'48, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°33'17, Lahiri = 10°40'18 Julian Calendar 1 Feb. 1054 == Greg. Calendar 7 Feb. 1054

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1054
geocentric

MARCH 1054 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 56 44	16♓ 5'59	9♏39	19♒ 1	2♈16	20♈54	23°R 0	20♓52	4°R20	23♈42	19♒ 8	27°R15	28♉20	27♑29	11♉25	T 1
W 2	11 0 40	17° 5'30	22°34	20°14	3°30	21°37	22♋58	20°59	4♏18	23°44	19°10	27°D13	28°17	27°36	11°28	W 2
T 3	11 4 37	18° 4'58	5♐ 6	21°28	4°44	22°20	22°56	21° 7	4°17	23°46	19°11	27♉13	28°14	27°43	11°31	T 3
F 4	11 8 33	19° 4'25	17°20	22°45	5°58	23° 2	22°54	21°14	4°15	23°48	19°13	27°R14	28°11	27°49	11°34	F 4
S 5	11 12 30	20° 3'50	29°20	24° 3	7°13	23°45	22°52	21°22	4°14	23°50	19°14	27°13	28° 8	27°56	11°37	S 5
S 6	11 16 27	21° 3'13	11♑12	25°23	8°27	24°28	22°51	21°29	4°12	23°52	19°16	27°11	28° 5	28° 3	11°40	S 6
M 7	11 20 23	22° 2'34	23° 2	26°45	9°41	25°11	22°49	21°37	4°11	23°54	19°17	27° 7	28° 1	28°10	11°43	M 7
T 8	11 24 20	23° 1'54	4♒53	28° 9	10°55	25°53	22°48	21°44	4° 9	23°56	19°19	27° 0	27°58	28°16	11°46	T 8
W 9	11 28 16	24° 1'11	16°49	29°34	12° 9	26°36	22°47	21°52	4° 7	23°58	19°20	26°50	27°55	28°23	11°49	W 9
T 10	11 32 13	25° 0'27	28°54	1♓ 0	13°23	27°19	22°46	21°59	4° 6	24° 0	19°22	26°39	27°52	28°30	11°52	T 10
F 11	11 36 9	25°59'40	11♓ 8	2°29	14°37	28° 1	22°46	22° 7	4° 4	24° 2	19°23	26°28	27°49	28°36	11°55	F 11
S 12	11 40 6	26°58'52	23°34	3°58	15°51	28°44	22°45	22°14	4° 2	24° 4	19°24	26°17	27°45	28°43	11°58	S 12
S 13	11 44 2	27°58'01	6♈11	5°30	17° 5	29°26	22°45	22°22	4° 0	24° 6	19°26	26° 7	27°42	28°50	12° 2	S 13
M14	11 47 59	28°57'08	19° 0	7° 3	18°19	0♉ 9	22°D45	22°30	3°58	24° 8	19°27	25°59	27°39	28°57	12° 5	M14
T 15	11 51 56	29°56'13	2♉ 0	8°37	19°33	0°51	22°45	22°37	3°56	24°10	19°29	25°54	27°36	29° 3	12° 8	T 15
W16	11 55 52	0♈55'16	15°12	10°13	20°47	1°33	22°46	22°45	3°55	24°12	19°30	25°51	27°33	29°10	12°12	W16
T 17	11 59 49	1°54'17	28°35	11°50	22° 0	2°16	22°46	22°52	3°53	24°14	19°31	25°D51	27°30	29°17	12°15	T 17
F 18	12 3 45	2°53'15	12♊11	13°29	23°14	2°58	22°47	22°59	3°51	24°16	19°33	25°52	27°26	29°23	12°19	F 18
S 19	12 7 42	3°52'11	25°59	15° 9	24°28	3°40	22°48	23° 7	3°48	24°18	19°34	25°53	27°23	29°30	12°22	S 19
S 20	12 11 38	4°51'05	10♋ 0	16°51	25°41	4°22	22°49	23°14	3°46	24°21	19°35	25°R53	27°20	29°37	12°26	S 20
M21	12 15 35	5°49'56	24°14	18°34	26°55	5° 5	22°50	23°22	3°44	24°23	19°36	25°51	27°17	29°43	12°29	M21
T 22	12 19 31	6°48'45	8♌38	20°19	28° 9	5°47	22°52	23°29	3°42	24°25	19°38	25°48	27°14	29°50	12°33	T 22
W23	12 23 28	7°47'32	23° 9	22° 5	29°22	6°29	22°53	23°37	3°40	24°27	19°39	25°42	27°11	29°57	12°37	W23
T 24	12 27 25	8°46'16	7♍43	23°53	0♉36	7°11	22°55	23°44	3°38	24°29	19°40	25°35	27° 7	0♒ 4	12°40	T 24
F 25	12 31 21	9°44'58	22°12	25°42	1°49	7°53	22°57	23°51	3°36	24°31	19°41	25°28	27° 4	0°10	12°44	F 25
S 26	12 35 18	10°43'38	6♎30	27°33	3° 3	8°34	22°59	23°59	3°33	24°34	19°42	25°21	27° 1	0°17	12°48	S 26
S 27	12 39 14	11°42'16	20°31	29°25	4°16	9°16	23° 2	24° 6	3°31	24°36	19°44	25°15	26°58	0°24	12°51	S 27
M28	12 43 11	12°40'52	4♏11	1♈19	5°29	9°58	23° 4	24°13	3°29	24°38	19°45	25°12	26°55	0°30	12°55	M28
T 29	12 47 7	13°39'26	17°29	3°15	6°43	10°40	23° 7	24°21	3°26	24°40	19°46	25°10	26°51	0°37	12°59	T 29
W30	12 51 4	14°37'59	0♐23	5°12	7°56	11°22	23°10	24°28	3°24	24°42	19°47	25°D 9	26°48	0°44	13° 3	W30
T 31	12 55 0	15♈36'30	12♐57	7♈10	9♉ 9	12♉ 3	23♋13	24♓35	3♏22	24♈45	19♒48	25♉11	26♉45	0♒51	13♉ 7	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	5s31	13s19	1n32	16s31	1s24	0s 3	1s 2	8n13	0n 1	22n22	0n48	5s33	2s 5	12s35	0n29	7n35	1s48	25s46	11s13	19n39	19n54	25s 6	14n19	1s 5	
W 2	5 7	18 7	0 25	16 15	1 31	0n29	1 0	8 30	0 2	22 23	0 48	5 30	2 5	12 34	0 29	7 35	1 48	25 46	11 13	19 38	19 53	25 5	14 20	1 5	
T 3	4 44	21 57	0s42	15 57	1 38	1 0	0 59	8 47	0 3	22 23	0 48	5 27	2 5	12 34	0 29	7 36	1 48	25 46	11 13	19 38	19 52	25 4	14 20	1 5	
F 4	4 21	24 42	1 45	15 38	1 44	1 31	0 57	9 3	0 3	22 23	0 47	5 24	2 5	12 33	0 29	7 37	1 48	25 45	11 13	19 39	19 51	25 3	14 21	1 5	
S 5	3 57	26 16	2 42	15 18	1 50	2 2	0 55	9 20	0 4	22 24	0 47	5 21	2 5	12 33	0 29	7 38	1 48	25 45	11 13	19 38	19 51	25 2	14 22	1 5	
S 6	3 34	26 36	3 32	14 56	1 55	2 34	0 53	9 36	0 5	22 24	0 47	5 18	2 5	12 32	0 29	7 38	1 48	25 45	11 14	19 38	19 50	25 1	14 23	1 5	
M 7	3 10	25 43	4 12	14 32	2 0	3 5	0 51	9 53	0 5	22 24	0 47	5 15	2 5	12 31	0 29	7 39	1 48	25 44	11 14	19 37	19 49	25 0	14 24	1 5	
T 8	2 47	23 41	4 41	14 7	2 4	3 36	0 49	10 9	0 6	22 24	0 47	5 12	2 5	12 31	0 29	7 40	1 48	25 44	11 14	19 35	19 49	24 59	14 25	1 5	
W 9	2 23	20 37	4 58	13 41	2 8	4 7	0 47	10 25	0 7	22 24	0 47	5 10	2 5	12 30	0 29	7 41	1 48	25 44	11 14	19 33	19 48	24 59	14 26	1 5	
T 10	2 0	16 38	5 3	13 13	2 12	4 38	0 44	10 41	0 8	22 24	0 47	5 7	2 5	12 30	0 29	7 41	1 48	25 43	11 14	19 31	19 47	24 58	14 27	1 5	
F 11	1 36	11 56	4 53	12 44	2 15	5 8	0 42	10 57	0 8	22 24	0 47	5 4	2 5	12 29	0 29	7 42	1 48	25 43	11 15	19 28	19 46	24 57	14 28	1 5	
S 12	1 12	6 42	4 30	12 14	2 17	5 39	0 40	11 13	0 9	22 25	0 47	5 1	2 5	12 28	0 29	7 43	1 48	25 43	11 15	19 25	19 46	24 56	14 29	1 5	
S 13	0 49	1 6	3 53	11 42	2 20	6 10	0 38	11 29	0 10	22 25	0 47	4 58	2 5	12 28	0 29	7 44	1 48	25 43	11 15	19 23	19 45	24 55	14 30	1 5	
M14	0 25	4n39	3 4	11 9	2 21	6 40	0 35	11 44	0 10	22 25	0 47	4 55	2 5	12 27	0 29	7 44	1 47	25 42	11 15	19 21	19 44	24 54	14 31	1 5	
T 15	0 2	10 18	2 4	10 35	2 22	7 11	0 33	12 0	0 11	22 24	0 47	4 52	2 5	12 27	0 29	7 45	1 47	25 42	11 15	19 20	19 44	24 53	14 32	1 5	
W16	0n22	15 34	0 57	9 59	2 23	7 41	0 31	12 15	0 11	22 24	0 47	4 49	2 6	12 26	0 29	7 46	1 47	25 42	11 16	19 19	19 43	24 52	14 33	1 5	
T 17	0 46	20 11	0n15	9 22	2 23	8 11	0 28	12 31	0 12	22 24	0 47	4 46	2 6	12 25	0 29	7 47	1 47	25 42	11 16	19 19	19 42	24 50	14 34	1 5	
F 18	1 9	23 48	1 27	8 43	2 23	8 40	0 26	12 46	0 13	22 24	0 47	4 43	2 6	12 24	0 29	7 48	1 47	25 41	11 16	19 19	19 41	24 49	14 35	1 5	
S 19	1 33	26 5	2 35	8 4	2 22	9 10	0 23	13 1	0 13	22 24	0 47	4 40	2 6	12 24	0 29	7 48	1 47	25 41	11 16	19 20	19 41	24 48	14 36	1 5	
S 20	1 56	26 45	3 34	7 23	2 21	9 39	0 21	13 16	0 14	22 24	0 47	4 37	2 6	12 23	0 29	7 49	1 47	25 41	11 17	19 20	19 40	24 47	14 37	1 5	
M21	2 20	25 41	4 22	6 40	2 19	10 9	0 18	13 31	0 15	22 23	0 47	4 34	2 6	12 22	0 29	7 50	1 47	25 41	11 17	19 19	19 39	24 46	14 38	1 5	
T 22	2 43	22 55	4 54	5 57	2 17	10 37	0 16	13 45	0 15	22 23	0 47	4 31	2 6	12 22	0 29	7 51	1 47	25 41	11 17	19 18	19 38	24 45	14 39	1 5	
W23	3 6	18 42	5 7	5 12	2 14	11 6	0 13	14 0	0 16	22 23	0 47	4 29	2 6	12 21	0 29	7 52	1 47	25 40	11 17	19 17	19 38	24 44	14 40	1 5	
T 24	3 30	13 21	5 0	4 26	2 10	11 35	0 11	14 14	0 17	22 22	0 47	4 26	2 6	12 20	0 29	7 53	1 47	25 40	11 18	19 15	19 37	24 43	14 41	1 5	
F 25	3 53	7 19	4 35	3 39	2 7	12 3	0 8	14 29	0 17	22 22	0 47	4 23	2 6	12 19	0 29	7 53	1 47	25 40	11 18	19 14	19 36	24 42	14 42	1 6	
S 26	4 16	0 58	3 52	2 51	2 2	12 31	0 5	14 43	0 18	22 22	0 47	4 20	2 6	12 19	0 29	7 54	1 47	25 40	11 18	19 12	19 36	24 41	14 43	1 6	
S 27	4 39	5s20	2 56	2 1	1 57	12 58	0 3	14 57	0 18	22 21	0 47	4 17	2 6	12 18	0 29	7 55	1 47	25 40	11 18	19 11	19 35	24 40	14 44	1 6	
M28	5 2	11 14	1 51	1 11	1 52	13 25	0n 0	15 11	0 19	22 21	0 47	4 14	2 6	12 17	0 29	7 56	1 47	25 40	11 19	19 10	19 34	24 39	14 45	1 6	
T 29	5 25	16 28	0 42	0 19	1 46	13 52	0 3	15 25	0 20	22 20	0 47	4 12	2 7	12 16	0 29	7 57	1 47	25 40	11 19	19 9	19 33	24 38	14 46	1 6	
W30	5 48	20 48	0s28	0n33	1 39	14 19	0 5	15 38	0 20	22 20	0 47	4 9	2 7	12 15	0 29	7 57	1 47	25 40	11 19	19 9	19 33	24 36	14 47	1 6	
T 31	6n10	24s 3	1s35	1n27	1s33	14n45	0n 8	15n52	0n21	22n19	0n47	4s 6	2s 7	12s15	0n29	7n58	1s47	25s39	11s19	19n 9	19n32	24s35	14n49	1s 6	

Julian Day Number = 2106090.5, Delta T = 20m25s
Ecliptic obliquity = 23°33'48, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°33'21, Lahiri = 10°40'22 Julian Calendar 1 March 1054 == Greg. Calendar 7 March 1054

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1054
geocentric

APRIL 1054 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 58 57	16♈34'59	25♐14	9♈11	10♉23	12♉45	23♋16	24♓42	3°R19	24♈47	19♒49	25♉12	26♉42	0♒57	13♉10	F 1
S 2	13 2 54	17°33'26	7♑17	11°12	11°36	13°27	23°20	24°49	3♏17	24°49	19°50	25°14	26°39	1° 4	13°14	S 2
S 3	13 6 50	18°31'52	19°13	13°15	12°49	14° 8	23°23	24°57	3°15	24°51	19°51	25°R14	26°36	1°11	13°18	S 3
M 4	13 10 47	19°30'16	1♒ 4	15°19	14° 2	14°50	23°27	25° 4	3°12	24°54	19°52	25°13	26°32	1°17	13°22	M 4
T 5	13 14 43	20°28'38	12°58	17°25	15°15	15°31	23°31	25°11	3°10	24°56	19°53	25°11	26°29	1°24	13°26	T 5
W 6	13 18 40	21°26'59	24°57	19°31	16°28	16°13	23°35	25°18	3° 7	24°58	19°54	25° 7	26°26	1°31	13°30	W 6
T 7	13 22 36	22°25'18	7♓ 6	21°39	17°41	16°54	23°40	25°25	3° 5	25° 0	19°55	25° 2	26°23	1°38	13°34	T 7
F 8	13 26 33	23°23'35	19°28	23°47	18°54	17°35	23°44	25°32	3° 2	25° 3	19°56	24°57	26°20	1°44	13°38	F 8
S 9	13 30 29	24°21'51	2♈ 4	25°56	20° 7	18°17	23°49	25°39	3° 0	25° 5	19°57	24°52	26°16	1°51	13°42	S 9
S 10	13 34 26	25°20'05	14°57	28° 5	21°20	18°58	23°53	25°46	2°57	25° 7	19°58	24°47	26°13	1°58	13°46	S 10
M11	13 38 22	26°18'17	28° 5	0♉14	22°32	19°39	23°58	25°53	2°55	25° 9	19°59	24°44	26°10	2° 4	13°51	M11
T 12	13 42 19	27°16'28	11♉27	2°23	23°45	20°20	24° 3	25°59	2°52	25°12	19°59	24°42	26° 7	2°11	13°55	T 12
W13	13 46 16	28°14'37	25° 3	4°32	24°58	21° 1	24° 9	26° 6	2°50	25°14	20° 0	24°D41	26° 4	2°18	13°59	W13
T 14	13 50 12	29°12'44	8♊50	6°40	26°11	21°43	24°14	26°13	2°47	25°16	20° 1	24°42	26° 1	2°24	14° 3	T 14
F 15	13 54 9	0♉10'49	22°47	8°47	27°23	22°24	24°20	26°20	2°45	25°19	20° 2	24°43	25°57	2°31	14° 7	F 15
S 16	13 58 5	1° 8'52	6♋51	10°52	28°36	23° 5	24°25	26°26	2°42	25°21	20° 2	24°44	25°54	2°38	14°11	S 16
S 17	14 2 2	2° 6'53	21° 0	12°56	29°48	23°46	24°31	26°33	2°40	25°23	20° 3	24°45	25°51	2°45	14°15	S 17
M18	14 5 58	3° 4'53	5♌12	14°58	1♊ 1	24°27	24°37	26°40	2°37	25°25	20° 4	24°R46	25°48	2°51	14°20	M18
T 19	14 9 55	4° 2'50	19°25	16°58	2°13	25° 8	24°43	26°46	2°35	25°28	20° 5	24°45	25°45	2°58	14°24	T 19
W20	14 13 52	5° 0'45	3♍38	18°55	3°26	25°48	24°50	26°53	2°32	25°30	20° 5	24°44	25°42	3° 5	14°28	W20
T 21	14 17 48	5°58'39	17°46	20°50	4°38	26°29	24°56	26°59	2°30	25°32	20° 6	24°41	25°38	3°11	14°32	T 21
F 22	14 21 45	6°56'30	1♎46	22°42	5°50	27°10	25° 3	27° 5	2°27	25°34	20° 6	24°39	25°35	3°18	14°36	F 22
S 23	14 25 41	7°54'20	15°36	24°32	7° 3	27°51	25° 9	27°12	2°25	25°36	20° 7	24°37	25°32	3°25	14°41	S 23
S 24	14 29 38	8°52'08	29°12	26°18	8°15	28°32	25°16	27°18	2°22	25°39	20° 7	24°35	25°29	3°32	14°45	S 24
M25	14 33 34	9°49'55	12♏32	28° 1	9°27	29°12	25°23	27°24	2°20	25°41	20° 8	24°34	25°26	3°38	14°49	M25
T 26	14 37 31	10°47'40	25°35	29°41	10°39	29°53	25°30	27°31	2°17	25°43	20° 9	24°D34	25°22	3°45	14°53	T 26
W27	14 41 27	11°45'24	8♐21	1♊17	11°51	0♊33	25°38	27°37	2°15	25°45	20° 9	24°34	25°19	3°52	14°58	W27
T 28	14 45 24	12°43'07	20°50	2°50	13° 3	1°14	25°45	27°43	2°12	25°47	20° 9	24°35	25°16	3°58	15° 2	T 28
F 29	14 49 20	13°40'49	3♑ 5	4°20	14°15	1°55	25°52	27°49	2°10	25°50	20°10	24°36	25°13	4° 5	15° 6	F 29
S 30	14 53 17	14♉38'29	15♑ 9	5♊46	15♊27	2♊35	26♋ 0	27♓55	2♏ 7	25♈52	20♒10	24♉37	25♉10	4♒12	15♉10	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6n33	26s 5	2s36	2n21	1s25	15n11	0n11	16n 5	0n21	22n19	0n46	4s 3	2s 7	12s14	0n29	7n59	1s47	25s39	11s20	19n10	19n31	24s34	14n50	1s 6
S 2	6 56	26 50	3 29	3 16	1 17	15 36	0 14	16 18	0 22	22 18	0 46	4 0	2 7	12 13	0 29	8 0	1 47	25 39	11 20	19 10	19 30	24 33	14 51	1 6
S 3	7 18	26 20	4 12	4 12	1 9	16 2	0 16	16 31	0 23	22 17	0 46	3 58	2 7	12 12	0 29	8 1	1 47	25 39	11 20	19 10	19 30	24 32	14 52	1 6
M 4	7 40	24 38	4 44	5 8	1 0	16 26	0 19	16 44	0 23	22 17	0 46	3 55	2 7	12 11	0 29	8 2	1 47	25 39	11 21	19 10	19 29	24 31	14 53	1 6
T 5	8 2	21 52	5 4	6 5	0 51	16 51	0 22	16 57	0 24	22 16	0 46	3 52	2 7	12 11	0 29	8 2	1 47	25 39	11 21	19 10	19 28	24 30	14 54	1 6
W 6	8 24	18 9	5 11	7 2	0 41	17 14	0 25	17 10	0 24	22 15	0 46	3 50	2 7	12 10	0 29	8 3	1 47	25 39	11 21	19 9	19 27	24 28	14 55	1 6
T 7	8 46	13 39	5 5	8 0	0 31	17 38	0 27	17 22	0 25	22 14	0 46	3 47	2 8	12 9	0 29	8 4	1 47	25 39	11 21	19 7	19 27	24 27	14 57	1 6
F 8	9 8	8 32	4 44	8 57	0 21	18 1	0 30	17 34	0 25	22 13	0 46	3 44	2 8	12 8	0 29	8 5	1 47	25 39	11 22	19 6	19 26	24 26	14 58	1 6
S 9	9 30	2 58	4 9	9 54	0 11	18 23	0 33	17 47	0 26	22 13	0 46	3 41	2 8	12 7	0 29	8 6	1 47	25 39	11 22	19 5	19 25	24 25	14 59	1 6
S 10	9 51	2n50	3 20	10 50	0 0	18 46	0 36	17 59	0 27	22 12	0 46	3 39	2 8	12 6	0 29	8 7	1 47	25 39	11 22	19 4	19 24	24 24	15 0	1 6
M11	10 12	8 39	2 21	11 46	0n10	19 7	0 38	18 10	0 27	22 11	0 46	3 36	2 8	12 5	0 29	8 7	1 47	25 39	11 23	19 3	19 24	24 22	15 1	1 6
T 12	10 33	14 12	1 12	12 42	0 21	19 28	0 41	18 22	0 28	22 10	0 46	3 34	2 8	12 5	0 29	8 8	1 47	25 39	11 23	19 2	19 23	24 21	15 2	1 6
W13	10 54	19 10	0n 2	13 36	0 32	19 49	0 44	18 34	0 28	22 9	0 46	3 31	2 8	12 4	0 29	8 9	1 47	25 39	11 23	19 2	19 22	24 20	15 3	1 7
T 14	11 15	23 9	1 17	14 29	0 42	20 9	0 47	18 45	0 29	22 8	0 46	3 28	2 8	12 3	0 29	8 10	1 47	25 39	11 24	19 2	19 21	24 19	15 5	1 7
F 15	11 36	25 50	2 28	15 20	0 53	20 29	0 49	18 56	0 29	22 7	0 46	3 26	2 9	12 2	0 29	8 11	1 47	25 39	11 24	19 3	19 21	24 18	15 6	1 7
S 16	11 56	26 54	3 31	16 10	1 3	20 48	0 52	19 7	0 30	22 6	0 46	3 23	2 9	12 1	0 29	8 11	1 47	25 39	11 24	19 3	19 20	24 16	15 7	1 7
S 17	12 16	26 13	4 22	16 57	1 13	21 6	0 54	19 18	0 30	22 5	0 46	3 21	2 9	12 0	0 29	8 12	1 47	25 39	11 25	19 3	19 19	24 15	15 8	1 7
M18	12 36	23 51	4 57	17 43	1 22	21 24	0 57	19 29	0 31	22 4	0 46	3 18	2 9	11 59	0 29	8 13	1 47	25 39	11 25	19 3	19 18	24 14	15 9	1 7
T 19	12 56	20 1	5 13	18 27	1 31	21 41	1 0	19 39	0 31	22 2	0 46	3 16	2 9	11 59	0 29	8 14	1 47	25 39	11 25	19 3	19 18	24 13	15 11	1 7
W20	13 16	15 3	5 11	19 8	1 39	21 58	1 2	19 50	0 32	22 1	0 46	3 13	2 9	11 58	0 29	8 15	1 47	25 39	11 26	19 3	19 17	24 11	15 12	1 7
T 21	13 35	9 18	4 50	19 47	1 47	22 14	1 5	20 0	0 32	22 0	0 46	3 11	2 9	11 57	0 29	8 16	1 47	25 40	11 26	19 2	19 16	24 10	15 13	1 7
F 22	13 54	3 8	4 11	20 23	1 54	22 30	1 7	20 10	0 33	21 59	0 46	3 9	2 10	11 56	0 29	8 16	1 47	25 40	11 26	19 2	19 15	24 9	15 14	1 7
S 23	14 13	3s 7	3 19	20 57	2 1	22 45	1 10	20 20	0 33	21 58	0 46	3 6	2 10	11 55	0 29	8 17	1 47	25 40	11 27	19 1	19 15	24 7	15 15	1 7
S 24	14 32	9 8	2 15	21 28	2 7	22 59	1 12	20 29	0 34	21 56	0 46	3 4	2 10	11 54	0 29	8 18	1 47	25 40	11 27	19 1	19 14	24 6	15 16	1 7
M25	14 50	14 38	1 6	21 57	2 12	23 13	1 15	20 39	0 34	21 55	0 45	3 1	2 10	11 53	0 29	8 19	1 47	25 40	11 27	19 1	19 13	24 5	15 18	1 7
T 26	15 8	19 21	0s 6	22 24	2 16	23 26	1 17	20 48	0 35	21 54	0 45	2 59	2 10	11 53	0 29	8 20	1 47	25 40	11 28	19 0	19 12	24 4	15 19	1 7
W27	15 26	23 3	1 15	22 48	2 19	23 38	1 19	20 57	0 35	21 52	0 45	2 57	2 10	11 52	0 29	8 20	1 47	25 40	11 28	19 1	19 12	24 2	15 20	1 8
T 28	15 44	25 35	2 20	23 9	2 22	23 50	1 21	21 6	0 36	21 51	0 45	2 55	2 11	11 51	0 29	8 21	1 47	25 41	11 28	19 1	19 11	24 1	15 21	1 8
F 29	16 2	26 49	3 17	23 28	2 24	24 1	1 24	21 15	0 36	21 49	0 45	2 52	2 11	11 50	0 29	8 22	1 47	25 41	11 28	19 1	19 10	24 0	15 22	1 8
S 30	16n19	26s45	4s 5	23n45	2n25	24n11	1n26	21n23	0n37	21n48	0n45	2s50	2s11	11s49	0n29	8n23	1s47	25s41	11s29	19n 1	19n 9	23s58	15n23	1s 8

Julian Day Number = 2106121.5, Delta T = 20m25s
Ecliptic obliquity = 23°33'48, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°33'26, Lahiri = 10°40'26 Julian Calendar 1 Apr. 1054 == Greg. Calendar 7 Apr. 1054

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1054
geocentric

MAY 1054 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 57 14	15♉36'08	27♊ 5	7♊ 9	16♊39	3♊16	26♋ 8	28♓ 1	2°R 5	25♈54	20♒11	24♉38	25♉ 7	4♒19	15♉15	S 1
M 2	15 1 10	16°33'47	8♒59	8°28	17°50	3°56	26°16	28° 7	2♏ 2	25°56	20°11	24°38	25° 3	4°25	15°19	M 2
T 3	15 5 7	17°31'24	20°53	9°44	19° 2	4°36	26°24	28°12	2° 0	25°58	20°11	24°R38	25° 0	4°32	15°23	T 3
W 4	15 9 3	18°29'00	2♓53	10°56	20°14	5°17	26°32	28°18	1°58	26° 0	20°12	24°38	24°57	4°39	15°27	W 4
T 5	15 13 0	19°26'35	15° 3	12° 4	21°25	5°57	26°40	28°24	1°55	26° 2	20°12	24°37	24°54	4°45	15°32	T 5
F 6	15 16 56	20°24'09	27°28	13° 9	22°37	6°37	26°49	28°30	1°53	26° 5	20°12	24°37	24°51	4°52	15°36	F 6
S 7	15 20 53	21°21'42	10♈10	14° 9	23°49	7°18	26°57	28°35	1°51	26° 7	20°12	24°36	24°48	4°59	15°40	S 7
S 8	15 24 49	22°19'14	23°12	15° 6	25° 0	7°58	27° 6	28°41	1°48	26° 9	20°13	24°36	24°44	5° 6	15°44	S 8
M 9	15 28 46	23°16'45	6♉35	15°59	26°11	8°38	27°14	28°46	1°46	26°11	20°13	24°36	24°41	5°12	15°49	M 9
T 10	15 32 43	24°14'15	20°17	16°47	27°23	9°18	27°23	28°51	1°44	26°13	20°13	24°36	24°38	5°19	15°53	T 10
W11	15 36 39	25°11'45	4♊17	17°32	28°34	9°58	27°32	28°57	1°41	26°15	20°13	24°36	24°35	5°26	15°57	W11
T 12	15 40 36	26° 9'13	18°31	18°12	29°45	10°38	27°41	29° 2	1°39	26°17	20°13	24°36	24°32	5°32	16° 1	T 12
F 13	15 44 32	27° 6'40	2♋55	18°48	0♋56	11°18	27°50	29° 7	1°37	26°19	20°13	24°36	24°28	5°39	16° 6	F 13
S 14	15 48 29	28° 4'06	17°23	19°20	2° 7	11°58	28° 0	29°12	1°35	26°21	20°13	24°35	24°25	5°46	16°10	S 14
S 15	15 52 25	29° 1'31	1♌50	19°47	3°19	12°38	28° 9	29°17	1°33	26°23	20°13	24°35	24°22	5°53	16°14	S 15
M16	15 56 22	29°58'54	16°13	20°10	4°29	13°18	28°18	29°22	1°31	26°25	20°R13	24°35	24°19	5°59	16°18	M16
T 17	16 0 19	0♊56'16	0♍26	20°28	5°40	13°58	28°28	29°27	1°28	26°27	20°13	24°D35	24°16	6° 6	16°22	T 17
W18	16 4 15	1°53'37	14°30	20°42	6°51	14°38	28°38	29°32	1°26	26°29	20°13	24°35	24°13	6°13	16°27	W18
T 19	16 8 12	2°50'57	28°20	20°51	8° 2	15°18	28°47	29°37	1°24	26°31	20°13	24°35	24° 9	6°20	16°31	T 19
F 20	16 12 8	3°48'16	11♎58	20°R55	9°13	15°58	28°57	29°41	1°22	26°33	20°13	24°36	24° 6	6°26	16°35	F 20
S 21	16 16 5	4°45'34	25°22	20°55	10°23	16°38	29° 7	29°46	1°20	26°34	20°13	24°37	24° 3	6°33	16°39	S 21
S 22	16 20 1	5°42'51	8♏32	20°51	11°34	17°17	29°17	29°50	1°18	26°36	20°13	24°38	24° 0	6°40	16°43	S 22
M23	16 23 58	6°40'07	21°29	20°42	12°44	17°57	29°27	29°55	1°16	26°38	20°13	24°R38	23°57	6°46	16°47	M23
T 24	16 27 54	7°37'22	4♐13	20°28	13°55	18°37	29°37	29°59	1°15	26°40	20°12	24°38	23°54	6°53	16°51	T 24
W25	16 31 51	8°34'37	16°45	20°11	15° 5	19°16	29°48	0♈ 3	1°13	26°42	20°12	24°37	23°50	7° 0	16°55	W25
T 26	16 35 48	9°31'51	29° 4	19°51	16°15	19°56	29°58	0° 7	1°11	26°43	20°12	24°35	23°47	7° 7	16°59	T 26
F 27	16 39 44	10°29'04	11♑13	19°27	17°25	20°36	0♌ 9	0°12	1° 9	26°45	20°12	24°33	23°44	7°13	17° 3	F 27
S 28	16 43 41	11°26'18	23°14	18°59	18°35	21°15	0°19	0°16	1° 7	26°47	20°11	24°31	23°41	7°20	17° 7	S 28
S 29	16 47 37	12°23'31	5♒10	18°30	19°45	21°55	0°30	0°19	1° 6	26°49	20°11	24°28	23°38	7°27	17°11	S 29
M30	16 51 34	13°20'43	17° 2	17°58	20°55	22°34	0°40	0°23	1° 4	26°50	20°11	24°26	23°34	7°33	17°15	M30
T 31	16 55 30	14♊17'55	28♒56	17♊25	22♋ 5	23♊14	0♌51	0♈27	1♏ 2	26♈52	20♒10	24♉24	23♉31	7♒40	17♉19	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n36	25s26	4s41	24n 0	2n25	24n21	1n28	21n32	0n37	21n46	0n45	2s48	2s11	11s48	0n29	8n23	1s47	25s41	11s29	19n 1	19n 8	23s57	15n25	1s 8
M 2	16 52	23 0	5 5	24 12	2 24	24 30	1 30	21 40	0 38	21 45	0 45	2 46	2 11	11 48	0 29	8 24	1 47	25 41	11 30	19 2	19 8	23 56	15 26	1 8
T 3	17 9	19 35	5 16	24 22	2 22	24 38	1 32	21 48	0 38	21 43	0 45	2 44	2 12	11 47	0 29	8 25	1 47	25 41	11 30	19 2	19 7	23 54	15 27	1 8
W 4	17 25	15 22	5 13	24 30	2 20	24 46	1 34	21 56	0 39	21 42	0 45	2 41	2 12	11 46	0 29	8 26	1 47	25 42	11 30	19 2	19 6	23 53	15 28	1 8
T 5	17 41	10 28	4 57	24 36	2 16	24 53	1 36	22 3	0 39	21 40	0 45	2 39	2 12	11 45	0 29	8 26	1 47	25 42	11 31	19 1	19 5	23 52	15 29	1 8
F 6	17 56	5 5	4 26	24 41	2 12	24 59	1 38	22 11	0 40	21 38	0 45	2 37	2 12	11 44	0 29	8 27	1 47	25 42	11 31	19 1	19 5	23 50	15 30	1 8
S 7	18 12	0n39	3 42	24 43	2 7	25 5	1 40	22 18	0 40	21 37	0 45	2 35	2 12	11 44	0 29	8 28	1 47	25 42	11 31	19 1	19 4	23 49	15 32	1 8
S 8	18 27	6 30	2 45	24 44	2 1	25 10	1 42	22 25	0 41	21 35	0 45	2 33	2 13	11 43	0 29	8 29	1 48	25 43	11 32	19 1	19 3	23 47	15 33	1 8
M 9	18 41	12 14	1 38	24 43	1 54	25 14	1 43	22 32	0 41	21 33	0 45	2 31	2 13	11 42	0 29	8 29	1 48	25 43	11 32	19 1	19 2	23 46	15 34	1 9
T 10	18 56	17 31	0 24	24 40	1 46	25 17	1 45	22 39	0 41	21 32	0 45	2 29	2 13	11 41	0 29	8 30	1 48	25 43	11 32	19 1	19 2	23 45	15 35	1 9
W11	19 10	21 59	0n53	24 36	1 38	25 20	1 47	22 45	0 42	21 30	0 45	2 27	2 13	11 40	0 29	8 31	1 48	25 43	11 33	19 1	19 1	23 43	15 36	1 9
T 12	19 23	25 12	2 9	24 30	1 28	25 22	1 48	22 51	0 42	21 28	0 45	2 26	2 13	11 40	0 29	8 31	1 48	25 44	11 33	19 1	19 0	23 42	15 37	1 9
F 13	19 37	26 49	3 17	24 23	1 18	25 23	1 49	22 57	0 43	21 26	0 45	2 24	2 14	11 39	0 29	8 32	1 48	25 44	11 33	19 1	18 59	23 40	15 38	1 9
S 14	19 50	26 36	4 12	24 14	1 7	25 24	1 51	23 3	0 43	21 24	0 45	2 22	2 14	11 38	0 29	8 33	1 48	25 44	11 34	19 1	18 58	23 39	15 40	1 9
S 15	20 3	24 36	4 52	24 4	0 55	25 23	1 52	23 9	0 44	21 22	0 45	2 20	2 14	11 37	0 29	8 34	1 48	25 45	11 34	19 1	18 58	23 37	15 41	1 9
M16	20 15	21 2	5 13	23 53	0 42	25 22	1 53	23 15	0 44	21 20	0 45	2 18	2 14	11 37	0 29	8 34	1 48	25 45	11 34	19 1	18 57	23 36	15 42	1 9
T 17	20 27	16 17	5 15	23 41	0 28	25 21	1 55	23 20	0 44	21 18	0 45	2 17	2 15	11 36	0 29	8 35	1 48	25 45	11 35	19 1	18 56	23 35	15 43	1 9
W18	20 39	10 42	4 58	23 28	0 14	25 19	1 56	23 25	0 45	21 16	0 45	2 15	2 15	11 35	0 29	8 36	1 48	25 46	11 35	19 1	18 55	23 33	15 44	1 9
T 19	20 50	4 41	4 23	23 14	0s 1	25 15	1 57	23 30	0 45	21 14	0 45	2 13	2 15	11 35	0 29	8 36	1 48	25 46	11 35	19 1	18 55	23 32	15 45	1 9
F 20	21 1	1s28	3 35	22 59	0 16	25 12	1 57	23 35	0 46	21 12	0 45	2 11	2 15	11 34	0 29	8 37	1 48	25 46	11 36	19 1	18 54	23 30	15 46	1 10
S 21	21 12	7 27	2 35	22 43	0 32	25 7	1 58	23 39	0 46	21 10	0 45	2 10	2 15	11 33	0 29	8 37	1 48	25 47	11 36	19 1	18 53	23 29	15 47	1 10
S 22	21 22	13 2	1 28	22 26	0 48	25 2	1 59	23 43	0 47	21 8	0 45	2 8	2 16	11 33	0 28	8 38	1 48	25 47	11 36	19 1	18 52	23 27	15 48	1 10
M23	21 32	17 57	0 17	22 9	1 5	24 56	2 0	23 48	0 47	21 6	0 45	2 7	2 16	11 32	0 28	8 39	1 48	25 47	11 37	19 2	18 51	23 26	15 49	1 10
T 24	21 42	21 58	0s53	21 51	1 22	24 50	2 0	23 51	0 47	21 4	0 45	2 5	2 16	11 31	0 28	8 39	1 48	25 48	11 37	19 1	18 51	23 24	15 50	1 10
W25	21 51	24 52	1 59	21 33	1 39	24 42	2 1	23 55	0 48	21 2	0 45	2 4	2 16	11 31	0 28	8 40	1 48	25 48	11 37	19 1	18 50	23 23	15 51	1 10
T 26	22 0	26 32	2 59	21 15	1 56	24 34	2 1	23 59	0 48	20 59	0 45	2 2	2 17	11 30	0 28	8 41	1 48	25 49	11 38	19 1	18 49	23 21	15 52	1 10
F 27	22 8	26 54	3 49	20 56	2 13	24 26	2 2	24 2	0 48	20 57	0 45	2 1	2 17	11 30	0 28	8 41	1 48	25 49	11 38	19 0	18 48	23 20	15 53	1 10
S 28	22 16	25 58	4 29	20 38	2 29	24 17	2 2	24 5	0 49	20 55	0 45	2 0	2 17	11 29	0 28	8 42	1 48	25 49	11 38	19 0	18 47	23 18	15 55	1 10
S 29	22 24	23 52	4 57	20 20	2 45	24 7	2 2	24 8	0 49	20 53	0 45	1 58	2 17	11 28	0 28	8 42	1 48	25 50	11 39	18 59	18 47	23 17	15 56	1 11
M30	22 31	20 46	5 12	20 2	3 0	23 56	2 2	24 11	0 50	20 50	0 45	1 57	2 18	11 28	0 28	8 43	1 48	25 50	11 39	18 59	18 46	23 15	15 57	1 11
T 31	22n38	16s48	5s14	19n44	3s14	23n45	2n 2	24n13	0n50	20n48	0n45	1s56	2s18	11s27	0n28	8n43	1s48	25s51	11s39	18n58	18n45	23s14	15n58	1s11

Julian Day Number = 2106151.5, Delta T = 20m24s
Ecliptic obliquity = 23°33'48, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°33'30, Lahiri = 10°40'30 Julian Calendar 1 May 1054 == Greg. Calendar 7 May 1054

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1054
geocentric

JUNE 1054 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 59 27	15♊15'08	10♓55	16°R51	23♋15	23♊53	1♌ 2	0♈31	1°R 1	26♈54	20°R10	24°D23	23♉28	7♒47	17♉23	W 1
T 2	17 3 23	16°12'19	23° 4	16♊16	24°24	24°33	1°13	0°34	0♏59	26°55	20♒10	24♉24	23°25	7°54	17°27	T 2
F 3	17 7 20	17° 9'31	5♈27	15°41	25°34	25°12	1°24	0°38	0°58	26°57	20° 9	24°24	23°22	8° 0	17°31	F 3
S 4	17 11 17	18° 6'43	18° 9	15° 8	26°43	25°51	1°35	0°41	0°56	26°59	20° 9	24°26	23°19	8° 7	17°35	S 4
S 5	17 15 13	19° 3'55	1♉13	14°35	27°53	26°31	1°46	0°45	0°55	27° 0	20° 8	24°27	23°15	8°14	17°39	S 5
M 6	17 19 10	20° 1'07	14°42	14° 5	29° 2	27°10	1°57	0°48	0°54	27° 2	20° 8	24°28	23°12	8°20	17°42	M 6
T 7	17 23 6	20°58'18	28°35	13°37	0♌11	27°49	2° 9	0°51	0°52	27° 3	20° 7	24°R29	23° 9	8°27	17°46	T 7
W 8	17 27 3	21°55'30	12♊52	13°12	1°20	28°29	2°20	0°54	0°51	27° 5	20° 7	24°28	23° 6	8°34	17°50	W 8
T 9	17 30 59	22°52'42	27°28	12°50	2°29	29° 8	2°32	0°57	0°50	27° 6	20° 6	24°25	23° 3	8°41	17°54	T 9
F 10	17 34 56	23°49'53	12♋18	12°32	3°38	29°47	2°43	1° 0	0°49	27° 7	20° 5	24°22	23° 0	8°47	17°57	F 10
S 11	17 38 52	24°47'05	27°12	12°18	4°47	0♋26	2°55	1° 3	0°47	27° 9	20° 5	24°18	22°56	8°54	18° 1	S 11
S 12	17 42 49	25°44'16	12♌ 2	12° 9	5°55	1° 6	3° 6	1° 5	0°46	27°10	20° 4	24°14	22°53	9° 1	18° 5	S 12
M13	17 46 46	26°41'27	26°42	12° 4	7° 4	1°45	3°18	1° 8	0°45	27°12	20° 4	24°10	22°50	9° 7	18° 8	M13
T 14	17 50 42	27°38'37	11♍ 6	12°D 4	8°12	2°24	3°30	1°10	0°44	27°13	20° 3	24° 8	22°47	9°14	18°12	T 14
W15	17 54 39	28°35'47	25°10	12° 8	9°21	3° 3	3°41	1°13	0°43	27°14	20° 2	24°D 7	22°44	9°21	18°15	W15
T 16	17 58 35	29°32'57	8♎55	12°18	10°29	3°42	3°53	1°15	0°42	27°16	20° 1	24° 7	22°40	9°28	18°19	T 16
F 17	18 2 32	0♋30'06	22°19	12°33	11°37	4°21	4° 5	1°17	0°42	27°17	20° 1	24° 8	22°37	9°34	18°22	F 17
S 18	18 6 28	1°27'16	5♏26	12°53	12°45	5° 0	4°17	1°19	0°41	27°18	20° 0	24°10	22°34	9°41	18°26	S 18
S 19	18 10 25	2°24'25	18°16	13°18	13°53	5°39	4°29	1°21	0°40	27°19	19°59	24°R11	22°31	9°48	18°29	S 19
M20	18 14 21	3°21'35	0♐54	13°48	15° 1	6°18	4°41	1°23	0°39	27°20	19°58	24°11	22°28	9°55	18°32	M20
T 21	18 18 18	4°18'45	13°20	14°23	16° 8	6°57	4°53	1°25	0°39	27°21	19°58	24° 9	22°25	10° 1	18°36	T 21
W22	18 22 15	5°15'54	25°36	15° 4	17°16	7°36	5° 5	1°27	0°38	27°23	19°57	24° 5	22°21	10° 8	18°39	W22
T 23	18 26 11	6°13'05	7♑45	15°49	18°23	8°15	5°18	1°29	0°37	27°24	19°56	24° 0	22°18	10°15	18°42	T 23
F 24	18 30 8	7°10'15	19°46	16°39	19°30	8°54	5°30	1°30	0°37	27°25	19°55	23°53	22°15	10°21	18°45	F 24
S 25	18 34 4	8° 7'26	1♒43	17°35	20°37	9°33	5°42	1°31	0°36	27°26	19°54	23°45	22°12	10°28	18°48	S 25
S 26	18 38 1	9° 4'37	13°36	18°35	21°44	10°12	5°54	1°33	0°36	27°27	19°53	23°36	22° 9	10°35	18°52	S 26
M27	18 41 57	10° 1'49	25°28	19°40	22°51	10°50	6° 7	1°34	0°36	27°28	19°52	23°29	22° 6	10°42	18°55	M27
T 28	18 45 54	10°59'01	7♓22	20°49	23°57	11°29	6°19	1°35	0°35	27°29	19°51	23°22	22° 2	10°48	18°58	T 28
W29	18 49 51	11°56'15	19°20	22° 4	25° 4	12° 8	6°32	1°36	0°35	27°29	19°50	23°18	21°59	10°55	19° 1	W29
T 30	18 53 47	12♋53'28	1♈27	23♊23	26♌10	12♋47	6♌44	1♈37	0♏35	27♈30	19♒50	23♉15	21♉56	11♒ 2	19♉ 4	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n45	12s 9	5s 2	19n28	3s28	23n33	2n 2	24n16	0n50	20n45	0n45	1s54	2s18	11s27	0n28	8n44	1s48	25s51	11s39	18n58	18n44	23s12	15n59	1s11
T 2	22 51	6 59	4 36	19 12	3 40	23 21	2 2	24 18	0 51	20 43	0 45	1 53	2 18	11 26	0 28	8 45	1 48	25 51	11 40	18 58	18 43	23 10	16 0	1 11
F 3	22 56	1 27	3 58	18 57	3 52	23 8	2 1	24 20	0 51	20 41	0 45	1 52	2 19	11 26	0 28	8 45	1 48	25 52	11 40	18 58	18 43	23 9	16 0	1 11
S 4	23 2	4n17	3 6	18 43	4 2	22 54	2 1	24 21	0 51	20 38	0 45	1 51	2 19	11 25	0 28	8 46	1 49	25 52	11 40	18 59	18 42	23 7	16 1	1 11
S 5	23 7	10 1	2 4	18 31	4 10	22 40	2 0	24 23	0 52	20 36	0 45	1 50	2 19	11 25	0 28	8 46	1 49	25 53	11 41	18 59	18 41	23 6	16 2	1 11
M 6	23 11	15 29	0 53	18 21	4 18	22 25	2 0	24 24	0 52	20 33	0 45	1 49	2 19	11 24	0 28	8 47	1 49	25 53	11 41	18 59	18 40	23 4	16 3	1 12
T 7	23 15	20 19	0n23	18 12	4 23	22 9	1 59	24 25	0 53	20 31	0 45	1 48	2 20	11 24	0 28	8 47	1 49	25 54	11 41	18 59	18 39	23 3	16 4	1 12
W 8	23 19	24 6	1 39	18 4	4 28	21 53	1 58	24 26	0 53	20 28	0 45	1 47	2 20	11 23	0 28	8 48	1 49	25 54	11 42	18 59	18 39	23 1	16 5	1 12
T 9	23 22	26 23	2 51	17 59	4 30	21 37	1 57	24 27	0 53	20 25	0 45	1 46	2 20	11 23	0 28	8 48	1 49	25 55	11 42	18 58	18 38	22 59	16 6	1 12
F 10	23 25	26 51	3 52	17 55	4 32	21 19	1 56	24 27	0 54	20 23	0 45	1 45	2 21	11 23	0 28	8 49	1 49	25 55	11 42	18 58	18 37	22 58	16 7	1 12
S 11	23 28	25 22	4 38	17 54	4 32	21 2	1 55	24 28	0 54	20 20	0 45	1 44	2 21	11 22	0 28	8 49	1 49	25 56	11 43	18 57	18 36	22 56	16 8	1 12
S 12	23 30	22 9	5 5	17 54	4 30	20 44	1 54	24 28	0 54	20 17	0 45	1 43	2 21	11 22	0 28	8 50	1 49	25 56	11 43	18 56	18 35	22 55	16 9	1 12
M13	23 31	17 33	5 12	17 56	4 28	20 25	1 53	24 28	0 55	20 15	0 45	1 42	2 21	11 22	0 28	8 50	1 49	25 57	11 43	18 55	18 35	22 53	16 10	1 12
T 14	23 33	12 2	4 58	18 0	4 24	20 6	1 51	24 27	0 55	20 12	0 45	1 42	2 22	11 21	0 28	8 50	1 49	25 57	11 43	18 54	18 34	22 51	16 11	1 13
W15	23 33	6 1	4 27	18 5	4 19	19 46	1 50	24 27	0 55	20 9	0 45	1 41	2 22	11 21	0 28	8 51	1 49	25 58	11 44	18 54	18 33	22 50	16 11	1 13
T 16	23 34	0s 9	3 42	18 13	4 12	19 26	1 48	24 26	0 56	20 6	0 45	1 40	2 22	11 21	0 28	8 51	1 49	25 58	11 44	18 54	18 32	22 48	16 12	1 13
F 17	23 34	6 11	2 45	18 22	4 5	19 5	1 46	24 25	0 56	20 4	0 45	1 40	2 22	11 20	0 28	8 52	1 49	25 59	11 44	18 54	18 31	22 46	16 13	1 13
S 18	23 33	11 49	1 40	18 33	3 57	18 44	1 44	24 24	0 56	20 1	0 45	1 39	2 23	11 20	0 28	8 52	1 49	25 59	11 45	18 55	18 30	22 45	16 14	1 13
S 19	23 32	16 51	0 32	18 45	3 48	18 23	1 42	24 23	0 56	19 58	0 45	1 39	2 23	11 20	0 28	8 52	1 49	26 0	11 45	18 55	18 30	22 43	16 15	1 13
M20	23 31	21 2	0s36	18 58	3 38	18 1	1 40	24 21	0 57	19 55	0 45	1 38	2 23	11 20	0 28	8 53	1 49	26 0	11 45	18 55	18 29	22 41	16 15	1 13
T 21	23 30	24 12	1 42	19 12	3 28	17 38	1 38	24 20	0 57	19 52	0 45	1 38	2 24	11 19	0 28	8 53	1 49	26 1	11 45	18 54	18 28	22 40	16 16	1 13
W22	23 27	26 11	2 42	19 28	3 16	17 16	1 36	24 18	0 57	19 49	0 45	1 37	2 24	11 19	0 28	8 53	1 49	26 1	11 46	18 53	18 27	22 38	16 17	1 14
T 23	23 25	26 53	3 34	19 45	3 5	16 53	1 33	24 16	0 58	19 46	0 45	1 37	2 24	11 19	0 28	8 54	1 50	26 2	11 46	18 52	18 26	22 36	16 18	1 14
F 24	23 22	26 18	4 15	20 2	2 52	16 29	1 31	24 14	0 58	19 43	0 45	1 36	2 24	11 19	0 28	8 54	1 50	26 2	11 46	18 50	18 26	22 35	16 19	1 14
S 25	23 19	24 31	4 45	20 20	2 40	16 5	1 28	24 11	0 58	19 40	0 45	1 36	2 25	11 19	0 28	8 54	1 50	26 3	11 46	18 48	18 25	22 33	16 19	1 14
S 26	23 15	21 39	5 3	20 38	2 27	15 41	1 25	24 9	0 59	19 37	0 45	1 36	2 25	11 19	0 27	8 55	1 50	26 3	11 47	18 46	18 24	22 31	16 20	1 14
M27	23 11	17 54	5 7	20 56	2 14	15 16	1 23	24 6	0 59	19 34	0 45	1 36	2 25	11 19	0 27	8 55	1 50	26 4	11 47	18 44	18 23	22 29	16 21	1 14
T 28	23 6	13 28	4 58	21 15	2 0	14 51	1 20	24 3	0 59	19 31	0 45	1 35	2 26	11 19	0 27	8 55	1 50	26 4	11 47	18 43	18 22	22 28	16 21	1 14
W29	23 1	8 29	4 36	21 33	1 46	14 26	1 17	24 0	0 59	19 28	0 45	1 35	2 26	11 18	0 27	8 56	1 50	26 5	11 47	18 42	18 21	22 26	16 22	1 15
T 30	22n56	3s 7	4s 2	21n51	1s33	14n 1	1n13	23n56	1n 0	19n25	0n45	1s35	2s26	11s18	0n27	8n56	1s50	26s 5	11s48	18n41	18n21	22s24	16n23	1s15

Julian Day Number = 2106182.5, Delta T = 20m24s
Ecliptic obliquity = 23°33'48, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°33'34, Lahiri = 10°40'34 Julian Calendar 1 June 1054 == Greg. Calendar 7 June 1054

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1054
geocentric

JULY 1054 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 57 44	13♋50'43	13♈47	24♊46	27♌16	13♋26	6♌57	1♈38	0°R35	27♈31	19°R49	23°D14	21♉53	11♒ 8	19♉ 6	F 1
S 2	19 1 40	14°47'59	26°25	26°14	28°22	14° 4	7° 9	1°39	0♏34	27°32	19♒48	23♉15	21°50	11°15	19° 9	S 2
S 3	19 5 37	15°45'15	9♉25	27°46	29°28	14°43	7°22	1°39	0°34	27°33	19°47	23°16	21°46	11°22	19°12	S 3
M 4	19 9 33	16°42'33	22°51	29°22	0♍33	15°22	7°34	1°40	0°D34	27°33	19°45	23°R17	21°43	11°29	19°15	M 4
T 5	19 13 30	17°39'51	6♊46	1♋ 2	1°38	16° 0	7°47	1°40	0°34	27°34	19°44	23°16	21°40	11°35	19°18	T 5
W 6	19 17 26	18°37'10	21° 8	2°45	2°44	16°39	8° 0	1°40	0°34	27°35	19°43	23°13	21°37	11°42	19°20	W 6
T 7	19 21 23	19°34'31	5♋54	4°32	3°49	17°18	8°13	1°41	0°35	27°36	19°42	23° 8	21°34	11°49	19°23	T 7
F 8	19 25 20	20°31'52	20°58	6°23	4°54	17°56	8°25	1°R41	0°35	27°36	19°41	23° 1	21°31	11°56	19°26	F 8
S 9	19 29 16	21°29'14	6♌11	8°16	5°58	18°35	8°38	1°41	0°35	27°37	19°40	22°52	21°27	12° 2	19°28	S 9
S 10	19 33 13	22°26'37	21°22	10°12	7° 3	19°14	8°51	1°40	0°35	27°37	19°39	22°44	21°24	12° 9	19°31	S 10
M11	19 37 9	23°24'00	6♍21	12°10	8° 7	19°52	9° 4	1°40	0°36	27°38	19°38	22°36	21°21	12°16	19°33	M11
T 12	19 41 6	24°21'24	20°59	14°10	9°11	20°31	9°17	1°40	0°36	27°38	19°37	22°30	21°18	12°22	19°35	T 12
W13	19 45 2	25°18'48	5♎12	16°11	10°15	21° 9	9°30	1°39	0°37	27°39	19°36	22°26	21°15	12°29	19°38	W13
T 14	19 48 59	26°16'14	18°59	18°14	11°18	21°48	9°42	1°39	0°37	27°39	19°34	22°25	21°12	12°36	19°40	T 14
F 15	19 52 55	27°13'40	2♏21	20°18	12°21	22°26	9°55	1°38	0°38	27°40	19°33	22°D24	21° 8	12°43	19°42	F 15
S 16	19 56 52	28°11'06	15°19	22°22	13°24	23° 5	10° 8	1°38	0°38	27°40	19°32	22°25	21° 5	12°49	19°44	S 16
S 17	20 0 49	29° 8'34	27°59	24°27	14°27	23°43	10°21	1°37	0°39	27°40	19°31	22°R25	21° 2	12°56	19°46	S 17
M18	20 4 45	0♑ 6'02	10♐24	26°32	15°30	24°22	10°34	1°36	0°40	27°41	19°30	22°23	20°59	13° 3	19°49	M18
T 19	20 8 42	1° 3'31	22°38	28°36	16°32	25° 0	10°47	1°35	0°40	27°41	19°29	22°20	20°56	13° 9	19°51	T 19
W20	20 12 38	2° 1'02	4♑43	0♑40	17°34	25°39	11° 0	1°34	0°41	27°41	19°27	22°13	20°52	13°16	19°53	W20
T 21	20 16 35	2°58'33	16°42	2°43	18°36	26°17	11°13	1°32	0°42	27°41	19°26	22° 4	20°49	13°23	19°54	T 21
F 22	20 20 31	3°56'05	28°38	4°46	19°37	26°55	11°26	1°31	0°43	27°41	19°25	21°53	20°46	13°30	19°56	F 22
S 23	20 24 28	4°53'39	10♒31	6°47	20°38	27°34	11°39	1°30	0°44	27°41	19°24	21°40	20°43	13°36	19°58	S 23
S 24	20 28 24	5°51'14	22°24	8°47	21°39	28°12	11°52	1°28	0°45	27°42	19°22	21°27	20°40	13°43	20° 0	S 24
M25	20 32 21	6°48'50	4♓17	10°46	22°39	28°50	12° 6	1°26	0°46	27°42	19°21	21°14	20°37	13°50	20° 2	M25
T 26	20 36 18	7°46'27	16°13	12°44	23°39	29°29	12°19	1°25	0°47	27°R42	19°20	21° 4	20°33	13°57	20° 3	T 26
W27	20 40 14	8°44'06	28°13	14°41	24°39	0♑ 7	12°32	1°23	0°48	27°42	19°19	20°55	20°30	14° 3	20° 5	W27
T 28	20 44 11	9°41'46	10♈21	16°36	25°39	0°45	12°45	1°21	0°50	27°42	19°17	20°49	20°27	14°10	20° 6	T 28
F 29	20 48 7	10°39'28	22°41	18°30	26°38	1°24	12°58	1°19	0°51	27°41	19°16	20°46	20°24	14°17	20° 8	F 29
S 30	20 52 4	11°37'12	5♉17	20°23	27°36	2° 2	13°11	1°17	0°52	27°41	19°15	20°45	20°21	14°23	20° 9	S 30
S 31	20 56 0	12♑34'58	18♉12	22♑14	28♍35	2♑40	13♑24	1♈14	0♏54	27♈41	19♒13	20♉45	20♉18	14♒30	20♉10	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n50	2n28	3s16	22n 9	1s19	13n35	1n10	23n53	1n 0	19n21	0n45	1s35	2s26	11s18	0n27	8n56	1s50	26s 6	11s48	18n41	18n20	22s22	16n23	1s15
S 2	22 44	8 5	2 19	22 25	1 5	13 9	1 7	23 49	1 0	19 18	0 45	1 35	2 27	11 18	0 27	8 56	1 50	26 6	11 48	18 41	18 19	22 21	16 24	1 15
S 3	22 38	13 32	1 14	22 41	0 52	12 42	1 3	23 45	1 1	19 15	0 45	1 35	2 27	11 18	0 27	8 56	1 50	26 7	11 48	18 41	18 18	22 19	16 25	1 15
M 4	22 31	18 33	0 2	22 55	0 38	12 16	1 0	23 41	1 1	19 12	0 45	1 35	2 27	11 18	0 27	8 57	1 50	26 8	11 48	18 41	18 17	22 17	16 25	1 15
T 5	22 23	22 44	1n12	23 8	0 25	11 49	0 56	23 37	1 1	19 9	0 45	1 35	2 28	11 18	0 27	8 57	1 50	26 8	11 49	18 41	18 17	22 15	16 26	1 16
W 6	22 16	25 39	2 23	23 20	0 12	11 22	0 52	23 32	1 1	19 5	0 45	1 35	2 28	11 18	0 27	8 57	1 50	26 9	11 49	18 40	18 16	22 14	16 26	1 16
T 7	22 8	26 53	3 27	23 29	0n 0	10 54	0 48	23 27	1 2	19 2	0 45	1 36	2 28	11 19	0 27	8 57	1 50	26 9	11 49	18 39	18 15	22 12	16 27	1 16
F 8	21 59	26 10	4 18	23 37	0 12	10 27	0 44	23 23	1 2	18 59	0 45	1 36	2 28	11 19	0 27	8 57	1 50	26 10	11 49	18 37	18 14	22 10	16 27	1 16
S 9	21 50	23 31	4 52	23 42	0 23	9 59	0 40	23 18	1 2	18 55	0 45	1 36	2 29	11 19	0 27	8 58	1 51	26 10	11 49	18 35	18 13	22 8	16 28	1 16
S 10	21 41	19 14	5 4	23 44	0 34	9 31	0 36	23 12	1 2	18 52	0 45	1 36	2 29	11 19	0 27	8 58	1 51	26 11	11 50	18 33	18 12	22 7	16 29	1 16
M11	21 31	13 48	4 56	23 44	0 44	9 3	0 31	23 7	1 3	18 49	0 45	1 37	2 29	11 19	0 27	8 58	1 51	26 11	11 50	18 31	18 12	22 5	16 29	1 16
T 12	21 21	7 41	4 28	23 42	0 54	8 35	0 27	23 1	1 3	18 45	0 45	1 37	2 30	11 19	0 27	8 58	1 51	26 12	11 50	18 29	18 11	22 3	16 30	1 17
W13	21 11	1 21	3 44	23 37	1 3	8 6	0 22	22 56	1 3	18 42	0 45	1 38	2 30	11 19	0 27	8 58	1 51	26 12	11 50	18 28	18 10	22 1	16 30	1 17
T 14	21 0	4s53	2 48	23 29	1 10	7 38	0 17	22 50	1 3	18 39	0 46	1 38	2 30	11 20	0 27	8 58	1 51	26 13	11 50	18 28	18 9	21 59	16 30	1 17
F 15	20 49	10 43	1 45	23 18	1 18	7 9	0 13	22 44	1 4	18 35	0 46	1 39	2 30	11 20	0 27	8 58	1 51	26 14	11 51	18 28	18 8	21 57	16 31	1 17
S 16	20 38	15 55	0 38	23 5	1 24	6 40	0 8	22 38	1 4	18 32	0 46	1 39	2 31	11 20	0 27	8 58	1 51	26 14	11 51	18 28	18 7	21 56	16 31	1 17
S 17	20 26	20 18	0s30	22 49	1 30	6 11	0 3	22 31	1 4	18 28	0 46	1 40	2 31	11 20	0 27	8 58	1 51	26 15	11 51	18 28	18 7	21 54	16 32	1 17
M18	20 14	23 41	1 34	22 30	1 34	5 43	0s 2	22 25	1 4	18 25	0 46	1 40	2 31	11 21	0 27	8 58	1 51	26 15	11 51	18 28	18 6	21 52	16 32	1 18
T 19	20 2	25 54	2 33	22 9	1 38	5 13	0 8	22 18	1 5	18 21	0 46	1 41	2 32	11 21	0 27	8 58	1 51	26 16	11 51	18 27	18 5	21 50	16 33	1 18
W20	19 49	26 53	3 24	21 46	1 41	4 44	0 13	22 11	1 5	18 18	0 46	1 42	2 32	11 21	0 27	8 58	1 51	26 16	11 51	18 25	18 4	21 48	16 33	1 18
T 21	19 36	26 35	4 6	21 20	1 44	4 15	0 18	22 4	1 5	18 14	0 46	1 43	2 32	11 22	0 27	8 58	1 51	26 17	11 51	18 23	18 3	21 46	16 33	1 18
F 22	19 22	25 3	4 37	20 53	1 45	3 46	0 24	21 57	1 5	18 10	0 46	1 43	2 32	11 22	0 27	8 58	1 51	26 17	11 52	18 20	18 2	21 44	16 34	1 18
S 23	19 8	22 25	4 55	20 23	1 46	3 17	0 30	21 50	1 5	18 7	0 46	1 44	2 33	11 22	0 27	8 58	1 51	26 18	11 52	18 17	18 1	21 43	16 34	1 18
S 24	18 54	18 51	5 0	19 52	1 47	2 47	0 35	21 42	1 6	18 3	0 46	1 45	2 33	11 23	0 27	8 58	1 51	26 18	11 52	18 13	18 1	21 41	16 34	1 19
M25	18 40	14 32	4 53	19 19	1 46	2 18	0 41	21 34	1 6	18 0	0 46	1 46	2 33	11 23	0 27	8 58	1 52	26 19	11 52	18 10	18 0	21 39	16 35	1 19
T 26	18 25	9 39	4 32	18 45	1 45	1 49	0 47	21 27	1 6	17 56	0 46	1 47	2 33	11 24	0 27	8 58	1 52	26 19	11 52	18 7	17 59	21 37	16 35	1 19
W27	18 10	4 23	4 0	18 10	1 44	1 20	0 53	21 19	1 6	17 52	0 46	1 48	2 34	11 24	0 27	8 58	1 52	26 20	11 52	18 5	17 58	21 35	16 35	1 19
T 28	17 55	1n 7	3 16	17 33	1 41	0 50	0 59	21 10	1 7	17 49	0 46	1 49	2 34	11 24	0 26	8 58	1 52	26 20	11 52	18 3	17 57	21 33	16 35	1 19
F 29	17 39	6 40	2 23	16 56	1 39	0 21	1 5	21 2	1 7	17 45	0 46	1 50	2 34	11 25	0 26	8 58	1 52	26 21	11 52	18 2	17 56	21 31	16 36	1 19
S 30	17 23	12 5	1 21	16 17	1 36	0s 8	1 12	20 54	1 7	17 41	0 46	1 51	2 34	11 25	0 26	8 58	1 52	26 21	11 52	18 2	17 56	21 29	16 36	1 20
S 31	17n 7	17n 7	0s13	15n37	1n32	0s37	1s18	20n45	1n 7	17n38	0n46	1s52	2s35	11s26	0n26	8n58	1s52	26s22	11s52	18n 2	17n55	21s27	16n36	1s20

Julian Day Number = 2106212.5, Delta T = 20m24s
Ecliptic obliquity = 23°33'48, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°33'38, Lahiri = 10°40'38 Julian Calendar 1 July 1054 == Greg. Calendar 7 July 1054

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1054
geocentric

AUGUST 1054 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 59 57	13♌32'45	1♊32	24♌ 3	29♍32	3♌19	13♌37	1°R12	0♏55	27°R41	19°R12	20°R45	20♉14	14♒37	20♉12	M 1
T 2	21 3 53	14°30'34	15°19	25°52	0♎30	3°57	13°50	1♈10	0°56	27♈41	19♒11	20♉43	20°11	14°44	20°13	T 2
W 3	21 7 50	15°28'25	29°35	27°39	1°27	4°35	14° 3	1° 7	0°58	27°41	19°10	20°40	20° 8	14°50	20°14	W 3
T 4	21 11 47	16°26'17	14♋17	29°24	2°24	5°13	14°16	1° 5	0°59	27°40	19° 8	20°33	20° 5	14°57	20°15	T 4
F 5	21 15 43	17°24'12	29°21	1♍ 9	3°20	5°52	14°30	1° 2	1° 1	27°40	19° 7	20°24	20° 2	15° 4	20°16	F 5
S 6	21 19 40	18°22'08	14♌39	2°52	4°16	6°30	14°43	0°59	1° 3	27°40	19° 6	20°14	19°58	15°11	20°17	S 6
S 7	21 23 36	19°20'05	29°58	4°33	5°11	7° 8	14°56	0°56	1° 4	27°39	19° 4	20° 3	19°55	15°17	20°18	S 7
M 8	21 27 33	20°18'04	15♍ 7	6°13	6° 5	7°46	15° 9	0°53	1° 6	27°39	19° 3	19°53	19°52	15°24	20°19	M 8
T 9	21 31 29	21°16'04	29°57	7°52	7° 0	8°24	15°22	0°50	1° 8	27°39	19° 2	19°44	19°49	15°31	20°20	T 9
W10	21 35 26	22°14'06	14♎21	9°30	7°53	9° 3	15°35	0°47	1°10	27°38	19° 1	19°39	19°46	15°37	20°20	W10
T 11	21 39 22	23°12'10	28°15	11° 6	8°46	9°41	15°48	0°44	1°12	27°38	18°59	19°36	19°43	15°44	20°21	T 11
F 12	21 43 19	24°10'14	11♏41	12°42	9°39	10°19	16° 1	0°41	1°14	27°37	18°58	19°35	19°39	15°51	20°22	F 12
S 13	21 47 16	25° 8'21	24°41	14°15	10°31	10°57	16°14	0°38	1°16	27°36	18°57	19°35	19°36	15°58	20°22	S 13
S 14	21 51 12	26° 6'28	7♐19	15°48	11°22	11°35	16°27	0°34	1°18	27°36	18°55	19°34	19°33	16° 4	20°23	S 14
M15	21 55 9	27° 4'37	19°39	17°19	12°13	12°13	16°40	0°31	1°20	27°35	18°54	19°33	19°30	16°11	20°23	M15
T 16	21 59 5	28° 2'48	1♑47	18°49	13° 3	12°51	16°53	0°27	1°22	27°35	18°53	19°29	19°27	16°18	20°23	T 16
W17	22 3 2	29° 1'00	13°46	20°18	13°52	13°30	17° 6	0°24	1°24	27°34	18°52	19°22	19°23	16°24	20°24	W17
T 18	22 6 58	29°59'14	25°40	21°46	14°40	14° 8	17°19	0°20	1°26	27°33	18°50	19°13	19°20	16°31	20°24	T 18
F 19	22 10 55	0♍57'30	7♒33	23°12	15°28	14°46	17°32	0°16	1°29	27°33	18°49	19° 1	19°17	16°38	20°24	F 19
S 20	22 14 51	1°55'47	19°25	24°37	16°15	15°24	17°45	0°12	1°31	27°32	18°48	18°48	19°14	16°45	20°24	S 20
S 21	22 18 48	2°54'06	1♓20	26° 1	17° 1	16° 2	17°58	0° 8	1°33	27°31	18°47	18°34	19°11	16°51	20°R24	S 21
M22	22 22 45	3°52'27	13°17	27°23	17°46	16°40	18°11	0° 4	1°36	27°30	18°45	18°21	19° 8	16°58	20°24	M22
T 23	22 26 41	4°50'49	25°19	28°44	18°31	17°18	18°23	0° 0	1°38	27°29	18°44	18°10	19° 4	17° 5	20°24	T 23
W24	22 30 38	5°49'14	7♈27	0♎ 3	19°14	17°56	18°36	29♓56	1°40	27°28	18°43	18° 1	19° 1	17°12	20°24	W24
T 25	22 34 34	6°47'41	19°43	1°21	19°56	18°34	18°49	29°52	1°43	27°27	18°42	17°55	18°58	17°18	20°23	T 25
F 26	22 38 31	7°46'10	2♉ 9	2°38	20°38	19°12	19° 2	29°48	1°45	27°27	18°40	17°52	18°55	17°25	20°23	F 26
S 27	22 42 27	8°44'41	14°48	3°52	21°18	19°50	19°14	29°44	1°48	27°26	18°39	17°D51	18°52	17°32	20°23	S 27
S 28	22 46 24	9°43'14	27°44	5° 6	21°58	20°28	19°27	29°40	1°51	27°25	18°38	17°51	18°49	17°38	20°22	S 28
M29	22 50 20	10°41'49	11♊ 0	6°17	22°36	21° 6	19°40	29°35	1°53	27°24	18°37	17°R51	18°45	17°45	20°22	M29
T 30	22 54 17	11°40'27	24°39	7°27	23°13	21°44	19°52	29°31	1°56	27°23	18°36	17°51	18°42	17°52	20°21	T 30
W31	22 58 14	12♍39'08	8♋44	8♎34	23♎49	22♌22	20♌ 5	29♓27	1♏59	27♈21	18♒35	17♉48	18♉39	17♒59	20♉21	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n51	21n30	0n57	14n57	1n28	1s 6	1s24	20n37	1n 7	17n34	0n47	1s53	2s35	11s26	0n26	8n58	1s52	26s22	11s53	18n 2	17n54	21s25	16n36	1s20
T 2	16 34	24 50	2 6	14 16	1 24	1 35	1 31	20 28	1 8	17 30	0 47	1 54	2 35	11 27	0 26	8 58	1 52	26 23	11 53	18 2	17 53	21 23	16 36	1 20
W 3	16 17	26 43	3 10	13 35	1 19	2 4	1 37	20 19	1 8	17 26	0 47	1 56	2 35	11 28	0 26	8 57	1 52	26 23	11 53	18 1	17 52	21 21	16 36	1 20
T 4	15 59	26 49	4 3	12 53	1 14	2 33	1 44	20 10	1 8	17 23	0 47	1 57	2 36	11 28	0 26	8 57	1 52	26 24	11 53	17 59	17 51	21 20	16 37	1 20
F 5	15 42	24 57	4 40	12 11	1 8	3 2	1 51	20 0	1 8	17 19	0 47	1 58	2 36	11 29	0 26	8 57	1 52	26 24	11 53	17 57	17 50	21 18	16 37	1 21
S 6	15 24	21 17	4 59	11 29	1 2	3 30	1 58	19 51	1 8	17 15	0 47	1 59	2 36	11 29	0 26	8 57	1 52	26 25	11 53	17 54	17 50	21 16	16 37	1 21
S 7	15 6	16 9	4 56	10 46	0 56	3 58	2 5	19 41	1 8	17 11	0 47	2 1	2 36	11 30	0 26	8 57	1 52	26 25	11 53	17 51	17 49	21 14	16 37	1 21
M 8	14 48	10 4	4 32	10 3	0 50	4 27	2 12	19 32	1 9	17 8	0 47	2 2	2 37	11 31	0 26	8 57	1 52	26 26	11 53	17 48	17 48	21 12	16 37	1 21
T 9	14 29	3 32	3 50	9 20	0 43	4 55	2 19	19 22	1 9	17 4	0 47	2 4	2 37	11 31	0 26	8 56	1 52	26 26	11 53	17 46	17 47	21 10	16 37	1 21
W10	14 10	3s 0	2 54	8 37	0 36	5 23	2 26	19 12	1 9	17 0	0 47	2 5	2 37	11 32	0 26	8 56	1 53	26 27	11 53	17 44	17 46	21 8	16 37	1 22
T 11	13 51	9 12	1 50	7 53	0 29	5 50	2 33	19 2	1 9	16 56	0 47	2 6	2 37	11 33	0 26	8 56	1 53	26 27	11 53	17 43	17 45	21 6	16 37	1 22
F 12	13 32	14 46	0 42	7 10	0 22	6 18	2 40	18 52	1 9	16 52	0 47	2 8	2 37	11 33	0 26	8 56	1 53	26 28	11 53	17 43	17 44	21 4	16 37	1 22
S 13	13 13	19 28	0s27	6 27	0 15	6 45	2 48	18 41	1 10	16 48	0 47	2 10	2 38	11 34	0 26	8 55	1 53	26 28	11 53	17 43	17 44	21 2	16 37	1 22
S 14	12 53	23 10	1 32	5 44	0 7	7 12	2 55	18 31	1 10	16 45	0 48	2 11	2 38	11 35	0 26	8 55	1 53	26 29	11 53	17 43	17 43	21 0	16 37	1 22
M15	12 33	25 41	2 32	5 1	0s 1	7 39	3 3	18 20	1 10	16 41	0 48	2 13	2 38	11 36	0 26	8 55	1 53	26 29	11 53	17 43	17 42	20 58	16 37	1 22
T 16	12 13	26 56	3 23	4 19	0 8	8 6	3 10	18 10	1 10	16 37	0 48	2 14	2 38	11 36	0 26	8 55	1 53	26 29	11 53	17 41	17 41	20 56	16 37	1 23
W17	11 53	26 54	4 5	3 37	0 16	8 32	3 18	17 59	1 10	16 33	0 48	2 16	2 38	11 37	0 26	8 54	1 53	26 30	11 53	17 40	17 40	20 54	16 37	1 23
T 18	11 32	25 38	4 36	2 55	0 24	8 58	3 25	17 48	1 10	16 29	0 48	2 17	2 39	11 38	0 26	8 54	1 53	26 30	11 53	17 37	17 39	20 52	16 36	1 23
F 19	11 11	23 13	4 54	2 13	0 33	9 24	3 33	17 37	1 10	16 25	0 48	2 19	2 39	11 39	0 26	8 54	1 53	26 31	11 53	17 34	17 38	20 50	16 36	1 23
S 20	10 51	19 49	5 0	1 32	0 41	9 49	3 41	17 26	1 11	16 21	0 48	2 21	2 39	11 40	0 26	8 53	1 53	26 31	11 53	17 30	17 37	20 47	16 36	1 23
S 21	10 30	15 37	4 53	0 51	0 49	10 14	3 49	17 14	1 11	16 18	0 48	2 23	2 39	11 40	0 26	8 53	1 53	26 31	11 53	17 26	17 37	20 45	16 36	1 23
M22	10 8	10 47	4 33	0 10	0 57	10 39	3 56	17 3	1 11	16 14	0 48	2 24	2 39	11 41	0 26	8 53	1 53	26 32	11 53	17 23	17 36	20 43	16 36	1 24
T 23	9 47	5 32	4 0	0s30	1 6	11 3	4 4	16 51	1 11	16 10	0 48	2 26	2 40	11 42	0 26	8 52	1 53	26 32	11 53	17 20	17 35	20 41	16 36	1 24
W24	9 25	0 2	3 17	1 9	1 14	11 27	4 12	16 40	1 11	16 6	0 49	2 28	2 40	11 43	0 26	8 52	1 53	26 33	11 53	17 17	17 34	20 39	16 35	1 24
T 25	9 4	5n32	2 23	1 48	1 22	11 50	4 20	16 28	1 11	16 2	0 49	2 30	2 40	11 44	0 26	8 52	1 53	26 33	11 53	17 16	17 33	20 37	16 35	1 24
F 26	8 42	11 0	1 22	2 26	1 31	12 13	4 28	16 16	1 11	15 58	0 49	2 31	2 40	11 45	0 26	8 51	1 53	26 33	11 53	17 15	17 32	20 35	16 35	1 24
S 27	8 20	16 6	0 16	3 4	1 39	12 36	4 36	16 4	1 12	15 54	0 49	2 33	2 40	11 46	0 26	8 51	1 53	26 34	11 53	17 14	17 31	20 33	16 35	1 25
S 28	7 58	20 36	0n52	3 40	1 47	12 58	4 43	15 52	1 12	15 50	0 49	2 35	2 40	11 47	0 26	8 50	1 54	26 34	11 53	17 14	17 30	20 31	16 34	1 25
M29	7 36	24 11	2 0	4 16	1 55	13 20	4 51	15 40	1 12	15 46	0 49	2 37	2 40	11 48	0 26	8 50	1 54	26 34	11 53	17 15	17 30	20 29	16 34	1 25
T 30	7 13	26 30	3 3	4 51	2 3	13 41	4 59	15 28	1 12	15 42	0 49	2 39	2 41	11 48	0 26	8 50	1 54	26 35	11 53	17 14	17 29	20 27	16 34	1 25
W31	6n51	27n12	3n56	5s25	2s11	14s 2	5s 7	15n16	1n12	15n39	0n49	2s41	2s41	11s49	0n26	8n49	1s54	26s35	11s53	17n14	17n28	20s25	16n33	1s25

Julian Day Number = 2106243.5, Delta T = 20m24s
Ecliptic obliquity = 23°33'48, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°33'42, Lahiri = 10°40'43 Julian Calendar 1 Aug. 1054 == Greg. Calendar 7 Aug. 1054

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1054
geocentric

SEPTEMBER 1054 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 2 10	13♍37'50	23♋13	9♎40	24♎23	23♌ 0	20♌18	29°R22	2♏ 1	27°R20	18°R33	17°R43	18♉36	18♒ 5	20°R20	T 1
F 2	23 6 7	14°36'35	8♌ 3	10°44	24°56	23°38	20°30	29♓18	2° 4	27♈19	18♒32	17♉36	18°33	18°12	20♉19	F 2
S 3	23 10 3	15°35'22	23° 8	11°45	25°28	24°16	20°42	29°13	2° 7	27°18	18°31	17°27	18°29	18°19	20°18	S 3
S 4	23 14 0	16°34'11	8♍18	12°43	25°59	24°54	20°55	29° 9	2°10	27°17	18°30	17°18	18°26	18°26	20°18	S 4
M 5	23 17 56	17°33'02	23°23	13°39	26°28	25°32	21° 7	29° 4	2°13	27°16	18°29	17° 9	18°23	18°32	20°17	M 5
T 6	23 21 53	18°31'55	8♎13	14°32	26°55	26°10	21°20	28°59	2°16	27°15	18°28	17° 2	18°20	18°39	20°16	T 6
W 7	23 25 49	19°30'50	22°41	15°22	27°21	26°48	21°32	28°55	2°19	27°13	18°27	16°57	18°17	18°46	20°15	W 7
T 8	23 29 46	20°29'47	6♏41	16° 8	27°46	27°26	21°44	28°50	2°22	27°12	18°26	16°55	18°14	18°52	20°13	T 8
F 9	23 33 43	21°28'45	20°13	16°51	28° 8	28° 4	21°56	28°45	2°25	27°11	18°25	16°D54	18°10	18°59	20°12	F 9
S 10	23 37 39	22°27'46	3♐18	17°29	28°29	28°42	22° 9	28°41	2°28	27° 9	18°24	16°55	18° 7	19° 6	20°11	S 10
S 11	23 41 36	23°26'48	16° 0	18° 4	28°48	29°20	22°21	28°36	2°31	27° 8	18°23	16°56	18° 4	19°13	20°10	S 11
M12	23 45 32	24°25'53	28°22	18°33	29° 5	29°58	22°33	28°31	2°34	27° 7	18°22	16°R56	18° 1	19°19	20° 8	M12
T 13	23 49 29	25°24'59	10♑29	18°57	29°20	0♍36	22°45	28°27	2°37	27° 5	18°21	16°55	17°58	19°26	20° 7	T 13
W14	23 53 25	26°24'06	22°27	19°16	29°33	1°13	22°57	28°22	2°40	27° 4	18°20	16°51	17°55	19°33	20° 5	W14
T 15	23 57 22	27°23'16	4♒21	19°28	29°44	1°51	23° 9	28°17	2°43	27° 3	18°19	16°46	17°51	19°39	20° 4	T 15
F 16	0 1 18	28°22'28	16°12	19°R34	29°53	2°29	23°20	28°12	2°47	27° 1	18°18	16°38	17°48	19°46	20° 2	F 16
S 17	0 5 15	29°21'41	28° 6	19°33	29°59	3° 7	23°32	28° 8	2°50	27° 0	18°17	16°30	17°45	19°53	20° 1	S 17
S 18	0 9 12	0♎20'56	10♓ 4	19°25	0♏ 4	3°45	23°44	28° 3	2°53	26°58	18°16	16°21	17°42	20° 0	19°59	S 18
M19	0 13 8	1°20'13	22° 9	19° 9	0°R 6	4°23	23°55	27°58	2°57	26°57	18°15	16°12	17°39	20° 6	19°57	M19
T 20	0 17 5	2°19'33	4♈21	18°44	0° 6	5° 1	24° 7	27°53	3° 0	26°55	18°14	16° 5	17°35	20°13	19°55	T 20
W21	0 21 1	3°18'54	16°42	18°12	0° 3	5°39	24°19	27°49	3° 3	26°54	18°13	15°59	17°32	20°20	19°53	W21
T 22	0 24 58	4°18'18	29°12	17°31	29♎58	6°16	24°30	27°44	3° 7	26°52	18°12	15°55	17°29	20°27	19°52	T 22
F 23	0 28 54	5°17'43	11♉53	16°43	29°50	6°54	24°41	27°39	3°10	26°51	18°12	15°D54	17°26	20°33	19°50	F 23
S 24	0 32 51	6°17'11	24°45	15°47	29°41	7°32	24°53	27°35	3°13	26°49	18°11	15°54	17°23	20°40	19°48	S 24
S 25	0 36 47	7°16'42	7♊52	14°44	29°28	8°10	25° 4	27°30	3°17	26°48	18°10	15°56	17°20	20°47	19°45	S 25
M26	0 40 44	8°16'15	21°14	13°36	29°14	8°48	25°15	27°25	3°20	26°46	18° 9	15°57	17°16	20°53	19°43	M26
T 27	0 44 40	9°15'50	4♋52	12°24	28°57	9°26	25°26	27°21	3°24	26°44	18° 9	15°R58	17°13	21° 0	19°41	T 27
W28	0 48 37	10°15'27	18°49	11°11	28°37	10° 4	25°37	27°16	3°27	26°43	18° 8	15°58	17°10	21° 7	19°39	W28
T 29	0 52 34	11°15'07	3♌ 3	9°57	28°16	10°41	25°48	27°12	3°31	26°41	18° 7	15°56	17° 7	21°14	19°37	T 29
F 30	0 56 30	12♎14'49	17♌33	8♎45	27♎52	11♍19	25♌59	27♓ 7	3♏34	26♈40	18♒ 7	15♉53	17♉ 4	21♒20	19♉34	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n28	26n 6	4n36	5s59	2s19	14s22	5s15	15n 3	1n12	15n35	0n49	2s42	2s41	11s50	0n25	8n49	1s54	26s35	11s52	17n12	17n27	20s22	16n33	1s25
F 2	6 5	23 10	4 59	6 31	2 27	14 42	5 23	14 51	1 12	15 31	0 50	2 44	2 41	11 51	0 25	8 48	1 54	26 35	11 52	17 10	17 26	20 20	16 33	1 26
S 3	5 43	18 38	5 2	7 2	2 34	15 1	5 30	14 38	1 12	15 27	0 50	2 46	2 41	11 52	0 25	8 48	1 54	26 36	11 52	17 8	17 25	20 18	16 32	1 26
S 4	5 20	12 53	4 44	7 31	2 41	15 19	5 38	14 26	1 13	15 23	0 50	2 48	2 41	11 53	0 25	8 47	1 54	26 36	11 52	17 5	17 24	20 16	16 32	1 26
M 5	4 57	6 24	4 6	8 0	2 48	15 37	5 46	14 13	1 13	15 19	0 50	2 50	2 41	11 54	0 25	8 47	1 54	26 36	11 52	17 3	17 23	20 14	16 31	1 26
T 6	4 34	0s21	3 11	8 27	2 55	15 54	5 53	14 0	1 13	15 15	0 50	2 52	2 41	11 55	0 25	8 46	1 54	26 37	11 52	17 1	17 23	20 12	16 31	1 26
W 7	4 10	6 55	2 6	8 52	3 1	16 11	6 0	13 47	1 13	15 11	0 50	2 54	2 41	11 57	0 25	8 46	1 54	26 37	11 52	16 59	17 22	20 10	16 31	1 27
T 8	3 47	12 58	0 54	9 15	3 7	16 26	6 8	13 34	1 13	15 8	0 50	2 56	2 41	11 58	0 25	8 45	1 54	26 37	11 52	16 58	17 21	20 8	16 30	1 27
F 9	3 24	18 11	0s18	9 37	3 13	16 41	6 15	13 21	1 13	15 4	0 50	2 58	2 41	11 59	0 25	8 45	1 54	26 37	11 52	16 58	17 20	20 5	16 30	1 27
S 10	3 0	22 21	1 27	9 57	3 18	16 55	6 22	13 8	1 13	15 0	0 51	3 0	2 42	12 0	0 25	8 44	1 54	26 37	11 51	16 59	17 19	20 3	16 29	1 27
S 11	2 37	25 18	2 30	10 14	3 23	17 9	6 29	12 55	1 13	14 56	0 51	3 2	2 42	12 1	0 25	8 44	1 54	26 38	11 51	16 59	17 18	20 1	16 29	1 27
M12	2 13	26 57	3 24	10 29	3 26	17 21	6 36	12 41	1 13	14 52	0 51	3 4	2 42	12 2	0 25	8 43	1 54	26 38	11 51	16 59	17 17	19 59	16 28	1 27
T 13	1 50	27 15	4 7	10 41	3 30	17 33	6 42	12 28	1 13	14 48	0 51	3 6	2 42	12 3	0 25	8 43	1 54	26 38	11 51	16 58	17 16	19 57	16 27	1 28
W14	1 26	26 17	4 40	10 51	3 32	17 43	6 48	12 14	1 14	14 45	0 51	3 7	2 42	12 4	0 25	8 42	1 54	26 38	11 51	16 57	17 15	19 54	16 27	1 28
T 15	1 3	24 7	5 0	10 57	3 34	17 53	6 54	12 1	1 14	14 41	0 51	3 9	2 42	12 5	0 25	8 42	1 54	26 38	11 51	16 56	17 15	19 52	16 26	1 28
F 16	0 39	20 56	5 7	10 59	3 34	18 1	7 0	11 47	1 14	14 37	0 51	3 11	2 42	12 6	0 25	8 41	1 54	26 39	11 51	16 54	17 14	19 50	16 26	1 28
S 17	0 15	16 53	5 1	10 58	3 33	18 9	7 5	11 34	1 14	14 33	0 52	3 13	2 42	12 7	0 25	8 41	1 54	26 39	11 51	16 51	17 13	19 48	16 25	1 28
S 18	0s 8	12 10	4 41	10 53	3 31	18 15	7 11	11 20	1 14	14 30	0 52	3 15	2 42	12 9	0 25	8 40	1 54	26 39	11 50	16 49	17 12	19 46	16 24	1 28
M19	0 32	6 56	4 9	10 44	3 28	18 20	7 15	11 6	1 14	14 26	0 52	3 17	2 42	12 10	0 25	8 40	1 54	26 39	11 50	16 46	17 11	19 43	16 24	1 29
T 20	0 56	1 24	3 25	10 30	3 23	18 24	7 20	10 52	1 14	14 22	0 52	3 19	2 42	12 11	0 25	8 39	1 54	26 39	11 50	16 44	17 10	19 41	16 23	1 29
W21	1 19	4n16	2 31	10 12	3 17	18 27	7 23	10 38	1 14	14 18	0 52	3 21	2 42	12 12	0 25	8 38	1 54	26 39	11 50	16 42	17 9	19 39	16 23	1 29
T 22	1 43	9 51	1 29	9 49	3 8	18 28	7 27	10 24	1 14	14 15	0 52	3 23	2 42	12 13	0 25	8 38	1 54	26 39	11 50	16 41	17 8	19 37	16 22	1 29
F 23	2 7	15 8	0 22	9 20	2 58	18 28	7 30	10 10	1 14	14 11	0 52	3 25	2 42	12 14	0 25	8 37	1 55	26 40	11 50	16 41	17 7	19 35	16 21	1 29
S 24	2 31	19 50	0n48	8 48	2 46	18 27	7 32	9 56	1 14	14 7	0 53	3 26	2 42	12 16	0 25	8 37	1 55	26 40	11 49	16 41	17 6	19 32	16 20	1 29
S 25	2 54	23 39	1 57	8 10	2 32	18 24	7 34	9 42	1 14	14 4	0 53	3 28	2 42	12 17	0 25	8 36	1 55	26 40	11 49	16 41	17 6	19 30	16 20	1 30
M26	3 18	26 16	3 0	7 29	2 17	18 20	7 35	9 28	1 14	14 0	0 53	3 30	2 42	12 18	0 25	8 36	1 55	26 40	11 49	16 42	17 5	19 28	16 19	1 30
T 27	3 41	27 23	3 55	6 45	1 59	18 14	7 36	9 13	1 14	13 56	0 53	3 32	2 42	12 19	0 25	8 35	1 55	26 40	11 49	16 42	17 4	19 26	16 18	1 30
W28	4 5	26 49	4 37	5 59	1 41	18 7	7 35	8 59	1 15	13 53	0 53	3 34	2 42	12 20	0 25	8 34	1 55	26 40	11 49	16 42	17 3	19 23	16 18	1 30
T 29	4 28	24 30	5 4	5 12	1 21	17 58	7 35	8 45	1 15	13 49	0 53	3 35	2 42	12 22	0 25	8 34	1 55	26 40	11 48	16 42	17 2	19 21	16 17	1 30
F 30	4s52	20n35	5n11	4s25	1s 0	17s48	7s33	8n30	1n15	13n46	0n54	3s37	2s42	12s23	0n25	8n33	1s55	26s40	11s48	16n41	17n 1	19s19	16n16	1s30

Julian Day Number = 2106274.5, Delta T = 20m23s
Ecliptic obliquity = 23°33'49, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°33'47, Lahiri = 10°40'47 Julian Calendar 1 Sept. 1054 == Greg. Calendar 7 Sept. 1054

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1054
geocentric

OCTOBER 1054 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 0 27	13♎14'34	2♍15	7°R38	27°R26	11♍57	26♌10	27°R 3	3♏38	26°R38	18°R 6	15°R48	17♉ 0	21♒27	19°R32	S 1
S 2	1 4 23	14°14'20	17° 2	6♎37	26♎59	12°35	26°20	26♓58	3°41	26♈36	18♒ 5	15♉44	16°57	21°34	19♉30	S 2
M 3	1 8 20	15°14'09	1♎47	5°45	26°30	13°13	26°31	26°54	3°45	26°35	18° 5	15°39	16°54	21°41	19°27	M 3
T 4	1 12 16	16°14'00	16°22	5° 2	25°59	13°50	26°42	26°49	3°49	26°33	18° 4	15°36	16°51	21°47	19°25	T 4
W 5	1 16 13	17°13'52	0♏40	4°29	25°26	14°28	26°52	26°45	3°52	26°31	18° 4	15°33	16°48	21°54	19°22	W 5
T 6	1 20 9	18°13'47	14°37	4° 8	24°53	15° 6	27° 2	26°41	3°56	26°30	18° 3	15°D33	16°45	22° 1	19°19	T 6
F 7	1 24 6	19°13'44	28°10	3°D58	24°18	15°44	27°13	26°37	3°59	26°28	18° 3	15°33	16°41	22° 7	19°17	F 7
S 8	1 28 3	20°13'42	11♐18	4° 0	23°42	16°22	27°23	26°32	4° 3	26°26	18° 2	15°34	16°38	22°14	19°14	S 8
S 9	1 31 59	21°13'43	24° 3	4°12	23° 6	16°59	27°33	26°28	4° 7	26°25	18° 2	15°36	16°35	22°21	19°11	S 9
M10	1 35 56	22°13'44	6♑29	4°35	22°30	17°37	27°43	26°24	4°10	26°23	18° 1	15°38	16°32	22°28	19° 9	M10
T 11	1 39 52	23°13'48	18°40	5° 8	21°53	18°15	27°53	26°20	4°14	26°21	18° 1	15°R38	16°29	22°34	19° 6	T 11
W12	1 43 49	24°13'53	0♒40	5°49	21°17	18°53	28° 2	26°16	4°18	26°20	18° 0	15°38	16°26	22°41	19° 3	W12
T 13	1 47 45	25°14'00	12°34	6°38	20°41	19°30	28°12	26°13	4°22	26°18	18° 0	15°37	16°22	22°48	19° 0	T 13
F 14	1 51 42	26°14'08	24°26	7°35	20° 6	20° 8	28°22	26° 9	4°25	26°16	18° 0	15°35	16°19	22°54	18°57	F 14
S 15	1 55 38	27°14'18	6♓21	8°37	19°31	20°46	28°31	26° 5	4°29	26°15	17°59	15°33	16°16	23° 1	18°54	S 15
S 16	1 59 35	28°14'30	18°23	9°45	18°58	21°24	28°41	26° 2	4°33	26°13	17°59	15°30	16°13	23° 8	18°51	S 16
M17	2 3 32	29°14'43	0♈34	10°58	18°26	22° 1	28°50	25°58	4°36	26°11	17°59	15°27	16°10	23°15	18°49	M17
T 18	2 7 28	0♏14'58	12°56	12°15	17°55	22°39	28°59	25°54	4°40	26°10	17°59	15°25	16° 6	23°21	18°46	T 18
W19	2 11 25	1°15'15	25°32	13°35	17°26	23°17	29° 8	25°51	4°44	26° 8	17°58	15°23	16° 3	23°28	18°42	W19
T 20	2 15 21	2°15'33	8♉20	14°58	16°59	23°54	29°17	25°48	4°48	26° 6	17°58	15°23	16° 0	23°35	18°39	T 20
F 21	2 19 18	3°15'53	21°23	16°23	16°35	24°32	29°26	25°44	4°51	26° 4	17°58	15°D22	15°57	23°42	18°36	F 21
S 22	2 23 14	4°16'15	4♊39	17°51	16°12	25°10	29°34	25°41	4°55	26° 3	17°58	15°23	15°54	23°48	18°33	S 22
S 23	2 27 11	5°16'39	18° 7	19°20	15°51	25°48	29°43	25°38	4°59	26° 1	17°58	15°24	15°51	23°55	18°30	S 23
M24	2 31 7	6°17'05	1♋47	20°50	15°33	26°25	29°51	25°35	5° 3	25°59	17°58	15°25	15°47	24° 2	18°27	M24
T 25	2 35 4	7°17'33	15°38	22°22	15°17	27° 3	29°59	25°32	5° 6	25°58	17°58	15°26	15°44	24° 8	18°24	T 25
W26	2 39 1	8°18'03	29°38	23°54	15° 4	27°41	0♍ 8	25°29	5°10	25°56	17°58	15°26	15°41	24°15	18°21	W26
T 27	2 42 57	9°18'34	13♌46	25°27	14°53	28°18	0°16	25°27	5°14	25°55	17°D58	15°R26	15°38	24°22	18°18	T 27
F 28	2 46 54	10°19'08	28° 1	27° 1	14°44	28°56	0°24	25°24	5°17	25°53	17°58	15°26	15°35	24°29	18°14	F 28
S 29	2 50 50	11°19'43	12♍20	28°35	14°39	29°34	0°32	25°21	5°21	25°51	17°58	15°25	15°32	24°35	18°11	S 29
S 30	2 54 47	12°20'20	26°39	0♏10	14°35	0♎11	0°39	25°19	5°25	25°50	17°58	15°25	15°28	24°42	18° 8	S 30
M31	2 58 43	13♏20'59	10♎54	1♏44	14°D34	0♎49	0♍47	25♓17	5♏29	25♈48	17♒58	15♉25	15♉25	24♒49	18♉ 5	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s15	15n22	4n59	3s39	0s40	17s36	7s30	8n16	1n15	13n42	0n54	3s39	2s41	12s24	0n25	8n33	1s55	26s40	11s48	16n39	17n 0	19s16	16n15	1s31
S 2	5 39	9 14	4 27	2 56	0 19	17 23	7 27	8 1	1 15	13 39	0 54	3 41	2 41	12 25	0 25	8 32	1 55	26 40	11 48	16 38	16 59	19 14	16 14	1 31
M 3	6 2	2 36	3 37	2 17	0n 1	17 8	7 23	7 47	1 15	13 35	0 54	3 42	2 41	12 27	0 25	8 31	1 55	26 40	11 48	16 37	16 58	19 12	16 14	1 31
T 4	6 25	4s 7	2 33	1 42	0 20	16 52	7 18	7 32	1 15	13 32	0 54	3 44	2 41	12 28	0 25	8 31	1 55	26 40	11 47	16 36	16 57	19 10	16 13	1 31
W 5	6 48	10 30	1 21	1 13	0 38	16 35	7 13	7 18	1 15	13 28	0 54	3 46	2 41	12 29	0 25	8 30	1 55	26 40	11 47	16 35	16 57	19 7	16 12	1 31
T 6	7 11	16 14	0 5	0 49	0 54	16 16	7 6	7 3	1 15	13 25	0 55	3 47	2 41	12 30	0 25	8 29	1 55	26 40	11 47	16 35	16 56	19 5	16 11	1 31
F 7	7 34	20 58	1s 9	0 32	1 9	15 56	6 59	6 48	1 15	13 22	0 55	3 49	2 41	12 32	0 25	8 29	1 55	26 40	11 47	16 35	16 55	19 3	16 10	1 32
S 8	7 57	24 30	2 17	0 20	1 22	15 35	6 50	6 34	1 15	13 18	0 55	3 50	2 41	12 33	0 25	8 28	1 55	26 40	11 47	16 35	16 54	19 0	16 9	1 32
S 9	8 19	26 42	3 16	0 15	1 34	15 14	6 41	6 19	1 15	13 15	0 55	3 52	2 41	12 34	0 25	8 28	1 55	26 40	11 46	16 36	16 53	18 58	16 8	1 32
M10	8 42	27 28	4 4	0 15	1 44	14 51	6 32	6 4	1 15	13 12	0 55	3 53	2 41	12 35	0 25	8 27	1 55	26 40	11 46	16 36	16 52	18 56	16 8	1 32
T 11	9 4	26 53	4 41	0 20	1 52	14 27	6 21	5 49	1 15	13 9	0 56	3 55	2 41	12 37	0 25	8 26	1 55	26 40	11 46	16 36	16 51	18 53	16 7	1 32
W12	9 27	25 3	5 4	0 31	1 58	14 3	6 10	5 34	1 15	13 5	0 56	3 56	2 40	12 38	0 25	8 26	1 55	26 40	11 46	16 36	16 50	18 51	16 6	1 32
T 13	9 49	22 9	5 14	0 46	2 4	13 38	5 58	5 19	1 15	13 2	0 56	3 58	2 40	12 39	0 25	8 25	1 55	26 39	11 45	16 36	16 49	18 49	16 5	1 32
F 14	10 11	18 19	5 11	1 4	2 7	13 13	5 45	5 5	1 15	12 59	0 56	3 59	2 40	12 40	0 25	8 25	1 55	26 39	11 45	16 36	16 48	18 46	16 4	1 33
S 15	10 33	13 47	4 54	1 27	2 10	12 47	5 32	4 50	1 15	12 56	0 56	4 1	2 40	12 42	0 25	8 24	1 55	26 39	11 45	16 35	16 47	18 44	16 3	1 33
S 16	10 54	8 40	4 25	1 52	2 11	12 22	5 19	4 35	1 15	12 53	0 57	4 2	2 40	12 43	0 25	8 23	1 55	26 39	11 45	16 34	16 46	18 42	16 2	1 33
M17	11 16	3 11	3 43	2 21	2 12	11 57	5 5	4 20	1 15	12 50	0 57	4 3	2 40	12 44	0 25	8 23	1 55	26 39	11 44	16 33	16 46	18 39	16 1	1 33
T 18	11 37	2n32	2 50	2 51	2 11	11 32	4 50	4 5	1 15	12 47	0 57	4 4	2 40	12 45	0 25	8 22	1 55	26 39	11 44	16 33	16 45	18 37	16 0	1 33
W19	11 58	8 15	1 48	3 24	2 10	11 7	4 35	3 50	1 15	12 44	0 57	4 6	2 39	12 47	0 25	8 22	1 55	26 39	11 44	16 32	16 44	18 35	15 59	1 33
T 20	12 19	13 45	0 39	3 58	2 8	10 43	4 21	3 35	1 15	12 41	0 57	4 7	2 39	12 48	0 25	8 21	1 55	26 38	11 44	16 32	16 43	18 32	15 58	1 33
F 21	12 40	18 44	0n33	4 33	2 5	10 19	4 5	3 20	1 15	12 38	0 58	4 8	2 39	12 49	0 25	8 20	1 55	26 38	11 43	16 32	16 42	18 30	15 57	1 33
S 22	13 1	22 54	1 45	5 10	2 1	9 56	3 50	3 5	1 15	12 35	0 58	4 9	2 39	12 50	0 25	8 20	1 55	26 38	11 43	16 32	16 41	18 27	15 56	1 34
S 23	13 21	25 53	2 52	5 47	1 57	9 34	3 35	2 50	1 15	12 32	0 58	4 10	2 39	12 52	0 25	8 19	1 55	26 38	11 43	16 32	16 40	18 25	15 55	1 34
M24	13 41	27 23	3 50	6 26	1 53	9 13	3 20	2 34	1 15	12 29	0 58	4 11	2 39	12 53	0 25	8 19	1 55	26 38	11 43	16 32	16 39	18 23	15 54	1 34
T 25	14 1	27 12	4 35	7 4	1 48	8 53	3 5	2 19	1 15	12 27	0 59	4 12	2 38	12 54	0 25	8 18	1 55	26 37	11 43	16 33	16 38	18 20	15 53	1 34
W26	14 21	25 18	5 5	7 43	1 43	8 34	2 49	2 4	1 15	12 24	0 59	4 13	2 38	12 56	0 25	8 17	1 55	26 37	11 42	16 33	16 37	18 18	15 52	1 34
T 27	14 40	21 49	5 17	8 23	1 38	8 16	2 34	1 49	1 15	12 21	0 59	4 14	2 38	12 57	0 25	8 17	1 55	26 37	11 42	16 33	16 36	18 15	15 51	1 34
F 28	14 59	17 3	5 9	9 2	1 32	7 59	2 20	1 34	1 15	12 19	0 59	4 15	2 38	12 58	0 25	8 16	1 55	26 37	11 42	16 33	16 35	18 13	15 50	1 34
S 29	15 18	11 19	4 43	9 41	1 26	7 43	2 5	1 19	1 15	12 16	0 59	4 16	2 38	12 59	0 25	8 16	1 55	26 37	11 42	16 33	16 34	18 10	15 49	1 34
S 30	15 37	4 59	3 59	10 21	1 20	7 29	1 51	1 4	1 15	12 14	1 0	4 17	2 37	13 1	0 25	8 15	1 55	26 36	11 41	16 33	16 34	18 8	15 48	1 34
M31	15s56	1s35	3n 0	11s 0	1n13	7s15	1s37	0n49	1n15	12n11	1n 0	4s17	2s37	13s 2	0n25	8n14	1s55	26s36	11s41	16n32	16n33	18s 6	15n47	1s35

Julian Day Number = 2106304.5, Delta T = 20m23s
Ecliptic obliquity = 23°33'49, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°33'51, Lahiri = 10°40'51 Julian Calendar 1 Oct. 1054 == Greg. Calendar 7 Oct. 1054

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1054
geocentric

NOVEMBER 1054 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 2 40	14♏21'39	25♎ 2	3♏19	14♎36	1♎26	0♍54	25°R14	5♏32	25°R46	17♒58	15°R25	15♉22	24♒55	18°R 2	T 1
W 2	3 6 36	15°22'21	8♏58	4°54	14°39	2° 4	1° 1	25♓12	5°36	25♈45	17°58	15♉25	15°19	25° 2	17♉58	W 2
T 3	3 10 33	16°23'05	22°38	6°29	14°46	2°42	1° 9	25°10	5°40	25°43	17°58	15°25	15°16	25° 9	17°55	T 3
F 4	3 14 30	17°23'50	6♐ 1	8° 4	14°54	3°19	1°16	25° 8	5°43	25°42	17°59	15°24	15°12	25°16	17°52	F 4
S 5	3 18 26	18°24'36	19° 4	9°39	15° 5	3°57	1°22	25° 6	5°47	25°40	17°59	15°24	15° 9	25°22	17°49	S 5
S 6	3 22 23	19°25'24	1♑49	11°14	15°18	4°35	1°29	25° 4	5°51	25°39	17°59	15°24	15° 6	25°29	17°45	S 6
M 7	3 26 19	20°26'12	14°17	12°49	15°33	5°12	1°36	25° 3	5°54	25°37	17°59	15°23	15° 3	25°36	17°42	M 7
T 8	3 30 16	21°27'02	26°29	14°24	15°50	5°50	1°42	25° 1	5°58	25°36	18° 0	15°22	15° 0	25°43	17°39	T 8
W 9	3 34 12	22°27'53	8♒31	15°58	16° 9	6°27	1°48	25° 0	6° 2	25°34	18° 0	15°22	14°57	25°49	17°36	W 9
T 10	3 38 9	23°28'45	20°25	17°33	16°30	7° 5	1°54	24°58	6° 5	25°33	18° 0	15°D22	14°53	25°56	17°32	T 10
F 11	3 42 5	24°29'37	2♓17	19° 7	16°53	7°42	2° 0	24°57	6° 9	25°31	18° 1	15°22	14°50	26° 3	17°29	F 11
S 12	3 46 2	25°30'30	14°12	20°42	17°18	8°20	2° 6	24°56	6°13	25°30	18° 1	15°22	14°47	26° 9	17°26	S 12
S 13	3 49 59	26°31'25	26°14	22°16	17°44	8°57	2°12	24°55	6°16	25°29	18° 2	15°23	14°44	26°16	17°23	S 13
M14	3 53 55	27°32'20	8♈28	23°51	18°12	9°35	2°17	24°54	6°20	25°27	18° 2	15°24	14°41	26°23	17°20	M14
T 15	3 57 52	28°33'16	20°56	25°25	18°42	10°12	2°22	24°53	6°23	25°26	18° 2	15°26	14°38	26°30	17°16	T 15
W16	4 1 48	29°34'13	3♉43	26°59	19°14	10°50	2°28	24°52	6°27	25°24	18° 3	15°26	14°34	26°36	17°13	W16
T 17	4 5 45	0♐35'10	16°48	28°33	19°47	11°27	2°32	24°52	6°30	25°23	18° 4	15°R27	14°31	26°43	17°10	T 17
F 18	4 9 41	1°36'09	0♊12	0♐ 8	20°21	12° 5	2°37	24°51	6°34	25°22	18° 4	15°26	14°28	26°50	17° 7	F 18
S 19	4 13 38	2°37'09	13°55	1°42	20°57	12°42	2°42	24°51	6°37	25°21	18° 5	15°25	14°25	26°56	17° 4	S 19
S 20	4 17 34	3°38'09	27°52	3°16	21°34	13°19	2°46	24°50	6°41	25°19	18° 5	15°23	14°22	27° 3	17° 1	S 20
M21	4 21 31	4°39'11	12♋ 1	4°50	22°13	13°57	2°51	24°50	6°44	25°18	18° 6	15°20	14°18	27°10	16°58	M21
T 22	4 25 28	5°40'14	26°16	6°25	22°53	14°34	2°55	24°D50	6°48	25°17	18° 7	15°17	14°15	27°17	16°55	T 22
W23	4 29 24	6°41'18	10♌34	7°59	23°34	15°12	2°59	24°50	6°51	25°16	18° 7	15°15	14°12	27°23	16°52	W23
T 24	4 33 21	7°42'22	24°50	9°34	24°16	15°49	3° 3	24°50	6°54	25°15	18° 8	15°13	14° 9	27°30	16°49	T 24
F 25	4 37 17	8°43'28	9♍ 2	11° 9	24°59	16°26	3° 6	24°51	6°58	25°13	18° 9	15°D13	14° 6	27°37	16°46	F 25
S 26	4 41 14	9°44'34	23° 8	12°43	25°43	17° 4	3°10	24°51	7° 1	25°12	18°10	15°13	14° 3	27°44	16°43	S 26
S 27	4 45 10	10°45'42	7♎ 5	14°18	26°29	17°41	3°13	24°52	7° 4	25°11	18°10	15°14	13°59	27°50	16°40	S 27
M28	4 49 7	11°46'50	20°54	15°53	27°15	18°18	3°16	24°52	7° 7	25°10	18°11	15°16	13°56	27°57	16°37	M28
T 29	4 53 3	12°48'00	4♏33	17°29	28° 3	18°56	3°19	24°53	7°11	25° 9	18°12	15°17	13°53	28° 4	16°34	T 29
W30	4 57 0	13♐49'10	18♏ 1	19♐ 4	28♎51	19♎33	3♍22	24♓54	7♏14	25♈ 8	18♒13	15°R18	13♉50	28♒10	16♉31	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s14	8s 1	1n51	11s38	1n 7	7s 3	1s23	0n34	1n15	12n 9	1n 0	4s18	2s37	13s 3	0n25	8n14	1s55	26s36	11s41	16n32	16n32	18s 3	15n46	1s35
W 2	16 32	14 0	0 36	12 17	1 0	6 52	1 10	0 19	1 15	12 6	1 0	4 19	2 37	13 4	0 25	8 13	1 55	26 35	11 41	16 32	16 31	18 1	15 45	1 35
T 3	16 49	19 10	0s40	12 54	0 54	6 43	0 57	0 4	1 15	12 4	1 1	4 19	2 37	13 6	0 25	8 13	1 55	26 35	11 40	16 32	16 30	17 58	15 44	1 35
F 4	17 7	23 15	1 52	13 32	0 47	6 34	0 44	0s11	1 14	12 2	1 1	4 20	2 36	13 7	0 25	8 12	1 55	26 35	11 40	16 32	16 29	17 56	15 43	1 35
S 5	17 24	26 2	2 56	14 9	0 40	6 27	0 31	0 26	1 14	12 0	1 1	4 21	2 36	13 8	0 25	8 12	1 55	26 35	11 40	16 32	16 28	17 53	15 42	1 35
S 6	17 41	27 23	3 50	14 45	0 33	6 21	0 19	0 41	1 14	11 57	1 1	4 21	2 36	13 9	0 25	8 11	1 54	26 34	11 40	16 32	16 27	17 51	15 41	1 35
M 7	17 57	27 17	4 31	15 21	0 27	6 16	0 8	0 56	1 14	11 55	1 2	4 22	2 36	13 10	0 25	8 11	1 54	26 34	11 39	16 32	16 26	17 48	15 40	1 35
T 8	18 13	25 52	5 0	15 56	0 20	6 12	0n 4	1 12	1 14	11 53	1 2	4 22	2 36	13 12	0 25	8 10	1 54	26 34	11 39	16 32	16 25	17 46	15 40	1 35
W 9	18 29	23 17	5 14	16 30	0 13	6 9	0 15	1 27	1 14	11 51	1 2	4 22	2 35	13 13	0 25	8 10	1 54	26 33	11 39	16 32	16 24	17 43	15 39	1 35
T 10	18 44	19 44	5 15	17 4	0 6	6 8	0 25	1 41	1 14	11 49	1 2	4 23	2 35	13 14	0 25	8 9	1 54	26 33	11 39	16 32	16 23	17 41	15 38	1 36
F 11	19 0	15 25	5 3	17 36	0s 1	6 7	0 36	1 56	1 14	11 47	1 3	4 23	2 35	13 15	0 25	8 9	1 54	26 32	11 38	16 32	16 22	17 39	15 37	1 36
S 12	19 14	10 31	4 38	18 8	0 7	6 8	0 46	2 11	1 14	11 45	1 3	4 23	2 35	13 16	0 25	8 8	1 54	26 32	11 38	16 32	16 21	17 36	15 36	1 36
S 13	19 29	5 10	4 0	18 40	0 14	6 9	0 55	2 26	1 14	11 44	1 3	4 24	2 34	13 18	0 25	8 8	1 54	26 32	11 38	16 32	16 20	17 34	15 35	1 36
M14	19 43	0n27	3 11	19 10	0 21	6 11	1 4	2 41	1 14	11 42	1 3	4 24	2 34	13 19	0 25	8 7	1 54	26 31	11 38	16 32	16 19	17 31	15 34	1 36
T 15	19 56	6 11	2 11	19 39	0 27	6 14	1 13	2 56	1 14	11 40	1 4	4 24	2 34	13 20	0 25	8 7	1 54	26 31	11 37	16 33	16 19	17 29	15 33	1 36
W16	20 10	11 48	1 4	20 8	0 34	6 19	1 22	3 11	1 13	11 39	1 4	4 24	2 34	13 21	0 25	8 6	1 54	26 31	11 37	16 33	16 18	17 26	15 32	1 36
T 17	20 23	17 4	0n 7	20 35	0 40	6 23	1 30	3 26	1 13	11 37	1 4	4 24	2 33	13 22	0 25	8 6	1 54	26 30	11 37	16 33	16 17	17 23	15 31	1 36
F 18	20 35	21 37	1 21	21 2	0 46	6 29	1 37	3 40	1 13	11 36	1 4	4 24	2 33	13 23	0 25	8 5	1 54	26 30	11 37	16 33	16 16	17 21	15 30	1 36
S 19	20 48	25 5	2 31	21 27	0 52	6 36	1 45	3 55	1 13	11 34	1 5	4 24	2 33	13 25	0 25	8 5	1 54	26 29	11 36	16 32	16 15	17 18	15 29	1 36
S 20	20 59	27 6	3 33	21 52	0 58	6 43	1 52	4 10	1 13	11 33	1 5	4 24	2 33	13 26	0 25	8 5	1 54	26 29	11 36	16 32	16 14	17 16	15 28	1 36
M21	21 11	27 23	4 23	22 15	1 4	6 51	1 59	4 25	1 13	11 31	1 5	4 24	2 33	13 27	0 25	8 4	1 54	26 28	11 36	16 31	16 13	17 13	15 27	1 36
T 22	21 22	25 52	4 57	22 38	1 9	7 0	2 5	4 39	1 13	11 30	1 5	4 23	2 32	13 28	0 25	8 4	1 54	26 28	11 36	16 30	16 12	17 11	15 26	1 36
W23	21 32	22 42	5 13	22 59	1 15	7 9	2 12	4 54	1 13	11 29	1 6	4 23	2 32	13 29	0 25	8 3	1 54	26 28	11 35	16 30	16 11	17 8	15 25	1 36
T 24	21 42	18 10	5 10	23 19	1 20	7 19	2 17	5 8	1 13	11 28	1 6	4 23	2 32	13 30	0 25	8 3	1 54	26 27	11 35	16 29	16 10	17 6	15 24	1 36
F 25	21 52	12 40	4 48	23 38	1 25	7 30	2 23	5 23	1 12	11 27	1 6	4 22	2 32	13 31	0 25	8 3	1 54	26 27	11 35	16 29	16 9	17 3	15 23	1 37
S 26	22 2	6 32	4 8	23 56	1 30	7 41	2 28	5 38	1 12	11 26	1 7	4 22	2 31	13 32	0 25	8 2	1 54	26 26	11 35	16 29	16 8	17 1	15 23	1 37
S 27	22 11	0 9	3 15	24 12	1 35	7 53	2 33	5 52	1 12	11 25	1 7	4 22	2 31	13 33	0 25	8 2	1 54	26 26	11 34	16 29	16 7	16 58	15 22	1 37
M28	22 19	6s12	2 10	24 27	1 39	8 5	2 38	6 6	1 12	11 24	1 7	4 21	2 31	13 34	0 25	8 2	1 54	26 25	11 34	16 30	16 6	16 55	15 21	1 37
T 29	22 27	12 11	0 59	24 41	1 43	8 18	2 43	6 21	1 12	11 23	1 7	4 21	2 31	13 36	0 25	8 1	1 54	26 25	11 34	16 30	16 5	16 53	15 20	1 37
W30	22s35	17s31	0s15	24s54	1s47	8s31	2n47	6s35	1n12	11n23	1n 8	4s20	2s30	13s37	0n25	8n 1	1s54	26s24	11s34	16n30	16n 4	16s50	15n19	1s37

Julian Day Number = 2106335.5, Delta T = 20m23s
Ecliptic obliquity = 23°33'49, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°33'55, Lahiri = 10°40'55 Julian Calendar 1 Nov. 1054 == Greg. Calendar 7 Nov. 1054

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1054
geocentric

DECEMBER 1054 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 0 57	14♐50'20	1♐17	20♐40	29♎40	20♎10	3♍24	24♓55	7♏17	25°R 7	18♒14	15°R17	13♉47	28♒17	16°R29	T 1
F 2	5 4 53	15°51'32	14°20	22°15	0♏30	20°48	3°26	24°56	7°20	25♈ 6	18°15	15♉14	13°44	28°24	16♉26	F 2
S 3	5 8 50	16°52'43	27°10	23°51	1°21	21°25	3°28	24°57	7°23	25° 5	18°16	15°10	13°40	28°31	16°23	S 3
S 4	5 12 46	17°53'55	9♑47	25°27	2°12	22° 2	3°30	24°58	7°26	25° 4	18°17	15° 4	13°37	28°37	16°21	S 4
M 5	5 16 43	18°55'08	22°10	27° 3	3° 5	22°39	3°32	24°59	7°29	25° 4	18°17	14°58	13°34	28°44	16°18	M 5
T 6	5 20 39	19°56'20	4♒20	28°40	3°58	23°16	3°34	25° 1	7°32	25° 3	18°18	14°51	13°31	28°51	16°15	T 6
W 7	5 24 36	20°57'33	16°21	0♑16	4°51	23°54	3°35	25° 2	7°35	25° 2	18°19	14°46	13°28	28°57	16°13	W 7
T 8	5 28 33	21°58'45	28°15	1°53	5°46	24°31	3°36	25° 4	7°38	25° 1	18°21	14°41	13°24	29° 4	16°10	T 8
F 9	5 32 29	22°59'57	10♓ 6	3°29	6°41	25° 8	3°37	25° 6	7°41	25° 0	18°22	14°38	13°21	29°11	16° 8	F 9
S 10	5 36 26	24° 1'09	21°59	5° 6	7°36	25°45	3°38	25° 8	7°44	25° 0	18°23	14°D37	13°18	29°18	16° 6	S 10
S 11	5 40 22	25° 2'21	3♈58	6°43	8°32	26°22	3°39	25°10	7°47	24°59	18°24	14°38	13°15	29°24	16° 3	S 11
M12	5 44 19	26° 3'33	16° 9	8°19	9°29	26°59	3°39	25°12	7°50	24°58	18°25	14°39	13°12	29°31	16° 1	M12
T 13	5 48 15	27° 4'45	28°37	9°56	10°27	27°36	3°39	25°14	7°53	24°58	18°26	14°41	13° 9	29°38	15°59	T 13
W14	5 52 12	28° 5'56	11♉25	11°32	11°24	28°13	3°R39	25°16	7°55	24°57	18°27	14°R42	13° 5	29°44	15°57	W14
T 15	5 56 8	29° 7'07	24°38	13° 7	12°23	28°50	3°39	25°19	7°58	24°57	18°28	14°41	13° 2	29°51	15°54	T 15
F 16	6 0 5	0♑ 8'18	8♊16	14°42	13°22	29°27	3°39	25°21	8° 1	24°56	18°30	14°39	12°59	29°58	15°52	F 16
S 17	6 4 2	1° 9'29	22°18	16°16	14°21	0♏ 4	3°38	25°24	8° 3	24°56	18°31	14°34	12°56	0♓ 5	15°50	S 17
S 18	6 7 58	2°10'39	6♋41	17°50	15°21	0°41	3°38	25°27	8° 6	24°55	18°32	14°28	12°53	0°11	15°48	S 18
M19	6 11 55	3°11'50	21°20	19°22	16°21	1°18	3°37	25°30	8° 8	24°55	18°33	14°20	12°50	0°18	15°46	M19
T 20	6 15 51	4°13'00	6♌ 5	20°52	17°22	1°55	3°36	25°33	8°11	24°55	18°35	14°12	12°46	0°25	15°45	T 20
W21	6 19 48	5°14'10	20°50	22°21	18°23	2°32	3°34	25°36	8°13	24°54	18°36	14° 4	12°43	0°32	15°43	W21
T 22	6 23 44	6°15'20	5♍27	23°48	19°24	3° 8	3°33	25°39	8°16	24°54	18°37	13°58	12°40	0°38	15°41	T 22
F 23	6 27 41	7°16'30	19°51	25°11	20°26	3°45	3°31	25°42	8°18	24°54	18°38	13°55	12°37	0°45	15°39	F 23
S 24	6 31 37	8°17'39	3♎59	26°32	21°28	4°22	3°29	25°45	8°20	24°53	18°40	13°D53	12°34	0°52	15°38	S 24
S 25	6 35 34	9°18'49	17°49	27°49	22°31	4°59	3°27	25°49	8°23	24°53	18°41	13°53	12°30	0°58	15°36	S 25
M26	6 39 31	10°19'58	1♏23	29° 2	23°34	5°35	3°25	25°52	8°25	24°53	18°43	13°54	12°27	1° 5	15°35	M26
T 27	6 43 27	11°21'07	14°41	0♒ 9	24°37	6°12	3°22	25°56	8°27	24°53	18°44	13°R55	12°24	1°12	15°33	T 27
W28	6 47 24	12°22'16	27°46	1°11	25°41	6°49	3°20	26° 0	8°29	24°53	18°45	13°54	12°21	1°19	15°32	W28
T 29	6 51 20	13°23'25	10♐39	2° 5	26°45	7°25	3°17	26° 3	8°31	24°53	18°47	13°50	12°18	1°25	15°30	T 29
F 30	6 55 17	14°24'33	23°21	2°53	27°49	8° 2	3°14	26° 7	8°33	24°D53	18°48	13°44	12°15	1°32	15°29	F 30
S 31	6 59 13	15♑25'40	5♑53	3♒31	28♏53	8♏39	3♍10	26♓11	8♏35	24♈53	18♒50	13♉35	12♉11	1♓39	15♉28	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s42	21s56	1s26	25s 5	1s51	8s45	2n51	6s49	1n11	11n22	1n 8	4s20	2s30	13s38	0n25	8n 1	1s53	26s24	11s34	16n30	16n 3	16s48	15n18	1s37
F 2	22 49	25 9	2 32	25 14	1 54	8 59	2 54	7 4	1 11	11 21	1 8	4 19	2 30	13 39	0 25	8 0	1 53	26 23	11 33	16 29	16 2	16 45	15 17	1 37
S 3	22 55	27 1	3 29	25 23	1 58	9 13	2 58	7 18	1 11	11 21	1 8	4 18	2 30	13 40	0 25	8 0	1 53	26 23	11 33	16 28	16 1	16 43	15 17	1 37
S 4	23 1	27 25	4 14	25 29	2 0	9 28	3 1	7 32	1 11	11 20	1 9	4 17	2 29	13 41	0 25	8 0	1 53	26 22	11 33	16 26	16 1	16 40	15 16	1 37
M 5	23 6	26 26	4 47	25 35	2 3	9 43	3 4	7 46	1 11	11 20	1 9	4 17	2 29	13 42	0 25	8 0	1 53	26 22	11 33	16 25	16 0	16 37	15 15	1 37
T 6	23 11	24 13	5 5	25 38	2 5	9 58	3 7	8 0	1 10	11 20	1 9	4 16	2 29	13 43	0 25	7 59	1 53	26 21	11 33	16 23	15 59	16 35	15 14	1 37
W 7	23 15	20 57	5 10	25 41	2 7	10 14	3 9	8 14	1 10	11 19	1 10	4 15	2 29	13 44	0 25	7 59	1 53	26 21	11 32	16 21	15 58	16 32	15 14	1 37
T 8	23 19	16 51	5 2	25 41	2 8	10 30	3 12	8 28	1 10	11 19	1 10	4 14	2 28	13 45	0 25	7 59	1 53	26 20	11 32	16 20	15 57	16 30	15 13	1 37
F 9	23 23	12 9	4 41	25 40	2 9	10 46	3 14	8 41	1 10	11 19	1 10	4 13	2 28	13 45	0 25	7 59	1 53	26 20	11 32	16 19	15 56	16 27	15 12	1 37
S 10	23 26	6 59	4 7	25 37	2 10	11 2	3 16	8 55	1 10	11 19	1 10	4 12	2 28	13 46	0 25	7 58	1 53	26 19	11 32	16 18	15 55	16 24	15 11	1 37
S 11	23 28	1 31	3 23	25 33	2 10	11 19	3 17	9 9	1 9	11 19	1 11	4 11	2 28	13 47	0 25	7 58	1 53	26 19	11 32	16 19	15 54	16 22	15 11	1 37
M12	23 30	4n 6	2 28	25 27	2 9	11 35	3 19	9 23	1 9	11 19	1 11	4 10	2 27	13 48	0 25	7 58	1 53	26 18	11 31	16 19	15 53	16 19	15 10	1 37
T 13	23 32	9 42	1 26	25 19	2 8	11 52	3 20	9 36	1 9	11 20	1 11	4 9	2 27	13 49	0 25	7 58	1 53	26 18	11 31	16 19	15 52	16 16	15 9	1 37
W14	23 33	15 3	0 18	25 10	2 7	12 9	3 21	9 50	1 9	11 20	1 12	4 8	2 27	13 50	0 25	7 58	1 53	26 17	11 31	16 20	15 51	16 14	15 9	1 37
T 15	23 34	19 53	0n53	24 59	2 5	12 26	3 22	10 3	1 9	11 20	1 12	4 7	2 27	13 51	0 25	7 58	1 53	26 16	11 31	16 20	15 50	16 11	15 8	1 37
F 16	23 34	23 50	2 4	24 46	2 2	12 42	3 23	10 16	1 8	11 21	1 12	4 5	2 26	13 52	0 25	7 57	1 53	26 16	11 31	16 19	15 49	16 8	15 7	1 37
S 17	23 33	26 28	3 9	24 32	1 59	13 0	3 23	10 30	1 8	11 21	1 12	4 4	2 26	13 53	0 25	7 57	1 53	26 15	11 31	16 18	15 48	16 6	15 7	1 37
S 18	23 33	27 26	4 3	24 16	1 55	13 17	3 24	10 43	1 8	11 22	1 13	4 3	2 26	13 53	0 25	7 57	1 53	26 15	11 30	16 16	15 47	16 3	15 6	1 37
M19	23 31	26 30	4 42	23 58	1 50	13 34	3 24	10 56	1 7	11 22	1 13	4 1	2 26	13 54	0 25	7 57	1 52	26 14	11 30	16 13	15 46	16 0	15 6	1 37
T 20	23 30	23 44	5 3	23 39	1 45	13 51	3 24	11 9	1 7	11 23	1 13	4 0	2 25	13 55	0 25	7 57	1 52	26 14	11 30	16 11	15 45	15 58	15 5	1 37
W21	23 28	19 25	5 4	23 19	1 38	14 8	3 24	11 22	1 7	11 24	1 14	3 59	2 25	13 56	0 25	7 57	1 52	26 13	11 30	16 9	15 44	15 55	15 5	1 37
T 22	23 25	13 58	4 45	22 57	1 31	14 25	3 23	11 35	1 7	11 24	1 14	3 57	2 25	13 57	0 25	7 57	1 52	26 13	11 30	16 7	15 43	15 52	15 4	1 37
F 23	23 22	7 51	4 9	22 34	1 23	14 41	3 23	11 48	1 6	11 25	1 14	3 56	2 25	13 57	0 25	7 57	1 52	26 12	11 30	16 6	15 42	15 50	15 4	1 37
S 24	23 18	1 25	3 17	22 10	1 14	14 58	3 22	12 0	1 6	11 26	1 14	3 54	2 24	13 58	0 25	7 57	1 52	26 11	11 29	16 5	15 41	15 47	15 3	1 37
S 25	23 14	4s57	2 15	21 45	1 4	15 15	3 21	12 13	1 6	11 27	1 15	3 53	2 24	13 59	0 25	7 57	1 52	26 11	11 29	16 5	15 40	15 44	15 3	1 37
M26	23 10	10 58	1 7	21 19	0 53	15 31	3 21	12 26	1 5	11 28	1 15	3 51	2 24	13 59	0 25	7 57	1 52	26 10	11 29	16 6	15 39	15 42	15 2	1 37
T 27	23 5	16 24	0s 4	20 53	0 41	15 48	3 19	12 38	1 5	11 29	1 15	3 49	2 24	14 0	0 25	7 57	1 52	26 10	11 29	16 6	15 38	15 39	15 2	1 37
W28	22 59	20 57	1 13	20 27	0 28	16 4	3 18	12 50	1 5	11 31	1 16	3 48	2 24	14 1	0 25	7 57	1 52	26 9	11 29	16 5	15 37	15 36	15 1	1 37
T 29	22 53	24 26	2 18	20 1	0 14	16 20	3 17	13 3	1 4	11 32	1 16	3 46	2 23	14 2	0 25	7 57	1 52	26 8	11 29	16 4	15 36	15 34	15 1	1 37
F 30	22 47	26 37	3 14	19 36	0n 1	16 36	3 16	13 15	1 4	11 33	1 16	3 44	2 23	14 2	0 25	7 57	1 52	26 8	11 29	16 3	15 35	15 31	15 1	1 37
S 31	22s40	27s26	4s 0	19s12	0n17	16s52	3n14	13s27	1n 4	11n35	1n16	3s42	2s23	14s 3	0n25	7n57	1s52	26s 7	11s29	16n 0	15n34	15s28	15n 0	1s37

Julian Day Number = 2106365.5, Delta T = 20m22s
Ecliptic obliquity = 23°33'48, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°33'59, Lahiri = 10°40'59 Julian Calendar 1 Dec. 1054 == Greg. Calendar 7 Dec. 1054

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1055
geocentric

JANUARY 1055 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 3 10	16♉26'47	18♉16	4♒ 1	29♏58	9♏15	3°R 7	26♓15	8♏37	24♈53	18♒51	13°R24	12♋ 8	1♓45	15°R27	S 1
M 2	7 7 7	17°27'54	0♒29	4°20	1♐ 3	9°52	3♍ 4	26°20	8°39	24°53	18°53	13♋11	12° 5	1°52	15♋26	M 2
T 3	7 11 3	18°28'59	12°34	4°R29	2° 8	10°28	3° 0	26°24	8°41	24°53	18°54	12°58	12° 2	1°59	15°25	T 3
W 4	7 15 0	19°30'03	24°32	4°26	3°14	11° 5	2°56	26°28	8°43	24°53	18°56	12°46	11°59	2° 6	15°24	W 4
T 5	7 18 56	20°31'06	6♓24	4°12	4°20	11°41	2°52	26°33	8°45	24°53	18°57	12°36	11°56	2°12	15°23	T 5
F 6	7 22 53	21°32'09	18°13	3°46	5°26	12°17	2°47	26°37	8°47	24°53	18°59	12°28	11°52	2°19	15°22	F 6
S 7	7 26 49	22°33'10	0♈ 4	3°10	6°32	12°54	2°43	26°42	8°48	24°54	19° 0	12°23	11°49	2°26	15°21	S 7
S 8	7 30 46	23°34'09	12° 0	2°23	7°38	13°30	2°38	26°46	8°50	24°54	19° 2	12°21	11°46	2°32	15°20	S 8
M 9	7 34 42	24°35'08	24° 7	1°27	8°45	14° 6	2°34	26°51	8°51	24°54	19° 3	12°D20	11°43	2°39	15°20	M 9
T 10	7 38 39	25°36'05	6♉29	0°23	9°51	14°42	2°29	26°56	8°53	24°55	19° 5	12°R20	11°40	2°46	15°19	T 10
W11	7 42 36	26°37'01	19°13	29♉14	10°58	15°19	2°24	27° 1	8°54	24°55	19° 6	12°20	11°36	2°53	15°19	W11
T 12	7 46 32	27°37'56	2♊23	28° 1	12° 6	15°55	2°18	27° 6	8°56	24°55	19° 8	12°18	11°33	2°59	15°18	T 12
F 13	7 50 29	28°38'49	16° 1	26°47	13°13	16°31	2°13	27°11	8°57	24°56	19°10	12°15	11°30	3° 6	15°18	F 13
S 14	7 54 25	29°39'42	0♋ 9	25°34	14°20	17° 7	2° 7	27°16	8°58	24°56	19°11	12° 8	11°27	3°13	15°18	S 14
S 15	7 58 22	0♒40'32	14°44	24°23	15°28	17°43	2° 2	27°21	9° 0	24°57	19°13	11°59	11°24	3°19	15°17	S 15
M16	8 2 18	1°41'22	29°41	23°17	16°36	18°19	1°56	27°27	9° 1	24°57	19°14	11°48	11°21	3°26	15°17	M16
T 17	8 6 15	2°42'10	14♌49	22°16	17°44	18°55	1°50	27°32	9° 2	24°58	19°16	11°36	11°17	3°33	15°17	T 17
W18	8 10 11	3°42'57	29°59	21°23	18°52	19°30	1°44	27°38	9° 3	24°59	19°18	11°25	11°14	3°40	15°D17	W18
T 19	8 14 8	4°43'42	15♍ 1	20°36	20° 1	20° 6	1°38	27°43	9° 4	24°59	19°19	11°16	11°11	3°46	15°17	T 19
F 20	8 18 5	5°44'27	29°46	19°58	21° 9	20°42	1°31	27°49	9° 5	25° 0	19°21	11°10	11° 8	3°53	15°17	F 20
S 21	8 22 1	6°45'10	14♎ 7	19°29	22°18	21°18	1°25	27°54	9° 6	25° 1	19°23	11° 6	11° 5	4° 0	15°18	S 21
S 22	8 25 58	7°45'52	28° 5	19° 7	23°26	21°53	1°18	28° 0	9° 7	25° 2	19°24	11° 5	11° 2	4° 6	15°18	S 22
M23	8 29 54	8°46'34	11♏38	18°53	24°35	22°29	1°11	28° 6	9° 8	25° 2	19°26	11° 5	10°58	4°13	15°18	M23
T 24	8 33 51	9°47'14	24°50	18°D47	25°44	23° 5	1° 5	28°12	9° 9	25° 3	19°28	11° 5	10°55	4°20	15°18	T 24
W25	8 37 47	10°47'53	7♐44	18°48	26°54	23°40	0°58	28°18	9° 9	25° 4	19°29	11° 3	10°52	4°27	15°19	W25
T 26	8 41 44	11°48'30	20°22	18°57	28° 3	24°16	0°51	28°24	9°10	25° 5	19°31	10°59	10°49	4°33	15°19	T 26
F 27	8 45 40	12°49'07	2♑48	19°11	29°12	24°51	0°44	28°30	9°11	25° 6	19°33	10°51	10°46	4°40	15°20	F 27
S 28	8 49 37	13°49'42	15° 5	19°32	0♑22	25°26	0°36	28°36	9°11	25° 7	19°34	10°41	10°42	4°47	15°21	S 28
S 29	8 53 34	14°50'15	27°14	19°58	1°31	26° 2	0°29	28°42	9°12	25° 8	19°36	10°28	10°39	4°53	15°21	S 29
M30	8 57 30	15°50'47	9♒17	20°29	2°41	26°37	0°22	28°48	9°12	25° 9	19°38	10°13	10°36	5° 0	15°22	M30
T 31	9 1 27	16♒51'18	21♒15	21♑ 5	3♑51	27♏12	0♍14	28♓54	9♏13	25♈10	19♒39	9♋58	10♋33	5♓ 7	15♋23	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	22s33	26s50	4s34	18s48	0n34	17s 7	3n12	13s39	1n 3	11n36	1n17	3s41	2s23	14s 3	0n25	7n57	1s52	26s 7	11s28	15n57	15n33	15s25	15n 0	1s37	
M 2	22 25	24 57	4 55	18 27	0 51	17 22	3 11	13 51	1 3	11 38	1 17	3 39	2 22	14 4	0 25	7 57	1 52	26 6	11 28	15 53	15 32	15 23	15 0	1 37	
T 3	22 17	21 57	5 2	18 7	1 9	17 37	3 9	14 3	1 3	11 39	1 17	3 37	2 22	14 5	0 25	7 57	1 52	26 6	11 28	15 49	15 31	15 20	14 59	1 37	
W 4	22 8	18 3	4 56	17 50	1 27	17 51	3 7	14 15	1 2	11 41	1 17	3 35	2 22	14 5	0 25	7 57	1 51	26 5	11 28	15 45	15 31	15 17	14 59	1 37	
T 5	21 59	13 29	4 37	17 36	1 46	18 6	3 5	14 26	1 2	11 43	1 18	3 33	2 22	14 6	0 25	7 57	1 51	26 4	11 28	15 42	15 30	15 15	14 59	1 37	
F 6	21 50	8 27	4 6	17 24	2 4	18 20	3 2	14 38	1 1	11 45	1 18	3 31	2 22	14 6	0 25	7 58	1 51	26 4	11 28	15 40	15 29	15 12	14 59	1 37	
S 7	21 40	3 6	3 24	17 16	2 21	18 33	3 0	14 49	1 1	11 46	1 18	3 29	2 21	14 7	0 25	7 58	1 51	26 3	11 28	15 38	15 28	15 9	14 58	1 37	
S 8	21 30	2n25	2 34	17 10	2 38	18 47	2 58	15 1	1 1	11 48	1 18	3 27	2 21	14 7	0 25	7 58	1 51	26 3	11 28	15 37	15 27	15 6	14 58	1 37	
M 9	21 19	7 56	1 35	17 8	2 53	19 0	2 55	15 12	1 0	11 50	1 19	3 25	2 21	14 8	0 25	7 58	1 51	26 2	11 28	15 37	15 26	15 4	14 58	1 37	
T 10	21 8	13 16	0 31	17 8	3 6	19 12	2 52	15 23	1 0	11 52	1 19	3 23	2 21	14 8	0 25	7 58	1 51	26 1	11 28	15 37	15 25	15 1	14 58	1 37	
W11	20 56	18 12	0n36	17 11	3 18	19 24	2 50	15 34	0 59	11 54	1 19	3 20	2 21	14 9	0 25	7 58	1 51	26 1	11 28	15 37	15 24	14 58	14 58	1 37	
T 12	20 45	22 27	1 44	17 17	3 27	19 36	2 47	15 45	0 59	11 57	1 19	3 18	2 20	14 9	0 25	7 59	1 51	26 0	11 27	15 37	15 23	14 55	14 58	1 37	
F 13	20 32	25 37	2 48	17 24	3 34	19 47	2 44	15 56	0 58	11 59	1 20	3 16	2 20	14 10	0 25	7 59	1 51	26 0	11 27	15 35	15 22	14 53	14 57	1 37	
S 14	20 20	27 18	3 44	17 34	3 38	19 58	2 41	16 6	0 58	12 1	1 20	3 14	2 20	14 10	0 25	7 59	1 51	25 59	11 27	15 33	15 21	14 50	14 57	1 37	
S 15	20 7	27 10	4 27	17 44	3 40	20 9	2 38	16 17	0 57	12 3	1 20	3 12	2 20	14 10	0 25	7 59	1 51	25 59	11 27	15 31	15 20	14 47	14 57	1 37	
M16	19 53	25 6	4 54	17 56	3 40	20 19	2 35	16 27	0 57	12 5	1 20	3 9	2 20	14 11	0 25	8 0	1 51	25 58	11 27	15 27	15 19	14 44	14 57	1 37	
T 17	19 39	21 14	5 0	18 8	3 37	20 28	2 32	16 38	0 56	12 8	1 21	3 7	2 20	14 11	0 25	8 0	1 51	25 57	11 27	15 24	15 18	14 41	14 57	1 37	
W18	19 25	15 58	4 45	18 21	3 33	20 37	2 29	16 48	0 56	12 10	1 21	3 5	2 19	14 11	0 25	8 0	1 51	25 57	11 27	15 20	15 17	14 39	14 57	1 37	
T 19	19 11	9 46	4 10	18 34	3 27	20 46	2 26	16 58	0 55	12 13	1 21	3 2	2 19	14 12	0 25	8 1	1 51	25 56	11 27	15 17	15 16	14 36	14 57	1 37	
F 20	18 56	3 9	3 20	18 47	3 19	20 54	2 22	17 8	0 55	12 15	1 21	3 0	2 19	14 12	0 25	8 1	1 50	25 56	11 27	15 15	15 15	14 33	14 57	1 37	
S 21	18 41	3s30	2 17	19 0	3 10	21 2	2 19	17 18	0 54	12 18	1 21	2 57	2 19	14 12	0 25	8 1	1 50	25 55	11 27	15 14	15 14	14 30	14 57	1 37	
S 22	18 25	9 47	1 8	19 13	3 0	21 9	2 15	17 28	0 54	12 20	1 22	2 55	2 19	14 13	0 25	8 2	1 50	25 55	11 27	15 14	15 13	14 27	14 58	1 37	
M23	18 10	15 27	0s 3	19 25	2 50	21 15	2 12	17 38	0 53	12 23	1 22	2 53	2 19	14 13	0 25	8 2	1 50	25 54	11 27	15 14	15 12	14 25	14 58	1 37	
T 24	17 53	20 14	1 12	19 37	2 39	21 21	2 8	17 47	0 53	12 25	1 22	2 50	2 18	14 13	0 25	8 2	1 50	25 53	11 27	15 14	15 11	14 22	14 58	1 37	
W25	17 37	23 56	2 16	19 49	2 27	21 27	2 5	17 57	0 52	12 28	1 22	2 48	2 18	14 13	0 25	8 3	1 50	25 53	11 27	15 13	15 10	14 19	14 58	1 37	
T 26	17 20	26 23	3 11	19 59	2 15	21 32	2 1	18 6	0 51	12 31	1 22	2 45	2 18	14 14	0 25	8 3	1 50	25 52	11 27	15 12	15 9	14 16	14 58	1 37	
F 27	17 3	27 29	3 57	20 9	2 3	21 36	1 58	18 15	0 51	12 33	1 22	2 42	2 18	14 14	0 25	8 3	1 50	25 52	11 27	15 10	15 8	14 13	14 58	1 37	
S 28	16 46	27 11	4 30	20 18	1 51	21 40	1 54	18 25	0 50	12 36	1 23	2 40	2 18	14 14	0 25	8 4	1 50	25 51	11 27	15 6	15 7	14 11	14 59	1 37	
S 29	16 28	25 35	4 51	20 26	1 39	21 43	1 50	18 34	0 50	12 39	1 23	2 37	2 18	14 14	0 25	8 4	1 50	25 51	11 27	15 2	15 6	14 8	14 59	1 37	
M30	16 10	22 49	4 59	20 34	1 27	21 46	1 46	18 42	0 49	12 42	1 23	2 35	2 17	14 14	0 25	8 5	1 50	25 50	11 27	14 58	15 5	14 5	14 59	1 37	
T 31	15s52	19s 7	4s54	20s40	1n15	21s48	1n43	18s51	0n48	12n44	1n23	2s32	2s17	14s14	0n25	8n 5	1s50	25s50	11s27	14n53	15n 4	14s 2	14n59	1s37	

Julian Day Number = 2106396.5, Delta T = 20m22s
Ecliptic obliquity = 23°33'49, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°34'03, Lahiri = 10°41'04 Julian Calendar 1 Jan. 1055 == Greg. Calendar 7 Jan. 1055

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1055
geocentric

FEBRUARY 1055 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 5 23	17♒51'46	3♓ 8	21♑45	5♑ 1	27♏47	0°R 7	29♓ 1	9♏13	25♈11	19♒41	9°R44	10♉30	5♓14	15♉24	W 1
T 2	9 9 20	18°52'13	14°59	22°29	6°11	28°22	29♌59	29° 7	9°13	25°12	19°43	9♉32	10°27	5°20	15°25	T 2
F 3	9 13 16	19°52'38	26°48	23°18	7°21	28°57	29°52	29°14	9°13	25°13	19°44	9°22	10°23	5°27	15°26	F 3
S 4	9 17 13	20°53'01	8♈40	24° 9	8°31	29°32	29°44	29°20	9°14	25°14	19°46	9°16	10°20	5°34	15°27	S 4
S 5	9 21 9	21°53'23	20°36	25° 4	9°41	0♐ 7	29°36	29°27	9°14	25°16	19°48	9°12	10°17	5°40	15°28	S 5
M 6	9 25 6	22°53'42	2♉42	26° 1	10°51	0°42	29°29	29°33	9°14	25°17	19°49	9°11	10°14	5°47	15°29	M 6
T 7	9 29 3	23°53'59	15° 2	27° 2	12° 2	1°16	29°21	29°40	9°R14	25°18	19°51	9°D11	10°11	5°54	15°31	T 7
W 8	9 32 59	24°54'14	27°40	28° 4	13°12	1°51	29°13	29°47	9°14	25°19	19°53	9°R11	10° 8	6° 0	15°32	W 8
T 9	9 36 56	25°54'27	10♊43	29°10	14°23	2°25	29° 5	29°53	9°14	25°21	19°54	9°10	10° 4	6° 7	15°34	T 9
F 10	9 40 52	26°54'38	24°13	0♒17	15°33	3° 0	28°57	0♈ 0	9°13	25°22	19°56	9° 7	10° 1	6°14	15°35	F 10
S 11	9 44 49	27°54'47	8♋14	1°27	16°44	3°34	28°50	0° 7	9°13	25°23	19°58	9° 2	9°58	6°21	15°37	S 11
S 12	9 48 45	28°54'54	22°45	2°39	17°55	4° 9	28°42	0°14	9°13	25°25	19°59	8°54	9°55	6°27	15°38	S 12
M13	9 52 42	29°54'59	7♌41	3°52	19° 6	4°43	28°34	0°21	9°13	25°26	20° 1	8°44	9°52	6°34	15°40	M13
T 14	9 56 38	0♓55'01	22°54	5° 7	20°16	5°17	28°26	0°28	9°12	25°28	20° 3	8°34	9°48	6°41	15°42	T 14
W15	10 0 35	1°55'02	8♍15	6°24	21°27	5°51	28°18	0°35	9°12	25°29	20° 4	8°24	9°45	6°47	15°44	W15
T 16	10 4 32	2°55'00	23°32	7°43	22°38	6°25	28°10	0°42	9°11	25°31	20° 6	8°16	9°42	6°54	15°45	T 16
F 17	10 8 28	3°54'57	8♎33	9° 3	23°49	6°59	28° 3	0°49	9°11	25°32	20° 8	8°10	9°39	7° 1	15°47	F 17
S 18	10 12 25	4°54'52	23°11	10°25	25° 1	7°33	27°55	0°56	9°10	25°34	20° 9	8° 7	9°36	7° 8	15°49	S 18
S 19	10 16 21	5°54'45	7♏23	11°48	26°12	8° 6	27°47	1° 3	9°10	25°35	20°11	8°D 6	9°33	7°14	15°51	S 19
M20	10 20 18	6°54'37	21° 6	13°13	27°23	8°40	27°39	1°10	9° 9	25°37	20°13	8° 7	9°29	7°21	15°53	M20
T 21	10 24 14	7°54'27	4♐23	14°39	28°34	9°14	27°32	1°17	9° 8	25°39	20°14	8°R 7	9°26	7°28	15°56	T 21
W22	10 28 11	8°54'15	17°17	16° 6	29°46	9°47	27°24	1°25	9° 7	25°40	20°16	8° 7	9°23	7°34	15°58	W22
T 23	10 32 7	9°54'02	29°52	17°35	0♒57	10°20	27°17	1°32	9° 7	25°42	20°18	8° 5	9°20	7°41	16° 0	T 23
F 24	10 36 4	10°53'46	12♑12	19° 5	2° 8	10°54	27° 9	1°39	9° 6	25°44	20°19	8° 0	9°17	7°48	16° 2	F 24
S 25	10 40 1	11°53'29	24°20	20°36	3°20	11°27	27° 2	1°46	9° 5	25°45	20°21	7°53	9°13	7°55	16° 5	S 25
S 26	10 43 57	12°53'10	6♒21	22° 9	4°31	12° 0	26°54	1°54	9° 4	25°47	20°22	7°44	9°10	8° 1	16° 7	S 26
M27	10 47 54	13°52'50	18°16	23°43	5°43	12°33	26°47	2° 1	9° 3	25°49	20°24	7°34	9° 7	8° 8	16°10	M27
T 28	10 51 50	14♓52'27	0♓ 8	25♒18	6♒55	13♐ 5	26♌40	2♈ 8	9♏ 2	25♈51	20♒25	7♉23	9♉ 4	8♓15	16♉12	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	15s33	14s41	4s35	20s45	1n 3	21s49	1n39	19s 0	0n48	12n47	1n23	2s29	2s17	14s14	0n25	8n 5	1s50	25s49	11s27	14n48	15n 3	13s59	15n 0	1s37
T 2	15 15	9 42	4 5	20 49	0 52	21 50	1 35	19 8	0 47	12 50	1 23	2 27	2 17	14 14	0 25	8 6	1 50	25 49	11 27	14 45	15 2	13 56	15 0	1 37
F 3	14 56	4 23	3 24	20 52	0 41	21 50	1 31	19 17	0 46	12 53	1 24	2 24	2 17	14 15	0 25	8 6	1 50	25 48	11 27	14 41	15 1	13 53	15 0	1 37
S 4	14 37	1n 6	2 34	20 54	0 30	21 50	1 27	19 25	0 46	12 56	1 24	2 21	2 17	14 15	0 25	8 7	1 50	25 48	11 27	14 39	15 0	13 51	15 0	1 37
S 5	14 17	6 36	1 37	20 55	0 19	21 49	1 24	19 33	0 45	12 59	1 24	2 19	2 17	14 15	0 25	8 7	1 50	25 47	11 27	14 38	14 59	13 48	15 1	1 37
M 6	13 57	11 56	0 34	20 55	0 9	21 48	1 20	19 41	0 44	13 1	1 24	2 16	2 17	14 15	0 25	8 8	1 49	25 47	11 27	14 38	14 58	13 45	15 1	1 37
T 7	13 37	16 55	0n31	20 53	0s 1	21 45	1 16	19 49	0 43	13 4	1 24	2 13	2 16	14 15	0 25	8 8	1 49	25 46	11 27	14 38	14 57	13 42	15 2	1 37
W 8	13 17	21 19	1 36	20 50	0 11	21 43	1 12	19 57	0 43	13 7	1 24	2 10	2 16	14 15	0 25	8 9	1 49	25 46	11 28	14 38	14 56	13 39	15 2	1 37
T 9	12 57	24 47	2 39	20 46	0 21	21 39	1 8	20 4	0 42	13 10	1 24	2 7	2 16	14 15	0 25	8 9	1 49	25 45	11 28	14 37	14 55	13 36	15 2	1 37
F 10	12 36	27 1	3 35	20 41	0 30	21 35	1 4	20 12	0 41	13 13	1 24	2 5	2 16	14 14	0 25	8 10	1 49	25 45	11 28	14 36	14 54	13 33	15 3	1 37
S 11	12 16	27 38	4 20	20 34	0 39	21 31	1 0	20 19	0 40	13 16	1 24	2 2	2 16	14 14	0 25	8 11	1 49	25 44	11 28	14 35	14 53	13 31	15 3	1 37
S 12	11 55	26 24	4 50	20 26	0 47	21 25	0 57	20 26	0 39	13 18	1 24	1 59	2 16	14 14	0 25	8 11	1 49	25 44	11 28	14 32	14 52	13 28	15 4	1 37
M13	11 34	23 18	5 2	20 17	0 55	21 20	0 53	20 34	0 39	13 21	1 25	1 56	2 16	14 14	0 26	8 12	1 49	25 43	11 28	14 29	14 51	13 25	15 4	1 37
T 14	11 12	18 33	4 53	20 6	1 3	21 13	0 49	20 41	0 38	13 24	1 25	1 53	2 16	14 14	0 26	8 12	1 49	25 43	11 28	14 26	14 50	13 22	15 5	1 37
W15	10 51	12 34	4 23	19 54	1 10	21 6	0 45	20 47	0 37	13 27	1 25	1 50	2 16	14 14	0 26	8 13	1 49	25 42	11 28	14 23	14 49	13 19	15 5	1 37
T 16	10 29	5 51	3 34	19 41	1 17	20 58	0 41	20 54	0 36	13 30	1 25	1 48	2 15	14 14	0 26	8 13	1 49	25 42	11 28	14 20	14 48	13 16	15 6	1 37
F 17	10 7	1s 6	2 30	19 26	1 24	20 50	0 37	21 1	0 35	13 32	1 25	1 45	2 15	14 14	0 26	8 14	1 49	25 41	11 28	14 18	14 47	13 13	15 7	1 37
S 18	9 45	7 50	1 19	19 10	1 30	20 41	0 34	21 7	0 34	13 35	1 25	1 42	2 15	14 13	0 26	8 15	1 49	25 41	11 28	14 17	14 46	13 10	15 7	1 37
S 19	9 23	13 59	0 4	18 52	1 36	20 32	0 30	21 14	0 33	13 38	1 25	1 39	2 15	14 13	0 26	8 15	1 49	25 40	11 29	14 17	14 45	13 7	15 8	1 37
M20	9 1	19 14	1s 9	18 33	1 41	20 22	0 26	21 20	0 32	13 41	1 25	1 36	2 15	14 13	0 26	8 16	1 49	25 40	11 29	14 17	14 44	13 4	15 8	1 37
T 21	8 39	23 21	2 16	18 13	1 46	20 11	0 22	21 26	0 31	13 43	1 25	1 33	2 15	14 13	0 26	8 17	1 49	25 40	11 29	14 17	14 43	13 2	15 9	1 37
W22	8 16	26 10	3 13	17 52	1 51	20 0	0 19	21 32	0 30	13 46	1 25	1 30	2 15	14 12	0 26	8 17	1 49	25 39	11 29	14 17	14 42	12 59	15 10	1 37
T 23	7 54	27 34	4 0	17 29	1 55	19 48	0 15	21 38	0 29	13 48	1 25	1 27	2 15	14 12	0 26	8 18	1 49	25 39	11 29	14 16	14 41	12 56	15 10	1 37
F 24	7 31	27 34	4 35	17 4	1 59	19 36	0 11	21 44	0 28	13 51	1 25	1 24	2 15	14 12	0 26	8 19	1 49	25 38	11 29	14 15	14 40	12 53	15 11	1 37
S 25	7 8	26 13	4 56	16 38	2 3	19 23	0 8	21 49	0 27	13 54	1 25	1 21	2 15	14 11	0 26	8 19	1 49	25 38	11 29	14 13	14 39	12 50	15 12	1 37
S 26	6 45	23 42	5 5	16 11	2 6	19 10	0 4	21 55	0 26	13 56	1 25	1 18	2 15	14 11	0 26	8 20	1 48	25 37	11 30	14 10	14 38	12 47	15 12	1 37
M27	6 22	20 10	5 0	15 42	2 9	18 56	0 1	22 0	0 25	13 59	1 25	1 15	2 15	14 11	0 26	8 21	1 48	25 37	11 30	14 6	14 37	12 44	15 13	1 37
T 28	5s59	15s52	4s42	15s12	2s11	18s41	0s 3	22s 6	0n24	14n 1	1n25	1s12	2s15	14s10	0n26	8n21	1s48	25s37	11s30	14n 3	14n36	12s41	15n14	1s37

Julian Day Number = 2106427.5, Delta T = 20m22s
Ecliptic obliquity = 23°33'49, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°34'07, Lahiri = 10°41'08 Julian Calendar 1 Feb. 1055 == Greg. Calendar 7 Feb. 1055

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1055
geocentric

MARCH 1055 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 55 47	15♓52'02	11♓59	26♒55	8♒ 6	13♐38	26°R33	2♈16	9°R 1	25♈52	20♒27	7°R13	9♉ 1	8♓21	16♉15	W 1
T 2	10 59 43	16°51'35	23°50	28°32	9°18	14°11	26♌26	2°23	8♏59	25°54	20°29	7♉ 4	8°58	8°28	16°18	T 2
F 3	11 3 40	17°51'06	5♈43	0♓11	10°30	14°43	26°19	2°31	8°58	25°56	20°30	6°58	8°54	8°35	16°20	F 3
S 4	11 7 36	18°50'34	17°39	1°52	11°41	15°15	26°12	2°38	8°57	25°58	20°32	6°53	8°51	8°41	16°23	S 4
S 5	11 11 33	19°50'01	29°42	3°33	12°53	15°48	26° 5	2°46	8°56	26° 0	20°33	6°51	8°48	8°48	16°26	S 5
M 6	11 15 29	20°49'25	11♉53	5°16	14° 5	16°20	25°59	2°53	8°54	26° 2	20°35	6°D51	8°45	8°55	16°29	M 6
T 7	11 19 26	21°48'47	24°17	7° 1	15°17	16°51	25°52	3° 1	8°53	26° 4	20°36	6°52	8°42	9° 2	16°32	T 7
W 8	11 23 23	22°48'07	6♊57	8°46	16°29	17°23	25°46	3° 8	8°51	26° 6	20°38	6°54	8°39	9° 8	16°35	W 8
T 9	11 27 19	23°47'24	19°58	10°33	17°41	17°55	25°40	3°16	8°50	26° 8	20°39	6°R55	8°35	9°15	16°38	T 9
F 10	11 31 16	24°46'39	3♋22	12°22	18°53	18°26	25°34	3°23	8°48	26°10	20°40	6°54	8°32	9°22	16°41	F 10
S 11	11 35 12	25°45'52	17°12	14°11	20° 5	18°58	25°28	3°31	8°47	26°12	20°42	6°52	8°29	9°28	16°44	S 11
S 12	11 39 9	26°45'02	1♌29	16° 2	21°17	19°29	25°22	3°39	8°45	26°14	20°43	6°49	8°26	9°35	16°47	S 12
M13	11 43 5	27°44'10	16°11	17°55	22°29	20° 0	25°16	3°46	8°43	26°16	20°45	6°44	8°23	9°42	16°50	M13
T 14	11 47 2	28°43'16	1♍11	19°49	23°41	20°31	25°11	3°54	8°42	26°18	20°46	6°38	8°19	9°48	16°53	T 14
W15	11 50 58	29°42'19	16°23	21°44	24°53	21° 1	25° 5	4° 1	8°40	26°20	20°48	6°33	8°16	9°55	16°56	W15
T 16	11 54 55	0♈41'20	1♎36	23°40	26° 5	21°32	25° 0	4° 9	8°38	26°22	20°49	6°28	8°13	10° 2	17° 0	T 16
F 17	11 58 52	1°40'19	16°40	25°38	27°17	22° 2	24°55	4°17	8°36	26°24	20°50	6°25	8°10	10° 9	17° 3	F 17
S 18	12 2 48	2°39'16	1♏25	27°37	28°29	22°33	24°50	4°24	8°35	26°26	20°52	6°D24	8° 7	10°15	17° 7	S 18
S 19	12 6 45	3°38'11	15°46	29°38	29°41	23° 3	24°45	4°32	8°33	26°28	20°53	6°24	8° 4	10°22	17°10	S 19
M20	12 10 41	4°37'04	29°40	1♈40	0♓53	23°33	24°40	4°39	8°31	26°30	20°54	6°25	8° 0	10°29	17°13	M20
T 21	12 14 38	5°35'56	13♐ 6	3°42	2° 6	24° 2	24°36	4°47	8°29	26°32	20°55	6°27	7°57	10°35	17°17	T 21
W22	12 18 34	6°34'45	26° 7	5°46	3°18	24°32	24°32	4°55	8°27	26°34	20°57	6°28	7°54	10°42	17°21	W22
T 23	12 22 31	7°33'33	8♑46	7°51	4°30	25° 1	24°27	5° 2	8°25	26°37	20°58	6°R28	7°51	10°49	17°24	T 23
F 24	12 26 27	8°32'20	21° 7	9°56	5°42	25°30	24°23	5°10	8°23	26°39	20°59	6°28	7°48	10°55	17°28	F 24
S 25	12 30 24	9°31'04	3♒14	12° 3	6°55	25°59	24°20	5°18	8°21	26°41	21° 0	6°26	7°45	11° 2	17°31	S 25
S 26	12 34 21	10°29'47	15°12	14° 9	8° 7	26°28	24°16	5°25	8°19	26°43	21° 2	6°23	7°41	11° 9	17°35	S 26
M27	12 38 17	11°28'28	27° 4	16°16	9°19	26°56	24°12	5°33	8°17	26°45	21° 3	6°19	7°38	11°16	17°39	M27
T 28	12 42 14	12°27'07	8♓54	18°22	10°32	27°25	24° 9	5°40	8°14	26°48	21° 4	6°15	7°35	11°22	17°43	T 28
W29	12 46 10	13°25'44	20°45	20°28	11°44	27°53	24° 6	5°48	8°12	26°50	21° 5	6°11	7°32	11°29	17°46	W29
T 30	12 50 7	14°24'19	2♈39	22°34	12°57	28°21	24° 3	5°55	8°10	26°52	21° 6	6° 7	7°29	11°36	17°50	T 30
F 31	12 54 3	15♈22'52	14♈38	24♈38	14♓ 9	28♐48	24♌ 0	6♈ 3	8♏ 8	26♈54	21♒ 7	6♉ 5	7♉25	11♓42	17♉54	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s36	10s58	4s11	14s41	2s13	18s26	0s 6	22s11	0n23	14n 4	1n25	1s 9	2s15	14s10	0n26	8n22	1s48	25s36	11s30	14n 0	14n35	12s38	15n15	1s37
T 2	5 13	5 40	3 30	14 8	2 14	18 10	0 10	22 16	0 21	14 6	1 25	1 6	2 15	14 10	0 26	8 23	1 48	25 36	11 30	13 57	14 34	12 35	15 15	1 37
F 3	4 50	0 10	2 40	13 34	2 15	17 54	0 13	22 21	0 20	14 8	1 25	1 3	2 14	14 9	0 26	8 23	1 48	25 36	11 30	13 55	14 32	12 32	15 16	1 37
S 4	4 26	5n24	1 42	12 58	2 15	17 38	0 16	22 26	0 19	14 11	1 25	1 0	2 14	14 9	0 26	8 24	1 48	25 35	11 30	13 53	14 31	12 29	15 17	1 37
S 5	4 3	10 49	0 39	12 21	2 15	17 21	0 19	22 30	0 18	14 13	1 25	0 57	2 14	14 8	0 26	8 25	1 48	25 35	11 31	13 52	14 30	12 26	15 18	1 37
M 6	3 39	15 55	0n27	11 43	2 15	17 3	0 23	22 35	0 17	14 15	1 25	0 54	2 14	14 8	0 26	8 25	1 48	25 35	11 31	13 52	14 29	12 23	15 18	1 37
T 7	3 16	20 27	1 33	11 3	2 14	16 45	0 26	22 39	0 15	14 17	1 25	0 51	2 14	14 8	0 26	8 26	1 48	25 34	11 31	13 53	14 28	12 20	15 19	1 37
W 8	2 52	24 8	2 36	10 22	2 12	16 26	0 29	22 44	0 14	14 19	1 24	0 48	2 14	14 7	0 26	8 27	1 48	25 34	11 31	13 53	14 27	12 17	15 20	1 37
T 9	2 29	26 42	3 32	9 40	2 11	16 7	0 32	22 48	0 13	14 21	1 24	0 45	2 14	14 7	0 26	8 28	1 48	25 34	11 31	13 53	14 26	12 14	15 21	1 37
F 10	2 5	27 50	4 19	8 56	2 8	15 48	0 35	22 52	0 11	14 23	1 24	0 42	2 14	14 6	0 26	8 28	1 48	25 33	11 32	13 53	14 25	12 11	15 22	1 37
S 11	1 42	27 17	4 52	8 11	2 5	15 28	0 38	22 56	0 10	14 25	1 24	0 39	2 14	14 6	0 26	8 29	1 48	25 33	11 32	13 53	14 24	12 8	15 23	1 37
S 12	1 18	24 57	5 9	7 24	2 2	15 8	0 41	23 0	0 9	14 27	1 24	0 36	2 14	14 5	0 26	8 30	1 48	25 33	11 32	13 52	14 23	12 5	15 24	1 37
M13	0 54	20 56	5 6	6 36	1 58	14 47	0 44	23 4	0 7	14 29	1 24	0 33	2 14	14 5	0 26	8 31	1 48	25 33	11 32	13 50	14 22	12 2	15 25	1 37
T 14	0 31	15 30	4 42	5 47	1 53	14 26	0 46	23 7	0 6	14 31	1 24	0 30	2 14	14 4	0 26	8 31	1 48	25 32	11 32	13 48	14 21	11 59	15 25	1 37
W15	0 7	9 4	3 59	4 57	1 48	14 4	0 49	23 11	0 4	14 33	1 24	0 27	2 14	14 3	0 26	8 32	1 48	25 32	11 33	13 46	14 20	11 56	15 26	1 37
T 16	0n17	2 5	2 58	4 6	1 43	13 42	0 52	23 15	0 3	14 34	1 24	0 24	2 14	14 3	0 26	8 33	1 48	25 32	11 33	13 45	14 19	11 53	15 27	1 37
F 17	0 40	4s57	1 46	3 13	1 37	13 20	0 54	23 18	0 1	14 36	1 24	0 21	2 14	14 2	0 26	8 34	1 48	25 32	11 33	13 44	14 18	11 51	15 28	1 37
S 18	1 4	11 36	0 27	2 20	1 30	12 57	0 57	23 21	0s 0	14 37	1 24	0 18	2 14	14 2	0 26	8 35	1 48	25 31	11 33	13 43	14 17	11 47	15 29	1 37
S 19	1 27	17 27	0s51	1 25	1 23	12 34	0 59	23 25	0 2	14 39	1 23	0 15	2 14	14 1	0 26	8 35	1 48	25 31	11 34	13 43	14 16	11 44	15 30	1 37
M20	1 51	22 12	2 4	0 29	1 15	12 10	1 2	23 28	0 3	14 40	1 23	0 12	2 14	14 0	0 26	8 36	1 48	25 31	11 34	13 44	14 15	11 41	15 31	1 37
T 21	2 14	25 35	3 7	0n27	1 7	11 47	1 4	23 31	0 5	14 42	1 23	0 8	2 14	14 0	0 26	8 37	1 48	25 31	11 34	13 44	14 14	11 38	15 32	1 37
W22	2 38	27 29	3 59	1 24	0 59	11 23	1 6	23 34	0 7	14 43	1 23	0 5	2 14	13 59	0 26	8 38	1 48	25 30	11 34	13 45	14 13	11 35	15 33	1 37
T 23	3 1	27 53	4 38	2 22	0 50	10 58	1 8	23 37	0 8	14 44	1 23	0 2	2 14	13 58	0 26	8 39	1 48	25 30	11 35	13 45	14 12	11 32	15 34	1 37
F 24	3 24	26 52	5 2	3 20	0 40	10 33	1 10	23 39	0 10	14 46	1 23	0n 1	2 14	13 58	0 26	8 39	1 48	25 30	11 35	13 45	14 11	11 29	15 35	1 37
S 25	3 47	24 36	5 13	4 19	0 30	10 8	1 12	23 42	0 12	14 47	1 23	0 4	2 14	13 57	0 26	8 40	1 48	25 30	11 35	13 44	14 10	11 26	15 36	1 37
S 26	4 11	21 17	5 10	5 18	0 20	9 43	1 14	23 45	0 14	14 48	1 23	0 7	2 14	13 56	0 26	8 41	1 48	25 30	11 35	13 43	14 9	11 23	15 37	1 37
M27	4 34	17 8	4 53	6 17	0 10	9 18	1 16	23 47	0 15	14 49	1 22	0 10	2 14	13 56	0 26	8 42	1 48	25 30	11 36	13 42	14 8	11 20	15 38	1 37
T 28	4 57	12 21	4 24	7 15	0n 1	8 52	1 18	23 50	0 17	14 50	1 22	0 13	2 14	13 55	0 26	8 43	1 48	25 29	11 36	13 40	14 7	11 17	15 39	1 37
W29	5 20	7 7	3 44	8 13	0 12	8 26	1 20	23 52	0 19	14 51	1 22	0 16	2 14	13 54	0 26	8 43	1 48	25 29	11 36	13 39	14 6	11 14	15 40	1 37
T 30	5 42	1 36	2 54	9 11	0 23	7 59	1 22	23 54	0 21	14 52	1 22	0 19	2 14	13 54	0 26	8 44	1 48	25 29	11 36	13 38	14 5	11 11	15 41	1 37
F 31	6n 5	4n 1	1s55	10n 7	0n34	7s33	1s23	23s57	0s23	14n53	1n22	0n21	2s15	13s53	0n26	8n45	1s48	25s29	11s37	13n37	14n 4	11s 8	15n42	1s37

Julian Day Number = 2106455.5, Delta T = 20m21s
Ecliptic obliquity = 23°33'50, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°34'11, Lahiri = 10°41'12 Julian Calendar 1 March 1055 == Greg. Calendar 7 March 1055

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1055
geocentric

APRIL 1055 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 58 0	16♈21'23	26♈43	26♈41	15♓22	29♐16	23°R57	6♈11	8°R 6	26♈56	21♒ 8	6°R 4	7♉22	11♓49	17♉58	S 1
S 2	13 1 56	17°19'53	8♉58	28°43	16°34	29°43	23♌55	6°18	8♏ 3	26°59	21°10	6°D 3	7°19	11°56	18° 2	S 2
M 3	13 5 53	18°18'20	21°23	0♉43	17°46	0♑ 9	23°53	6°26	8° 1	27° 1	21°11	6♉ 4	7°16	12° 2	18° 6	M 3
T 4	13 9 50	19°16'46	4♊ 0	2°40	18°59	0°36	23°51	6°33	7°59	27° 3	21°12	6° 5	7°13	12° 9	18°10	T 4
W 5	13 13 46	20°15'09	16°51	4°35	20°11	1° 2	23°49	6°41	7°56	27° 5	21°13	6° 6	7°10	12°16	18°14	W 5
T 6	13 17 43	21°13'30	29°59	6°26	21°24	1°28	23°47	6°48	7°54	27° 8	21°14	6° 7	7° 6	12°23	18°18	T 6
F 7	13 21 39	22°11'50	13♋25	8°15	22°36	1°54	23°46	6°56	7°52	27°10	21°15	6° 8	7° 3	12°29	18°22	F 7
S 8	13 25 36	23°10'07	27°11	10° 1	23°49	2°19	23°44	7° 3	7°49	27°12	21°15	6°R 8	7° 0	12°36	18°26	S 8
S 9	13 29 32	24° 8'21	11♌16	11°43	25° 1	2°45	23°43	7°10	7°47	27°14	21°16	6° 8	6°57	12°43	18°30	S 9
M10	13 33 29	25° 6'34	25°41	13°21	26°14	3° 9	23°42	7°18	7°44	27°17	21°17	6° 7	6°54	12°49	18°34	M10
T 11	13 37 25	26° 4'45	10♍20	14°55	27°27	3°34	23°41	7°25	7°42	27°19	21°18	6° 6	6°50	12°56	18°38	T 11
W12	13 41 22	27° 2'53	25°10	16°26	28°39	3°58	23°41	7°33	7°39	27°21	21°19	6° 5	6°47	13° 3	18°42	W12
T 13	13 45 19	28° 1'00	10♎ 3	17°52	29°52	4°22	23°40	7°40	7°37	27°23	21°20	6° 4	6°44	13° 9	18°47	T 13
F 14	13 49 15	28°59'04	24°51	19°15	1♈ 4	4°46	23°40	7°47	7°34	27°26	21°21	6° 3	6°41	13°16	18°51	F 14
S 15	13 53 12	29°57'07	9♏28	20°33	2°17	5° 9	23°D40	7°54	7°32	27°28	21°21	6°D 3	6°38	13°23	18°55	S 15
S 16	13 57 8	0♉55'09	23°46	21°47	3°29	5°32	23°40	8° 2	7°29	27°30	21°22	6° 3	6°35	13°30	18°59	S 16
M17	14 1 5	1°53'09	7♐42	22°56	4°42	5°55	23°41	8° 9	7°27	27°32	21°23	6° 4	6°31	13°36	19° 3	M17
T 18	14 5 1	2°51'07	21°13	24° 1	5°55	6°17	23°41	8°16	7°24	27°35	21°24	6° 4	6°28	13°43	19° 8	T 18
W19	14 8 58	3°49'04	4♑20	25° 1	7° 7	6°39	23°42	8°23	7°22	27°37	21°24	6° 4	6°25	13°50	19°12	W19
T 20	14 12 54	4°47'00	17° 4	25°57	8°20	7° 0	23°43	8°30	7°19	27°39	21°25	6° 5	6°22	13°56	19°16	T 20
F 21	14 16 51	5°44'54	29°28	26°49	9°33	7°21	23°44	8°38	7°17	27°41	21°26	6° 5	6°19	14° 3	19°21	F 21
S 22	14 20 48	6°42'47	11♒38	27°35	10°45	7°42	23°45	8°45	7°14	27°44	21°26	6° 5	6°16	14°10	19°25	S 22
S 23	14 24 44	7°40'39	23°36	28°17	11°58	8° 2	23°46	8°52	7°12	27°46	21°27	6° 5	6°12	14°16	19°29	S 23
M24	14 28 41	8°38'29	5♓29	28°54	13°11	8°22	23°48	8°59	7° 9	27°48	21°28	6° 5	6° 9	14°23	19°34	M24
T 25	14 32 37	9°36'18	17°19	29°26	14°24	8°41	23°50	9° 6	7° 7	27°50	21°28	6° 5	6° 6	14°30	19°38	T 25
W26	14 36 34	10°34'06	29°11	29°53	15°36	9° 0	23°52	9°12	7° 4	27°53	21°29	6° 6	6° 3	14°36	19°42	W26
T 27	14 40 30	11°31'52	11♈ 9	0♊16	16°49	9°19	23°54	9°19	7° 2	27°55	21°29	6° 6	6° 0	14°43	19°47	T 27
F 28	14 44 27	12°29'37	23°16	0°33	18° 2	9°37	23°56	9°26	6°59	27°57	21°30	6° 7	5°56	14°50	19°51	F 28
S 29	14 48 23	13°27'21	5♉33	0°45	19°15	9°54	23°59	9°33	6°57	27°59	21°30	6°R 7	5°53	14°57	19°56	S 29
S 30	14 52 20	14♉25'04	18♉ 3	0♊53	20♈27	10♑11	24♌ 1	9♈40	6♏54	28♈ 1	21♒30	6♉ 7	5♉50	15♓ 3	20♉ 0	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n28	9n34	0s51	11n 3	0n45	7s 6	1s25	23s59	0s25	14n53	1n22	0n24	2s15	13s52	0n26	8n46	1s48	25s29	11s37	13n37	14n 3	11s 5	15n43	1s37
S 2	6 50	14 49	0n16	11 57	0 56	6 39	1 26	24 1	0 27	14 54	1 22	0 27	2 15	13 51	0 26	8 47	1 48	25 29	11 37	13 37	14 2	11 2	15 44	1 37
M 3	7 13	19 33	1 24	12 49	1 7	6 12	1 27	24 3	0 29	14 55	1 21	0 30	2 15	13 51	0 26	8 47	1 48	25 29	11 38	13 37	14 0	10 59	15 45	1 37
T 4	7 35	23 29	2 28	13 40	1 17	5 45	1 29	24 5	0 31	14 55	1 21	0 33	2 15	13 50	0 26	8 48	1 48	25 29	11 38	13 37	13 59	10 56	15 46	1 37
W 5	7 57	26 20	3 27	14 29	1 27	5 17	1 30	24 7	0 33	14 56	1 21	0 36	2 15	13 49	0 26	8 49	1 48	25 29	11 38	13 38	13 58	10 53	15 47	1 37
T 6	8 19	27 50	4 16	15 15	1 37	4 49	1 31	24 9	0 36	14 56	1 21	0 39	2 15	13 48	0 26	8 50	1 48	25 29	11 38	13 38	13 57	10 50	15 49	1 37
F 7	8 41	27 43	4 52	16 0	1 46	4 22	1 32	24 11	0 38	14 56	1 21	0 42	2 15	13 48	0 26	8 51	1 48	25 29	11 39	13 38	13 56	10 47	15 50	1 37
S 8	9 3	25 56	5 13	16 42	1 55	3 54	1 33	24 13	0 40	14 57	1 21	0 45	2 15	13 47	0 26	8 51	1 48	25 29	11 39	13 38	13 55	10 44	15 51	1 37
S 9	9 25	22 32	5 15	17 22	2 3	3 26	1 34	24 14	0 42	14 57	1 20	0 48	2 15	13 46	0 26	8 52	1 48	25 29	11 39	13 38	13 54	10 41	15 52	1 37
M10	9 46	17 42	4 58	17 59	2 10	2 57	1 35	24 16	0 45	14 57	1 20	0 51	2 15	13 45	0 26	8 53	1 48	25 28	11 40	13 38	13 53	10 38	15 53	1 37
T 11	10 7	11 46	4 22	18 34	2 16	2 29	1 36	24 18	0 47	14 57	1 20	0 53	2 15	13 45	0 26	8 54	1 48	25 28	11 40	13 37	13 52	10 35	15 54	1 37
W12	10 28	5 6	3 28	19 6	2 22	2 1	1 36	24 20	0 49	14 57	1 20	0 56	2 15	13 44	0 26	8 55	1 48	25 28	11 40	13 37	13 51	10 31	15 55	1 37
T 13	10 49	1s52	2 19	19 36	2 27	1 32	1 37	24 21	0 52	14 57	1 20	0 59	2 15	13 43	0 26	8 56	1 48	25 28	11 41	13 37	13 50	10 28	15 56	1 37
F 14	11 10	8 43	1 2	20 3	2 31	1 4	1 38	24 23	0 54	14 57	1 20	1 2	2 15	13 42	0 26	8 56	1 48	25 29	11 41	13 37	13 49	10 25	15 57	1 38
S 15	11 31	15 1	0s19	20 28	2 35	0 35	1 38	24 25	0 57	14 57	1 19	1 5	2 16	13 41	0 26	8 57	1 48	25 29	11 41	13 37	13 48	10 22	15 58	1 38
S 16	11 51	20 22	1 37	20 50	2 37	0 7	1 38	24 26	1 0	14 57	1 19	1 7	2 16	13 40	0 26	8 58	1 48	25 29	11 41	13 37	13 47	10 19	16 0	1 38
M17	12 11	24 27	2 47	21 9	2 38	0n22	1 39	24 28	1 2	14 56	1 19	1 10	2 16	13 40	0 26	8 59	1 48	25 29	11 42	13 37	13 46	10 16	16 1	1 38
T 18	12 31	27 1	3 45	21 26	2 39	0 51	1 39	24 30	1 5	14 56	1 19	1 13	2 16	13 39	0 26	9 0	1 48	25 29	11 42	13 37	13 45	10 13	16 2	1 38
W19	12 51	27 59	4 30	21 41	2 39	1 20	1 39	24 31	1 8	14 56	1 19	1 16	2 16	13 38	0 26	9 0	1 48	25 29	11 42	13 37	13 44	10 10	16 3	1 38
T 20	13 11	27 26	5 0	21 53	2 37	1 48	1 39	24 33	1 10	14 55	1 19	1 18	2 16	13 37	0 26	9 1	1 48	25 29	11 43	13 37	13 43	10 7	16 4	1 38
F 21	13 30	25 30	5 15	22 3	2 35	2 17	1 39	24 35	1 13	14 55	1 18	1 21	2 16	13 36	0 26	9 2	1 48	25 29	11 43	13 37	13 42	10 4	16 5	1 38
S 22	13 50	22 26	5 16	22 10	2 31	2 46	1 39	24 36	1 16	14 54	1 18	1 24	2 16	13 36	0 26	9 3	1 48	25 29	11 43	13 37	13 41	10 1	16 6	1 38
S 23	14 9	18 28	5 3	22 16	2 27	3 14	1 39	24 38	1 19	14 53	1 18	1 27	2 16	13 35	0 26	9 4	1 48	25 29	11 44	13 37	13 40	9 57	16 7	1 38
M24	14 27	13 50	4 37	22 18	2 21	3 43	1 39	24 40	1 22	14 53	1 18	1 29	2 17	13 34	0 26	9 4	1 48	25 29	11 44	13 37	13 38	9 54	16 8	1 38
T 25	14 46	8 42	3 59	22 19	2 14	4 11	1 38	24 42	1 25	14 52	1 18	1 32	2 17	13 33	0 26	9 5	1 48	25 29	11 44	13 37	13 37	9 51	16 10	1 38
W26	15 4	3 14	3 11	22 18	2 7	4 40	1 38	24 43	1 28	14 51	1 17	1 34	2 17	13 32	0 26	9 6	1 48	25 29	11 45	13 37	13 36	9 48	16 11	1 38
T 27	15 22	2n23	2 14	22 14	1 58	5 8	1 38	24 45	1 31	14 50	1 17	1 37	2 17	13 32	0 26	9 7	1 48	25 30	11 45	13 37	13 35	9 45	16 12	1 38
F 28	15 40	8 0	1 11	22 8	1 48	5 37	1 37	24 47	1 35	14 49	1 17	1 40	2 17	13 31	0 26	9 7	1 48	25 30	11 45	13 38	13 34	9 42	16 13	1 38
S 29	15 58	13 24	0 3	22 0	1 37	6 5	1 37	24 49	1 38	14 48	1 17	1 42	2 17	13 30	0 26	9 8	1 48	25 30	11 46	13 38	13 33	9 39	16 14	1 38
S 30	16n15	18n21	1n 6	21n50	1n26	6n33	1s36	24s51	1s41	14n47	1n17	1n45	2s17	13s29	0n26	9n 9	1s48	25s30	11s46	13n38	13n32	9s36	16n15	1s39

Julian Day Number = 2106486.5, Delta T = 20m21s
Ecliptic obliquity = 23°33'50, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°34'16, Lahiri = 10°41'16 Julian Calendar 1 Apr. 1055 == Greg. Calendar 7 Apr. 1055

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1055
geocentric

MAY 1055 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 56 17	15♉22'45	0♊47	0°R56	21♈40	10♋28	24♌ 4	9♈46	6°R52	28♈ 3	21♒31	6°R 6	5♉47	15♓10	20♉ 4	M 1
T 2	15 0 13	16°20'25	13°44	0♊54	22°53	10°44	24° 7	9°53	6♏49	28° 6	21°31	6♉ 5	5°44	15°17	20° 9	T 2
W 3	15 4 10	17°18'03	26°56	0°47	24° 6	10°59	24°10	10° 0	6°47	28° 8	21°32	6° 4	5°41	15°23	20°13	W 3
T 4	15 8 6	18°15'40	10♋21	0°37	25°19	11°14	24°14	10° 6	6°44	28°10	21°32	6° 2	5°37	15°30	20°18	T 4
F 5	15 12 3	19°13'16	24° 0	0°22	26°31	11°29	24°17	10°13	6°42	28°12	21°32	6° 1	5°34	15°37	20°22	F 5
S 6	15 15 59	20°10'50	7♌52	0° 3	27°44	11°43	24°21	10°19	6°40	28°14	21°33	6° 0	5°31	15°43	20°27	S 6
S 7	15 19 56	21° 8'23	21°55	29♉40	28°57	11°56	24°25	10°26	6°37	28°16	21°33	6°D 0	5°28	15°50	20°31	S 7
M 8	15 23 52	22° 5'53	6♍ 8	29°15	0♉10	12° 9	24°29	10°32	6°35	28°18	21°33	6° 0	5°25	15°57	20°35	M 8
T 9	15 27 49	23° 3'23	20°28	28°47	1°23	12°21	24°33	10°38	6°32	28°21	21°33	6° 1	5°22	16° 3	20°40	T 9
W10	15 31 46	24° 0'51	4♎54	28°16	2°36	12°32	24°37	10°45	6°30	28°23	21°33	6° 2	5°18	16°10	20°44	W10
T 11	15 35 42	24°58'18	19°20	27°44	3°49	12°43	24°41	10°51	6°28	28°25	21°34	6° 3	5°15	16°17	20°49	T 11
F 12	15 39 39	25°55'43	3♏43	27°11	5° 1	12°54	24°46	10°57	6°25	28°27	21°34	6°R 4	5°12	16°24	20°53	F 12
S 13	15 43 35	26°53'08	17°58	26°37	6°14	13° 3	24°51	11° 3	6°23	28°29	21°34	6° 3	5° 9	16°30	20°58	S 13
S 14	15 47 32	27°50'31	2♐ 0	26° 4	7°27	13°12	24°56	11° 9	6°21	28°31	21°34	6° 2	5° 6	16°37	21° 2	S 14
M15	15 51 28	28°47'54	15°46	25°31	8°40	13°21	25° 1	11°15	6°19	28°33	21°34	5°59	5° 2	16°44	21° 6	M15
T 16	15 55 25	29°45'15	29°12	24°59	9°53	13°29	25° 6	11°21	6°16	28°35	21°34	5°56	4°59	16°50	21°11	T 16
W17	15 59 21	0♊42'36	12♑17	24°29	11° 6	13°36	25°12	11°27	6°14	28°37	21°R34	5°53	4°56	16°57	21°15	W17
T 18	16 3 18	1°39'57	25° 2	24° 1	12°19	13°42	25°17	11°33	6°12	28°39	21°34	5°49	4°53	17° 4	21°20	T 18
F 19	16 7 15	2°37'16	7♒28	23°36	13°32	13°48	25°23	11°39	6°10	28°41	21°34	5°46	4°50	17°10	21°24	F 19
S 20	16 11 11	3°34'35	19°39	23°14	14°45	13°53	25°29	11°44	6° 8	28°43	21°34	5°44	4°47	17°17	21°28	S 20
S 21	16 15 8	4°31'54	1♓39	22°56	15°58	13°57	25°35	11°50	6° 5	28°45	21°34	5°D43	4°43	17°24	21°33	S 21
M22	16 19 4	5°29'11	13°32	22°41	17°11	14° 1	25°41	11°56	6° 3	28°47	21°34	5°43	4°40	17°30	21°37	M22
T 23	16 23 1	6°26'29	25°23	22°30	18°24	14° 4	25°47	12° 1	6° 1	28°48	21°34	5°44	4°37	17°37	21°41	T 23
W24	16 26 57	7°23'46	7♈17	22°24	19°37	14° 6	25°53	12° 6	5°59	28°50	21°34	5°46	4°34	17°44	21°46	W24
T 25	16 30 54	8°21'02	19°18	22°D22	20°50	14° 7	26° 0	12°12	5°57	28°52	21°33	5°48	4°31	17°51	21°50	T 25
F 26	16 34 50	9°18'18	1♉31	22°24	22° 3	14°R 8	26° 7	12°17	5°55	28°54	21°33	5°R49	4°28	17°57	21°54	F 26
S 27	16 38 47	10°15'34	13°59	22°31	23°16	14° 8	26°13	12°22	5°53	28°56	21°33	5°48	4°24	18° 4	21°59	S 27
S 28	16 42 44	11°12'49	26°44	22°42	24°29	14° 7	26°20	12°28	5°51	28°58	21°33	5°47	4°21	18°11	22° 3	S 28
M29	16 46 40	12°10'04	9♊47	22°59	25°43	14° 5	26°27	12°33	5°50	28°59	21°32	5°43	4°18	18°17	22° 7	M29
T 30	16 50 37	13° 7'19	23° 8	23°19	26°56	14° 3	26°35	12°38	5°48	29° 1	21°32	5°38	4°15	18°24	22°11	T 30
W31	16 54 33	14♊ 4'33	6♋45	23♉45	28♉ 9	13♑59	26♌42	12♈43	5♏46	29♈ 3	21♒32	5♉32	4♉12	18♓31	22♉16	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n32	22n35	2n12	21n38	1n13	7n 1	1s35	24s53	1s44	14n46	1n17	1n47	2s17	13s28	0n26	9n10	1s48	25s30	11s46	13n37	13n31	9s32	16n16	1s39
T 2	16 49	25 46	3 14	21 25	0 59	7 29	1 34	24 55	1 48	14 45	1 16	1 50	2 18	13 27	0 26	9 11	1 48	25 30	11 47	13 37	13 30	9 29	16 17	1 39
W 3	17 5	27 37	4 6	21 9	0 45	7 57	1 34	24 57	1 51	14 44	1 16	1 52	2 18	13 27	0 26	9 11	1 48	25 31	11 47	13 37	13 29	9 26	16 18	1 39
T 4	17 21	27 54	4 45	20 52	0 29	8 24	1 33	24 59	1 55	14 43	1 16	1 55	2 18	13 26	0 26	9 12	1 48	25 31	11 47	13 36	13 28	9 23	16 19	1 39
F 5	17 37	26 29	5 9	20 33	0 14	8 51	1 32	25 2	1 58	14 41	1 16	1 57	2 18	13 25	0 26	9 13	1 48	25 31	11 48	13 36	13 27	9 20	16 21	1 39
S 6	17 53	23 29	5 16	20 13	0s 3	9 19	1 31	25 4	2 2	14 40	1 16	1 59	2 18	13 24	0 26	9 14	1 48	25 31	11 48	13 35	13 26	9 17	16 22	1 39
S 7	18 8	19 4	5 4	19 52	0 20	9 46	1 30	25 7	2 6	14 38	1 16	2 2	2 18	13 24	0 26	9 14	1 48	25 32	11 48	13 35	13 25	9 14	16 23	1 39
M 8	18 23	13 32	4 33	19 29	0 37	10 12	1 29	25 9	2 9	14 37	1 15	2 4	2 18	13 23	0 26	9 15	1 48	25 32	11 49	13 35	13 24	9 10	16 24	1 39
T 9	18 38	7 15	3 46	19 6	0 54	10 39	1 27	25 12	2 13	14 35	1 15	2 7	2 19	13 22	0 26	9 16	1 48	25 32	11 49	13 36	13 23	9 7	16 25	1 39
W10	18 52	0 33	2 44	18 43	1 12	11 5	1 26	25 14	2 17	14 34	1 15	2 9	2 19	13 21	0 26	9 16	1 48	25 32	11 49	13 36	13 22	9 4	16 26	1 39
T 11	19 7	6s12	1 31	18 19	1 29	11 31	1 25	25 17	2 21	14 32	1 15	2 11	2 19	13 20	0 26	9 17	1 48	25 33	11 50	13 36	13 20	9 1	16 27	1 39
F 12	19 20	12 37	0 13	17 55	1 46	11 57	1 23	25 20	2 25	14 30	1 15	2 13	2 19	13 20	0 26	9 18	1 48	25 33	11 50	13 37	13 19	8 58	16 28	1 40
S 13	19 34	18 19	1s 5	17 31	2 3	12 23	1 22	25 23	2 29	14 29	1 14	2 16	2 19	13 19	0 26	9 19	1 48	25 33	11 51	13 37	13 18	8 55	16 29	1 40
S 14	19 47	22 55	2 18	17 8	2 18	12 48	1 21	25 26	2 33	14 27	1 14	2 18	2 20	13 18	0 26	9 19	1 48	25 33	11 51	13 36	13 17	8 51	16 30	1 40
M15	20 0	26 8	3 21	16 45	2 34	13 13	1 19	25 29	2 37	14 25	1 14	2 20	2 20	13 17	0 26	9 20	1 48	25 34	11 51	13 35	13 16	8 48	16 31	1 40
T 16	20 12	27 45	4 12	16 24	2 48	13 38	1 17	25 33	2 41	14 23	1 14	2 22	2 20	13 17	0 26	9 21	1 48	25 34	11 52	13 34	13 15	8 45	16 32	1 40
W17	20 24	27 46	4 48	16 4	3 1	14 2	1 16	25 36	2 45	14 21	1 14	2 24	2 20	13 16	0 25	9 21	1 48	25 34	11 52	13 33	13 14	8 42	16 33	1 40
T 18	20 36	26 17	5 8	15 45	3 13	14 26	1 14	25 40	2 49	14 19	1 14	2 26	2 20	13 15	0 25	9 22	1 48	25 35	11 52	13 32	13 13	8 39	16 35	1 40
F 19	20 48	23 33	5 13	15 28	3 24	14 50	1 12	25 43	2 54	14 17	1 13	2 29	2 20	13 15	0 25	9 23	1 48	25 35	11 53	13 31	13 12	8 36	16 36	1 40
S 20	20 59	19 48	5 4	15 13	3 34	15 13	1 11	25 47	2 58	14 15	1 13	2 31	2 21	13 14	0 25	9 23	1 48	25 35	11 53	13 30	13 11	8 32	16 37	1 40
S 21	21 9	15 20	4 42	15 0	3 43	15 36	1 9	25 51	3 2	14 12	1 13	2 33	2 21	13 13	0 25	9 24	1 48	25 36	11 53	13 30	13 10	8 29	16 38	1 40
M22	21 20	10 19	4 8	14 50	3 50	15 59	1 7	25 55	3 7	14 10	1 13	2 35	2 21	13 13	0 25	9 25	1 48	25 36	11 54	13 30	13 9	8 26	16 39	1 41
T 23	21 30	4 57	3 23	14 41	3 56	16 21	1 5	25 59	3 11	14 8	1 13	2 37	2 21	13 12	0 25	9 25	1 48	25 36	11 54	13 30	13 8	8 23	16 40	1 41
W24	21 39	0n37	2 30	14 35	4 1	16 43	1 3	26 3	3 15	14 6	1 13	2 38	2 21	13 11	0 25	9 26	1 48	25 37	11 54	13 31	13 7	8 20	16 41	1 41
T 25	21 49	6 13	1 29	14 31	4 5	17 5	1 1	26 7	3 20	14 3	1 13	2 40	2 22	13 11	0 25	9 26	1 48	25 37	11 55	13 31	13 5	8 17	16 42	1 41
F 26	21 58	11 42	0 23	14 29	4 7	17 26	0 59	26 12	3 24	14 1	1 12	2 42	2 22	13 10	0 25	9 27	1 48	25 37	11 55	13 32	13 4	8 13	16 43	1 41
S 27	22 6	16 49	0n44	14 30	4 8	17 46	0 57	26 16	3 29	13 58	1 12	2 44	2 22	13 9	0 25	9 28	1 48	25 38	11 55	13 32	13 3	8 10	16 44	1 41
S 28	22 14	21 20	1 52	14 33	4 8	18 6	0 55	26 21	3 34	13 56	1 12	2 46	2 22	13 9	0 25	9 28	1 48	25 38	11 56	13 31	13 2	8 7	16 45	1 41
M29	22 22	24 54	2 54	14 38	4 7	18 26	0 53	26 26	3 38	13 53	1 12	2 48	2 22	13 8	0 25	9 29	1 49	25 39	11 56	13 30	13 1	8 4	16 46	1 41
T 30	22 29	27 12	3 49	14 45	4 5	18 45	0 51	26 31	3 43	13 51	1 12	2 49	2 23	13 8	0 25	9 29	1 49	25 39	11 56	13 28	13 0	8 1	16 47	1 42
W31	22n36	27n55	4n32	14n54	4s 2	19n 4	0s48	26s36	3s47	13n48	1n12	2n51	2s23	13s 7	0n25	9n30	1s49	25s39	11s57	13n26	12n59	7s57	16n48	1s42

Julian Day Number = 2106516.5, Delta T = 20m21s
Ecliptic obliquity = 23°33'50, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°34'20, Lahiri = 10°41'20 Julian Calendar 1 May 1055 == Greg. Calendar 7 May 1055

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1055
geocentric

JUNE 1055 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 58 30	15♊ 1'46	20♋36	24♉14	29♉22	13°R55	26♌49	12♈47	5°R44	29♈ 5	21°R31	5°R26	4♉ 8	18♓37	22♉20	T 1
F 2	17 2 26	15°58'59	4♌37	24°49	0♊35	13♑51	26°57	12°52	5♏42	29° 6	21♒31	5♉21	4° 5	18°44	22°24	F 2
S 3	17 6 23	16°56'11	18°44	25°27	1°48	13°45	27° 5	12°57	5°41	29° 8	21°31	5°16	4° 2	18°51	22°28	S 3
S 4	17 10 20	17°53'23	2♍55	26°10	3° 2	13°39	27°12	13° 2	5°39	29°10	21°30	5°14	3°59	18°57	22°32	S 4
M 5	17 14 16	18°50'34	17° 7	26°57	4°15	13°32	27°20	13° 6	5°37	29°11	21°30	5°D13	3°56	19° 4	22°36	M 5
T 6	17 18 13	19°47'44	1♎18	27°49	5°28	13°24	27°28	13°11	5°36	29°13	21°29	5°13	3°53	19°11	22°40	T 6
W 7	17 22 9	20°44'54	15°25	28°44	6°41	13°16	27°37	13°15	5°34	29°14	21°29	5°14	3°49	19°17	22°45	W 7
T 8	17 26 6	21°42'03	29°28	29°44	7°55	13° 7	27°45	13°19	5°33	29°16	21°28	5°R15	3°46	19°24	22°49	T 8
F 9	17 30 2	22°39'12	13♏25	0♊48	9° 8	12°58	27°53	13°24	5°31	29°17	21°28	5°15	3°43	19°31	22°53	F 9
S 10	17 33 59	23°36'20	27°14	1°55	10°21	12°47	28° 2	13°28	5°30	29°19	21°27	5°13	3°40	19°37	22°57	S 10
S 11	17 37 55	24°33'29	10♐53	3° 7	11°35	12°36	28°10	13°32	5°29	29°20	21°27	5° 9	3°37	19°44	23° 1	S 11
M12	17 41 52	25°30'37	24°19	4°23	12°48	12°25	28°19	13°36	5°27	29°22	21°26	5° 3	3°34	19°51	23° 5	M12
T 13	17 45 49	26°27'45	7♑30	5°42	14° 1	12°13	28°28	13°40	5°26	29°23	21°25	4°55	3°30	19°58	23° 8	T 13
W14	17 49 45	27°24'54	20°25	7° 5	15°15	12° 0	28°37	13°44	5°25	29°25	21°25	4°46	3°27	20° 4	23°12	W14
T 15	17 53 42	28°22'02	3♒ 4	8°32	16°28	11°47	28°46	13°47	5°24	29°26	21°24	4°37	3°24	20°11	23°16	T 15
F 16	17 57 38	29°19'11	15°27	10° 2	17°41	11°33	28°55	13°51	5°23	29°27	21°24	4°28	3°21	20°18	23°20	F 16
S 17	18 1 35	0♋16'19	27°36	11°36	18°55	11°19	29° 4	13°55	5°21	29°29	21°23	4°22	3°18	20°24	23°24	S 17
S 18	18 5 31	1°13'28	9♓35	13°14	20° 8	11° 4	29°14	13°58	5°20	29°30	21°22	4°17	3°14	20°31	23°28	S 18
M19	18 9 28	2°10'38	21°27	14°55	21°22	10°49	29°23	14° 1	5°19	29°31	21°21	4°15	3°11	20°38	23°31	M19
T 20	18 13 24	3° 7'48	3♈17	16°39	22°35	10°34	29°33	14° 5	5°18	29°32	21°21	4°D14	3° 8	20°44	23°35	T 20
W21	18 17 21	4° 4'58	15°11	18°27	23°49	10°18	29°42	14° 8	5°17	29°34	21°20	4°14	3° 5	20°51	23°39	W21
T 22	18 21 18	5° 2'09	27°13	20°18	25° 2	10° 2	29°52	14°11	5°17	29°35	21°19	4°15	3° 2	20°58	23°42	T 22
F 23	18 25 14	5°59'20	9♉29	22°11	26°16	9°46	0♍ 2	14°14	5°16	29°36	21°18	4°R15	2°59	21° 4	23°46	F 23
S 24	18 29 11	6°56'33	22° 3	24° 7	27°29	9°29	0°12	14°17	5°15	29°37	21°17	4°14	2°55	21°11	23°49	S 24
S 25	18 33 7	7°53'45	4♊58	26° 6	28°43	9°12	0°22	14°20	5°14	29°38	21°17	4°10	2°52	21°18	23°53	S 25
M26	18 37 4	8°50'59	18°17	28° 7	29°57	8°55	0°32	14°23	5°14	29°39	21°16	4° 4	2°49	21°24	23°56	M26
T 27	18 41 0	9°48'12	1♋58	0♋10	1♋10	8°38	0°42	14°25	5°13	29°40	21°15	3°56	2°46	21°31	24° 0	T 27
W28	18 44 57	10°45'27	16° 0	2°14	2°24	8°21	0°52	14°28	5°12	29°41	21°14	3°46	2°43	21°38	24° 3	W28
T 29	18 48 53	11°42'41	0♌17	4°20	3°37	8° 4	1° 3	14°30	5°12	29°42	21°13	3°35	2°40	21°44	24° 7	T 29
F 30	18 52 50	12♋39'57	14♌44	6♋26	4♋51	7♑48	1♍13	14♈33	5♏11	29♈43	21♒12	3♉26	2♉36	21♓51	24♉10	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n43	26n54	4n59	15n 5	3s57	19n22	0s46	26s41	3s52	13n45	1n11	2n53	2s23	13s 6	0n25	9n31	1s49	25s40	11s57	13n24	12n58	7s54	16n48	1s42
F 2	22 49	24 13	5 9	15 18	3 53	19 40	0 44	26 46	3 57	13 43	1 11	2 55	2 23	13 6	0 25	9 31	1 49	25 40	11 57	13 22	12 57	7 51	16 49	1 42
S 3	22 55	20 3	5 1	15 33	3 47	19 57	0 42	26 51	4 1	13 40	1 11	2 56	2 24	13 5	0 25	9 32	1 49	25 41	11 58	13 21	12 56	7 48	16 50	1 42
S 4	23 1	14 44	4 34	15 50	3 40	20 14	0 39	26 56	4 6	13 37	1 11	2 58	2 24	13 5	0 25	9 32	1 49	25 41	11 58	13 20	12 55	7 44	16 51	1 42
M 5	23 6	8 39	3 51	16 8	3 33	20 30	0 37	27 1	4 10	13 34	1 11	2 59	2 24	13 4	0 25	9 33	1 49	25 42	11 58	13 20	12 54	7 41	16 52	1 42
T 6	23 10	2 8	2 53	16 27	3 25	20 45	0 35	27 7	4 15	13 31	1 11	3 1	2 24	13 4	0 25	9 33	1 49	25 42	11 58	13 20	12 53	7 38	16 53	1 42
W 7	23 14	4s29	1 45	16 48	3 16	21 0	0 32	27 12	4 20	13 28	1 11	3 2	2 25	13 3	0 25	9 34	1 49	25 43	11 59	13 20	12 51	7 35	16 54	1 43
T 8	23 18	10 51	0 31	17 9	3 7	21 15	0 30	27 18	4 24	13 25	1 10	3 4	2 25	13 3	0 25	9 34	1 49	25 43	11 59	13 20	12 50	7 32	16 55	1 43
F 9	23 22	16 39	0s44	17 32	2 57	21 29	0 28	27 23	4 29	13 22	1 10	3 5	2 25	13 2	0 25	9 35	1 49	25 43	11 59	13 20	12 49	7 28	16 56	1 43
S 10	23 24	21 31	1 56	17 56	2 47	21 42	0 25	27 28	4 33	13 19	1 10	3 7	2 25	13 2	0 25	9 35	1 49	25 44	12 0	13 20	12 48	7 25	16 57	1 43
S 11	23 27	25 9	3 0	18 20	2 36	21 55	0 23	27 34	4 37	13 16	1 10	3 8	2 25	13 1	0 25	9 36	1 49	25 44	12 0	13 18	12 47	7 22	16 57	1 43
M12	23 29	27 19	3 53	18 45	2 25	22 7	0 20	27 39	4 42	13 13	1 10	3 9	2 26	13 1	0 25	9 36	1 49	25 45	12 0	13 16	12 46	7 19	16 58	1 43
T 13	23 31	27 52	4 32	19 11	2 13	22 18	0 18	27 45	4 46	13 10	1 10	3 11	2 26	13 1	0 25	9 37	1 49	25 45	12 1	13 14	12 45	7 15	16 59	1 43
W14	23 32	26 53	4 56	19 37	2 1	22 29	0 16	27 50	4 50	13 6	1 10	3 12	2 26	13 0	0 25	9 37	1 49	25 46	12 1	13 10	12 44	7 12	17 0	1 44
T 15	23 33	24 31	5 6	20 2	1 49	22 39	0 13	27 55	4 54	13 3	1 10	3 13	2 26	13 0	0 25	9 38	1 49	25 46	12 1	13 7	12 43	7 9	17 1	1 44
F 16	23 34	21 4	5 0	20 28	1 37	22 49	0 11	28 1	4 58	13 0	1 9	3 14	2 27	13 0	0 25	9 38	1 49	25 47	12 1	13 5	12 42	7 6	17 2	1 44
S 17	23 34	16 46	4 41	20 54	1 25	22 58	0 8	28 6	5 2	12 56	1 9	3 15	2 27	12 59	0 25	9 38	1 49	25 47	12 2	13 2	12 41	7 2	17 2	1 44
S 18	23 33	11 52	4 10	21 19	1 12	23 6	0 6	28 11	5 6	12 53	1 9	3 17	2 27	12 59	0 25	9 39	1 49	25 48	12 2	13 1	12 40	6 59	17 3	1 44
M19	23 33	6 36	3 28	21 43	1 0	23 14	0 3	28 16	5 10	12 49	1 9	3 18	2 28	12 59	0 25	9 39	1 50	25 48	12 2	13 0	12 38	6 56	17 4	1 44
T 20	23 32	1 6	2 38	22 7	0 47	23 20	0 1	28 21	5 14	12 46	1 9	3 19	2 28	12 58	0 25	9 40	1 50	25 49	12 3	13 0	12 37	6 53	17 5	1 44
W21	23 30	4n28	1 40	22 29	0 35	23 27	0n 2	28 26	5 17	12 42	1 9	3 20	2 28	12 58	0 25	9 40	1 50	25 49	12 3	13 0	12 36	6 49	17 6	1 45
T 22	23 28	9 57	0 38	22 50	0 22	23 32	0 4	28 30	5 20	12 39	1 9	3 21	2 28	12 58	0 25	9 40	1 50	25 50	12 3	13 0	12 35	6 46	17 6	1 45
F 23	23 26	15 10	0n28	23 10	0 10	23 37	0 6	28 35	5 24	12 35	1 9	3 22	2 29	12 57	0 25	9 41	1 50	25 50	12 3	13 0	12 34	6 43	17 7	1 45
S 24	23 23	19 53	1 34	23 27	0n 1	23 41	0 9	28 39	5 27	12 32	1 9	3 22	2 29	12 57	0 25	9 41	1 50	25 51	12 4	13 0	12 33	6 40	17 8	1 45
S 25	23 20	23 48	2 36	23 43	0 13	23 45	0 11	28 44	5 30	12 28	1 8	3 23	2 29	12 57	0 25	9 41	1 50	25 52	12 4	12 58	12 32	6 36	17 8	1 45
M26	23 16	26 34	3 32	23 57	0 24	23 47	0 14	28 48	5 33	12 24	1 8	3 24	2 29	12 57	0 25	9 42	1 50	25 52	12 4	12 56	12 31	6 33	17 9	1 45
T 27	23 12	27 50	4 17	24 8	0 34	23 49	0 16	28 51	5 35	12 21	1 8	3 25	2 30	12 57	0 24	9 42	1 50	25 53	12 4	12 54	12 30	6 30	17 10	1 46
W28	23 8	27 22	4 48	24 17	0 44	23 51	0 18	28 55	5 38	12 17	1 8	3 26	2 30	12 56	0 24	9 42	1 50	25 53	12 5	12 50	12 29	6 27	17 11	1 46
T 29	23 3	25 6	5 2	24 23	0 53	23 51	0 21	28 59	5 40	12 13	1 8	3 26	2 30	12 56	0 24	9 43	1 50	25 54	12 5	12 47	12 27	6 23	17 11	1 46
F 30	22n57	21n13	4n57	24n26	1n 2	23n51	0n23	29s 2	5s43	12n 9	1n 8	3n27	2s30	12s56	0n24	9n43	1s50	25s54	12s 5	12n43	12n26	6s20	17n12	1s46

Julian Day Number = 2106547.5, Delta T = 20m20s
Ecliptic obliquity = 23°33'49, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°34'24, Lahiri = 10°41'24 Julian Calendar 1 June 1055 == Greg. Calendar 7 June 1055

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1055
geocentric

JULY 1055 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 56 47	13♋37'12	29♌15	8♋34	6♋ 5	7°R31	1♍24	14♈35	5°R11	29♈44	21°R11	3°R18	2♉33	21♓58	24♉13	S 1
S 2	19 0 43	14°34'28	13♍44	10°41	7°19	7♏14	1°34	14°37	5♏11	29°45	21♒10	3♉12	2°30	22° 4	24°17	S 2
M 3	19 4 40	15°31'44	28° 5	12°49	8°32	6°58	1°45	14°39	5°10	29°46	21° 9	3° 9	2°27	22°11	24°20	M 3
T 4	19 8 36	16°29'00	12♎16	14°57	9°46	6°42	1°56	14°41	5°10	29°47	21° 8	3°D 8	2°24	22°18	24°23	T 4
W 5	19 12 33	17°26'17	26°16	17° 4	11° 0	6°26	2° 7	14°43	5°10	29°47	21° 7	3°R 8	2°20	22°25	24°26	W 5
T 6	19 16 29	18°23'34	10♏ 4	19°10	12°14	6°11	2°17	14°45	5°10	29°48	21° 6	3° 8	2°17	22°31	24°29	T 6
F 7	19 20 26	19°20'52	23°42	21°16	13°28	5°56	2°28	14°46	5°10	29°49	21° 5	3° 7	2°14	22°38	24°32	F 7
S 8	19 24 22	20°18'10	7♐ 8	23°20	14°41	5°41	2°39	14°48	5° 9	29°50	21° 4	3° 3	2°11	22°45	24°35	S 8
S 9	19 28 19	21°15'29	20°23	25°24	15°55	5°27	2°51	14°49	5°D 9	29°50	21° 3	2°57	2° 8	22°51	24°38	S 9
M10	19 32 16	22°12'49	3♑27	27°26	17° 9	5°13	3° 2	14°51	5° 9	29°51	21° 2	2°48	2° 5	22°58	24°41	M10
T 11	19 36 12	23°10'09	16°19	29°27	18°23	5° 0	3°13	14°52	5°10	29°51	21° 1	2°36	2° 1	23° 5	24°44	T 11
W12	19 40 9	24° 7'30	28°59	1♌26	19°37	4°48	3°24	14°53	5°10	29°52	21° 0	2°23	1°58	23°11	24°47	W12
T 13	19 44 5	25° 4'52	11♒26	3°24	20°51	4°36	3°36	14°54	5°10	29°53	20°58	2°10	1°55	23°18	24°49	T 13
F 14	19 48 2	26° 2'15	23°41	5°20	22° 5	4°25	3°47	14°55	5°10	29°53	20°57	1°58	1°52	23°25	24°52	F 14
S 15	19 51 58	26°59'40	5♓45	7°15	23°19	4°14	3°59	14°56	5°10	29°54	20°56	1°48	1°49	23°31	24°55	S 15
S 16	19 55 55	27°57'05	17°41	9° 8	24°33	4° 4	4°10	14°57	5°11	29°54	20°55	1°41	1°46	23°38	24°57	S 16
M17	19 59 52	28°54'31	29°31	11° 0	25°47	3°55	4°22	14°57	5°11	29°54	20°54	1°36	1°42	23°45	25° 0	M17
T 18	20 3 48	29°51'59	11♈19	12°50	27° 1	3°46	4°33	14°58	5°12	29°55	20°53	1°33	1°39	23°51	25° 2	T 18
W19	20 7 45	0♌49'28	23°11	14°39	28°15	3°38	4°45	14°58	5°12	29°55	20°51	1°32	1°36	23°58	25° 5	W19
T 20	20 11 41	1°46'59	5♉12	16°26	29°29	3°31	4°57	14°58	5°13	29°55	20°50	1°32	1°33	24° 5	25° 7	T 20
F 21	20 15 38	2°44'31	17°27	18°11	0♌43	3°25	5° 9	14°59	5°13	29°56	20°49	1°32	1°30	24°11	25°10	F 21
S 22	20 19 34	3°42'04	0♊ 2	19°55	1°57	3°19	5°21	14°R59	5°14	29°56	20°48	1°30	1°26	24°18	25°12	S 22
S 23	20 23 31	4°39'39	13° 0	21°38	3°11	3°14	5°33	14°59	5°15	29°56	20°47	1°26	1°23	24°25	25°14	S 23
M24	20 27 27	5°37'16	26°25	23°19	4°25	3°10	5°45	14°59	5°15	29°56	20°45	1°19	1°20	24°31	25°16	M24
T 25	20 31 24	6°34'54	10♋18	24°58	5°40	3° 7	5°57	14°58	5°16	29°56	20°44	1°11	1°17	24°38	25°18	T 25
W26	20 35 21	7°32'33	24°35	26°36	6°54	3° 5	6° 9	14°58	5°17	29°57	20°43	1° 0	1°14	24°45	25°20	W26
T 27	20 39 17	8°30'14	9♌13	28°13	8° 8	3° 3	6°21	14°58	5°18	29°57	20°42	0°48	1°11	24°51	25°22	T 27
F 28	20 43 14	9°27'56	24° 4	29°48	9°22	3°D 2	6°33	14°57	5°19	29°57	20°40	0°38	1° 7	24°58	25°24	F 28
S 29	20 47 10	10°25'39	8♍59	1♍21	10°37	3° 3	6°45	14°56	5°20	29°R57	20°39	0°29	1° 4	25° 5	25°26	S 29
S 30	20 51 7	11°23'24	23°49	2°53	11°51	3° 4	6°58	14°56	5°21	29°57	20°38	0°23	1° 1	25°11	25°28	S 30
M31	20 55 3	12♌21'09	8♎28	4♍23	13♌ 5	3♏ 5	7♍10	14♈55	5♏22	29♈57	20♒37	0♉19	0♉58	25♓18	25♉30	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n52	16n 2	4n32	24n27	1n10	23n51	0n25	29s 5	5s45	12n 5	1n 8	3n28	2s31	12s56	0n24	9n43	1s50	25s55	12s 5	12n41	12n25	6s17	17n12	1s46
S 2	22 46	9 58	3 51	24 25	1 17	23 49	0 27	29 8	5 47	12 2	1 8	3 28	2 31	12 56	0 24	9 43	1 50	25 55	12 6	12 39	12 24	6 14	17 13	1 46
M 3	22 39	3 26	2 55	24 20	1 24	23 47	0 30	29 11	5 48	11 58	1 8	3 29	2 31	12 56	0 24	9 44	1 50	25 56	12 6	12 38	12 23	6 10	17 14	1 47
T 4	22 32	3s13	1 48	24 12	1 29	23 44	0 32	29 13	5 50	11 54	1 8	3 29	2 32	12 56	0 24	9 44	1 50	25 56	12 6	12 37	12 22	6 7	17 14	1 47
W 5	22 25	9 38	0 36	24 1	1 34	23 40	0 34	29 15	5 51	11 50	1 8	3 30	2 32	12 56	0 24	9 44	1 50	25 57	12 6	12 37	12 21	6 4	17 15	1 47
T 6	22 18	15 30	0s37	23 48	1 38	23 36	0 36	29 17	5 53	11 46	1 7	3 30	2 32	12 56	0 24	9 44	1 51	25 58	12 7	12 37	12 20	6 0	17 15	1 47
F 7	22 10	20 31	1 47	23 33	1 42	23 31	0 38	29 19	5 54	11 42	1 7	3 31	2 32	12 56	0 24	9 44	1 51	25 58	12 7	12 37	12 19	5 57	17 16	1 47
S 8	22 1	24 24	2 50	23 15	1 44	23 25	0 41	29 21	5 55	11 38	1 7	3 31	2 33	12 56	0 24	9 45	1 51	25 59	12 7	12 36	12 18	5 54	17 17	1 48
S 9	21 52	26 54	3 42	22 55	1 46	23 19	0 43	29 22	5 55	11 33	1 7	3 31	2 33	12 56	0 24	9 45	1 51	25 59	12 7	12 33	12 17	5 51	17 17	1 48
M10	21 43	27 53	4 22	22 32	1 47	23 12	0 45	29 23	5 56	11 29	1 7	3 31	2 33	12 56	0 24	9 45	1 51	26 0	12 7	12 30	12 15	5 47	17 18	1 48
T 11	21 34	27 20	4 48	22 8	1 48	23 4	0 47	29 24	5 56	11 25	1 7	3 32	2 34	12 56	0 24	9 45	1 51	26 0	12 8	12 26	12 14	5 44	17 18	1 48
W12	21 24	25 21	5 0	21 42	1 48	22 55	0 49	29 25	5 57	11 21	1 7	3 32	2 34	12 56	0 24	9 45	1 51	26 1	12 8	12 22	12 13	5 41	17 19	1 48
T 13	21 14	22 11	4 56	21 14	1 47	22 46	0 50	29 26	5 57	11 17	1 7	3 32	2 34	12 56	0 24	9 45	1 51	26 1	12 8	12 17	12 12	5 37	17 19	1 49
F 14	21 3	18 5	4 39	20 44	1 46	22 36	0 52	29 26	5 57	11 12	1 7	3 32	2 34	12 56	0 24	9 45	1 51	26 2	12 8	12 13	12 11	5 34	17 20	1 49
S 15	20 52	13 19	4 10	20 13	1 44	22 26	0 54	29 26	5 57	11 8	1 7	3 32	2 35	12 56	0 24	9 46	1 51	26 2	12 8	12 10	12 10	5 31	17 20	1 49
S 16	20 41	8 6	3 30	19 41	1 41	22 15	0 56	29 26	5 56	11 4	1 7	3 32	2 35	12 56	0 24	9 46	1 51	26 3	12 8	12 7	12 9	5 28	17 20	1 49
M17	20 29	2 39	2 41	19 8	1 38	22 3	0 58	29 26	5 56	11 0	1 7	3 32	2 35	12 57	0 24	9 46	1 51	26 4	12 9	12 5	12 8	5 24	17 21	1 49
T 18	20 17	2n54	1 45	18 33	1 35	21 50	0 59	29 26	5 55	10 55	1 7	3 32	2 36	12 57	0 24	9 46	1 51	26 4	12 9	12 4	12 7	5 21	17 21	1 49
W19	20 5	8 22	0 44	17 58	1 31	21 37	1 1	29 25	5 54	10 51	1 7	3 32	2 36	12 57	0 24	9 46	1 51	26 5	12 9	12 4	12 5	5 18	17 22	1 50
T 20	19 52	13 38	0n19	17 22	1 26	21 23	1 3	29 24	5 54	10 47	1 6	3 32	2 36	12 57	0 24	9 46	1 51	26 5	12 9	12 4	12 4	5 14	17 22	1 50
F 21	19 39	18 28	1 23	16 45	1 21	21 9	1 4	29 24	5 53	10 42	1 6	3 32	2 36	12 57	0 24	9 46	1 51	26 6	12 9	12 4	12 3	5 11	17 22	1 50
S 22	19 26	22 37	2 25	16 7	1 16	20 54	1 6	29 23	5 52	10 38	1 6	3 31	2 37	12 58	0 24	9 46	1 52	26 6	12 9	12 3	12 2	5 8	17 23	1 50
S 23	19 12	25 47	3 21	15 29	1 10	20 38	1 7	29 22	5 50	10 33	1 6	3 31	2 37	12 58	0 24	9 46	1 52	26 7	12 9	12 2	12 1	5 4	17 23	1 50
M24	18 58	27 38	4 7	14 50	1 5	20 22	1 9	29 20	5 49	10 29	1 6	3 31	2 37	12 58	0 24	9 46	1 52	26 7	12 10	12 0	12 0	5 1	17 23	1 51
T 25	18 43	27 50	4 41	14 11	0 58	20 5	1 10	29 19	5 48	10 24	1 6	3 30	2 38	12 59	0 24	9 46	1 52	26 8	12 10	11 57	11 59	4 58	17 24	1 51
W26	18 29	26 13	4 59	13 31	0 52	19 48	1 11	29 18	5 46	10 20	1 6	3 30	2 38	12 59	0 24	9 46	1 52	26 8	12 10	11 53	11 58	4 55	17 24	1 51
T 27	18 14	22 49	4 57	12 51	0 45	19 30	1 13	29 16	5 44	10 15	1 6	3 30	2 38	12 59	0 24	9 46	1 52	26 9	12 10	11 49	11 57	4 51	17 24	1 51
F 28	17 59	17 54	4 36	12 11	0 38	19 11	1 14	29 14	5 43	10 10	1 6	3 29	2 38	13 0	0 24	9 46	1 52	26 9	12 10	11 45	11 56	4 48	17 25	1 52
S 29	17 43	11 53	3 56	11 31	0 30	18 52	1 15	29 13	5 41	10 6	1 6	3 29	2 39	13 0	0 24	9 46	1 52	26 10	12 10	11 42	11 54	4 45	17 25	1 52
S 30	17 27	5 13	3 0	10 51	0 23	18 32	1 16	29 11	5 39	10 1	1 6	3 28	2 39	13 0	0 23	9 46	1 52	26 11	12 10	11 40	11 53	4 41	17 25	1 52
M31	17n11	1s39	1n53	10n11	0n15	18n12	1n17	29s 9	5s37	9n57	1n 6	3n28	2s39	13s 1	0n23	9n46	1s52	26s11	12s10	11n38	11n52	4s38	17n25	1s52

Julian Day Number = 2106577.5, Delta T = 20m20s
Ecliptic obliquity = 23°33'49, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°34'28, Lahiri = 10°41'29 Julian Calendar 1 July 1055 == Greg. Calendar 7 July 1055

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1055
geocentric

AUGUST 1055 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 59 0	13♌18'56	22♎50	5♍52	14♌19	3♑ 8	7♍22	14°R54	5♏23	29°R57	20°R35	0°R18	0♉55	25♓25	25♉31	T 1
W 2	21 2 56	14°16'44	6♏54	7°20	15°34	3°12	7°35	14♈53	5°25	29♈56	20♒34	0♉18	0°52	25°31	25°33	W 2
T 3	21 6 53	15°14'33	20°39	8°46	16°48	3°16	7°47	14°52	5°26	29°56	20°33	0°17	0°48	25°38	25°35	T 3
F 4	21 10 50	16°12'24	4♐ 6	10°10	18° 2	3°21	8° 0	14°50	5°27	29°56	20°32	0°16	0°45	25°45	25°36	F 4
S 5	21 14 46	17°10'16	17°18	11°33	19°17	3°27	8°12	14°49	5°29	29°56	20°30	0°13	0°42	25°51	25°38	S 5
S 6	21 18 43	18° 8'09	0♑16	12°54	20°31	3°34	8°25	14°48	5°30	29°56	20°29	0° 7	0°39	25°58	25°39	S 6
M 7	21 22 39	19° 6'03	13° 1	14°14	21°45	3°41	8°37	14°46	5°31	29°55	20°28	29♈59	0°36	26° 5	25°40	M 7
T 8	21 26 36	20° 3'59	25°35	15°32	23° 0	3°50	8°50	14°44	5°33	29°55	20°26	29°48	0°32	26°11	25°42	T 8
W 9	21 30 32	21° 1'57	7♒59	16°48	24°14	3°59	9° 2	14°43	5°35	29°55	20°25	29°36	0°29	26°18	25°43	W 9
T 10	21 34 29	21°59'56	20°13	18° 2	25°29	4° 9	9°15	14°41	5°36	29°54	20°24	29°24	0°26	26°25	25°44	T 10
F 11	21 38 25	22°57'56	2♓18	19°15	26°43	4°19	9°28	14°39	5°38	29°54	20°23	29°12	0°23	26°31	25°45	F 11
S 12	21 42 22	23°55'58	14°15	20°25	27°58	4°31	9°40	14°37	5°40	29°53	20°21	29° 3	0°20	26°38	25°46	S 12
S 13	21 46 19	24°54'02	26° 6	21°34	29°12	4°43	9°53	14°35	5°41	29°53	20°20	28°55	0°17	26°45	25°47	S 13
M14	21 50 15	25°52'08	7♈54	22°40	0♍26	4°55	10° 6	14°32	5°43	29°52	20°19	28°51	0°13	26°51	25°48	M14
T 15	21 54 12	26°50'16	19°42	23°44	1°41	5° 9	10°19	14°30	5°45	29°52	20°17	28°48	0°10	26°58	25°49	T 15
W16	21 58 8	27°48'26	1♉33	24°46	2°55	5°23	10°32	14°28	5°47	29°51	20°16	28°D48	0° 7	27° 5	25°50	W16
T 17	22 2 5	28°46'38	13°33	25°45	4°10	5°38	10°44	14°25	5°49	29°51	20°15	28°49	0° 4	27°11	25°50	T 17
F 18	22 6 1	29°44'52	25°46	26°42	5°24	5°53	10°57	14°22	5°51	29°50	20°14	28°R49	0° 1	27°18	25°51	F 18
S 19	22 9 58	0♍43'08	8♊18	27°36	6°39	6° 9	11°10	14°20	5°53	29°49	20°12	28°49	29♈57	27°25	25°52	S 19
S 20	22 13 54	1°41'26	21°13	28°26	7°54	6°26	11°23	14°17	5°55	29°49	20°11	28°47	29°54	27°31	25°52	S 20
M21	22 17 51	2°39'46	4♋36	29°14	9° 8	6°44	11°36	14°14	5°57	29°48	20°10	28°43	29°51	27°38	25°53	M21
T 22	22 21 48	3°38'09	18°28	29°58	10°23	7° 2	11°49	14°11	5°59	29°47	20° 9	28°37	29°48	27°45	25°53	T 22
W23	22 25 44	4°36'34	2♌48	0♎38	11°37	7°20	12° 2	14° 8	6° 1	29°46	20° 7	28°30	29°45	27°51	25°53	W23
T 24	22 29 41	5°35'00	17°34	1°15	12°52	7°39	12°15	14° 5	6° 4	29°46	20° 6	28°21	29°42	27°58	25°53	T 24
F 25	22 33 37	6°33'29	2♍36	1°47	14° 7	7°59	12°28	14° 2	6° 6	29°45	20° 5	28°13	29°38	28° 5	25°54	F 25
S 26	22 37 34	7°31'59	17°47	2°15	15°21	8°20	12°41	13°58	6° 8	29°44	20° 4	28° 7	29°35	28°11	25°54	S 26
S 27	22 41 30	8°30'32	2♎56	2°37	16°36	8°41	12°54	13°55	6°11	29°43	20° 2	28° 2	29°32	28°18	25°R54	S 27
M28	22 45 27	9°29'06	17°53	2°55	17°50	9° 2	13° 7	13°52	6°13	29°42	20° 1	28° 0	29°29	28°25	25°54	M28
T 29	22 49 23	10°27'42	2♏32	3° 7	19° 5	9°24	13°20	13°48	6°15	29°41	20° 0	28°D 0	29°26	28°31	25°54	T 29
W30	22 53 20	11°26'20	16°48	3°R13	20°20	9°47	13°33	13°44	6°18	29°40	19°59	28° 1	29°23	28°38	25°53	W30
T 31	22 57 16	12♍24'59	0♐40	3♎12	21♍34	10♑10	13♍46	13♈41	6♏20	29♈39	19♒58	28♈ 2	29♈19	28♓45	25♉53	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n55	8s19	0n39	9n30	0n 7	17n52	1n18	29s 7	5s35	9n52	1n 6	3n27	2s39	13s 1	0n23	9n46	1s52	26s12	12s10	11n38	11n51	4s35	17n25	1s52
W 2	16 38	14 26	0s35	8 50	0s 2	17 31	1 19	29 4	5 33	9 47	1 6	3 26	2 40	13 2	0 23	9 46	1 52	26 12	12 11	11 38	11 50	4 31	17 26	1 53
T 3	16 21	19 42	1 46	8 10	0 10	17 9	1 20	29 2	5 31	9 43	1 6	3 26	2 40	13 2	0 23	9 45	1 52	26 13	12 11	11 38	11 49	4 28	17 26	1 53
F 4	16 4	23 51	2 49	7 30	0 19	16 47	1 21	29 0	5 29	9 38	1 6	3 25	2 40	13 2	0 23	9 45	1 52	26 13	12 11	11 38	11 48	4 25	17 26	1 53
S 5	15 46	26 38	3 42	6 51	0 27	16 24	1 21	28 57	5 26	9 33	1 6	3 24	2 41	13 3	0 23	9 45	1 52	26 14	12 11	11 36	11 47	4 21	17 26	1 53
S 6	15 28	27 56	4 22	6 11	0 36	16 1	1 22	28 55	5 24	9 28	1 6	3 23	2 41	13 3	0 23	9 45	1 52	26 14	12 11	11 34	11 45	4 18	17 26	1 53
M 7	15 10	27 43	4 49	5 33	0 45	15 38	1 22	28 52	5 22	9 24	1 6	3 22	2 41	13 4	0 23	9 45	1 53	26 15	12 11	11 31	11 44	4 15	17 26	1 54
T 8	14 52	26 4	5 1	4 54	0 54	15 14	1 23	28 50	5 19	9 19	1 6	3 22	2 41	13 5	0 23	9 45	1 53	26 15	12 11	11 28	11 43	4 11	17 26	1 54
W 9	14 34	23 10	4 59	4 16	1 3	14 49	1 23	28 47	5 17	9 14	1 6	3 21	2 42	13 5	0 23	9 44	1 53	26 15	12 11	11 23	11 42	4 8	17 26	1 54
T 10	14 15	19 17	4 43	3 38	1 13	14 25	1 24	28 44	5 14	9 9	1 6	3 20	2 42	13 6	0 23	9 44	1 53	26 16	12 11	11 19	11 41	4 5	17 26	1 54
F 11	13 56	14 39	4 14	3 1	1 22	13 59	1 24	28 41	5 12	9 4	1 6	3 19	2 42	13 6	0 23	9 44	1 53	26 16	12 11	11 15	11 40	4 1	17 27	1 55
S 12	13 37	9 31	3 34	2 25	1 31	13 34	1 25	28 38	5 9	9 0	1 6	3 18	2 42	13 7	0 23	9 44	1 53	26 17	12 11	11 11	11 39	3 58	17 27	1 55
S 13	13 17	4 5	2 45	1 50	1 40	13 8	1 25	28 35	5 7	8 55	1 6	3 17	2 43	13 7	0 23	9 44	1 53	26 17	12 11	11 9	11 38	3 55	17 27	1 55
M14	12 58	1n29	1 49	1 15	1 50	12 42	1 25	28 32	5 4	8 50	1 6	3 16	2 43	13 8	0 23	9 43	1 53	26 18	12 11	11 7	11 37	3 51	17 27	1 55
T 15	12 38	7 0	0 49	0 41	1 59	12 15	1 25	28 29	5 2	8 45	1 6	3 14	2 43	13 9	0 23	9 43	1 53	26 18	12 11	11 6	11 35	3 48	17 27	1 55
W16	12 18	12 18	0n15	0 8	2 8	11 48	1 25	28 26	4 59	8 40	1 6	3 13	2 43	13 9	0 23	9 43	1 53	26 19	12 11	11 6	11 34	3 45	17 27	1 56
T 17	11 58	17 14	1 18	0s24	2 17	11 21	1 25	28 22	4 56	8 35	1 6	3 12	2 44	13 10	0 23	9 43	1 53	26 19	12 11	11 6	11 33	3 41	17 26	1 56
F 18	11 37	21 33	2 19	0 55	2 26	10 53	1 25	28 19	4 53	8 30	1 6	3 11	2 44	13 11	0 23	9 42	1 53	26 20	12 11	11 7	11 32	3 38	17 26	1 56
S 19	11 17	25 1	3 15	1 24	2 35	10 26	1 25	28 16	4 51	8 25	1 6	3 10	2 44	13 11	0 23	9 42	1 53	26 20	12 11	11 7	11 31	3 35	17 26	1 56
S 20	10 56	27 19	4 3	1 53	2 44	9 57	1 24	28 12	4 48	8 21	1 6	3 8	2 44	13 12	0 23	9 42	1 53	26 20	12 11	11 6	11 30	3 31	17 26	1 57
M21	10 35	28 9	4 40	2 19	2 52	9 29	1 24	28 8	4 45	8 16	1 6	3 7	2 44	13 13	0 23	9 42	1 53	26 21	12 11	11 5	11 29	3 28	17 26	1 57
T 22	10 14	27 16	5 1	2 45	3 0	9 0	1 24	28 5	4 43	8 11	1 6	3 6	2 45	13 14	0 23	9 41	1 53	26 21	12 11	11 2	11 28	3 25	17 26	1 57
W23	9 52	24 35	5 5	3 8	3 8	8 31	1 23	28 1	4 40	8 6	1 6	3 4	2 45	13 14	0 23	9 41	1 53	26 22	12 11	11 0	11 26	3 21	17 26	1 57
T 24	9 31	20 14	4 49	3 30	3 16	8 2	1 23	27 57	4 37	8 1	1 6	3 3	2 45	13 15	0 23	9 41	1 54	26 22	12 11	10 57	11 25	3 18	17 26	1 57
F 25	9 9	14 32	4 13	3 49	3 23	7 33	1 22	27 53	4 34	7 56	1 6	3 1	2 45	13 16	0 23	9 40	1 54	26 22	12 11	10 54	11 24	3 14	17 25	1 58
S 26	8 47	7 54	3 19	4 6	3 30	7 3	1 22	27 49	4 31	7 51	1 6	3 0	2 45	13 17	0 23	9 40	1 54	26 23	12 11	10 52	11 23	3 11	17 25	1 58
S 27	8 25	0 50	2 11	4 21	3 36	6 34	1 21	27 45	4 29	7 46	1 6	2 58	2 46	13 17	0 23	9 39	1 54	26 23	12 11	10 50	11 22	3 8	17 25	1 58
M28	8 3	6s13	0 54	4 33	3 42	6 4	1 20	27 41	4 26	7 41	1 6	2 57	2 46	13 18	0 23	9 39	1 54	26 23	12 11	10 49	11 21	3 4	17 25	1 58
T 29	7 41	12 48	0s24	4 42	3 47	5 33	1 19	27 36	4 23	7 36	1 6	2 55	2 46	13 19	0 23	9 39	1 54	26 24	12 11	10 49	11 20	3 1	17 25	1 59
W30	7 19	18 32	1 40	4 48	3 51	5 3	1 19	27 32	4 20	7 31	1 6	2 54	2 46	13 20	0 23	9 38	1 54	26 24	12 11	10 49	11 19	2 58	17 24	1 59
T 31	6n56	23s 7	2s47	4s51	3s54	4n33	1n18	27s27	4s18	7n26	1n 6	2n52	2s46	13s21	0n23	9n38	1s54	26s24	12s11	10n50	11n17	2s54	17n24	1s59

Julian Day Number = 2106608.5, Delta T = 20m20s
Ecliptic obliquity = 23°33'50, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°34'32, Lahiri = 10°41'33 Julian Calendar 1 Aug. 1055 == Greg. Calendar 7 Aug. 1055

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1055
geocentric

SEPTEMBER 1055 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 1 13	13♍23'40	14♐ 8	3°R 5	22♍49	10♑33	13♍59	13°R37	6♏23	29°R38	19°R57	28°R 2	29♈16	28♓51	25°R53	F 1
S 2	23 5 10	14°22'23	27°16	2♎51	24° 4	10°58	14°12	13♈33	6°26	29♈37	19♒55	28♈ 1	29°13	28°58	25♉53	S 2
S 3	23 9 6	15°21'08	10♑ 5	2°30	25°18	11°22	14°25	13°29	6°28	29°36	19°54	27°59	29°10	29° 5	25°52	S 3
M 4	23 13 3	16°19'55	22°39	2° 2	26°33	11°47	14°38	13°25	6°31	29°35	19°53	27°54	29° 7	29°11	25°52	M 4
T 5	23 16 59	17°18'43	4♒59	1°26	27°48	12°13	14°51	13°21	6°34	29°34	19°52	27°48	29° 3	29°18	25°51	T 5
W 6	23 20 56	18°17'33	17°10	0°43	29° 2	12°39	15° 4	13°17	6°36	29°33	19°51	27°41	29° 0	29°25	25°51	W 6
T 7	23 24 52	19°16'25	29°13	29♍54	0♎17	13° 5	15°17	13°13	6°39	29°31	19°50	27°34	28°57	29°31	25°50	T 7
F 8	23 28 49	20°15'19	11♓ 9	28°58	1°32	13°32	15°30	13° 9	6°42	29°30	19°49	27°27	28°54	29°38	25°49	F 8
S 9	23 32 45	21°14'14	23° 1	27°58	2°46	13°59	15°43	13° 5	6°45	29°29	19°48	27°21	28°51	29°45	25°48	S 9
S 10	23 36 42	22°13'12	4♈49	26°53	4° 1	14°27	15°56	13° 0	6°48	29°28	19°47	27°17	28°48	29°51	25°47	S 10
M11	23 40 39	23°12'12	16°38	25°45	5°16	14°55	16° 8	12°56	6°51	29°26	19°46	27°15	28°44	29°58	25°46	M11
T 12	23 44 35	24°11'15	28°27	24°37	6°30	15°23	16°21	12°52	6°54	29°25	19°44	27°D14	28°41	0♈ 5	25°45	T 12
W13	23 48 32	25°10'19	10♉22	23°29	7°45	15°52	16°34	12°47	6°57	29°24	19°43	27°15	28°38	0°11	25°44	W13
T 14	23 52 28	26° 9'26	22°25	22°24	9° 0	16°21	16°47	12°43	7° 0	29°22	19°42	27°17	28°35	0°18	25°43	T 14
F 15	23 56 25	27° 8'35	4♊39	21°22	10°14	16°50	17° 0	12°38	7° 3	29°21	19°42	27°18	28°32	0°25	25°42	F 15
S 16	0 0 21	28° 7'47	17°11	20°27	11°29	17°20	17°13	12°34	7° 6	29°20	19°41	27°20	28°29	0°31	25°41	S 16
S 17	0 4 18	29° 7'01	0♋ 2	19°40	12°44	17°50	17°26	12°29	7° 9	29°18	19°40	27°R20	28°25	0°38	25°39	S 17
M18	0 8 14	0♌ 6'17	13°19	19° 1	13°59	18°21	17°39	12°25	7°12	29°17	19°39	27°20	28°22	0°45	25°38	M18
T 19	0 12 11	1° 5'36	27° 2	18°32	15°13	18°51	17°52	12°20	7°15	29°16	19°38	27°18	28°19	0°51	25°37	T 19
W20	0 16 8	2° 4'57	11♌13	18°14	16°28	19°22	18° 5	12°15	7°18	29°14	19°37	27°15	28°16	0°58	25°35	W20
T 21	0 20 4	3° 4'20	25°50	18°D 6	17°43	19°54	18°17	12°11	7°22	29°13	19°36	27°11	28°13	1° 5	25°33	T 21
F 22	0 24 1	4° 3'46	10♍47	18°10	18°57	20°26	18°30	12° 6	7°25	29°11	19°35	27° 8	28° 9	1°11	25°32	F 22
S 23	0 27 57	5° 3'14	25°58	18°24	20°12	20°58	18°43	12° 1	7°28	29°10	19°34	27° 6	28° 6	1°18	25°30	S 23
S 24	0 31 54	6° 2'44	11♎12	18°48	21°27	21°30	18°56	11°56	7°31	29° 8	19°33	27° 4	28° 3	1°25	25°28	S 24
M25	0 35 50	7° 2'16	26°20	19°22	22°42	22° 2	19° 8	11°52	7°35	29° 7	19°33	27°D 3	28° 0	1°31	25°26	M25
T 26	0 39 47	8° 1'50	11♏12	20° 5	23°56	22°35	19°21	11°47	7°38	29° 5	19°32	27° 4	27°57	1°38	25°25	T 26
W27	0 43 43	9° 1'26	25°42	20°56	25°11	23° 8	19°34	11°42	7°41	29° 3	19°31	27° 5	27°54	1°45	25°23	W27
T 28	0 47 40	10° 1'03	9♐46	21°54	26°26	23°42	19°46	11°37	7°45	29° 2	19°30	27° 6	27°50	1°51	25°21	T 28
F 29	0 51 37	11° 0'43	23°24	23° 0	27°40	24°15	19°59	11°32	7°48	29° 0	19°30	27° 7	27°47	1°58	25°19	F 29
S 30	0 55 33	12♌ 0'24	6♑36	24♍11	28♎55	24♑49	20♍11	11♈27	7♏52	28♈59	19♒29	27°R 8	27♈44	2♈ 5	25♉17	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6n34	26s19	3s43	4s50	3s56	4n 2	1n17	27s23	4s15	7n21	1n 6	2n51	2s47	13s22	0n23	9n38	1s54	26s25	12s10	10n50	11n16	2s51	17n24	1s59
S 2	6 11	27 58	4 26	4 45	3 57	3 32	1 16	27 18	4 12	7 16	1 6	2 49	2 47	13 23	0 23	9 37	1 54	26 25	12 10	10 50	11 15	2 48	17 23	1 59
S 3	5 48	28 5	4 55	4 36	3 56	3 1	1 14	27 13	4 9	7 11	1 6	2 47	2 47	13 24	0 23	9 37	1 54	26 25	12 10	10 49	11 14	2 44	17 23	2 0
M 4	5 25	26 43	5 8	4 23	3 54	2 30	1 13	27 8	4 7	7 6	1 6	2 46	2 47	13 24	0 23	9 36	1 54	26 26	12 10	10 47	11 13	2 41	17 23	2 0
T 5	5 2	24 5	5 7	4 6	3 50	1 59	1 12	27 3	4 4	7 1	1 6	2 44	2 47	13 25	0 23	9 36	1 54	26 26	12 10	10 45	11 12	2 37	17 22	2 0
W 6	4 39	20 24	4 52	3 44	3 45	1 28	1 11	26 58	4 1	6 56	1 6	2 42	2 47	13 26	0 22	9 35	1 54	26 26	12 10	10 42	11 11	2 34	17 22	2 0
T 7	4 16	15 55	4 24	3 17	3 38	0 57	1 9	26 52	3 58	6 51	1 6	2 40	2 47	13 27	0 22	9 35	1 54	26 26	12 10	10 40	11 10	2 31	17 22	2 1
F 8	3 53	10 53	3 45	2 47	3 29	0 26	1 8	26 47	3 56	6 46	1 6	2 39	2 48	13 28	0 22	9 34	1 54	26 27	12 10	10 37	11 8	2 27	17 21	2 1
S 9	3 29	5 29	2 56	2 12	3 18	0s 6	1 6	26 41	3 53	6 41	1 6	2 37	2 48	13 29	0 22	9 34	1 54	26 27	12 10	10 35	11 7	2 24	17 21	2 1
S 10	3 6	0n 6	1 59	1 34	3 4	0 37	1 5	26 35	3 50	6 36	1 6	2 35	2 48	13 30	0 22	9 33	1 54	26 27	12 10	10 34	11 6	2 21	17 20	2 1
M11	2 43	5 41	0 58	0 54	2 50	1 8	1 3	26 30	3 47	6 31	1 6	2 33	2 48	13 31	0 22	9 33	1 54	26 27	12 9	10 33	11 5	2 17	17 20	2 2
T 12	2 19	11 5	0n 7	0 11	2 33	1 39	1 2	26 24	3 45	6 26	1 6	2 32	2 48	13 32	0 22	9 32	1 54	26 28	12 9	10 33	11 4	2 14	17 20	2 2
W13	1 56	16 8	1 11	0n32	2 15	2 10	1 0	26 17	3 42	6 21	1 6	2 30	2 48	13 33	0 22	9 32	1 54	26 28	12 9	10 33	11 3	2 10	17 19	2 2
T 14	1 32	20 37	2 14	1 16	1 56	2 41	0 58	26 11	3 39	6 16	1 6	2 28	2 48	13 34	0 22	9 31	1 54	26 28	12 9	10 33	11 2	2 7	17 19	2 2
F 15	1 9	24 18	3 11	1 58	1 36	3 13	0 57	26 5	3 37	6 11	1 6	2 26	2 48	13 35	0 22	9 31	1 55	26 28	12 9	10 34	11 0	2 4	17 18	2 2
S 16	0 45	26 56	4 1	2 38	1 16	3 44	0 55	25 58	3 34	6 6	1 6	2 24	2 49	13 36	0 22	9 30	1 55	26 28	12 9	10 35	10 59	2 0	17 18	2 3
S 17	0 21	28 13	4 40	3 16	0 55	4 15	0 53	25 52	3 31	6 1	1 7	2 22	2 49	13 37	0 22	9 30	1 55	26 29	12 9	10 35	10 58	1 57	17 17	2 3
M18	0s 3	27 57	5 5	3 50	0 35	4 46	0 51	25 45	3 29	5 56	1 7	2 20	2 49	13 38	0 22	9 29	1 55	26 29	12 8	10 34	10 57	1 54	17 17	2 3
T 19	0 26	26 0	5 14	4 19	0 16	5 16	0 49	25 38	3 26	5 51	1 7	2 19	2 49	13 39	0 22	9 29	1 55	26 29	12 8	10 34	10 56	1 50	17 16	2 3
W20	0 50	22 23	5 5	4 43	0n 3	5 47	0 47	25 31	3 24	5 46	1 7	2 17	2 49	13 40	0 22	9 28	1 55	26 29	12 8	10 33	10 55	1 47	17 15	2 3
T 21	1 14	17 18	4 36	5 2	0 21	6 18	0 45	25 24	3 21	5 41	1 7	2 15	2 49	13 41	0 22	9 28	1 55	26 29	12 8	10 32	10 54	1 43	17 15	2 4
F 22	1 37	11 4	3 48	5 16	0 37	6 48	0 43	25 16	3 18	5 36	1 7	2 13	2 49	13 42	0 22	9 27	1 55	26 29	12 8	10 30	10 52	1 40	17 14	2 4
S 23	2 1	4 6	2 43	5 24	0 52	7 18	0 41	25 9	3 16	5 31	1 7	2 11	2 49	13 44	0 22	9 27	1 55	26 29	12 8	10 29	10 51	1 37	17 14	2 4
S 24	2 25	3s 8	1 26	5 27	1 5	7 49	0 39	25 1	3 13	5 26	1 7	2 9	2 49	13 45	0 22	9 26	1 55	26 29	12 7	10 29	10 50	1 33	17 13	2 4
M25	2 48	10 9	0 4	5 25	1 17	8 19	0 36	24 53	3 11	5 21	1 7	2 7	2 49	13 46	0 22	9 26	1 55	26 30	12 7	10 29	10 49	1 30	17 12	2 5
T 26	3 12	16 29	1s17	5 17	1 27	8 48	0 34	24 45	3 8	5 16	1 7	2 5	2 49	13 47	0 22	9 25	1 55	26 30	12 7	10 29	10 48	1 27	17 12	2 5
W27	3 36	21 44	2 32	5 5	1 36	9 18	0 32	24 37	3 6	5 11	1 7	2 3	2 49	13 48	0 22	9 24	1 55	26 30	12 7	10 29	10 47	1 23	17 11	2 5
T 28	3 59	25 34	3 35	4 49	1 44	9 47	0 29	24 29	3 3	5 6	1 7	2 2	2 49	13 49	0 22	9 24	1 55	26 30	12 7	10 30	10 46	1 20	17 10	2 5
F 29	4 23	27 47	4 24	4 29	1 50	10 17	0 27	24 20	3 1	5 1	1 7	2 0	2 49	13 50	0 22	9 23	1 55	26 30	12 6	10 30	10 44	1 16	17 10	2 5
S 30	4s46	28s20	4s57	4n 5	1n55	10s46	0n25	24s12	2s58	4n56	1n 7	1n58	2s49	13s51	0n22	9n23	1s55	26s30	12s 6	10n30	10n43	1s13	17n 9	2s 6

Julian Day Number = 2106639.5, Delta T = 20m19s
Ecliptic obliquity = 23°33'50, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°34'37, Lahiri = 10°41'37 Julian Calendar 1 Sept. 1055 == Greg. Calendar 7 Sept. 1055

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1055
geocentric

OCTOBER 1055 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 59 30	13♎ 0'08	19♑25	25♍27	0♏10	25♑23	20♍24	11°R23	7♏55	28°R57	19°R28	27°R 8	27♈41	2♈11	25°R14	S 1
M 2	1 3 26	13°59'52	1♒55	26°48	1°24	25°58	20°36	11♈18	7°59	28♈56	19♒28	27♈ 7	27°38	2°18	25♉12	M 2
T 3	1 7 23	14°59'39	14°10	28°12	2°39	26°32	20°49	11°13	8° 2	28°54	19°27	27° 6	27°35	2°25	25°10	T 3
W 4	1 11 19	15°59'27	26°13	29°40	3°54	27° 7	21° 1	11° 8	8° 6	28°52	19°26	27° 4	27°31	2°31	25° 8	W 4
T 5	1 15 16	16°59'17	8♓ 9	1♎10	5° 9	27°42	21°14	11° 4	8° 9	28°51	19°26	27° 3	27°28	2°38	25° 5	T 5
F 6	1 19 12	17°59'09	19°59	2°42	6°23	28°17	21°26	10°59	8°13	28°49	19°25	27° 1	27°25	2°45	25° 3	F 6
S 7	1 23 9	18°59'03	1♈48	4°16	7°38	28°53	21°38	10°54	8°16	28°47	19°25	27° 0	27°22	2°51	25° 0	S 7
S 8	1 27 6	19°58'59	13°37	5°52	8°53	29°29	21°50	10°49	8°20	28°46	19°24	27° 0	27°19	2°58	24°58	S 8
M 9	1 31 2	20°58'56	25°29	7°28	10° 7	0♒ 4	22° 2	10°45	8°23	28°44	19°24	26°D59	27°15	3° 5	24°55	M 9
T 10	1 34 59	21°58'56	7♉26	9° 5	11°22	0°40	22°15	10°40	8°27	28°42	19°23	26°59	27°12	3°11	24°53	T 10
W11	1 38 55	22°58'57	19°29	10°44	12°37	1°16	22°27	10°35	8°31	28°41	19°23	27° 0	27° 9	3°18	24°50	W11
T 12	1 42 52	23°59'01	1♊42	12°22	13°51	1°53	22°39	10°31	8°34	28°39	19°22	27° 0	27° 6	3°25	24°48	T 12
F 13	1 46 48	24°59'07	14° 6	14° 1	15° 6	2°29	22°51	10°26	8°38	28°37	19°22	27° 0	27° 3	3°31	24°45	F 13
S 14	1 50 45	25°59'15	26°44	15°40	16°20	3° 6	23° 3	10°22	8°42	28°36	19°22	27° 1	27° 0	3°38	24°42	S 14
S 15	1 54 41	26°59'25	9♋38	17°19	17°35	3°43	23°14	10°17	8°45	28°34	19°21	27°R 1	26°56	3°45	24°39	S 15
M16	1 58 38	27°59'37	22°52	18°57	18°50	4°20	23°26	10°13	8°49	28°32	19°21	27°D 1	26°53	3°51	24°36	M16
T 17	2 2 35	28°59'51	6♌26	20°36	20° 4	4°57	23°38	10° 8	8°53	28°30	19°21	27° 1	26°50	3°58	24°34	T 17
W18	2 6 31	0♏ 0'08	20°24	22°15	21°19	5°34	23°50	10° 4	8°56	28°29	19°20	27° 1	26°47	4° 4	24°31	W18
T 19	2 10 28	1° 0'26	4♍43	23°53	22°34	6°12	24° 1	9°59	9° 0	28°27	19°20	27° 1	26°44	4°11	24°28	T 19
F 20	2 14 24	2° 0'46	19°22	25°32	23°48	6°49	24°13	9°55	9° 4	28°25	19°20	27° 1	26°40	4°18	24°25	F 20
S 21	2 18 21	3° 1'09	4♎15	27°10	25° 3	7°27	24°24	9°51	9° 7	28°24	19°20	27° 2	26°37	4°24	24°22	S 21
S 22	2 22 17	4° 1'33	19°17	28°47	26°17	8° 5	24°36	9°47	9°11	28°22	19°19	27° 2	26°34	4°31	24°19	S 22
M23	2 26 14	5° 1'59	4♏18	0♏25	27°32	8°43	24°47	9°43	9°15	28°20	19°19	27°R 2	26°31	4°38	24°16	M23
T 24	2 30 10	6° 2'27	19°11	2° 2	28°47	9°21	24°58	9°39	9°19	28°19	19°19	27° 2	26°28	4°44	24°13	T 24
W25	2 34 7	7° 2'56	3♐47	3°39	0♐ 1	9°59	25°10	9°35	9°22	28°17	19°19	27° 1	26°25	4°51	24° 9	W25
T 26	2 38 4	8° 3'27	18° 0	5°15	1°16	10°38	25°21	9°31	9°26	28°15	19°19	27° 0	26°21	4°58	24° 6	T 26
F 27	2 42 0	9° 4'00	1♑47	6°51	2°30	11°16	25°32	9°27	9°30	28°14	19°19	26°58	26°18	5° 4	24° 3	F 27
S 28	2 45 57	10° 4'34	15° 7	8°27	3°45	11°55	25°43	9°23	9°33	28°12	19°D19	26°57	26°15	5°11	24° 0	S 28
S 29	2 49 53	11° 5'09	28° 2	10° 3	5° 0	12°34	25°54	9°19	9°37	28°10	19°19	26°56	26°12	5°18	23°57	S 29
M30	2 53 50	12° 5'45	10♒35	11°38	6°14	13°12	26° 5	9°16	9°41	28° 9	19°19	26°D55	26° 9	5°24	23°53	M30
T 31	2 57 46	13♏ 6'23	22♒49	13♏14	7♐29	13♒51	26♍15	9♈12	9♏45	28♈ 7	19♒19	26♈55	26♈ 6	5♈31	23♉50	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	5s10	27s19	5s14	3n38	1n59	11s14	0n22	24s 3	2s56	4n51	1n 8	1n56	2s49	13s53	0n22	9n22	1s55	26s30	12s 6	10n30	10n42	1s10	17n 8	2s 6	
M 2	5 33	24 57	5 16	3 8	2 1	11 43	0 20	23 54	2 54	4 47	1 8	1 54	2 49	13 54	0 22	9 21	1 55	26 30	12 6	10 30	10 41	1 6	17 8	2 6	
T 3	5 56	21 29	5 3	2 36	2 3	12 11	0 17	23 45	2 51	4 42	1 8	1 52	2 49	13 55	0 22	9 21	1 55	26 30	12 6	10 30	10 40	1 3	17 7	2 6	
W 4	6 19	17 10	4 37	2 1	2 3	12 39	0 15	23 36	2 49	4 37	1 8	1 50	2 49	13 56	0 22	9 20	1 55	26 30	12 5	10 29	10 39	0 59	17 6	2 6	
T 5	6 42	12 15	3 59	1 25	2 3	13 6	0 13	23 27	2 46	4 32	1 8	1 48	2 49	13 57	0 22	9 20	1 55	26 30	12 5	10 28	10 38	0 56	17 5	2 7	
F 6	7 5	6 55	3 11	0 47	2 2	13 34	0 10	23 17	2 44	4 27	1 8	1 47	2 49	13 58	0 22	9 19	1 55	26 30	12 5	10 28	10 36	0 53	17 5	2 7	
S 7	7 28	1 21	2 15	0 8	2 0	14 1	0 7	23 7	2 42	4 23	1 8	1 45	2 49	13 59	0 22	9 18	1 55	26 30	12 5	10 27	10 35	0 49	17 4	2 7	
S 8	7 51	4n16	1 14	0s32	1 58	14 27	0 5	22 58	2 39	4 18	1 8	1 43	2 49	14 1	0 22	9 18	1 55	26 30	12 5	10 27	10 34	0 46	17 3	2 7	
M 9	8 14	9 46	0 8	1 13	1 55	14 53	0 2	22 48	2 37	4 13	1 8	1 41	2 49	14 2	0 22	9 17	1 55	26 30	12 4	10 27	10 33	0 42	17 2	2 7	
T 10	8 36	14 58	0n58	1 55	1 51	15 19	0s 0	22 38	2 35	4 8	1 8	1 39	2 49	14 3	0 22	9 17	1 55	26 30	12 4	10 27	10 32	0 39	17 1	2 7	
W11	8 59	19 39	2 2	2 37	1 47	15 45	0 3	22 27	2 32	4 4	1 9	1 38	2 49	14 4	0 22	9 16	1 55	26 30	12 4	10 27	10 31	0 36	17 1	2 8	
T 12	9 21	23 34	3 1	3 20	1 43	16 10	0 5	22 17	2 30	3 59	1 9	1 36	2 49	14 5	0 22	9 15	1 55	26 30	12 4	10 27	10 30	0 32	17 0	2 8	
F 13	9 43	26 28	3 53	4 3	1 38	16 35	0 8	22 6	2 28	3 54	1 9	1 34	2 49	14 7	0 22	9 15	1 55	26 30	12 3	10 28	10 28	0 29	16 59	2 8	
S 14	10 5	28 6	4 35	4 46	1 33	16 59	0 11	21 55	2 26	3 50	1 9	1 32	2 48	14 8	0 22	9 14	1 55	26 29	12 3	10 28	10 27	0 25	16 58	2 8	
S 15	10 27	28 15	5 3	5 29	1 28	17 23	0 13	21 45	2 23	3 45	1 9	1 31	2 48	14 9	0 22	9 14	1 55	26 29	12 3	10 28	10 26	0 22	16 57	2 8	
M16	10 49	26 49	5 17	6 12	1 22	17 46	0 16	21 34	2 21	3 41	1 9	1 29	2 48	14 10	0 22	9 13	1 55	26 29	12 3	10 28	10 25	0 19	16 57	2 9	
T 17	11 10	23 49	5 14	6 54	1 16	18 9	0 18	21 22	2 19	3 36	1 9	1 27	2 48	14 11	0 22	9 12	1 55	26 29	12 2	10 28	10 24	0 15	16 56	2 9	
W18	11 32	19 22	4 52	7 37	1 10	18 31	0 21	21 11	2 17	3 31	1 9	1 26	2 48	14 12	0 22	9 12	1 55	26 29	12 2	10 28	10 23	0 12	16 55	2 9	
T 19	11 53	13 44	4 12	8 19	1 4	18 53	0 24	21 0	2 15	3 27	1 10	1 24	2 48	14 14	0 22	9 11	1 55	26 29	12 2	10 28	10 21	0 8	16 54	2 9	
F 20	12 14	7 13	3 14	9 1	0 58	19 15	0 26	20 48	2 12	3 23	1 10	1 23	2 48	14 15	0 22	9 11	1 55	26 29	12 2	10 28	10 20	0 5	16 53	2 9	
S 21	12 35	0 11	2 3	9 43	0 52	19 36	0 29	20 36	2 10	3 18	1 10	1 21	2 48	14 16	0 22	9 10	1 55	26 28	12 2	10 28	10 19	0 2	16 52	2 9	
S 22	12 56	6s55	0 43	10 24	0 45	19 56	0 31	20 24	2 8	3 14	1 10	1 20	2 48	14 17	0 22	9 9	1 55	26 28	12 1	10 28	10 18	0n 2	16 51	2 10	
M23	13 16	13 39	0s40	11 4	0 39	20 16	0 34	20 12	2 6	3 9	1 10	1 18	2 47	14 18	0 22	9 9	1 55	26 28	12 1	10 28	10 17	0 5	16 50	2 10	
T 24	13 36	19 32	2 0	11 45	0 32	20 35	0 37	20 0	2 4	3 5	1 10	1 17	2 47	14 20	0 22	9 8	1 55	26 28	12 1	10 28	10 16	0 9	16 49	2 10	
W25	13 56	24 8	3 10	12 24	0 25	20 54	0 39	19 47	2 2	3 1	1 10	1 15	2 47	14 21	0 22	9 8	1 55	26 28	12 1	10 28	10 15	0 12	16 49	2 10	
T 26	14 16	27 7	4 7	13 3	0 19	21 12	0 42	19 35	2 0	2 56	1 11	1 14	2 47	14 22	0 22	9 7	1 55	26 27	12 0	10 27	10 13	0 15	16 48	2 10	
F 27	14 36	28 20	4 47	13 41	0 12	21 30	0 44	19 22	1 58	2 52	1 11	1 12	2 47	14 23	0 22	9 7	1 55	26 27	12 0	10 27	10 12	0 19	16 47	2 10	
S 28	14 55	27 50	5 10	14 19	0 5	21 47	0 47	19 9	1 56	2 48	1 11	1 11	2 47	14 24	0 22	9 6	1 55	26 27	12 0	10 26	10 11	0 22	16 46	2 10	
S 29	15 14	25 50	5 17	14 56	0s 2	22 3	0 49	18 57	1 54	2 43	1 11	1 10	2 46	14 26	0 22	9 5	1 55	26 27	11 59	10 26	10 10	0 26	16 45	2 11	
M30	15 33	22 36	5 8	15 32	0 8	22 19	0 52	18 43	1 52	2 39	1 11	1 8	2 46	14 27	0 22	9 5	1 55	26 27	11 59	10 26	10 9	0 29	16 44	2 11	
T 31	15s51	18s28	4s45	16s 8	0s15	22s34	0s54	18s30	1s50	2n35	1n11	1n 7	2s46	14s28	0n22	9n 4	1s55	26s26	11s59	10n26	10n 8	0n32	16n43	2s11	

Julian Day Number = 2106669.5, Delta T = 20m19s
Ecliptic obliquity = 23°33'50, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°34'41, Lahiri = 10°41'41 Julian Calendar 1 Oct. 1055 == Greg. Calendar 7 Oct. 1055

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1055
geocentric

NOVEMBER 1055 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 1 43	14♏ 7'02	4♓50	14♏49	8♐43	14♒30	26♍26	9°R 9	9♏48	28°R 5	19♒19	26♈56	26♈ 2	5♈38	23°R47	W 1
T 2	3 5 39	15° 7'41	16°43	16°23	9°58	15° 9	26°37	9♈ 5	9°52	28♈ 4	19°19	26°58	25°59	5°44	23♉44	T 2
F 3	3 9 36	16° 8'23	28°31	17°58	11°12	15°49	26°47	9° 2	9°56	28° 2	19°19	26°59	25°56	5°51	23°40	F 3
S 4	3 13 33	17° 9'05	10♈19	19°32	12°27	16°28	26°58	8°59	10° 0	28° 1	19°20	27° 1	25°53	5°58	23°37	S 4
S 5	3 17 29	18° 9'48	22°11	21° 7	13°41	17° 7	27° 8	8°55	10° 3	27°59	19°20	27°R 2	25°50	6° 4	23°34	S 5
M 6	3 21 26	19°10'33	4♉ 9	22°41	14°56	17°47	27°18	8°52	10° 7	27°58	19°20	27° 2	25°46	6°11	23°30	M 6
T 7	3 25 22	20°11'19	16°16	24°15	16°10	18°26	27°28	8°49	10°11	27°56	19°20	27° 0	25°43	6°18	23°27	T 7
W 8	3 29 19	21°12'07	28°34	25°48	17°25	19° 6	27°38	8°46	10°14	27°55	19°20	26°58	25°40	6°24	23°24	W 8
T 9	3 33 15	22°12'56	11♊ 3	27°22	18°39	19°46	27°48	8°44	10°18	27°53	19°21	26°54	25°37	6°31	23°20	T 9
F 10	3 37 12	23°13'46	23°45	28°56	19°54	20°26	27°58	8°41	10°22	27°51	19°21	26°50	25°34	6°38	23°17	F 10
S 11	3 41 8	24°14'37	6♋39	0♐29	21° 8	21° 5	28° 8	8°38	10°25	27°50	19°21	26°45	25°31	6°44	23°14	S 11
S 12	3 45 5	25°15'30	19°47	2° 3	22°22	21°45	28°18	8°36	10°29	27°49	19°22	26°41	25°27	6°51	23°10	S 12
M13	3 49 2	26°16'24	3♌ 9	3°36	23°37	22°25	28°27	8°33	10°33	27°47	19°22	26°38	25°24	6°58	23° 7	M13
T 14	3 52 58	27°17'20	16°44	5°10	24°51	23° 5	28°37	8°31	10°36	27°46	19°23	26°36	25°21	7° 4	23° 4	T 14
W15	3 56 55	28°18'17	0♍34	6°43	26° 5	23°46	28°46	8°29	10°40	27°44	19°23	26°D35	25°18	7°11	23° 0	W15
T 16	4 0 51	29°19'15	14°38	8°16	27°20	24°26	28°55	8°26	10°43	27°43	19°24	26°36	25°15	7°17	22°57	T 16
F 17	4 4 48	0♐20'14	28°55	9°50	28°34	25° 6	29° 4	8°24	10°47	27°41	19°24	26°38	25°12	7°24	22°54	F 17
S 18	4 8 44	1°21'15	13♎24	11°23	29°48	25°46	29°13	8°22	10°51	27°40	19°25	26°39	25° 8	7°31	22°51	S 18
S 19	4 12 41	2°22'17	28° 1	12°56	1♑ 3	26°27	29°22	8°21	10°54	27°39	19°25	26°R40	25° 5	7°37	22°47	S 19
M20	4 16 37	3°23'20	12♏40	14°29	2°17	27° 7	29°31	8°19	10°58	27°37	19°26	26°39	25° 2	7°44	22°44	M20
T 21	4 20 34	4°24'24	27°15	16° 2	3°31	27°47	29°40	8°17	11° 1	27°36	19°26	26°36	24°59	7°51	22°41	T 21
W22	4 24 31	5°25'29	11♐41	17°35	4°46	28°28	29°48	8°16	11° 5	27°35	19°27	26°31	24°56	7°57	22°37	W22
T 23	4 28 27	6°26'35	25°50	19° 8	6° 0	29° 9	29°56	8°14	11° 8	27°34	19°28	26°24	24°52	8° 4	22°34	T 23
F 24	4 32 24	7°27'42	9♑37	20°40	7°14	29°49	0♎ 5	8°13	11°12	27°32	19°28	26°17	24°49	8°11	22°31	F 24
S 25	4 36 20	8°28'49	23° 1	22°13	8°28	0♓30	0°13	8°12	11°15	27°31	19°29	26°10	24°46	8°17	22°28	S 25
S 26	4 40 17	9°29'56	6♒ 0	23°45	9°42	1°11	0°21	8°11	11°18	27°30	19°30	26° 4	24°43	8°24	22°25	S 26
M27	4 44 13	10°31'04	18°37	25°17	10°57	1°51	0°29	8°10	11°22	27°29	19°30	26° 0	24°40	8°31	22°21	M27
T 28	4 48 10	11°32'12	0♓54	26°48	12°11	2°32	0°37	8° 9	11°25	27°28	19°31	25°57	24°37	8°37	22°18	T 28
W29	4 52 6	12°33'21	12°57	28°18	13°25	3°13	0°44	8° 8	11°29	27°27	19°32	25°D56	24°33	8°44	22°15	W29
T 30	4 56 3	13♐34'29	24♓49	29♐48	14♑39	3♓54	0♎52	8♈ 7	11♏32	27♈26	19♒33	25♈57	24♈30	8♈51	22♉12	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	16s10	13s40	4s10	16s42	0s21	22s48	0s57	18s17	1s48	2n31	1n11	1n 6	2s46	14s29	0n22	9n 4	1s55	26s26	11s59	10n26	10n 6	0n36	16n42	2s11	W 1
T 2	16 27	8 25	3 25	17 16	0 28	23 2	0 59	18 3	1 46	2 27	1 12	1 5	2 46	14 30	0 22	9 3	1 55	26 26	11 58	10 27	10 5	0 39	16 41	2 11	T 2
F 3	16 45	2 54	2 31	17 49	0 34	23 15	1 1	17 50	1 44	2 23	1 12	1 4	2 46	14 32	0 22	9 3	1 55	26 25	11 58	10 27	10 4	0 43	16 40	2 11	F 3
S 4	17 3	2n43	1 31	18 22	0 41	23 27	1 4	17 36	1 42	2 19	1 12	1 3	2 45	14 33	0 22	9 2	1 55	26 25	11 58	10 28	10 3	0 46	16 39	2 11	S 4
S 5	17 20	8 16	0 27	18 53	0 47	23 39	1 6	17 22	1 40	2 15	1 12	1 2	2 45	14 34	0 22	9 2	1 55	26 25	11 58	10 28	10 2	0 49	16 38	2 11	S 5
M 6	17 37	13 35	0n39	19 23	0 53	23 50	1 8	17 8	1 38	2 11	1 12	1 1	2 45	14 35	0 22	9 1	1 55	26 25	11 57	10 28	10 1	0 53	16 37	2 12	M 6
T 7	17 53	18 27	1 44	19 53	0 59	24 0	1 10	16 54	1 36	2 7	1 13	1 0	2 45	14 36	0 22	9 0	1 55	26 24	11 57	10 28	9 59	0 56	16 37	2 12	T 7
W 8	18 9	22 37	2 45	20 21	1 5	24 10	1 12	16 40	1 34	2 3	1 13	0 59	2 45	14 37	0 22	9 0	1 55	26 24	11 57	10 27	9 58	1 0	16 36	2 12	W 8
T 9	18 25	25 50	3 39	20 49	1 11	24 19	1 15	16 26	1 33	1 59	1 13	0 58	2 44	14 39	0 22	8 59	1 55	26 24	11 57	10 25	9 57	1 3	16 35	2 12	T 9
F 10	18 41	27 47	4 23	21 16	1 16	24 27	1 17	16 11	1 31	1 56	1 13	0 57	2 44	14 40	0 22	8 59	1 55	26 23	11 56	10 24	9 56	1 6	16 34	2 12	F 10
S 11	18 56	28 18	4 54	21 41	1 22	24 34	1 19	15 57	1 29	1 52	1 13	0 56	2 44	14 41	0 22	8 58	1 55	26 23	11 56	10 22	9 55	1 10	16 33	2 12	S 11
S 12	19 11	27 13	5 11	22 6	1 27	24 41	1 21	15 42	1 27	1 48	1 13	0 55	2 44	14 42	0 22	8 58	1 55	26 22	11 56	10 21	9 54	1 13	16 32	2 12	S 12
M13	19 25	24 36	5 11	22 29	1 32	24 47	1 23	15 27	1 25	1 45	1 14	0 54	2 43	14 43	0 22	8 57	1 55	26 22	11 56	10 19	9 53	1 17	16 31	2 12	M13
T 14	19 39	20 34	4 54	22 51	1 37	24 52	1 25	15 12	1 24	1 41	1 14	0 54	2 43	14 44	0 22	8 57	1 55	26 22	11 55	10 19	9 51	1 20	16 30	2 12	T 14
W15	19 53	15 23	4 20	23 13	1 41	24 57	1 26	14 57	1 22	1 37	1 14	0 53	2 43	14 45	0 22	8 56	1 55	26 21	11 55	10 18	9 50	1 24	16 29	2 12	W15
T 16	20 7	9 18	3 30	23 32	1 46	25 0	1 28	14 42	1 20	1 34	1 14	0 52	2 43	14 47	0 22	8 56	1 55	26 21	11 55	10 19	9 49	1 27	16 28	2 13	T 16
F 17	20 20	2 39	2 26	23 51	1 50	25 3	1 30	14 27	1 18	1 30	1 14	0 52	2 42	14 48	0 22	8 56	1 55	26 21	11 55	10 19	9 48	1 30	16 27	2 13	F 17
S 18	20 32	4s13	1 12	24 9	1 54	25 5	1 32	14 12	1 17	1 27	1 15	0 51	2 42	14 49	0 22	8 55	1 54	26 20	11 54	10 20	9 47	1 34	16 26	2 13	S 18
S 19	20 45	10 56	0s 7	24 25	1 58	25 7	1 33	13 56	1 15	1 24	1 15	0 51	2 42	14 50	0 22	8 55	1 54	26 20	11 54	10 20	9 46	1 37	16 25	2 13	S 19
M20	20 57	17 5	1 26	24 40	2 1	25 7	1 35	13 41	1 13	1 20	1 15	0 50	2 42	14 51	0 22	8 54	1 54	26 19	11 54	10 20	9 44	1 41	16 25	2 13	M20
T 21	21 8	22 13	2 39	24 53	2 4	25 7	1 36	13 25	1 12	1 17	1 15	0 50	2 41	14 52	0 22	8 54	1 54	26 19	11 54	10 19	9 43	1 44	16 24	2 13	T 21
W22	21 19	25 56	3 40	25 5	2 7	25 6	1 38	13 10	1 10	1 14	1 15	0 50	2 41	14 53	0 22	8 53	1 54	26 18	11 53	10 17	9 42	1 47	16 23	2 13	W22
T 23	21 30	27 57	4 27	25 16	2 9	25 5	1 39	12 54	1 8	1 11	1 16	0 49	2 41	14 54	0 22	8 53	1 54	26 18	11 53	10 14	9 41	1 51	16 22	2 13	T 23
F 24	21 40	28 9	4 57	25 25	2 11	25 2	1 41	12 38	1 7	1 8	1 16	0 49	2 41	14 55	0 22	8 53	1 54	26 18	11 53	10 12	9 40	1 54	16 21	2 13	F 24
S 25	21 50	26 40	5 9	25 33	2 13	24 59	1 42	12 22	1 5	1 5	1 16	0 49	2 40	14 56	0 22	8 52	1 54	26 17	11 53	10 9	9 39	1 58	16 20	2 13	S 25
S 26	21 59	23 47	5 5	25 39	2 14	24 55	1 43	12 6	1 3	1 2	1 16	0 49	2 40	14 58	0 22	8 52	1 54	26 17	11 52	10 7	9 37	2 1	16 19	2 13	S 26
M27	22 8	19 51	4 46	25 44	2 15	24 50	1 44	11 50	1 2	0 59	1 17	0 48	2 40	14 59	0 22	8 51	1 54	26 16	11 52	10 5	9 36	2 4	16 18	2 13	M27
T 28	22 17	15 10	4 14	25 47	2 15	24 45	1 45	11 34	1 0	0 56	1 17	0 48	2 40	15 0	0 22	8 51	1 54	26 16	11 52	10 5	9 35	2 8	16 18	2 13	T 28
W29	22 25	9 59	3 32	25 48	2 15	24 39	1 46	11 17	0 59	0 53	1 17	0 48	2 39	15 1	0 22	8 51	1 54	26 15	11 52	10 4	9 34	2 11	16 17	2 13	W29
T 30	22s33	4s31	2s40	25s48	2s14	24s32	1s47	11s 1	0s57	0n50	1n17	0n48	2s39	15s 2	0n22	8n50	1s54	26s15	11s52	10n 4	9n33	2n15	16n16	2s13	T 30

Julian Day Number = 2106700.5, Delta T = 20m19s
Ecliptic obliquity = 23°33'50, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°34'45, Lahiri = 10°41'45 Julian Calendar 1 Nov. 1055 == Greg. Calendar 7 Nov. 1055

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1055
geocentric

DECEMBER 1055 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 0 0	14♐35'38	6♈37	1♑17	15♑53	4♓35	0♎59	8°R 7	11♏35	27°R25	19♒34	25♈58	24♈27	8♈57	22°R 9	F 1
S 2	5 3 56	15°36'47	18°25	2°45	17° 7	5°16	1° 6	8♈ 6	11°38	27♈24	19°34	26° 0	24°24	9° 4	22♉ 6	S 2
S 3	5 7 53	16°37'57	0♉20	4°12	18°21	5°57	1°13	8° 6	11°42	27°23	19°35	26°R 0	24°21	9°11	22° 3	S 3
M 4	5 11 49	17°39'06	12°23	5°38	19°35	6°37	1°20	8° 6	11°45	27°22	19°36	25°58	24°18	9°17	22° 0	M 4
T 5	5 15 46	18°40'16	24°40	7° 1	20°49	7°18	1°27	8°D 6	11°48	27°21	19°37	25°54	24°14	9°24	21°57	T 5
W 6	5 19 42	19°41'26	7♊13	8°22	22° 3	7°59	1°34	8° 6	11°51	27°20	19°38	25°48	24°11	9°31	21°55	W 6
T 7	5 23 39	20°42'36	20° 1	9°41	23°16	8°41	1°40	8° 6	11°54	27°19	19°39	25°39	24° 8	9°37	21°52	T 7
F 8	5 27 35	21°43'47	3♋ 5	10°57	24°30	9°22	1°47	8° 6	11°57	27°18	19°40	25°29	24° 5	9°44	21°49	F 8
S 9	5 31 32	22°44'58	16°24	12° 9	25°44	10° 3	1°53	8° 7	12° 0	27°17	19°41	25°19	24° 2	9°50	21°46	S 9
S 10	5 35 29	23°46'09	29°56	13°17	26°58	10°44	1°59	8° 7	12° 3	27°17	19°42	25° 9	23°58	9°57	21°43	S 10
M11	5 39 25	24°47'20	13♌38	14°21	28°12	11°25	2° 5	8° 8	12° 6	27°16	19°43	25° 1	23°55	10° 4	21°41	M11
T 12	5 43 22	25°48'32	27°27	15°19	29°25	12° 6	2°11	8° 8	12° 9	27°15	19°44	24°55	23°52	10°10	21°38	T 12
W13	5 47 18	26°49'44	11♍23	16°11	0♒39	12°47	2°16	8° 9	12°12	27°14	19°45	24°51	23°49	10°17	21°36	W13
T 14	5 51 15	27°50'56	25°25	16°55	1°52	13°28	2°22	8°10	12°15	27°14	19°47	24°D50	23°46	10°24	21°33	T 14
F 15	5 55 11	28°52'08	9♎30	17°32	3° 6	14° 9	2°27	8°11	12°18	27°13	19°48	24°50	23°43	10°30	21°31	F 15
S 16	5 59 8	29°53'20	23°39	17°59	4°19	14°51	2°32	8°12	12°21	27°13	19°49	24°R51	23°39	10°37	21°28	S 16
S 17	6 3 5	0♑54'33	7♏50	18°17	5°33	15°32	2°37	8°13	12°24	27°12	19°50	24°50	23°36	10°44	21°26	S 17
M18	6 7 1	1°55'46	22° 1	18°R24	6°46	16°13	2°42	8°15	12°26	27°11	19°51	24°47	23°33	10°50	21°23	M18
T 19	6 10 58	2°56'59	6♐ 9	18°20	8° 0	16°54	2°47	8°16	12°29	27°11	19°52	24°42	23°30	10°57	21°21	T 19
W20	6 14 54	3°58'12	20°11	18° 4	9°13	17°35	2°51	8°18	12°32	27°11	19°54	24°33	23°27	11° 4	21°19	W20
T 21	6 18 51	4°59'25	4♑ 1	17°36	10°26	18°17	2°55	8°20	12°35	27°10	19°55	24°22	23°24	11°10	21°17	T 21
F 22	6 22 47	6° 0'37	17°35	16°57	11°40	18°58	2°59	8°21	12°37	27°10	19°56	24°10	23°20	11°17	21°15	F 22
S 23	6 26 44	7° 1'49	0♒51	16° 6	12°53	19°39	3° 3	8°23	12°40	27° 9	19°57	23°57	23°17	11°24	21°13	S 23
S 24	6 30 40	8° 3'01	13°47	15° 6	14° 6	20°20	3° 7	8°25	12°42	27° 9	19°59	23°45	23°14	11°30	21°11	S 24
M25	6 34 37	9° 4'12	26°23	13°59	15°19	21° 2	3°11	8°27	12°45	27° 9	20° 0	23°36	23°11	11°37	21° 9	M25
T 26	6 38 34	10° 5'22	8♓40	12°45	16°32	21°43	3°14	8°30	12°47	27° 8	20° 1	23°29	23° 8	11°44	21° 7	T 26
W27	6 42 30	11° 6'31	20°43	11°27	17°45	22°24	3°17	8°32	12°50	27° 8	20° 3	23°25	23° 4	11°50	21° 5	W27
T 28	6 46 27	12° 7'40	2♈36	10° 8	18°58	23° 6	3°20	8°34	12°52	27° 8	20° 4	23°23	23° 1	11°57	21° 3	T 28
F 29	6 50 23	13° 8'47	14°24	8°51	20°10	23°47	3°23	8°37	12°54	27° 8	20° 6	23°D23	22°58	12° 3	21° 1	F 29
S 30	6 54 20	14° 9'54	26°13	7°37	21°23	24°28	3°26	8°39	12°56	27° 8	20° 7	23°R23	22°55	12°10	21° 0	S 30
S 31	6 58 16	15♑11'00	8♉ 7	6♑28	22♒36	25♓ 9	3♎29	8♈42	12♏59	27♈ 8	20♒ 8	23♈22	22♈52	12♈17	20♉58	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s40	1n 4	1s43	25s46	2s13	24s24	1s48	10s45	0s56	0n47	1n17	0n48	2s39	15s 3	0n22	8n50	1s54	26s14	11s51	10n 5	9n31	2n18	16n15	2s13
S 2	22 47	6 38	0 41	25 43	2 11	24 15	1 49	10 28	0 54	0 45	1 18	0 48	2 38	15 4	0 22	8 50	1 54	26 14	11 51	10 5	9 30	2 22	16 14	2 13
S 3	22 53	12 1	0n23	25 38	2 9	24 6	1 49	10 12	0 53	0 42	1 18	0 49	2 38	15 5	0 22	8 49	1 54	26 13	11 51	10 6	9 29	2 25	16 14	2 14
M 4	22 59	17 1	1 27	25 32	2 5	23 56	1 50	9 55	0 51	0 39	1 18	0 49	2 38	15 6	0 22	8 49	1 54	26 13	11 51	10 5	9 28	2 28	16 13	2 14
T 5	23 5	21 26	2 28	25 24	2 1	23 46	1 50	9 38	0 50	0 37	1 18	0 49	2 38	15 7	0 22	8 49	1 54	26 12	11 50	10 3	9 27	2 32	16 12	2 14
W 6	23 10	24 57	3 23	25 14	1 56	23 34	1 51	9 22	0 48	0 35	1 19	0 49	2 37	15 8	0 22	8 49	1 54	26 12	11 50	10 1	9 26	2 35	16 11	2 14
T 7	23 14	27 19	4 8	25 3	1 51	23 22	1 51	9 5	0 47	0 32	1 19	0 50	2 37	15 9	0 22	8 48	1 54	26 11	11 50	9 58	9 24	2 39	16 11	2 14
F 8	23 18	28 13	4 42	24 50	1 44	23 10	1 52	8 48	0 45	0 30	1 19	0 50	2 37	15 10	0 22	8 48	1 54	26 11	11 50	9 54	9 23	2 42	16 10	2 14
S 9	23 22	27 31	5 1	24 36	1 37	22 56	1 52	8 31	0 44	0 28	1 19	0 50	2 37	15 10	0 22	8 48	1 53	26 10	11 50	9 51	9 22	2 45	16 9	2 14
S 10	23 25	25 12	5 3	24 21	1 28	22 42	1 52	8 14	0 43	0 25	1 20	0 51	2 36	15 11	0 22	8 48	1 53	26 10	11 49	9 47	9 21	2 49	16 8	2 14
M11	23 28	21 25	4 49	24 5	1 18	22 27	1 52	7 57	0 41	0 23	1 20	0 51	2 36	15 12	0 22	8 47	1 53	26 9	11 49	9 44	9 20	2 52	16 8	2 14
T 12	23 30	16 26	4 17	23 48	1 8	22 12	1 52	7 40	0 40	0 21	1 20	0 52	2 36	15 13	0 22	8 47	1 53	26 8	11 49	9 42	9 19	2 56	16 7	2 14
W13	23 32	10 34	3 30	23 30	0 56	21 56	1 52	7 23	0 38	0 19	1 20	0 52	2 35	15 14	0 22	8 47	1 53	26 8	11 49	9 40	9 17	2 59	16 6	2 14
T 14	23 33	4 8	2 30	23 12	0 43	21 39	1 52	7 6	0 37	0 17	1 21	0 53	2 35	15 15	0 22	8 47	1 53	26 7	11 49	9 40	9 16	3 2	16 6	2 14
F 15	23 34	2s33	1 21	22 53	0 29	21 22	1 51	6 49	0 36	0 15	1 21	0 54	2 35	15 16	0 22	8 47	1 53	26 7	11 48	9 40	9 15	3 6	16 5	2 14
S 16	23 34	9 8	0 6	22 34	0 13	21 4	1 51	6 32	0 34	0 14	1 21	0 54	2 35	15 17	0 22	8 46	1 53	26 6	11 48	9 40	9 14	3 9	16 4	2 14
S 17	23 34	15 16	1s 9	22 15	0n 3	20 46	1 50	6 14	0 33	0 12	1 21	0 55	2 34	15 18	0 22	8 46	1 53	26 6	11 48	9 40	9 13	3 13	16 4	2 14
M18	23 33	20 36	2 19	21 57	0 21	20 27	1 50	5 57	0 32	0 10	1 22	0 56	2 34	15 18	0 22	8 46	1 53	26 5	11 48	9 39	9 11	3 16	16 3	2 14
T 19	23 32	24 45	3 21	21 40	0 39	20 7	1 49	5 40	0 31	0 8	1 22	0 57	2 34	15 19	0 22	8 46	1 53	26 5	11 48	9 37	9 10	3 19	16 3	2 14
W20	23 30	27 21	4 10	21 23	0 58	19 47	1 49	5 23	0 29	0 7	1 22	0 58	2 33	15 20	0 22	8 46	1 53	26 4	11 48	9 34	9 9	3 23	16 2	2 14
T 21	23 28	28 13	4 43	21 8	1 17	19 26	1 48	5 5	0 28	0 5	1 22	0 58	2 33	15 21	0 22	8 46	1 53	26 3	11 47	9 30	9 8	3 26	16 1	2 14
F 22	23 26	27 21	5 0	20 53	1 36	19 5	1 47	4 48	0 27	0 4	1 23	0 59	2 33	15 22	0 22	8 46	1 53	26 3	11 47	9 25	9 7	3 30	16 1	2 14
S 23	23 23	24 56	4 59	20 41	1 55	18 43	1 46	4 30	0 26	0 3	1 23	1 0	2 33	15 22	0 22	8 46	1 53	26 2	11 47	9 20	9 6	3 33	16 0	2 14
S 24	23 19	21 18	4 44	20 30	2 13	18 21	1 45	4 13	0 24	0 1	1 23	1 2	2 32	15 23	0 22	8 46	1 53	26 2	11 47	9 16	9 4	3 37	16 0	2 14
M25	23 15	16 46	4 14	20 20	2 30	17 59	1 44	3 56	0 23	0 0	1 23	1 3	2 32	15 24	0 22	8 46	1 53	26 1	11 47	9 13	9 3	3 40	15 59	2 14
T 26	23 11	11 39	3 34	20 12	2 46	17 35	1 42	3 38	0 22	0s 1	1 24	1 4	2 32	15 25	0 22	8 46	1 52	26 0	11 47	9 10	9 2	3 43	15 59	2 14
W27	23 6	6 12	2 44	20 6	2 59	17 12	1 41	3 21	0 21	0 2	1 24	1 5	2 31	15 25	0 22	8 46	1 52	26 0	11 46	9 9	9 1	3 47	15 58	2 14
T 28	23 0	0 36	1 48	20 1	3 10	16 47	1 39	3 3	0 19	0 3	1 24	1 6	2 31	15 26	0 22	8 46	1 52	25 59	11 46	9 8	9 0	3 50	15 58	2 14
F 29	22 55	4n59	0 48	19 58	3 18	16 23	1 38	2 46	0 18	0 4	1 25	1 7	2 31	15 27	0 22	8 46	1 52	25 59	11 46	9 8	8 58	3 54	15 58	2 14
S 30	22 48	10 24	0n15	19 56	3 24	15 58	1 36	2 28	0 17	0 5	1 25	1 9	2 31	15 27	0 22	8 46	1 52	25 58	11 46	9 8	8 57	3 57	15 57	2 13
S 31	22s42	15n30	1n17	19s56	3n28	15s33	1s35	2s11	0s16	0s 5	1n25	1n10	2s30	15s28	0n22	8n46	1s52	25s58	11s46	9n 8	8n56	4n 0	15n57	2s13

Julian Day Number = 2106730.5, Delta T = 20m18s
Ecliptic obliquity = 23°33'50, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°34'49, Lahiri = 10°41'49 Julian Calendar 1 Dec. 1055 == Greg. Calendar 7 Dec. 1055

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1056
geocentric

JANUARY 1056 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 2 13	16♉12'05	20♉14	5°R27	23♒48	25♓51	3♎31	8♈45	13♏ 1	27°R 8	20♒10	23°R20	22♈49	12♈23	20°R57	M 1
T 2	7 6 9	17°13'09	2♊36	4♉33	25° 1	26°32	3°33	8°48	13° 3	27°D 8	20°11	23♈15	22°45	12°30	20♉55	T 2
W 3	7 10 6	18°14'12	15°18	3°49	26°13	27°13	3°35	8°51	13° 5	27♈ 8	20°13	23° 7	22°42	12°37	20°54	W 3
T 4	7 14 3	19°15'14	28°21	3°13	27°26	27°54	3°37	8°54	13° 7	27° 8	20°14	22°56	22°39	12°43	20°52	T 4
F 5	7 17 59	20°16'16	11♋45	2°47	28°38	28°36	3°38	8°58	13° 9	27° 8	20°16	22°44	22°36	12°50	20°51	F 5
S 6	7 21 56	21°17'16	25°28	2°29	29°50	29°17	3°40	9° 1	13°11	27° 8	20°17	22°30	22°33	12°57	20°50	S 6
S 7	7 25 52	22°18'16	9♌27	2°21	1♓ 2	29°58	3°41	9° 4	13°13	27° 8	20°19	22°18	22°30	13° 3	20°49	S 7
M 8	7 29 49	23°19'14	23°37	2°D20	2°14	0♈39	3°42	9° 8	13°15	27° 8	20°20	22° 7	22°26	13°10	20°48	M 8
T 9	7 33 45	24°20'12	7♍52	2°27	3°26	1°21	3°43	9°11	13°17	27° 9	20°22	21°59	22°23	13°17	20°47	T 9
W10	7 37 42	25°21'09	22° 8	2°41	4°38	2° 2	3°44	9°15	13°18	27° 9	20°23	21°54	22°20	13°23	20°46	W10
T 11	7 41 39	26°22'05	6♎21	3° 2	5°50	2°43	3°44	9°19	13°20	27° 9	20°25	21°52	22°17	13°30	20°45	T 11
F 12	7 45 35	27°23'00	20°29	3°29	7° 1	3°24	3°44	9°23	13°22	27° 9	20°26	21°51	22°14	13°37	20°44	F 12
S 13	7 49 32	28°23'54	4♏32	4° 1	8°13	4° 5	3°R44	9°27	13°23	27°10	20°28	21°51	22°10	13°43	20°43	S 13
S 14	7 53 28	29°24'48	18°29	4°39	9°24	4°46	3°44	9°31	13°25	27°10	20°29	21°50	22° 7	13°50	20°43	S 14
M15	7 57 25	0♒25'41	2♐19	5°21	10°36	5°28	3°44	9°35	13°26	27°11	20°31	21°47	22° 4	13°56	20°42	M15
T 16	8 1 21	1°26'33	16° 2	6° 7	11°47	6° 9	3°43	9°40	13°28	27°11	20°33	21°41	22° 1	14° 3	20°42	T 16
W17	8 5 18	2°27'24	29°36	6°57	12°58	6°50	3°43	9°44	13°29	27°12	20°34	21°32	21°58	14°10	20°41	W17
T 18	8 9 14	3°28'14	13♑ 1	7°50	14° 9	7°31	3°42	9°48	13°31	27°12	20°36	21°21	21°55	14°16	20°41	T 18
F 19	8 13 11	4°29'03	26°13	8°47	15°20	8°12	3°41	9°53	13°32	27°13	20°38	21° 8	21°51	14°23	20°40	F 19
S 20	8 17 8	5°29'50	9♒11	9°46	16°31	8°53	3°40	9°58	13°33	27°13	20°39	20°54	21°48	14°30	20°40	S 20
S 21	8 21 4	6°30'36	21°53	10°49	17°42	9°34	3°38	10° 2	13°34	27°14	20°41	20°42	21°45	14°36	20°40	S 21
M22	8 25 1	7°31'20	4♓21	11°53	18°52	10°15	3°36	10° 7	13°35	27°15	20°42	20°32	21°42	14°43	20°40	M22
T 23	8 28 57	8°32'03	16°33	13° 0	20° 3	10°56	3°35	10°12	13°36	27°15	20°44	20°24	21°39	14°50	20°D40	T 23
W24	8 32 54	9°32'44	28°34	14° 9	21°13	11°37	3°33	10°17	13°37	27°16	20°46	20°19	21°36	14°56	20°40	W24
T 25	8 36 50	10°33'24	10♈26	15°20	22°23	12°18	3°30	10°22	13°38	27°17	20°47	20°17	21°32	15° 3	20°40	T 25
F 26	8 40 47	11°34'01	22°13	16°33	23°33	12°59	3°28	10°27	13°39	27°18	20°49	20°D16	21°29	15°10	20°40	F 26
S 27	8 44 43	12°34'37	4♉ 1	17°48	24°43	13°40	3°25	10°32	13°40	27°19	20°51	20°17	21°26	15°16	20°40	S 27
S 28	8 48 40	13°35'12	15°54	19° 4	25°53	14°21	3°23	10°37	13°41	27°19	20°52	20°R17	21°23	15°23	20°41	S 28
M29	8 52 37	14°35'44	28° 0	20°21	27° 2	15° 2	3°20	10°43	13°42	27°20	20°54	20°16	21°20	15°30	20°41	M29
T 30	8 56 33	15°36'15	10♊22	21°40	28°12	15°43	3°17	10°48	13°43	27°21	20°56	20°13	21°16	15°36	20°42	T 30
W31	9 0 30	16♒36'44	23♊ 5	23♑ 1	29♓21	16♈24	3♎13	10♈54	13♏43	27♈22	20♒57	20♈ 7	21♈13	15♈43	20♉42	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s35	20n 6	2n17	19s58	3n29	15s 7	1s33	1s53	0s15	0s 6	1n25	1n11	2s30	15s29	0n22	8n46	1s52	25s57	11s46	9n 7	8n55	4n 4	15n56	2s13
T 2	22 27	23 55	3 12	20 1	3 28	14 41	1 31	1 36	0 14	0 7	1 26	1 13	2 30	15 29	0 22	8 46	1 52	25 56	11 46	9 5	8 54	4 7	15 56	2 13
W 3	22 19	26 41	3 58	20 5	3 25	14 14	1 29	1 18	0 13	0 7	1 26	1 14	2 30	15 30	0 22	8 46	1 52	25 56	11 46	9 2	8 53	4 11	15 56	2 13
T 4	22 10	28 6	4 33	20 11	3 21	13 47	1 27	1 1	0 12	0 8	1 26	1 16	2 29	15 31	0 22	8 46	1 52	25 55	11 45	8 58	8 51	4 14	15 55	2 13
F 5	22 1	27 56	4 55	20 17	3 15	13 20	1 25	0 43	0 10	0 8	1 27	1 17	2 29	15 31	0 22	8 46	1 52	25 55	11 45	8 53	8 50	4 17	15 55	2 13
S 6	21 52	26 4	5 0	20 25	3 8	12 52	1 22	0 26	0 9	0 8	1 27	1 19	2 29	15 32	0 22	8 46	1 52	25 54	11 45	8 48	8 49	4 21	15 55	2 13
S 7	21 42	22 35	4 47	20 33	3 0	12 25	1 20	0 8	0 8	0 8	1 27	1 20	2 28	15 32	0 22	8 46	1 52	25 53	11 45	8 43	8 48	4 24	15 55	2 13
M 8	21 32	17 45	4 16	20 42	2 51	11 56	1 18	0n 9	0 7	0 9	1 27	1 22	2 28	15 33	0 22	8 46	1 52	25 53	11 45	8 39	8 47	4 28	15 54	2 13
T 9	21 22	11 54	3 30	20 51	2 41	11 28	1 15	0 26	0 6	0 9	1 28	1 24	2 28	15 34	0 22	8 46	1 52	25 52	11 45	8 36	8 45	4 31	15 54	2 13
W10	21 11	5 26	2 30	21 1	2 31	10 59	1 13	0 44	0 5	0 9	1 28	1 25	2 28	15 34	0 22	8 47	1 52	25 52	11 45	8 35	8 44	4 34	15 54	2 13
T 11	20 59	1s18	1 21	21 11	2 21	10 30	1 10	1 1	0 4	0 9	1 28	1 27	2 27	15 35	0 22	8 47	1 51	25 51	11 45	8 34	8 43	4 38	15 54	2 13
F 12	20 48	7 56	0 7	21 21	2 10	10 1	1 7	1 19	0 3	0 8	1 28	1 29	2 27	15 35	0 22	8 47	1 51	25 50	11 45	8 34	8 42	4 41	15 54	2 13
S 13	20 35	14 9	1s 7	21 31	1 59	9 32	1 4	1 36	0 2	0 8	1 29	1 31	2 27	15 35	0 22	8 47	1 51	25 50	11 45	8 34	8 41	4 45	15 53	2 13
S 14	20 23	19 35	2 16	21 40	1 49	9 2	1 1	1 53	0 1	0 8	1 29	1 33	2 27	15 36	0 22	8 47	1 51	25 49	11 45	8 33	8 40	4 48	15 53	2 13
M15	20 10	23 56	3 16	21 49	1 38	8 32	0 58	2 11	0 0	0 8	1 29	1 34	2 26	15 36	0 22	8 48	1 51	25 49	11 45	8 32	8 38	4 51	15 53	2 13
T 16	19 57	26 53	4 5	21 58	1 27	8 2	0 55	2 28	0n 1	0 7	1 30	1 36	2 26	15 37	0 22	8 48	1 51	25 48	11 44	8 30	8 37	4 55	15 53	2 13
W17	19 43	28 13	4 39	22 6	1 17	7 32	0 52	2 45	0 2	0 7	1 30	1 38	2 26	15 37	0 22	8 48	1 51	25 47	11 44	8 26	8 36	4 58	15 53	2 13
T 18	19 29	27 51	4 57	22 14	1 6	7 1	0 49	3 2	0 3	0 6	1 30	1 40	2 26	15 38	0 22	8 48	1 51	25 47	11 44	8 22	8 35	5 2	15 53	2 13
F 19	19 14	25 55	4 59	22 21	0 56	6 31	0 46	3 19	0 4	0 5	1 30	1 42	2 26	15 38	0 22	8 49	1 51	25 46	11 44	8 17	8 34	5 5	15 53	2 13
S 20	19 0	22 38	4 46	22 27	0 45	6 0	0 42	3 37	0 5	0 5	1 31	1 44	2 25	15 38	0 22	8 49	1 51	25 46	11 44	8 12	8 32	5 8	15 53	2 13
S 21	18 45	18 21	4 18	22 32	0 35	5 29	0 39	3 54	0 6	0 4	1 31	1 46	2 25	15 39	0 22	8 49	1 51	25 45	11 44	8 7	8 31	5 12	15 53	2 13
M22	18 29	13 21	3 38	22 36	0 26	4 58	0 35	4 11	0 6	0 3	1 31	1 48	2 25	15 39	0 22	8 49	1 51	25 45	11 44	8 3	8 30	5 15	15 53	2 12
T 23	18 13	7 55	2 49	22 40	0 16	4 27	0 32	4 28	0 7	0 2	1 31	1 51	2 25	15 39	0 22	8 50	1 51	25 44	11 44	8 1	8 29	5 18	15 53	2 12
W24	17 57	2 18	1 53	22 42	0 7	3 56	0 28	4 45	0 8	0 1	1 32	1 53	2 24	15 40	0 22	8 50	1 51	25 43	11 44	7 59	8 28	5 22	15 53	2 12
T 25	17 41	3n21	0 52	22 43	0s 2	3 24	0 24	5 2	0 9	0n 0	1 32	1 55	2 24	15 40	0 22	8 50	1 51	25 43	11 44	7 58	8 26	5 25	15 53	2 12
F 26	17 24	8 51	0n10	22 43	0 11	2 53	0 20	5 18	0 10	0 2	1 32	1 57	2 24	15 40	0 22	8 51	1 51	25 42	11 44	7 58	8 25	5 29	15 53	2 12
S 27	17 7	14 4	1 13	22 42	0 20	2 22	0 16	5 35	0 11	0 3	1 33	1 59	2 24	15 40	0 22	8 51	1 50	25 42	11 44	7 58	8 24	5 32	15 53	2 12
S 28	16 50	18 48	2 12	22 40	0 28	1 50	0 13	5 52	0 12	0 4	1 33	2 2	2 24	15 41	0 22	8 51	1 50	25 41	11 44	7 58	8 23	5 35	15 53	2 12
M29	16 32	22 51	3 7	22 36	0 36	1 19	0 8	6 9	0 13	0 6	1 33	2 4	2 23	15 41	0 22	8 52	1 50	25 41	11 44	7 58	8 22	5 39	15 54	2 12
T 30	16 14	25 59	3 54	22 32	0 44	0 47	0 4	6 25	0 13	0 7	1 33	2 6	2 23	15 41	0 22	8 52	1 50	25 40	11 44	7 56	8 20	5 42	15 54	2 12
W31	15s56	27n54	4n31	22s26	0s51	0s16	0s 0	6n42	0n14	0n 9	1n34	2n 9	2s23	15s41	0n22	8n53	1s50	25s40	11s44	7n54	8n19	5n46	15n54	2s12

Julian Day Number = 2106761.5, Delta T = 20m18s
Ecliptic obliquity = 23°33'50, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°34'53, Lahiri = 10°41'54 Julian Calendar 1 Jan. 1056 == Greg. Calendar 7 Jan. 1056

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1056
geocentric

FEBRUARY 1056 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 4 26	17♒37'10	6♋13	24♑23	0♈30	17♈ 5	3°R10	10♈59	13♏44	27♈23	20♒59	20°R 0	21♈10	15♈49	20♉43	T 1
F 2	9 8 23	18°37'35	19°47	25°46	1°39	17°46	3♎ 6	11° 5	13°44	27°24	21° 1	19♈50	21° 7	15°56	20°43	F 2
S 3	9 12 19	19°37'59	3♌45	27°10	2°48	18°27	3° 2	11°11	13°45	27°25	21° 2	19°40	21° 4	16° 3	20°44	S 3
S 4	9 16 16	20°38'20	18° 4	28°36	3°57	19° 7	2°58	11°16	13°45	27°26	21° 4	19°30	21° 1	16° 9	20°45	S 4
M 5	9 20 12	21°38'39	2♍39	0♒ 2	5° 5	19°48	2°54	11°22	13°46	27°28	21° 6	19°22	20°57	16°16	20°46	M 5
T 6	9 24 9	22°38'57	17°21	1°30	6°13	20°29	2°50	11°28	13°46	27°29	21° 7	19°16	20°54	16°23	20°47	T 6
W 7	9 28 6	23°39'13	2♎ 3	2°59	7°21	21°10	2°45	11°34	13°46	27°30	21° 9	19°12	20°51	16°29	20°48	W 7
T 8	9 32 2	24°39'28	16°40	4°29	8°29	21°50	2°41	11°40	13°46	27°31	21°11	19°D11	20°48	16°36	20°49	T 8
F 9	9 35 59	25°39'41	1♏ 6	6° 0	9°37	22°31	2°36	11°46	13°47	27°32	21°12	19°11	20°45	16°43	20°50	F 9
S 10	9 39 55	26°39'52	15°18	7°33	10°44	23°12	2°31	11°52	13°47	27°34	21°14	19°12	20°42	16°49	20°51	S 10
S 11	9 43 52	27°40'02	29°15	9° 6	11°51	23°52	2°26	11°58	13°R47	27°35	21°16	19°R12	20°38	16°56	20°52	S 11
M12	9 47 48	28°40'10	12♐57	10°41	12°59	24°33	2°21	12° 5	13°47	27°36	21°17	19°11	20°35	17° 3	20°54	M12
T 13	9 51 45	29°40'17	26°26	12°16	14° 5	25°14	2°15	12°11	13°47	27°38	21°19	19° 8	20°32	17° 9	20°55	T 13
W14	9 55 41	0♓40'23	9♑40	13°53	15°12	25°54	2°10	12°17	13°47	27°39	21°21	19° 3	20°29	17°16	20°57	W14
T 15	9 59 38	1°40'26	22°42	15°30	16°18	26°35	2° 4	12°24	13°46	27°40	21°22	18°56	20°26	17°23	20°58	T 15
F 16	10 3 35	2°40'28	5♒31	17° 9	17°25	27°15	1°58	12°30	13°46	27°42	21°24	18°47	20°22	17°29	21° 0	F 16
S 17	10 7 31	3°40'28	18° 8	18°49	18°30	27°56	1°52	12°37	13°46	27°43	21°26	18°39	20°19	17°36	21° 2	S 17
S 18	10 11 28	4°40'26	0♓33	20°30	19°36	28°36	1°46	12°43	13°46	27°45	21°27	18°31	20°16	17°42	21° 3	S 18
M19	10 15 24	5°40'22	12°47	22°12	20°42	29°17	1°40	12°50	13°45	27°46	21°29	18°24	20°13	17°49	21° 5	M19
T 20	10 19 21	6°40'16	24°51	23°56	21°47	29°57	1°34	12°57	13°45	27°48	21°31	18°19	20°10	17°56	21° 7	T 20
W21	10 23 17	7°40'07	6♈46	25°40	22°52	0♉38	1°27	13° 3	13°44	27°50	21°32	18°17	20° 7	18° 2	21° 9	W21
T 22	10 27 14	8°39'57	18°35	27°26	23°56	1°18	1°21	13°10	13°44	27°51	21°34	18°D16	20° 3	18° 9	21°11	T 22
F 23	10 31 10	9°39'45	0♉22	29°13	25° 1	1°59	1°14	13°17	13°43	27°53	21°36	18°16	20° 0	18°16	21°13	F 23
S 24	10 35 7	10°39'30	12° 9	1♓ 1	26° 5	2°39	1° 7	13°24	13°43	27°54	21°37	18°18	19°57	18°22	21°15	S 24
S 25	10 39 4	11°39'13	24° 2	2°50	27° 8	3°19	1° 0	13°31	13°42	27°56	21°39	18°20	19°54	18°29	21°17	S 25
M26	10 43 0	12°38'54	6♊ 6	4°40	28°12	4° 0	0°53	13°38	13°41	27°58	21°40	18°21	19°51	18°36	21°19	M26
T 27	10 46 57	13°38'32	18°26	6°32	29°15	4°40	0°46	13°45	13°40	27°59	21°42	18°R21	19°48	18°42	21°22	T 27
W28	10 50 53	14°38'09	1♋ 6	8°25	0♉18	5°20	0°39	13°52	13°39	28° 1	21°43	18°20	19°44	18°49	21°24	W28
T 29	10 54 50	15♓37'42	14♋11	10♓19	1♉20	6♉ 1	0♎32	13♈59	13♏39	28♈ 3	21♒45	18♈17	19♈41	18♈56	21♉26	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s38	28n20	4n56	22s19	0s59	0n16	0n 4	6n58	0n15	0n10	1n34	2n11	2s23	15s41	0n22	8n53	1s50	25s39	11s44	7n51	8n18	5n49	15n54	2s12
F 2	15 19	27 7	5 4	22 10	1 5	0 47	0 8	7 15	0 16	0 12	1 34	2 13	2 23	15 42	0 22	8 54	1 50	25 38	11 44	7 48	8 17	5 52	15 54	2 12
S 3	15 0	24 11	4 55	22 1	1 12	1 19	0 13	7 31	0 17	0 14	1 34	2 16	2 22	15 42	0 22	8 54	1 50	25 38	11 44	7 44	8 16	5 56	15 55	2 12
S 4	14 41	19 44	4 28	21 49	1 18	1 50	0 17	7 48	0 17	0 15	1 34	2 18	2 22	15 42	0 22	8 54	1 50	25 37	11 44	7 40	8 14	5 59	15 55	2 12
M 5	14 22	14 2	3 42	21 37	1 24	2 21	0 21	8 4	0 18	0 17	1 35	2 21	2 22	15 42	0 22	8 55	1 50	25 37	11 44	7 37	8 13	6 2	15 55	2 12
T 6	14 2	7 30	2 42	21 23	1 30	2 53	0 26	8 20	0 19	0 19	1 35	2 23	2 22	15 42	0 22	8 55	1 50	25 36	11 44	7 35	8 12	6 6	15 56	2 12
W 7	13 42	0 34	1 31	21 8	1 35	3 24	0 30	8 36	0 20	0 21	1 35	2 26	2 22	15 42	0 22	8 56	1 50	25 36	11 44	7 33	8 11	6 9	15 56	2 12
T 8	13 22	6s23	0 14	20 51	1 40	3 55	0 35	8 52	0 21	0 23	1 35	2 28	2 21	15 42	0 22	8 56	1 50	25 35	11 44	7 33	8 10	6 13	15 56	2 12
F 9	13 2	12 54	1s 4	20 33	1 44	4 26	0 40	9 8	0 21	0 25	1 36	2 31	2 21	15 42	0 22	8 57	1 50	25 35	11 45	7 33	8 8	6 16	15 57	2 11
S 10	12 41	18 40	2 16	20 14	1 49	4 57	0 44	9 24	0 22	0 28	1 36	2 33	2 21	15 42	0 22	8 57	1 50	25 34	11 45	7 33	8 7	6 19	15 57	2 11
S 11	12 21	23 19	3 18	19 53	1 53	5 28	0 49	9 40	0 23	0 30	1 36	2 36	2 21	15 42	0 22	8 58	1 50	25 34	11 45	7 33	8 6	6 23	15 57	2 11
M12	12 0	26 35	4 9	19 31	1 56	5 58	0 54	9 55	0 23	0 32	1 36	2 38	2 21	15 42	0 22	8 58	1 50	25 33	11 45	7 33	8 5	6 26	15 58	2 11
T 13	11 39	28 15	4 44	19 7	1 59	6 29	0 58	10 11	0 24	0 34	1 36	2 41	2 21	15 42	0 22	8 59	1 49	25 33	11 45	7 32	8 4	6 29	15 58	2 11
W14	11 18	28 15	5 3	18 42	2 2	6 59	1 3	10 27	0 25	0 37	1 37	2 44	2 20	15 42	0 22	8 59	1 49	25 32	11 45	7 30	8 2	6 33	15 59	2 11
T 15	10 56	26 41	5 7	18 15	2 4	7 29	1 8	10 42	0 26	0 39	1 37	2 46	2 20	15 42	0 22	9 0	1 49	25 32	11 45	7 27	8 1	6 36	15 59	2 11
F 16	10 34	23 45	4 55	17 47	2 6	7 59	1 13	10 57	0 26	0 42	1 37	2 49	2 20	15 42	0 22	9 1	1 49	25 31	11 45	7 24	8 0	6 40	16 0	2 11
S 17	10 13	19 43	4 28	17 17	2 8	8 29	1 18	11 13	0 27	0 44	1 37	2 52	2 20	15 42	0 22	9 1	1 49	25 31	11 45	7 21	7 59	6 43	16 0	2 11
S 18	9 51	14 54	3 49	16 46	2 9	8 59	1 23	11 28	0 28	0 47	1 37	2 54	2 20	15 42	0 22	9 2	1 49	25 30	11 45	7 18	7 58	6 46	16 1	2 11
M19	9 29	9 34	3 0	16 13	2 10	9 28	1 28	11 43	0 28	0 49	1 38	2 57	2 20	15 42	0 22	9 2	1 49	25 30	11 45	7 15	7 56	6 50	16 1	2 11
T 20	9 7	3 57	2 4	15 39	2 10	9 58	1 33	11 58	0 29	0 52	1 38	3 0	2 19	15 42	0 22	9 3	1 49	25 30	11 46	7 13	7 55	6 53	16 2	2 11
W21	8 44	1n45	1 2	15 4	2 10	10 27	1 38	12 13	0 30	0 55	1 38	3 3	2 19	15 41	0 22	9 3	1 49	25 29	11 46	7 12	7 54	6 56	16 2	2 11
T 22	8 22	7 21	0n 2	14 27	2 9	10 55	1 43	12 28	0 30	0 58	1 38	3 5	2 19	15 41	0 22	9 4	1 49	25 29	11 46	7 12	7 53	7 0	16 3	2 11
F 23	7 59	12 41	1 5	13 48	2 8	11 24	1 48	12 42	0 31	1 0	1 38	3 8	2 19	15 41	0 22	9 5	1 49	25 28	11 46	7 12	7 52	7 3	16 3	2 11
S 24	7 37	17 34	2 7	13 8	2 6	11 52	1 53	12 57	0 32	1 3	1 38	3 11	2 19	15 41	0 22	9 5	1 49	25 28	11 46	7 13	7 50	7 6	16 4	2 11
S 25	7 14	21 50	3 3	12 27	2 4	12 20	1 58	13 11	0 32	1 6	1 38	3 14	2 19	15 41	0 22	9 6	1 49	25 27	11 46	7 13	7 49	7 10	16 4	2 11
M26	6 51	25 15	3 52	11 44	2 2	12 48	2 3	13 26	0 33	1 9	1 39	3 17	2 19	15 40	0 22	9 7	1 49	25 27	11 46	7 14	7 48	7 13	16 5	2 11
T 27	6 28	27 34	4 31	11 0	1 58	13 15	2 8	13 40	0 33	1 12	1 39	3 20	2 19	15 40	0 22	9 7	1 49	25 27	11 46	7 14	7 47	7 16	16 6	2 11
W28	6 5	28 32	4 59	10 14	1 55	13 42	2 13	13 54	0 34	1 15	1 39	3 22	2 18	15 40	0 22	9 8	1 49	25 26	11 47	7 13	7 46	7 20	16 6	2 10
T 29	5s42	27n58	5n12	9s27	1s51	14n 9	2n18	14n 8	0n35	1n18	1n39	3n25	2s18	15s40	0n22	9n 9	1s49	25s26	11s47	7n12	7n44	7n23	16n 7	2s10

Julian Day Number = 2106792.5, Delta T = 20m18s
Ecliptic obliquity = 23°33'50, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°34'58, Lahiri = 10°41'58 Julian Calendar 1 Feb. 1056 == Greg. Calendar 7 Feb. 1056

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1056
geocentric

MARCH 1056 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 58 46	16♓37'14	27♋43	12♓14	2♉22	6♉41	0°R25	14♈ 6	13°R38	28♈ 5	21♒47	18°R13	19♈38	19♈ 2	21♉29	F 1
S 2	11 2 43	17°36'43	11♌42	14°10	3°24	7°21	0♎17	14°13	13♏37	28° 7	21°48	18♈ 8	19°35	19° 9	21°31	S 2
S 3	11 6 39	18°36'10	26° 7	16° 8	4°26	8° 1	0°10	14°20	13°36	28° 8	21°50	18° 4	19°32	19°15	21°34	S 3
M 4	11 10 36	19°35'35	10♍53	18° 6	5°26	8°41	0° 3	14°28	13°35	28°10	21°51	18° 0	19°28	19°22	21°37	M 4
T 5	11 14 32	20°34'57	25°53	20° 6	6°27	9°21	29♍55	14°35	13°33	28°12	21°53	17°57	19°25	19°29	21°39	T 5
W 6	11 18 29	21°34'17	10♎57	22° 7	7°27	10° 2	29°48	14°42	13°32	28°14	21°54	17°D56	19°22	19°35	21°42	W 6
T 7	11 22 26	22°33'36	25°57	24° 8	8°27	10°42	29°40	14°49	13°31	28°16	21°56	17°56	19°19	19°42	21°45	T 7
F 8	11 26 22	23°32'52	10♏45	26°10	9°26	11°22	29°32	14°57	13°30	28°18	21°57	17°57	19°16	19°49	21°48	F 8
S 9	11 30 19	24°32'07	25°15	28°13	10°25	12° 2	29°25	15° 4	13°28	28°20	21°59	17°59	19°13	19°55	21°51	S 9
S 10	11 34 15	25°31'20	9♐25	0♈16	11°23	12°42	29°17	15°12	13°27	28°22	22° 0	18° 0	19° 9	20° 2	21°54	S 10
M11	11 38 12	26°30'31	23°13	2°19	12°21	13°22	29° 9	15°19	13°26	28°24	22° 2	18°R 0	19° 6	20° 9	21°57	M11
T 12	11 42 8	27°29'41	6♑39	4°22	13°19	14° 2	29° 2	15°26	13°24	28°26	22° 3	18° 0	19° 3	20°15	22° 0	T 12
W13	11 46 5	28°28'48	19°45	6°25	14°16	14°41	28°54	15°34	13°23	28°28	22° 4	17°59	19° 0	20°22	22° 3	W13
T 14	11 50 1	29°27'54	2♒34	8°27	15°12	15°21	28°46	15°41	13°21	28°30	22° 6	17°57	18°57	20°29	22° 6	T 14
F 15	11 53 58	0♈26'58	15° 7	10°28	16° 8	16° 1	28°38	15°49	13°20	28°32	22° 7	17°55	18°53	20°35	22° 9	F 15
S 16	11 57 55	1°26'00	27°28	12°28	17° 3	16°41	28°31	15°56	13°18	28°34	22° 8	17°52	18°50	20°42	22°12	S 16
S 17	12 1 51	2°25'00	9♓37	14°26	17°58	17°21	28°23	16° 4	13°16	28°36	22°10	17°50	18°47	20°48	22°16	S 17
M18	12 5 48	3°23'58	21°38	16°22	18°52	18° 1	28°15	16°12	13°15	28°38	22°11	17°48	18°44	20°55	22°19	M18
T 19	12 9 44	4°22'54	3♈33	18°16	19°46	18°40	28° 8	16°19	13°13	28°40	22°12	17°46	18°41	21° 2	22°22	T 19
W20	12 13 41	5°21'48	15°22	20° 7	20°39	19°20	28° 0	16°27	13°11	28°42	22°14	17°D46	18°38	21° 8	22°26	W20
T 21	12 17 37	6°20'40	27° 9	21°55	21°31	20° 0	27°52	16°34	13° 9	28°44	22°15	17°46	18°34	21°15	22°29	T 21
F 22	12 21 34	7°19'29	8♉56	23°39	22°23	20°40	27°45	16°42	13° 7	28°46	22°16	17°47	18°31	21°22	22°33	F 22
S 23	12 25 30	8°18'17	20°46	25°20	23°14	21°19	27°37	16°50	13° 6	28°48	22°18	17°48	18°28	21°28	22°36	S 23
S 24	12 29 27	9°17'02	2♊42	26°56	24° 4	21°59	27°30	16°57	13° 4	28°50	22°19	17°49	18°25	21°35	22°40	S 24
M25	12 33 24	10°15'46	14°48	28°28	24°53	22°39	27°22	17° 5	13° 2	28°53	22°20	17°49	18°22	21°42	22°44	M25
T 26	12 37 20	11°14'27	27° 8	29°56	25°42	23°18	27°15	17°13	13° 0	28°55	22°21	17°50	18°19	21°48	22°47	T 26
W27	12 41 17	12°13'05	9♋45	1♉19	26°29	23°58	27° 8	17°20	12°58	28°57	22°22	17°R50	18°15	21°55	22°51	W27
T 28	12 45 13	13°11'42	22°45	2°37	27°16	24°37	27° 1	17°28	12°56	28°59	22°24	17°50	18°12	22° 2	22°55	T 28
F 29	12 49 10	14°10'16	6♌ 9	3°50	28° 2	25°17	26°54	17°36	12°54	29° 1	22°25	17°50	18° 9	22° 8	22°59	F 29
S 30	12 53 6	15° 8'48	20° 0	4°58	28°47	25°56	26°46	17°43	12°52	29° 4	22°26	17°50	18° 6	22°15	23° 2	S 30
S 31	12 57 3	16♈ 7'18	4♍18	6♉ 0	29♉31	26♉36	26♍40	17♈51	12♏49	29♈ 6	22♒27	17♈49	18♈ 3	22♈22	23♉ 6	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	5s18	25n46	5n 9	8s38	1s46	14n35	2n23	14n22	0n35	1n21	1n39	3n28	2s18	15s39	0n22	9n 9	1s49	25s25	11s47	7n11	7n43	7n27	16n 8	2s10	F 1
S 2	4 55	21 57	4 47	7 48	1 41	15 1	2 28	14 36	0 36	1 24	1 39	3 31	2 18	15 39	0 22	9 10	1 49	25 25	11 47	7 9	7 42	7 30	16 8	2 10	S 2
S 3	4 32	16 44	4 7	6 57	1 35	15 27	2 33	14 50	0 36	1 27	1 39	3 34	2 18	15 39	0 22	9 11	1 49	25 25	11 47	7 7	7 41	7 33	16 9	2 10	S 3
M 4	4 8	10 26	3 10	6 5	1 29	15 53	2 38	15 3	0 37	1 30	1 39	3 37	2 18	15 38	0 22	9 11	1 49	25 24	11 47	7 6	7 40	7 37	16 10	2 10	M 4
T 5	3 45	3 27	1 58	5 12	1 22	16 18	2 43	15 17	0 37	1 33	1 39	3 40	2 18	15 38	0 22	9 12	1 49	25 24	11 48	7 5	7 38	7 40	16 11	2 10	T 5
W 6	3 22	3s46	0 38	4 17	1 14	16 42	2 47	15 30	0 38	1 36	1 39	3 43	2 18	15 38	0 22	9 13	1 48	25 24	11 48	7 4	7 37	7 43	16 11	2 10	W 6
T 7	2 58	10 45	0s44	3 21	1 6	17 7	2 52	15 43	0 39	1 39	1 39	3 45	2 18	15 37	0 22	9 13	1 48	25 23	11 48	7 4	7 36	7 47	16 12	2 10	T 7
F 8	2 34	17 4	2 2	2 25	0 58	17 30	2 57	15 56	0 39	1 42	1 39	3 48	2 17	15 37	0 22	9 14	1 48	25 23	11 48	7 5	7 35	7 50	16 13	2 10	F 8
S 9	2 11	22 16	3 11	1 28	0 49	17 54	3 2	16 9	0 40	1 45	1 40	3 51	2 17	15 36	0 22	9 15	1 48	25 23	11 48	7 5	7 33	7 53	16 14	2 10	S 9
S 10	1 47	26 3	4 7	0 30	0 40	18 17	3 7	16 22	0 40	1 48	1 40	3 54	2 17	15 36	0 22	9 16	1 48	25 22	11 49	7 6	7 32	7 57	16 14	2 10	S 10
M11	1 24	28 10	4 47	0n28	0 30	18 40	3 12	16 35	0 41	1 52	1 40	3 57	2 17	15 36	0 22	9 16	1 48	25 22	11 49	7 6	7 31	8 0	16 15	2 10	M11
T 12	1 0	28 33	5 9	1 27	0 19	19 2	3 16	16 47	0 41	1 55	1 40	4 0	2 17	15 35	0 22	9 17	1 48	25 22	11 49	7 6	7 30	8 3	16 16	2 10	T 12
W13	0 36	27 18	5 15	2 26	0 9	19 24	3 21	17 0	0 42	1 58	1 40	4 3	2 17	15 35	0 22	9 18	1 48	25 21	11 49	7 5	7 29	8 7	16 17	2 10	W13
T 14	0 13	24 38	5 5	3 24	0n 2	19 45	3 25	17 12	0 42	2 1	1 40	4 6	2 17	15 34	0 23	9 19	1 48	25 21	11 49	7 5	7 27	8 10	16 18	2 10	T 14
F 15	0n11	20 51	4 41	4 23	0 14	20 6	3 30	17 24	0 43	2 4	1 40	4 9	2 17	15 34	0 23	9 19	1 48	25 21	11 50	7 4	7 26	8 13	16 19	2 10	F 15
S 16	0 34	16 13	4 4	5 20	0 25	20 26	3 35	17 36	0 43	2 7	1 40	4 12	2 17	15 33	0 23	9 20	1 48	25 21	11 50	7 3	7 25	8 17	16 19	2 10	S 16
S 17	0 58	11 1	3 16	6 17	0 37	20 46	3 39	17 48	0 44	2 10	1 40	4 15	2 17	15 33	0 23	9 21	1 48	25 20	11 50	7 2	7 24	8 20	16 20	2 10	S 17
M18	1 21	5 28	2 20	7 13	0 48	21 6	3 43	18 0	0 44	2 13	1 40	4 18	2 17	15 32	0 23	9 22	1 48	25 20	11 50	7 1	7 23	8 23	16 21	2 10	M18
T 19	1 45	0n13	1 18	8 7	1 0	21 25	3 48	18 11	0 45	2 16	1 40	4 21	2 17	15 32	0 23	9 22	1 48	25 20	11 51	7 1	7 21	8 27	16 22	2 10	T 19
W20	2 8	5 53	0 13	9 0	1 11	21 44	3 52	18 23	0 45	2 19	1 40	4 24	2 17	15 31	0 23	9 23	1 48	25 20	11 51	7 0	7 20	8 30	16 23	2 10	W20
T 21	2 32	11 19	0n52	9 51	1 23	22 2	3 56	18 34	0 46	2 22	1 40	4 27	2 17	15 31	0 23	9 24	1 48	25 20	11 51	7 0	7 19	8 33	16 24	2 10	T 21
F 22	2 55	16 22	1 55	10 41	1 34	22 19	4 0	18 45	0 46	2 25	1 39	4 30	2 17	15 30	0 23	9 25	1 48	25 19	11 51	7 1	7 18	8 37	16 25	2 10	F 22
S 23	3 19	20 49	2 53	11 28	1 44	22 36	4 4	18 56	0 46	2 28	1 39	4 33	2 16	15 30	0 23	9 25	1 48	25 19	11 52	7 1	7 17	8 40	16 26	2 10	S 23
S 24	3 42	24 29	3 45	12 12	1 54	22 53	4 8	19 7	0 47	2 31	1 39	4 36	2 16	15 29	0 23	9 26	1 48	25 19	11 52	7 1	7 15	8 43	16 26	2 10	S 24
M25	4 5	27 6	4 27	12 55	2 4	23 9	4 11	19 17	0 47	2 34	1 39	4 39	2 16	15 28	0 23	9 27	1 48	25 19	11 52	7 2	7 14	8 47	16 27	2 10	M25
T 26	4 28	28 29	4 57	13 35	2 13	23 25	4 15	19 28	0 48	2 37	1 39	4 42	2 16	15 28	0 23	9 28	1 48	25 19	11 52	7 2	7 13	8 50	16 28	2 10	T 26
W27	4 51	28 26	5 15	14 12	2 21	23 40	4 19	19 38	0 48	2 40	1 39	4 45	2 16	15 27	0 23	9 29	1 48	25 18	11 53	7 2	7 12	8 53	16 29	2 10	W27
T 28	5 14	26 50	5 17	14 46	2 29	23 54	4 22	19 49	0 49	2 42	1 39	4 48	2 16	15 27	0 23	9 29	1 48	25 18	11 53	7 2	7 10	8 56	16 30	2 10	T 28
F 29	5 37	23 42	5 2	15 18	2 35	24 8	4 25	19 59	0 49	2 45	1 39	4 51	2 16	15 26	0 23	9 30	1 48	25 18	11 53	7 2	7 9	9 0	16 31	2 10	F 29
S 30	6 0	19 8	4 29	15 46	2 41	24 21	4 28	20 9	0 49	2 48	1 39	4 53	2 16	15 25	0 23	9 31	1 48	25 18	11 53	7 2	7 8	9 3	16 32	2 10	S 30
S 31	6n22	13n23	3n39	16n12	2n46	24n34	4n31	20n18	0n50	2n51	1n39	4n56	2s16	15s25	0n23	9n32	1s48	25s18	11s54	7n 2	7n 7	9n 6	16n33	2s10	S 31

Julian Day Number = 2106821.5, Delta T = 20m17s
Ecliptic obliquity = 23°33'51, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°35'02, Lahiri = 10°42'02 Julian Calendar 1 March 1056 == Greg. Calendar 7 March 1056

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1056
geocentric

APRIL 1056 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 0 59	17♈ 5'45	18♍59	6♉58	0♊15	27♉15	26°R33	17♈59	12°R47	29♈ 8	22♒28	17°R49	17♈59	22♈28	23♉10	M 1
T 2	13 4 56	18° 4'10	4♎ 0	7°49	0°57	27°55	26♍26	18° 6	12♏45	29°10	22°29	17°D49	17°56	22°35	23°14	T 2
W 3	13 8 53	19° 2'34	19°11	8°35	1°38	28°34	26°19	18°14	12°43	29°12	22°30	17°R49	17°53	22°41	23°18	W 3
T 4	13 12 49	20° 0'55	4♏23	9°16	2°17	29°13	26°13	18°22	12°41	29°15	22°31	17♈49	17°50	22°48	23°22	T 4
F 5	13 16 46	20°59'15	19°27	9°50	2°56	29°53	26° 6	18°30	12°38	29°17	22°32	17°49	17°47	22°55	23°26	F 5
S 6	13 20 42	21°57'33	4♐15	10°19	3°34	0♊32	26° 0	18°37	12°36	29°19	22°33	17°49	17°44	23° 1	23°30	S 6
S 7	13 24 39	22°55'49	18°41	10°43	4°10	1°11	25°54	18°45	12°34	29°21	22°34	17°48	17°40	23° 8	23°34	S 7
M 8	13 28 35	23°54'04	2♑40	11° 0	4°45	1°51	25°47	18°53	12°32	29°24	22°35	17°48	17°37	23°15	23°38	M 8
T 9	13 32 32	24°52'18	16°13	11°12	5°18	2°30	25°41	19° 0	12°29	29°26	22°36	17°47	17°34	23°21	23°42	T 9
W10	13 36 28	25°50'30	29°21	11°19	5°51	3° 9	25°35	19° 8	12°27	29°28	22°37	17°D47	17°31	23°28	23°47	W10
T 11	13 40 25	26°48'40	12♒ 6	11°R20	6°21	3°48	25°30	19°16	12°24	29°30	22°38	17°47	17°28	23°35	23°51	T 11
F 12	13 44 22	27°46'49	24°32	11°16	6°51	4°28	25°24	19°23	12°22	29°33	22°39	17°48	17°25	23°41	23°55	F 12
S 13	13 48 18	28°44'56	6♓43	11° 6	7°18	5° 7	25°19	19°31	12°20	29°35	22°40	17°49	17°21	23°48	23°59	S 13
S 14	13 52 15	29°43'02	18°43	10°53	7°45	5°46	25°13	19°39	12°17	29°37	22°40	17°50	17°18	23°55	24° 4	S 14
M15	13 56 11	0♉41'06	0♈36	10°34	8° 9	6°25	25° 8	19°46	12°15	29°39	22°41	17°51	17°15	24° 1	24° 8	M15
T 16	14 0 8	1°39'08	12°24	10°12	8°32	7° 4	25° 3	19°54	12°12	29°42	22°42	17°R52	17°12	24° 8	24°12	T 16
W17	14 4 4	2°37'09	24°11	9°45	8°53	7°43	24°58	20° 1	12°10	29°44	22°43	17°52	17° 9	24°14	24°17	W17
T 18	14 8 1	3°35'09	5♉58	9°16	9°12	8°22	24°53	20° 9	12° 7	29°46	22°43	17°51	17° 5	24°21	24°21	T 18
F 19	14 11 57	4°33'06	17°49	8°44	9°29	9° 1	24°49	20°16	12° 5	29°48	22°44	17°49	17° 2	24°28	24°25	F 19
S 20	14 15 54	5°31'03	29°45	8°11	9°44	9°41	24°44	20°24	12° 3	29°51	22°45	17°47	16°59	24°34	24°30	S 20
S 21	14 19 51	6°28'57	11♊49	7°35	9°57	10°20	24°40	20°32	12° 0	29°53	22°46	17°44	16°56	24°41	24°34	S 21
M22	14 23 47	7°26'50	24° 2	7° 0	10° 9	10°59	24°36	20°39	11°58	29°55	22°46	17°41	16°53	24°48	24°39	M22
T 23	14 27 44	8°24'41	6♋28	6°23	10°18	11°38	24°32	20°47	11°55	29°57	22°47	17°38	16°50	24°54	24°43	T 23
W24	14 31 40	9°22'30	19° 9	5°48	10°24	12°16	24°28	20°54	11°53	29°59	22°47	17°36	16°46	25° 1	24°48	W24
T 25	14 35 37	10°20'18	2♌ 7	5°14	10°29	12°55	24°24	21° 1	11°50	0♉ 2	22°48	17°35	16°43	25° 8	24°52	T 25
F 26	14 39 33	11°18'04	15°26	4°41	10°R31	13°34	24°21	21° 9	11°48	0° 4	22°48	17°D35	16°40	25°14	24°57	F 26
S 27	14 43 30	12°15'48	29° 7	4°10	10°31	14°13	24°18	21°16	11°45	0° 6	22°49	17°36	16°37	25°21	25° 1	S 27
S 28	14 47 26	13°13'30	13♍12	3°42	10°28	14°52	24°15	21°24	11°43	0° 9	22°49	17°37	16°34	25°28	25° 6	S 28
M29	14 51 23	14°11'11	27°39	3°18	10°23	15°31	24°12	21°31	11°40	0°11	22°50	17°38	16°30	25°34	25°10	M29
T 30	14 55 20	15♉ 8'50	12♎26	2♉57	10♊16	16♊10	24♍ 9	21♈38	11♏38	0♉13	22♒50	17°R39	16♈27	25♈41	25♉15	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	6n45	6n44	2n34	16n35	2n50	24n46	4n34	20n28	0n50	2n53	1n39	4n59	2s16	15s24	0n23	9n33	1s48	25s18	11s54	7n 2	7n 6	9n10	16n34	2s10
T 2	7 7	0s26	1 16	16 55	2 53	24 58	4 37	20 37	0 51	2 56	1 39	5 2	2 16	15 23	0 23	9 33	1 48	25 18	11 54	7 2	7 4	9 13	16 35	2 10
W 3	7 30	7 40	0s 8	17 12	2 55	25 9	4 40	20 46	0 51	2 58	1 38	5 5	2 16	15 23	0 23	9 34	1 48	25 18	11 54	7 2	7 3	9 16	16 36	2 10
T 4	7 52	14 28	1 31	17 26	2 56	25 20	4 42	20 56	0 51	3 1	1 38	5 8	2 16	15 22	0 23	9 35	1 48	25 17	11 55	7 2	7 2	9 20	16 37	2 10
F 5	8 14	20 22	2 47	17 37	2 55	25 30	4 44	21 4	0 52	3 3	1 38	5 11	2 16	15 21	0 23	9 36	1 48	25 17	11 55	7 2	7 1	9 23	16 38	2 10
S 6	8 36	24 53	3 51	17 45	2 54	25 39	4 46	21 13	0 52	3 6	1 38	5 14	2 16	15 21	0 23	9 37	1 48	25 17	11 55	7 1	6 59	9 26	16 39	2 10
S 7	8 58	27 41	4 38	17 49	2 51	25 48	4 48	21 22	0 53	3 8	1 38	5 17	2 16	15 20	0 23	9 37	1 48	25 17	11 56	7 1	6 58	9 30	16 40	2 10
M 8	9 19	28 39	5 7	17 51	2 47	25 56	4 50	21 30	0 53	3 10	1 38	5 20	2 16	15 19	0 23	9 38	1 48	25 17	11 56	7 1	6 57	9 33	16 41	2 10
T 9	9 41	27 49	5 17	17 50	2 42	26 4	4 51	21 38	0 53	3 13	1 38	5 23	2 16	15 18	0 23	9 39	1 48	25 17	11 56	7 1	6 56	9 36	16 42	2 10
W10	10 2	25 28	5 11	17 46	2 36	26 11	4 52	21 46	0 54	3 15	1 37	5 26	2 16	15 18	0 23	9 40	1 48	25 17	11 57	7 1	6 55	9 39	16 43	2 10
T 11	10 23	21 53	4 50	17 39	2 28	26 17	4 53	21 54	0 54	3 17	1 37	5 29	2 16	15 17	0 23	9 41	1 48	25 17	11 57	7 1	6 53	9 43	16 44	2 10
F 12	10 44	17 25	4 15	17 29	2 19	26 23	4 54	22 2	0 54	3 19	1 37	5 31	2 16	15 16	0 23	9 41	1 48	25 17	11 57	7 1	6 52	9 46	16 45	2 10
S 13	11 5	12 19	3 29	17 17	2 9	26 28	4 54	22 10	0 55	3 21	1 37	5 34	2 16	15 16	0 23	9 42	1 48	25 17	11 57	7 2	6 51	9 49	16 46	2 10
S 14	11 26	6 51	2 35	17 2	1 58	26 33	4 54	22 17	0 55	3 23	1 37	5 37	2 16	15 15	0 23	9 43	1 48	25 17	11 58	7 2	6 50	9 53	16 47	2 10
M15	11 46	1 12	1 34	16 44	1 45	26 37	4 54	22 24	0 55	3 25	1 37	5 40	2 16	15 14	0 23	9 44	1 48	25 17	11 58	7 2	6 48	9 56	16 48	2 10
T 16	12 7	4n28	0 30	16 24	1 32	26 40	4 54	22 31	0 56	3 27	1 36	5 43	2 16	15 13	0 23	9 45	1 48	25 17	11 58	7 3	6 47	9 59	16 49	2 10
W17	12 27	9 58	0n35	16 2	1 17	26 43	4 53	22 38	0 56	3 29	1 36	5 46	2 16	15 13	0 23	9 45	1 48	25 17	11 59	7 3	6 46	10 2	16 50	2 10
T 18	12 47	15 8	1 39	15 38	1 2	26 45	4 52	22 45	0 56	3 30	1 36	5 49	2 17	15 12	0 23	9 46	1 48	25 17	11 59	7 2	6 45	10 6	16 51	2 10
F 19	13 6	19 46	2 38	15 13	0 46	26 46	4 50	22 51	0 57	3 32	1 36	5 51	2 17	15 11	0 23	9 47	1 48	25 17	11 59	7 2	6 44	10 9	16 52	2 10
S 20	13 26	23 39	3 31	14 46	0 29	26 47	4 49	22 57	0 57	3 34	1 36	5 54	2 17	15 10	0 23	9 48	1 48	25 17	12 0	7 1	6 42	10 12	16 53	2 10
S 21	13 45	26 33	4 16	14 18	0 12	26 47	4 46	23 3	0 57	3 35	1 35	5 57	2 17	15 10	0 22	9 48	1 48	25 18	12 0	7 0	6 41	10 15	16 54	2 10
M22	14 4	28 14	4 49	13 50	0s 5	26 46	4 44	23 9	0 58	3 37	1 35	6 0	2 17	15 9	0 22	9 49	1 48	25 18	12 0	6 59	6 40	10 19	16 55	2 10
T 23	14 23	28 33	5 9	13 22	0 23	26 44	4 41	23 15	0 58	3 38	1 35	6 2	2 17	15 8	0 22	9 50	1 48	25 18	12 1	6 57	6 39	10 22	16 56	2 10
W24	14 41	27 23	5 15	12 54	0 40	26 42	4 38	23 21	0 58	3 39	1 35	6 5	2 17	15 7	0 22	9 51	1 48	25 18	12 1	6 57	6 37	10 25	16 57	2 10
T 25	15 0	24 44	5 5	12 26	0 57	26 39	4 34	23 26	0 58	3 41	1 34	6 8	2 17	15 6	0 22	9 52	1 48	25 18	12 1	6 56	6 36	10 29	16 58	2 10
F 26	15 18	20 44	4 39	12 0	1 14	26 35	4 30	23 31	0 59	3 42	1 34	6 11	2 17	15 6	0 22	9 52	1 48	25 18	12 2	6 56	6 35	10 32	16 59	2 11
S 27	15 36	15 31	3 56	11 34	1 30	26 30	4 25	23 36	0 59	3 43	1 34	6 13	2 17	15 5	0 22	9 53	1 48	25 18	12 2	6 56	6 34	10 35	17 0	2 11
S 28	15 53	9 23	2 58	11 10	1 45	26 25	4 20	23 41	0 59	3 44	1 34	6 16	2 17	15 4	0 22	9 54	1 48	25 18	12 2	6 57	6 33	10 38	17 1	2 11
M29	16 11	2 35	1 48	10 48	2 0	26 18	4 14	23 45	1 0	3 45	1 33	6 19	2 17	15 3	0 22	9 55	1 48	25 19	12 3	6 57	6 31	10 42	17 3	2 11
T 30	16n28	4s30	0n29	10n28	2s14	26n11	4n 8	23n50	1n 0	3n46	1n33	6n21	2s17	15s 3	0n22	9n55	1s48	25s19	12s 3	6n58	6n30	10n45	17n 4	2s11

Julian Day Number = 2106852.5, Delta T = 20m17s
Ecliptic obliquity = 23°33'51, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°35'06, Lahiri = 10°42'06 Julian Calendar 1 Apr. 1056 == Greg. Calendar 7 Apr. 1056

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1056
geocentric

MAY 1056 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 59 16	16♉ 6'27	27♎28	2°R39	10°R 6	16♊49	24°R 6	21♈45	11°R35	0♉15	22♒51	17°R39	16♈24	25♈48	25♉19	W 1
T 2	15 3 13	17° 4'03	12♏36	2♉26	9♊54	17°27	24♍ 4	21°53	11♏33	0°17	22°51	17♈37	16°21	25°54	25°24	T 2
F 3	15 7 9	18° 1'38	27°42	2°17	9°39	18° 6	24° 2	22° 0	11°30	0°19	22°52	17°34	16°18	26° 1	25°28	F 3
S 4	15 11 6	18°59'12	12♐36	2°12	9°22	18°45	24° 0	22° 7	11°28	0°22	22°52	17°30	16°15	26° 7	25°33	S 4
S 5	15 15 2	19°56'45	27°11	2°D12	9° 2	19°24	23°58	22°14	11°25	0°24	22°52	17°26	16°11	26°14	25°38	S 5
M 6	15 18 59	20°54'17	11♑20	2°16	8°41	20° 2	23°56	22°21	11°23	0°26	22°53	17°21	16° 8	26°21	25°42	M 6
T 7	15 22 55	21°51'47	25° 1	2°25	8°17	20°41	23°54	22°28	11°20	0°28	22°53	17°18	16° 5	26°27	25°47	T 7
W 8	15 26 52	22°49'17	8♒14	2°38	7°51	21°20	23°53	22°35	11°18	0°30	22°53	17°15	16° 2	26°34	25°51	W 8
T 9	15 30 49	23°46'46	21° 1	2°56	7°23	21°58	23°52	22°42	11°15	0°32	22°53	17°D14	15°59	26°41	25°56	T 9
F 10	15 34 45	24°44'14	3♓27	3°18	6°53	22°37	23°51	22°49	11°13	0°34	22°54	17°14	15°56	26°47	26° 1	F 10
S 11	15 38 42	25°41'41	15°36	3°45	6°22	23°16	23°50	22°56	11°10	0°37	22°54	17°16	15°52	26°54	26° 5	S 11
S 12	15 42 38	26°39'08	27°32	4°15	5°49	23°54	23°49	23° 3	11° 8	0°39	22°54	17°17	15°49	27° 1	26°10	S 12
M13	15 46 35	27°36'33	9♈21	4°50	5°15	24°33	23°49	23°10	11° 6	0°41	22°54	17°18	15°46	27° 7	26°15	M13
T 14	15 50 31	28°33'58	21° 8	5°29	4°39	25°11	23°49	23°17	11° 3	0°43	22°54	17°R19	15°43	27°14	26°19	T 14
W15	15 54 28	29°31'22	2♉55	6°12	4° 3	25°50	23°D49	23°24	11° 1	0°45	22°54	17°17	15°40	27°21	26°24	W15
T 16	15 58 24	0♊28'45	14°46	6°58	3°26	26°29	23°49	23°30	10°59	0°47	22°54	17°14	15°36	27°27	26°28	T 16
F 17	16 2 21	1°26'08	26°44	7°49	2°49	27° 7	23°49	23°37	10°56	0°49	22°54	17° 9	15°33	27°34	26°33	F 17
S 18	16 6 18	2°23'30	8♊50	8°43	2°11	27°46	23°49	23°44	10°54	0°51	22°R54	17° 2	15°30	27°41	26°38	S 18
S 19	16 10 14	3°20'51	21° 6	9°40	1°34	28°24	23°50	23°50	10°52	0°53	22°54	16°54	15°27	27°47	26°42	S 19
M20	16 14 11	4°18'11	3♋33	10°42	0°56	29° 3	23°51	23°57	10°50	0°55	22°54	16°45	15°24	27°54	26°47	M20
T 21	16 18 7	5°15'30	16°12	11°46	0°19	29°41	23°52	24° 3	10°47	0°57	22°54	16°37	15°21	28° 0	26°52	T 21
W22	16 22 4	6°12'48	29° 4	12°54	29♉43	0♋20	23°53	24°10	10°45	0°59	22°54	16°31	15°17	28° 7	26°56	W22
T 23	16 26 0	7°10'06	12♌ 9	14° 5	29° 8	0°58	23°54	24°16	10°43	1° 1	22°54	16°26	15°14	28°14	27° 1	T 23
F 24	16 29 57	8° 7'22	25°30	15°20	28°34	1°37	23°56	24°22	10°41	1° 2	22°54	16°23	15°11	28°20	27° 5	F 24
S 25	16 33 53	9° 4'37	9♍ 7	16°37	28° 2	2°15	23°58	24°28	10°39	1° 4	22°54	16°D22	15° 8	28°27	27°10	S 25
S 26	16 37 50	10° 1'52	23° 2	17°58	27°31	2°53	23°59	24°35	10°37	1° 6	22°53	16°23	15° 5	28°34	27°14	S 26
M27	16 41 47	10°59'05	7♎15	19°22	27° 1	3°32	24° 1	24°41	10°35	1° 8	22°53	16°24	15° 2	28°40	27°19	M27
T 28	16 45 43	11°56'18	21°44	20°49	26°34	4°10	24° 4	24°47	10°33	1°10	22°53	16°R24	14°58	28°47	27°24	T 28
W29	16 49 40	12°53'30	6♏26	22°19	26° 8	4°49	24° 6	24°53	10°31	1°12	22°53	16°22	14°55	28°54	27°28	W29
T 30	16 53 36	13°50'41	21°17	23°52	25°45	5°27	24° 9	24°59	10°29	1°13	22°52	16°19	14°52	29° 0	27°33	T 30
F 31	16 57 33	14♊47'52	6♐ 9	25♉29	25♉24	6♋ 5	24♍11	25♈ 5	10♏27	1♉15	22♒52	16♈12	14♈49	29♈ 7	27♉37	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	16n45	11s28	0s54	10n 9	2s27	26n 3	4n 1	23n54	1n 0	3n47	1n33	6n24	2s17	15s 2	0n22	9n56	1s48	25s19	12s 3	6n58	6n29	10n48	17n 5	2s11	
T 2	17 1	17 48	2 13	9 54	2 39	25 54	3 54	23 58	1 0	3 47	1 33	6 27	2 17	15 1	0 22	9 57	1 48	25 19	12 4	6 57	6 28	10 51	17 6	2 11	
F 3	17 17	23 2	3 22	9 40	2 50	25 44	3 46	24 2	1 1	3 48	1 33	6 29	2 18	15 0	0 22	9 58	1 48	25 19	12 4	6 56	6 26	10 55	17 7	2 11	
S 4	17 33	26 40	4 17	9 29	3 0	25 33	3 37	24 6	1 1	3 49	1 32	6 32	2 18	15 0	0 22	9 58	1 48	25 19	12 4	6 54	6 25	10 58	17 8	2 11	
S 5	17 49	28 25	4 53	9 21	3 9	25 21	3 28	24 9	1 1	3 49	1 32	6 34	2 18	14 59	0 22	9 59	1 48	25 20	12 5	6 53	6 24	11 1	17 9	2 11	
M 6	18 4	28 14	5 11	9 15	3 16	25 8	3 19	24 12	1 1	3 50	1 32	6 37	2 18	14 58	0 22	10 0	1 48	25 20	12 5	6 51	6 23	11 4	17 10	2 11	
T 7	18 20	26 19	5 10	9 12	3 23	24 55	3 9	24 15	1 2	3 50	1 32	6 39	2 18	14 57	0 22	10 1	1 48	25 20	12 5	6 49	6 22	11 7	17 11	2 11	
W 8	18 34	23 0	4 52	9 11	3 29	24 40	2 58	24 18	1 2	3 50	1 31	6 42	2 18	14 57	0 22	10 1	1 48	25 20	12 6	6 49	6 20	11 11	17 12	2 11	
T 9	18 49	18 40	4 20	9 13	3 33	24 24	2 47	24 21	1 2	3 50	1 31	6 44	2 18	14 56	0 22	10 2	1 48	25 21	12 6	6 48	6 19	11 14	17 13	2 11	
F 10	19 3	13 39	3 37	9 17	3 37	24 8	2 36	24 24	1 2	3 51	1 31	6 47	2 18	14 55	0 22	10 3	1 48	25 21	12 6	6 48	6 18	11 17	17 14	2 12	
S 11	19 17	8 14	2 44	9 23	3 39	23 51	2 24	24 26	1 2	3 51	1 31	6 49	2 18	14 54	0 22	10 3	1 48	25 21	12 7	6 49	6 17	11 20	17 15	2 12	
S 12	19 31	2 36	1 46	9 32	3 41	23 33	2 12	24 28	1 3	3 51	1 30	6 52	2 18	14 54	0 22	10 4	1 48	25 21	12 7	6 49	6 15	11 24	17 16	2 12	
M13	19 44	3n 4	0 43	9 43	3 42	23 14	1 59	24 30	1 3	3 51	1 30	6 54	2 19	14 53	0 22	10 5	1 48	25 22	12 8	6 50	6 14	11 27	17 17	2 12	
T 14	19 57	8 36	0n21	9 56	3 41	22 55	1 46	24 32	1 3	3 51	1 30	6 57	2 19	14 52	0 22	10 6	1 48	25 22	12 8	6 50	6 13	11 30	17 18	2 12	
W15	20 9	13 51	1 24	10 11	3 40	22 35	1 32	24 33	1 3	3 50	1 29	6 59	2 19	14 52	0 22	10 6	1 48	25 22	12 8	6 49	6 12	11 33	17 19	2 12	
T 16	20 21	18 38	2 23	10 28	3 38	22 14	1 19	24 34	1 3	3 50	1 29	7 1	2 19	14 51	0 22	10 7	1 48	25 22	12 9	6 48	6 10	11 36	17 20	2 12	
F 17	20 33	22 43	3 17	10 47	3 36	21 54	1 5	24 36	1 4	3 50	1 29	7 4	2 19	14 50	0 22	10 8	1 48	25 23	12 9	6 46	6 9	11 40	17 21	2 12	
S 18	20 45	25 53	4 2	11 8	3 32	21 32	0 51	24 37	1 4	3 49	1 29	7 6	2 19	14 49	0 22	10 8	1 48	25 23	12 9	6 43	6 8	11 43	17 22	2 12	
S 19	20 56	27 52	4 37	11 30	3 28	21 11	0 37	24 37	1 4	3 49	1 28	7 8	2 19	14 49	0 22	10 9	1 48	25 23	12 10	6 40	6 7	11 46	17 22	2 12	
M20	21 7	28 30	4 59	11 54	3 23	20 49	0 23	24 38	1 4	3 48	1 28	7 11	2 19	14 48	0 22	10 10	1 48	25 24	12 10	6 37	6 6	11 49	17 23	2 12	
T 21	21 17	27 39	5 7	12 19	3 17	20 28	0 9	24 38	1 4	3 48	1 28	7 13	2 20	14 47	0 22	10 10	1 48	25 24	12 10	6 34	6 4	11 53	17 24	2 13	
W22	21 27	25 20	5 0	12 45	3 11	20 7	0s 5	24 38	1 5	3 47	1 28	7 15	2 20	14 47	0 22	10 11	1 48	25 24	12 11	6 31	6 3	11 56	17 25	2 13	
T 23	21 37	21 40	4 37	13 13	3 4	19 45	0 19	24 38	1 5	3 46	1 27	7 17	2 20	14 46	0 22	10 12	1 48	25 25	12 11	6 30	6 2	11 59	17 26	2 13	
F 24	21 47	16 50	3 59	13 42	2 57	19 25	0 33	24 38	1 5	3 45	1 27	7 19	2 20	14 45	0 22	10 12	1 48	25 25	12 11	6 29	6 1	12 2	17 27	2 13	
S 25	21 56	11 4	3 7	14 12	2 49	19 4	0 47	24 38	1 5	3 44	1 27	7 22	2 20	14 45	0 22	10 13	1 48	25 26	12 12	6 28	5 59	12 5	17 28	2 13	
S 26	22 4	4 39	2 2	14 42	2 40	18 44	1 0	24 37	1 5	3 43	1 27	7 24	2 20	14 44	0 22	10 13	1 49	25 26	12 12	6 28	5 58	12 9	17 29	2 13	
M27	22 12	2s 8	0 49	15 14	2 31	18 25	1 13	24 36	1 5	3 42	1 26	7 26	2 21	14 43	0 22	10 14	1 49	25 26	12 12	6 29	5 57	12 12	17 30	2 13	
T 28	22 20	8 57	0s29	15 46	2 22	18 6	1 25	24 35	1 6	3 41	1 26	7 28	2 21	14 43	0 22	10 15	1 49	25 27	12 13	6 29	5 56	12 15	17 31	2 13	
W29	22 28	15 24	1 45	16 19	2 12	17 49	1 37	24 34	1 6	3 40	1 26	7 30	2 21	14 42	0 22	10 15	1 49	25 27	12 13	6 28	5 54	12 18	17 32	2 14	
T 30	22 35	21 0	2 56	16 52	2 2	17 32	1 49	24 33	1 6	3 39	1 26	7 32	2 21	14 42	0 22	10 16	1 49	25 28	12 13	6 27	5 53	12 21	17 33	2 14	
F 31	22n42	25s17	3s54	17n26	1s51	17n16	2s 1	24n31	1n 6	3n37	1n25	7n34	2s21	14s41	0n22	10n16	1s49	25s28	12s14	6n24	5n52	12n24	17n34	2s14	

Julian Day Number = 2106882.5, Delta T = 20m17s
Ecliptic obliquity = 23°33'50, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°35'10, Lahiri = 10°42'10 Julian Calendar 1 May 1056 == Greg. Calendar 7 May 1056

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1056
geocentric

JUNE 1056 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 1 29	15♊45'03	20♐54	27♉ 8	25°R 5	6♋44	24♍14	25♈11	10°R25	1♉17	22°R52	16°R 4	14♈46	29♈14	27♉42	S 1
S 2	17 5 26	16°42'13	5♑24	28°50	24♉48	7°22	24°17	25°16	10♏23	1°19	22♒51	15♈55	14°42	29°20	27°46	S 2
M 3	17 9 23	17°39'23	19°32	0♊35	24°34	8° 0	24°21	25°22	10°21	1°20	22°51	15°46	14°39	29°27	27°50	M 3
T 4	17 13 19	18°36'32	3♒15	2°23	24°22	8°39	24°24	25°28	10°19	1°22	22°51	15°38	14°36	29°34	27°55	T 4
W 5	17 17 16	19°33'42	16°31	4°14	24°12	9°17	24°28	25°33	10°18	1°24	22°50	15°31	14°33	29°40	27°59	W 5
T 6	17 21 12	20°30'52	29°21	6° 7	24° 5	9°55	24°31	25°39	10°16	1°25	22°50	15°27	14°30	29°47	28° 4	T 6
F 7	17 25 9	21°28'01	11♓49	8° 3	24° 1	10°34	24°35	25°44	10°14	1°27	22°49	15°25	14°27	29°54	28° 8	F 7
S 8	17 29 5	22°25'11	23°58	10° 1	23°D58	11°12	24°39	25°50	10°13	1°28	22°49	15°D25	14°23	0♉ 0	28°12	S 8
S 9	17 33 2	23°22'20	5♈55	12° 2	23°59	11°50	24°43	25°55	10°11	1°30	22°48	15°25	14°20	0° 7	28°17	S 9
M10	17 36 58	24°19'30	17°45	14° 5	24° 1	12°28	24°48	26° 0	10° 9	1°32	22°48	15°R25	14°17	0°13	28°21	M10
T 11	17 40 55	25°16'40	29°32	16° 9	24° 6	13° 7	24°52	26° 6	10° 8	1°33	22°47	15°24	14°14	0°20	28°25	T 11
W12	17 44 52	26°13'50	11♉21	18°16	24°12	13°45	24°57	26°11	10° 6	1°35	22°47	15°21	14°11	0°27	28°30	W12
T 13	17 48 48	27°11'01	23°18	20°23	24°22	14°23	25° 2	26°16	10° 5	1°36	22°46	15°16	14° 8	0°33	28°34	T 13
F 14	17 52 45	28° 8'12	5♊24	22°32	24°33	15° 1	25° 7	26°21	10° 4	1°37	22°45	15° 8	14° 4	0°40	28°38	F 14
S 15	17 56 41	29° 5'22	17°42	24°41	24°46	15°40	25°12	26°26	10° 2	1°39	22°45	14°57	14° 1	0°47	28°42	S 15
S 16	18 0 38	0♋ 2'33	0♋14	26°51	25° 1	16°18	25°17	26°30	10° 1	1°40	22°44	14°46	13°58	0°53	28°46	S 16
M17	18 4 34	0°59'45	12°59	29° 1	25°18	16°56	25°23	26°35	10° 0	1°42	22°43	14°33	13°55	1° 0	28°51	M17
T 18	18 8 31	1°56'56	25°57	1♋11	25°37	17°34	25°28	26°40	9°58	1°43	22°43	14°21	13°52	1° 7	28°55	T 18
W19	18 12 27	2°54'07	9♌ 7	3°20	25°58	18°12	25°34	26°44	9°57	1°44	22°42	14°11	13°48	1°13	28°59	W19
T 20	18 16 24	3°51'18	22°29	5°29	26°20	18°51	25°40	26°49	9°56	1°45	22°41	14° 3	13°45	1°20	29° 3	T 20
F 21	18 20 21	4°48'29	6♍ 2	7°38	26°44	19°29	25°46	26°53	9°55	1°47	22°40	13°59	13°42	1°27	29° 7	F 21
S 22	18 24 17	5°45'41	19°45	9°45	27°10	20° 7	25°52	26°58	9°54	1°48	22°40	13°56	13°39	1°33	29°11	S 22
S 23	18 28 14	6°42'52	3♎38	11°51	27°37	20°45	25°59	27° 2	9°53	1°49	22°39	13°55	13°36	1°40	29°15	S 23
M24	18 32 10	7°40'03	17°43	13°55	28° 6	21°23	26° 5	27° 6	9°52	1°50	22°38	13°55	13°33	1°47	29°19	M24
T 25	18 36 7	8°37'14	1♏57	15°59	28°36	22° 1	26°12	27°10	9°51	1°51	22°37	13°55	13°29	1°53	29°23	T 25
W26	18 40 3	9°34'26	16°19	18° 0	29° 8	22°40	26°18	27°14	9°50	1°53	22°36	13°52	13°26	2° 0	29°26	W26
T 27	18 44 0	10°31'38	0♐47	20° 0	29°41	23°18	26°25	27°18	9°49	1°54	22°36	13°47	13°23	2° 7	29°30	T 27
F 28	18 47 56	11°28'50	15°16	21°59	0♊15	23°56	26°32	27°22	9°49	1°55	22°35	13°39	13°20	2°13	29°34	F 28
S 29	18 51 53	12°26'02	29°40	23°56	0°51	24°34	26°39	27°26	9°48	1°56	22°34	13°29	13°17	2°20	29°38	S 29
S 30	18 55 50	13♋23'15	13♑52	25♋51	1♊28	25♋12	26♍46	27♈29	9♏47	1♉57	22♒33	13♈18	13♈14	2♉27	29♉42	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n48	27s50	4s36	17n59	1s41	17n 0	2s11	24n30	1n 6	3n36	1n25	7n36	2s21	14s40	0n22	10n17	1s49	25s28	12s14	6n21	5n51	12n28	17n34	2s14
S 2	22 54	28 26	4 59	18 33	1 29	16 46	2 22	24 28	1 6	3 35	1 25	7 38	2 22	14 40	0 22	10 17	1 49	25 29	12 14	6 18	5 50	12 31	17 35	2 14
M 3	22 59	27 8	5 4	19 6	1 18	16 33	2 32	24 26	1 6	3 33	1 24	7 40	2 22	14 39	0 22	10 18	1 49	25 29	12 15	6 14	5 48	12 34	17 36	2 14
T 4	23 4	24 14	4 50	19 40	1 6	16 21	2 41	24 23	1 7	3 31	1 24	7 42	2 22	14 39	0 22	10 19	1 49	25 30	12 15	6 11	5 47	12 37	17 37	2 14
W 5	23 9	20 7	4 21	20 12	0 55	16 10	2 50	24 21	1 7	3 30	1 24	7 44	2 22	14 38	0 22	10 19	1 49	25 30	12 15	6 8	5 46	12 40	17 38	2 14
T 6	23 13	15 11	3 40	20 44	0 43	16 0	2 59	24 18	1 7	3 28	1 24	7 45	2 22	14 38	0 22	10 20	1 49	25 31	12 16	6 7	5 45	12 43	17 39	2 15
F 7	23 17	9 46	2 49	21 15	0 32	15 51	3 7	24 15	1 7	3 26	1 23	7 47	2 22	14 37	0 22	10 20	1 49	25 31	12 16	6 6	5 43	12 47	17 40	2 15
S 8	23 21	4 7	1 52	21 44	0 20	15 43	3 14	24 12	1 7	3 24	1 23	7 49	2 23	14 37	0 22	10 21	1 49	25 32	12 16	6 6	5 42	12 50	17 40	2 15
S 9	23 24	1n35	0 50	22 13	0 8	15 36	3 22	24 9	1 7	3 22	1 23	7 51	2 23	14 36	0 22	10 21	1 49	25 32	12 17	6 6	5 41	12 53	17 41	2 15
M10	23 26	7 11	0n12	22 39	0n 3	15 31	3 28	24 6	1 7	3 21	1 23	7 53	2 23	14 36	0 22	10 22	1 49	25 32	12 17	6 6	5 40	12 56	17 42	2 15
T 11	23 29	12 31	1 14	23 4	0 14	15 26	3 34	24 2	1 7	3 18	1 22	7 54	2 23	14 35	0 22	10 22	1 49	25 33	12 17	6 6	5 38	12 59	17 43	2 15
W12	23 31	17 26	2 13	23 27	0 24	15 22	3 40	23 58	1 8	3 16	1 22	7 56	2 23	14 35	0 22	10 23	1 49	25 33	12 17	6 5	5 37	13 2	17 44	2 16
T 13	23 32	21 42	3 7	23 47	0 35	15 19	3 46	23 54	1 8	3 14	1 22	7 58	2 24	14 34	0 22	10 23	1 49	25 34	12 18	6 2	5 36	13 6	17 44	2 16
F 14	23 33	25 8	3 53	24 5	0 44	15 17	3 51	23 50	1 8	3 12	1 22	7 59	2 24	14 34	0 22	10 23	1 49	25 34	12 18	5 59	5 35	13 9	17 45	2 16
S 15	23 34	27 26	4 28	24 21	0 53	15 15	3 55	23 46	1 8	3 10	1 21	8 1	2 24	14 34	0 22	10 24	1 49	25 35	12 18	5 55	5 33	13 12	17 46	2 16
S 16	23 34	28 25	4 52	24 34	1 2	15 15	3 59	23 41	1 8	3 7	1 21	8 2	2 24	14 33	0 22	10 24	1 49	25 35	12 19	5 51	5 32	13 15	17 47	2 16
M17	23 34	27 55	5 1	24 44	1 10	15 15	4 3	23 37	1 8	3 5	1 21	8 4	2 24	14 33	0 22	10 25	1 50	25 36	12 19	5 46	5 31	13 18	17 47	2 16
T 18	23 33	25 54	4 55	24 51	1 17	15 16	4 6	23 32	1 8	3 3	1 21	8 5	2 25	14 32	0 22	10 25	1 50	25 36	12 19	5 41	5 30	13 21	17 48	2 17
W19	23 32	22 27	4 33	24 55	1 24	15 18	4 10	23 27	1 8	3 0	1 21	8 7	2 25	14 32	0 21	10 26	1 50	25 37	12 19	5 37	5 29	13 24	17 49	2 17
T 20	23 30	17 49	3 57	24 57	1 30	15 21	4 12	23 21	1 8	2 57	1 20	8 8	2 25	14 32	0 21	10 26	1 50	25 37	12 20	5 34	5 27	13 27	17 49	2 17
F 21	23 29	12 14	3 6	24 55	1 35	15 24	4 15	23 16	1 8	2 55	1 20	8 9	2 25	14 31	0 21	10 26	1 50	25 38	12 20	5 32	5 26	13 31	17 50	2 17
S 22	23 26	5 59	2 4	24 51	1 39	15 28	4 17	23 11	1 8	2 52	1 20	8 11	2 26	14 31	0 21	10 27	1 50	25 38	12 20	5 31	5 25	13 34	17 51	2 17
S 23	23 24	0s38	0 54	24 45	1 43	15 32	4 19	23 5	1 9	2 49	1 20	8 12	2 26	14 31	0 21	10 27	1 50	25 39	12 21	5 31	5 24	13 37	17 51	2 17
M24	23 20	7 18	0s20	24 35	1 46	15 37	4 20	22 59	1 9	2 47	1 19	8 13	2 26	14 31	0 21	10 27	1 50	25 40	12 21	5 31	5 22	13 40	17 52	2 18
T 25	23 17	13 41	1 34	24 23	1 48	15 42	4 21	22 53	1 9	2 44	1 19	8 15	2 26	14 30	0 21	10 28	1 50	25 40	12 21	5 31	5 21	13 43	17 53	2 18
W26	23 13	19 24	2 42	24 9	1 50	15 48	4 22	22 47	1 9	2 41	1 19	8 16	2 26	14 30	0 21	10 28	1 50	25 41	12 21	5 30	5 20	13 46	17 53	2 18
T 27	23 9	24 1	3 41	23 53	1 50	15 54	4 23	22 40	1 9	2 38	1 19	8 17	2 27	14 30	0 21	10 28	1 50	25 41	12 22	5 28	5 19	13 49	17 54	2 18
F 28	23 4	27 8	4 25	23 35	1 50	16 1	4 24	22 34	1 9	2 35	1 18	8 18	2 27	14 30	0 21	10 29	1 50	25 42	12 22	5 25	5 17	13 52	17 55	2 18
S 29	22 59	28 26	4 52	23 14	1 50	16 8	4 24	22 27	1 9	2 32	1 18	8 19	2 27	14 29	0 21	10 29	1 50	25 42	12 22	5 21	5 16	13 55	17 55	2 19
S 30	22n53	27s49	5s 0	22n52	1n49	16n15	4s24	22n20	1n 9	2n29	1n18	8n20	2s27	14s29	0n21	10n29	1s50	25s43	12s22	5n17	5n15	13n59	17n56	2s19

Julian Day Number = 2106913.5, Delta T = 20m16s
Ecliptic obliquity = 23°33'50, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°35'14, Lahiri = 10°42'15 Julian Calendar 1 June 1056 == Greg. Calendar 7 June 1056

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1056
geocentric

JULY 1056 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 59 46	14♋20'29	27♑48	27♋44	2♊ 6	25♋50	26♍54	27♈33	9°R47	1♉58	22°R32	13°R 6	13♈10	2♉33	29♉45	M 1
T 2	19 3 43	15°17'43	11♒22	29°36	2°45	26°28	27° 1	27°36	9♏46	1°59	22♒31	12♈56	13° 7	2°40	29°49	T 2
W 3	19 7 39	16°14'58	24°33	1♌25	3°25	27° 7	27° 9	27°40	9°45	1°59	22°30	12°47	13° 4	2°47	29°52	W 3
T 4	19 11 36	17°12'13	7♓21	3°13	4° 6	27°45	27°17	27°43	9°45	2° 0	22°29	12°41	13° 1	2°53	29°56	T 4
F 5	19 15 32	18° 9'30	19°49	5° 0	4°48	28°23	27°25	27°46	9°45	2° 1	22°28	12°37	12°58	3° 0	29°59	F 5
S 6	19 19 29	19° 6'47	1♈59	6°44	5°32	29° 1	27°33	27°49	9°44	2° 2	22°27	12°36	12°54	3° 6	0♊ 3	S 6
S 7	19 23 25	20° 4'06	13°56	8°27	6°16	29°39	27°41	27°52	9°44	2° 3	22°26	12°35	12°51	3°13	0° 6	S 7
M 8	19 27 22	21° 1'25	25°47	10° 8	7° 1	0♌17	27°49	27°55	9°44	2° 4	22°25	12°35	12°48	3°20	0°10	M 8
T 9	19 31 19	21°58'46	7♉36	11°48	7°47	0°55	27°57	27°58	9°43	2° 4	22°24	12°34	12°45	3°26	0°13	T 9
W10	19 35 15	22°56'08	19°28	13°25	8°33	1°33	28° 6	28° 1	9°43	2° 5	22°23	12°32	12°42	3°33	0°16	W10
T 11	19 39 12	23°53'31	1♊28	15° 1	9°21	2°12	28°14	28° 3	9°43	2° 6	22°22	12°27	12°39	3°40	0°20	T 11
F 12	19 43 8	24°50'55	13°41	16°35	10° 9	2°50	28°23	28° 6	9°43	2° 6	22°21	12°19	12°35	3°46	0°23	F 12
S 13	19 47 5	25°48'20	26°10	18° 8	10°58	3°28	28°32	28° 8	9°D43	2° 7	22°19	12°10	12°32	3°53	0°26	S 13
S 14	19 51 1	26°45'47	8♋55	19°38	11°48	4° 6	28°41	28°11	9°43	2° 7	22°18	11°58	12°29	4° 0	0°29	S 14
M15	19 54 58	27°43'14	21°58	21° 8	12°39	4°44	28°50	28°13	9°43	2° 8	22°17	11°46	12°26	4° 6	0°32	M15
T 16	19 58 55	28°40'43	5♌18	22°35	13°30	5°22	28°59	28°15	9°43	2° 8	22°16	11°34	12°23	4°13	0°35	T 16
W17	20 2 51	29°38'12	18°51	24° 0	14°21	6° 0	29° 8	28°17	9°43	2° 9	22°15	11°25	12°20	4°20	0°38	W17
T 18	20 6 48	0♌35'43	2♍36	25°24	15°14	6°39	29°17	28°19	9°44	2° 9	22°14	11°17	12°16	4°26	0°41	T 18
F 19	20 10 44	1°33'14	16°30	26°46	16° 7	7°17	29°27	28°21	9°44	2°10	22°13	11°12	12°13	4°33	0°44	F 19
S 20	20 14 41	2°30'46	0♎30	28° 6	17° 0	7°55	29°36	28°22	9°44	2°10	22°11	11°10	12°10	4°40	0°47	S 20
S 21	20 18 37	3°28'20	14°34	29°24	17°54	8°33	29°46	28°24	9°45	2°10	22°10	11°D10	12° 7	4°46	0°49	S 21
M22	20 22 34	4°25'54	28°40	0♍40	18°49	9°11	29°55	28°26	9°45	2°11	22° 9	11°R10	12° 4	4°53	0°52	M22
T 23	20 26 30	5°23'29	12♏49	1°54	19°44	9°49	0♎ 5	28°27	9°46	2°11	22° 8	11°10	12° 0	5° 0	0°55	T 23
W24	20 30 27	6°21'05	26°58	3° 6	20°40	10°27	0°15	28°28	9°46	2°11	22° 6	11° 9	11°57	5° 6	0°57	W24
T 25	20 34 24	7°18'42	11♐ 5	4°16	21°36	11° 6	0°25	28°29	9°47	2°11	22° 5	11° 5	11°54	5°13	1° 0	T 25
F 26	20 38 20	8°16'20	25°10	5°23	22°32	11°44	0°35	28°31	9°48	2°11	22° 4	10°58	11°51	5°20	1° 2	F 26
S 27	20 42 17	9°14'00	9♑ 7	6°28	23°30	12°22	0°45	28°32	9°48	2°12	22° 3	10°50	11°48	5°26	1° 5	S 27
S 28	20 46 13	10°11'40	22°55	7°31	24°27	13° 0	0°56	28°32	9°49	2°12	22° 2	10°40	11°45	5°33	1° 7	S 28
M29	20 50 10	11° 9'22	6♒28	8°31	25°25	13°38	1° 6	28°33	9°50	2°12	22° 0	10°30	11°41	5°40	1°10	M29
T 30	20 54 6	12° 7'05	19°44	9°29	26°23	14°16	1°16	28°34	9°51	2°R12	21°59	10°21	11°38	5°46	1°12	T 30
W31	20 58 3	13♌ 4'50	2♓43	10♍23	27♊22	14♌54	1♎27	28♈34	9♏52	2♉12	21♒58	10♈14	11♈35	5♉53	1♊14	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n47	25s27	4s51	22n28	1n47	16n23	4s24	22n13	1n 9	2n26	1n18	8n21	2s28	14s29	0n21	10n30	1s50	25s43	12s23	5n12	5n14	14n 2	17n56	2s19
T 2	22 41	21 42	4 25	22 3	1 45	16 31	4 23	22 6	1 9	2 23	1 18	8 23	2 28	14 29	0 21	10 30	1 50	25 44	12 23	5 8	5 12	14 5	17 57	2 19
W 3	22 34	16 56	3 45	21 36	1 42	16 39	4 22	21 58	1 9	2 19	1 17	8 23	2 28	14 29	0 21	10 30	1 50	25 44	12 23	5 4	5 11	14 8	17 58	2 19
T 4	22 27	11 33	2 55	21 8	1 38	16 48	4 22	21 51	1 9	2 16	1 17	8 24	2 28	14 29	0 21	10 30	1 50	25 45	12 23	5 2	5 10	14 11	17 58	2 20
F 5	22 20	5 51	1 58	20 38	1 34	16 56	4 21	21 43	1 9	2 13	1 17	8 25	2 29	14 29	0 21	10 31	1 51	25 46	12 24	5 1	5 9	14 14	17 59	2 20
S 6	22 12	0 4	0 56	20 8	1 30	17 5	4 19	21 35	1 9	2 9	1 17	8 26	2 29	14 28	0 21	10 31	1 51	25 46	12 24	5 0	5 7	14 17	17 59	2 20
S 7	22 3	5n38	0n 7	19 37	1 25	17 14	4 18	21 27	1 9	2 6	1 17	8 27	2 29	14 28	0 21	10 31	1 51	25 47	12 24	5 0	5 6	14 20	18 0	2 20
M 8	21 55	11 5	1 9	19 4	1 20	17 23	4 16	21 19	1 9	2 2	1 16	8 28	2 29	14 28	0 21	10 31	1 51	25 47	12 24	5 0	5 5	14 23	18 0	2 20
T 9	21 46	16 8	2 8	18 31	1 14	17 32	4 15	21 11	1 9	1 59	1 16	8 29	2 30	14 28	0 21	10 31	1 51	25 48	12 24	5 0	5 4	14 26	18 1	2 21
W10	21 36	20 36	3 2	17 58	1 8	17 41	4 13	21 3	1 9	1 55	1 16	8 29	2 30	14 28	0 21	10 32	1 51	25 48	12 25	4 59	5 2	14 29	18 1	2 21
T 11	21 26	24 17	3 48	17 23	1 1	17 50	4 11	20 54	1 9	1 52	1 16	8 30	2 30	14 28	0 21	10 32	1 51	25 49	12 25	4 57	5 1	14 32	18 2	2 21
F 12	21 16	26 57	4 25	16 48	0 54	17 59	4 8	20 45	1 9	1 48	1 16	8 31	2 30	14 28	0 21	10 32	1 51	25 49	12 25	4 54	5 0	14 36	18 2	2 21
S 13	21 6	28 20	4 50	16 13	0 47	18 9	4 6	20 36	1 9	1 44	1 15	8 31	2 31	14 28	0 21	10 32	1 51	25 50	12 25	4 50	4 59	14 39	18 3	2 21
S 14	20 55	28 16	5 1	15 38	0 39	18 18	4 4	20 27	1 9	1 41	1 15	8 32	2 31	14 28	0 21	10 32	1 51	25 51	12 25	4 45	4 57	14 42	18 3	2 22
M15	20 44	26 38	4 57	15 2	0 31	18 27	4 1	20 18	1 9	1 37	1 15	8 33	2 31	14 28	0 21	10 32	1 51	25 51	12 26	4 41	4 56	14 45	18 3	2 22
T 16	20 32	23 30	4 36	14 26	0 23	18 36	3 58	20 9	1 9	1 33	1 15	8 33	2 31	14 28	0 21	10 32	1 51	25 52	12 26	4 36	4 55	14 48	18 4	2 22
W17	20 20	19 3	4 0	13 49	0 15	18 44	3 56	19 59	1 9	1 29	1 15	8 33	2 32	14 28	0 21	10 32	1 51	25 52	12 26	4 32	4 54	14 51	18 4	2 22
T 18	20 8	13 33	3 10	13 13	0 6	18 53	3 53	19 50	1 9	1 25	1 14	8 34	2 32	14 29	0 21	10 33	1 51	25 53	12 26	4 29	4 52	14 54	18 5	2 23
F 19	19 55	7 18	2 7	12 37	0s 3	19 2	3 50	19 40	1 9	1 21	1 14	8 34	2 32	14 29	0 21	10 33	1 51	25 53	12 26	4 27	4 51	14 57	18 5	2 23
S 20	19 42	0 40	0 56	12 0	0 12	19 10	3 47	19 30	1 9	1 17	1 14	8 35	2 32	14 29	0 21	10 33	1 51	25 54	12 26	4 27	4 50	15 0	18 5	2 23
S 21	19 29	6s 3	0s18	11 24	0 22	19 18	3 43	19 20	1 9	1 13	1 14	8 35	2 33	14 29	0 21	10 33	1 52	25 54	12 26	4 26	4 49	15 3	18 6	2 23
M22	19 15	12 29	1 32	10 49	0 31	19 26	3 40	19 10	1 9	1 9	1 14	8 35	2 33	14 29	0 21	10 33	1 52	25 55	12 27	4 27	4 48	15 6	18 6	2 24
T 23	19 1	18 18	2 40	10 13	0 41	19 34	3 37	19 0	1 9	1 5	1 14	8 36	2 33	14 29	0 21	10 33	1 52	25 56	12 27	4 26	4 46	15 9	18 6	2 24
W24	18 47	23 7	3 39	9 38	0 51	19 41	3 33	18 49	1 9	1 1	1 13	8 36	2 33	14 30	0 21	10 33	1 52	25 56	12 27	4 26	4 45	15 12	18 6	2 24
T 25	18 32	26 34	4 24	9 3	1 1	19 49	3 30	18 39	1 9	0 57	1 13	8 36	2 34	14 30	0 21	10 33	1 52	25 57	12 27	4 24	4 44	15 15	18 7	2 24
F 26	18 17	28 21	4 53	8 29	1 11	19 56	3 26	18 28	1 9	0 53	1 13	8 36	2 34	14 30	0 21	10 33	1 52	25 57	12 27	4 22	4 43	15 18	18 7	2 24
S 27	18 2	28 18	5 4	7 55	1 22	20 2	3 22	18 17	1 9	0 49	1 13	8 36	2 34	14 30	0 20	10 33	1 52	25 58	12 27	4 18	4 41	15 21	18 7	2 25
S 28	17 47	26 29	4 57	7 22	1 32	20 9	3 18	18 6	1 9	0 44	1 13	8 36	2 35	14 31	0 20	10 33	1 52	25 58	12 27	4 15	4 40	15 24	18 8	2 25
M29	17 31	23 10	4 34	6 50	1 42	20 15	3 14	17 55	1 9	0 40	1 13	8 36	2 35	14 31	0 20	10 33	1 52	25 59	12 27	4 11	4 39	15 27	18 8	2 25
T 30	17 15	18 42	3 56	6 19	1 53	20 20	3 10	17 44	1 9	0 36	1 12	8 36	2 35	14 31	0 20	10 33	1 52	25 59	12 28	4 7	4 38	15 30	18 8	2 25
W31	16n59	13s27	3s 6	5n49	2s 3	20n26	3s 6	17n33	1n 9	0n32	1n12	8n36	2s35	14s31	0n20	10n33	1s52	26s 0	12s28	4n 4	4n36	15n33	18n 8	2s26

Julian Day Number = 2106943.5, Delta T = 20m16s
Ecliptic obliquity = 23°33'50, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°35'18, Lahiri = 10°42'19 Julian Calendar 1 July 1056 == Greg. Calendar 7 July 1056

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1056
geocentric

AUGUST 1056 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 1 59	14♌ 2'36	15♓22	11♍15	28♊21	15♌33	1♎37	28♈35	9♏53	2°R12	21°R57	10°R 9	11♈32	6♉ 0	1♊16	T 1
F 2	21 5 56	15° 0'24	27°45	12° 3	29°21	16°11	1°48	28°35	9°54	2♉12	21♒55	10♈ 6	11°29	6° 6	1°18	F 2
S 3	21 9 53	15°58'13	9♈53	12°48	0♋21	16°49	1°59	28°35	9°55	2°11	21°54	10°D 5	11°26	6°13	1°20	S 3
S 4	21 13 49	16°56'04	21°49	13°30	1°21	17°27	2°10	28°36	9°56	2°11	21°53	10° 6	11°22	6°20	1°22	S 4
M 5	21 17 46	17°53'57	3♉40	14° 8	2°22	18° 5	2°20	28°R36	9°57	2°11	21°51	10° 7	11°19	6°26	1°24	M 5
T 6	21 21 42	18°51'52	15°29	14°42	3°23	18°44	2°31	28°36	9°58	2°11	21°50	10°R 8	11°16	6°33	1°26	T 6
W 7	21 25 39	19°49'49	27°22	15°11	4°25	19°22	2°42	28°35	9°59	2°11	21°49	10° 7	11°13	6°40	1°28	W 7
T 8	21 29 35	20°47'47	9♊24	15°36	5°26	20° 0	2°54	28°35	10° 1	2°10	21°48	10° 5	11°10	6°46	1°29	T 8
F 9	21 33 32	21°45'48	21°40	15°57	6°28	20°38	3° 5	28°35	10° 2	2°10	21°46	10° 1	11° 6	6°53	1°31	F 9
S 10	21 37 28	22°43'50	4♋14	16°12	7°31	21°16	3°16	28°34	10° 4	2°10	21°45	9°56	11° 3	6°59	1°33	S 10
S 11	21 41 25	23°41'55	17° 8	16°22	8°33	21°55	3°27	28°34	10° 5	2° 9	21°44	9°49	11° 0	7° 6	1°34	S 11
M12	21 45 22	24°40'01	0♌23	16°R26	9°36	22°33	3°39	28°33	10° 7	2° 9	21°42	9°41	10°57	7°13	1°36	M12
T 13	21 49 18	25°38'09	14° 0	16°25	10°40	23°11	3°50	28°32	10° 8	2° 9	21°41	9°34	10°54	7°19	1°37	T 13
W14	21 53 15	26°36'19	27°55	16°17	11°43	23°50	4° 2	28°31	10°10	2° 8	21°40	9°27	10°51	7°26	1°38	W14
T 15	21 57 11	27°34'31	12♍ 5	16° 4	12°47	24°28	4°13	28°30	10°11	2° 8	21°39	9°23	10°47	7°33	1°40	T 15
F 16	22 1 8	28°32'44	26°24	15°44	13°51	25° 6	4°25	28°29	10°13	2° 7	21°37	9°20	10°44	7°39	1°41	F 16
S 17	22 5 4	29°30'59	10♎48	15°17	14°55	25°44	4°37	28°28	10°15	2° 7	21°36	9°D20	10°41	7°46	1°42	S 17
S 18	22 9 1	0♍29'15	25°13	14°44	16° 0	26°23	4°48	28°26	10°17	2° 6	21°35	9°20	10°38	7°53	1°43	S 18
M19	22 12 57	1°27'33	9♏33	14° 5	17° 5	27° 1	5° 0	28°25	10°18	2° 5	21°34	9°22	10°35	7°59	1°44	M19
T 20	22 16 54	2°25'53	23°48	13°20	18°10	27°39	5°12	28°23	10°20	2° 5	21°32	9°23	10°32	8° 6	1°45	T 20
W21	22 20 51	3°24'14	7♐54	12°30	19°15	28°18	5°24	28°22	10°22	2° 4	21°31	9°R23	10°28	8°13	1°46	W21
T 22	22 24 47	4°22'37	21°50	11°36	20°21	28°56	5°36	28°20	10°24	2° 3	21°30	9°22	10°25	8°19	1°47	T 22
F 23	22 28 44	5°21'02	5♑36	10°37	21°26	29°34	5°48	28°18	10°26	2° 3	21°29	9°19	10°22	8°26	1°47	F 23
S 24	22 32 40	6°19'28	19°10	9°37	22°32	0♍13	6° 0	28°16	10°28	2° 2	21°27	9°15	10°19	8°33	1°48	S 24
S 25	22 36 37	7°17'56	2♒32	8°34	23°38	0°51	6°12	28°14	10°31	2° 1	21°26	9°10	10°16	8°39	1°49	S 25
M26	22 40 33	8°16'26	15°41	7°32	24°45	1°29	6°25	28°12	10°33	2° 0	21°25	9° 5	10°12	8°46	1°49	M26
T 27	22 44 30	9°14'57	28°35	6°32	25°51	2° 8	6°37	28°10	10°35	1°59	21°24	9° 0	10° 9	8°53	1°49	T 27
W28	22 48 26	10°13'30	11♓15	5°35	26°58	2°46	6°49	28° 7	10°37	1°59	21°22	8°56	10° 6	8°59	1°50	W28
T 29	22 52 23	11°12'05	23°41	4°42	28° 5	3°25	7° 1	28° 5	10°39	1°58	21°21	8°54	10° 3	9° 6	1°50	T 29
F 30	22 56 20	12°10'43	5♈55	3°55	29°12	4° 3	7°14	28° 2	10°42	1°57	21°20	8°D53	10° 0	9°13	1°50	F 30
S 31	23 0 16	13♍ 9'22	17♈57	3♍15	0♌20	4♍41	7♎26	28♈ 0	10♏44	1♉56	21♒19	8♈53	9♈57	9♉19	1♊51	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n42	7s46	2s 9	5n19	2s14	20n31	3s 2	17n22	1n 9	0n27	1n12	8n36	2s36	14s32	0n20	10n33	1s52	26s 0	12s28	4n 2	4n35	15n36	18n 8	2s26
F 2	16 25	1 54	1 6	4 51	2 24	20 35	2 58	17 10	1 9	0 23	1 12	8 36	2 36	14 32	0 20	10 32	1 52	26 1	12 28	4 1	4 34	15 39	18 9	2 26
S 3	16 8	3n55	0 1	4 24	2 35	20 40	2 54	16 58	1 9	0 18	1 12	8 36	2 36	14 32	0 20	10 32	1 52	26 1	12 28	4 1	4 33	15 42	18 9	2 27
S 4	15 50	9 31	1n 3	3 59	2 45	20 44	2 50	16 47	1 9	0 14	1 12	8 36	2 36	14 33	0 20	10 32	1 52	26 2	12 28	4 1	4 31	15 45	18 9	2 27
M 5	15 33	14 44	2 4	3 35	2 55	20 47	2 46	16 35	1 9	0 9	1 12	8 35	2 37	14 33	0 20	10 32	1 52	26 2	12 28	4 1	4 30	15 48	18 9	2 27
T 6	15 15	19 25	2 59	3 13	3 5	20 50	2 41	16 23	1 9	0 5	1 11	8 35	2 37	14 34	0 20	10 32	1 53	26 3	12 28	4 2	4 29	15 51	18 9	2 27
W 7	14 57	23 21	3 47	2 53	3 15	20 53	2 37	16 11	1 9	0 0	1 11	8 35	2 37	14 34	0 20	10 32	1 53	26 3	12 28	4 2	4 28	15 54	18 9	2 28
T 8	14 38	26 21	4 25	2 34	3 24	20 55	2 33	15 59	1 9	0s 4	1 11	8 35	2 37	14 35	0 20	10 32	1 53	26 4	12 28	4 1	4 26	15 57	18 9	2 28
F 9	14 20	28 10	4 53	2 18	3 33	20 56	2 28	15 46	1 9	0 9	1 11	8 34	2 38	14 35	0 20	10 32	1 53	26 4	12 28	3 59	4 25	16 0	18 9	2 28
S 10	14 1	28 36	5 7	2 5	3 41	20 57	2 24	15 34	1 9	0 13	1 11	8 34	2 38	14 35	0 20	10 31	1 53	26 5	12 28	3 57	4 24	16 3	18 9	2 28
S 11	13 41	27 31	5 6	1 53	3 49	20 58	2 19	15 21	1 9	0 18	1 11	8 33	2 38	14 36	0 20	10 31	1 53	26 5	12 28	3 54	4 23	16 6	18 9	2 29
M12	13 22	24 52	4 49	1 45	3 56	20 58	2 15	15 9	1 9	0 23	1 11	8 33	2 38	14 36	0 20	10 31	1 53	26 6	12 28	3 51	4 21	16 9	18 9	2 29
T 13	13 2	20 46	4 15	1 40	4 3	20 58	2 10	14 56	1 8	0 27	1 10	8 32	2 39	14 37	0 20	10 31	1 53	26 6	12 28	3 48	4 20	16 12	18 9	2 29
W14	12 43	15 28	3 25	1 38	4 8	20 57	2 6	14 43	1 8	0 32	1 10	8 32	2 39	14 38	0 20	10 31	1 53	26 7	12 28	3 46	4 19	16 15	18 9	2 29
T 15	12 23	9 15	2 22	1 39	4 13	20 56	2 1	14 31	1 8	0 37	1 10	8 31	2 39	14 38	0 20	10 30	1 53	26 7	12 28	3 44	4 18	16 18	18 9	2 30
F 16	12 2	2 30	1 10	1 43	4 16	20 54	1 57	14 18	1 8	0 42	1 10	8 30	2 39	14 39	0 20	10 30	1 53	26 7	12 28	3 43	4 16	16 21	18 9	2 30
S 17	11 42	4s25	0s 8	1 52	4 18	20 52	1 52	14 4	1 8	0 46	1 10	8 30	2 40	14 39	0 20	10 30	1 53	26 8	12 28	3 43	4 15	16 23	18 9	2 30
S 18	11 21	11 8	1 25	2 4	4 19	20 49	1 48	13 51	1 8	0 51	1 10	8 29	2 40	14 40	0 20	10 30	1 53	26 8	12 28	3 43	4 14	16 26	18 9	2 30
M19	11 1	17 14	2 37	2 20	4 18	20 46	1 43	13 38	1 8	0 56	1 10	8 28	2 40	14 40	0 20	10 29	1 53	26 9	12 28	3 44	4 13	16 29	18 9	2 31
T 20	10 40	22 21	3 39	2 40	4 15	20 42	1 39	13 25	1 8	1 1	1 10	8 28	2 40	14 41	0 20	10 29	1 53	26 9	12 28	3 44	4 11	16 32	18 9	2 31
W21	10 19	26 7	4 26	3 3	4 10	20 37	1 34	13 11	1 8	1 6	1 10	8 27	2 41	14 42	0 20	10 29	1 53	26 10	12 28	3 44	4 10	16 35	18 9	2 31
T 22	9 57	28 16	4 57	3 30	4 4	20 32	1 29	12 58	1 8	1 10	1 9	8 26	2 41	14 42	0 20	10 29	1 53	26 10	12 28	3 44	4 9	16 38	18 9	2 32
F 23	9 36	28 38	5 11	4 0	3 55	20 27	1 25	12 44	1 8	1 15	1 9	8 25	2 41	14 43	0 20	10 28	1 54	26 10	12 28	3 43	4 8	16 41	18 9	2 32
S 24	9 14	27 15	5 7	4 32	3 45	20 21	1 20	12 30	1 8	1 20	1 9	8 24	2 41	14 44	0 20	10 28	1 54	26 11	12 28	3 41	4 6	16 44	18 9	2 32
S 25	8 53	24 20	4 46	5 7	3 33	20 14	1 16	12 17	1 7	1 25	1 9	8 23	2 42	14 44	0 20	10 28	1 54	26 11	12 28	3 39	4 5	16 47	18 9	2 32
M26	8 31	20 12	4 11	5 43	3 18	20 7	1 11	12 3	1 7	1 30	1 9	8 22	2 42	14 45	0 20	10 27	1 54	26 12	12 28	3 37	4 4	16 50	18 8	2 33
T 27	8 9	15 12	3 23	6 20	3 3	19 59	1 7	11 49	1 7	1 35	1 9	8 21	2 42	14 46	0 20	10 27	1 54	26 12	12 28	3 35	4 3	16 53	18 8	2 33
W28	7 46	9 38	2 26	6 57	2 45	19 51	1 2	11 35	1 7	1 40	1 9	8 20	2 42	14 46	0 20	10 27	1 54	26 12	12 28	3 34	4 1	16 56	18 8	2 33
T 29	7 24	3 47	1 23	7 33	2 27	19 42	0 58	11 21	1 7	1 45	1 9	8 19	2 42	14 47	0 20	10 26	1 54	26 13	12 28	3 33	4 0	16 58	18 8	2 34
F 30	7 2	2n 7	0 16	8 8	2 8	19 33	0 54	11 7	1 7	1 50	1 9	8 18	2 43	14 48	0 20	10 26	1 54	26 13	12 28	3 32	3 59	17 1	18 8	2 34
S 31	6n39	7n51	0n50	8n41	1s48	19n23	0s49	10n52	1n 7	1s55	1n 9	8n17	2s43	14s49	0n20	10n25	1s54	26s13	12s28	3n32	3n57	17n 4	18n 7	2s34

Julian Day Number = 2106974.5, Delta T = 20m16s
Ecliptic obliquity = 23°33'51, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°35'22, Lahiri = 10°42'23 Julian Calendar 1 Aug. 1056 == Greg. Calendar 7 Aug. 1056

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1056
geocentric

SEPTEMBER 1056 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 4 13	14♍ 8'04	29♈51	2°R43	1♌27	5♍20	7♎39	27°R57	10♏46	1°R55	21°R18	8♈55	9♈53	9♉26	1♊51	S 1
M 2	23 8 9	15° 6'47	11♉41	2♍20	2°35	5°58	7°51	27♈54	10°49	1♉54	21♒17	8°56	9°50	9°33	1°R51	M 2
T 3	23 12 6	16° 5'33	23°29	2° 7	3°43	6°37	8° 4	27°51	10°51	1°53	21°15	8°58	9°47	9°39	1°51	T 3
W 4	23 16 2	17° 4'22	5♊22	2°D 3	4°51	7°15	8°16	27°48	10°54	1°52	21°14	8°59	9°44	9°46	1°51	W 4
T 5	23 19 59	18° 3'12	17°23	2°10	6° 0	7°54	8°29	27°45	10°56	1°50	21°13	9°R 0	9°41	9°53	1°50	T 5
F 6	23 23 55	19° 2'06	29°38	2°27	7° 8	8°32	8°41	27°42	10°59	1°49	21°12	8°59	9°38	9°59	1°50	F 6
S 7	23 27 52	20° 1'01	12♋10	2°53	8°17	9°11	8°54	27°39	11° 2	1°48	21°11	8°58	9°34	10° 6	1°50	S 7
S 8	23 31 48	20°59'59	25° 4	3°29	9°26	9°49	9° 7	27°35	11° 4	1°47	21°10	8°56	9°31	10°13	1°49	S 8
M 9	23 35 45	21°58'59	8♌23	4°13	10°35	10°28	9°20	27°32	11° 7	1°46	21° 9	8°54	9°28	10°19	1°49	M 9
T 10	23 39 42	22°58'01	22° 6	5° 6	11°44	11° 7	9°32	27°29	11°10	1°45	21° 8	8°51	9°25	10°26	1°48	T 10
W11	23 43 38	23°57'05	6♍13	6° 7	12°53	11°45	9°45	27°25	11°13	1°43	21° 7	8°50	9°22	10°33	1°48	W11
T 12	23 47 35	24°56'12	20°41	7°14	14° 3	12°24	9°58	27°21	11°15	1°42	21° 6	8°48	9°18	10°39	1°47	T 12
F 13	23 51 31	25°55'21	5♎23	8°27	15°12	13° 2	10°11	27°18	11°18	1°41	21° 5	8°D48	9°15	10°46	1°46	F 13
S 14	23 55 28	26°54'31	20°13	9°47	16°22	13°41	10°24	27°14	11°21	1°40	21° 4	8°48	9°12	10°53	1°46	S 14
S 15	23 59 24	27°53'44	5♏ 3	11°10	17°32	14°20	10°37	27°10	11°24	1°38	21° 3	8°49	9° 9	10°59	1°45	S 15
M16	0 3 21	28°52'59	19°46	12°38	18°42	14°58	10°50	27° 6	11°27	1°37	21° 2	8°49	9° 6	11° 6	1°44	M16
T 17	0 7 17	29°52'15	4♐18	14°10	19°52	15°37	11° 2	27° 2	11°30	1°35	21° 1	8°50	9° 3	11°13	1°43	T 17
W18	0 11 14	0♎51'34	18°32	15°44	21° 2	16°16	11°15	26°58	11°33	1°34	21° 0	8°51	8°59	11°19	1°42	W18
T 19	0 15 11	1°50'54	2♑29	17°21	22°13	16°54	11°28	26°54	11°36	1°33	20°59	8°R51	8°56	11°26	1°41	T 19
F 20	0 19 7	2°50'16	16° 7	19° 0	23°23	17°33	11°41	26°50	11°39	1°31	20°58	8°51	8°53	11°33	1°39	F 20
S 21	0 23 4	3°49'40	29°27	20°40	24°34	18°12	11°54	26°46	11°42	1°30	20°57	8°50	8°50	11°39	1°38	S 21
S 22	0 27 0	4°49'05	12♒29	22°22	25°45	18°50	12° 7	26°41	11°45	1°28	20°56	8°50	8°47	11°46	1°37	S 22
M23	0 30 57	5°48'32	25°17	24° 4	26°56	19°29	12°21	26°37	11°49	1°27	20°55	8°49	8°43	11°53	1°35	M23
T 24	0 34 53	6°48'02	7♓50	25°47	28° 7	20° 8	12°34	26°33	11°52	1°25	20°55	8°49	8°40	11°59	1°34	T 24
W25	0 38 50	7°47'33	20°12	27°31	29°18	20°47	12°47	26°28	11°55	1°24	20°54	8°49	8°37	12° 6	1°32	W25
T 26	0 42 46	8°47'06	2♈23	29°14	0♍29	21°26	13° 0	26°24	11°58	1°22	20°53	8°49	8°34	12°13	1°31	T 26
F 27	0 46 43	9°46'41	14°26	0♎58	1°40	22° 4	13°13	26°19	12° 2	1°21	20°52	8°49	8°31	12°19	1°29	F 27
S 28	0 50 40	10°46'18	26°22	2°42	2°52	22°43	13°26	26°14	12° 5	1°19	20°51	8°49	8°28	12°26	1°27	S 28
S 29	0 54 36	11°45'57	8♉13	4°25	4° 3	23°22	13°39	26°10	12° 8	1°18	20°51	8°49	8°24	12°33	1°26	S 29
M30	0 58 33	12♎45'39	20♉ 2	6♎ 8	5♍15	24♍ 1	13♎52	26♈ 5	12♏11	1♉16	20♒50	8♈48	8♈21	12♉39	1♊24	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n16	13n14	1n53	9n11	1s29	19n13	0s45	10n38	1n 7	2s 0	1n 8	8n16	2s43	14s49	0n20	10n25	1s54	26s14	12s28	3n33	3n56	17n 7	18n 7	2s34
M 2	5 54	18 7	2 51	9 38	1 9	19 2	0 40	10 24	1 6	2 5	1 8	8 14	2 43	14 50	0 20	10 25	1 54	26 14	12 28	3 34	3 55	17 10	18 7	2 35
T 3	5 31	22 19	3 42	10 1	0 49	18 50	0 36	10 9	1 6	2 10	1 8	8 13	2 44	14 51	0 20	10 24	1 54	26 14	12 28	3 34	3 54	17 13	18 7	2 35
W 4	5 8	25 37	4 23	10 19	0 30	18 38	0 32	9 55	1 6	2 15	1 8	8 12	2 44	14 52	0 20	10 24	1 54	26 15	12 28	3 35	3 52	17 16	18 6	2 35
T 5	4 45	27 50	4 54	10 34	0 12	18 26	0 28	9 40	1 6	2 20	1 8	8 11	2 44	14 53	0 19	10 23	1 54	26 15	12 27	3 35	3 51	17 19	18 6	2 35
F 6	4 22	28 45	5 12	10 44	0n 5	18 12	0 23	9 26	1 6	2 25	1 8	8 9	2 44	14 54	0 19	10 23	1 54	26 15	12 27	3 35	3 50	17 21	18 6	2 36
S 7	3 58	28 14	5 15	10 49	0 21	17 59	0 19	9 11	1 6	2 30	1 8	8 8	2 44	14 54	0 19	10 23	1 54	26 15	12 27	3 34	3 49	17 24	18 5	2 36
S 8	3 35	26 12	5 3	10 50	0 36	17 45	0 15	8 56	1 6	2 35	1 8	8 7	2 44	14 55	0 19	10 22	1 54	26 16	12 27	3 34	3 47	17 27	18 5	2 36
M 9	3 12	22 41	4 35	10 47	0 49	17 30	0 11	8 42	1 6	2 41	1 8	8 5	2 45	14 56	0 19	10 22	1 54	26 16	12 27	3 33	3 46	17 30	18 5	2 37
T 10	2 48	17 51	3 50	10 39	1 1	17 15	0 7	8 27	1 5	2 46	1 8	8 4	2 45	14 57	0 19	10 21	1 54	26 16	12 27	3 32	3 45	17 33	18 4	2 37
W11	2 25	11 55	2 51	10 26	1 12	16 59	0 3	8 12	1 5	2 51	1 8	8 3	2 45	14 58	0 19	10 21	1 54	26 16	12 27	3 31	3 44	17 36	18 4	2 37
T 12	2 1	5 13	1 39	10 10	1 22	16 43	0n 1	7 57	1 5	2 56	1 8	8 1	2 45	14 59	0 19	10 20	1 55	26 17	12 27	3 30	3 42	17 39	18 3	2 37
F 13	1 38	1s52	0 19	9 50	1 30	16 26	0 5	7 42	1 5	3 1	1 8	8 0	2 45	15 0	0 19	10 20	1 55	26 17	12 27	3 30	3 41	17 41	18 3	2 38
S 14	1 14	8 55	1s 3	9 27	1 37	16 9	0 9	7 27	1 5	3 6	1 8	7 58	2 45	15 1	0 19	10 19	1 55	26 17	12 26	3 30	3 40	17 44	18 3	2 38
S 15	0 50	15 29	2 21	9 0	1 43	15 51	0 12	7 12	1 5	3 11	1 8	7 57	2 46	15 2	0 19	10 19	1 55	26 17	12 26	3 31	3 39	17 47	18 2	2 38
M16	0 27	21 7	3 28	8 31	1 48	15 33	0 16	6 56	1 4	3 16	1 7	7 55	2 46	15 2	0 19	10 18	1 55	26 17	12 26	3 31	3 37	17 50	18 2	2 39
T 17	0 3	25 24	4 22	7 59	1 52	15 15	0 20	6 41	1 4	3 21	1 7	7 54	2 46	15 3	0 19	10 18	1 55	26 18	12 26	3 31	3 36	17 53	18 1	2 39
W18	0s21	28 1	4 58	7 24	1 54	14 56	0 23	6 26	1 4	3 27	1 7	7 52	2 46	15 4	0 19	10 17	1 55	26 18	12 26	3 31	3 35	17 55	18 1	2 39
T 19	0 44	28 48	5 15	6 48	1 56	14 36	0 27	6 11	1 4	3 32	1 7	7 50	2 46	15 5	0 19	10 17	1 55	26 18	12 26	3 32	3 34	17 58	18 0	2 39
F 20	1 8	27 48	5 15	6 10	1 57	14 16	0 30	5 55	1 4	3 37	1 7	7 49	2 46	15 6	0 19	10 16	1 55	26 18	12 25	3 31	3 32	18 1	18 0	2 40
S 21	1 32	25 13	4 57	5 30	1 57	13 56	0 34	5 40	1 4	3 42	1 7	7 47	2 46	15 7	0 19	10 16	1 55	26 18	12 25	3 31	3 31	18 4	17 59	2 40
S 22	1 55	21 22	4 24	4 49	1 56	13 35	0 37	5 25	1 3	3 47	1 7	7 45	2 46	15 8	0 19	10 15	1 55	26 18	12 25	3 31	3 30	18 7	17 59	2 40
M23	2 19	16 36	3 39	4 7	1 55	13 14	0 40	5 9	1 3	3 52	1 7	7 44	2 47	15 9	0 19	10 15	1 55	26 18	12 25	3 31	3 29	18 9	17 58	2 40
T 24	2 43	11 12	2 44	3 24	1 53	12 52	0 44	4 54	1 3	3 57	1 7	7 42	2 47	15 10	0 19	10 14	1 55	26 19	12 25	3 31	3 27	18 12	17 58	2 41
W25	3 6	5 27	1 42	2 40	1 50	12 30	0 47	4 38	1 3	4 3	1 7	7 40	2 47	15 11	0 19	10 14	1 55	26 19	12 25	3 31	3 26	18 15	17 57	2 41
T 26	3 30	0n25	0 36	1 56	1 47	12 8	0 50	4 23	1 3	4 8	1 7	7 39	2 47	15 12	0 19	10 13	1 55	26 19	12 24	3 31	3 25	18 18	17 56	2 41
F 27	3 54	6 12	0n31	1 11	1 43	11 45	0 53	4 7	1 2	4 13	1 7	7 37	2 47	15 13	0 19	10 12	1 55	26 19	12 24	3 31	3 24	18 21	17 56	2 41
S 28	4 17	11 43	1 36	0 26	1 39	11 22	0 56	3 51	1 2	4 18	1 7	7 35	2 47	15 14	0 19	10 12	1 55	26 19	12 24	3 31	3 22	18 23	17 55	2 42
S 29	4 41	16 47	2 36	0s19	1 35	10 59	0 58	3 36	1 2	4 23	1 7	7 34	2 47	15 15	0 19	10 11	1 55	26 19	12 24	3 31	3 21	18 26	17 55	2 42
M30	5s 4	21n12	3n29	1s 4	1n30	10n35	1n 1	3n20	1n 2	4s28	1n 7	7n32	2s47	15s16	0n19	10n11	1s55	26s19	12s24	3n30	3n20	18n29	17n54	2s42

Julian Day Number = 2107005.5, Delta T = 20m15s
Ecliptic obliquity = 23°33'51, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°35'27, Lahiri = 10°42'27 Julian Calendar 1 Sept. 1056 == Greg. Calendar 7 Sept. 1056

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1056
geocentric

OCTOBER 1056 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 2 29	13♎45'23	1♊51	7♎51	6♍27	24♍40	14♎ 5	26°R 1	12♏15	1°R15	20°R49	8°R47	8♈18	12♉46	1°R22	T 1
W 2	1 6 26	14°45'09	13°44	9°34	7°39	25°19	14°18	25♈56	12°18	1♉13	20♒49	8♈47	8°15	12°53	1♊20	W 2
T 3	1 10 22	15°44'57	25°45	11°16	8°51	25°58	14°31	25°51	12°22	1°11	20°48	8°46	8°12	12°59	1°18	T 3
F 4	1 14 19	16°44'48	7♋57	12°57	10° 3	26°36	14°44	25°46	12°25	1°10	20°47	8°46	8° 9	13° 6	1°16	F 4
S 5	1 18 15	17°44'41	20°25	14°38	11°15	27°15	14°58	25°42	12°29	1° 8	20°47	8°D45	8° 5	13°13	1°14	S 5
S 6	1 22 12	18°44'36	3♌13	16°19	12°28	27°54	15°11	25°37	12°32	1° 6	20°46	8°46	8° 2	13°19	1°12	S 6
M 7	1 26 9	19°44'33	16°26	17°59	13°40	28°33	15°24	25°32	12°35	1° 5	20°46	8°47	7°59	13°26	1° 9	M 7
T 8	1 30 5	20°44'33	0♍ 4	19°39	14°53	29°12	15°37	25°27	12°39	1° 3	20°45	8°48	7°56	13°33	1° 7	T 8
W 9	1 34 2	21°44'34	14° 9	21°18	16° 5	29°51	15°50	25°22	12°43	1° 1	20°45	8°49	7°53	13°39	1° 5	W 9
T 10	1 37 58	22°44'38	28°40	22°56	17°18	0♎30	16° 3	25°17	12°46	1° 0	20°44	8°49	7°49	13°46	1° 2	T 10
F 11	1 41 55	23°44'44	13♎32	24°34	18°31	1° 9	16°16	25°13	12°50	0°58	20°44	8°R49	7°46	13°53	1° 0	F 11
S 12	1 45 51	24°44'51	28°39	26°12	19°44	1°49	16°29	25° 8	12°53	0°56	20°43	8°49	7°43	13°59	0°57	S 12
S 13	1 49 48	25°45'01	13♏50	27°49	20°57	2°28	16°42	25° 3	12°57	0°55	20°43	8°47	7°40	14° 6	0°55	S 13
M14	1 53 44	26°45'13	28°56	29°26	22°10	3° 7	16°55	24°58	13° 0	0°53	20°42	8°45	7°37	14°13	0°52	M14
T 15	1 57 41	27°45'26	13♐48	1♏ 2	23°23	3°46	17° 8	24°53	13° 4	0°51	20°42	8°43	7°34	14°19	0°49	T 15
W16	2 1 38	28°45'41	28°20	2°38	24°36	4°25	17°21	24°48	13° 8	0°50	20°42	8°40	7°30	14°26	0°47	W16
T 17	2 5 34	29°45'58	12♑27	4°13	25°49	5° 4	17°34	24°43	13°11	0°48	20°41	8°38	7°27	14°33	0°44	T 17
F 18	2 9 31	0♏46'15	26° 9	5°48	27° 2	5°43	17°47	24°39	13°15	0°46	20°41	8°D37	7°24	14°39	0°41	F 18
S 19	2 13 27	1°46'35	9♒25	7°23	28°16	6°23	18° 0	24°34	13°19	0°45	20°41	8°38	7°21	14°46	0°38	S 19
S 20	2 17 24	2°46'56	22°19	8°57	29°29	7° 2	18°13	24°29	13°22	0°43	20°41	8°39	7°18	14°53	0°36	S 20
M21	2 21 20	3°47'18	4♓54	10°31	0♎43	7°41	18°26	24°24	13°26	0°41	20°40	8°40	7°15	15° 0	0°33	M21
T 22	2 25 17	4°47'41	17°13	12° 5	1°56	8°20	18°39	24°19	13°30	0°40	20°40	8°42	7°11	15° 6	0°30	T 22
W23	2 29 13	5°48'07	29°21	13°38	3°10	8°59	18°52	24°15	13°33	0°38	20°40	8°43	7° 8	15°13	0°27	W23
T 24	2 33 10	6°48'33	11♈21	15°11	4°23	9°39	19° 4	24°10	13°37	0°36	20°40	8°R44	7° 5	15°20	0°24	T 24
F 25	2 37 7	7°49'01	23°15	16°44	5°37	10°18	19°17	24° 5	13°41	0°34	20°40	8°43	7° 2	15°26	0°21	F 25
S 26	2 41 3	8°49'31	5♉ 5	18°16	6°51	10°57	19°30	24° 1	13°44	0°33	20°40	8°40	6°59	15°33	0°17	S 26
S 27	2 45 0	9°50'03	16°55	19°49	8° 5	11°37	19°43	23°56	13°48	0°31	20°40	8°36	6°55	15°40	0°14	S 27
M28	2 48 56	10°50'36	28°45	21°21	9°19	12°16	19°55	23°52	13°52	0°29	20°40	8°30	6°52	15°46	0°11	M28
T 29	2 52 53	11°51'10	10♊38	22°52	10°33	12°55	20° 8	23°47	13°56	0°28	20°D40	8°24	6°49	15°53	0° 8	T 29
W30	2 56 49	12°51'47	22°35	24°24	11°47	13°35	20°21	23°43	13°59	0°26	20°40	8°18	6°46	16° 0	0° 5	W30
T 31	3 0 46	13♏52'25	4♋39	25♏55	13♎ 1	14♎14	20♎33	23♈38	14♏ 3	0♉25	20♒40	8♈12	6♈43	16♉ 6	0♊ 2	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s27	24n47	4n14	1s50	1n25	10n11	1n 4	3n 4	1n 2	4s33	1n 7	7n30	2s47	15s17	0n19	10n10	1s55	26s19	12s23	3n30	3n19	18n32	17n53	2s42
W 2	5 51	27 19	4 48	2 35	1 20	9 46	1 7	2 49	1 1	4 38	1 7	7 28	2 47	15 19	0 19	10 10	1 55	26 19	12 23	3 30	3 17	18 34	17 53	2 43
T 3	6 14	28 39	5 9	3 21	1 14	9 22	1 9	2 33	1 1	4 44	1 7	7 27	2 47	15 20	0 19	10 9	1 55	26 19	12 23	3 30	3 16	18 37	17 52	2 43
F 4	6 37	28 36	5 17	4 6	1 8	8 56	1 12	2 17	1 1	4 49	1 7	7 25	2 47	15 21	0 19	10 8	1 55	26 19	12 23	3 29	3 15	18 40	17 51	2 43
S 5	7 0	27 7	5 11	4 50	1 2	8 31	1 14	2 1	1 1	4 54	1 7	7 23	2 47	15 22	0 19	10 8	1 55	26 19	12 23	3 29	3 13	18 43	17 51	2 43
S 6	7 23	24 13	4 49	5 35	0 56	8 5	1 16	1 46	1 0	4 59	1 7	7 21	2 47	15 23	0 19	10 7	1 55	26 19	12 22	3 30	3 12	18 45	17 50	2 44
M 7	7 46	19 59	4 11	6 19	0 50	7 40	1 18	1 30	1 0	5 4	1 7	7 20	2 47	15 24	0 19	10 7	1 55	26 19	12 22	3 30	3 11	18 48	17 49	2 44
T 8	8 8	14 36	3 19	7 3	0 44	7 13	1 20	1 14	1 0	5 9	1 7	7 18	2 47	15 25	0 19	10 6	1 55	26 19	12 22	3 30	3 10	18 51	17 49	2 44
W 9	8 31	8 18	2 12	7 46	0 37	6 47	1 23	0 58	1 0	5 14	1 7	7 16	2 47	15 26	0 19	10 5	1 55	26 19	12 22	3 31	3 8	18 54	17 48	2 44
T 10	8 53	1 23	0 56	8 29	0 31	6 20	1 24	0 42	1 0	5 19	1 7	7 14	2 47	15 27	0 19	10 5	1 55	26 19	12 21	3 31	3 7	18 56	17 47	2 45
F 11	9 16	5s46	0s26	9 12	0 24	5 53	1 26	0 27	0 59	5 24	1 7	7 13	2 47	15 28	0 19	10 4	1 55	26 19	12 21	3 31	3 6	18 59	17 47	2 45
S 12	9 38	12 43	1 48	9 54	0 18	5 26	1 28	0 11	0 59	5 29	1 7	7 11	2 47	15 29	0 19	10 4	1 55	26 19	12 21	3 31	3 5	19 2	17 46	2 45
S 13	10 0	18 57	3 2	10 35	0 11	4 59	1 30	0s 5	0 59	5 34	1 7	7 9	2 47	15 30	0 19	10 3	1 55	26 19	12 21	3 30	3 3	19 4	17 45	2 45
M14	10 22	23 58	4 3	11 16	0 4	4 32	1 31	0 21	0 59	5 39	1 7	7 7	2 47	15 32	0 19	10 3	1 55	26 19	12 20	3 29	3 2	19 7	17 44	2 46
T 15	10 44	27 19	4 46	11 56	0s 2	4 4	1 33	0 37	0 58	5 44	1 7	7 6	2 47	15 33	0 19	10 2	1 55	26 18	12 20	3 28	3 1	19 10	17 44	2 46
W16	11 5	28 44	5 10	12 35	0 9	3 36	1 34	0 53	0 58	5 49	1 7	7 4	2 47	15 34	0 19	10 1	1 55	26 18	12 20	3 27	3 0	19 12	17 43	2 46
T 17	11 27	28 12	5 15	13 14	0 16	3 8	1 36	1 9	0 58	5 54	1 7	7 2	2 47	15 35	0 19	10 1	1 55	26 18	12 20	3 27	2 58	19 15	17 42	2 46
F 18	11 48	25 57	5 1	13 53	0 22	2 40	1 37	1 24	0 57	5 59	1 7	7 0	2 47	15 36	0 19	10 0	1 55	26 18	12 19	3 26	2 57	19 18	17 41	2 46
S 19	12 9	22 20	4 31	14 30	0 29	2 12	1 38	1 40	0 57	6 4	1 7	6 59	2 47	15 37	0 19	10 0	1 55	26 18	12 19	3 26	2 56	19 21	17 40	2 47
S 20	12 30	17 44	3 48	15 7	0 35	1 43	1 39	1 56	0 57	6 9	1 7	6 57	2 47	15 38	0 19	9 59	1 55	26 18	12 19	3 27	2 55	19 23	17 40	2 47
M21	12 51	12 29	2 56	15 43	0 42	1 15	1 40	2 12	0 57	6 14	1 7	6 55	2 47	15 39	0 19	9 58	1 55	26 18	12 19	3 27	2 53	19 26	17 39	2 47
T 22	13 11	6 51	1 56	16 18	0 48	0 46	1 41	2 28	0 56	6 19	1 7	6 54	2 47	15 40	0 19	9 58	1 55	26 17	12 18	3 28	2 52	19 29	17 38	2 47
W23	13 31	1 3	0 51	16 53	0 54	0 18	1 42	2 43	0 56	6 24	1 7	6 52	2 47	15 42	0 19	9 57	1 55	26 17	12 18	3 29	2 51	19 31	17 37	2 47
T 24	13 52	4n44	0n14	17 26	1 1	0s11	1 43	2 59	0 56	6 28	1 7	6 50	2 47	15 43	0 19	9 57	1 55	26 17	12 18	3 29	2 50	19 34	17 36	2 48
F 25	14 11	10 18	1 19	17 59	1 7	0 40	1 44	3 15	0 55	6 33	1 7	6 49	2 46	15 44	0 19	9 56	1 55	26 17	12 18	3 28	2 48	19 36	17 36	2 48
S 26	14 31	15 28	2 19	18 31	1 13	1 8	1 44	3 31	0 55	6 38	1 7	6 47	2 46	15 45	0 19	9 55	1 55	26 17	12 17	3 27	2 47	19 39	17 35	2 48
S 27	14 50	20 4	3 14	19 2	1 18	1 37	1 45	3 46	0 55	6 43	1 7	6 46	2 46	15 46	0 19	9 55	1 55	26 16	12 17	3 26	2 46	19 42	17 34	2 48
M28	15 9	23 53	4 0	19 33	1 24	2 6	1 45	4 2	0 55	6 48	1 7	6 44	2 46	15 47	0 19	9 54	1 55	26 16	12 17	3 23	2 44	19 44	17 33	2 48
T 29	15 28	26 42	4 35	20 2	1 30	2 35	1 45	4 18	0 54	6 52	1 7	6 42	2 46	15 48	0 19	9 54	1 55	26 16	12 17	3 21	2 43	19 47	17 32	2 48
W30	15 47	28 20	4 59	20 30	1 35	3 4	1 46	4 33	0 54	6 57	1 7	6 41	2 46	15 49	0 19	9 53	1 55	26 16	12 16	3 18	2 42	19 50	17 31	2 49
T 31	16s 5	28n39	5n10	20s57	1s40	3s32	1n46	4s49	0n54	7s 2	1n 7	6n39	2s46	15s51	0n19	9n53	1s55	26s15	12s16	3n16	2n41	19n52	17n31	2s49

Julian Day Number = 2107035.5, Delta T = 20m15s
Ecliptic obliquity = 23°33'51, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°35'31, Lahiri = 10°42'31 Julian Calendar 1 Oct. 1056 == Greg. Calendar 7 Oct. 1056

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1056
geocentric

NOVEMBER 1056 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 4 42	14♏53'04	16♋53	27♏26	14♎15	14♎54	20♎46	23°R34	14♏ 7	0°R23	20♒40	8°R 7	6♈40	16♉13	29°R58	F 1
S 2	3 8 39	15°53'46	29°20	28°56	15°29	15°33	20°58	23♈29	14°10	0♉21	20°40	8♈ 4	6°36	16°20	29♉55	S 2
S 3	3 12 36	16°54'29	12♌ 3	0♐27	16°43	16°12	21°11	23°25	14°14	0°20	20°40	8°D 2	6°33	16°26	29°52	S 3
M 4	3 16 32	17°55'14	25° 7	1°57	17°58	16°52	21°23	23°21	14°18	0°18	20°40	8° 2	6°30	16°33	29°48	M 4
T 5	3 20 29	18°56'00	8♍34	3°27	19°12	17°31	21°36	23°17	14°22	0°16	20°40	8° 3	6°27	16°40	29°45	T 5
W 6	3 24 25	19°56'48	22°27	4°56	20°26	18°11	21°48	23°13	14°25	0°15	20°40	8° 5	6°24	16°46	29°42	W 6
T 7	3 28 22	20°57'37	6♎47	6°25	21°41	18°51	22° 0	23° 9	14°29	0°13	20°41	8°R 6	6°20	16°53	29°38	T 7
F 8	3 32 18	21°58'28	21°31	7°53	22°55	19°30	22°13	23° 5	14°33	0°12	20°41	8° 5	6°17	17° 0	29°35	F 8
S 9	3 36 15	22°59'21	6♏35	9°22	24°10	20°10	22°25	23° 1	14°36	0°10	20°41	8° 2	6°14	17° 6	29°31	S 9
S 10	3 40 11	24° 0'15	21°51	10°49	25°24	20°49	22°37	22°57	14°40	0° 9	20°41	7°57	6°11	17°13	29°28	S 10
M11	3 44 8	25° 1'10	7♐ 8	12°16	26°39	21°29	22°49	22°53	14°44	0° 7	20°42	7°50	6° 8	17°20	29°25	M11
T 12	3 48 5	26° 2'06	22°15	13°42	27°53	22° 9	23° 1	22°50	14°47	0° 6	20°42	7°43	6° 5	17°26	29°21	T 12
W13	3 52 1	27° 3'03	7♑ 3	15° 7	29° 8	22°48	23°13	22°46	14°51	0° 4	20°43	7°35	6° 1	17°33	29°18	W13
T 14	3 55 58	28° 4'01	21°24	16°31	0♏23	23°28	23°25	22°43	14°55	0° 3	20°43	7°28	5°58	17°40	29°14	T 14
F 15	3 59 54	29° 5'00	5♒16	17°54	1°37	24° 8	23°37	22°39	14°58	0° 1	20°43	7°23	5°55	17°46	29°11	F 15
S 16	4 3 51	0♐ 5'59	18°38	19°16	2°52	24°47	23°49	22°36	15° 2	29♈59	20°44	7°21	5°52	17°53	29° 7	S 16
S 17	4 7 47	1° 6'59	1♓33	20°36	4° 7	25°27	24° 0	22°33	15° 6	29°59	20°44	7°D20	5°49	18° 0	29° 4	S 17
M18	4 11 44	2° 8'00	14° 6	21°54	5°22	26° 7	24°12	22°29	15° 9	29°57	20°45	7°21	5°46	18° 6	29° 0	M18
T 19	4 15 40	3° 9'01	26°20	23°10	6°36	26°47	24°24	22°26	15°13	29°56	20°45	7°22	5°42	18°13	28°57	T 19
W20	4 19 37	4°10'03	8♈21	24°24	7°51	27°26	24°35	22°23	15°16	29°54	20°46	7°R22	5°39	18°20	28°53	W20
T 21	4 23 34	5°11'06	20°14	25°34	9° 6	28° 6	24°47	22°20	15°20	29°53	20°46	7°21	5°36	18°27	28°50	T 21
F 22	4 27 30	6°12'09	2♉ 3	26°42	10°21	28°46	24°58	22°18	15°24	29°52	20°47	7°18	5°33	18°33	28°47	F 22
S 23	4 31 27	7°13'13	13°52	27°45	11°36	29°26	25° 9	22°15	15°27	29°51	20°48	7°12	5°30	18°40	28°43	S 23
S 24	4 35 23	8°14'17	25°42	28°44	12°51	0♏ 6	25°21	22°12	15°31	29°49	20°48	7° 3	5°26	18°47	28°40	S 24
M25	4 39 20	9°15'22	7♊36	29°38	14° 5	0°45	25°32	22°10	15°34	29°48	20°49	6°52	5°23	18°53	28°36	M25
T 26	4 43 16	10°16'28	19°36	0♑26	15°20	1°25	25°43	22° 7	15°38	29°47	20°50	6°40	5°20	19° 0	28°33	T 26
W27	4 47 13	11°17'34	1♋43	1° 7	16°35	2° 5	25°54	22° 5	15°41	29°46	20°50	6°27	5°17	19° 7	28°30	W27
T 28	4 51 9	12°18'42	13°57	1°40	17°50	2°45	26° 5	22° 3	15°44	29°44	20°51	6°15	5°14	19°13	28°26	T 28
F 29	4 55 6	13°19'49	26°20	2° 6	19° 5	3°25	26°16	22° 1	15°48	29°43	20°52	6° 4	5°11	19°20	28°23	F 29
S 30	4 59 3	14♐20'58	8♌54	2♑22	20♏20	4♏ 5	26♎27	21♈59	15♏51	29♈42	20♒53	5♈56	5♈ 7	19♉27	28♉20	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16s23	27n34	5n 7	21s23	1s45	4s 1	1n46	5s 5	0n53	7s 6	1n 7	6n38	2s46	15s52	0n19	9n52	1s55	26s15	12s16	3n14	2n39	19n55	17n30	2s49
S 2	16 41	25 7	4 50	21 49	1 50	4 30	1 46	5 20	0 53	7 11	1 7	6 36	2 45	15 53	0 19	9 52	1 55	26 15	12 16	3 13	2 38	19 57	17 29	2 49
S 3	16 58	21 24	4 18	22 13	1 54	4 59	1 46	5 36	0 53	7 16	1 7	6 35	2 45	15 54	0 19	9 51	1 55	26 15	12 15	3 12	2 37	20 0	17 28	2 49
M 4	17 16	16 33	3 32	22 36	1 58	5 27	1 46	5 51	0 52	7 20	1 8	6 34	2 45	15 55	0 19	9 50	1 55	26 14	12 15	3 12	2 36	20 3	17 27	2 49
T 5	17 33	10 46	2 33	22 57	2 2	5 56	1 46	6 7	0 52	7 25	1 8	6 32	2 45	15 56	0 19	9 50	1 55	26 14	12 15	3 13	2 34	20 5	17 26	2 50
W 6	17 49	4 18	1 24	23 18	2 6	6 24	1 45	6 22	0 52	7 30	1 8	6 31	2 45	15 57	0 19	9 49	1 55	26 14	12 15	3 13	2 33	20 8	17 26	2 50
T 7	18 5	2s36	0 7	23 37	2 10	6 52	1 45	6 38	0 51	7 34	1 8	6 30	2 45	15 58	0 19	9 49	1 55	26 13	12 14	3 14	2 32	20 10	17 25	2 50
F 8	18 21	9 33	1s12	23 55	2 13	7 21	1 44	6 53	0 51	7 39	1 8	6 28	2 44	15 59	0 19	9 48	1 55	26 13	12 14	3 13	2 31	20 13	17 24	2 50
S 9	18 37	16 7	2 28	24 12	2 15	7 49	1 44	7 8	0 51	7 43	1 8	6 27	2 44	16 1	0 19	9 48	1 55	26 13	12 14	3 12	2 29	20 16	17 23	2 50
S 10	18 52	21 46	3 34	24 27	2 18	8 16	1 43	7 24	0 50	7 48	1 8	6 26	2 44	16 2	0 19	9 47	1 55	26 12	12 13	3 10	2 28	20 18	17 22	2 50
M11	19 7	25 58	4 25	24 41	2 20	8 44	1 42	7 39	0 50	7 52	1 8	6 25	2 44	16 3	0 19	9 47	1 55	26 12	12 13	3 8	2 27	20 21	17 21	2 50
T 12	19 22	28 16	4 56	24 54	2 21	9 12	1 42	7 54	0 49	7 56	1 8	6 23	2 44	16 4	0 19	9 46	1 55	26 12	12 13	3 4	2 26	20 23	17 20	2 51
W13	19 36	28 29	5 7	25 5	2 22	9 39	1 41	8 9	0 49	8 1	1 8	6 22	2 43	16 5	0 19	9 46	1 55	26 11	12 13	3 1	2 24	20 26	17 20	2 51
T 14	19 50	26 46	4 58	25 15	2 23	10 6	1 40	8 24	0 49	8 5	1 8	6 21	2 43	16 6	0 19	9 45	1 55	26 11	12 12	2 59	2 23	20 28	17 19	2 51
F 15	20 3	23 27	4 32	25 23	2 23	10 33	1 39	8 39	0 48	8 10	1 8	6 20	2 43	16 7	0 19	9 45	1 55	26 10	12 12	2 57	2 22	20 31	17 18	2 51
S 16	20 17	18 59	3 51	25 30	2 22	11 0	1 38	8 54	0 48	8 14	1 8	6 19	2 43	16 8	0 19	9 44	1 55	26 10	12 12	2 56	2 20	20 34	17 17	2 51
S 17	20 29	13 47	3 0	25 35	2 21	11 26	1 37	9 9	0 48	8 18	1 8	6 18	2 43	16 9	0 19	9 44	1 55	26 10	12 12	2 55	2 19	20 36	17 16	2 51
M18	20 42	8 10	2 2	25 38	2 19	11 52	1 36	9 24	0 47	8 22	1 8	6 17	2 42	16 10	0 19	9 44	1 55	26 9	12 11	2 56	2 18	20 39	17 15	2 51
T 19	20 54	2 22	0 59	25 40	2 17	12 18	1 34	9 39	0 47	8 26	1 9	6 16	2 42	16 11	0 18	9 43	1 55	26 9	12 11	2 56	2 17	20 41	17 15	2 51
W20	21 5	3n25	0n 5	25 40	2 14	12 44	1 33	9 54	0 46	8 31	1 9	6 15	2 42	16 12	0 18	9 43	1 55	26 8	12 11	2 56	2 15	20 44	17 14	2 51
T 21	21 17	9 0	1 8	25 39	2 9	13 9	1 32	10 8	0 46	8 35	1 9	6 14	2 42	16 13	0 18	9 42	1 55	26 8	12 11	2 56	2 14	20 46	17 13	2 51
F 22	21 27	14 15	2 8	25 36	2 4	13 34	1 30	10 23	0 46	8 39	1 9	6 14	2 41	16 14	0 18	9 42	1 54	26 8	12 10	2 55	2 13	20 49	17 12	2 52
S 23	21 38	18 58	3 2	25 31	1 59	13 59	1 29	10 37	0 45	8 43	1 9	6 13	2 41	16 15	0 18	9 41	1 54	26 7	12 10	2 52	2 12	20 51	17 11	2 52
S 24	21 48	22 58	3 48	25 25	1 52	14 23	1 27	10 52	0 45	8 47	1 9	6 12	2 41	16 17	0 18	9 41	1 54	26 7	12 10	2 49	2 10	20 54	17 10	2 52
M25	21 57	26 2	4 24	25 17	1 43	14 47	1 26	11 6	0 44	8 51	1 9	6 11	2 41	16 18	0 18	9 41	1 54	26 6	12 10	2 44	2 9	20 56	17 10	2 52
T 26	22 6	27 57	4 49	25 8	1 34	15 11	1 24	11 21	0 44	8 55	1 9	6 11	2 40	16 19	0 18	9 40	1 54	26 6	12 9	2 40	2 8	20 59	17 9	2 52
W27	22 15	28 34	5 1	24 57	1 24	15 34	1 22	11 35	0 43	8 59	1 9	6 10	2 40	16 20	0 18	9 40	1 54	26 5	12 9	2 34	2 7	21 1	17 8	2 52
T 28	22 23	27 48	4 59	24 45	1 12	15 57	1 20	11 49	0 43	9 3	1 9	6 9	2 40	16 21	0 18	9 39	1 54	26 5	12 9	2 30	2 5	21 4	17 7	2 52
F 29	22 31	25 38	4 44	24 32	0 59	16 20	1 19	12 3	0 43	9 7	1 10	6 9	2 40	16 22	0 18	9 39	1 54	26 4	12 9	2 25	2 4	21 6	17 7	2 52
S 30	22s38	22n13	4n14	24s17	0s45	16s42	1n17	12s17	0n42	9s10	1n10	6n 8	2s39	16s23	0n18	9n39	1s54	26s 4	12s 8	2n22	2n 3	21n 9	17n 6	2s52

Julian Day Number = 2107066.5, Delta T = 20m15s
Ecliptic obliquity = 23°33'50, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°35'35, Lahiri = 10°42'36 Julian Calendar 1 Nov. 1056 == Greg. Calendar 7 Nov. 1056

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1056
geocentric

DECEMBER 1056 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 2 59	15♐22'07	21♌40	2°R27	21♏35	4♏45	26♎37	21°R57	15♏55	29°R41	20♒54	5°R51	5♈ 4	19♉33	28°R16	S 1
M 2	5 6 56	16°23'17	4♍42	2♑22	22°50	5°25	26°48	21♈55	15°58	29♈40	20°54	5♈49	5° 1	19°40	28♉13	M 2
T 3	5 10 52	17°24'27	18° 2	2° 6	24° 5	6° 5	26°58	21°53	16° 1	29°39	20°55	5°D48	4°58	19°47	28°10	T 3
W 4	5 14 49	18°25'38	1♎43	1°37	25°20	6°45	27° 9	21°51	16° 5	29°38	20°56	5°R48	4°55	19°53	28° 7	W 4
T 5	5 18 45	19°26'50	15°46	0°57	26°36	7°25	27°19	21°50	16° 8	29°37	20°57	5°48	4°52	20° 0	28° 4	T 5
F 6	5 22 42	20°28'02	0♏12	0° 6	27°51	8° 5	27°29	21°49	16°11	29°36	20°58	5°46	4°48	20° 7	28° 1	F 6
S 7	5 26 38	21°29'15	14°59	29♐ 5	29° 6	8°45	27°40	21°47	16°14	29°35	20°59	5°41	4°45	20°13	27°57	S 7
S 8	5 30 35	22°30'29	29°59	27°55	0♐21	9°26	27°50	21°46	16°18	29°34	21° 0	5°34	4°42	20°20	27°54	S 8
M 9	5 34 32	23°31'42	15♐ 7	26°38	1°36	10° 6	28° 0	21°45	16°21	29°34	21° 1	5°24	4°39	20°27	27°51	M 9
T 10	5 38 28	24°32'56	0♑11	25°18	2°51	10°46	28° 9	21°44	16°24	29°33	21° 2	5°12	4°36	20°34	27°48	T 10
W11	5 42 25	25°34'10	15° 1	23°56	4° 6	11°26	28°19	21°43	16°27	29°32	21° 3	5° 0	4°33	20°40	27°45	W11
T 12	5 46 21	26°35'24	29°28	22°36	5°21	12° 6	28°29	21°43	16°30	29°31	21° 4	4°49	4°29	20°47	27°42	T 12
F 13	5 50 18	27°36'37	13♒28	21°20	6°37	12°46	28°38	21°42	16°33	29°30	21° 5	4°41	4°26	20°54	27°40	F 13
S 14	5 54 14	28°37'51	26°58	20° 9	7°52	13°27	28°48	21°41	16°36	29°30	21° 6	4°35	4°23	21° 0	27°37	S 14
S 15	5 58 11	29°39'04	9♓59	19° 6	9° 7	14° 7	28°57	21°41	16°39	29°29	21° 7	4°32	4°20	21° 7	27°34	S 15
M16	6 2 8	0♑40'16	22°36	18°13	10°22	14°47	29° 6	21°41	16°42	29°28	21° 9	4°31	4°17	21°14	27°31	M16
T 17	6 6 4	1°41'28	4♈52	17°29	11°37	15°27	29°15	21°41	16°45	29°28	21°10	4°31	4°13	21°20	27°28	T 17
W18	6 10 1	2°42'39	16°54	16°55	12°52	16° 8	29°24	21°D41	16°48	29°27	21°11	4°30	4°10	21°27	27°26	W18
T 19	6 13 57	3°43'50	28°46	16°31	14° 8	16°48	29°33	21°41	16°51	29°27	21°12	4°29	4° 7	21°34	27°23	T 19
F 20	6 17 54	4°45'01	10♉34	16°17	15°23	17°28	29°42	21°41	16°53	29°26	21°13	4°25	4° 4	21°40	27°21	F 20
S 21	6 21 50	5°46'11	22°23	16°D12	16°38	18° 9	29°51	21°41	16°56	29°26	21°15	4°18	4° 1	21°47	27°18	S 21
S 22	6 25 47	6°47'21	4♊16	16°16	17°53	18°49	29°59	21°42	16°59	29°25	21°16	4° 8	3°58	21°54	27°16	S 22
M23	6 29 43	7°48'30	16°16	16°29	19° 8	19°29	0♏ 7	21°42	17° 2	29°25	21°17	3°56	3°54	22° 0	27°13	M23
T 24	6 33 40	8°49'38	28°25	16°48	20°23	20°10	0°16	21°43	17° 4	29°24	21°18	3°41	3°51	22° 7	27°11	T 24
W25	6 37 37	9°50'46	10♋43	17°14	21°39	20°50	0°24	21°43	17° 7	29°24	21°20	3°27	3°48	22°14	27° 9	W25
T 26	6 41 33	10°51'54	23°13	17°47	22°54	21°31	0°32	21°44	17° 9	29°24	21°21	3°13	3°45	22°21	27° 6	T 26
F 27	6 45 30	11°53'01	5♌53	18°25	24° 9	22°11	0°40	21°45	17°12	29°24	21°22	3° 1	3°42	22°27	27° 4	F 27
S 28	6 49 26	12°54'08	18°43	19° 8	25°24	22°51	0°48	21°46	17°15	29°23	21°24	2°51	3°39	22°34	27° 2	S 28
S 29	6 53 23	13°55'14	1♍44	19°55	26°39	23°32	0°55	21°48	17°17	29°23	21°25	2°45	3°35	22°41	27° 0	S 29
M30	6 57 19	14°56'19	14°56	20°47	27°54	24°12	1° 3	21°49	17°19	29°23	21°27	2°42	3°32	22°47	26°58	M30
T 31	7 1 16	15♑57'24	28♍21	21♐42	29♐10	24♏53	1♏10	21♈50	17♏22	29♈23	21♒28	2°D41	3♈29	22♉54	26♉56	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s45	17n41	3n32	24s 2	0s29	17s 3	1n15	12s31	0n42	9s14	1n10	6n 8	2s39	16s24	0n18	9n38	1s54	26s 3	12s 8	2n20	2n 2	21n11	17n 5	2s52
M 2	22 52	12 16	2 37	23 45	0 12	17 24	1 13	12 45	0 41	9 18	1 10	6 8	2 39	16 24	0 18	9 38	1 54	26 3	12 8	2 19	2 0	21 13	17 4	2 52
T 3	22 58	6 11	1 33	23 27	0n 6	17 45	1 11	12 59	0 41	9 22	1 10	6 7	2 39	16 25	0 18	9 38	1 54	26 2	12 8	2 19	1 59	21 16	17 3	2 52
W 4	23 3	0s21	0 22	23 9	0 25	18 5	1 9	13 12	0 40	9 25	1 10	6 7	2 38	16 26	0 18	9 37	1 54	26 2	12 7	2 19	1 58	21 18	17 3	2 52
T 5	23 9	7 3	0s53	22 49	0 44	18 25	1 7	13 26	0 40	9 29	1 10	6 7	2 38	16 27	0 18	9 37	1 54	26 1	12 7	2 19	1 56	21 21	17 2	2 52
F 6	23 13	13 33	2 5	22 30	1 4	18 44	1 4	13 40	0 39	9 32	1 10	6 6	2 38	16 28	0 18	9 37	1 54	26 1	12 7	2 18	1 55	21 23	17 1	2 52
S 7	23 17	19 28	3 11	22 10	1 24	19 3	1 2	13 53	0 39	9 36	1 10	6 6	2 37	16 29	0 18	9 37	1 54	26 0	12 7	2 16	1 54	21 26	17 1	2 52
S 8	23 21	24 15	4 5	21 49	1 43	19 21	1 0	14 6	0 38	9 39	1 11	6 6	2 37	16 30	0 18	9 36	1 54	26 0	12 7	2 13	1 53	21 28	17 0	2 52
M 9	23 24	27 24	4 42	21 29	2 2	19 39	0 58	14 19	0 38	9 43	1 11	6 6	2 37	16 31	0 18	9 36	1 54	25 59	12 6	2 9	1 51	21 31	16 59	2 52
T 10	23 27	28 33	4 59	21 10	2 19	19 56	0 56	14 33	0 37	9 46	1 11	6 6	2 37	16 32	0 18	9 36	1 54	25 59	12 6	2 5	1 50	21 33	16 59	2 52
W11	23 29	27 37	4 56	20 52	2 34	20 12	0 53	14 46	0 37	9 50	1 11	6 6	2 36	16 33	0 18	9 36	1 54	25 58	12 6	2 0	1 49	21 35	16 58	2 52
T 12	23 31	24 49	4 34	20 35	2 47	20 28	0 51	14 58	0 36	9 53	1 11	6 6	2 36	16 34	0 18	9 35	1 54	25 57	12 6	1 56	1 48	21 38	16 57	2 52
F 13	23 33	20 37	3 55	20 20	2 57	20 44	0 49	15 11	0 36	9 56	1 11	6 6	2 36	16 35	0 18	9 35	1 53	25 57	12 6	1 52	1 46	21 40	16 57	2 52
S 14	23 33	15 28	3 5	20 7	3 5	20 59	0 46	15 24	0 35	9 59	1 11	6 6	2 35	16 35	0 18	9 35	1 53	25 56	12 5	1 50	1 45	21 43	16 56	2 52
S 15	23 34	9 48	2 6	19 57	3 11	21 13	0 44	15 36	0 35	10 3	1 12	6 6	2 35	16 36	0 18	9 35	1 53	25 56	12 5	1 49	1 44	21 45	16 55	2 52
M16	23 34	3 55	1 3	19 49	3 14	21 26	0 41	15 49	0 34	10 6	1 12	6 6	2 35	16 37	0 18	9 35	1 53	25 55	12 5	1 48	1 43	21 47	16 55	2 52
T 17	23 33	1n58	0n 2	19 44	3 15	21 39	0 39	16 1	0 34	10 9	1 12	6 6	2 34	16 38	0 18	9 35	1 53	25 55	12 5	1 48	1 41	21 50	16 54	2 52
W18	23 32	7 40	1 5	19 42	3 14	21 52	0 36	16 13	0 33	10 12	1 12	6 7	2 34	16 39	0 18	9 34	1 53	25 54	12 5	1 48	1 40	21 52	16 54	2 52
T 19	23 31	13 2	2 4	19 42	3 11	22 3	0 34	16 26	0 32	10 15	1 12	6 7	2 34	16 40	0 19	9 34	1 53	25 54	12 4	1 47	1 39	21 54	16 53	2 52
F 20	23 29	17 53	2 58	19 45	3 7	22 14	0 31	16 38	0 32	10 18	1 12	6 7	2 34	16 40	0 19	9 34	1 53	25 53	12 4	1 46	1 37	21 57	16 52	2 52
S 21	23 26	22 4	3 44	19 50	3 2	22 25	0 29	16 49	0 31	10 21	1 12	6 8	2 33	16 41	0 19	9 34	1 53	25 52	12 4	1 43	1 36	21 59	16 52	2 52
S 22	23 23	25 22	4 20	19 56	2 56	22 34	0 26	17 1	0 31	10 24	1 13	6 8	2 33	16 42	0 19	9 34	1 53	25 52	12 4	1 39	1 35	22 2	16 51	2 52
M23	23 20	27 35	4 46	20 4	2 49	22 43	0 24	17 13	0 30	10 26	1 13	6 9	2 33	16 43	0 19	9 34	1 53	25 51	12 4	1 34	1 34	22 4	16 51	2 52
T 24	23 16	28 31	4 58	20 14	2 41	22 52	0 21	17 24	0 29	10 29	1 13	6 9	2 32	16 43	0 19	9 34	1 53	25 51	12 4	1 28	1 32	22 6	16 50	2 52
W25	23 12	28 4	4 57	20 25	2 33	22 59	0 19	17 36	0 29	10 32	1 13	6 10	2 32	16 44	0 19	9 34	1 53	25 50	12 3	1 23	1 31	22 9	16 50	2 52
T 26	23 7	26 11	4 42	20 37	2 24	23 6	0 16	17 47	0 28	10 35	1 13	6 10	2 32	16 45	0 19	9 34	1 53	25 49	12 3	1 17	1 30	22 11	16 49	2 52
F 27	23 2	22 58	4 12	20 49	2 15	23 12	0 14	17 58	0 28	10 37	1 13	6 11	2 31	16 46	0 19	9 34	1 53	25 49	12 3	1 12	1 29	22 13	16 49	2 52
S 28	22 56	18 37	3 30	21 2	2 6	23 18	0 11	18 9	0 27	10 40	1 13	6 12	2 31	16 46	0 19	9 34	1 53	25 48	12 3	1 8	1 27	22 16	16 49	2 52
S 29	22 50	13 20	2 36	21 15	1 56	23 23	0 8	18 20	0 26	10 42	1 14	6 12	2 31	16 47	0 19	9 34	1 52	25 48	12 3	1 6	1 26	22 18	16 48	2 52
M30	22 43	7 23	1 32	21 28	1 47	23 27	0 6	18 30	0 26	10 45	1 14	6 13	2 31	16 48	0 19	9 34	1 52	25 47	12 3	1 5	1 25	22 20	16 48	2 52
T 31	22s36	1n 1	0n23	21s41	1n37	23s30	0n 3	18s41	0n25	10s47	1n14	6n14	2s30	16s48	0n19	9n34	1s52	25s46	12s 3	1n 4	1n23	22n22	16n47	2s52

Julian Day Number = 2107096.5, Delta T = 20m14s
Ecliptic obliquity = 23°33'50, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°35'39, Lahiri = 10°42'40 Julian Calendar 1 Dec. 1056 == Greg. Calendar 7 Dec. 1056

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1057
geocentric

JANUARY 1057 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 5 12	16♑58'29	12♎ 0	22♐40	0♑25	25♏33	1♏17	21♈52	17♏24	29°R23	21♒29	2°R41	3♈26	23♉ 1	26°R54	W 1
T 2	7 9 9	17°59'33	25°54	23°42	1°40	26°14	1°24	21°53	17°26	29♈23	21°31	2♈40	3°23	23° 7	26♉52	T 2
F 3	7 13 6	19° 0'37	10♏ 4	24°46	2°55	26°55	1°31	21°55	17°29	29°D23	21°32	2°39	3°19	23°14	26°51	F 3
S 4	7 17 2	20° 1'40	24°29	25°52	4°10	27°35	1°38	21°57	17°31	29°23	21°34	2°35	3°16	23°21	26°49	S 4
S 5	7 20 59	21° 2'43	9♐ 6	27° 1	5°25	28°16	1°44	21°59	17°33	29°23	21°35	2°28	3°13	23°27	26°47	S 5
M 6	7 24 55	22° 3'45	23°49	28°12	6°41	28°56	1°51	22° 1	17°35	29°23	21°37	2°19	3°10	23°34	26°46	M 6
T 7	7 28 52	23° 4'47	8♑31	29°25	7°56	29°37	1°57	22° 3	17°37	29°23	21°38	2° 8	3° 7	23°41	26°44	T 7
W 8	7 32 48	24° 5'47	23° 4	0♑39	9°11	0♐18	2° 3	22° 6	17°39	29°23	21°40	1°57	3° 4	23°48	26°43	W 8
T 9	7 36 45	25° 6'47	7♒21	1°55	10°26	0°58	2° 9	22° 8	17°41	29°23	21°41	1°46	3° 0	23°54	26°42	T 9
F 10	7 40 42	26° 7'45	21°15	3°12	11°41	1°39	2°15	22°10	17°43	29°23	21°43	1°38	2°57	24° 1	26°40	F 10
S 11	7 44 38	27° 8'42	4♓45	4°31	12°56	2°20	2°21	22°13	17°45	29°24	21°44	1°32	2°54	24° 8	26°39	S 11
S 12	7 48 35	28° 9'38	17°49	5°51	14°12	3° 0	2°27	22°16	17°47	29°24	21°46	1°29	2°51	24°14	26°38	S 12
M13	7 52 31	29°10'32	0♈30	7°12	15°27	3°41	2°32	22°19	17°49	29°24	21°47	1°D28	2°48	24°21	26°37	M13
T 14	7 56 28	0♒11'25	12°50	8°34	16°42	4°22	2°37	22°22	17°50	29°25	21°49	1°29	2°45	24°28	26°36	T 14
W15	8 0 24	1°12'16	24°55	9°58	17°57	5° 3	2°42	22°25	17°52	29°25	21°50	1°29	2°41	24°34	26°35	W15
T 16	8 4 21	2°13'06	6♉49	11°22	19°12	5°43	2°47	22°28	17°54	29°25	21°52	1°R29	2°38	24°41	26°34	T 16
F 17	8 8 17	3°13'55	18°39	12°48	20°27	6°24	2°52	22°31	17°55	29°26	21°54	1°28	2°35	24°48	26°33	F 17
S 18	8 12 14	4°14'42	0♊30	14°14	21°42	7° 5	2°56	22°34	17°57	29°26	21°55	1°24	2°32	24°55	26°32	S 18
S 19	8 16 11	5°15'27	12°25	15°42	22°57	7°46	3° 1	22°38	17°58	29°27	21°57	1°18	2°29	25° 1	26°32	S 19
M20	8 20 7	6°16'11	24°30	17°10	24°12	8°26	3° 5	22°41	18° 0	29°27	21°58	1°10	2°25	25° 8	26°31	M20
T 21	8 24 4	7°16'53	6♋46	18°39	25°28	9° 7	3° 9	22°45	18° 1	29°28	22° 0	1° 0	2°22	25°15	26°31	T 21
W22	8 28 0	8°17'34	19°16	20° 9	26°43	9°48	3°13	22°48	18° 2	29°29	22° 2	0°50	2°19	25°21	26°30	W22
T 23	8 31 57	9°18'13	2♌ 1	21°40	27°58	10°29	3°17	22°52	18° 4	29°29	22° 3	0°40	2°16	25°28	26°30	T 23
F 24	8 35 53	10°18'51	15° 0	23°12	29°13	11°10	3°20	22°56	18° 5	29°30	22° 5	0°32	2°13	25°35	26°30	F 24
S 25	8 39 50	11°19'27	28°12	24°45	0♒28	11°51	3°24	23° 0	18° 6	29°31	22° 7	0°25	2°10	25°41	26°29	S 25
S 26	8 43 46	12°20'01	11♍36	26°19	1°43	12°31	3°27	23° 4	18° 7	29°31	22° 8	0°21	2° 6	25°48	26°29	S 26
M27	8 47 43	13°20'34	25°11	27°53	2°58	13°12	3°30	23° 8	18° 8	29°32	22°10	0°D20	2° 3	25°55	26°29	M27
T 28	8 51 40	14°21'06	8♎54	29°29	4°13	13°53	3°33	23°13	18° 9	29°33	22°11	0°20	2° 0	26° 1	26°D29	T 28
W29	8 55 36	15°21'37	22°46	1♒ 5	5°28	14°34	3°35	23°17	18°10	29°34	22°13	0°21	1°57	26° 8	26°29	W29
T 30	8 59 33	16°22'06	6♏46	2°42	6°43	15°15	3°38	23°21	18°11	29°35	22°15	0°22	1°54	26°15	26°29	T 30
F 31	9 3 29	17♒22'34	20♏52	4♒20	7♒58	15♐56	3♏40	23♈26	18♏12	29♈36	22♒16	0°R22	1♈50	26♉22	26♉30	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s29	5s31	0s49	21s54	1n27	23s33	0n 1	18s51	0n25	10s49	1n14	6n15	2s30	16s49	0n19	9n34	1s52	25s46	12s 2	1n 4	1n22	22n25	16n47	2s52
T 2	22 21	11 55	2 0	22 7	1 18	23 35	0s 2	19 1	0 24	10 52	1 14	6 16	2 30	16 50	0 19	9 34	1 52	25 45	12 2	1 4	1 21	22 27	16 47	2 52
F 3	22 12	17 49	3 4	22 19	1 8	23 36	0 4	19 12	0 23	10 54	1 14	6 16	2 29	16 50	0 19	9 34	1 52	25 45	12 2	1 3	1 20	22 29	16 46	2 52
S 4	22 4	22 50	3 58	22 31	0 59	23 37	0 7	19 21	0 23	10 56	1 15	6 17	2 29	16 51	0 19	9 34	1 52	25 44	12 2	1 2	1 18	22 32	16 46	2 51
S 5	21 54	26 30	4 37	22 42	0 49	23 36	0 9	19 31	0 22	10 58	1 15	6 18	2 29	16 52	0 19	9 34	1 52	25 43	12 2	0 59	1 17	22 34	16 46	2 51
M 6	21 45	28 23	4 58	22 53	0 40	23 35	0 12	19 41	0 21	11 0	1 15	6 20	2 28	16 52	0 19	9 34	1 52	25 43	12 2	0 56	1 16	22 36	16 45	2 51
T 7	21 35	28 17	5 0	23 3	0 31	23 34	0 14	19 50	0 20	11 2	1 15	6 21	2 28	16 53	0 19	9 34	1 52	25 42	12 2	0 51	1 15	22 38	16 45	2 51
W 8	21 24	26 12	4 42	23 11	0 22	23 31	0 17	20 0	0 20	11 4	1 15	6 22	2 28	16 53	0 19	9 34	1 52	25 42	12 2	0 47	1 13	22 41	16 45	2 51
T 9	21 13	22 30	4 6	23 19	0 14	23 28	0 19	20 9	0 19	11 6	1 16	6 23	2 28	16 54	0 19	9 34	1 52	25 41	12 2	0 43	1 12	22 43	16 45	2 51
F 10	21 2	17 35	3 17	23 26	0 5	23 24	0 21	20 18	0 18	11 8	1 16	6 24	2 27	16 54	0 19	9 34	1 52	25 40	12 1	0 39	1 11	22 45	16 44	2 51
S 11	20 50	11 57	2 17	23 32	0s 3	23 20	0 24	20 27	0 18	11 10	1 16	6 25	2 27	16 55	0 19	9 35	1 52	25 40	12 1	0 37	1 10	22 47	16 44	2 51
S 12	20 38	5 57	1 12	23 37	0 11	23 14	0 26	20 35	0 17	11 12	1 16	6 27	2 27	16 55	0 19	9 35	1 52	25 39	12 1	0 36	1 8	22 50	16 44	2 51
M13	20 26	0n 7	0 5	23 41	0 19	23 8	0 28	20 44	0 16	11 13	1 16	6 28	2 26	16 56	0 19	9 35	1 52	25 39	12 1	0 35	1 7	22 52	16 44	2 51
T 14	20 13	6 1	1n 0	23 44	0 27	23 1	0 31	20 52	0 15	11 15	1 17	6 29	2 26	16 56	0 19	9 35	1 51	25 38	12 1	0 35	1 6	22 54	16 44	2 51
W15	20 0	11 35	2 2	23 46	0 34	22 54	0 33	21 1	0 15	11 16	1 17	6 31	2 26	16 57	0 19	9 35	1 51	25 37	12 1	0 36	1 4	22 56	16 44	2 51
T 16	19 46	16 39	2 57	23 46	0 42	22 46	0 35	21 9	0 14	11 18	1 17	6 32	2 26	16 57	0 19	9 35	1 51	25 37	12 1	0 36	1 3	22 58	16 43	2 50
F 17	19 32	21 4	3 45	23 45	0 49	22 37	0 37	21 16	0 13	11 19	1 17	6 34	2 25	16 58	0 19	9 36	1 51	25 36	12 1	0 35	1 2	23 1	16 43	2 50
S 18	19 18	24 38	4 22	23 43	0 55	22 27	0 40	21 24	0 12	11 21	1 17	6 35	2 25	16 58	0 19	9 36	1 51	25 36	12 1	0 34	1 1	23 3	16 43	2 50
S 19	19 3	27 11	4 49	23 40	1 2	22 17	0 42	21 32	0 12	11 22	1 17	6 37	2 25	16 59	0 19	9 36	1 51	25 35	12 1	0 31	0 59	23 5	16 43	2 50
M20	18 48	28 30	5 3	23 35	1 8	22 6	0 44	21 39	0 11	11 23	1 18	6 38	2 24	16 59	0 19	9 36	1 51	25 34	12 1	0 28	0 58	23 7	16 43	2 50
T 21	18 33	28 27	5 4	23 29	1 14	21 55	0 46	21 46	0 10	11 25	1 18	6 40	2 24	16 59	0 19	9 37	1 51	25 34	12 1	0 24	0 57	23 9	16 43	2 50
W22	18 17	26 57	4 50	23 21	1 20	21 42	0 48	21 53	0 9	11 26	1 18	6 41	2 24	17 0	0 19	9 37	1 51	25 33	12 1	0 20	0 56	23 12	16 43	2 50
T 23	18 1	24 3	4 21	23 13	1 25	21 30	0 50	22 0	0 8	11 27	1 18	6 43	2 24	17 0	0 19	9 37	1 51	25 33	12 1	0 16	0 54	23 14	16 43	2 50
F 24	17 45	19 54	3 39	23 2	1 30	21 16	0 52	22 6	0 8	11 28	1 18	6 45	2 23	17 0	0 19	9 38	1 51	25 32	12 1	0 13	0 53	23 16	16 43	2 50
S 25	17 28	14 43	2 44	22 51	1 35	21 2	0 54	22 13	0 7	11 29	1 19	6 46	2 23	17 1	0 19	9 38	1 51	25 31	12 1	0 10	0 52	23 18	16 43	2 50
S 26	17 11	8 47	1 39	22 38	1 40	20 47	0 56	22 19	0 6	11 30	1 19	6 48	2 23	17 1	0 19	9 38	1 51	25 31	12 1	0 8	0 51	23 20	16 43	2 50
M27	16 54	2 21	0 28	22 23	1 44	20 32	0 57	22 25	0 5	11 30	1 19	6 50	2 23	17 1	0 19	9 39	1 51	25 30	12 1	0 8	0 49	23 22	16 43	2 49
T 28	16 37	4s15	0s46	22 7	1 48	20 16	0 59	22 31	0 4	11 31	1 19	6 52	2 22	17 2	0 19	9 39	1 51	25 30	12 1	0 8	0 48	23 24	16 44	2 49
W29	16 19	10 44	1 58	21 50	1 51	19 59	1 1	22 37	0 3	11 32	1 19	6 54	2 22	17 2	0 19	9 39	1 50	25 29	12 1	0 8	0 47	23 27	16 44	2 49
T 30	16 1	16 44	3 4	21 31	1 54	19 42	1 3	22 42	0 3	11 33	1 20	6 56	2 22	17 2	0 19	9 40	1 50	25 29	12 1	0 9	0 45	23 29	16 44	2 49
F 31	15s42	21s54	3s59	21s10	1s57	19s24	1s 4	22s47	0n 2	11s33	1n20	6n57	2s22	17s 2	0n19	9n40	1s50	25s28	12s 1	0n 9	0n44	23n31	16n44	2s49

Julian Day Number = 2107127.5, Delta T = 20m14s
Ecliptic obliquity = 23°33'50, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°35'43, Lahiri = 10°42'44 Julian Calendar 1 Jan. 1057 == Greg. Calendar 7 Jan. 1057

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1057
geocentric

FEBRUARY 1057 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 7 26	18♒23'00	5♐ 4	5♒59	9♒13	16♐37	3♏42	23♈31	18♏13	29♈37	22♒18	0°R21	1♈47	26♉28	26♉30	S 1
S 2	9 11 22	19°23'26	19°20	7°39	10°28	17°18	3°44	23°35	18°13	29°38	22°20	0♈18	1°44	26°35	26°30	S 2
M 3	9 15 19	20°23'50	3♑36	9°20	11°43	17°59	3°46	23°40	18°14	29°39	22°21	0°13	1°41	26°42	26°31	M 3
T 4	9 19 15	21°24'12	17°48	11° 2	12°58	18°40	3°47	23°45	18°15	29°40	22°23	0° 7	1°38	26°48	26°31	T 4
W 5	9 23 12	22°24'33	1♒53	12°45	14°13	19°21	3°49	23°50	18°15	29°41	22°25	0° 1	1°35	26°55	26°32	W 5
T 6	9 27 9	23°24'52	15°45	14°29	15°28	20° 2	3°50	23°55	18°16	29°42	22°26	29♓55	1°31	27° 2	26°32	T 6
F 7	9 31 5	24°25'09	29°21	16°14	16°43	20°43	3°51	24° 0	18°16	29°43	22°28	29°50	1°28	27° 8	26°33	F 7
S 8	9 35 2	25°25'24	12♓38	18° 0	17°57	21°24	3°52	24° 5	18°17	29°44	22°30	29°47	1°25	27°15	26°34	S 8
S 9	9 38 58	26°25'37	25°35	19°47	19°12	22° 5	3°52	24°10	18°17	29°45	22°31	29°D46	1°22	27°22	26°35	S 9
M10	9 42 55	27°25'49	8♈13	21°35	20°27	22°46	3°53	24°16	18°17	29°47	22°33	29°46	1°19	27°29	26°36	M10
T 11	9 46 51	28°25'58	20°33	23°24	21°42	23°27	3°53	24°21	18°18	29°48	22°35	29°47	1°16	27°35	26°37	T 11
W12	9 50 48	29°26'05	2♉40	25°15	22°57	24° 8	3°R53	24°27	18°18	29°49	22°36	29°49	1°12	27°42	26°38	W12
T 13	9 54 44	0♓26'10	14°37	27° 6	24°12	24°49	3°53	24°32	18°18	29°51	22°38	29°51	1° 9	27°49	26°39	T 13
F 14	9 58 41	1°26'13	26°28	28°58	25°27	25°30	3°53	24°38	18°18	29°52	22°40	29°R52	1° 6	27°55	26°40	F 14
S 15	10 2 38	2°26'14	8♊20	0♓51	26°41	26°12	3°52	24°43	18°R18	29°53	22°41	29°52	1° 3	28° 2	26°42	S 15
S 16	10 6 34	3°26'13	20°17	2°45	27°56	26°53	3°51	24°49	18°18	29°55	22°43	29°50	1° 0	28° 9	26°43	S 16
M17	10 10 31	4°26'09	2♋23	4°41	29°11	27°34	3°50	24°55	18°18	29°56	22°45	29°48	0°56	28°15	26°44	M17
T 18	10 14 27	5°26'04	14°42	6°37	0♓26	28°15	3°49	25° 1	18°18	29°58	22°46	29°45	0°53	28°22	26°46	T 18
W19	10 18 24	6°25'56	27°18	8°33	1°41	28°56	3°48	25° 7	18°18	29°59	22°48	29°41	0°50	28°29	26°47	W19
T 20	10 22 20	7°25'45	10♌13	10°31	2°55	29°37	3°47	25°13	18°18	0♉ 1	22°50	29°37	0°47	28°36	26°49	T 20
F 21	10 26 17	8°25'33	23°27	12°29	4°10	0♑18	3°45	25°19	18°17	0° 2	22°51	29°34	0°44	28°42	26°51	F 21
S 22	10 30 13	9°25'19	6♍59	14°28	5°25	0°59	3°43	25°25	18°17	0° 4	22°53	29°32	0°41	28°49	26°53	S 22
S 23	10 34 10	10°25'02	20°48	16°27	6°40	1°40	3°41	25°31	18°17	0° 5	22°54	29°31	0°37	28°56	26°54	S 23
M24	10 38 7	11°24'43	4♎50	18°26	7°54	2°21	3°39	25°38	18°16	0° 7	22°56	29°D31	0°34	29° 2	26°56	M24
T 25	10 42 3	12°24'23	19° 1	20°25	9° 9	3° 3	3°36	25°44	18°16	0° 8	22°58	29°31	0°31	29° 9	26°58	T 25
W26	10 46 0	13°24'01	3♏18	22°24	10°24	3°44	3°34	25°50	18°15	0°10	22°59	29°32	0°28	29°16	27° 0	W26
T 27	10 49 56	14°23'36	17°36	24°22	11°38	4°25	3°31	25°57	18°14	0°12	23° 1	29°34	0°25	29°22	27° 2	T 27
F 28	10 53 53	15♓23'11	1♐53	26♓18	12♓53	5♑ 6	3♏28	26♈ 3	18♏14	0♉14	23♒ 2	29♓35	0♈22	29♉29	27♉ 5	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s24	25s51	4s40	20s48	2s 0	19s 6	1s 6	22s52	0n 1	11s34	1n20	6n59	2s21	17s 2	0n19	9n40	1s50	25s28	12s 1	0n 8	0n43	23n33	16n44	2s49
S 2	15 5	28 11	5 4	20 25	2 2	18 47	1 7	22 57	0s 0	11 34	1 20	7 1	2 21	17 3	0 19	9 41	1 50	25 27	12 1	0 7	0 42	23 35	16 44	2 49
M 3	14 46	28 40	5 9	19 59	2 3	18 28	1 9	23 2	0 1	11 35	1 20	7 3	2 21	17 3	0 19	9 41	1 50	25 26	12 1	0 5	0 40	23 37	16 44	2 49
T 4	14 27	27 15	4 55	19 33	2 5	18 8	1 10	23 7	0 2	11 35	1 21	7 5	2 21	17 3	0 19	9 42	1 50	25 26	12 1	0 3	0 39	23 39	16 45	2 49
W 5	14 7	24 7	4 23	19 5	2 6	17 47	1 11	23 11	0 3	11 35	1 21	7 7	2 20	17 3	0 19	9 42	1 50	25 25	12 1	0 0	0 38	23 41	16 45	2 48
T 6	13 47	19 38	3 36	18 35	2 6	17 26	1 13	23 15	0 4	11 35	1 21	7 9	2 20	17 3	0 19	9 43	1 50	25 25	12 1	0s 2	0 37	23 43	16 45	2 48
F 7	13 27	14 13	2 38	18 3	2 6	17 5	1 14	23 19	0 5	11 36	1 21	7 12	2 20	17 3	0 19	9 43	1 50	25 24	12 1	0 4	0 35	23 45	16 45	2 48
S 8	13 7	8 16	1 32	17 30	2 6	16 43	1 15	23 23	0 6	11 36	1 21	7 14	2 20	17 4	0 19	9 43	1 50	25 24	12 1	0 5	0 34	23 47	16 46	2 48
S 9	12 46	2 7	0 23	16 56	2 5	16 21	1 16	23 26	0 7	11 36	1 22	7 16	2 19	17 4	0 19	9 44	1 50	25 23	12 1	0 6	0 33	23 50	16 46	2 48
M10	12 26	3n59	0n46	16 20	2 3	15 58	1 17	23 30	0 8	11 36	1 22	7 18	2 19	17 4	0 19	9 44	1 50	25 23	12 1	0 6	0 31	23 52	16 46	2 48
T 11	12 5	9 47	1 51	15 42	2 2	15 35	1 18	23 33	0 9	11 35	1 22	7 20	2 19	17 4	0 19	9 45	1 50	25 22	12 1	0 5	0 30	23 54	16 47	2 48
W12	11 44	15 7	2 50	15 3	1 59	15 11	1 19	23 36	0 10	11 35	1 22	7 22	2 19	17 4	0 19	9 45	1 50	25 22	12 1	0 4	0 29	23 56	16 47	2 48
T 13	11 23	19 49	3 41	14 22	1 57	14 47	1 20	23 38	0 11	11 35	1 22	7 25	2 18	17 4	0 19	9 46	1 50	25 21	12 1	0 4	0 28	23 58	16 47	2 48
F 14	11 1	23 43	4 22	13 40	1 53	14 22	1 21	23 41	0 12	11 35	1 23	7 27	2 18	17 4	0 19	9 46	1 50	25 21	12 1	0 3	0 26	24 0	16 48	2 48
S 15	10 40	26 37	4 52	12 56	1 49	13 58	1 22	23 43	0 13	11 34	1 23	7 29	2 18	17 4	0 19	9 47	1 50	25 20	12 1	0 3	0 25	24 2	16 48	2 47
S 16	10 18	28 21	5 9	12 10	1 45	13 32	1 22	23 45	0 14	11 34	1 23	7 31	2 18	17 4	0 19	9 48	1 49	25 20	12 2	0 4	0 24	24 4	16 49	2 47
M17	9 56	28 46	5 13	11 24	1 40	13 7	1 23	23 47	0 15	11 34	1 23	7 34	2 18	17 4	0 19	9 48	1 49	25 19	12 2	0 5	0 23	24 6	16 49	2 47
T 18	9 34	27 46	5 3	10 35	1 34	12 41	1 24	23 49	0 16	11 33	1 23	7 36	2 17	17 4	0 19	9 49	1 49	25 19	12 2	0 6	0 21	24 8	16 49	2 47
W19	9 12	25 21	4 38	9 46	1 28	12 14	1 24	23 50	0 17	11 32	1 24	7 39	2 17	17 4	0 19	9 49	1 49	25 18	12 2	0 8	0 20	24 10	16 50	2 47
T 20	8 50	21 36	3 59	8 55	1 21	11 48	1 25	23 52	0 18	11 32	1 24	7 41	2 17	17 4	0 19	9 50	1 49	25 18	12 2	0 9	0 19	24 12	16 50	2 47
F 21	8 27	16 42	3 6	8 3	1 14	11 21	1 25	23 53	0 19	11 31	1 24	7 43	2 17	17 4	0 19	9 50	1 49	25 17	12 2	0 10	0 18	24 14	16 51	2 47
S 22	8 5	10 52	2 1	7 10	1 6	10 54	1 25	23 54	0 20	11 30	1 24	7 46	2 17	17 4	0 19	9 51	1 49	25 17	12 2	0 11	0 16	24 16	16 51	2 47
S 23	7 42	4 24	0 48	6 16	0 58	10 26	1 25	23 54	0 21	11 29	1 24	7 48	2 16	17 3	0 19	9 52	1 49	25 17	12 2	0 12	0 15	24 18	16 52	2 47
M24	7 19	2s23	0s29	5 21	0 49	9 58	1 26	23 55	0 22	11 28	1 24	7 51	2 16	17 3	0 19	9 52	1 49	25 16	12 2	0 12	0 14	24 20	16 52	2 47
T 25	6 56	9 7	1 46	4 25	0 39	9 30	1 26	23 55	0 23	11 27	1 25	7 53	2 16	17 3	0 19	9 53	1 49	25 16	12 3	0 11	0 12	24 22	16 53	2 46
W26	6 33	15 26	2 56	3 29	0 29	9 2	1 26	23 55	0 24	11 26	1 25	7 56	2 16	17 3	0 19	9 53	1 49	25 15	12 3	0 11	0 11	24 24	16 53	2 46
T 27	6 10	20 56	3 55	2 32	0 19	8 33	1 26	23 55	0 26	11 25	1 25	7 58	2 16	17 3	0 19	9 54	1 49	25 15	12 3	0 11	0 10	24 26	16 54	2 46
F 28	5s47	25s13	4s40	1s35	0s 7	8s 5	1s26	23s55	0s27	11s24	1n25	8n 1	2s15	17s 3	0n19	9n55	1s49	25s14	12s 3	0s10	0n 9	24n27	16n55	2s46

Julian Day Number = 2107158.5, Delta T = 20m14s
Ecliptic obliquity = 23°33'50, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°35'48, Lahiri = 10°42'48 Julian Calendar 1 Feb. 1057 == Greg. Calendar 7 Feb. 1057

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1057
geocentric

MARCH 1057 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 57 49	16♓22'43	16♐ 6	28♓14	14♓ 7	5♑47	3°R25	26♈10	18°R13	0♉15	23♒ 4	29°R35	0♈18	29♉36	27♉ 7	S 1
S 2	11 1 46	17°22'14	0♑13	0♈ 8	15°22	6°28	3♏22	26°16	18♏12	0°17	23° 5	29♓35	0°15	29°43	27° 9	S 2
M 3	11 5 42	18°21'43	14°11	2° 0	16°37	7° 9	3°18	26°23	18°12	0°19	23° 7	29°34	0°12	29°49	27°11	M 3
T 4	11 9 39	19°21'10	27°59	3°49	17°51	7°51	3°15	26°30	18°11	0°21	23° 9	29°33	0° 9	29°56	27°14	T 4
W 5	11 13 36	20°20'36	11♒35	5°35	19° 6	8°32	3°11	26°37	18°10	0°22	23°10	29°31	0° 6	0♊ 3	27°16	W 5
T 6	11 17 32	21°19'59	25° 0	7°18	20°20	9°13	3° 7	26°43	18° 9	0°24	23°12	29°30	0° 2	0° 9	27°19	T 6
F 7	11 21 29	22°19'20	8♓10	8°57	21°35	9°54	3° 3	26°50	18° 8	0°26	23°13	29°29	29♓59	0°16	27°21	F 7
S 8	11 25 25	23°18'39	21° 6	10°31	22°49	10°35	2°59	26°57	18° 7	0°28	23°15	29°29	29°56	0°23	27°24	S 8
S 9	11 29 22	24°17'57	3♈47	12° 1	24° 4	11°16	2°54	27° 4	18° 6	0°30	23°16	29°D29	29°53	0°30	27°27	S 9
M10	11 33 18	25°17'12	16°15	13°26	25°18	11°57	2°50	27°11	18° 5	0°32	23°18	29°29	29°50	0°36	27°30	M10
T 11	11 37 15	26°16'24	28°29	14°46	26°33	12°39	2°45	27°18	18° 3	0°34	23°19	29°30	29°47	0°43	27°32	T 11
W12	11 41 11	27°15'35	10♉34	16° 0	27°47	13°20	2°40	27°25	18° 2	0°36	23°20	29°30	29°43	0°50	27°35	W12
T 13	11 45 8	28°14'44	22°30	17° 8	29° 2	14° 1	2°35	27°32	18° 1	0°38	23°22	29°30	29°40	0°56	27°38	T 13
F 14	11 49 4	29°13'50	4♊22	18°10	0♈16	14°42	2°30	27°39	18° 0	0°39	23°23	29°R30	29°37	1° 3	27°41	F 14
S 15	11 53 1	0♈12'54	16°14	19° 5	1°31	15°23	2°24	27°46	17°58	0°41	23°25	29°30	29°34	1°10	27°44	S 15
S 16	11 56 58	1°11'55	28°10	19°54	2°45	16° 4	2°19	27°54	17°57	0°43	23°26	29°D30	29°31	1°16	27°47	S 16
M17	12 0 54	2°10'54	10♋15	20°37	3°59	16°45	2°13	28° 1	17°55	0°46	23°27	29°30	29°28	1°23	27°50	M17
T 18	12 4 51	3° 9'51	22°33	21°13	5°14	17°26	2° 7	28° 8	17°54	0°48	23°29	29°30	29°24	1°30	27°54	T 18
W19	12 8 47	4° 8'46	5♌ 9	21°42	6°28	18° 7	2° 1	28°15	17°52	0°50	23°30	29°31	29°21	1°37	27°57	W19
T 20	12 12 44	5° 7'38	18° 5	22° 4	7°42	18°48	1°55	28°23	17°51	0°52	23°31	29°31	29°18	1°43	28° 0	T 20
F 21	12 16 40	6° 6'28	1♍25	22°19	8°57	19°29	1°49	28°30	17°49	0°54	23°33	29°32	29°15	1°50	28° 4	F 21
S 22	12 20 37	7° 5'16	15° 9	22°28	10°11	20°10	1°43	28°38	17°48	0°56	23°34	29°32	29°12	1°57	28° 7	S 22
S 23	12 24 33	8° 4'01	29°14	22°R30	11°25	20°51	1°37	28°45	17°46	0°58	23°35	29°R32	29° 8	2° 3	28°10	S 23
M24	12 28 30	9° 2'45	13♎39	22°26	12°39	21°32	1°30	28°52	17°44	1° 0	23°37	29°32	29° 5	2°10	28°14	M24
T 25	12 32 27	10° 1'26	28°18	22°16	13°54	22°13	1°24	29° 0	17°42	1° 2	23°38	29°32	29° 2	2°17	28°18	T 25
W26	12 36 23	11° 0'06	13♏ 3	22° 0	15° 8	22°54	1°17	29° 7	17°41	1° 4	23°39	29°30	28°59	2°24	28°21	W26
T 27	12 40 20	11°58'43	27°48	21°39	16°22	23°35	1°10	29°15	17°39	1° 6	23°40	29°29	28°56	2°30	28°25	T 27
F 28	12 44 16	12°57'20	12♐26	21°13	17°36	24°16	1° 3	29°22	17°37	1° 9	23°41	29°27	28°53	2°37	28°28	F 28
S 29	12 48 13	13°55'54	26°52	20°43	18°50	24°57	0°56	29°30	17°35	1°11	23°43	29°26	28°49	2°44	28°32	S 29
S 30	12 52 9	14°54'27	11♑ 2	20° 9	20° 5	25°38	0°49	29°38	17°33	1°13	23°44	29°D26	28°46	2°50	28°36	S 30
M31	12 56 6	15♈52'58	24♑54	19♈32	21♈19	26♑19	0♏42	29♈45	17♏31	1♉15	23♒45	29♓26	28♓43	2♊57	28♉40	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s24	27s56	5s 8	0s39	0n 4	7s36	1s26	23s54	0s28	11s23	1n25	8n 3	2s15	17s 2	0n19	9n55	1s49	25s14	12s 3	0s10	0n 7	24n29	16n55	2s46
S 2	5 1	28 50	5 16	0n18	0 16	7 6	1 25	23 53	0 29	11 22	1 26	8 6	2 15	17 2	0 19	9 56	1 49	25 14	12 3	0 10	0 6	24 31	16 56	2 46
M 3	4 38	27 53	5 6	1 13	0 28	6 37	1 25	23 52	0 30	11 20	1 26	8 8	2 15	17 2	0 19	9 57	1 49	25 13	12 3	0 10	0 5	24 33	16 56	2 46
T 4	4 14	25 13	4 38	2 8	0 40	6 8	1 25	23 51	0 31	11 19	1 26	8 11	2 15	17 2	0 19	9 57	1 49	25 13	12 4	0 11	0 4	24 35	16 57	2 46
W 5	3 51	21 9	3 55	3 2	0 52	5 38	1 25	23 50	0 33	11 18	1 26	8 13	2 15	17 1	0 19	9 58	1 49	25 13	12 4	0 11	0 2	24 37	16 58	2 46
T 6	3 27	16 5	3 0	3 54	1 5	5 8	1 24	23 48	0 34	11 16	1 26	8 16	2 14	17 1	0 19	9 59	1 49	25 12	12 4	0 12	0 1	24 39	16 58	2 46
F 7	3 4	10 20	1 55	4 45	1 17	4 38	1 24	23 46	0 35	11 15	1 26	8 19	2 14	17 1	0 19	9 59	1 49	25 12	12 4	0 12	0s 0	24 41	16 59	2 46
S 8	2 40	4 15	0 46	5 33	1 30	4 8	1 23	23 44	0 36	11 13	1 26	8 21	2 14	17 1	0 19	10 0	1 49	25 12	12 4	0 12	0 2	24 43	17 0	2 46
S 9	2 17	1n53	0n24	6 20	1 42	3 38	1 22	23 42	0 37	11 11	1 27	8 24	2 14	17 0	0 19	10 1	1 49	25 11	12 5	0 12	0 3	24 45	17 0	2 45
M10	1 53	7 50	1 32	7 4	1 53	3 7	1 22	23 40	0 39	11 10	1 27	8 26	2 14	17 0	0 19	10 1	1 48	25 11	12 5	0 12	0 4	24 46	17 1	2 45
T 11	1 29	13 23	2 34	7 45	2 4	2 37	1 21	23 37	0 40	11 8	1 27	8 29	2 14	17 0	0 19	10 2	1 48	25 11	12 5	0 12	0 5	24 48	17 2	2 45
W12	1 6	18 22	3 29	8 24	2 15	2 6	1 20	23 35	0 41	11 6	1 27	8 32	2 14	16 59	0 19	10 3	1 48	25 10	12 5	0 12	0 7	24 50	17 3	2 45
T 13	0 42	22 34	4 13	9 0	2 25	1 36	1 19	23 32	0 42	11 4	1 27	8 34	2 13	16 59	0 19	10 4	1 48	25 10	12 5	0 12	0 8	24 52	17 3	2 45
F 14	0 18	25 50	4 47	9 32	2 35	1 5	1 18	23 28	0 44	11 2	1 27	8 37	2 13	16 59	0 19	10 4	1 48	25 10	12 6	0 12	0 9	24 54	17 4	2 45
S 15	0n 5	27 58	5 9	10 2	2 43	0 35	1 17	23 25	0 45	11 0	1 27	8 40	2 13	16 58	0 19	10 5	1 48	25 9	12 6	0 12	0 10	24 56	17 5	2 45
S 16	0 29	28 50	5 17	10 27	2 51	0 4	1 16	23 21	0 46	10 58	1 27	8 43	2 13	16 58	0 19	10 6	1 48	25 9	12 6	0 12	0 12	24 58	17 5	2 45
M17	0 52	28 21	5 12	10 50	2 58	0n27	1 15	23 18	0 48	10 56	1 28	8 45	2 13	16 57	0 19	10 6	1 48	25 9	12 6	0 12	0 13	24 59	17 6	2 45
T 18	1 16	26 28	4 52	11 9	3 3	0 57	1 14	23 14	0 49	10 54	1 28	8 48	2 13	16 57	0 19	10 7	1 48	25 9	12 6	0 12	0 14	25 1	17 7	2 45
W19	1 39	23 15	4 18	11 24	3 8	1 28	1 13	23 10	0 50	10 52	1 28	8 51	2 13	16 57	0 19	10 8	1 48	25 8	12 7	0 12	0 16	25 3	17 8	2 45
T 20	2 3	18 49	3 30	11 35	3 11	1 59	1 12	23 5	0 52	10 50	1 28	8 53	2 13	16 56	0 19	10 9	1 48	25 8	12 7	0 12	0 17	25 5	17 9	2 45
F 21	2 26	13 21	2 30	11 43	3 13	2 29	1 10	23 1	0 53	10 48	1 28	8 56	2 12	16 56	0 19	10 9	1 48	25 8	12 7	0 11	0 18	25 7	17 9	2 45
S 22	2 50	7 6	1 19	11 47	3 14	3 0	1 9	22 56	0 54	10 45	1 28	8 59	2 12	16 55	0 19	10 10	1 48	25 8	12 7	0 11	0 19	25 8	17 10	2 45
S 23	3 13	0 20	0 2	11 47	3 13	3 30	1 7	22 51	0 56	10 43	1 28	9 2	2 12	16 55	0 19	10 11	1 48	25 7	12 8	0 11	0 21	25 10	17 11	2 45
M24	3 36	6s36	1s17	11 44	3 11	4 1	1 6	22 46	0 57	10 41	1 28	9 4	2 12	16 54	0 19	10 12	1 48	25 7	12 8	0 11	0 22	25 12	17 12	2 44
T 25	3 59	13 18	2 33	11 37	3 7	4 31	1 4	22 41	0 59	10 39	1 28	9 7	2 12	16 54	0 19	10 12	1 48	25 7	12 8	0 11	0 23	25 14	17 13	2 44
W26	4 23	19 18	3 38	11 26	3 2	5 1	1 3	22 36	1 0	10 36	1 28	9 10	2 12	16 53	0 19	10 13	1 48	25 7	12 8	0 12	0 24	25 15	17 13	2 44
T 27	4 46	24 8	4 29	11 12	2 56	5 32	1 1	22 30	1 1	10 34	1 28	9 13	2 12	16 53	0 19	10 14	1 48	25 7	12 9	0 12	0 26	25 17	17 14	2 44
F 28	5 9	27 24	5 2	10 54	2 48	6 2	1 0	22 24	1 3	10 31	1 28	9 15	2 12	16 52	0 19	10 15	1 48	25 6	12 9	0 13	0 27	25 19	17 15	2 44
S 29	5 31	28 47	5 16	10 34	2 38	6 32	0 58	22 18	1 4	10 29	1 28	9 18	2 12	16 52	0 19	10 16	1 48	25 6	12 9	0 13	0 28	25 21	17 16	2 44
S 30	5 54	28 15	5 10	10 11	2 27	7 1	0 56	22 12	1 6	10 26	1 28	9 21	2 12	16 51	0 19	10 16	1 48	25 6	12 9	0 14	0 30	25 22	17 17	2 44
M31	6n17	25s56	4s45	9n46	2n15	7n31	0s54	22s 6	1s 7	10s24	1n28	9n24	2s12	16s50	0n19	10n17	1s48	25s 6	12s10	0s14	0s31	25n24	17n18	2s44

Julian Day Number = 2107186.5, Delta T = 20m13s
Ecliptic obliquity = 23°33'51, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°35'52, Lahiri = 10°42'52 Julian Calendar 1 March 1057 == Greg. Calendar 7 March 1057

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1057
geocentric

APRIL 1057 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 0 2	16♈51'27	8♒29	18°R53	22♈33	26♑59	0°R35	29♈53	17°R29	1♉17	23♒46	29♓27	28♓40	3♊ 4	28♉44	T 1
W 2	13 3 59	17°49'55	21°46	18♈12	23°47	27°40	0♏28	0♉ 1	17♏27	1°20	23°47	29°28	28°37	3°10	28°47	W 2
T 3	13 7 56	18°48'21	4♓48	17°31	25° 1	28°21	0°21	0° 8	17°25	1°22	23°48	29°29	28°33	3°17	28°51	T 3
F 4	13 11 52	19°46'46	17°35	16°49	26°15	29° 2	0°13	0°16	17°23	1°24	23°49	29°30	28°30	3°24	28°55	F 4
S 5	13 15 49	20°45'08	0♈10	16° 9	27°29	29°43	0° 6	0°24	17°21	1°26	23°50	29°R31	28°27	3°31	28°59	S 5
S 6	13 19 45	21°43'29	12°34	15°30	28°43	0♒23	29♎58	0°31	17°19	1°28	23°51	29°30	28°24	3°37	29° 3	S 6
M 7	13 23 42	22°41'48	24°48	14°53	29°57	1° 4	29°51	0°39	17°16	1°31	23°52	29°28	28°21	3°44	29° 8	M 7
T 8	13 27 38	23°40'05	6♉54	14°18	1♉11	1°45	29°43	0°47	17°14	1°33	23°53	29°26	28°18	3°51	29°12	T 8
W 9	13 31 35	24°38'20	18°53	13°47	2°25	2°25	29°36	0°54	17°12	1°35	23°54	29°22	28°14	3°57	29°16	W 9
T 10	13 35 31	25°36'34	0♊47	13°20	3°39	3° 6	29°28	1° 2	17°10	1°37	23°55	29°17	28°11	4° 4	29°20	T 10
F 11	13 39 28	26°34'45	12°38	12°56	4°53	3°46	29°20	1°10	17° 7	1°40	23°56	29°13	28° 8	4°11	29°24	F 11
S 12	13 43 25	27°32'55	24°30	12°37	6° 7	4°27	29°13	1°18	17° 5	1°42	23°57	29° 9	28° 5	4°18	29°28	S 12
S 13	13 47 21	28°31'03	6♋25	12°23	7°21	5° 7	29° 5	1°25	17° 3	1°44	23°58	29° 5	28° 2	4°24	29°33	S 13
M14	13 51 18	29°29'08	18°28	12°12	8°35	5°48	28°57	1°33	17° 1	1°46	23°59	29° 3	27°59	4°31	29°37	M14
T 15	13 55 14	0♌27'12	0♌44	12° 7	9°48	6°28	28°50	1°41	16°58	1°49	23°59	29°D 3	27°55	4°38	29°41	T 15
W16	13 59 11	1°25'14	13°15	12°D 7	11° 2	7° 8	28°42	1°49	16°56	1°51	24° 0	29° 3	27°52	4°44	29°46	W16
T 17	14 3 7	2°23'14	26° 8	12°11	12°16	7°49	28°35	1°57	16°53	1°53	24° 1	29° 5	27°49	4°51	29°50	T 17
F 18	14 7 4	3°21'11	9♍25	12°20	13°30	8°29	28°27	2° 4	16°51	1°55	24° 2	29° 6	27°46	4°58	29°55	F 18
S 19	14 11 0	4°19'07	23° 9	12°33	14°44	9° 9	28°19	2°12	16°49	1°58	24° 3	29°R 7	27°43	5° 5	29°59	S 19
S 20	14 14 57	5°17'01	7♎20	12°51	15°57	9°49	28°12	2°20	16°46	2° 0	24° 3	29° 7	27°39	5°11	0♊ 4	S 20
M21	14 18 54	6°14'54	21°55	13°13	17°11	10°29	28° 4	2°28	16°44	2° 2	24° 4	29° 5	27°36	5°18	0° 8	M21
T 22	14 22 50	7°12'44	6♏50	13°40	18°25	11° 9	27°57	2°35	16°41	2° 4	24° 5	29° 2	27°33	5°25	0°13	T 22
W23	14 26 47	8°10'34	21°57	14°11	19°39	11°49	27°49	2°43	16°39	2° 7	24° 5	28°57	27°30	5°31	0°17	W23
T 24	14 30 43	9° 8'21	7♐ 6	14°46	20°52	12°29	27°42	2°51	16°36	2° 9	24° 6	28°51	27°27	5°38	0°22	T 24
F 25	14 34 40	10° 6'08	22° 6	15°25	22° 6	13° 9	27°35	2°59	16°34	2°11	24° 6	28°46	27°24	5°45	0°26	F 25
S 26	14 38 36	11° 3'54	6♑50	16° 8	23°20	13°49	27°27	3° 6	16°31	2°13	24° 7	28°41	27°20	5°52	0°31	S 26
S 27	14 42 33	12° 1'38	21°12	16°54	24°33	14°28	27°20	3°14	16°29	2°16	24° 8	28°37	27°17	5°58	0°36	S 27
M28	14 46 29	12°59'21	5♒ 9	17°44	25°47	15° 8	27°13	3°22	16°26	2°18	24° 8	28°35	27°14	6° 5	0°40	M28
T 29	14 50 26	13°57'03	18°42	18°37	27° 0	15°48	27° 6	3°29	16°24	2°20	24° 9	28°D35	27°11	6°12	0°45	T 29
W30	14 54 23	14♉54'43	1♓51	19♈34	28♉14	16♒27	26♎59	3♉37	16♏21	2♉22	24♒ 9	28♓36	27♓ 8	6♊18	0♊50	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n39	22s11	4s 6	9n19	2n 2	8n 0	0s52	22s 0	1s 9	10s21	1n28	9n26	2s11	16s50	0n19	10n18	1s48	25s 6	12s10	0s13	0s32	25n26	17n19	2s44
W 2	7 2	17 22	3 13	8 50	1 48	8 30	0 51	21 53	1 10	10 19	1 28	9 29	2 11	16 49	0 19	10 19	1 48	25 6	12 10	0 13	0 33	25 28	17 19	2 44
T 3	7 24	11 51	2 12	8 20	1 33	8 59	0 49	21 46	1 12	10 16	1 28	9 32	2 11	16 49	0 19	10 19	1 48	25 6	12 11	0 12	0 35	25 29	17 20	2 44
F 4	7 46	5 56	1 5	7 49	1 17	9 28	0 47	21 39	1 13	10 14	1 28	9 35	2 11	16 48	0 19	10 20	1 48	25 6	12 11	0 12	0 36	25 31	17 21	2 44
S 5	8 9	0n 7	0n 4	7 19	1 0	9 56	0 45	21 32	1 15	10 11	1 28	9 37	2 11	16 48	0 19	10 21	1 48	25 5	12 11	0 12	0 37	25 33	17 22	2 44
S 6	8 31	6 5	1 11	6 48	0 44	10 25	0 43	21 25	1 16	10 8	1 28	9 40	2 11	16 47	0 19	10 22	1 48	25 5	12 11	0 12	0 38	25 34	17 23	2 44
M 7	8 52	11 44	2 15	6 18	0 27	10 53	0 40	21 17	1 18	10 6	1 28	9 43	2 11	16 46	0 19	10 23	1 48	25 5	12 12	0 13	0 40	25 36	17 24	2 44
T 8	9 14	16 53	3 11	5 49	0 10	11 21	0 38	21 10	1 19	10 3	1 28	9 46	2 11	16 46	0 19	10 23	1 48	25 5	12 12	0 14	0 41	25 38	17 25	2 44
W 9	9 36	21 21	3 58	5 22	0s 7	11 49	0 36	21 2	1 21	10 1	1 28	9 48	2 11	16 45	0 19	10 24	1 48	25 5	12 12	0 15	0 42	25 39	17 26	2 44
T 10	9 57	24 54	4 35	4 56	0 24	12 16	0 34	20 54	1 22	9 58	1 28	9 51	2 11	16 44	0 19	10 25	1 48	25 5	12 13	0 17	0 43	25 41	17 27	2 44
F 11	10 18	27 23	5 0	4 32	0 40	12 43	0 32	20 46	1 24	9 55	1 28	9 54	2 11	16 44	0 19	10 26	1 48	25 5	12 13	0 19	0 45	25 43	17 28	2 44
S 12	10 39	28 38	5 12	4 10	0 55	13 10	0 30	20 38	1 26	9 53	1 28	9 56	2 11	16 43	0 19	10 26	1 48	25 5	12 13	0 21	0 46	25 44	17 28	2 44
S 13	11 0	28 34	5 10	3 50	1 10	13 36	0 27	20 30	1 27	9 50	1 28	9 59	2 11	16 43	0 19	10 27	1 48	25 5	12 14	0 22	0 47	25 46	17 29	2 44
M14	11 21	27 9	4 55	3 33	1 24	14 2	0 25	20 21	1 29	9 47	1 28	10 2	2 11	16 42	0 19	10 28	1 48	25 5	12 14	0 23	0 49	25 48	17 30	2 44
T 15	11 41	24 26	4 26	3 19	1 38	14 28	0 23	20 13	1 31	9 45	1 28	10 5	2 11	16 41	0 19	10 29	1 48	25 5	12 14	0 23	0 50	25 49	17 31	2 44
W16	12 2	20 31	3 44	3 7	1 51	14 54	0 20	20 4	1 32	9 42	1 28	10 7	2 11	16 41	0 19	10 30	1 48	25 5	12 14	0 23	0 51	25 51	17 32	2 44
T 17	12 22	15 32	2 50	2 58	2 2	15 19	0 18	19 55	1 34	9 39	1 28	10 10	2 11	16 40	0 19	10 30	1 48	25 5	12 15	0 22	0 52	25 52	17 33	2 44
F 18	12 42	9 42	1 45	2 51	2 13	15 43	0 16	19 46	1 35	9 37	1 28	10 13	2 11	16 39	0 19	10 31	1 48	25 5	12 15	0 21	0 54	25 54	17 34	2 44
S 19	13 2	3 14	0 33	2 47	2 23	16 8	0 13	19 37	1 37	9 34	1 28	10 15	2 11	16 39	0 19	10 32	1 48	25 5	12 15	0 21	0 55	25 56	17 35	2 44
S 20	13 21	3s36	0s45	2 46	2 33	16 32	0 11	19 28	1 39	9 31	1 28	10 18	2 11	16 38	0 19	10 33	1 48	25 5	12 16	0 21	0 56	25 57	17 36	2 44
M21	13 40	10 27	2 1	2 47	2 41	16 55	0 8	19 19	1 40	9 29	1 28	10 21	2 11	16 37	0 19	10 33	1 48	25 5	12 16	0 22	0 57	25 59	17 37	2 44
T 22	13 59	16 52	3 10	2 50	2 48	17 18	0 6	19 9	1 42	9 26	1 27	10 23	2 11	16 36	0 19	10 34	1 48	25 5	12 16	0 23	0 59	26 0	17 38	2 44
W23	14 18	22 20	4 8	2 56	2 55	17 41	0 4	19 0	1 44	9 24	1 27	10 26	2 11	16 36	0 19	10 35	1 48	25 5	12 17	0 25	1 0	26 2	17 39	2 44
T 24	14 37	26 20	4 48	3 5	3 1	18 3	0 1	18 50	1 46	9 21	1 27	10 29	2 11	16 35	0 19	10 36	1 48	25 6	12 17	0 27	1 1	26 3	17 40	2 44
F 25	14 55	28 26	5 7	3 15	3 5	18 25	0n 1	18 40	1 47	9 19	1 27	10 31	2 11	16 34	0 19	10 37	1 48	25 6	12 17	0 30	1 3	26 5	17 40	2 44
S 26	15 14	28 29	5 6	3 28	3 9	18 46	0 4	18 30	1 49	9 16	1 27	10 34	2 11	16 34	0 19	10 37	1 48	25 6	12 18	0 32	1 4	26 7	17 41	2 44
S 27	15 31	26 35	4 46	3 43	3 12	19 6	0 6	18 20	1 51	9 14	1 27	10 37	2 11	16 33	0 19	10 38	1 48	25 6	12 18	0 33	1 5	26 8	17 42	2 44
M28	15 49	23 6	4 9	4 0	3 15	19 27	0 9	18 10	1 53	9 11	1 27	10 39	2 11	16 32	0 19	10 39	1 48	25 6	12 18	0 34	1 6	26 10	17 43	2 44
T 29	16 7	18 27	3 19	4 18	3 16	19 46	0 11	18 0	1 54	9 9	1 27	10 42	2 11	16 32	0 19	10 40	1 48	25 6	12 19	0 34	1 8	26 11	17 44	2 44
W30	16n24	13s 2	2s20	4n39	3s17	20n 5	0n14	17s50	1s56	9s 6	1n26	10n44	2s11	16s31	0n19	10n40	1s48	25s 6	12s19	0s34	1s 9	26n13	17n45	2s44

Julian Day Number = 2107217.5, Delta T = 20m13s
Ecliptic obliquity = 23°33'51, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°35'56, Lahiri = 10°42'56 Julian Calendar 1 Apr. 1057 == Greg. Calendar 7 Apr. 1057

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1057
geocentric

MAY 1057 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 58 19	15♉52'23	14♓41	20♈33	29♉28	17♒ 7	26°R52	3♉45	16°R19	2♉24	24♒10	28♓37	27♓ 5	6♊25	0♊54	T 1
F 2	15 2 16	16°50'02	27°13	21°36	0♊41	17°46	26♎45	3°52	16♏16	2°27	24°10	28°R38	27° 1	6°32	0°59	F 2
S 3	15 6 12	17°47'39	9♈33	22°42	1°55	18°25	26°38	4° 0	16°14	2°29	24°10	28°37	26°58	6°39	1° 4	S 3
S 4	15 10 9	18°45'15	21°43	23°51	3° 8	19° 5	26°32	4° 8	16°11	2°31	24°11	28°35	26°55	6°45	1° 9	S 4
M 5	15 14 5	19°42'51	3♉46	25° 2	4°22	19°44	26°25	4°15	16° 9	2°33	24°11	28°30	26°52	6°52	1°13	M 5
T 6	15 18 2	20°40'25	15°43	26°17	5°35	20°23	26°19	4°23	16° 7	2°35	24°12	28°23	26°49	6°59	1°18	T 6
W 7	15 21 58	21°37'58	27°36	27°34	6°49	21° 2	26°12	4°30	16° 4	2°38	24°12	28°14	26°45	7° 5	1°23	W 7
T 8	15 25 55	22°35'30	9♊28	28°54	8° 2	21°41	26° 6	4°38	16° 2	2°40	24°12	28° 3	26°42	7°12	1°28	T 8
F 9	15 29 52	23°33'01	21°20	0♉16	9°16	22°19	26° 0	4°45	15°59	2°42	24°12	27°53	26°39	7°19	1°32	F 9
S 10	15 33 48	24°30'30	3♋13	1°42	10°29	22°58	25°54	4°53	15°57	2°44	24°13	27°43	26°36	7°26	1°37	S 10
S 11	15 37 45	25°27'59	15°10	3° 9	11°42	23°37	25°48	5° 0	15°54	2°46	24°13	27°35	26°33	7°32	1°42	S 11
M12	15 41 41	26°25'26	27°14	4°40	12°56	24°15	25°42	5° 8	15°52	2°48	24°13	27°29	26°30	7°39	1°47	M12
T 13	15 45 38	27°22'52	9♌28	6°13	14° 9	24°53	25°37	5°15	15°49	2°50	24°13	27°25	26°26	7°46	1°52	T 13
W14	15 49 34	28°20'16	21°57	7°48	15°23	25°32	25°31	5°23	15°47	2°52	24°13	27°23	26°23	7°52	1°57	W14
T 15	15 53 31	29°17'40	4♍45	9°26	16°36	26°10	25°26	5°30	15°44	2°54	24°13	27°D23	26°20	7°59	2° 1	T 15
F 16	15 57 27	0♊15'02	17°56	11° 7	17°49	26°48	25°21	5°37	15°42	2°57	24°14	27°24	26°17	8° 6	2° 6	F 16
S 17	16 1 24	1°12'22	1♎33	12°50	19° 2	27°26	25°16	5°45	15°40	2°59	24°14	27°R24	26°14	8°13	2°11	S 17
S 18	16 5 21	2° 9'42	15°39	14°35	20°16	28° 3	25°11	5°52	15°37	3° 1	24°14	27°22	26°11	8°19	2°16	S 18
M19	16 9 17	3° 7'01	0♏12	16°24	21°29	28°41	25° 6	5°59	15°35	3° 3	24°R14	27°19	26° 7	8°26	2°21	M19
T 20	16 13 14	4° 4'19	15° 9	18°14	22°42	29°18	25° 1	6° 6	15°33	3° 5	24°14	27°13	26° 4	8°33	2°26	T 20
W21	16 17 10	5° 1'36	0♐23	20° 7	23°55	29°56	24°57	6°13	15°30	3° 7	24°14	27° 5	26° 1	8°39	2°31	W21
T 22	16 21 7	5°58'52	15°42	22° 2	25° 9	0♓33	24°53	6°20	15°28	3° 9	24°14	26°56	25°58	8°46	2°35	T 22
F 23	16 25 3	6°56'08	0♑57	24° 0	26°22	1°10	24°48	6°28	15°26	3°11	24°14	26°46	25°55	8°53	2°40	F 23
S 24	16 29 0	7°53'23	15°55	26° 0	27°35	1°47	24°44	6°35	15°24	3°12	24°13	26°37	25°51	9° 0	2°45	S 24
S 25	16 32 57	8°50'37	0♒30	28° 1	28°48	2°24	24°41	6°42	15°21	3°14	24°13	26°30	25°48	9° 6	2°50	S 25
M26	16 36 53	9°47'52	14°37	0♊ 5	0♋ 1	3° 1	24°37	6°49	15°19	3°16	24°13	26°26	25°45	9°13	2°55	M26
T 27	16 40 50	10°45'06	28°14	2°11	1°14	3°37	24°33	6°56	15°17	3°18	24°13	26°24	25°42	9°20	3° 0	T 27
W28	16 44 46	11°42'19	11♓25	4°18	2°27	4°14	24°30	7° 2	15°15	3°20	24°13	26°D23	25°39	9°26	3° 5	W28
T 29	16 48 43	12°39'32	24°11	6°26	3°40	4°50	24°27	7° 9	15°13	3°22	24°13	26°R23	25°36	9°33	3° 9	T 29
F 30	16 52 39	13°36'45	6♈38	8°36	4°53	5°26	24°24	7°16	15°11	3°24	24°12	26°23	25°32	9°40	3°14	F 30
S 31	16 56 36	14♊33'58	18♈51	10♊46	6♋ 7	6♓ 2	24♎21	7♉23	15♏ 8	3♉26	24♒12	26♓21	25♓29	9♊47	3♊19	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n41	7s13	1s15	5n 1	3s17	20n24	0n16	17s40	1s58	9s 4	1n26	10n47	2s11	16s30	0n19	10n41	1s48	25s 6	12s19	0s33	1s10	26n14	17n46	2s44
F 2	16 57	1 14	0 8	5 26	3 17	20 42	0 19	17 29	2 0	9 2	1 26	10 50	2 11	16 29	0 19	10 42	1 48	25 7	12 20	0 33	1 11	26 16	17 47	2 44
S 3	17 14	4n42	0n59	5 51	3 15	21 0	0 21	17 19	2 2	8 59	1 26	10 52	2 11	16 29	0 19	10 43	1 48	25 7	12 20	0 33	1 13	26 17	17 48	2 44
S 4	17 30	10 23	2 1	6 19	3 13	21 17	0 23	17 8	2 3	8 57	1 26	10 55	2 11	16 28	0 19	10 43	1 48	25 7	12 20	0 34	1 14	26 19	17 49	2 44
M 5	17 45	15 37	2 57	6 47	3 10	21 33	0 26	16 57	2 5	8 55	1 26	10 57	2 11	16 27	0 19	10 44	1 48	25 7	12 21	0 36	1 15	26 20	17 50	2 44
T 6	18 1	20 13	3 45	7 17	3 7	21 49	0 28	16 46	2 7	8 53	1 25	11 0	2 11	16 27	0 19	10 45	1 48	25 7	12 21	0 39	1 16	26 22	17 51	2 45
W 7	18 16	23 59	4 23	7 49	3 3	22 4	0 31	16 36	2 9	8 51	1 25	11 2	2 11	16 26	0 19	10 45	1 48	25 8	12 22	0 43	1 18	26 23	17 52	2 45
T 8	18 31	26 45	4 49	8 22	2 58	22 18	0 33	16 25	2 11	8 49	1 25	11 5	2 11	16 25	0 19	10 46	1 48	25 8	12 22	0 47	1 19	26 24	17 52	2 45
F 9	18 45	28 19	5 2	8 55	2 53	22 32	0 36	16 14	2 13	8 47	1 25	11 7	2 11	16 24	0 19	10 47	1 48	25 8	12 22	0 51	1 20	26 26	17 53	2 45
S 10	19 0	28 34	5 3	9 30	2 48	22 46	0 38	16 3	2 14	8 45	1 25	11 10	2 11	16 24	0 19	10 48	1 48	25 8	12 23	0 55	1 22	26 27	17 54	2 45
S 11	19 14	27 30	4 50	10 6	2 41	22 58	0 40	15 52	2 16	8 43	1 24	11 12	2 11	16 23	0 19	10 48	1 48	25 9	12 23	0 58	1 23	26 29	17 55	2 45
M12	19 27	25 9	4 25	10 43	2 34	23 10	0 43	15 41	2 18	8 41	1 24	11 15	2 11	16 22	0 19	10 49	1 48	25 9	12 23	1 1	1 24	26 30	17 56	2 45
T 13	19 41	21 37	3 47	11 21	2 27	23 22	0 45	15 29	2 20	8 39	1 24	11 17	2 11	16 22	0 19	10 50	1 48	25 9	12 24	1 2	1 25	26 32	17 57	2 45
W14	19 54	17 3	2 57	11 59	2 19	23 32	0 47	15 18	2 22	8 37	1 24	11 19	2 11	16 21	0 19	10 50	1 48	25 9	12 24	1 3	1 27	26 33	17 58	2 45
T 15	20 6	11 39	1 58	12 39	2 11	23 42	0 49	15 7	2 24	8 35	1 24	11 22	2 11	16 20	0 19	10 51	1 48	25 10	12 24	1 3	1 28	26 34	17 59	2 45
F 16	20 19	5 34	0 50	13 18	2 2	23 52	0 52	14 56	2 26	8 34	1 23	11 24	2 11	16 20	0 19	10 52	1 48	25 10	12 25	1 3	1 29	26 36	18 0	2 45
S 17	20 30	0s58	0s22	13 59	1 53	24 0	0 54	14 44	2 28	8 32	1 23	11 27	2 11	16 19	0 19	10 52	1 48	25 10	12 25	1 2	1 30	26 37	18 0	2 45
S 18	20 42	7 39	1 36	14 39	1 43	24 8	0 56	14 33	2 30	8 30	1 23	11 29	2 11	16 18	0 19	10 53	1 48	25 11	12 25	1 3	1 32	26 39	18 1	2 45
M19	20 53	14 10	2 45	15 20	1 33	24 15	0 58	14 22	2 32	8 29	1 23	11 31	2 11	16 18	0 19	10 54	1 48	25 11	12 26	1 4	1 33	26 40	18 2	2 45
T 20	21 4	20 3	3 45	16 1	1 23	24 22	1 0	14 10	2 34	8 27	1 22	11 33	2 11	16 17	0 19	10 54	1 48	25 11	12 26	1 7	1 34	26 41	18 3	2 46
W21	21 15	24 44	4 30	16 42	1 13	24 28	1 2	13 59	2 36	8 26	1 22	11 36	2 11	16 16	0 19	10 55	1 48	25 12	12 26	1 10	1 35	26 43	18 4	2 46
T 22	21 25	27 42	4 56	17 22	1 2	24 33	1 4	13 47	2 38	8 25	1 22	11 38	2 12	16 16	0 19	10 56	1 48	25 12	12 27	1 14	1 37	26 44	18 5	2 46
F 23	21 35	28 35	5 1	18 3	0 51	24 37	1 6	13 36	2 40	8 23	1 22	11 40	2 12	16 15	0 19	10 56	1 48	25 12	12 27	1 18	1 38	26 45	18 5	2 46
S 24	21 44	27 20	4 45	18 42	0 40	24 41	1 8	13 24	2 42	8 22	1 21	11 43	2 12	16 14	0 19	10 57	1 48	25 13	12 27	1 21	1 39	26 47	18 6	2 46
S 25	21 53	24 14	4 11	19 21	0 29	24 44	1 10	13 13	2 44	8 21	1 21	11 45	2 12	16 14	0 19	10 58	1 48	25 13	12 28	1 24	1 41	26 48	18 7	2 46
M26	22 2	19 45	3 22	19 59	0 18	24 46	1 12	13 1	2 46	8 20	1 21	11 47	2 12	16 13	0 19	10 58	1 48	25 13	12 28	1 26	1 42	26 49	18 8	2 46
T 27	22 10	14 23	2 23	20 36	0 7	24 47	1 14	12 50	2 48	8 19	1 21	11 49	2 12	16 12	0 19	10 59	1 48	25 14	12 28	1 26	1 43	26 51	18 9	2 46
W28	22 18	8 32	1 19	21 11	0n 4	24 48	1 15	12 38	2 50	8 18	1 20	11 51	2 12	16 12	0 19	10 59	1 49	25 14	12 29	1 27	1 44	26 52	18 10	2 46
T 29	22 26	2 30	0 12	21 44	0 15	24 48	1 17	12 27	2 52	8 17	1 20	11 53	2 12	16 11	0 19	11 0	1 49	25 14	12 29	1 27	1 46	26 53	18 10	2 47
F 30	22 33	3n29	0n54	22 16	0 25	24 47	1 19	12 16	2 54	8 16	1 20	11 56	2 12	16 11	0 19	11 1	1 49	25 15	12 29	1 27	1 47	26 54	18 11	2 47
S 31	22n40	9n12	1n56	22n46	0n35	24n46	1n20	12s 4	2s56	8s15	1n20	11n58	2s12	16s10	0n19	11n 1	1s49	25s15	12s30	1s27	1s48	26n56	18n12	2s47

Julian Day Number = 2107247.5, Delta T = 20m13s
Ecliptic obliquity = 23°33'50, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°36'00, Lahiri = 10°43'00 Julian Calendar 1 May 1057 == Greg. Calendar 7 May 1057

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1057
geocentric

JUNE 1057 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 0 32	15♊31'11	0♉53	12♊57	7♋20	6♓37	24°R19	7♉29	15°R 6	3♉27	24°R12	26°R17	25♓26	9♊53	3♊24	S 1
M 2	17 4 29	16°28'23	12°49	15° 9	8°33	7°13	24♎16	7°36	15♏ 4	3°29	24♒11	26♓10	25°23	10° 0	3°29	M 2
T 3	17 8 26	17°25'36	24°41	17°20	9°46	7°48	24°14	7°43	15° 2	3°31	24°11	26° 0	25°20	10° 7	3°33	T 3
W 4	17 12 22	18°22'48	6♊32	19°31	10°58	8°23	24°12	7°49	15° 0	3°33	24°11	25°48	25°17	10°14	3°38	W 4
T 5	17 16 19	19°20'00	18°24	21°42	12°11	8°58	24°10	7°56	14°59	3°34	24°10	25°35	25°13	10°20	3°43	T 5
F 6	17 20 15	20°17'12	0♋18	23°52	13°24	9°32	24° 8	8° 2	14°57	3°36	24°10	25°21	25°10	10°27	3°48	F 6
S 7	17 24 12	21°14'23	12°15	26° 1	14°37	10° 7	24° 6	8° 9	14°55	3°38	24° 9	25° 8	25° 7	10°34	3°52	S 7
S 8	17 28 8	22°11'34	24°18	28° 9	15°50	10°41	24° 5	8°15	14°53	3°39	24° 9	24°56	25° 4	10°40	3°57	S 8
M 9	17 32 5	23° 8'45	6♌28	0♋15	17° 3	11°15	24° 4	8°21	14°51	3°41	24° 9	24°48	25° 1	10°47	4° 2	M 9
T 10	17 36 1	24° 5'56	18°47	2°20	18°16	11°49	24° 3	8°28	14°49	3°43	24° 8	24°42	24°57	10°54	4° 6	T 10
W11	17 39 58	25° 3'06	1♍19	4°24	19°29	12°22	24° 2	8°34	14°48	3°44	24° 8	24°38	24°54	11° 1	4°11	W11
T 12	17 43 55	26° 0'16	14° 7	6°26	20°41	12°55	24° 1	8°40	14°46	3°46	24° 7	24°37	24°51	11° 7	4°16	T 12
F 13	17 47 51	26°57'25	27°14	8°26	21°54	13°28	24° 1	8°46	14°44	3°47	24° 6	24°37	24°48	11°14	4°20	F 13
S 14	17 51 48	27°54'34	10♎45	10°24	23° 7	14° 1	24° 0	8°52	14°43	3°49	24° 6	24°37	24°45	11°21	4°25	S 14
S 15	17 55 44	28°51'43	24°41	12°20	24°20	14°33	24°D 0	8°58	14°41	3°50	24° 5	24°35	24°42	11°27	4°29	S 15
M16	17 59 41	29°48'52	9♏ 3	14°14	25°32	15° 6	24° 0	9° 4	14°40	3°52	24° 5	24°31	24°38	11°34	4°34	M16
T 17	18 3 37	0♋46'01	23°50	16° 6	26°45	15°38	24° 1	9°10	14°38	3°53	24° 4	24°25	24°35	11°41	4°39	T 17
W18	18 7 34	1°43'09	8♐55	17°57	27°58	16° 9	24° 1	9°15	14°37	3°54	24° 3	24°16	24°32	11°48	4°43	W18
T 19	18 11 30	2°40'18	24° 9	19°45	29°10	16°41	24° 2	9°21	14°35	3°56	24° 3	24° 6	24°29	11°54	4°48	T 19
F 20	18 15 27	3°37'27	9♑22	21°32	0♌23	17°12	24° 2	9°27	14°34	3°57	24° 2	23°56	24°26	12° 1	4°52	F 20
S 21	18 19 24	4°34'37	24°23	23°16	1°35	17°42	24° 3	9°32	14°33	3°58	24° 1	23°46	24°23	12° 8	4°56	S 21
S 22	18 23 20	5°31'46	9♒ 4	24°58	2°48	18°13	24° 4	9°38	14°31	4° 0	24° 0	23°38	24°19	12°15	5° 1	S 22
M23	18 27 17	6°28'56	23°17	26°39	4° 0	18°43	24° 6	9°43	14°30	4° 1	24° 0	23°33	24°16	12°21	5° 5	M23
T 24	18 31 13	7°26'06	7♓ 0	28°17	5°13	19°13	24° 7	9°49	14°29	4° 2	23°59	23°30	24°13	12°28	5°10	T 24
W25	18 35 10	8°23'18	20°15	29°54	6°25	19°42	24° 9	9°54	14°28	4° 3	23°58	23°D29	24°10	12°35	5°14	W25
T 26	18 39 6	9°20'29	3♈ 5	1♌29	7°38	20°11	24°11	9°59	14°27	4° 5	23°57	23°R29	24° 7	12°41	5°18	T 26
F 27	18 43 3	10°17'42	15°33	3° 1	8°50	20°40	24°13	10° 4	14°26	4° 6	23°56	23°29	24° 3	12°48	5°22	F 27
S 28	18 46 59	11°14'55	27°45	4°32	10° 2	21° 8	24°15	10° 9	14°25	4° 7	23°56	23°28	24° 0	12°55	5°27	S 28
S 29	18 50 56	12°12'09	9♉45	6° 0	11°15	21°36	24°17	10°14	14°24	4° 8	23°55	23°25	23°57	13° 2	5°31	S 29
M30	18 54 53	13♋ 9'24	21♉39	7♌27	12♌27	22♓ 4	24♎20	10♉19	14♏23	4♉ 9	23♒54	23♓19	23♓54	13♊ 8	5♊35	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n46	14n31	2n52	23n13	0n45	24n43	1n22	11s53	2s58	8s15	1n19	12n 0	2s12	16s 9	0n19	11n 2	1s49	25s16	12s30	1s29	1s49	26n57	18n13	2s47
M 2	22 52	19 14	3 39	23 38	0 54	24 41	1 23	11 41	3 0	8 14	1 19	12 2	2 13	16 9	0 19	11 2	1 49	25 16	12 30	1 32	1 51	26 58	18 13	2 47
T 3	22 58	23 11	4 17	24 0	1 3	24 37	1 25	11 30	3 2	8 13	1 19	12 4	2 13	16 8	0 19	11 3	1 49	25 17	12 31	1 36	1 52	27 0	18 14	2 47
W 4	23 3	26 9	4 43	24 20	1 11	24 32	1 26	11 19	3 4	8 13	1 19	12 6	2 13	16 8	0 18	11 3	1 49	25 17	12 31	1 41	1 53	27 1	18 15	2 47
T 5	23 8	27 59	4 57	24 36	1 18	24 27	1 28	11 7	3 6	8 12	1 18	12 8	2 13	16 7	0 18	11 4	1 49	25 17	12 31	1 46	1 54	27 2	18 16	2 47
F 6	23 12	28 32	4 58	24 50	1 25	24 22	1 29	10 56	3 8	8 12	1 18	12 10	2 13	16 7	0 18	11 4	1 49	25 18	12 32	1 51	1 56	27 3	18 16	2 48
S 7	23 16	27 45	4 46	25 2	1 31	24 15	1 30	10 45	3 10	8 12	1 18	12 12	2 13	16 6	0 18	11 5	1 49	25 18	12 32	1 57	1 57	27 4	18 17	2 48
S 8	23 20	25 39	4 22	25 10	1 37	24 8	1 31	10 34	3 12	8 11	1 17	12 14	2 13	16 6	0 18	11 6	1 49	25 19	12 32	2 1	1 58	27 6	18 18	2 48
M 9	23 23	22 23	3 45	25 15	1 42	24 0	1 32	10 23	3 14	8 11	1 17	12 16	2 13	16 5	0 18	11 6	1 49	25 19	12 33	2 5	2 0	27 7	18 19	2 48
T 10	23 26	18 4	2 57	25 18	1 45	23 51	1 33	10 12	3 17	8 11	1 17	12 17	2 14	16 5	0 18	11 7	1 49	25 20	12 33	2 7	2 1	27 8	18 19	2 48
W11	23 28	12 55	2 0	25 18	1 49	23 42	1 34	10 1	3 19	8 11	1 17	12 19	2 14	16 4	0 18	11 7	1 49	25 20	12 33	2 8	2 2	27 9	18 20	2 48
T 12	23 30	7 8	0 55	25 16	1 51	23 32	1 35	9 50	3 21	8 11	1 16	12 21	2 14	16 4	0 18	11 7	1 49	25 21	12 34	2 9	2 3	27 10	18 21	2 49
F 13	23 32	0 54	0s14	25 10	1 53	23 21	1 36	9 39	3 23	8 11	1 16	12 23	2 14	16 3	0 18	11 8	1 49	25 21	12 34	2 9	2 5	27 12	18 21	2 49
S 14	23 33	5s34	1 24	25 3	1 54	23 10	1 37	9 28	3 25	8 11	1 16	12 25	2 14	16 3	0 18	11 8	1 49	25 22	12 34	2 9	2 6	27 13	18 22	2 49
S 15	23 34	11 57	2 32	24 53	1 55	22 58	1 37	9 18	3 27	8 11	1 15	12 26	2 14	16 2	0 18	11 9	1 49	25 22	12 35	2 10	2 7	27 14	18 23	2 49
M16	23 34	17 56	3 32	24 42	1 54	22 45	1 38	9 7	3 29	8 12	1 15	12 28	2 14	16 2	0 18	11 9	1 49	25 23	12 35	2 11	2 8	27 15	18 23	2 49
T 17	23 34	23 0	4 19	24 28	1 53	22 32	1 39	8 56	3 31	8 12	1 15	12 30	2 15	16 1	0 18	11 10	1 49	25 23	12 35	2 14	2 10	27 16	18 24	2 49
W18	23 33	26 40	4 50	24 12	1 52	22 18	1 39	8 46	3 34	8 13	1 15	12 32	2 15	16 1	0 18	11 10	1 49	25 24	12 35	2 17	2 11	27 17	18 25	2 50
T 19	23 32	28 26	5 0	23 54	1 50	22 3	1 40	8 36	3 36	8 13	1 14	12 33	2 15	16 1	0 18	11 11	1 50	25 24	12 36	2 21	2 12	27 19	18 25	2 50
F 20	23 31	28 3	4 50	23 35	1 47	21 48	1 40	8 25	3 38	8 14	1 14	12 35	2 15	16 0	0 18	11 11	1 50	25 25	12 36	2 25	2 13	27 20	18 26	2 50
S 21	23 29	25 36	4 19	23 15	1 43	21 32	1 40	8 15	3 40	8 14	1 14	12 36	2 15	16 0	0 18	11 11	1 50	25 25	12 36	2 29	2 15	27 21	18 27	2 50
S 22	23 27	21 29	3 32	22 53	1 39	21 16	1 40	8 5	3 42	8 15	1 13	12 38	2 15	15 59	0 18	11 12	1 50	25 26	12 37	2 32	2 16	27 22	18 27	2 50
M23	23 24	16 14	2 33	22 29	1 35	20 59	1 40	7 55	3 44	8 16	1 13	12 40	2 15	15 59	0 18	11 12	1 50	25 26	12 37	2 34	2 17	27 23	18 28	2 50
T 24	23 21	10 19	1 26	22 5	1 30	20 41	1 40	7 46	3 46	8 16	1 13	12 41	2 16	15 59	0 18	11 13	1 50	25 27	12 37	2 36	2 19	27 24	18 28	2 51
W25	23 18	4 9	0 17	21 39	1 24	20 23	1 40	7 36	3 49	8 17	1 13	12 43	2 16	15 58	0 18	11 13	1 50	25 27	12 37	2 36	2 20	27 25	18 29	2 51
T 26	23 14	2n 0	0n51	21 12	1 18	20 4	1 40	7 26	3 51	8 18	1 12	12 44	2 16	15 58	0 18	11 13	1 50	25 28	12 38	2 36	2 21	27 26	18 29	2 51
F 27	23 10	7 54	1 54	20 45	1 12	19 45	1 40	7 17	3 53	8 19	1 12	12 46	2 16	15 58	0 18	11 14	1 50	25 28	12 38	2 36	2 22	27 27	18 30	2 51
S 28	23 5	13 23	2 51	20 17	1 5	19 25	1 40	7 8	3 55	8 20	1 12	12 47	2 16	15 58	0 18	11 14	1 50	25 29	12 38	2 36	2 24	27 28	18 31	2 52
S 29	23 0	18 16	3 39	19 48	0 58	19 5	1 39	6 58	3 57	8 21	1 11	12 48	2 16	15 57	0 18	11 14	1 50	25 29	12 39	2 38	2 25	27 29	18 31	2 52
M30	22n55	22n24	4n18	19n18	0n50	18n44	1n39	6s50	3s59	8s23	1n11	12n50	2s17	15s57	0n18	11n15	1s50	25s30	12s39	2s40	2s26	27n30	18n32	2s52

Julian Day Number = 2107278.5, Delta T = 20m13s
Ecliptic obliquity = 23°33'50, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°36'04, Lahiri = 10°43'05 Julian Calendar 1 June 1057 == Greg. Calendar 7 June 1057

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1057
geocentric

JULY 1057 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 58 49	14♋ 6'39	3♊29	8♌51	13♌39	22♓31	24♎23	10♉24	14°R22	4♉10	23°R53	23°R11	23♓51	13♊15	5♊39	T 1
W 2	19 2 46	15° 3'56	15°21	10°14	14°52	22°58	24°25	10°29	14♏21	4°11	23♒52	23♓ 1	23°48	13°22	5°43	W 2
T 3	19 6 42	16° 1'13	27°15	11°34	16° 4	23°24	24°29	10°33	14°20	4°12	23°51	22°49	23°44	13°28	5°47	T 3
F 4	19 10 39	16°58'31	9♋14	12°52	17°16	23°50	24°32	10°38	14°20	4°13	23°50	22°37	23°41	13°35	5°51	F 4
S 5	19 14 35	17°55'49	21°20	14° 8	18°28	24°15	24°35	10°43	14°19	4°14	23°49	22°25	23°38	13°42	5°55	S 5
S 6	19 18 32	18°53'08	3♌33	15°22	19°40	24°40	24°39	10°47	14°18	4°15	23°48	22°15	23°35	13°49	5°59	S 6
M 7	19 22 29	19°50'28	15°55	16°33	20°52	25° 5	24°42	10°51	14°18	4°16	23°47	22° 8	23°32	13°55	6° 3	M 7
T 8	19 26 25	20°47'49	28°26	17°42	22° 4	25°29	24°46	10°56	14°17	4°17	23°46	22° 3	23°29	14° 2	6° 7	T 8
W 9	19 30 22	21°45'10	11♍ 8	18°48	23°16	25°52	24°50	11° 0	14°17	4°17	23°45	22° 0	23°25	14° 9	6°11	W 9
T 10	19 34 18	22°42'32	24° 4	19°52	24°28	26°15	24°55	11° 4	14°17	4°18	23°44	22°D 0	23°22	14°16	6°15	T 10
F 11	19 38 15	23°39'54	7♎16	20°53	25°40	26°38	24°59	11° 8	14°16	4°19	23°43	22° 0	23°19	14°22	6°18	F 11
S 12	19 42 11	24°37'17	20°46	21°51	26°52	27° 0	25° 4	11°12	14°16	4°19	23°42	22°R 1	23°16	14°29	6°22	S 12
S 13	19 46 8	25°34'41	4♏36	22°47	28° 4	27°21	25° 8	11°16	14°16	4°20	23°41	22° 0	23°13	14°36	6°26	S 13
M14	19 50 4	26°32'05	18°47	23°39	29°16	27°42	25°13	11°19	14°15	4°21	23°40	21°58	23° 9	14°42	6°29	M14
T 15	19 54 1	27°29'30	3♐18	24°28	0♍28	28° 3	25°18	11°23	14°15	4°21	23°39	21°54	23° 6	14°49	6°33	T 15
W16	19 57 58	28°26'56	18° 4	25°14	1°40	28°22	25°23	11°27	14°15	4°22	23°37	21°48	23° 3	14°56	6°36	W16
T 17	20 1 54	29°24'23	2♑59	25°56	2°51	28°42	25°29	11°30	14°15	4°23	23°36	21°41	23° 0	15° 3	6°40	T 17
F 18	20 5 51	0♌21'51	17°56	26°34	4° 3	29° 0	25°34	11°34	14°D15	4°23	23°35	21°33	22°57	15° 9	6°43	F 18
S 19	20 9 47	1°19'20	2♒44	27° 9	5°14	29°18	25°40	11°37	14°15	4°24	23°34	21°26	22°54	15°16	6°47	S 19
S 20	20 13 44	2°16'50	17°17	27°39	6°26	29°36	25°46	11°40	14°15	4°24	23°33	21°20	22°50	15°23	6°50	S 20
M21	20 17 40	3°14'21	1♓27	28° 5	7°38	29°53	25°51	11°43	14°15	4°24	23°32	21°17	22°47	15°29	6°53	M21
T 22	20 21 37	4°11'53	15°11	28°27	8°49	0♈ 9	25°57	11°46	14°15	4°25	23°30	21°D15	22°44	15°36	6°57	T 22
W23	20 25 33	5° 9'27	28°28	28°44	10° 0	0°24	26° 4	11°49	14°16	4°25	23°29	21°15	22°41	15°43	7° 0	W23
T 24	20 29 30	6° 7'02	11♈21	28°56	11°12	0°39	26°10	11°52	14°16	4°25	23°28	21°16	22°38	15°50	7° 3	T 24
F 25	20 33 27	7° 4'39	23°53	29° 3	12°23	0°53	26°17	11°55	14°16	4°26	23°27	21°17	22°35	15°56	7° 6	F 25
S 26	20 37 23	8° 2'17	6♉ 7	29°R 5	13°34	1° 7	26°23	11°57	14°17	4°26	23°26	21°R18	22°31	16° 3	7° 9	S 26
S 27	20 41 20	8°59'57	18° 9	29° 1	14°46	1°19	26°30	12° 0	14°17	4°26	23°24	21°18	22°28	16°10	7°12	S 27
M28	20 45 16	9°57'38	0♊ 4	28°51	15°57	1°31	26°37	12° 2	14°18	4°26	23°23	21°16	22°25	16°17	7°15	M28
T 29	20 49 13	10°55'22	11°56	28°36	17° 8	1°42	26°44	12° 4	14°18	4°26	23°22	21°12	22°22	16°23	7°18	T 29
W30	20 53 9	11°53'07	23°49	28°16	18°19	1°53	26°51	12° 7	14°19	4°27	23°21	21° 6	22°19	16°30	7°21	W30
T 31	20 57 6	12♌50'53	5♋47	27♌49	19♍30	2♈ 3	26♎58	12♉ 9	14♏20	4♉27	23♒19	21♓ 0	22♓15	16♊37	7♊23	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n49	25n37	4n44	18n49	0n42	18n23	1n38	6s41	4s 2	8s24	1n11	12n51	2s17	15s57	0n18	11n15	1s50	25s31	12s39	2s43	2s27	27n31	18n32	2s52
W 2	22 42	27 42	4 59	18 18	0 33	18 1	1 38	6 32	4 4	8 25	1 11	12 52	2 17	15 57	0 18	11 15	1 50	25 31	12 39	2 47	2 29	27 33	18 33	2 52
T 3	22 36	28 33	5 1	17 48	0 24	17 39	1 37	6 23	4 6	8 27	1 10	12 54	2 17	15 56	0 18	11 15	1 50	25 32	12 39	2 52	2 30	27 34	18 33	2 53
F 4	22 29	28 3	4 49	17 17	0 15	17 16	1 36	6 15	4 8	8 28	1 10	12 55	2 17	15 56	0 18	11 16	1 50	25 32	12 40	2 57	2 31	27 35	18 34	2 53
S 5	22 21	26 13	4 25	16 46	0 5	16 53	1 36	6 7	4 10	8 30	1 10	12 56	2 18	15 56	0 18	11 16	1 50	25 33	12 40	3 1	2 32	27 36	18 34	2 53
S 6	22 14	23 9	3 48	16 15	0s 4	16 29	1 35	5 59	4 12	8 31	1 10	12 57	2 18	15 56	0 18	11 16	1 50	25 33	12 40	3 5	2 34	27 37	18 34	2 53
M 7	22 5	19 0	3 0	15 44	0 15	16 5	1 34	5 51	4 14	8 33	1 9	12 59	2 18	15 56	0 18	11 16	1 51	25 34	12 40	3 8	2 35	27 38	18 35	2 53
T 8	21 57	13 59	2 2	15 13	0 25	15 41	1 33	5 43	4 16	8 34	1 9	13 0	2 18	15 56	0 18	11 17	1 51	25 34	12 41	3 10	2 36	27 39	18 35	2 54
W 9	21 48	8 19	0 58	14 42	0 36	15 16	1 31	5 36	4 19	8 36	1 9	13 1	2 18	15 56	0 18	11 17	1 51	25 35	12 41	3 11	2 37	27 39	18 36	2 54
T 10	21 38	2 12	0s11	14 12	0 47	14 51	1 30	5 29	4 21	8 38	1 8	13 2	2 19	15 55	0 18	11 17	1 51	25 36	12 41	3 12	2 39	27 40	18 36	2 54
F 11	21 29	4s 8	1 21	13 42	0 58	14 25	1 29	5 22	4 23	8 40	1 8	13 3	2 19	15 55	0 18	11 17	1 51	25 36	12 41	3 11	2 40	27 41	18 37	2 54
S 12	21 19	10 26	2 28	13 12	1 9	13 59	1 27	5 15	4 25	8 42	1 8	13 4	2 19	15 55	0 18	11 17	1 51	25 37	12 41	3 11	2 41	27 42	18 37	2 55
S 13	21 8	16 23	3 28	12 43	1 21	13 33	1 26	5 8	4 27	8 44	1 8	13 5	2 19	15 55	0 18	11 18	1 51	25 37	12 42	3 11	2 43	27 43	18 37	2 55
M14	20 57	21 36	4 16	12 15	1 33	13 6	1 24	5 2	4 29	8 46	1 7	13 6	2 19	15 55	0 18	11 18	1 51	25 38	12 42	3 12	2 44	27 44	18 38	2 55
T 15	20 46	25 40	4 50	11 47	1 45	12 39	1 23	4 55	4 31	8 48	1 7	13 7	2 20	15 55	0 18	11 18	1 51	25 38	12 42	3 14	2 45	27 45	18 38	2 55
W16	20 35	28 5	5 5	11 21	1 57	12 12	1 21	4 49	4 33	8 50	1 7	13 8	2 20	15 55	0 18	11 18	1 51	25 39	12 42	3 16	2 46	27 46	18 38	2 56
T 17	20 23	28 32	5 0	10 56	2 9	11 44	1 19	4 43	4 35	8 52	1 7	13 9	2 20	15 55	0 18	11 18	1 51	25 40	12 42	3 19	2 48	27 47	18 39	2 56
F 18	20 11	26 53	4 34	10 31	2 21	11 16	1 17	4 38	4 37	8 54	1 6	13 9	2 20	15 55	0 17	11 18	1 51	25 40	12 43	3 22	2 49	27 48	18 39	2 56
S 19	19 58	23 23	3 51	10 8	2 33	10 48	1 15	4 32	4 39	8 57	1 6	13 10	2 20	15 55	0 17	11 18	1 51	25 41	12 43	3 25	2 50	27 49	18 39	2 56
S 20	19 45	18 28	2 52	9 47	2 44	10 20	1 13	4 27	4 41	8 59	1 6	13 11	2 21	15 55	0 17	11 18	1 51	25 41	12 43	3 27	2 51	27 50	18 40	2 57
M21	19 32	12 39	1 45	9 27	2 56	9 51	1 11	4 22	4 43	9 1	1 6	13 12	2 21	15 55	0 17	11 18	1 51	25 42	12 43	3 29	2 53	27 51	18 40	2 57
T 22	19 18	6 22	0 33	9 8	3 8	9 22	1 9	4 18	4 45	9 4	1 5	13 12	2 21	15 55	0 17	11 19	1 51	25 42	12 43	3 29	2 54	27 51	18 40	2 57
W23	19 5	0 1	0n39	8 52	3 19	8 53	1 7	4 13	4 47	9 6	1 5	13 13	2 21	15 56	0 17	11 19	1 52	25 43	12 43	3 29	2 55	27 52	18 40	2 58
T 24	18 50	6n 9	1 47	8 37	3 30	8 24	1 4	4 9	4 49	9 9	1 5	13 14	2 21	15 56	0 17	11 19	1 52	25 43	12 43	3 29	2 56	27 53	18 41	2 58
F 25	18 36	11 54	2 47	8 25	3 41	7 54	1 2	4 5	4 50	9 11	1 5	13 14	2 22	15 56	0 17	11 19	1 52	25 44	12 44	3 28	2 58	27 54	18 41	2 58
S 26	18 21	17 4	3 39	8 15	3 51	7 24	1 0	4 1	4 52	9 14	1 4	13 15	2 22	15 56	0 17	11 19	1 52	25 45	12 44	3 28	2 59	27 55	18 41	2 58
S 27	18 6	21 28	4 19	8 7	4 0	6 54	0 57	3 58	4 54	9 17	1 4	13 16	2 22	15 56	0 17	11 19	1 52	25 45	12 44	3 28	3 0	27 56	18 41	2 59
M28	17 51	24 58	4 49	8 3	4 9	6 24	0 54	3 55	4 56	9 19	1 4	13 16	2 22	15 56	0 17	11 19	1 52	25 46	12 44	3 29	3 1	27 56	18 42	2 59
T 29	17 35	27 23	5 5	8 0	4 17	5 54	0 52	3 52	4 57	9 22	1 4	13 17	2 23	15 56	0 17	11 19	1 52	25 46	12 44	3 31	3 3	27 57	18 42	2 59
W30	17 19	28 34	5 9	8 1	4 23	5 24	0 49	3 49	4 59	9 25	1 3	13 17	2 23	15 57	0 17	11 19	1 52	25 47	12 44	3 33	3 4	27 58	18 42	2 59
T 31	17n 3	28n25	4n59	8n 5	4s29	4n53	0n46	3s47	5s 1	9s28	1n 3	13n18	2s23	15s57	0n17	11n19	1s52	25s47	12s44	3s35	3s 5	27n59	18n42	3s 0

Julian Day Number = 2107308.5, Delta T = 20m12s
Ecliptic obliquity = 23°33'50, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°36'08, Lahiri = 10°43'09 Julian Calendar 1 July 1057 == Greg. Calendar 7 July 1057

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1057
geocentric

AUGUST 1057 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 1 2	13♌48'41	17♋53	27°R17	20♍41	2♈11	27♎ 6	12♉11	14♏20	4♉27	23°R18	20°R53	22♓12	16♊43	7♊26	F 1
S 2	21 4 59	14°46'31	0♌ 8	26♌40	21°52	2°20	27°13	12°13	14°21	4°R27	23♒17	20♓47	22° 9	16°50	7°29	S 2
S 3	21 8 56	15°44'22	12°33	25°58	23° 3	2°27	27°21	12°15	14°22	4°27	23°16	20°41	22° 6	16°57	7°31	S 3
M 4	21 12 52	16°42'15	25°11	25°12	24°14	2°33	27°29	12°16	14°23	4°27	23°14	20°37	22° 3	17° 4	7°34	M 4
T 5	21 16 49	17°40'09	8♍ 0	24°23	25°25	2°39	27°37	12°18	14°24	4°27	23°13	20°35	22° 0	17°10	7°36	T 5
W 6	21 20 45	18°38'05	21° 2	23°30	26°35	2°44	27°45	12°19	14°25	4°26	23°12	20°D34	21°56	17°17	7°39	W 6
T 7	21 24 42	19°36'02	4♎16	22°36	27°46	2°48	27°53	12°21	14°26	4°26	23°11	20°35	21°53	17°24	7°41	T 7
F 8	21 28 38	20°34'01	17°43	21°40	28°57	2°51	28° 1	12°22	14°27	4°26	23° 9	20°36	21°50	17°30	7°43	F 8
S 9	21 32 35	21°32'01	1♏23	20°45	0♎ 7	2°53	28°10	12°23	14°28	4°26	23° 8	20°38	21°47	17°37	7°45	S 9
S 10	21 36 31	22°30'02	15°16	19°51	1°18	2°54	28°18	12°24	14°29	4°26	23° 7	20°39	21°44	17°44	7°48	S 10
M11	21 40 28	23°28'05	29°22	19° 0	2°28	2°R55	28°27	12°25	14°30	4°25	23° 5	20°R39	21°40	17°51	7°50	M11
T 12	21 44 25	24°26'09	13♐39	18°13	3°38	2°55	28°36	12°26	14°31	4°25	23° 4	20°38	21°37	17°57	7°52	T 12
W13	21 48 21	25°24'15	28° 5	17°31	4°49	2°53	28°45	12°27	14°33	4°25	23° 3	20°35	21°34	18° 4	7°54	W13
T 14	21 52 18	26°22'22	12♑36	16°54	5°59	2°51	28°54	12°27	14°34	4°24	23° 2	20°32	21°31	18°11	7°56	T 14
F 15	21 56 14	27°20'31	27° 6	16°24	7° 9	2°48	29° 3	12°28	14°36	4°24	23° 0	20°29	21°28	18°18	7°57	F 15
S 16	22 0 11	28°18'41	11♒29	16° 2	8°19	2°45	29°12	12°28	14°37	4°23	22°59	20°26	21°25	18°24	7°59	S 16
S 17	22 4 7	29°16'53	25°41	15°48	9°29	2°40	29°22	12°29	14°39	4°23	22°58	20°24	21°21	18°31	8° 1	S 17
M18	22 8 4	0♍15'06	9♓36	15°D42	10°39	2°35	29°31	12°29	14°40	4°22	22°57	20°23	21°18	18°38	8° 2	M18
T 19	22 12 0	1°13'22	23°11	15°45	11°49	2°29	29°41	12°R29	14°42	4°22	22°55	20°D22	21°15	18°44	8° 4	T 19
W20	22 15 57	2°11'39	6♈24	15°57	12°59	2°21	29°50	12°29	14°43	4°21	22°54	20°23	21°12	18°51	8° 5	W20
T 21	22 19 54	3° 9'59	19°16	16°19	14° 8	2°14	29°59	12°29	14°45	4°21	22°53	20°24	21° 9	18°58	8° 7	T 21
F 22	22 23 50	4° 8'20	1♉49	16°48	15°18	2° 5	0♏10	12°29	14°47	4°20	22°52	20°25	21° 6	19° 5	8° 8	F 22
S 23	22 27 47	5° 6'44	14° 5	17°27	16°27	1°55	0°20	12°28	14°49	4°19	22°50	20°27	21° 2	19°11	8°10	S 23
S 24	22 31 43	6° 5'10	26°10	18°14	17°37	1°45	0°30	12°28	14°50	4°19	22°49	20°28	20°59	19°18	8°11	S 24
M25	22 35 40	7° 3'38	8♊ 6	19° 9	18°46	1°34	0°40	12°27	14°52	4°18	22°48	20°R28	20°56	19°25	8°12	M25
T 26	22 39 36	8° 2'08	19°59	20°11	19°55	1°22	0°50	12°27	14°54	4°17	22°47	20°27	20°53	19°32	8°13	T 26
W27	22 43 33	9° 0'41	1♋53	21°20	21° 5	1°10	1° 0	12°26	14°56	4°16	22°45	20°27	20°50	19°38	8°14	W27
T 28	22 47 29	9°59'16	13°53	22°36	22°14	0°57	1°11	12°25	14°58	4°16	22°44	20°25	20°46	19°45	8°15	T 28
F 29	22 51 26	10°57'53	26° 3	23°57	23°23	0°43	1°21	12°24	15° 0	4°15	22°43	20°24	20°43	19°52	8°16	F 29
S 30	22 55 23	11°56'32	8♌25	25°23	24°31	0°28	1°32	12°23	15° 2	4°14	22°42	20°23	20°40	19°58	8°17	S 30
S 31	22 59 19	12♍55'13	21♌ 3	26♌54	25♎40	0♈13	1♏43	12♉22	15♏ 5	4♉13	22♒41	20♓22	20♓37	20♊ 5	8♊17	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	16n46	26n55	4n36	8n12	4s33	4n22	0n43	3s44	5s 2	9s31	1n 3	13n18	2s23	15s57	0n17	11n19	1s52	25s48	12s44	3s38	3s 6	28n 0	18n42	3s 0	F 1
S 2	16 29	24 8	4 0	8 22	4 36	3 51	0 40	3 43	5 4	9 34	1 3	13 18	2 23	15 57	0 17	11 19	1 52	25 48	12 45	3 40	3 8	28 0	18 42	3 0	S 2
S 3	16 12	20 12	3 12	8 34	4 37	3 20	0 37	3 41	5 5	9 37	1 3	13 19	2 24	15 58	0 17	11 18	1 52	25 49	12 45	3 43	3 9	28 1	18 42	3 1	S 3
M 4	15 55	15 18	2 14	8 50	4 37	2 49	0 34	3 40	5 7	9 40	1 2	13 19	2 24	15 58	0 17	11 18	1 52	25 49	12 45	3 44	3 10	28 2	18 43	3 1	M 4
T 5	15 37	9 40	1 8	9 9	4 35	2 18	0 31	3 39	5 8	9 43	1 2	13 19	2 24	15 58	0 17	11 18	1 52	25 50	12 45	3 45	3 12	28 3	18 43	3 1	T 5
W 6	15 19	3 32	0s 3	9 30	4 30	1 47	0 28	3 38	5 9	9 46	1 2	13 19	2 24	15 58	0 17	11 18	1 52	25 50	12 45	3 45	3 13	28 3	18 43	3 2	W 6
T 7	15 1	2s50	1 14	9 53	4 24	1 16	0 24	3 38	5 10	9 49	1 2	13 20	2 25	15 59	0 17	11 18	1 52	25 51	12 45	3 45	3 14	28 4	18 43	3 2	T 7
F 8	14 43	9 11	2 23	10 19	4 16	0 45	0 21	3 37	5 12	9 52	1 1	13 20	2 25	15 59	0 17	11 18	1 53	25 51	12 45	3 45	3 15	28 5	18 43	3 2	F 8
S 9	14 24	15 13	3 25	10 45	4 6	0 13	0 18	3 38	5 13	9 55	1 1	13 20	2 25	15 59	0 17	11 18	1 53	25 52	12 45	3 44	3 17	28 6	18 43	3 2	S 9
S 10	14 5	20 34	4 16	11 13	3 55	0s18	0 14	3 38	5 14	9 59	1 1	13 20	2 25	16 0	0 17	11 18	1 53	25 52	12 45	3 44	3 18	28 6	18 43	3 3	S 10
M11	13 46	24 52	4 52	11 42	3 41	0 49	0 11	3 39	5 15	10 2	1 1	13 20	2 25	16 0	0 17	11 18	1 53	25 53	12 45	3 44	3 19	28 7	18 43	3 3	M11
T 12	13 27	27 42	5 11	12 10	3 26	1 21	0 7	3 39	5 15	10 5	1 1	13 20	2 26	16 1	0 17	11 17	1 53	25 53	12 45	3 44	3 20	28 8	18 43	3 3	T 12
W13	13 7	28 44	5 11	12 39	3 10	1 52	0 4	3 41	5 16	10 9	1 0	13 20	2 26	16 1	0 17	11 17	1 53	25 54	12 45	3 45	3 22	28 8	18 43	3 4	W13
T 14	12 47	27 47	4 51	13 6	2 53	2 23	0 0	3 42	5 17	10 12	1 0	13 20	2 26	16 1	0 17	11 17	1 53	25 54	12 45	3 46	3 23	28 9	18 43	3 4	T 14
F 15	12 27	24 58	4 12	13 32	2 35	2 54	0s 4	3 44	5 17	10 16	1 0	13 20	2 26	16 2	0 17	11 17	1 53	25 55	12 45	3 47	3 24	28 10	18 43	3 4	F 15
S 16	12 7	20 35	3 18	13 57	2 16	3 26	0 7	3 46	5 18	10 19	1 0	13 20	2 27	16 2	0 17	11 17	1 53	25 55	12 45	3 48	3 25	28 10	18 43	3 5	S 16
S 17	11 47	15 5	2 12	14 19	1 58	3 57	0 11	3 48	5 18	10 23	1 0	13 20	2 27	16 3	0 17	11 16	1 53	25 56	12 45	3 49	3 27	28 11	18 43	3 5	S 17
M18	11 26	8 55	0 59	14 39	1 39	4 28	0 15	3 50	5 19	10 26	0 59	13 20	2 27	16 3	0 17	11 16	1 53	25 56	12 45	3 50	3 28	28 12	18 43	3 5	M18
T 19	11 6	2 29	0n15	14 56	1 20	4 59	0 19	3 53	5 19	10 30	0 59	13 20	2 27	16 4	0 17	11 16	1 53	25 56	12 45	3 50	3 29	28 12	18 43	3 6	T 19
W20	10 45	3n53	1 27	15 10	1 1	5 30	0 23	3 56	5 19	10 33	0 59	13 19	2 28	16 4	0 17	11 16	1 53	25 57	12 45	3 50	3 30	28 13	18 43	3 6	W20
T 21	10 24	9 56	2 33	15 21	0 43	6 1	0 27	3 59	5 19	10 37	0 59	13 19	2 28	16 5	0 17	11 15	1 53	25 57	12 45	3 49	3 32	28 14	18 43	3 6	T 21
F 22	10 3	15 26	3 29	15 28	0 26	6 31	0 31	4 2	5 18	10 40	0 59	13 19	2 28	16 5	0 17	11 15	1 53	25 58	12 45	3 49	3 33	28 14	18 42	3 7	F 22
S 23	9 41	20 12	4 15	15 32	0 9	7 2	0 35	4 5	5 18	10 44	0 58	13 18	2 28	16 6	0 17	11 15	1 53	25 58	12 45	3 48	3 34	28 15	18 42	3 7	S 23
S 24	9 20	24 3	4 48	15 33	0n 6	7 32	0 39	4 9	5 18	10 48	0 58	13 18	2 28	16 7	0 17	11 15	1 53	25 58	12 45	3 48	3 35	28 15	18 42	3 7	S 24
M25	8 58	26 51	5 9	15 29	0 21	8 3	0 43	4 13	5 17	10 52	0 58	13 18	2 29	16 7	0 17	11 14	1 54	25 59	12 45	3 48	3 37	28 16	18 42	3 8	M25
T 26	8 36	28 26	5 16	15 23	0 35	8 33	0 47	4 17	5 16	10 55	0 58	13 17	2 29	16 8	0 17	11 14	1 54	25 59	12 45	3 48	3 38	28 17	18 42	3 8	T 26
W27	8 14	28 43	5 10	15 12	0 47	9 3	0 51	4 21	5 15	10 59	0 58	13 17	2 29	16 8	0 17	11 14	1 54	26 0	12 45	3 48	3 39	28 17	18 42	3 8	W27
T 28	7 52	27 38	4 50	14 58	0 58	9 33	0 55	4 26	5 14	11 3	0 57	13 16	2 29	16 9	0 17	11 13	1 54	26 0	12 45	3 49	3 40	28 18	18 42	3 9	T 28
F 29	7 30	25 15	4 17	14 41	1 9	10 2	0 59	4 30	5 13	11 7	0 57	13 16	2 30	16 10	0 16	11 13	1 54	26 0	12 45	3 49	3 42	28 18	18 41	3 9	F 29
S 30	7 7	21 39	3 32	14 21	1 18	10 32	1 3	4 35	5 12	11 11	0 57	13 15	2 30	16 10	0 16	11 13	1 54	26 1	12 45	3 50	3 43	28 19	18 41	3 9	S 30
S 31	6n45	17n 0	2n35	13n57	1n26	11s 1	1s 7	4s39	5s11	11s14	0n57	13n15	2s30	16s11	0n16	11n12	1s54	26s 1	12s45	3s50	3s44	28n19	18n41	3s10	S 31

Julian Day Number = 2107339.5, Delta T = 20m12s
Ecliptic obliquity = 23°33'50, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°36'13, Lahiri = 10°43'13 Julian Calendar 1 Aug. 1057 == Greg. Calendar 7 Aug. 1057

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1057
geocentric

SEPTEMBER 1057 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 3 16	13♍53'56	3♍56	28♌28	26♎49	29°R58	1♏53	12°R20	15♏ 7	4°R12	22°R39	20°R21	20♓34	20♊12	8♊18	M 1
T 2	23 7 12	14°52'42	17° 6	0♍ 6	27°58	29♓42	2° 4	12♉19	15° 9	4♉11	22♒38	20°D21	20°31	20°19	8°19	T 2
W 3	23 11 9	15°51'29	0♎31	1°47	29° 6	29°25	2°15	12°17	15°11	4°10	22°37	20♓21	20°27	20°25	8°19	W 3
T 4	23 15 5	16°50'18	14°11	3°30	0♏15	29° 8	2°26	12°16	15°14	4° 9	22°36	20°21	20°24	20°32	8°20	T 4
F 5	23 19 2	17°49'09	28° 3	5°15	1°23	28°51	2°37	12°14	15°16	4° 8	22°35	20°22	20°21	20°39	8°20	F 5
S 6	23 22 58	18°48'02	12♏ 4	7° 1	2°31	28°33	2°48	12°12	15°18	4° 7	22°34	20°22	20°18	20°45	8°20	S 6
S 7	23 26 55	19°46'57	26°12	8°49	3°39	28°15	3° 0	12°10	15°21	4° 6	22°33	20°22	20°15	20°52	8°20	S 7
M 8	23 30 52	20°45'54	10♐23	10°37	4°47	27°57	3°11	12° 8	15°23	4° 5	22°31	20°R22	20°12	20°59	8°21	M 8
T 9	23 34 48	21°44'53	24°37	12°25	5°55	27°39	3°22	12° 6	15°26	4° 4	22°30	20°D22	20° 8	21° 6	8°R21	T 9
W10	23 38 45	22°43'53	8♑49	14°14	7° 3	27°20	3°34	12° 4	15°28	4° 3	22°29	20°22	20° 5	21°12	8°21	W10
T 11	23 42 41	23°42'55	22°58	16° 3	8°10	27° 2	3°45	12° 1	15°31	4° 1	22°28	20°22	20° 2	21°19	8°21	T 11
F 12	23 46 38	24°41'59	7♒ 2	17°51	9°18	26°43	3°57	11°59	15°34	4° 0	22°27	20°22	19°59	21°26	8°20	F 12
S 13	23 50 34	25°41'05	20°56	19°40	10°25	26°25	4° 9	11°56	15°36	3°59	22°26	20°23	19°56	21°33	8°20	S 13
S 14	23 54 31	26°40'12	4♓41	21°28	11°32	26° 7	4°20	11°54	15°39	3°58	22°25	20°23	19°52	21°39	8°20	S 14
M15	23 58 27	27°39'22	18°12	23°15	12°39	25°48	4°32	11°51	15°42	3°56	22°24	20°R24	19°49	21°46	8°20	M15
T 16	0 2 24	28°38'33	1♈28	25° 2	13°46	25°30	4°44	11°48	15°45	3°55	22°23	20°23	19°46	21°53	8°19	T 16
W17	0 6 20	29°37'47	14°29	26°48	14°52	25°12	4°56	11°45	15°47	3°54	22°22	20°23	19°43	21°59	8°19	W17
T 18	0 10 17	0♎37'03	27°13	28°34	15°59	24°55	5° 8	11°42	15°50	3°52	22°21	20°22	19°40	22° 6	8°18	T 18
F 19	0 14 14	1°36'21	9♉42	0♎19	17° 5	24°37	5°20	11°39	15°53	3°51	22°20	20°20	19°37	22°13	8°17	F 19
S 20	0 18 10	2°35'41	21°57	2° 3	18°12	24°21	5°32	11°36	15°56	3°50	22°19	20°18	19°33	22°20	8°17	S 20
S 21	0 22 7	3°35'04	4♊ 1	3°47	19°18	24° 4	5°44	11°33	15°59	3°48	22°18	20°17	19°30	22°26	8°16	S 21
M22	0 26 3	4°34'29	15°58	5°30	20°23	23°48	5°57	11°30	16° 2	3°47	22°18	20°15	19°27	22°33	8°15	M22
T 23	0 30 0	5°33'56	27°51	7°12	21°29	23°32	6° 9	11°26	16° 5	3°46	22°17	20°15	19°24	22°40	8°14	T 23
W24	0 33 56	6°33'26	9♋44	8°53	22°35	23°17	6°21	11°23	16° 8	3°44	22°16	20°D14	19°21	22°47	8°13	W24
T 25	0 37 53	7°32'58	21°44	10°34	23°40	23° 2	6°34	11°19	16°11	3°43	22°15	20°15	19°18	22°53	8°12	T 25
F 26	0 41 49	8°32'32	3♌53	12°14	24°45	22°48	6°46	11°15	16°14	3°41	22°14	20°16	19°14	23° 0	8°11	F 26
S 27	0 45 46	9°32'09	16°17	13°53	25°50	22°35	6°59	11°12	16°17	3°40	22°13	20°18	19°11	23° 7	8° 9	S 27
S 28	0 49 43	10°31'48	29° 0	15°32	26°54	22°22	7°11	11° 8	16°21	3°38	22°13	20°19	19° 8	23°13	8° 8	S 28
M29	0 53 39	11°31'29	12♍ 3	17°10	27°59	22°10	7°24	11° 4	16°24	3°37	22°12	20°20	19° 5	23°20	8° 7	M29
T 30	0 57 36	12♎31'12	25♍29	18♎48	29♏ 3	21♓58	7♏36	11♉ 0	16♏27	3♉35	22♒11	20°R20	19♓ 2	23♊27	8♊ 5	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	6n22	11n31	1n30	13n30	1n32	11s30	1s12	4s44	5s 9	11s18	0n57	13n14	2s30	16s12	0n16	11n12	1s54	26s 1	12s45	3s50	3s46	28n20	18n41	3s10
T 2	5 59	5 24	0 18	13 1	1 38	11 59	1 16	4 49	5 7	11 22	0 57	13 14	2 30	16 12	0 16	11 12	1 54	26 2	12 45	3 51	3 47	28 20	18 41	3 10
W 3	5 36	1s 4	0s56	12 29	1 43	12 27	1 20	4 54	5 5	11 26	0 56	13 13	2 31	16 13	0 16	11 11	1 54	26 2	12 45	3 51	3 48	28 21	18 40	3 11
T 4	5 13	7 35	2 8	11 55	1 46	12 56	1 24	4 59	5 3	11 30	0 56	13 12	2 31	16 14	0 16	11 11	1 54	26 2	12 44	3 50	3 49	28 21	18 40	3 11
F 5	4 50	13 51	3 14	11 19	1 49	13 24	1 28	5 4	5 1	11 34	0 56	13 12	2 31	16 14	0 16	11 10	1 54	26 3	12 44	3 50	3 51	28 22	18 40	3 11
S 6	4 27	19 29	4 9	10 42	1 51	13 51	1 32	5 9	4 59	11 38	0 56	13 11	2 31	16 15	0 16	11 10	1 54	26 3	12 44	3 50	3 52	28 22	18 39	3 12
S 7	4 4	24 5	4 49	10 2	1 52	14 19	1 37	5 13	4 56	11 42	0 56	13 10	2 31	16 16	0 16	11 10	1 54	26 3	12 44	3 50	3 53	28 23	18 39	3 12
M 8	3 41	27 16	5 12	9 21	1 52	14 46	1 41	5 18	4 54	11 46	0 56	13 9	2 32	16 17	0 16	11 9	1 54	26 4	12 44	3 50	3 54	28 23	18 39	3 12
T 9	3 17	28 43	5 16	8 39	1 52	15 13	1 45	5 23	4 51	11 50	0 55	13 8	2 32	16 17	0 16	11 9	1 54	26 4	12 44	3 50	3 56	28 24	18 38	3 13
W10	2 54	28 16	5 1	7 56	1 50	15 39	1 49	5 28	4 48	11 54	0 55	13 8	2 32	16 18	0 16	11 8	1 54	26 4	12 44	3 50	3 57	28 24	18 38	3 13
T 11	2 30	25 59	4 27	7 12	1 49	16 5	1 53	5 32	4 45	11 58	0 55	13 7	2 32	16 19	0 16	11 8	1 54	26 4	12 44	3 50	3 58	28 25	18 38	3 13
F 12	2 7	22 7	3 38	6 27	1 46	16 31	1 57	5 37	4 42	12 2	0 55	13 6	2 32	16 20	0 16	11 8	1 54	26 5	12 44	3 50	3 59	28 25	18 37	3 14
S 13	1 43	17 3	2 36	5 42	1 44	16 57	2 2	5 41	4 39	12 6	0 55	13 5	2 32	16 20	0 16	11 7	1 54	26 5	12 43	3 50	4 1	28 25	18 37	3 14
S 14	1 20	11 11	1 26	4 56	1 40	17 22	2 6	5 45	4 35	12 11	0 55	13 4	2 33	16 21	0 16	11 7	1 54	26 5	12 43	3 50	4 2	28 26	18 37	3 14
M15	0 56	4 53	0 12	4 10	1 37	17 46	2 10	5 49	4 32	12 15	0 55	13 3	2 33	16 22	0 16	11 6	1 54	26 5	12 43	3 50	4 3	28 26	18 36	3 15
T 16	0 33	1n31	1n 1	3 24	1 32	18 11	2 14	5 53	4 28	12 19	0 54	13 2	2 33	16 23	0 16	11 6	1 55	26 5	12 43	3 50	4 4	28 27	18 36	3 15
W17	0 9	7 43	2 9	2 37	1 28	18 34	2 18	5 57	4 24	12 23	0 54	13 1	2 33	16 24	0 16	11 5	1 55	26 6	12 43	3 50	4 6	28 27	18 36	3 15
T 18	0s15	13 29	3 10	1 51	1 23	18 58	2 22	6 1	4 20	12 27	0 54	13 0	2 33	16 25	0 16	11 5	1 55	26 6	12 43	3 50	4 7	28 28	18 35	3 16
F 19	0 39	18 35	4 0	1 4	1 18	19 21	2 26	6 4	4 16	12 31	0 54	12 59	2 33	16 25	0 16	11 4	1 55	26 6	12 43	3 51	4 8	28 28	18 35	3 16
S 20	1 2	22 49	4 38	0 17	1 13	19 44	2 29	6 7	4 12	12 35	0 54	12 57	2 34	16 26	0 16	11 4	1 55	26 6	12 42	3 52	4 9	28 28	18 34	3 16
S 21	1 26	26 1	5 3	0s29	1 7	20 6	2 33	6 10	4 8	12 40	0 54	12 56	2 34	16 27	0 16	11 3	1 55	26 6	12 42	3 52	4 11	28 29	18 34	3 17
M22	1 50	28 2	5 15	1 15	1 1	20 27	2 37	6 12	4 4	12 44	0 54	12 55	2 34	16 28	0 16	11 3	1 55	26 6	12 42	3 53	4 12	28 29	18 33	3 17
T 23	2 13	28 46	5 13	2 1	0 55	20 49	2 41	6 15	4 0	12 48	0 53	12 54	2 34	16 29	0 16	11 2	1 55	26 7	12 42	3 53	4 13	28 29	18 33	3 17
W24	2 37	28 9	4 58	2 47	0 49	21 9	2 44	6 17	3 56	12 52	0 53	12 53	2 34	16 30	0 16	11 2	1 55	26 7	12 42	3 53	4 14	28 30	18 32	3 18
T 25	3 1	26 14	4 29	3 33	0 43	21 30	2 48	6 19	3 51	12 56	0 53	12 52	2 34	16 31	0 16	11 1	1 55	26 7	12 41	3 53	4 16	28 30	18 32	3 18
F 26	3 24	23 5	3 49	4 18	0 37	21 50	2 52	6 20	3 47	13 1	0 53	12 50	2 34	16 32	0 16	11 1	1 55	26 7	12 41	3 52	4 17	28 30	18 31	3 18
S 27	3 48	18 51	2 57	5 3	0 30	22 9	2 55	6 22	3 42	13 5	0 53	12 49	2 35	16 33	0 16	11 0	1 55	26 7	12 41	3 52	4 18	28 31	18 31	3 19
S 28	4 11	13 41	1 55	5 47	0 24	22 28	2 59	6 23	3 38	13 9	0 53	12 48	2 35	16 33	0 16	11 0	1 55	26 7	12 41	3 51	4 19	28 31	18 30	3 19
M29	4 35	7 47	0 45	6 31	0 17	22 46	3 2	6 23	3 33	13 13	0 53	12 46	2 35	16 34	0 16	10 59	1 55	26 7	12 41	3 51	4 21	28 31	18 30	3 19
T 30	4s58	1n22	0s28	7s15	0n10	23s 4	3s 5	6s24	3s29	13s18	0n53	12n45	2s35	16s35	0n16	10n58	1s55	26s 7	12s40	3s51	4s22	28n31	18n29	3s20

Julian Day Number = 2107370.5, Delta T = 20m12s
Ecliptic obliquity = 23°33'51, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°36'17, Lahiri = 10°43'17 Julian Calendar 1 Sept. 1057 == Greg. Calendar 7 Sept. 1057

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1057
geocentric

OCTOBER 1057 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 1 32	13♎30'58	9♎16	20♎24	0♐ 7	21°R47	7♏49	10°R56	16♏30	3°R33	22°R10	20°R19	18♓58	23♊34	8°R 4	W 1
T 2	1 5 29	14°30'45	23°22	22° 1	1°11	21♓37	8° 2	10♉52	16°33	3♉32	22♒10	20♓17	18°55	23°40	8♊ 2	T 2
F 3	1 9 25	15°30'34	7♏43	23°36	2°14	21°28	8°14	10°48	16°37	3°30	22° 9	20°14	18°52	23°47	8° 1	F 3
S 4	1 13 22	16°30'26	22°13	25°11	3°18	21°20	8°27	10°44	16°40	3°29	22° 8	20°10	18°49	23°54	7°59	S 4
S 5	1 17 18	17°30'19	6♐46	26°46	4°21	21°12	8°40	10°39	16°43	3°27	22° 8	20° 6	18°46	24° 0	7°57	S 5
M 6	1 21 15	18°30'14	21°15	28°20	5°23	21° 5	8°53	10°35	16°47	3°25	22° 7	20° 3	18°43	24° 7	7°55	M 6
T 7	1 25 12	19°30'11	5♑37	29°53	6°26	20°59	9° 6	10°31	16°50	3°24	22° 7	20° 1	18°39	24°14	7°53	T 7
W 8	1 29 8	20°30'10	19°48	1♏26	7°28	20°53	9°19	10°26	16°54	3°22	22° 6	20°D 0	18°36	24°21	7°51	W 8
T 9	1 33 5	21°30'10	3♒46	2°59	8°30	20°49	9°32	10°22	16°57	3°21	22° 5	20° 1	18°33	24°27	7°49	T 9
F 10	1 37 1	22°30'11	17°30	4°31	9°31	20°45	9°45	10°17	17° 0	3°19	22° 5	20° 2	18°30	24°34	7°47	F 10
S 11	1 40 58	23°30'15	1♓ 1	6° 2	10°32	20°42	9°58	10°13	17° 4	3°17	22° 4	20° 4	18°27	24°41	7°45	S 11
S 12	1 44 54	24°30'19	14°20	7°33	11°33	20°40	10°11	10° 8	17° 7	3°16	22° 4	20°R 5	18°23	24°48	7°43	S 12
M13	1 48 51	25°30'26	27°26	9° 4	12°34	20°39	10°24	10° 3	17°11	3°14	22° 3	20° 5	18°20	24°54	7°41	M13
T 14	1 52 47	26°30'34	10♈20	10°34	13°34	20°D39	10°37	9°59	17°14	3°12	22° 3	20° 3	18°17	25° 1	7°38	T 14
W15	1 56 44	27°30'44	23° 2	12° 3	14°33	20°39	10°50	9°54	17°18	3°11	22° 3	19°59	18°14	25° 8	7°36	W15
T 16	2 0 41	28°30'56	5♉33	13°32	15°33	20°40	11° 3	9°49	17°21	3° 9	22° 2	19°53	18°11	25°14	7°34	T 16
F 17	2 4 37	29°31'10	17°53	15° 1	16°31	20°42	11°17	9°44	17°25	3° 7	22° 2	19°46	18° 8	25°21	7°31	F 17
S 18	2 8 34	0♏31'26	0♊ 3	16°29	17°30	20°45	11°30	9°40	17°29	3° 5	22° 2	19°39	18° 4	25°28	7°29	S 18
S 19	2 12 30	1°31'43	12° 5	17°57	18°28	20°48	11°43	9°35	17°32	3° 4	22° 1	19°31	18° 1	25°35	7°26	S 19
M20	2 16 27	2°32'03	23°59	19°24	19°25	20°52	11°56	9°30	17°36	3° 2	22° 1	19°24	17°58	25°41	7°23	M20
T 21	2 20 23	3°32'25	5♋51	20°50	20°22	20°57	12°10	9°25	17°39	3° 0	22° 1	19°18	17°55	25°48	7°21	T 21
W22	2 24 20	4°32'48	17°43	22°16	21°19	21° 3	12°23	9°20	17°43	2°59	22° 0	19°14	17°52	25°55	7°18	W22
T 23	2 28 16	5°33'14	29°39	23°41	22°15	21° 9	12°36	9°15	17°47	2°57	22° 0	19°13	17°49	26° 1	7°15	T 23
F 24	2 32 13	6°33'41	11♌45	25° 6	23°10	21°17	12°49	9°10	17°50	2°55	22° 0	19°D12	17°45	26° 8	7°12	F 24
S 25	2 36 10	7°34'11	24° 5	26°29	24° 5	21°24	13° 3	9° 6	17°54	2°54	22° 0	19°14	17°42	26°15	7° 9	S 25
S 26	2 40 6	8°34'42	6♍45	27°52	24°59	21°33	13°16	9° 1	17°58	2°52	22° 0	19°15	17°39	26°22	7° 6	S 26
M27	2 44 3	9°35'15	19°49	29°14	25°53	21°42	13°30	8°56	18° 1	2°50	22° 0	19°R15	17°36	26°28	7° 3	M27
T 28	2 47 59	10°35'50	3♎20	0♐35	26°46	21°52	13°43	8°51	18° 5	2°49	22° 0	19°14	17°33	26°35	7° 0	T 28
W29	2 51 56	11°36'26	17°18	1°54	27°38	22° 3	13°56	8°46	18° 9	2°47	22° 0	19°11	17°29	26°42	6°57	W29
T 30	2 55 52	12°37'04	1♏41	3°13	28°30	22°14	14°10	8°41	18°12	2°45	22° 0	19° 6	17°26	26°49	6°54	T 30
F 31	2 59 49	13♏37'44	16♏25	4♐29	29♐21	22♓26	14♏23	8♉36	18♏16	2♉44	22°D 0	18♓58	17♓23	26♊55	6♊51	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s22	5s15	1s42	7s58	0n 4	23s21	3s 8	6s24	3s24	13s22	0n52	12n44	2s35	16s36	0n16	10n58	1s55	26s 7	12s40	3s51	4s23	28n32	18n29	3s20
T 2	5 45	11 47	2 51	8 40	0s 3	23 38	3 12	6 24	3 20	13 26	0 52	12 42	2 35	16 37	0 16	10 57	1 55	26 7	12 40	3 52	4 24	28 32	18 28	3 20
F 3	6 8	17 48	3 51	9 22	0 10	23 54	3 15	6 23	3 15	13 30	0 52	12 41	2 35	16 38	0 16	10 57	1 55	26 7	12 40	3 53	4 26	28 32	18 28	3 20
S 4	6 31	22 52	4 37	10 3	0 17	24 9	3 18	6 22	3 11	13 34	0 52	12 40	2 35	16 39	0 16	10 56	1 55	26 7	12 40	3 55	4 27	28 33	18 27	3 21
S 5	6 54	26 33	5 4	10 44	0 24	24 24	3 20	6 21	3 6	13 39	0 52	12 38	2 35	16 40	0 16	10 56	1 55	26 7	12 39	3 56	4 28	28 33	18 26	3 21
M 6	7 17	28 28	5 13	11 24	0 30	24 39	3 23	6 20	3 2	13 43	0 52	12 37	2 35	16 41	0 16	10 55	1 55	26 7	12 39	3 58	4 29	28 33	18 26	3 21
T 7	7 40	28 28	5 1	12 4	0 37	24 52	3 26	6 18	2 57	13 47	0 52	12 35	2 35	16 42	0 16	10 55	1 55	26 7	12 39	3 59	4 31	28 33	18 25	3 22
W 8	8 3	26 34	4 32	12 43	0 44	25 6	3 28	6 16	2 53	13 51	0 52	12 34	2 36	16 43	0 16	10 54	1 55	26 7	12 39	3 59	4 32	28 33	18 25	3 22
T 9	8 26	23 4	3 46	13 21	0 50	25 18	3 31	6 14	2 48	13 56	0 52	12 33	2 36	16 44	0 16	10 53	1 55	26 7	12 39	3 59	4 33	28 34	18 24	3 22
F 10	8 48	18 20	2 48	13 59	0 57	25 30	3 33	6 11	2 44	14 0	0 51	12 31	2 36	16 45	0 16	10 53	1 55	26 7	12 38	3 58	4 34	28 34	18 23	3 23
S 11	9 10	12 45	1 42	14 36	1 3	25 42	3 36	6 8	2 39	14 4	0 51	12 30	2 36	16 46	0 16	10 52	1 55	26 7	12 38	3 57	4 36	28 34	18 23	3 23
S 12	9 33	6 41	0 31	15 12	1 9	25 53	3 38	6 5	2 35	14 8	0 51	12 28	2 36	16 47	0 16	10 52	1 55	26 7	12 38	3 57	4 37	28 34	18 22	3 23
M13	9 55	0 25	0n40	15 47	1 16	26 3	3 40	6 2	2 31	14 12	0 51	12 27	2 36	16 48	0 16	10 51	1 55	26 7	12 38	3 57	4 38	28 34	18 21	3 23
T 14	10 17	5n46	1 48	16 22	1 22	26 13	3 42	5 58	2 26	14 17	0 51	12 25	2 36	16 49	0 16	10 50	1 55	26 7	12 37	3 58	4 39	28 35	18 21	3 24
W15	10 39	11 37	2 49	16 55	1 28	26 22	3 43	5 54	2 22	14 21	0 51	12 24	2 36	16 50	0 16	10 50	1 55	26 7	12 37	3 59	4 41	28 35	18 20	3 24
T 16	11 0	16 55	3 42	17 28	1 34	26 30	3 45	5 49	2 18	14 25	0 51	12 22	2 36	16 51	0 16	10 49	1 55	26 7	12 37	4 1	4 42	28 35	18 20	3 24
F 17	11 22	21 27	4 22	18 0	1 39	26 38	3 46	5 45	2 14	14 29	0 51	12 21	2 36	16 52	0 16	10 49	1 55	26 7	12 37	4 4	4 43	28 35	18 19	3 25
S 18	11 43	25 0	4 51	18 31	1 45	26 45	3 48	5 40	2 9	14 33	0 51	12 19	2 36	16 53	0 16	10 48	1 55	26 7	12 36	4 7	4 44	28 35	18 18	3 25
S 19	12 4	27 24	5 6	19 2	1 50	26 52	3 49	5 35	2 5	14 38	0 51	12 18	2 36	16 54	0 16	10 48	1 55	26 6	12 36	4 10	4 46	28 35	18 17	3 25
M20	12 25	28 33	5 7	19 31	1 55	26 58	3 50	5 30	2 1	14 42	0 51	12 16	2 36	16 55	0 16	10 47	1 55	26 6	12 36	4 13	4 47	28 35	18 17	3 25
T 21	12 46	28 21	4 56	19 59	2 0	27 3	3 51	5 24	1 57	14 46	0 50	12 15	2 36	16 56	0 16	10 46	1 55	26 6	12 36	4 15	4 48	28 35	18 16	3 26
W22	13 6	26 52	4 31	20 26	2 5	27 8	3 51	5 18	1 54	14 50	0 50	12 13	2 36	16 57	0 16	10 46	1 55	26 6	12 35	4 17	4 49	28 36	18 15	3 26
T 23	13 26	24 10	3 55	20 52	2 9	27 12	3 52	5 12	1 50	14 54	0 50	12 11	2 36	16 58	0 16	10 45	1 55	26 6	12 35	4 18	4 51	28 36	18 15	3 26
F 24	13 47	20 22	3 8	21 17	2 13	27 15	3 52	5 6	1 46	14 58	0 50	12 10	2 36	16 59	0 16	10 45	1 55	26 6	12 35	4 18	4 52	28 36	18 14	3 26
S 25	14 6	15 37	2 11	21 41	2 17	27 18	3 53	4 59	1 42	15 2	0 50	12 8	2 36	17 0	0 16	10 44	1 55	26 5	12 35	4 17	4 53	28 36	18 13	3 27
S 26	14 26	10 7	1 7	22 4	2 20	27 21	3 53	4 52	1 38	15 6	0 50	12 7	2 36	17 1	0 16	10 44	1 55	26 5	12 34	4 17	4 54	28 36	18 13	3 27
M27	14 46	4 0	0s 3	22 26	2 24	27 22	3 52	4 45	1 35	15 11	0 50	12 5	2 36	17 2	0 16	10 43	1 55	26 5	12 34	4 16	4 56	28 36	18 12	3 27
T 28	15 5	2s28	1 15	22 46	2 26	27 23	3 52	4 38	1 31	15 15	0 50	12 4	2 36	17 3	0 16	10 42	1 55	26 5	12 34	4 17	4 57	28 36	18 11	3 27
W29	15 24	9 3	2 25	23 5	2 29	27 24	3 51	4 31	1 28	15 19	0 50	12 2	2 36	17 5	0 15	10 42	1 55	26 5	12 33	4 18	4 58	28 36	18 10	3 28
T 30	15 42	15 21	3 27	23 22	2 30	27 24	3 51	4 23	1 24	15 23	0 50	12 1	2 35	17 6	0 15	10 41	1 55	26 4	12 33	4 20	4 59	28 36	18 10	3 28
F 31	16s 1	20s56	4s17	23s38	2s32	27s23	3s50	4s15	1s21	15s27	0n50	11n59	2s35	17s 7	0n15	10n41	1s55	26s 4	12s33	4s23	5s 1	28n36	18n 9	3s28

Julian Day Number = 2107400.5, Delta T = 20m11s
Ecliptic obliquity = 23°33'51, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°36'21, Lahiri = 10°43'21 Julian Calendar 1 Oct. 1057 == Greg. Calendar 7 Oct. 1057

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1057
geocentric

NOVEMBER 1057 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 3 45	14♏38'26	1♐22	5♐44	0♑12	22♓38	14♏36	8°R31	18♏20	2°R42	22♒ 0	18°R49	17♓20	27♊ 2	6°R48	S 1
S 2	3 7 42	15°39'09	16°23	6°57	1° 1	22°52	14°50	8♉26	18°23	2♉40	22° 0	18♓40	17°17	27° 9	6♊45	S 2
M 3	3 11 39	16°39'53	1♑18	8° 8	1°50	23° 5	15° 3	8°21	18°27	2°39	22° 0	18°32	17°14	27°15	6°41	M 3
T 4	3 15 35	17°40'38	15°59	9°16	2°38	23°20	15°17	8°17	18°31	2°37	22° 0	18°26	17°10	27°22	6°38	T 4
W 5	3 19 32	18°41'25	0♒21	10°22	3°25	23°35	15°30	8°12	18°35	2°35	22° 0	18°22	17° 7	27°29	6°35	W 5
T 6	3 23 28	19°42'12	14°21	11°24	4°11	23°50	15°43	8° 7	18°38	2°34	22° 0	18°D20	17° 4	27°36	6°31	T 6
F 7	3 27 25	20°43'00	28° 0	12°22	4°56	24° 6	15°57	8° 2	18°42	2°32	22° 0	18°20	17° 1	27°42	6°28	F 7
S 8	3 31 21	21°43'49	11♓19	13°16	5°40	24°23	16°10	7°58	18°46	2°31	22° 0	18°21	16°58	27°49	6°25	S 8
S 9	3 35 18	22°44'39	24°20	14° 5	6°23	24°40	16°23	7°53	18°49	2°29	22° 1	18°R21	16°55	27°56	6°21	S 9
M10	3 39 14	23°45'31	7♈ 7	14°48	7° 5	24°58	16°37	7°48	18°53	2°27	22° 1	18°19	16°51	28° 2	6°18	M10
T 11	3 43 11	24°46'23	19°42	15°26	7°46	25°16	16°50	7°44	18°57	2°26	22° 1	18°15	16°48	28° 9	6°14	T 11
W12	3 47 8	25°47'16	2♉ 6	15°56	8°26	25°35	17° 3	7°39	19° 1	2°24	22° 2	18° 8	16°45	28°16	6°11	W12
T 13	3 51 4	26°48'10	14°23	16°18	9° 4	25°54	17°17	7°35	19° 4	2°23	22° 2	17°58	16°42	28°23	6° 7	T 13
F 14	3 55 1	27°49'05	26°32	16°32	9°41	26°13	17°30	7°30	19° 8	2°21	22° 2	17°46	16°39	28°29	6° 4	F 14
S 15	3 58 57	28°50'01	8♊34	16°R36	10°17	26°33	17°43	7°26	19°12	2°20	22° 3	17°32	16°35	28°36	6° 0	S 15
S 16	4 2 54	29°50'59	20°31	16°29	10°51	26°54	17°57	7°21	19°15	2°18	22° 3	17°18	16°32	28°43	5°57	S 16
M17	4 6 50	0♐51'57	2♋24	16°12	11°24	27°15	18°10	7°17	19°19	2°17	22° 3	17° 5	16°29	28°50	5°53	M17
T 18	4 10 47	1°52'57	14°15	15°44	11°56	27°36	18°23	7°13	19°23	2°16	22° 4	16°54	16°26	28°56	5°50	T 18
W19	4 14 43	2°53'57	26° 6	15° 4	12°26	27°58	18°36	7° 9	19°26	2°14	22° 4	16°46	16°23	29° 3	5°46	W19
T 20	4 18 40	3°54'59	8♌ 1	14°13	12°54	28°20	18°49	7° 5	19°30	2°13	22° 5	16°40	16°20	29°10	5°43	T 20
F 21	4 22 37	4°56'02	20° 4	13°12	13°21	28°43	19° 3	7° 1	19°33	2°11	22° 5	16°37	16°16	29°16	5°39	F 21
S 22	4 26 33	5°57'06	2♍19	12° 2	13°46	29° 5	19°16	6°57	19°37	2°10	22° 6	16°D36	16°13	29°23	5°35	S 22
S 23	4 30 30	6°58'11	14°53	10°46	14° 9	29°29	19°29	6°53	19°41	2° 9	22° 7	16°R36	16°10	29°30	5°32	S 23
M24	4 34 26	7°59'16	27°50	9°24	14°30	29°52	19°42	6°49	19°44	2° 7	22° 7	16°36	16° 7	29°37	5°28	M24
T 25	4 38 23	9° 0'23	11♎15	8° 1	14°50	0♈16	19°55	6°45	19°48	2° 6	22° 8	16°34	16° 4	29°43	5°25	T 25
W26	4 42 19	10° 1'31	25° 9	6°39	15° 7	0°41	20° 8	6°41	19°51	2° 5	22° 9	16°30	16° 1	29°50	5°21	W26
T 27	4 46 16	11° 2'40	9♏34	5°21	15°22	1° 5	20°21	6°38	19°55	2° 4	22° 9	16°23	15°57	29°57	5°18	T 27
F 28	4 50 12	12° 3'49	24°25	4° 9	15°35	1°30	20°34	6°34	19°58	2° 2	22°10	16°13	15°54	0♋ 3	5°14	F 28
S 29	4 54 9	13° 4'59	9♐35	3° 6	15°46	1°56	20°47	6°31	20° 2	2° 1	22°11	16° 1	15°51	0°10	5°10	S 29
S 30	4 58 6	14♐ 6'10	24♐54	2♐11	15♑55	2♈22	21♏ 0	6♉27	20♏ 5	2♉ 0	22♒11	15♓49	15♓48	0♋17	5♊ 7	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s19	25s17	4s51	23s53	2s33	27s22	3s48	4s 7	1s18	15s31	0n50	11n58	2s35	17s 8	0n15	10n40	1s55	26s 4	12s33	4s27	5s 2	28n36	18n 8	3s28
S 2	16 37	27 54	5 4	24 6	2 33	27 21	3 47	3 59	1 14	15 35	0 50	11 56	2 35	17 9	0 15	10 40	1 55	26 4	12 32	4 30	5 3	28 36	18 7	3 28
M 3	16 54	28 30	4 57	24 17	2 33	27 18	3 45	3 51	1 11	15 39	0 50	11 55	2 35	17 10	0 15	10 39	1 55	26 3	12 32	4 34	5 4	28 36	18 7	3 29
T 4	17 12	27 4	4 30	24 27	2 32	27 16	3 43	3 42	1 8	15 43	0 49	11 54	2 35	17 11	0 15	10 39	1 55	26 3	12 32	4 36	5 5	28 36	18 6	3 29
W 5	17 29	23 52	3 47	24 36	2 30	27 12	3 41	3 33	1 5	15 47	0 49	11 52	2 35	17 12	0 15	10 38	1 55	26 3	12 32	4 37	5 7	28 36	18 5	3 29
T 6	17 45	19 20	2 51	24 42	2 28	27 8	3 39	3 24	1 2	15 51	0 49	11 51	2 35	17 13	0 15	10 38	1 55	26 2	12 31	4 38	5 8	28 36	18 4	3 29
F 7	18 2	13 54	1 46	24 47	2 24	27 4	3 36	3 15	0 59	15 55	0 49	11 49	2 35	17 14	0 15	10 37	1 55	26 2	12 31	4 38	5 9	28 36	18 4	3 29
S 8	18 18	7 56	0 37	24 49	2 20	26 59	3 33	3 6	0 56	15 58	0 49	11 48	2 35	17 15	0 15	10 36	1 55	26 2	12 31	4 38	5 10	28 36	18 3	3 30
S 9	18 33	1 47	0n32	24 50	2 15	26 54	3 30	2 56	0 53	16 2	0 49	11 46	2 34	17 16	0 15	10 36	1 55	26 1	12 30	4 38	5 12	28 36	18 2	3 30
M10	18 49	4n20	1 38	24 49	2 8	26 48	3 26	2 47	0 50	16 6	0 49	11 45	2 34	17 17	0 15	10 35	1 55	26 1	12 30	4 38	5 13	28 36	18 1	3 30
T 11	19 4	10 11	2 38	24 46	2 1	26 42	3 23	2 37	0 47	16 10	0 49	11 44	2 34	17 18	0 15	10 35	1 55	26 1	12 30	4 40	5 14	28 36	18 1	3 30
W12	19 18	15 33	3 30	24 40	1 52	26 36	3 18	2 27	0 45	16 14	0 49	11 42	2 34	17 19	0 15	10 34	1 55	26 0	12 30	4 43	5 15	28 36	18 0	3 30
T 13	19 33	20 14	4 11	24 32	1 42	26 29	3 14	2 17	0 42	16 18	0 49	11 41	2 34	17 20	0 15	10 34	1 55	26 0	12 29	4 47	5 17	28 36	17 59	3 30
F 14	19 47	24 1	4 41	24 22	1 30	26 21	3 9	2 7	0 39	16 22	0 49	11 40	2 34	17 21	0 15	10 33	1 55	26 0	12 29	4 52	5 18	28 35	17 58	3 31
S 15	20 0	26 44	4 57	24 10	1 17	26 13	3 4	1 56	0 37	16 25	0 49	11 38	2 34	17 22	0 15	10 33	1 55	25 59	12 29	4 57	5 19	28 35	17 58	3 31
S 16	20 13	28 13	5 0	23 55	1 2	26 5	2 59	1 46	0 34	16 29	0 49	11 37	2 33	17 23	0 15	10 33	1 55	25 59	12 29	5 3	5 20	28 35	17 57	3 31
M17	20 26	28 22	4 50	23 37	0 47	25 57	2 53	1 35	0 32	16 33	0 49	11 36	2 33	17 24	0 15	10 32	1 55	25 58	12 28	5 8	5 22	28 35	17 56	3 31
T 18	20 39	27 14	4 28	23 17	0 29	25 48	2 47	1 25	0 30	16 36	0 49	11 35	2 33	17 25	0 15	10 32	1 55	25 58	12 28	5 12	5 23	28 35	17 55	3 31
W19	20 51	24 51	3 53	22 54	0 11	25 39	2 41	1 14	0 27	16 40	0 49	11 34	2 33	17 26	0 15	10 31	1 55	25 58	12 28	5 15	5 24	28 35	17 55	3 31
T 20	21 3	21 24	3 9	22 29	0n 9	25 29	2 34	1 3	0 25	16 44	0 49	11 32	2 33	17 27	0 15	10 31	1 55	25 57	12 28	5 17	5 25	28 35	17 54	3 31
F 21	21 14	17 1	2 15	22 2	0 29	25 19	2 27	0 52	0 23	16 47	0 49	11 31	2 33	17 28	0 15	10 30	1 55	25 57	12 27	5 18	5 27	28 35	17 53	3 32
S 22	21 25	11 52	1 15	21 32	0 49	25 9	2 19	0 40	0 20	16 51	0 49	11 30	2 32	17 29	0 15	10 30	1 55	25 56	12 27	5 19	5 28	28 34	17 53	3 32
S 23	21 35	6 7	0 9	21 2	1 9	24 59	2 11	0 29	0 18	16 55	0 49	11 29	2 32	17 30	0 15	10 29	1 54	25 56	12 27	5 19	5 29	28 34	17 52	3 32
M24	21 45	0s 2	0s59	20 31	1 29	24 48	2 3	0 18	0 16	16 58	0 49	11 28	2 32	17 31	0 15	10 29	1 54	25 55	12 26	5 19	5 30	28 34	17 51	3 32
T 25	21 55	6 24	2 6	20 0	1 47	24 37	1 54	0 6	0 14	17 2	0 49	11 27	2 32	17 32	0 15	10 29	1 54	25 55	12 26	5 20	5 32	28 34	17 50	3 32
W26	22 4	12 42	3 8	19 30	2 4	24 26	1 44	0n 5	0 12	17 5	0 49	11 26	2 32	17 33	0 15	10 28	1 54	25 54	12 26	5 21	5 33	28 34	17 50	3 32
T 27	22 13	18 33	4 1	19 2	2 18	24 15	1 35	0 17	0 10	17 9	0 49	11 25	2 31	17 34	0 15	10 28	1 54	25 54	12 26	5 24	5 34	28 33	17 49	3 32
F 28	22 21	23 28	4 39	18 37	2 31	24 3	1 25	0 29	0 8	17 12	0 49	11 24	2 31	17 35	0 15	10 27	1 54	25 54	12 25	5 28	5 35	28 33	17 48	3 32
S 29	22 29	26 55	4 58	18 15	2 41	23 51	1 14	0 41	0 6	17 16	0 48	11 23	2 31	17 36	0 15	10 27	1 54	25 53	12 25	5 32	5 37	28 33	17 48	3 32
S 30	22s37	28s24	4s56	17s57	2n49	23s39	1s 3	0n53	0s 4	17s19	0n48	11n22	2s31	17s37	0n15	10n27	1s54	25s53	12s25	5s37	5s38	28n33	17n47	3s32

Julian Day Number = 2107431.5, Delta T = 20m11s
Ecliptic obliquity = 23°33'50, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°36'25, Lahiri = 10°43'26 Julian Calendar 1 Nov. 1057 == Greg. Calendar 7 Nov. 1057

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1057
geocentric

DECEMBER 1057 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 2 2	15♐ 7'21	10♑10	1°R27	16♑ 2	2♈47	21♏13	6°R24	20♏ 9	1°R59	22♒12	15°R39	15♓45	0♋24	5°R 3	M 1
T 2	5 5 59	16° 8'33	25°12	0♐54	16° 6	3°14	21°25	6♉21	20°12	1♉58	22°13	15♓30	15°41	0°30	5♊ 0	T 2
W 3	5 9 55	17° 9'45	9♒52	0°32	16°R 8	3°40	21°38	6°18	20°16	1°57	22°14	15°24	15°38	0°37	4°56	W 3
T 4	5 13 52	18°10'56	24° 5	0°21	16° 7	4° 7	21°51	6°15	20°19	1°56	22°15	15°21	15°35	0°44	4°53	T 4
F 5	5 17 48	19°12'08	7♓51	0°D19	16° 4	4°34	22° 4	6°12	20°22	1°55	22°16	15°20	15°32	0°51	4°49	F 5
S 6	5 21 45	20°13'19	21°11	0°27	15°58	5° 2	22°16	6° 9	20°26	1°54	22°16	15°20	15°29	0°57	4°46	S 6
S 7	5 25 42	21°14'31	4♈ 8	0°43	15°50	5°29	22°29	6° 6	20°29	1°53	22°17	15°19	15°26	1° 4	4°43	S 7
M 8	5 29 38	22°15'42	16°47	1° 7	15°39	5°57	22°41	6° 4	20°32	1°52	22°18	15°17	15°22	1°11	4°39	M 8
T 9	5 33 35	23°16'54	29°11	1°38	15°25	6°26	22°54	6° 1	20°36	1°51	22°19	15°13	15°19	1°17	4°36	T 9
W10	5 37 31	24°18'05	11♉24	2°16	15°10	6°54	23° 6	5°59	20°39	1°50	22°20	15° 5	15°16	1°24	4°33	W10
T 11	5 41 28	25°19'16	23°29	2°59	14°51	7°23	23°19	5°56	20°42	1°49	22°21	14°54	15°13	1°31	4°29	T 11
F 12	5 45 24	26°20'27	5♊29	3°47	14°31	7°51	23°31	5°54	20°45	1°48	22°22	14°42	15°10	1°38	4°26	F 12
S 13	5 49 21	27°21'39	17°24	4°39	14° 8	8°21	23°43	5°52	20°49	1°47	22°23	14°27	15° 7	1°44	4°23	S 13
S 14	5 53 17	28°22'50	29°18	5°36	13°43	8°50	23°55	5°50	20°52	1°46	22°24	14°12	15° 3	1°51	4°20	S 14
M15	5 57 14	29°24'01	11♋10	6°36	13°16	9°19	24° 8	5°48	20°55	1°46	22°25	13°59	15° 0	1°58	4°16	M15
T 16	6 1 11	0♑25'12	23° 2	7°40	12°47	9°49	24°20	5°46	20°58	1°45	22°27	13°47	14°57	2° 4	4°13	T 16
W17	6 5 7	1°26'23	4♌56	8°46	12°16	10°19	24°32	5°44	21° 1	1°44	22°28	13°38	14°54	2°11	4°10	W17
T 18	6 9 4	2°27'34	16°54	9°54	11°43	10°49	24°44	5°43	21° 4	1°44	22°29	13°32	14°51	2°18	4° 7	T 18
F 19	6 13 0	3°28'44	29° 0	11° 5	11°10	11°19	24°56	5°41	21° 7	1°43	22°30	13°28	14°47	2°25	4° 4	F 19
S 20	6 16 57	4°29'55	11♍16	12°18	10°35	11°50	25° 7	5°40	21°10	1°42	22°31	13°D27	14°44	2°31	4° 1	S 20
S 21	6 20 53	5°31'06	23°48	13°33	9°59	12°20	25°19	5°39	21°13	1°42	22°32	13°28	14°41	2°38	3°58	S 21
M22	6 24 50	6°32'16	6♎39	14°49	9°23	12°51	25°31	5°38	21°16	1°41	22°34	13°R28	14°38	2°45	3°55	M22
T 23	6 28 46	7°33'27	19°55	16° 7	8°46	13°22	25°43	5°37	21°19	1°41	22°35	13°27	14°35	2°51	3°53	T 23
W24	6 32 43	8°34'37	3♏39	17°26	8° 9	13°53	25°54	5°36	21°21	1°40	22°36	13°24	14°32	2°58	3°50	W24
T 25	6 36 40	9°35'47	17°52	18°46	7°33	14°25	26° 6	5°35	21°24	1°40	22°37	13°19	14°28	3° 5	3°47	T 25
F 26	6 40 36	10°36'57	2♐32	20° 8	6°56	14°56	26°17	5°34	21°27	1°40	22°39	13°12	14°25	3°12	3°44	F 26
S 27	6 44 33	11°38'07	17°35	21°30	6°21	15°28	26°28	5°33	21°30	1°39	22°40	13° 3	14°22	3°18	3°42	S 27
S 28	6 48 29	12°39'17	2♑52	22°54	5°46	15°59	26°40	5°33	21°32	1°39	22°41	12°53	14°19	3°25	3°39	S 28
M29	6 52 26	13°40'26	18°12	24°18	5°12	16°31	26°51	5°33	21°35	1°39	22°43	12°44	14°16	3°32	3°37	M29
T 30	6 56 22	14°41'34	3♒23	25°43	4°40	17° 3	27° 2	5°32	21°38	1°38	22°44	12°36	14°13	3°38	3°34	T 30
W31	7 0 19	15♑42'41	18♒15	27♐ 9	4♑ 9	17♈36	27♏13	5♉32	21♏40	1♉38	22♒45	12♓31	14♓ 9	3♋45	3♊32	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s44	27s43	4s33	17s43	2n54	23s27	0s52	1n 5	0s 2	17s23	0n48	11n21	2s30	17s38	0n15	10n26	1s54	25s52	12s25	5s41	5s39	28n33	17n46	3s32
T 2	22 50	25 0	3 51	17 33	2 57	23 15	0 40	1 17	0 0	17 26	0 48	11 21	2 30	17 39	0 15	10 26	1 54	25 52	12 24	5 45	5 40	28 32	17 45	3 32
W 3	22 56	20 41	2 55	17 27	2 59	23 3	0 28	1 29	0n 1	17 29	0 48	11 20	2 30	17 39	0 15	10 26	1 54	25 51	12 24	5 47	5 41	28 32	17 45	3 33
T 4	23 2	15 17	1 50	17 25	2 59	22 50	0 15	1 42	0 3	17 33	0 48	11 19	2 30	17 40	0 15	10 25	1 54	25 51	12 24	5 48	5 43	28 32	17 44	3 33
F 5	23 7	9 17	0 39	17 26	2 57	22 38	0 2	1 54	0 5	17 36	0 48	11 18	2 29	17 41	0 15	10 25	1 54	25 50	12 24	5 49	5 44	28 31	17 43	3 33
S 6	23 12	3 2	0n31	17 31	2 54	22 25	0n11	2 7	0 7	17 39	0 48	11 18	2 29	17 42	0 15	10 25	1 54	25 49	12 24	5 49	5 45	28 31	17 43	3 33
S 7	23 16	3n 9	1 38	17 38	2 50	22 12	0 25	2 19	0 8	17 42	0 48	11 17	2 29	17 43	0 15	10 24	1 54	25 49	12 23	5 49	5 46	28 31	17 42	3 33
M 8	23 20	9 3	2 38	17 48	2 44	21 59	0 39	2 32	0 10	17 46	0 48	11 16	2 29	17 44	0 15	10 24	1 54	25 48	12 23	5 50	5 48	28 31	17 42	3 33
T 9	23 24	14 30	3 29	18 0	2 39	21 46	0 54	2 44	0 11	17 49	0 48	11 16	2 28	17 45	0 15	10 24	1 54	25 48	12 23	5 51	5 49	28 30	17 41	3 33
W10	23 26	19 17	4 10	18 14	2 32	21 34	1 9	2 57	0 13	17 52	0 48	11 15	2 28	17 46	0 15	10 24	1 54	25 47	12 23	5 54	5 50	28 30	17 40	3 33
T 11	23 29	23 15	4 39	18 30	2 25	21 21	1 24	3 10	0 15	17 55	0 48	11 15	2 28	17 47	0 15	10 23	1 54	25 47	12 22	5 58	5 51	28 30	17 40	3 33
F 12	23 31	26 11	4 56	18 46	2 17	21 8	1 39	3 23	0 16	17 58	0 48	11 14	2 28	17 47	0 15	10 23	1 54	25 46	12 22	6 4	5 53	28 29	17 39	3 33
S 13	23 32	27 56	4 59	19 3	2 10	20 55	1 55	3 36	0 17	18 1	0 48	11 14	2 27	17 48	0 15	10 23	1 54	25 46	12 22	6 9	5 54	28 29	17 39	3 33
S 14	23 33	28 23	4 50	19 21	2 1	20 42	2 10	3 48	0 19	18 4	0 48	11 13	2 27	17 49	0 15	10 23	1 53	25 45	12 22	6 15	5 55	28 29	17 38	3 33
M15	23 34	27 32	4 27	19 40	1 53	20 29	2 26	4 1	0 20	18 7	0 48	11 13	2 27	17 50	0 15	10 22	1 53	25 45	12 22	6 20	5 56	28 28	17 37	3 33
T 16	23 34	25 25	3 53	19 59	1 45	20 16	2 41	4 14	0 22	18 10	0 48	11 13	2 26	17 51	0 15	10 22	1 53	25 44	12 21	6 25	5 57	28 28	17 37	3 33
W17	23 33	22 11	3 9	20 18	1 36	20 3	2 57	4 27	0 23	18 13	0 48	11 12	2 26	17 52	0 15	10 22	1 53	25 43	12 21	6 28	5 59	28 28	17 36	3 33
T 18	23 32	18 0	2 16	20 36	1 28	19 51	3 12	4 41	0 24	18 16	0 48	11 12	2 26	17 52	0 15	10 22	1 53	25 43	12 21	6 31	6 0	28 27	17 36	3 33
F 19	23 31	13 4	1 16	20 55	1 19	19 39	3 28	4 54	0 26	18 19	0 48	11 12	2 26	17 53	0 15	10 22	1 53	25 42	12 21	6 32	6 1	28 27	17 35	3 33
S 20	23 29	7 33	0 12	21 13	1 10	19 26	3 43	5 7	0 27	18 22	0 48	11 12	2 25	17 54	0 15	10 22	1 53	25 42	12 21	6 32	6 2	28 26	17 35	3 33
S 21	23 27	1 38	0s55	21 31	1 2	19 14	3 57	5 20	0 28	18 25	0 48	11 12	2 25	17 55	0 15	10 21	1 53	25 41	12 20	6 32	6 4	28 26	17 34	3 33
M22	23 24	4s30	2 0	21 49	0 53	19 3	4 12	5 33	0 29	18 27	0 48	11 11	2 25	17 55	0 15	10 21	1 53	25 41	12 20	6 32	6 5	28 26	17 34	3 33
T 23	23 21	10 37	3 1	22 6	0 45	18 51	4 26	5 46	0 31	18 30	0 48	11 11	2 24	17 56	0 15	10 21	1 53	25 40	12 20	6 32	6 6	28 25	17 33	3 33
W24	23 17	16 28	3 54	22 22	0 36	18 40	4 39	6 0	0 32	18 33	0 48	11 11	2 24	17 57	0 15	10 21	1 53	25 39	12 20	6 33	6 7	28 25	17 33	3 32
T 25	23 13	21 38	4 34	22 37	0 28	18 30	4 52	6 13	0 33	18 36	0 48	11 11	2 24	17 58	0 15	10 21	1 53	25 39	12 20	6 35	6 9	28 24	17 32	3 32
F 26	23 8	25 39	4 58	22 52	0 20	18 19	5 4	6 26	0 34	18 38	0 48	11 11	2 24	17 58	0 15	10 21	1 53	25 38	12 20	6 38	6 10	28 24	17 32	3 32
S 27	23 3	28 0	5 3	23 6	0 12	18 10	5 15	6 39	0 35	18 41	0 48	11 11	2 23	17 59	0 15	10 21	1 53	25 38	12 19	6 42	6 11	28 23	17 32	3 32
S 28	22 57	28 17	4 46	23 19	0 4	18 0	5 26	6 53	0 36	18 43	0 48	11 12	2 23	18 0	0 15	10 21	1 53	25 37	12 19	6 45	6 12	28 23	17 31	3 32
M29	22 51	26 25	4 8	23 30	0s 4	17 52	5 36	7 6	0 37	18 46	0 48	11 12	2 23	18 0	0 15	10 21	1 53	25 36	12 19	6 49	6 13	28 22	17 31	3 32
T 30	22 45	22 38	3 13	23 41	0 12	17 43	5 46	7 19	0 38	18 49	0 49	11 12	2 22	18 1	0 15	10 21	1 52	25 36	12 19	6 52	6 15	28 22	17 30	3 32
W31	22s38	17s26	2s 6	23s51	0s19	17s36	5n54	7n33	0n39	18s51	0n49	11n12	2s22	18s 2	0n15	10n21	1s52	25s35	12s19	6s54	6s16	28n21	17n30	3s32

Julian Day Number = 2107461.5, Delta T = 20m11s
Ecliptic obliquity = 23°33'49, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°36'29, Lahiri = 10°43'30 Julian Calendar 1 Dec. 1057 == Greg. Calendar 7 Dec. 1057

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1058
geocentric

JANUARY 1058 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 4 16	16♉43'48	2♓43	28♐36	3°R40	18♈ 8	27♏24	5°D32	21♏43	1°R38	22♒47	12°R29	14♓ 6	3♋52	3°R30	T 1
F 2	7 8 12	17°44'53	16°41	0♉ 4	3♉12	18°40	27°35	5♉32	21°45	1♉38	22°48	12°D29	14° 3	3°59	3♊27	F 2
S 3	7 12 9	18°45'57	0♈11	1°32	2°47	19°13	27°45	5°32	21°48	1°38	22°50	12♓29	14° 0	4° 5	3°25	S 3
S 4	7 16 5	19°47'01	13°15	3° 1	2°23	19°46	27°56	5°33	21°50	1°38	22°51	12°30	13°57	4°12	3°23	S 4
M 5	7 20 2	20°48'03	25°56	4°31	2° 2	20°19	28° 6	5°33	21°52	1°38	22°52	12°R30	13°53	4°19	3°21	M 5
T 6	7 23 58	21°49'04	8♉18	6° 1	1°44	20°52	28°17	5°34	21°55	1°D38	22°54	12°29	13°50	4°25	3°19	T 6
W 7	7 27 55	22°50'03	20°28	7°32	1°27	21°25	28°27	5°34	21°57	1°38	22°55	12°25	13°47	4°32	3°17	W 7
T 8	7 31 51	23°51'02	2♊28	9° 4	1°13	21°58	28°37	5°35	21°59	1°38	22°57	12°19	13°44	4°39	3°15	T 8
F 9	7 35 48	24°51'59	14°22	10°36	1° 2	22°31	28°48	5°36	22° 1	1°38	22°58	12°11	13°41	4°46	3°13	F 9
S 10	7 39 45	25°52'56	26°14	12° 9	0°53	23° 5	28°58	5°37	22° 3	1°38	23° 0	12° 2	13°38	4°52	3°11	S 10
S 11	7 43 41	26°53'51	8♋ 5	13°43	0°46	23°38	29° 8	5°38	22° 6	1°38	23° 1	11°53	13°34	4°59	3°10	S 11
M12	7 47 38	27°54'44	19°59	15°18	0°42	24°12	29°18	5°39	22° 8	1°38	23° 3	11°44	13°31	5° 6	3° 8	M12
T 13	7 51 34	28°55'37	1♌55	16°53	0°D41	24°45	29°27	5°41	22°10	1°38	23° 4	11°36	13°28	5°13	3° 7	T 13
W14	7 55 31	29°56'29	13°57	18°29	0°42	25°19	29°37	5°42	22°12	1°39	23° 6	11°31	13°25	5°19	3° 5	W14
T 15	7 59 27	0♒57'19	26° 5	20° 5	0°45	25°53	29°46	5°44	22°13	1°39	23° 7	11°27	13°22	5°26	3° 4	T 15
F 16	8 3 24	1°58'08	8♍20	21°43	0°51	26°27	29°56	5°45	22°15	1°39	23° 9	11°D26	13°19	5°33	3° 2	F 16
S 17	8 7 20	2°58'56	20°47	23°21	0°59	27° 1	0♐ 5	5°47	22°17	1°40	23°11	11°27	13°15	5°39	3° 1	S 17
S 18	8 11 17	3°59'43	3♎26	25° 0	1° 9	27°35	0°14	5°49	22°19	1°40	23°12	11°28	13°12	5°46	3° 0	S 18
M19	8 15 14	5° 0'29	16°22	26°39	1°22	28° 9	0°23	5°51	22°21	1°41	23°14	11°30	13° 9	5°53	2°59	M19
T 20	8 19 10	6° 1'14	29°36	28°20	1°36	28°44	0°32	5°53	22°22	1°41	23°15	11°31	13° 6	5°59	2°58	T 20
W21	8 23 7	7° 1'58	13♏13	0♒ 1	1°53	29°18	0°41	5°55	22°24	1°42	23°17	11°R31	13° 3	6° 6	2°57	W21
T 22	8 27 3	8° 2'40	27°12	1°43	2°11	29°53	0°50	5°58	22°25	1°42	23°19	11°29	12°59	6°13	2°56	T 22
F 23	8 31 0	9° 3'22	11♐35	3°26	2°32	0♑27	0°58	6° 0	22°27	1°43	23°20	11°26	12°56	6°20	2°55	F 23
S 24	8 34 56	10° 4'03	26°17	5°10	2°55	1° 2	1° 7	6° 2	22°28	1°43	23°22	11°22	12°53	6°26	2°54	S 24
S 25	8 38 53	11° 4'42	11♉14	6°54	3°19	1°36	1°15	6° 5	22°30	1°44	23°23	11°18	12°50	6°33	2°54	S 25
M26	8 42 49	12° 5'20	26°17	8°40	3°45	2°11	1°24	6° 8	22°31	1°45	23°25	11°13	12°47	6°40	2°53	M26
T 27	8 46 46	13° 5'56	11♒18	10°26	4°13	2°46	1°32	6°11	22°32	1°45	23°27	11°10	12°44	6°46	2°52	T 27
W28	8 50 43	14° 6'31	26° 7	12°13	4°42	3°21	1°40	6°14	22°34	1°46	23°28	11° 8	12°40	6°53	2°52	W28
T 29	8 54 39	15° 7'04	10♓36	14° 1	5°13	3°56	1°47	6°17	22°35	1°47	23°30	11°D 7	12°37	7° 0	2°52	T 29
F 30	8 58 36	16° 7'36	24°41	15°50	5°45	4°31	1°55	6°20	22°36	1°48	23°32	11° 7	12°34	7° 7	2°51	F 30
S 31	9 2 32	17♒ 8'05	8♈19	17♒40	6♉19	5♉ 6	2♐ 3	6♉23	22♏37	1♉48	23♒33	11♓ 9	12♓31	7♋13	2♊51	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s31	11s22	0s52	24s 0	0s26	17s29	6n 2	7n46	0n40	18s54	0n49	11n12	2s22	18s 2	0n15	10n21	1s52	25s34	12s19	6s55	6s17	28n21	17n30	3s32
F 2	22 23	4 56	0n23	24 7	0 33	17 22	6 9	7 59	0 41	18 56	0 49	11 13	2 21	18 3	0 15	10 21	1 52	25 34	12 19	6 55	6 18	28 20	17 29	3 32
S 3	22 15	1n30	1 34	24 13	0 40	17 17	6 16	8 13	0 42	18 58	0 49	11 13	2 21	18 4	0 15	10 21	1 52	25 33	12 18	6 54	6 20	28 20	17 29	3 32
S 4	22 6	7 40	2 37	24 19	0 47	17 11	6 21	8 26	0 43	19 1	0 49	11 14	2 21	18 4	0 15	10 21	1 52	25 33	12 18	6 54	6 21	28 19	17 29	3 32
M 5	21 57	13 21	3 32	24 22	0 53	17 7	6 26	8 39	0 44	19 3	0 49	11 14	2 21	18 5	0 15	10 21	1 52	25 32	12 18	6 54	6 22	28 19	17 28	3 32
T 6	21 47	18 21	4 14	24 25	0 59	17 3	6 30	8 53	0 45	19 5	0 49	11 14	2 20	18 6	0 15	10 21	1 52	25 31	12 18	6 55	6 23	28 18	17 28	3 31
W 7	21 37	22 32	4 45	24 26	1 5	17 0	6 33	9 6	0 46	19 8	0 49	11 15	2 20	18 6	0 15	10 21	1 52	25 31	12 18	6 56	6 25	28 18	17 28	3 31
T 8	21 27	25 42	5 2	24 26	1 11	16 57	6 36	9 19	0 47	19 10	0 49	11 15	2 20	18 7	0 15	10 21	1 52	25 30	12 18	6 59	6 26	28 17	17 28	3 31
F 9	21 16	27 43	5 7	24 25	1 17	16 55	6 38	9 32	0 47	19 12	0 49	11 16	2 19	18 7	0 15	10 21	1 52	25 30	12 18	7 2	6 27	28 17	17 27	3 31
S 10	21 5	28 28	4 58	24 22	1 22	16 54	6 40	9 46	0 48	19 14	0 49	11 17	2 19	18 8	0 15	10 21	1 52	25 29	12 18	7 5	6 28	28 16	17 27	3 31
S 11	20 53	27 54	4 36	24 18	1 27	16 53	6 40	9 59	0 49	19 16	0 49	11 17	2 19	18 8	0 15	10 21	1 52	25 28	12 17	7 9	6 29	28 15	17 27	3 31
M12	20 41	26 3	4 2	24 12	1 32	16 53	6 41	10 12	0 50	19 18	0 49	11 18	2 18	18 9	0 15	10 22	1 52	25 28	12 17	7 12	6 31	28 15	17 27	3 31
T 13	20 29	23 2	3 17	24 5	1 36	16 53	6 40	10 25	0 51	19 21	0 49	11 19	2 18	18 9	0 15	10 22	1 52	25 27	12 17	7 15	6 32	28 14	17 26	3 31
W14	20 16	19 1	2 23	23 56	1 40	16 54	6 40	10 38	0 51	19 23	0 49	11 19	2 18	18 10	0 15	10 22	1 52	25 27	12 17	7 17	6 33	28 14	17 26	3 31
T 15	20 3	14 11	1 22	23 46	1 44	16 55	6 38	10 52	0 52	19 25	0 49	11 20	2 17	18 10	0 15	10 22	1 51	25 26	12 17	7 18	6 34	28 13	17 26	3 30
F 16	19 49	8 45	0 17	23 35	1 48	16 57	6 37	11 5	0 53	19 27	0 49	11 21	2 17	18 11	0 15	10 22	1 51	25 25	12 17	7 19	6 36	28 12	17 26	3 30
S 17	19 36	2 54	0s51	23 21	1 51	16 59	6 34	11 18	0 54	19 28	0 49	11 22	2 17	18 11	0 15	10 22	1 51	25 25	12 17	7 19	6 37	28 12	17 26	3 30
S 18	19 21	3s10	1 57	23 7	1 54	17 2	6 32	11 31	0 54	19 30	0 49	11 23	2 17	18 12	0 15	10 23	1 51	25 24	12 17	7 18	6 38	28 11	17 26	3 30
M19	19 7	9 13	2 59	22 50	1 57	17 4	6 29	11 44	0 55	19 32	0 49	11 24	2 16	18 12	0 15	10 23	1 51	25 24	12 17	7 17	6 39	28 11	17 26	3 30
T 20	18 52	15 1	3 53	22 32	1 59	17 7	6 26	11 57	0 56	19 34	0 49	11 25	2 16	18 13	0 15	10 23	1 51	25 23	12 17	7 17	6 40	28 10	17 26	3 30
W21	18 37	20 15	4 35	22 13	2 1	17 11	6 22	12 10	0 56	19 36	0 49	11 26	2 16	18 13	0 15	10 23	1 51	25 22	12 17	7 17	6 42	28 9	17 26	3 30
T 22	18 21	24 32	5 2	21 52	2 2	17 14	6 18	12 22	0 57	19 38	0 49	11 27	2 15	18 13	0 15	10 23	1 51	25 22	12 17	7 18	6 43	28 9	17 26	3 30
F 23	18 5	27 26	5 12	21 29	2 3	17 18	6 14	12 35	0 58	19 39	0 49	11 28	2 15	18 14	0 15	10 24	1 51	25 21	12 17	7 19	6 44	28 8	17 26	3 29
S 24	17 49	28 32	5 2	21 5	2 4	17 22	6 10	12 48	0 58	19 41	0 49	11 29	2 15	18 14	0 15	10 24	1 51	25 21	12 17	7 20	6 45	28 7	17 26	3 29
S 25	17 32	27 35	4 31	20 39	2 4	17 26	6 5	13 1	0 59	19 43	0 49	11 30	2 15	18 15	0 15	10 24	1 51	25 20	12 17	7 22	6 47	28 6	17 26	3 29
M26	17 15	24 37	3 41	20 11	2 4	17 30	6 1	13 13	0 59	19 44	0 50	11 31	2 14	18 15	0 15	10 25	1 51	25 19	12 17	7 24	6 48	28 6	17 26	3 29
T 27	16 58	19 59	2 36	19 41	2 3	17 34	5 56	13 26	1 0	19 46	0 50	11 33	2 14	18 15	0 15	10 25	1 51	25 19	12 17	7 25	6 49	28 5	17 26	3 29
W28	16 41	14 9	1 21	19 10	2 2	17 39	5 50	13 38	1 1	19 47	0 50	11 34	2 14	18 16	0 15	10 25	1 51	25 18	12 17	7 26	6 50	28 4	17 26	3 29
T 29	16 23	7 40	0 3	18 38	2 1	17 43	5 45	13 51	1 1	19 49	0 50	11 35	2 13	18 16	0 15	10 26	1 51	25 18	12 17	7 26	6 51	28 4	17 26	3 28
F 30	16 5	1 0	1n14	18 3	1 59	17 47	5 40	14 3	1 2	19 50	0 50	11 36	2 13	18 16	0 15	10 26	1 50	25 17	12 17	7 26	6 53	28 3	17 26	3 28
S 31	15s47	5n31	2n24	17s27	1s56	17s51	5n34	14n16	1n 2	19s52	0n50	11n38	2s13	18s16	0n15	10n26	1s50	25s16	12s17	7s25	6s54	28n 2	17n26	3s28

Julian Day Number = 2107492.5, Delta T = 20m10s
Ecliptic obliquity = 23°33'49, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°36'34, Lahiri = 10°43'34 Julian Calendar 1 Jan. 1058 == Greg. Calendar 7 Jan. 1058

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1058
geocentric

FEBRUARY 1058 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 6 29	18♒ 8'33	21♈32	19♒31	6♑54	5♉41	2♐10	6♉26	22♏38	1♉49	23♒35	11♓10	12♓28	7♋20	2°R51	S 1
M 2	9 10 25	19° 8'58	4♉20	21°22	7°30	6°16	2°17	6°30	22°39	1°50	23°37	11°12	12°25	7°27	2°D51	M 2
T 3	9 14 22	20° 9'22	16°47	23°14	8° 8	6°51	2°24	6°33	22°40	1°51	23°38	11°R12	12°21	7°33	2♊51	T 3
W 4	9 18 18	21° 9'44	28°59	25° 7	8°47	7°27	2°31	6°37	22°41	1°52	23°40	11°12	12°18	7°40	2°51	W 4
T 5	9 22 15	22°10'04	11♊ 0	27° 0	9°27	8° 2	2°38	6°41	22°42	1°53	23°42	11°11	12°15	7°47	2°51	T 5
F 6	9 26 12	23°10'22	22°53	28°54	10° 8	8°37	2°45	6°45	22°43	1°54	23°43	11° 9	12°12	7°54	2°51	F 6
S 7	9 30 8	24°10'37	4♋44	0♓48	10°50	9°13	2°51	6°49	22°43	1°55	23°45	11° 7	12° 9	8° 0	2°52	S 7
S 8	9 34 5	25°10'51	16°36	2°43	11°34	9°48	2°58	6°53	22°44	1°56	23°47	11° 4	12° 5	8° 7	2°52	S 8
M 9	9 38 1	26°11'03	28°32	4°37	12°18	10°24	3° 4	6°57	22°45	1°58	23°48	11° 2	12° 2	8°14	2°52	M 9
T 10	9 41 58	27°11'13	10♌35	6°31	13° 3	10°59	3°10	7° 1	22°45	1°59	23°50	11° 0	11°59	8°20	2°53	T 10
W11	9 45 54	28°11'20	22°46	8°25	13°49	11°35	3°16	7° 5	22°46	2° 0	23°52	10°58	11°56	8°27	2°54	W11
T 12	9 49 51	29°11'26	5♍ 7	10°18	14°36	12°11	3°22	7°10	22°46	2° 1	23°53	10°D58	11°53	8°34	2°54	T 12
F 13	9 53 47	0♓11'30	17°40	12°10	15°24	12°46	3°27	7°14	22°47	2° 2	23°55	10°58	11°50	8°41	2°55	F 13
S 14	9 57 44	1°11'32	0♎24	14° 1	16°13	13°22	3°33	7°19	22°47	2° 4	23°56	10°58	11°46	8°47	2°56	S 14
S 15	10 1 41	2°11'32	13°22	15°49	17° 3	13°58	3°38	7°23	22°47	2° 5	23°58	10°59	11°43	8°54	2°57	S 15
M16	10 5 37	3°11'31	26°33	17°36	17°53	14°34	3°43	7°28	22°47	2° 6	24° 0	11° 0	11°40	9° 1	2°58	M16
T 17	10 9 34	4°11'28	9♏59	19°20	18°44	15° 9	3°48	7°33	22°48	2° 8	24° 1	11° 0	11°37	9° 7	2°59	T 17
W18	10 13 30	5°11'23	23°40	21° 0	19°36	15°45	3°53	7°38	22°48	2° 9	24° 3	11° 1	11°34	9°14	3° 0	W18
T 19	10 17 27	6°11'17	7♐36	22°37	20°28	16°21	3°58	7°43	22°48	2°10	24° 5	11°R 1	11°31	9°21	3° 1	T 19
F 20	10 21 23	7°11'09	21°46	24°10	21°21	16°57	4° 2	7°48	22°R48	2°12	24° 6	11° 1	11°27	9°27	3° 2	F 20
S 21	10 25 20	8°10'59	6♑ 8	25°37	22°15	17°33	4° 6	7°53	22°48	2°13	24° 8	11° 1	11°24	9°34	3° 4	S 21
S 22	10 29 16	9°10'48	20°40	27° 0	23° 9	18° 9	4°10	7°58	22°48	2°15	24°10	11° 0	11°21	9°41	3° 5	S 22
M23	10 33 13	10°10'35	5♒16	28°16	24° 4	18°45	4°14	8° 3	22°48	2°16	24°11	11° 0	11°18	9°48	3° 7	M23
T 24	10 37 10	11°10'20	19°51	29°27	24°59	19°21	4°18	8° 9	22°47	2°18	24°13	11°D 0	11°15	9°54	3° 8	T 24
W25	10 41 6	12°10'02	4♓19	0♈31	25°55	19°57	4°22	8°14	22°47	2°19	24°14	11°R 0	11°11	10° 1	3°10	W25
T 26	10 45 3	13° 9'43	18°34	1°28	26°51	20°33	4°25	8°20	22°47	2°21	24°16	11° 0	11° 8	10° 8	3°12	T 26
F 27	10 48 59	14° 9'22	2♈31	2°17	27°48	21°10	4°28	8°25	22°47	2°23	24°18	11° 0	11° 5	10°14	3°13	F 27
S 28	10 52 56	15♓ 8'59	16♈ 7	2♈59	28♑45	21♉46	4♐32	8♉31	22♏46	2♉24	24♒19	11♓ 0	11♓ 2	10♋21	3♊15	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s28	11n35	3n24	16s50	1s53	17s55	5n28	14n28	1n 3	19s53	0n50	11n39	2s12	18s17	0n15	10n27	1s50	25s16	12s17	7s25	6s55	28n 1	17n26	3s28
M 2	15 9	16 59	4 12	16 10	1 49	17 59	5 22	14 40	1 3	19 55	0 50	11 41	2 12	18 17	0 15	10 27	1 50	25 15	12 17	7 24	6 56	28 1	17 26	3 28
T 3	14 50	21 31	4 47	15 30	1 45	18 3	5 16	14 52	1 4	19 56	0 50	11 42	2 12	18 17	0 15	10 27	1 50	25 15	12 17	7 24	6 58	28 0	17 26	3 28
W 4	14 31	25 2	5 8	14 47	1 40	18 7	5 10	15 5	1 4	19 57	0 50	11 43	2 12	18 17	0 15	10 28	1 50	25 14	12 17	7 24	6 59	27 59	17 27	3 28
T 5	14 12	27 24	5 15	14 3	1 35	18 10	5 4	15 17	1 5	19 59	0 50	11 45	2 11	18 18	0 15	10 28	1 50	25 14	12 17	7 24	7 0	27 58	17 27	3 27
F 6	13 52	28 30	5 9	13 18	1 29	18 13	4 58	15 29	1 5	20 0	0 50	11 46	2 11	18 18	0 15	10 29	1 50	25 13	12 17	7 25	7 1	27 57	17 27	3 27
S 7	13 32	28 17	4 49	12 31	1 22	18 17	4 52	15 40	1 6	20 1	0 50	11 48	2 11	18 18	0 15	10 29	1 50	25 13	12 17	7 26	7 2	27 57	17 27	3 27
S 8	13 12	26 46	4 17	11 43	1 15	18 19	4 45	15 52	1 6	20 2	0 50	11 49	2 11	18 18	0 15	10 29	1 50	25 12	12 17	7 27	7 4	27 56	17 27	3 27
M 9	12 51	24 3	3 33	10 54	1 7	18 22	4 39	16 4	1 6	20 3	0 50	11 51	2 10	18 18	0 15	10 30	1 50	25 11	12 17	7 28	7 5	27 55	17 28	3 27
T 10	12 31	20 15	2 40	10 4	0 58	18 24	4 32	16 16	1 7	20 5	0 50	11 53	2 10	18 18	0 15	10 30	1 50	25 11	12 17	7 29	7 6	27 54	17 28	3 27
W11	12 10	15 33	1 39	9 13	0 49	18 26	4 26	16 27	1 7	20 6	0 50	11 54	2 10	18 19	0 15	10 31	1 50	25 10	12 17	7 29	7 7	27 53	17 28	3 26
T 12	11 49	10 11	0 32	8 21	0 39	18 28	4 19	16 38	1 8	20 7	0 51	11 56	2 10	18 19	0 15	10 31	1 50	25 10	12 17	7 30	7 9	27 53	17 28	3 26
F 13	11 28	4 20	0s37	7 29	0 29	18 29	4 12	16 50	1 8	20 8	0 51	11 58	2 9	18 19	0 15	10 32	1 50	25 9	12 17	7 30	7 10	27 52	17 29	3 26
S 14	11 6	1s47	1 46	6 36	0 18	18 30	4 6	17 1	1 8	20 9	0 51	11 59	2 9	18 19	0 15	10 32	1 50	25 9	12 17	7 29	7 11	27 51	17 29	3 26
S 15	10 45	7 55	2 50	5 43	0 6	18 31	3 59	17 12	1 9	20 10	0 51	12 1	2 9	18 19	0 15	10 33	1 50	25 8	12 17	7 29	7 12	27 50	17 29	3 26
M16	10 23	13 49	3 47	4 50	0n 6	18 31	3 53	17 23	1 9	20 10	0 51	12 3	2 9	18 19	0 15	10 33	1 49	25 8	12 17	7 29	7 13	27 49	17 30	3 26
T 17	10 1	19 11	4 32	3 58	0 18	18 31	3 46	17 34	1 9	20 11	0 51	12 5	2 8	18 19	0 15	10 34	1 49	25 7	12 17	7 29	7 15	27 48	17 30	3 26
W18	9 39	23 40	5 3	3 7	0 31	18 31	3 39	17 45	1 10	20 12	0 51	12 7	2 8	18 19	0 15	10 34	1 49	25 7	12 17	7 28	7 16	27 47	17 30	3 25
T 19	9 17	26 54	5 16	2 16	0 44	18 30	3 33	17 56	1 10	20 13	0 51	12 8	2 8	18 19	0 15	10 35	1 49	25 6	12 18	7 28	7 17	27 46	17 31	3 25
F 20	8 55	28 29	5 12	1 27	0 58	18 28	3 26	18 7	1 11	20 14	0 51	12 10	2 8	18 19	0 15	10 35	1 49	25 6	12 18	7 28	7 18	27 45	17 31	3 25
S 21	8 33	28 12	4 47	0 40	1 11	18 26	3 19	18 17	1 11	20 14	0 51	12 12	2 7	18 19	0 15	10 36	1 49	25 6	12 18	7 29	7 19	27 45	17 32	3 25
S 22	8 10	25 59	4 4	0n 5	1 25	18 24	3 13	18 28	1 11	20 15	0 51	12 14	2 7	18 19	0 15	10 36	1 49	25 5	12 18	7 29	7 21	27 44	17 32	3 25
M23	7 48	22 3	3 6	0 48	1 38	18 21	3 6	18 38	1 11	20 16	0 51	12 16	2 7	18 19	0 15	10 37	1 49	25 5	12 18	7 29	7 22	27 43	17 32	3 25
T 24	7 25	16 45	1 55	1 29	1 51	18 18	2 59	18 48	1 12	20 16	0 51	12 18	2 7	18 19	0 15	10 38	1 49	25 4	12 18	7 29	7 23	27 42	17 33	3 24
W25	7 2	10 33	0 37	2 6	2 4	18 15	2 53	18 59	1 12	20 17	0 51	12 20	2 6	18 19	0 15	10 38	1 49	25 4	12 18	7 29	7 24	27 41	17 33	3 24
T 26	6 39	3 54	0n42	2 40	2 17	18 11	2 46	19 9	1 12	20 18	0 51	12 22	2 6	18 19	0 16	10 39	1 49	25 3	12 18	7 29	7 26	27 40	17 34	3 24
F 27	6 16	2n47	1 57	3 11	2 29	18 6	2 40	19 19	1 13	20 18	0 51	12 24	2 6	18 19	0 16	10 39	1 49	25 3	12 19	7 29	7 27	27 39	17 34	3 24
S 28	5s53	9n11	3n 3	3n38	2n40	18s 1	2n33	19n28	1n13	20s19	0n52	12n26	2s 6	18s19	0n16	10n40	1s49	25s 2	12s19	7s29	7s28	27n38	17n35	3s24

Julian Day Number = 2107523.5, Delta T = 20m10s
Ecliptic obliquity = 23°33'50, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°36'38, Lahiri = 10°43'38 Julian Calendar 1 Feb. 1058 == Greg. Calendar 7 Feb. 1058

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1058
geocentric

MARCH 1058 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 56 52	16♓ 8'33	29♈21	3♈33	29♉43	22♉22	4♐34	8♉36	22°R46	2♉26	24♒21	10°R59	10♓59	10♋28	3♊17	S 1
M 2	11 0 49	17° 8'05	12♉13	3°59	0♒41	22°58	4°37	8°42	22♏45	2°28	24°22	10♓58	10°56	10°35	3°19	M 2
T 3	11 4 45	18° 7'35	24°45	4°17	1°40	23°34	4°40	8°48	22°45	2°29	24°24	10°58	10°52	10°41	3°21	T 3
W 4	11 8 42	19° 7'03	7♊ 1	4°27	2°39	24°11	4°42	8°54	22°44	2°31	24°25	10°57	10°49	10°48	3°23	W 4
T 5	11 12 39	20° 6'28	19° 4	4°R30	3°38	24°47	4°44	9° 0	22°43	2°33	24°27	10°D57	10°46	10°55	3°26	T 5
F 6	11 16 35	21° 5'51	0♋59	4°24	4°38	25°23	4°46	9° 6	22°43	2°35	24°28	10°57	10°43	11° 1	3°28	F 6
S 7	11 20 32	22° 5'12	12°50	4°12	5°38	26° 0	4°48	9°12	22°42	2°36	24°30	10°58	10°40	11° 8	3°30	S 7
S 8	11 24 28	23° 4'30	24°43	3°52	6°39	26°36	4°50	9°18	22°41	2°38	24°31	10°59	10°36	11°15	3°33	S 8
M 9	11 28 25	24° 3'46	6♌41	3°26	7°39	27°13	4°51	9°25	22°40	2°40	24°33	11° 0	10°33	11°21	3°35	M 9
T 10	11 32 21	25° 2'59	18°49	2°54	8°40	27°49	4°52	9°31	22°39	2°42	24°34	11° 1	10°30	11°28	3°37	T 10
W11	11 36 18	26° 2'11	1♍ 9	2°17	9°42	28°25	4°53	9°37	22°38	2°44	24°36	11° 2	10°27	11°35	3°40	W11
T 12	11 40 14	27° 1'20	13°44	1°36	10°44	29° 2	4°54	9°44	22°37	2°46	24°37	11°R 2	10°24	11°42	3°43	T 12
F 13	11 44 11	28° 0'27	26°34	0°52	11°46	29°38	4°55	9°50	22°36	2°48	24°39	11° 2	10°21	11°48	3°45	F 13
S 14	11 48 8	28°59'31	9♎41	0° 5	12°48	0♊15	4°55	9°57	22°35	2°49	24°40	11° 0	10°17	11°55	3°48	S 14
S 15	11 52 4	29°58'34	23° 4	29♓17	13°51	0°51	4°56	10° 3	22°34	2°51	24°41	10°58	10°14	12° 2	3°51	S 15
M16	11 56 1	0♈57'35	6♏41	28°28	14°54	1°28	4°R56	10°10	22°33	2°53	24°43	10°55	10°11	12° 8	3°54	M16
T 17	11 59 57	1°56'34	20°29	27°40	15°57	2° 4	4°56	10°16	22°32	2°55	24°44	10°52	10° 8	12°15	3°57	T 17
W18	12 3 54	2°55'31	4♐27	26°53	17° 0	2°41	4°55	10°23	22°30	2°57	24°46	10°50	10° 5	12°22	4° 0	W18
T 19	12 7 50	3°54'27	18°32	26° 9	18° 4	3°17	4°55	10°30	22°29	2°59	24°47	10°48	10° 2	12°28	4° 3	T 19
F 20	12 11 47	4°53'21	2♑42	25°27	19° 8	3°54	4°54	10°37	22°28	3° 1	24°48	10°D47	9°58	12°35	4° 6	F 20
S 21	12 15 43	5°52'13	16°54	24°49	20°12	4°31	4°53	10°44	22°26	3° 3	24°50	10°47	9°55	12°42	4° 9	S 21
S 22	12 19 40	6°51'03	1♒ 6	24°15	21°16	5° 7	4°52	10°51	22°25	3° 6	24°51	10°49	9°52	12°49	4°13	S 22
M23	12 23 37	7°49'51	15°17	23°45	22°21	5°44	4°51	10°58	22°23	3° 8	24°52	10°50	9°49	12°55	4°16	M23
T 24	12 27 33	8°48'38	29°24	23°21	23°26	6°20	4°50	11° 5	22°22	3°10	24°54	10°51	9°46	13° 2	4°19	T 24
W25	12 31 30	9°47'23	13♓23	23° 1	24°30	6°57	4°48	11°12	22°20	3°12	24°55	10°R52	9°42	13° 9	4°23	W25
T 26	12 35 26	10°46'06	27°13	22°47	25°36	7°34	4°47	11°19	22°19	3°14	24°56	10°51	9°39	13°15	4°26	T 26
F 27	12 39 23	11°44'46	10♈51	22°38	26°41	8°10	4°45	11°26	22°17	3°16	24°57	10°48	9°36	13°22	4°30	F 27
S 28	12 43 19	12°43'25	24°13	22°D34	27°46	8°47	4°42	11°33	22°15	3°18	24°58	10°44	9°33	13°29	4°33	S 28
S 29	12 47 16	13°42'02	7♉18	22°35	28°52	9°24	4°40	11°40	22°14	3°20	25° 0	10°39	9°30	13°35	4°37	S 29
M30	12 51 12	14°40'37	20° 6	22°41	29°58	10° 1	4°38	11°47	22°12	3°22	25° 1	10°33	9°27	13°42	4°40	M30
T 31	12 55 9	15♈39'10	2♊37	22♓52	1♓ 4	10♊37	4♐35	11♉55	22♏10	3♉25	25♒ 2	10♓27	9♓23	13♋49	4♊44	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s30	14n59	3n57	4n 1	2n50	17s55	2n27	19n38	1n13	20s19	0n52	12n28	2s 5	18s18	0n16	10n41	1s49	25s 2	12s19	7s29	7s29	27n37	17n35	3s24
M 2	5 6	19 59	4 38	4 20	3 0	17 49	2 20	19 48	1 13	20 20	0 52	12 30	2 5	18 18	0 16	10 41	1 49	25 2	12 19	7 29	7 30	27 36	17 36	3 24
T 3	4 43	23 58	5 4	4 35	3 8	17 43	2 14	19 57	1 14	20 20	0 52	12 32	2 5	18 18	0 16	10 42	1 49	25 1	12 19	7 30	7 32	27 35	17 36	3 23
W 4	4 20	26 47	5 16	4 46	3 16	17 36	2 8	20 6	1 14	20 20	0 52	12 34	2 5	18 18	0 16	10 43	1 49	25 1	12 19	7 30	7 33	27 34	17 37	3 23
T 5	3 56	28 19	5 14	4 52	3 21	17 28	2 1	20 16	1 14	20 21	0 52	12 36	2 5	18 18	0 16	10 43	1 49	25 0	12 19	7 30	7 34	27 33	17 37	3 23
F 6	3 33	28 31	4 58	4 54	3 26	17 21	1 55	20 25	1 14	20 21	0 52	12 38	2 4	18 18	0 16	10 44	1 49	25 0	12 20	7 30	7 35	27 32	17 38	3 23
S 7	3 9	27 24	4 29	4 52	3 29	17 12	1 49	20 34	1 15	20 21	0 52	12 40	2 4	18 17	0 16	10 44	1 49	25 0	12 20	7 30	7 36	27 31	17 39	3 23
S 8	2 46	25 3	3 49	4 45	3 30	17 3	1 43	20 43	1 15	20 21	0 52	12 43	2 4	18 17	0 16	10 45	1 49	24 59	12 20	7 29	7 38	27 30	17 39	3 23
M 9	2 22	21 35	2 59	4 35	3 30	16 54	1 37	20 51	1 15	20 22	0 52	12 45	2 4	18 17	0 16	10 46	1 49	24 59	12 20	7 29	7 39	27 29	17 40	3 23
T 10	1 59	17 10	2 0	4 20	3 28	16 44	1 31	21 0	1 15	20 22	0 52	12 47	2 4	18 17	0 16	10 46	1 48	24 59	12 20	7 28	7 40	27 28	17 40	3 22
W11	1 35	11 58	0 54	4 2	3 24	16 33	1 25	21 8	1 15	20 22	0 52	12 49	2 3	18 17	0 16	10 47	1 48	24 58	12 21	7 28	7 41	27 27	17 41	3 22
T 12	1 11	6 12	0s15	3 40	3 18	16 22	1 19	21 17	1 16	20 22	0 52	12 51	2 3	18 16	0 16	10 48	1 48	24 58	12 21	7 28	7 42	27 26	17 42	3 22
F 13	0 48	0 4	1 25	3 16	3 11	16 11	1 13	21 25	1 16	20 22	0 52	12 54	2 3	18 16	0 16	10 48	1 48	24 58	12 21	7 28	7 44	27 25	17 42	3 22
S 14	0 24	6s11	2 32	2 49	3 2	15 59	1 7	21 33	1 16	20 22	0 52	12 56	2 3	18 16	0 16	10 49	1 48	24 57	12 21	7 29	7 45	27 24	17 43	3 22
S 15	0 1	12 17	3 31	2 20	2 52	15 47	1 1	21 41	1 16	20 22	0 52	12 58	2 3	18 15	0 16	10 50	1 48	24 57	12 21	7 30	7 46	27 22	17 44	3 22
M16	0n23	17 54	4 20	1 50	2 40	15 34	0 56	21 48	1 16	20 22	0 53	13 0	2 3	18 15	0 16	10 51	1 48	24 57	12 22	7 31	7 47	27 21	17 44	3 22
T 17	0 47	22 42	4 55	1 19	2 27	15 21	0 50	21 56	1 16	20 22	0 53	13 3	2 2	18 15	0 16	10 51	1 48	24 56	12 22	7 32	7 49	27 20	17 45	3 22
W18	1 10	26 15	5 12	0 48	2 13	15 7	0 45	22 3	1 17	20 22	0 53	13 5	2 2	18 15	0 16	10 52	1 48	24 56	12 22	7 33	7 50	27 19	17 46	3 21
T 19	1 34	28 14	5 12	0 16	1 59	14 52	0 39	22 11	1 17	20 22	0 53	13 7	2 2	18 14	0 16	10 53	1 48	24 56	12 22	7 33	7 51	27 18	17 46	3 21
F 20	1 57	28 24	4 52	0s14	1 43	14 38	0 34	22 18	1 17	20 22	0 53	13 9	2 2	18 14	0 16	10 53	1 48	24 56	12 22	7 34	7 52	27 17	17 47	3 21
S 21	2 21	26 42	4 14	0 44	1 27	14 23	0 29	22 25	1 17	20 21	0 53	13 12	2 2	18 13	0 16	10 54	1 48	24 55	12 23	7 34	7 53	27 16	17 48	3 21
S 22	2 44	23 17	3 21	1 12	1 11	14 7	0 23	22 32	1 17	20 21	0 53	13 14	2 1	18 13	0 16	10 55	1 48	24 55	12 23	7 33	7 55	27 15	17 48	3 21
M23	3 7	18 30	2 16	1 39	0 55	13 51	0 18	22 38	1 17	20 21	0 53	13 16	2 1	18 13	0 16	10 56	1 48	24 55	12 23	7 33	7 56	27 13	17 49	3 21
T 24	3 31	12 43	1 3	2 4	0 39	13 34	0 13	22 45	1 17	20 21	0 53	13 19	2 1	18 12	0 16	10 56	1 48	24 55	12 23	7 32	7 57	27 12	17 50	3 21
W25	3 54	6 21	0n14	2 26	0 23	13 17	0 8	22 51	1 18	20 20	0 53	13 21	2 1	18 12	0 16	10 57	1 48	24 55	12 24	7 32	7 58	27 11	17 50	3 21
T 26	4 17	0n14	1 28	2 46	0 7	13 0	0 3	22 58	1 18	20 20	0 53	13 23	2 1	18 12	0 16	10 58	1 48	24 54	12 24	7 32	7 59	27 10	17 51	3 21
F 27	4 40	6 43	2 37	3 4	0s 8	12 42	0s 1	23 4	1 18	20 20	0 53	13 26	2 1	18 11	0 16	10 59	1 48	24 54	12 24	7 33	8 1	27 9	17 52	3 20
S 28	5 3	12 46	3 35	3 19	0 23	12 24	0 6	23 10	1 18	20 19	0 53	13 28	2 1	18 11	0 16	10 59	1 48	24 54	12 24	7 35	8 2	27 8	17 53	3 20
S 29	5 26	18 7	4 20	3 32	0 37	12 6	0 11	23 16	1 18	20 19	0 53	13 30	2 0	18 10	0 16	11 0	1 48	24 54	12 25	7 37	8 3	27 6	17 53	3 20
M30	5 49	22 32	4 52	3 42	0 51	11 47	0 15	23 21	1 18	20 18	0 53	13 33	2 0	18 10	0 16	11 1	1 48	24 54	12 25	7 39	8 4	27 5	17 54	3 20
T 31	6n12	25n49	5n 8	3s49	1s 4	11s27	0s20	23n27	1n18	20s18	0n53	13n35	2s 0	18s 9	0n16	11n 2	1s48	24s53	12s25	7s41	8s 5	27n 4	17n55	3s20

Julian Day Number = 2107551.5, Delta T = 20m10s
Ecliptic obliquity = 23°33'50, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°36'42, Lahiri = 10°43'42 Julian Calendar 1 March 1058 == Greg. Calendar 7 March 1058

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1058
geocentric

APRIL 1058 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 59 5	16♈37'41	14♊52	23♓ 9	2♓10	11♊14	4°R32	12♉ 2	22°R 8	3♉27	25♒ 3	10°R22	9♓20	13♋56	4♊48	W 1
T 2	13 3 2	17°36'10	26°56	23°29	3°17	11°51	4♐29	12° 9	22♏ 6	3°29	25° 4	10♓19	9°17	14° 2	4°52	T 2
F 3	13 6 59	18°34'36	8♋51	23°55	4°23	12°28	4°26	12°17	22° 4	3°31	25° 5	10°17	9°14	14° 9	4°56	F 3
S 4	13 10 55	19°33'00	20°42	24°24	5°30	13° 4	4°23	12°24	22° 2	3°33	25° 6	10°D16	9°11	14°16	4°59	S 4
S 5	13 14 52	20°31'22	2♌35	24°58	6°36	13°41	4°19	12°32	22° 0	3°36	25° 7	10°17	9° 8	14°22	5° 3	S 5
M 6	13 18 48	21°29'42	14°34	25°35	7°43	14°18	4°15	12°39	21°58	3°38	25° 9	10°18	9° 4	14°29	5° 7	M 6
T 7	13 22 45	22°28'00	26°43	26°17	8°50	14°55	4°11	12°46	21°56	3°40	25°10	10°20	9° 1	14°36	5°11	T 7
W 8	13 26 41	23°26'16	9♍ 8	27° 2	9°57	15°31	4° 7	12°54	21°54	3°42	25°11	10°R20	8°58	14°42	5°16	W 8
T 9	13 30 38	24°24'29	21°53	27°51	11° 5	16° 8	4° 3	13° 2	21°52	3°44	25°12	10°20	8°55	14°49	5°20	T 9
F 10	13 34 34	25°22'41	4♎58	28°42	12°12	16°45	3°59	13° 9	21°50	3°47	25°12	10°17	8°52	14°56	5°24	F 10
S 11	13 38 31	26°20'51	18°25	29°37	13°20	17°22	3°54	13°17	21°48	3°49	25°13	10°13	8°48	15° 3	5°28	S 11
S 12	13 42 28	27°18'59	2♏12	0♈36	14°27	17°59	3°50	13°24	21°46	3°51	25°14	10° 6	8°45	15° 9	5°32	S 12
M13	13 46 24	28°17'05	16°16	1°37	15°35	18°36	3°45	13°32	21°44	3°53	25°15	9°59	8°42	15°16	5°37	M13
T 14	13 50 21	29°15'10	0♐32	2°41	16°43	19°12	3°40	13°40	21°41	3°56	25°16	9°51	8°39	15°23	5°41	T 14
W15	13 54 17	0♑13'13	14°56	3°47	17°51	19°49	3°35	13°47	21°39	3°58	25°17	9°44	8°36	15°29	5°45	W15
T 16	13 58 14	1°11'15	29°20	4°57	18°59	20°26	3°29	13°55	21°37	4° 0	25°18	9°39	8°33	15°36	5°50	T 16
F 17	14 2 10	2° 9'16	13♒41	6° 9	20° 7	21° 3	3°24	14° 3	21°35	4° 2	25°19	9°35	8°29	15°43	5°54	F 17
S 18	14 6 7	3° 7'15	27°56	7°23	21°15	21°40	3°18	14°10	21°32	4° 5	25°19	9°D34	8°26	15°49	5°58	S 18
S 19	14 10 3	4° 5'12	12♓ 1	8°40	22°24	22°17	3°13	14°18	21°30	4° 7	25°20	9°34	8°23	15°56	6° 3	S 19
M20	14 14 0	5° 3'09	25°57	9°59	23°32	22°54	3° 7	14°26	21°28	4° 9	25°21	9°34	8°20	16° 3	6° 7	M20
T 21	14 17 57	6° 1'04	9♈42	11°21	24°41	23°31	3° 1	14°34	21°25	4°11	25°22	9°R35	8°17	16°10	6°12	T 21
W22	14 21 53	6°58'57	23°17	12°45	25°50	24° 8	2°55	14°41	21°23	4°14	25°22	9°34	8°14	16°16	6°17	W22
T 23	14 25 50	7°56'50	6♈42	14°11	26°58	24°44	2°49	14°49	21°21	4°16	25°23	9°31	8°10	16°23	6°21	T 23
F 24	14 29 46	8°54'41	19°55	15°39	28° 7	25°21	2°42	14°57	21°18	4°18	25°24	9°26	8° 7	16°30	6°26	F 24
S 25	14 33 43	9°52'30	2♉57	17°10	29°16	25°58	2°36	15° 5	21°16	4°20	25°24	9°18	8° 4	16°36	6°31	S 25
S 26	14 37 39	10°50'18	15°46	18°42	0♈25	26°35	2°29	15°12	21°13	4°23	25°25	9° 7	8° 1	16°43	6°35	S 26
M27	14 41 36	11°48'05	28°22	20°17	1°34	27°12	2°23	15°20	21°11	4°25	25°26	8°56	7°58	16°50	6°40	M27
T 28	14 45 32	12°45'50	10♊45	21°54	2°43	27°49	2°16	15°28	21° 8	4°27	25°26	8°45	7°54	16°56	6°45	T 28
W29	14 49 29	13°43'34	22°56	23°34	3°53	28°26	2° 9	15°36	21° 6	4°29	25°27	8°35	7°51	17° 3	6°50	W29
T 30	14 53 26	14♉41'16	4♋56	25♈15	5♈ 2	29♊ 3	2♐ 2	15♉44	21♏ 4	4♉32	25♒27	8♓26	7♓48	17♋10	6♊54	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	6n34	27n50	5n10	3s54	1s16	11s 8	0s24	23n32	1n18	20s17	0n53	13n37	2s 0	18s 9	0n16	11n 2	1s48	24s53	12s25	7s43	8s 7	27n 3	17n56	3s20
T 2	6 57	28 30	4 58	3 57	1 28	10 48	0 28	23 37	1 18	20 17	0 53	13 40	2 0	18 8	0 16	11 3	1 48	24 53	12 26	7 44	8 8	27 2	17 56	3 20
F 3	7 19	27 49	4 33	3 57	1 39	10 27	0 32	23 42	1 18	20 16	0 53	13 42	2 0	18 8	0 16	11 4	1 48	24 53	12 26	7 45	8 9	27 0	17 57	3 20
S 4	7 41	25 52	3 57	3 54	1 49	10 7	0 36	23 47	1 19	20 15	0 53	13 44	2 0	18 7	0 16	11 5	1 48	24 53	12 26	7 45	8 10	26 59	17 58	3 20
S 5	8 3	22 47	3 11	3 49	1 59	9 45	0 40	23 52	1 19	20 15	0 53	13 47	2 0	18 7	0 16	11 5	1 48	24 53	12 27	7 45	8 11	26 58	17 59	3 20
M 6	8 25	18 42	2 15	3 42	2 7	9 24	0 44	23 56	1 19	20 14	0 53	13 49	1 59	18 6	0 16	11 6	1 48	24 53	12 27	7 45	8 13	26 57	17 59	3 20
T 7	8 47	13 49	1 13	3 33	2 15	9 2	0 48	24 1	1 19	20 13	0 53	13 52	1 59	18 6	0 16	11 7	1 48	24 53	12 27	7 44	8 14	26 55	18 0	3 20
W 8	9 9	8 17	0 7	3 22	2 23	8 40	0 52	24 5	1 19	20 12	0 53	13 54	1 59	18 5	0 16	11 8	1 48	24 53	12 27	7 44	8 15	26 54	18 1	3 19
T 9	9 31	2 17	1s 2	3 8	2 29	8 18	0 55	24 9	1 19	20 12	0 53	13 56	1 59	18 5	0 16	11 8	1 48	24 52	12 28	7 44	8 16	26 53	18 2	3 19
F 10	9 52	3s57	2 9	2 53	2 35	7 55	0 59	24 13	1 19	20 11	0 53	13 59	1 59	18 4	0 16	11 9	1 48	24 52	12 28	7 45	8 17	26 52	18 3	3 19
S 11	10 13	10 11	3 11	2 36	2 40	7 33	1 2	24 16	1 19	20 10	0 53	14 1	1 59	18 4	0 16	11 10	1 48	24 52	12 28	7 47	8 19	26 50	18 3	3 19
S 12	10 34	16 5	4 3	2 17	2 45	7 9	1 5	24 20	1 19	20 9	0 53	14 3	1 59	18 3	0 16	11 11	1 48	24 52	12 29	7 49	8 20	26 49	18 4	3 19
M13	10 55	21 16	4 41	1 56	2 48	6 46	1 9	24 23	1 19	20 8	0 53	14 6	1 59	18 2	0 16	11 12	1 48	24 52	12 29	7 52	8 21	26 48	18 5	3 19
T 14	11 16	25 18	5 3	1 33	2 51	6 22	1 12	24 26	1 19	20 7	0 53	14 8	1 59	18 2	0 16	11 12	1 48	24 52	12 29	7 55	8 22	26 46	18 6	3 19
W15	11 36	27 46	5 5	1 9	2 54	5 58	1 15	24 29	1 19	20 6	0 53	14 11	1 58	18 1	0 16	11 13	1 48	24 52	12 30	7 58	8 23	26 45	18 7	3 19
T 16	11 57	28 23	4 49	0 42	2 56	5 34	1 18	24 32	1 19	20 5	0 53	14 13	1 58	18 1	0 16	11 14	1 48	24 52	12 30	8 0	8 25	26 44	18 7	3 19
F 17	12 17	27 4	4 14	0 15	2 57	5 10	1 20	24 35	1 19	20 4	0 53	14 15	1 58	18 0	0 16	11 15	1 48	24 52	12 30	8 1	8 26	26 42	18 8	3 19
S 18	12 37	24 1	3 24	0n14	2 57	4 45	1 23	24 37	1 19	20 3	0 53	14 18	1 58	18 0	0 16	11 15	1 48	24 52	12 31	8 2	8 27	26 41	18 9	3 19
S 19	12 57	19 33	2 22	0 45	2 57	4 21	1 26	24 39	1 19	20 2	0 53	14 20	1 58	17 59	0 16	11 16	1 48	24 52	12 31	8 2	8 28	26 40	18 10	3 19
M20	13 16	14 4	1 12	1 17	2 56	3 56	1 28	24 41	1 19	20 1	0 53	14 22	1 58	17 58	0 16	11 17	1 48	24 52	12 31	8 1	8 29	26 38	18 11	3 19
T 21	13 36	7 58	0n 1	1 50	2 55	3 31	1 31	24 43	1 19	20 0	0 53	14 25	1 58	17 58	0 15	11 18	1 48	24 52	12 32	8 1	8 31	26 37	18 11	3 19
W22	13 55	1 34	1 13	2 25	2 53	3 5	1 33	24 45	1 19	19 59	0 53	14 27	1 58	17 57	0 15	11 18	1 48	24 52	12 32	8 1	8 32	26 36	18 12	3 19
T 23	14 14	4n48	2 20	3 1	2 50	2 40	1 35	24 47	1 19	19 58	0 53	14 29	1 58	17 56	0 15	11 19	1 48	24 53	12 32	8 2	8 33	26 34	18 13	3 19
F 24	14 33	10 53	3 18	3 38	2 47	2 14	1 37	24 48	1 19	19 56	0 53	14 32	1 58	17 56	0 15	11 20	1 48	24 53	12 33	8 5	8 34	26 33	18 14	3 19
S 25	14 51	16 23	4 5	4 16	2 43	1 48	1 39	24 49	1 19	19 55	0 53	14 34	1 58	17 55	0 15	11 21	1 48	24 53	12 33	8 8	8 35	26 31	18 15	3 19
S 26	15 9	21 5	4 39	4 55	2 39	1 23	1 41	24 50	1 19	19 54	0 53	14 36	1 58	17 55	0 15	11 21	1 48	24 53	12 33	8 11	8 36	26 30	18 15	3 19
M27	15 27	24 44	4 58	5 36	2 34	0 57	1 43	24 51	1 19	19 53	0 53	14 39	1 58	17 54	0 15	11 22	1 48	24 53	12 34	8 16	8 38	26 29	18 16	3 19
T 28	15 45	27 10	5 3	6 17	2 29	0 31	1 45	24 52	1 19	19 51	0 53	14 41	1 57	17 53	0 15	11 23	1 48	24 53	12 34	8 20	8 39	26 27	18 17	3 19
W29	16 2	28 16	4 54	6 59	2 23	0 4	1 46	24 52	1 19	19 50	0 53	14 43	1 57	17 53	0 15	11 24	1 48	24 53	12 34	8 24	8 40	26 26	18 18	3 19
T 30	16n20	28n 0	4n32	7n42	2s16	0n22	1s48	24n53	1n19	19s49	0n53	14n46	1s57	17s52	0n15	11n24	1s48	24s53	12s35	8s27	8s41	26n24	18n19	3s19

Julian Day Number = 2107582.5, Delta T = 20m09s
Ecliptic obliquity = 23°33'50, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°36'46, Lahiri = 10°43'46 Julian Calendar 1 Apr. 1058 == Greg. Calendar 7 Apr. 1058

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1058
geocentric

MAY 1058 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 57 22	15♉38'57	16♋50	26♈58	6♈11	29♊40	1°R55	15♉52	21°R 1	4♉34	25♒28	8°R20	7♓45	17♋16	6♊59	F 1
S 2	15 1 19	16°36'36	28°40	28°44	7°21	0♋17	1♐48	15°59	20♏59	4°36	25°28	8♓16	7°42	17°23	7° 4	S 2
S 3	15 5 15	17°34'14	10♌31	0♉32	8°30	0°54	1°41	16° 7	20°56	4°38	25°29	8°15	7°39	17°30	7° 9	S 3
M 4	15 9 12	18°31'50	22°28	2°22	9°40	1°31	1°34	16°15	20°54	4°40	25°29	8°D15	7°35	17°37	7°14	M 4
T 5	15 13 8	19°29'24	4♍37	4°14	10°49	2° 8	1°27	16°23	20°51	4°43	25°29	8°R15	7°32	17°43	7°19	T 5
W 6	15 17 5	20°26'57	17° 3	6° 8	11°59	2°45	1°19	16°31	20°49	4°45	25°30	8°15	7°29	17°50	7°24	W 6
T 7	15 21 1	21°24'29	29°50	8° 4	13° 9	3°22	1°12	16°38	20°46	4°47	25°30	8°13	7°26	17°57	7°29	T 7
F 8	15 24 58	22°21'59	13♎ 1	10° 3	14°19	3°59	1° 5	16°46	20°44	4°49	25°30	8° 9	7°23	18° 3	7°34	F 8
S 9	15 28 55	23°19'28	26°40	12° 3	15°29	4°36	0°57	16°54	20°41	4°51	25°31	8° 2	7°19	18°10	7°39	S 9
S 10	15 32 51	24°16'55	10♏44	14° 5	16°38	5°13	0°50	17° 2	20°39	4°54	25°31	7°53	7°16	18°17	7°44	S 10
M11	15 36 48	25°14'22	25°10	16° 9	17°48	5°50	0°42	17° 9	20°36	4°56	25°31	7°43	7°13	18°23	7°49	M11
T 12	15 40 44	26°11'47	9♐51	18°15	18°59	6°27	0°34	17°17	20°34	4°58	25°31	7°32	7°10	18°30	7°54	T 12
W13	15 44 41	27° 9'12	24°41	20°22	20° 9	7° 5	0°27	17°25	20°31	5° 0	25°32	7°22	7° 7	18°37	7°59	W13
T 14	15 48 37	28° 6'36	9♑29	22°30	21°19	7°42	0°19	17°33	20°29	5° 2	25°32	7°14	7° 4	18°43	8° 4	T 14
F 15	15 52 34	29° 3'59	24°10	24°40	22°29	8°19	0°12	17°40	20°26	5° 4	25°32	7° 8	7° 0	18°50	8° 9	F 15
S 16	15 56 30	0♊ 1'21	8♒36	26°51	23°39	8°56	0° 4	17°48	20°24	5° 6	25°32	7° 5	6°57	18°57	8°14	S 16
S 17	16 0 27	0°58'43	22°46	29° 2	24°50	9°33	29♏56	17°56	20°21	5° 8	25°32	7° 3	6°54	19° 4	8°19	S 17
M18	16 4 24	1°56'04	6♓39	1♊14	26° 0	10°10	29°49	18° 4	20°19	5°10	25°32	7° 3	6°51	19°10	8°24	M18
T 19	16 8 20	2°53'24	20°14	3°26	27°11	10°47	29°41	18°11	20°17	5°12	25°32	7° 3	6°48	19°17	8°29	T 19
W20	16 12 17	3°50'44	3♈34	5°38	28°21	11°24	29°33	18°19	20°14	5°14	25°32	7° 1	6°45	19°24	8°34	W20
T 21	16 16 13	4°48'03	16°40	7°49	29°32	12° 1	29°26	18°26	20°12	5°16	25°R32	6°57	6°41	19°30	8°39	T 21
F 22	16 20 10	5°45'22	29°33	10° 0	0♉42	12°39	29°18	18°34	20° 9	5°19	25°32	6°50	6°38	19°37	8°44	F 22
S 23	16 24 6	6°42'41	12♉16	12°10	1°53	13°16	29°11	18°42	20° 7	5°21	25°32	6°41	6°35	19°44	8°50	S 23
S 24	16 28 3	7°39'59	24°47	14°19	3° 4	13°53	29° 3	18°49	20° 5	5°22	25°32	6°29	6°32	19°50	8°55	S 24
M25	16 31 59	8°37'16	7♊ 9	16°27	4°15	14°30	28°56	18°57	20° 2	5°24	25°32	6°15	6°29	19°57	9° 0	M25
T 26	16 35 56	9°34'33	19°20	18°33	5°25	15° 7	28°48	19° 4	20° 0	5°26	25°32	6° 2	6°25	20° 4	9° 5	T 26
W27	16 39 53	10°31'49	1♋23	20°37	6°36	15°44	28°41	19°12	19°58	5°28	25°32	5°49	6°22	20°10	9°10	W27
T 28	16 43 49	11°29'04	13°19	22°40	7°47	16°22	28°34	19°19	19°56	5°30	25°32	5°39	6°19	20°17	9°15	T 28
F 29	16 47 46	12°26'19	25° 9	24°40	8°58	16°59	28°26	19°27	19°53	5°32	25°32	5°30	6°16	20°24	9°20	F 29
S 30	16 51 42	13°23'33	6♌57	26°39	10° 9	17°36	28°19	19°34	19°51	5°34	25°31	5°25	6°13	20°30	9°25	S 30
S 31	16 55 39	14♊20'46	18♌47	28♊36	11♉20	18♋13	28♏12	19♉41	19♏49	5♉36	25♒31	5♓22	6♓10	20♋37	9♊31	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n37	26n26	3n58	8n26	2s 9	0n48	1s49	24n53	1n19	19s47	0n53	14n48	1s57	17s51	0n15	11n25	1s48	24s53	12s35	8s29	8s42	26n23	18n19	3s19
S 2	16 53	23 42	3 14	9 11	2 2	1 14	1 50	24 53	1 19	19 46	0 53	14 50	1 57	17 51	0 15	11 26	1 48	24 54	12 35	8 31	8 44	26 21	18 20	3 19
S 3	17 10	19 58	2 22	9 56	1 54	1 41	1 52	24 53	1 19	19 45	0 53	14 53	1 57	17 50	0 15	11 27	1 48	24 54	12 36	8 31	8 45	26 20	18 21	3 19
M 4	17 26	15 24	1 23	10 42	1 46	2 7	1 53	24 52	1 19	19 43	0 53	14 55	1 57	17 49	0 15	11 27	1 48	24 54	12 36	8 31	8 46	26 18	18 22	3 19
T 5	17 42	10 10	0 19	11 29	1 37	2 34	1 54	24 52	1 19	19 42	0 53	14 57	1 57	17 49	0 15	11 28	1 48	24 54	12 36	8 31	8 47	26 17	18 22	3 19
W 6	17 57	4 26	0s47	12 15	1 28	3 0	1 55	24 51	1 19	19 41	0 53	14 59	1 57	17 48	0 15	11 29	1 48	24 54	12 37	8 31	8 48	26 16	18 23	3 19
T 7	18 12	1s38	1 52	13 2	1 18	3 27	1 55	24 50	1 19	19 39	0 52	15 2	1 57	17 48	0 15	11 29	1 48	24 55	12 37	8 32	8 50	26 14	18 24	3 19
F 8	18 27	7 50	2 53	13 49	1 8	3 53	1 56	24 49	1 19	19 38	0 52	15 4	1 57	17 47	0 15	11 30	1 48	24 55	12 37	8 33	8 51	26 13	18 25	3 19
S 9	18 42	13 51	3 47	14 36	0 58	4 20	1 57	24 48	1 19	19 36	0 52	15 6	1 57	17 46	0 15	11 31	1 48	24 55	12 38	8 36	8 52	26 11	18 26	3 19
S 10	18 56	19 22	4 28	15 23	0 48	4 46	1 57	24 46	1 19	19 35	0 52	15 8	1 57	17 46	0 15	11 32	1 48	24 55	12 38	8 39	8 53	26 10	18 26	3 19
M11	19 10	23 54	4 54	16 9	0 37	5 13	1 58	24 45	1 19	19 33	0 52	15 10	1 57	17 45	0 15	11 32	1 48	24 55	12 38	8 43	8 54	26 8	18 27	3 19
T 12	19 24	27 0	5 1	16 55	0 27	5 39	1 58	24 43	1 18	19 32	0 52	15 13	1 57	17 44	0 15	11 33	1 48	24 56	12 39	8 47	8 55	26 7	18 28	3 19
W13	19 37	28 15	4 47	17 40	0 16	6 5	1 58	24 41	1 18	19 30	0 52	15 15	1 57	17 44	0 15	11 34	1 48	24 56	12 39	8 51	8 57	26 5	18 29	3 19
T 14	19 51	27 28	4 15	18 24	0 5	6 31	1 59	24 39	1 18	19 29	0 52	15 17	1 57	17 43	0 15	11 34	1 48	24 56	12 39	8 54	8 58	26 3	18 29	3 19
F 15	20 3	24 46	3 26	19 7	0n 5	6 58	1 59	24 36	1 18	19 27	0 52	15 19	1 57	17 42	0 15	11 35	1 48	24 56	12 40	8 56	8 59	26 2	18 30	3 19
S 16	20 16	20 31	2 24	19 49	0 16	7 24	1 59	24 34	1 18	19 26	0 52	15 21	1 57	17 42	0 15	11 36	1 48	24 57	12 40	8 57	9 0	26 0	18 31	3 19
S 17	20 28	15 10	1 15	20 28	0 26	7 50	1 59	24 31	1 18	19 24	0 51	15 24	1 57	17 41	0 15	11 36	1 48	24 57	12 41	8 58	9 1	25 59	18 32	3 19
M18	20 39	9 9	0 2	21 6	0 36	8 15	1 58	24 28	1 18	19 23	0 51	15 26	1 57	17 40	0 15	11 37	1 48	24 57	12 41	8 58	9 3	25 57	18 32	3 19
T 19	20 51	2 50	1n 9	21 42	0 46	8 41	1 58	24 25	1 18	19 21	0 51	15 28	1 57	17 40	0 15	11 38	1 48	24 58	12 41	8 58	9 4	25 56	18 33	3 19
W20	21 2	3n29	2 15	22 16	0 55	9 7	1 58	24 22	1 18	19 20	0 51	15 30	1 57	17 39	0 15	11 38	1 48	24 58	12 42	8 59	9 5	25 54	18 34	3 20
T 21	21 12	9 33	3 13	22 47	1 4	9 32	1 57	24 18	1 18	19 18	0 51	15 32	1 57	17 38	0 15	11 39	1 48	24 58	12 42	9 0	9 6	25 53	18 34	3 20
F 22	21 23	15 6	3 59	23 16	1 13	9 57	1 57	24 15	1 18	19 17	0 51	15 34	1 57	17 38	0 15	11 40	1 48	24 59	12 42	9 3	9 7	25 51	18 35	3 20
S 23	21 33	19 56	4 33	23 42	1 20	10 22	1 56	24 11	1 18	19 15	0 51	15 36	1 57	17 37	0 15	11 40	1 48	24 59	12 43	9 6	9 8	25 49	18 36	3 20
S 24	21 42	23 48	4 54	24 5	1 27	10 47	1 55	24 7	1 18	19 14	0 50	15 38	1 57	17 37	0 15	11 41	1 48	24 59	12 43	9 11	9 10	25 48	18 36	3 20
M25	21 51	26 32	5 0	24 26	1 34	11 12	1 55	24 3	1 17	19 12	0 50	15 40	1 57	17 36	0 15	11 42	1 48	25 0	12 43	9 16	9 11	25 46	18 37	3 20
T 26	22 0	27 59	4 52	24 43	1 40	11 36	1 54	23 59	1 17	19 11	0 50	15 42	1 57	17 35	0 15	11 42	1 48	25 0	12 44	9 21	9 12	25 45	18 38	3 20
W27	22 9	28 4	4 31	24 58	1 45	12 1	1 53	23 54	1 17	19 9	0 50	15 44	1 57	17 35	0 15	11 43	1 48	25 0	12 44	9 25	9 13	25 43	18 39	3 20
T 28	22 17	26 51	3 58	25 11	1 49	12 25	1 52	23 50	1 17	19 8	0 50	15 46	1 57	17 34	0 15	11 43	1 48	25 1	12 44	9 29	9 14	25 41	18 39	3 20
F 29	22 24	24 25	3 16	25 20	1 53	12 49	1 51	23 45	1 17	19 6	0 50	15 48	1 57	17 34	0 15	11 44	1 48	25 1	12 45	9 32	9 16	25 40	18 40	3 20
S 30	22 32	20 57	2 24	25 27	1 56	13 12	1 50	23 40	1 17	19 5	0 50	15 50	1 57	17 33	0 15	11 45	1 48	25 2	12 45	9 34	9 17	25 38	18 41	3 20
S 31	22n38	16n39	1n27	25n31	1n58	13n35	1s49	23n35	1n17	19s 4	0n49	15n52	1s57	17s32	0n15	11n45	1s48	25s 2	12s45	9s35	9s18	25n36	18n41	3s21

Julian Day Number = 2107612.5, Delta T = 20m09s
Ecliptic obliquity = 23°33'49, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°36'50, Lahiri = 10°43'50 Julian Calendar 1 May 1058 == Greg. Calendar 7 May 1058

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1058
geocentric

JUNE 1058 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 59 35	15♊17'59	0♍43	0♋30	12♉31	18♋51	28°R 5	19♉49	19°R47	5♉38	25°R31	5°D21	6♓ 6	20♋44	9♊36	M 1
T 2	17 3 32	16°15'11	12°50	2°22	13°42	19°28	27♏58	19°56	19♏45	5°40	25♒31	5°R21	6° 3	20°51	9°41	T 2
W 3	17 7 29	17°12'22	25°13	4°12	14°53	20° 5	27°51	20° 3	19°43	5°41	25°30	5♓21	6° 0	20°57	9°46	W 3
T 4	17 11 25	18° 9'33	7♎59	6° 0	16° 5	20°42	27°44	20°11	19°40	5°43	25°30	5°20	5°57	21° 4	9°51	T 4
F 5	17 15 22	19° 6'43	21°10	7°46	17°16	21°20	27°38	20°18	19°38	5°45	25°30	5°17	5°54	21°11	9°56	F 5
S 6	17 19 18	20° 3'53	4♏50	9°29	18°27	21°57	27°31	20°25	19°36	5°47	25°29	5°11	5°51	21°17	10° 1	S 6
S 7	17 23 15	21° 1'02	18°59	11°10	19°39	22°34	27°25	20°32	19°34	5°48	25°29	5° 3	5°47	21°24	10° 6	S 7
M 8	17 27 11	21°58'11	3♐35	12°49	20°50	23°12	27°18	20°39	19°32	5°50	25°29	4°53	5°44	21°31	10°11	M 8
T 9	17 31 8	22°55'20	18°30	14°26	22° 1	23°49	27°12	20°46	19°30	5°52	25°28	4°43	5°41	21°37	10°16	T 9
W10	17 35 4	23°52'28	3♑38	16° 0	23°13	24°26	27° 6	20°53	19°28	5°53	25°28	4°33	5°38	21°44	10°21	W10
T 11	17 39 1	24°49'37	18°46	17°32	24°24	25° 3	27° 0	21° 0	19°27	5°55	25°27	4°25	5°35	21°51	10°27	T 11
F 12	17 42 58	25°46'45	3♒46	19° 2	25°36	25°41	26°54	21° 7	19°25	5°57	25°27	4°20	5°31	21°57	10°32	F 12
S 13	17 46 54	26°43'54	18°29	20°29	26°47	26°18	26°48	21°14	19°23	5°58	25°26	4°17	5°28	22° 4	10°37	S 13
S 14	17 50 51	27°41'03	2♓52	21°54	27°59	26°56	26°42	21°21	19°21	6° 0	25°26	4°D16	5°25	22°11	10°42	S 14
M15	17 54 47	28°38'12	16°51	23°17	29°11	27°33	26°37	21°28	19°19	6° 1	25°25	4°16	5°22	22°17	10°47	M15
T 16	17 58 44	29°35'21	0♈27	24°37	0♊23	28°10	26°31	21°34	19°18	6° 3	25°24	4°R17	5°19	22°24	10°52	T 16
W17	18 2 40	0♋32'31	13°42	25°55	1°34	28°48	26°26	21°41	19°16	6° 4	25°24	4°16	5°16	22°31	10°56	W17
T 18	18 6 37	1°29'41	26°39	27°10	2°46	29°25	26°21	21°48	19°14	6° 6	25°23	4°13	5°12	22°37	11° 1	T 18
F 19	18 10 33	2°26'52	9♉20	28°23	3°58	0♌ 3	26°16	21°54	19°13	6° 7	25°22	4° 8	5° 9	22°44	11° 6	F 19
S 20	18 14 30	3°24'03	21°48	29°33	5°10	0°40	26°11	22° 1	19°11	6° 9	25°22	4° 1	5° 6	22°51	11°11	S 20
S 21	18 18 27	4°21'15	4♊ 6	0♌40	6°22	1°18	26° 7	22° 7	19°10	6°10	25°21	3°51	5° 3	22°57	11°16	S 21
M22	18 22 23	5°18'27	16°14	1°45	7°34	1°55	26° 2	22°14	19° 8	6°11	25°20	3°41	5° 0	23° 4	11°21	M22
T 23	18 26 20	6°15'39	28°16	2°46	8°46	2°33	25°58	22°20	19° 7	6°13	25°20	3°30	4°57	23°11	11°26	T 23
W24	18 30 16	7°12'52	10♋11	3°45	9°58	3°10	25°54	22°27	19° 5	6°14	25°19	3°20	4°53	23°18	11°31	W24
T 25	18 34 13	8°10'05	22° 2	4°41	11°10	3°48	25°50	22°33	19° 4	6°15	25°18	3°11	4°50	23°24	11°35	T 25
F 26	18 38 9	9° 7'18	3♌50	5°33	12°22	4°25	25°46	22°39	19° 3	6°17	25°17	3° 5	4°47	23°31	11°40	F 26
S 27	18 42 6	10° 4'32	15°38	6°22	13°34	5° 3	25°42	22°45	19° 2	6°18	25°17	3° 1	4°44	23°38	11°45	S 27
S 28	18 46 3	11° 1'46	27°29	7° 8	14°47	5°40	25°38	22°51	19° 0	6°19	25°16	2°D59	4°41	23°44	11°50	S 28
M29	18 49 59	11°59'00	9♍26	7°50	15°59	6°18	25°35	22°57	18°59	6°20	25°15	2°59	4°37	23°51	11°54	M29
T 30	18 53 56	12♋56'14	21♍34	8♌28	17♊11	6♌55	25♏32	23♉ 3	18♏58	6♉21	25♒14	3♓ 0	4♓34	23♋58	11♊59	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n45	11n40	0n25	25n33	1n59	13n58	1s47	23n30	1n17	19s 2	0n49	15n54	1s57	17s32	0n15	11n46	1s48	25s 2	12s46	9s36	9s19	25n35	18n42	3s21
T 2	22 51	6 10	0s40	25 33	2 0	14 21	1 46	23 24	1 16	19 1	0 49	15 56	1 57	17 31	0 15	11 46	1 48	25 3	12 46	9 36	9 20	25 33	18 42	3 21
W 3	22 57	0 20	1 43	25 30	2 0	14 43	1 45	23 19	1 16	18 59	0 49	15 58	1 57	17 31	0 15	11 47	1 49	25 3	12 46	9 36	9 21	25 31	18 43	3 21
T 4	23 2	5s41	2 44	25 25	1 59	15 5	1 43	23 13	1 16	18 58	0 49	16 0	1 57	17 30	0 15	11 47	1 49	25 4	12 47	9 36	9 23	25 30	18 44	3 21
F 5	23 7	11 39	3 38	25 18	1 58	15 27	1 42	23 7	1 16	18 57	0 49	16 2	1 57	17 30	0 15	11 48	1 49	25 4	12 47	9 38	9 24	25 28	18 44	3 21
S 6	23 11	17 17	4 21	25 9	1 56	15 48	1 40	23 1	1 16	18 55	0 48	16 4	1 57	17 29	0 15	11 48	1 49	25 4	12 47	9 40	9 25	25 26	18 45	3 21
S 7	23 15	22 12	4 50	24 58	1 53	16 9	1 38	22 55	1 16	18 54	0 48	16 5	1 57	17 29	0 15	11 49	1 49	25 5	12 48	9 43	9 26	25 25	18 46	3 21
M 8	23 19	25 55	5 2	24 46	1 50	16 30	1 37	22 48	1 16	18 53	0 48	16 7	1 57	17 28	0 15	11 50	1 49	25 5	12 48	9 46	9 27	25 23	18 46	3 22
T 9	23 22	27 56	4 53	24 32	1 46	16 50	1 35	22 42	1 16	18 52	0 48	16 9	1 58	17 28	0 15	11 50	1 49	25 6	12 48	9 50	9 28	25 21	18 47	3 22
W10	23 25	27 55	4 24	24 17	1 42	17 10	1 33	22 35	1 15	18 50	0 48	16 11	1 58	17 27	0 15	11 51	1 49	25 6	12 49	9 53	9 30	25 19	18 47	3 22
T 11	23 28	25 49	3 37	24 0	1 36	17 30	1 31	22 28	1 15	18 49	0 47	16 13	1 58	17 27	0 15	11 51	1 49	25 7	12 49	9 56	9 31	25 18	18 48	3 22
F 12	23 30	21 55	2 35	23 42	1 31	17 49	1 29	22 21	1 15	18 48	0 47	16 14	1 58	17 26	0 15	11 52	1 49	25 7	12 49	9 58	9 32	25 16	18 48	3 22
S 13	23 31	16 41	1 23	23 23	1 24	18 8	1 27	22 14	1 15	18 47	0 47	16 16	1 58	17 26	0 15	11 52	1 49	25 8	12 50	9 59	9 33	25 14	18 49	3 22
S 14	23 33	10 37	0 8	23 3	1 17	18 26	1 25	22 6	1 15	18 46	0 47	16 18	1 58	17 25	0 15	11 53	1 49	25 8	12 50	10 0	9 34	25 13	18 49	3 22
M15	23 33	4 12	1n 6	22 42	1 10	18 44	1 23	21 59	1 15	18 45	0 47	16 19	1 58	17 25	0 15	11 53	1 49	25 9	12 50	10 0	9 36	25 11	18 50	3 23
T 16	23 34	2n14	2 15	22 20	1 2	19 1	1 21	21 51	1 15	18 44	0 46	16 21	1 58	17 24	0 15	11 53	1 49	25 9	12 51	9 59	9 37	25 9	18 51	3 23
W17	23 34	8 24	3 14	21 57	0 54	19 18	1 19	21 43	1 14	18 43	0 46	16 23	1 58	17 24	0 15	11 54	1 49	25 10	12 51	10 0	9 38	25 7	18 51	3 23
T 18	23 33	14 4	4 2	21 34	0 45	19 34	1 17	21 35	1 14	18 42	0 46	16 24	1 58	17 23	0 15	11 54	1 49	25 10	12 51	10 1	9 39	25 5	18 52	3 23
F 19	23 32	19 2	4 36	21 10	0 35	19 50	1 14	21 27	1 14	18 41	0 46	16 26	1 58	17 23	0 15	11 55	1 49	25 11	12 51	10 3	9 40	25 4	18 52	3 23
S 20	23 31	23 5	4 57	20 46	0 26	20 5	1 12	21 19	1 14	18 40	0 46	16 28	1 58	17 23	0 15	11 55	1 49	25 11	12 52	10 5	9 41	25 2	18 53	3 24
S 21	23 29	26 3	5 4	20 22	0 15	20 20	1 10	21 10	1 14	18 39	0 45	16 29	1 58	17 22	0 15	11 56	1 49	25 12	12 52	10 9	9 43	25 0	18 53	3 24
M22	23 27	27 46	4 57	19 57	0 5	20 35	1 7	21 2	1 14	18 38	0 45	16 31	1 58	17 22	0 15	11 56	1 49	25 12	12 52	10 13	9 44	24 58	18 53	3 24
T 23	23 25	28 10	4 37	19 32	0s 6	20 48	1 5	20 53	1 13	18 37	0 45	16 32	1 59	17 21	0 15	11 56	1 49	25 13	12 53	10 17	9 45	24 57	18 54	3 24
W24	23 22	27 14	4 4	19 7	0 18	21 2	1 3	20 44	1 13	18 36	0 45	16 34	1 59	17 21	0 15	11 57	1 49	25 13	12 53	10 20	9 46	24 55	18 54	3 24
T 25	23 19	25 4	3 21	18 43	0 30	21 14	1 0	20 35	1 13	18 36	0 44	16 35	1 59	17 21	0 15	11 57	1 50	25 14	12 53	10 23	9 47	24 53	18 55	3 24
F 26	23 15	21 49	2 30	18 18	0 42	21 27	0 58	20 26	1 13	18 35	0 44	16 37	1 59	17 20	0 15	11 57	1 50	25 14	12 53	10 26	9 48	24 51	18 55	3 25
S 27	23 11	17 42	1 32	17 54	0 54	21 38	0 55	20 17	1 13	18 34	0 44	16 38	1 59	17 20	0 15	11 58	1 50	25 15	12 54	10 27	9 50	24 49	18 56	3 25
S 28	23 6	12 52	0 30	17 30	1 7	21 49	0 53	20 7	1 12	18 34	0 44	16 40	1 59	17 20	0 15	11 58	1 50	25 15	12 54	10 28	9 51	24 47	18 56	3 25
M29	23 1	7 32	0s35	17 7	1 20	21 59	0 50	19 58	1 12	18 33	0 44	16 41	1 59	17 19	0 15	11 59	1 50	25 16	12 54	10 28	9 52	24 46	18 56	3 25
T 30	22n56	1n51	1s39	16n44	1s33	22n 9	0s48	19n48	1n12	18s33	0n43	16n43	1s59	17s19	0n15	11n59	1s50	25s17	12s55	10s27	9s53	24n44	18n57	3s26

Julian Day Number = 2107643.5, Delta T = 20m09s
Ecliptic obliquity = 23°33'49, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°36'54, Lahiri = 10°43'55 Julian Calendar 1 June 1058 == Greg. Calendar 7 June 1058

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1058
geocentric

JULY 1058 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 57 52	13♋53'29	3♎57	9♌ 3	18♊24	7♌33	25°R29	23♉ 9	18°R57	6♉22	25°R13	3♓ 2	4♓31	24♋ 4	12♊ 3	W 1
T 2	19 1 49	14°50'44	16°40	9°33	19°36	8°11	25♏26	23°15	18♏56	6°23	25♒12	3°R 2	4°28	24°11	12° 8	T 2
F 3	19 5 45	15°48'00	29°47	9°59	20°48	8°48	25°23	23°21	18°55	6°25	25°11	3° 1	4°25	24°18	12°13	F 3
S 4	19 9 42	16°45'15	13♏22	10°21	22° 1	9°26	25°21	23°27	18°54	6°26	25°10	2°58	4°22	24°24	12°17	S 4
S 5	19 13 38	17°42'32	27°26	10°38	23°13	10° 4	25°19	23°32	18°53	6°27	25° 9	2°54	4°18	24°31	12°22	S 5
M 6	19 17 35	18°39'48	11♐58	10°50	24°26	10°41	25°16	23°38	18°52	6°27	25° 8	2°48	4°15	24°38	12°26	M 6
T 7	19 21 32	19°37'06	26°53	10°58	25°38	11°19	25°15	23°43	18°51	6°28	25° 8	2°42	4°12	24°44	12°31	T 7
W 8	19 25 28	20°34'24	12♑ 3	11°R 0	26°51	11°57	25°13	23°49	18°51	6°29	25° 7	2°36	4° 9	24°51	12°35	W 8
T 9	19 29 25	21°31'43	27°19	10°58	28° 4	12°35	25°11	23°54	18°50	6°30	25° 6	2°31	4° 6	24°58	12°39	T 9
F 10	19 33 21	22°29'02	12♒31	10°50	29°17	13°12	25°10	24° 0	18°49	6°31	25° 4	2°27	4° 3	25° 4	12°44	F 10
S 11	19 37 18	23°26'22	27°27	10°38	0♋29	13°50	25° 9	24° 5	18°49	6°32	25° 3	2°D26	3°59	25°11	12°48	S 11
S 12	19 41 14	24°23'44	12♓ 3	10°20	1°42	14°28	25° 8	24°10	18°48	6°33	25° 2	2°26	3°56	25°18	12°52	S 12
M13	19 45 11	25°21'06	26°13	9°57	2°55	15° 6	25° 7	24°15	18°48	6°33	25° 1	2°27	3°53	25°24	12°56	M13
T 14	19 49 7	26°18'30	9♈58	9°29	4° 8	15°43	25° 6	24°20	18°47	6°34	25° 0	2°29	3°50	25°31	13° 1	T 14
W15	19 53 4	27°15'55	23°16	8°57	5°21	16°21	25° 5	24°25	18°47	6°35	24°59	2°R30	3°47	25°38	13° 5	W15
T 16	19 57 1	28°13'22	6♉13	8°21	6°34	16°59	25° 5	24°30	18°46	6°35	24°58	2°30	3°43	25°44	13° 9	T 16
F 17	20 0 57	29°10'49	18°50	7°41	7°47	17°37	25°D 5	24°35	18°46	6°36	24°57	2°28	3°40	25°51	13°13	F 17
S 18	20 4 54	0♌ 8'19	1♊11	6°58	9° 0	18°15	25° 5	24°39	18°46	6°37	24°56	2°25	3°37	25°58	13°17	S 18
S 19	20 8 50	1° 5'49	13°20	6°12	10°13	18°53	25° 5	24°44	18°46	6°37	24°55	2°20	3°34	26° 4	13°21	S 19
M20	20 12 47	2° 3'21	25°21	5°25	11°26	19°31	25° 6	24°49	18°45	6°38	24°54	2°15	3°31	26°11	13°25	M20
T 21	20 16 43	3° 0'54	7♋15	4°37	12°39	20° 9	25° 6	24°53	18°45	6°38	24°52	2°10	3°28	26°18	13°29	T 21
W22	20 20 40	3°58'28	19° 5	3°49	13°52	20°47	25° 7	24°57	18°45	6°39	24°51	2° 5	3°24	26°25	13°32	W22
T 23	20 24 36	4°56'04	0♌54	3° 1	15° 6	21°25	25° 8	25° 2	18°D45	6°39	24°50	2° 1	3°21	26°31	13°36	T 23
F 24	20 28 33	5°53'41	12°43	2°15	16°19	22° 3	25° 9	25° 6	18°45	6°40	24°49	1°59	3°18	26°38	13°40	F 24
S 25	20 32 30	6°51'19	24°35	1°33	17°32	22°41	25°11	25°10	18°45	6°40	24°48	1°57	3°15	26°45	13°44	S 25
S 26	20 36 26	7°48'58	6♍32	0°53	18°46	23°19	25°12	25°14	18°45	6°40	24°46	1°D57	3°12	26°51	13°47	S 26
M27	20 40 23	8°46'39	18°36	0°18	19°59	23°57	25°14	25°18	18°46	6°40	24°45	1°58	3° 9	26°58	13°51	M27
T 28	20 44 19	9°44'20	0♎50	29♋49	21°13	24°35	25°16	25°22	18°46	6°41	24°44	2° 0	3° 5	27° 5	13°54	T 28
W29	20 48 16	10°42'03	13°18	29°25	22°26	25°13	25°18	25°26	18°46	6°41	24°43	2° 1	3° 2	27°11	13°58	W29
T 30	20 52 12	11°39'47	26° 3	29° 7	23°40	25°51	25°20	25°29	18°47	6°41	24°42	2° 2	2°59	27°18	14° 1	T 30
F 31	20 56 9	12♌37'32	9♏ 9	28♋57	24♋53	26♌30	25♏23	25♉33	18♏47	6♉41	24♒40	2°R 3	2♓56	27♋25	14♊ 4	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	22n50	4s 1	2s39	16n22	1s47	22n18	0s45	19n38	1n12	18s32	0n43	16n44	1s59	17s19	0n15	11n59	1s50	25s17	12s55	10s27	9s54	24n42	18n57	3s26	W 1
T 2	22 44	9 52	3 34	16 1	2 0	22 27	0 42	19 28	1 12	18 32	0 43	16 45	1 59	17 19	0 14	11 59	1 50	25 18	12 55	10 27	9 55	24 40	18 58	3 26	T 2
F 3	22 37	15 29	4 19	15 41	2 14	22 35	0 40	19 18	1 11	18 31	0 43	16 47	2 0	17 18	0 14	12 0	1 50	25 18	12 55	10 27	9 57	24 38	18 58	3 26	F 3
S 4	22 30	20 33	4 51	15 22	2 28	22 42	0 37	19 8	1 11	18 31	0 42	16 48	2 0	17 18	0 14	12 0	1 50	25 19	12 56	10 28	9 58	24 36	18 58	3 26	S 4
S 5	22 23	24 40	5 8	15 5	2 41	22 49	0 34	18 57	1 11	18 30	0 42	16 49	2 0	17 18	0 14	12 0	1 50	25 19	12 56	10 30	9 59	24 34	18 59	3 27	S 5
M 6	22 15	27 23	5 5	14 48	2 55	22 55	0 32	18 47	1 11	18 30	0 42	16 51	2 0	17 18	0 14	12 1	1 50	25 20	12 56	10 32	10 0	24 32	18 59	3 27	M 6
T 7	22 7	28 14	4 42	14 33	3 8	23 0	0 29	18 36	1 11	18 30	0 42	16 52	2 0	17 17	0 14	12 1	1 50	25 20	12 56	10 34	10 1	24 31	18 59	3 27	T 7
W 8	21 59	26 59	3 59	14 20	3 21	23 5	0 26	18 25	1 10	18 30	0 41	16 53	2 0	17 17	0 14	12 1	1 50	25 21	12 56	10 36	10 2	24 29	19 0	3 27	W 8
T 9	21 50	23 44	2 59	14 9	3 33	23 9	0 24	18 15	1 10	18 30	0 41	16 54	2 0	17 17	0 14	12 1	1 50	25 22	12 57	10 38	10 3	24 27	19 0	3 28	T 9
F 10	21 41	18 50	1 46	13 59	3 46	23 13	0 21	18 4	1 10	18 29	0 41	16 55	2 0	17 17	0 14	12 1	1 50	25 22	12 57	10 39	10 5	24 25	19 0	3 28	F 10
S 11	21 31	12 50	0 27	13 52	3 57	23 15	0 18	17 52	1 10	18 29	0 41	16 57	2 0	17 17	0 14	12 2	1 50	25 23	12 57	10 40	10 6	24 23	19 1	3 28	S 11
S 12	21 21	6 16	0n52	13 46	4 8	23 18	0 16	17 41	1 10	18 29	0 41	16 58	2 1	17 17	0 14	12 2	1 51	25 23	12 57	10 40	10 7	24 21	19 1	3 28	S 12
M13	21 11	0n25	2 6	13 43	4 18	23 19	0 13	17 30	1 9	18 29	0 40	16 59	2 1	17 16	0 14	12 2	1 51	25 24	12 58	10 39	10 8	24 19	19 1	3 29	M13
T 14	21 0	6 53	3 10	13 41	4 26	23 20	0 10	17 18	1 9	18 29	0 40	17 0	2 1	17 16	0 14	12 2	1 51	25 24	12 58	10 39	10 9	24 17	19 1	3 29	T 14
W15	20 49	12 50	4 2	13 42	4 34	23 20	0 8	17 7	1 9	18 30	0 40	17 1	2 1	17 16	0 14	12 2	1 51	25 25	12 58	10 38	10 10	24 15	19 2	3 29	W15
T 16	20 37	18 3	4 40	13 46	4 40	23 19	0 5	16 55	1 9	18 30	0 40	17 2	2 1	17 16	0 14	12 3	1 51	25 26	12 58	10 38	10 12	24 13	19 2	3 30	T 16
F 17	20 26	22 22	5 3	13 51	4 45	23 18	0 2	16 43	1 8	18 30	0 39	17 3	2 1	17 16	0 14	12 3	1 51	25 26	12 58	10 39	10 13	24 11	19 2	3 30	F 17
S 18	20 14	25 35	5 12	13 59	4 48	23 16	0n 0	16 31	1 8	18 30	0 39	17 4	2 1	17 16	0 14	12 3	1 51	25 27	12 58	10 40	10 14	24 9	19 2	3 30	S 18
S 19	20 1	27 35	5 6	14 9	4 49	23 13	0 3	16 19	1 8	18 30	0 39	17 5	2 2	17 16	0 14	12 3	1 51	25 27	12 59	10 42	10 15	24 7	19 2	3 30	S 19
M20	19 48	28 16	4 47	14 20	4 49	23 10	0 6	16 7	1 8	18 31	0 39	17 6	2 2	17 16	0 14	12 3	1 51	25 28	12 59	10 43	10 16	24 5	19 3	3 31	M20
T 21	19 35	27 37	4 16	14 34	4 47	23 6	0 8	15 55	1 8	18 31	0 38	17 7	2 2	17 16	0 14	12 3	1 51	25 28	12 59	10 45	10 17	24 3	19 3	3 31	T 21
W22	19 22	25 43	3 34	14 49	4 43	23 1	0 11	15 42	1 7	18 32	0 38	17 8	2 2	17 16	0 14	12 3	1 51	25 29	12 59	10 47	10 19	24 1	19 3	3 31	W22
T 23	19 8	22 42	2 42	15 5	4 37	22 55	0 13	15 30	1 7	18 32	0 38	17 9	2 2	17 16	0 14	12 3	1 51	25 29	12 59	10 49	10 20	23 59	19 3	3 32	T 23
F 24	18 54	18 44	1 44	15 23	4 29	22 49	0 16	15 17	1 7	18 33	0 38	17 10	2 2	17 16	0 14	12 3	1 51	25 30	12 59	10 49	10 21	23 57	19 3	3 32	F 24
S 25	18 39	14 2	0 40	15 41	4 20	22 43	0 18	15 4	1 7	18 33	0 38	17 11	2 2	17 16	0 14	12 4	1 51	25 31	13 0	10 50	10 22	23 55	19 3	3 32	S 25
S 26	18 25	8 46	0s25	16 1	4 9	22 35	0 21	14 52	1 6	18 34	0 37	17 11	2 3	17 16	0 14	12 4	1 51	25 31	13 0	10 50	10 23	23 53	19 3	3 32	S 26
M27	18 10	3 9	1 30	16 20	3 57	22 27	0 23	14 39	1 6	18 34	0 37	17 12	2 3	17 16	0 14	12 4	1 51	25 32	13 0	10 50	10 24	23 51	19 4	3 33	M27
T 28	17 54	2s40	2 33	16 40	3 43	22 18	0 26	14 26	1 6	18 35	0 37	17 13	2 3	17 16	0 14	12 4	1 51	25 32	13 0	10 49	10 25	23 49	19 4	3 33	T 28
W29	17 39	8 29	3 29	16 59	3 28	22 9	0 28	14 13	1 6	18 36	0 37	17 14	2 3	17 16	0 14	12 4	1 52	25 33	13 0	10 49	10 27	23 47	19 4	3 33	W29
T 30	17 23	14 5	4 16	17 18	3 12	21 59	0 31	13 59	1 5	18 36	0 36	17 14	2 3	17 17	0 14	12 4	1 52	25 33	13 0	10 48	10 28	23 45	19 4	3 34	T 30
F 31	17n 6	19s13	4s51	17n36	2s56	21n48	0n33	13n46	1n 5	18s37	0n36	17n15	2s 3	17s17	0n14	12n 4	1s52	25s34	13s 0	10s48	10s29	23n43	19n 4	3s34	F 31

Julian Day Number = 2107673.5, Delta T = 20m08s
Ecliptic obliquity = 23°33'49, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°36'58, Lahiri = 10°43'59 Julian Calendar 1 July 1058 == Greg. Calendar 7 July 1058

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1058
geocentric

AUGUST 1058 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 0 5	13♌35'18	22♏38	28°D54	26♋ 7	27♌ 8	25♏25	25♉36	18♏47	6♉41	24°R39	2°R 3	2♓53	27♋31	14♊ 8	S 1
S 2	21 4 2	14°33'05	6♐32	28♋58	27°21	27°46	25°28	25°40	18°48	6°42	24♒38	2♓ 2	2°49	27°38	14°11	S 2
M 3	21 7 59	15°30'54	20°51	29°10	28°34	28°24	25°31	25°43	18°49	6°42	24°37	2° 0	2°46	27°45	14°14	M 3
T 4	21 11 55	16°28'44	5♑33	29°30	29°48	29° 2	25°34	25°46	18°49	6°R42	24°35	1°58	2°43	27°51	14°17	T 4
W 5	21 15 52	17°26'35	20°31	29°57	1♌ 2	29°41	25°38	25°49	18°50	6°42	24°34	1°56	2°40	27°58	14°20	W 5
T 6	21 19 48	18°24'28	5♒39	0♌33	2°16	0♍19	25°41	25°52	18°51	6°42	24°33	1°55	2°37	28° 5	14°24	T 6
F 7	21 23 45	19°22'22	20°47	1°16	3°29	0°57	25°45	25°55	18°51	6°42	24°32	1°54	2°34	28°11	14°26	F 7
S 8	21 27 41	20°20'18	5♓46	2° 6	4°43	1°36	25°49	25°58	18°52	6°41	24°30	1°D54	2°30	28°18	14°29	S 8
S 9	21 31 38	21°18'15	20°27	3° 4	5°57	2°14	25°53	26° 1	18°53	6°41	24°29	1°55	2°27	28°25	14°32	S 9
M10	21 35 34	22°16'14	4♈46	4° 9	7°11	2°52	25°57	26° 3	18°54	6°41	24°28	1°55	2°24	28°31	14°35	M10
T 11	21 39 31	23°14'15	18°39	5°20	8°25	3°31	26° 1	26° 6	18°55	6°41	24°27	1°56	2°21	28°38	14°38	T 11
W12	21 43 28	24°12'18	2♉ 6	6°37	9°39	4° 9	26° 6	26° 8	18°56	6°41	24°25	1°57	2°18	28°45	14°40	W12
T 13	21 47 24	25°10'23	15° 7	8° 0	10°53	4°48	26°11	26°11	18°57	6°40	24°24	1°57	2°15	28°51	14°43	T 13
F 14	21 51 21	26° 8'30	27°46	9°28	12° 7	5°26	26°15	26°13	18°58	6°40	24°23	1°R57	2°11	28°58	14°46	F 14
S 15	21 55 17	27° 6'39	10♊ 6	11° 1	13°21	6° 5	26°20	26°15	18°59	6°40	24°21	1°57	2° 8	29° 5	14°48	S 15
S 16	21 59 14	28° 4'51	22°13	12°38	14°36	6°43	26°26	26°17	19° 0	6°39	24°20	1°57	2° 5	29°11	14°51	S 16
M17	22 3 10	29° 3'04	4♋ 9	14°18	15°50	7°22	26°31	26°19	19° 2	6°39	24°19	1°56	2° 2	29°18	14°53	M17
T 18	22 7 7	0♍ 1'19	16° 0	16° 2	17° 4	8° 0	26°36	26°21	19° 3	6°39	24°18	1°56	1°59	29°25	14°55	T 18
W19	22 11 3	0°59'36	27°49	17°48	18°18	8°39	26°42	26°22	19° 4	6°38	24°16	1°56	1°55	29°31	14°57	W19
T 20	22 15 0	1°57'55	9♌38	19°37	19°33	9°18	26°48	26°24	19° 6	6°38	24°15	1°D56	1°52	29°38	15° 0	T 20
F 21	22 18 57	2°56'16	21°32	21°27	20°47	9°56	26°54	26°25	19° 7	6°37	24°14	1°56	1°49	29°45	15° 2	F 21
S 22	22 22 53	3°54'39	3♍31	23°19	22° 1	10°35	27° 0	26°27	19° 9	6°37	24°13	1°R56	1°46	29°51	15° 4	S 22
S 23	22 26 50	4°53'04	15°38	25°12	23°16	11°14	27° 6	26°28	19°10	6°36	24°11	1°56	1°43	29°58	15° 6	S 23
M24	22 30 46	5°51'30	27°55	27° 5	24°30	11°53	27°13	26°29	19°12	6°35	24°10	1°56	1°40	0♌ 5	15° 7	M24
T 25	22 34 43	6°49'59	10♎24	28°58	25°45	12°31	27°19	26°30	19°14	6°35	24° 9	1°55	1°36	0°11	15° 9	T 25
W26	22 38 39	7°48'29	23° 5	0♍52	26°59	13°10	27°26	26°31	19°15	6°34	24° 8	1°54	1°33	0°18	15°11	W26
T 27	22 42 36	8°47'01	6♏ 1	2°46	28°14	13°49	27°33	26°32	19°17	6°33	24° 6	1°54	1°30	0°25	15°13	T 27
F 28	22 46 32	9°45'35	19°13	4°39	29°28	14°28	27°40	26°33	19°19	6°33	24° 5	1°53	1°27	0°31	15°14	F 28
S 29	22 50 29	10°44'10	2♐43	6°32	0♍43	15° 7	27°47	26°33	19°21	6°32	24° 4	1°52	1°24	0°38	15°16	S 29
S 30	22 54 26	11°42'48	16°30	8°25	1°57	15°46	27°54	26°34	19°23	6°31	24° 3	1°D52	1°21	0°45	15°17	S 30
M31	22 58 22	12♍41'26	0♑36	10♍16	3♍12	16♍25	28♏ 2	26♉34	19♏25	6♉30	24♒ 2	1♓53	1♓17	0♌51	15♊19	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	16n50	23s33	5s12	17n54	2s39	21n37	0n35	13n33	1n 5	18s38	0n36	17n16	2s 4	17s17	0n14	12n 4	1s52	25s34	13s 0	10s48	10s30	23n41	19n 4	3s34	S 1
S 2	16 33	26 41	5 15	18 10	2 21	21 25	0 37	13 19	1 4	18 39	0 36	17 16	2 4	17 17	0 14	12 4	1 52	25 35	13 1	10 48	10 31	23 39	19 4	3 35	S 2
M 3	16 16	28 13	4 59	18 25	2 4	21 12	0 40	13 6	1 4	18 40	0 36	17 17	2 4	17 17	0 14	12 4	1 52	25 35	13 1	10 49	10 32	23 37	19 4	3 35	M 3
T 4	15 59	27 50	4 24	18 38	1 46	20 59	0 42	12 52	1 4	18 41	0 35	17 18	2 4	17 17	0 14	12 4	1 52	25 36	13 1	10 50	10 33	23 35	19 4	3 35	T 4
W 5	15 41	25 26	3 30	18 49	1 29	20 45	0 44	12 38	1 4	18 42	0 35	17 18	2 4	17 18	0 14	12 3	1 52	25 36	13 1	10 50	10 35	23 33	19 4	3 36	W 5
T 6	15 23	21 13	2 20	18 59	1 11	20 30	0 46	12 24	1 3	18 43	0 35	17 19	2 4	17 18	0 14	12 3	1 52	25 37	13 1	10 51	10 36	23 31	19 4	3 36	T 6
F 7	15 5	15 37	1 1	19 6	0 54	20 15	0 48	12 10	1 3	18 44	0 35	17 19	2 5	17 18	0 14	12 3	1 52	25 38	13 1	10 51	10 37	23 29	19 4	3 36	F 7
S 8	14 47	9 7	0n21	19 11	0 38	20 0	0 50	11 56	1 3	18 45	0 34	17 20	2 5	17 18	0 14	12 3	1 52	25 38	13 1	10 51	10 38	23 27	19 4	3 37	S 8
S 9	14 28	2 15	1 41	19 13	0 22	19 43	0 52	11 42	1 3	18 46	0 34	17 20	2 5	17 19	0 14	12 3	1 52	25 39	13 1	10 51	10 39	23 25	19 4	3 37	S 9
M10	14 10	4n32	2 52	19 13	0 7	19 27	0 54	11 28	1 2	18 47	0 34	17 21	2 5	17 19	0 14	12 3	1 52	25 39	13 1	10 51	10 40	23 23	19 4	3 37	M10
T 11	13 51	10 54	3 51	19 9	0n 8	19 9	0 56	11 14	1 2	18 49	0 34	17 21	2 5	17 19	0 14	12 3	1 52	25 40	13 1	10 50	10 42	23 20	19 4	3 38	T 11
W12	13 31	16 34	4 35	19 3	0 21	18 51	0 58	11 0	1 2	18 50	0 34	17 21	2 5	17 19	0 14	12 3	1 52	25 40	13 1	10 50	10 43	23 18	19 4	3 38	W12
T 13	13 12	21 17	5 4	18 54	0 34	18 33	1 0	10 45	1 1	18 51	0 33	17 22	2 6	17 20	0 14	12 3	1 52	25 40	13 1	10 50	10 44	23 16	19 4	3 38	T 13
F 14	12 52	24 54	5 16	18 42	0 45	18 14	1 1	10 31	1 1	18 53	0 33	17 22	2 6	17 20	0 14	12 2	1 53	25 41	13 1	10 50	10 45	23 14	19 4	3 39	F 14
S 15	12 32	27 15	5 14	18 27	0 56	17 54	1 3	10 16	1 1	18 54	0 33	17 22	2 6	17 20	0 14	12 2	1 53	25 41	13 1	10 50	10 46	23 12	19 4	3 39	S 15
S 16	12 12	28 17	4 58	18 9	1 6	17 34	1 5	10 2	1 1	18 55	0 33	17 23	2 6	17 21	0 14	12 2	1 53	25 42	13 1	10 50	10 47	23 10	19 4	3 39	S 16
M17	11 52	27 58	4 29	17 48	1 14	17 14	1 6	9 47	1 0	18 57	0 33	17 23	2 6	17 21	0 13	12 2	1 53	25 42	13 1	10 50	10 48	23 8	19 4	3 40	M17
T 18	11 31	26 23	3 48	17 25	1 22	16 53	1 8	9 32	1 0	18 58	0 32	17 23	2 6	17 21	0 13	12 2	1 53	25 43	13 1	10 50	10 50	23 6	19 4	3 40	T 18
W19	11 11	23 37	2 58	16 59	1 28	16 31	1 9	9 17	1 0	19 0	0 32	17 24	2 7	17 22	0 13	12 2	1 53	25 43	13 1	10 51	10 51	23 3	19 3	3 41	W19
T 20	10 50	19 52	2 1	16 30	1 34	16 9	1 11	9 2	0 59	19 1	0 32	17 24	2 7	17 22	0 13	12 1	1 53	25 44	13 1	10 51	10 52	23 1	19 3	3 41	T 20
F 21	10 29	15 18	0 57	15 59	1 39	15 47	1 12	8 47	0 59	19 3	0 32	17 24	2 7	17 23	0 13	12 1	1 53	25 44	13 1	10 51	10 53	22 59	19 3	3 41	F 21
S 22	10 8	10 8	0s 9	15 26	1 42	15 24	1 13	8 32	0 59	19 5	0 32	17 24	2 7	17 23	0 13	12 1	1 53	25 45	13 1	10 51	10 54	22 57	19 3	3 42	S 22
S 23	9 46	4 32	1 15	14 50	1 45	15 0	1 14	8 17	0 58	19 6	0 31	17 24	2 7	17 24	0 13	12 1	1 53	25 45	13 1	10 51	10 55	22 55	19 3	3 42	S 23
M24	9 25	1s18	2 19	14 14	1 47	14 37	1 16	8 2	0 58	19 8	0 31	17 24	2 7	17 24	0 13	12 0	1 53	25 45	13 1	10 51	10 56	22 53	19 3	3 42	M24
T 25	9 3	7 10	3 18	13 35	1 48	14 12	1 17	7 47	0 58	19 10	0 31	17 24	2 8	17 25	0 13	12 0	1 53	25 46	13 1	10 51	10 58	22 50	19 2	3 43	T 25
W26	8 41	12 51	4 7	12 55	1 49	13 48	1 18	7 32	0 57	19 11	0 31	17 24	2 8	17 25	0 13	12 0	1 53	25 46	13 1	10 51	10 59	22 48	19 2	3 43	W26
T 27	8 19	18 5	4 45	12 14	1 49	13 23	1 19	7 16	0 57	19 13	0 31	17 24	2 8	17 26	0 13	12 0	1 53	25 47	13 1	10 51	11 0	22 46	19 2	3 44	T 27
F 28	7 57	22 34	5 9	11 31	1 48	12 58	1 20	7 1	0 57	19 15	0 30	17 24	2 8	17 26	0 13	11 59	1 53	25 47	13 1	10 52	11 1	22 44	19 2	3 44	F 28
S 29	7 35	25 59	5 17	10 48	1 46	12 32	1 20	6 46	0 56	19 17	0 30	17 24	2 8	17 27	0 13	11 59	1 53	25 47	13 1	10 52	11 2	22 42	19 2	3 44	S 29
S 30	7 12	27 58	5 7	10 4	1 44	12 6	1 21	6 30	0 56	19 18	0 30	17 24	2 9	17 27	0 13	11 59	1 53	25 48	13 1	10 52	11 3	22 39	19 1	3 45	S 30
M31	6n50	28s12	4s38	9n19	1n42	11n39	1n22	6n15	0n56	19s20	0n30	17n24	2s 9	17s28	0n13	11n58	1s53	25s48	13s 1	10s52	11s 4	22n37	19n 1	3s45	M31

Julian Day Number = 2107704.5, Delta T = 20m08s
Ecliptic obliquity = 23°33'49, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°37'03, Lahiri = 10°44'03 Julian Calendar 1 Aug. 1058 == Greg. Calendar 7 Aug. 1058

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1058
geocentric

SEPTEMBER 1058 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 2 19	13♍40'07	14♉59	12♍ 7	4♍27	17♍ 4	28♏ 9	26♉35	19♏27	6°R29	24°R 0	1♓54	1♓14	0♌58	15♊20	T 1
W 2	23 6 15	14°38'49	29°36	13°57	5°41	17°43	28°17	26°35	19°29	6♉28	23♒59	1°55	1°11	1° 5	15°21	W 2
T 3	23 10 12	15°37'34	14♒22	15°47	6°56	18°22	28°25	26°R35	19°31	6°28	23°58	1°55	1° 8	1°11	15°22	T 3
F 4	23 14 8	16°36'19	29°12	17°35	8°11	19° 1	28°33	26°35	19°33	6°27	23°57	1°R56	1° 5	1°18	15°23	F 4
S 5	23 18 5	17°35'07	13♓57	19°23	9°25	19°40	28°41	26°35	19°35	6°26	23°56	1°56	1° 1	1°25	15°24	S 5
S 6	23 22 1	18°33'57	28°32	21° 9	10°40	20°19	28°49	26°34	19°37	6°25	23°55	1°55	0°58	1°31	15°25	S 6
M 7	23 25 58	19°32'49	12♈49	22°55	11°55	20°58	28°57	26°34	19°39	6°24	23°53	1°53	0°55	1°38	15°26	M 7
T 8	23 29 55	20°31'43	26°45	24°40	13°10	21°37	29° 6	26°33	19°42	6°23	23°52	1°50	0°52	1°45	15°27	T 8
W 9	23 33 51	21°30'39	10♉15	26°24	14°25	22°17	29°14	26°33	19°44	6°22	23°51	1°47	0°49	1°51	15°28	W 9
T 10	23 37 48	22°29'38	23°21	28° 7	15°39	22°56	29°23	26°32	19°46	6°20	23°50	1°45	0°46	1°58	15°28	T 10
F 11	23 41 44	23°28'39	6♊ 4	29°49	16°54	23°35	29°32	26°31	19°49	6°19	23°49	1°43	0°42	2° 5	15°29	F 11
S 12	23 45 41	24°27'42	18°27	1♎30	18° 9	24°14	29°41	26°30	19°51	6°18	23°48	1°42	0°39	2°11	15°29	S 12
S 13	23 49 37	25°26'48	0♋34	3°10	19°24	24°54	29°50	26°29	19°54	6°17	23°47	1°D42	0°36	2°18	15°30	S 13
M14	23 53 34	26°25'56	12°31	4°50	20°39	25°33	29°59	26°28	19°56	6°16	23°46	1°43	0°33	2°25	15°30	M14
T 15	23 57 30	27°25'06	24°21	6°29	21°54	26°13	0♐ 8	26°27	19°59	6°15	23°45	1°44	0°30	2°31	15°30	T 15
W16	0 1 27	28°24'19	6♌ 9	8° 7	23° 9	26°52	0°18	26°25	20° 1	6°13	23°44	1°46	0°26	2°38	15°30	W16
T 17	0 5 24	29°23'34	18° 1	9°44	24°24	27°31	0°27	26°24	20° 4	6°12	23°43	1°48	0°23	2°45	15°31	T 17
F 18	0 9 20	0♎22'51	29°59	11°20	25°39	28°11	0°37	26°22	20° 7	6°11	23°42	1°R48	0°20	2°51	15°R31	F 18
S 19	0 13 17	1°22'11	12♍ 8	12°56	26°54	28°50	0°47	26°21	20° 9	6° 9	23°41	1°48	0°17	2°58	15°31	S 19
S 20	0 17 13	2°21'32	24°28	14°30	28° 9	29°30	0°57	26°19	20°12	6° 8	23°40	1°46	0°14	3° 5	15°30	S 20
M21	0 21 10	3°20'56	7♎ 3	16° 4	29°24	0♎10	1° 7	26°17	20°15	6° 7	23°39	1°42	0°11	3°11	15°30	M21
T 22	0 25 6	4°20'22	19°51	17°38	0♎40	0°49	1°17	26°15	20°18	6° 5	23°38	1°38	0° 7	3°18	15°30	T 22
W23	0 29 3	5°19'50	2♏54	19°10	1°55	1°29	1°27	26°13	20°21	6° 4	23°37	1°32	0° 4	3°25	15°30	W23
T 24	0 32 59	6°19'20	16°11	20°42	3°10	2° 9	1°37	26°11	20°23	6° 3	23°36	1°26	0° 1	3°31	15°29	T 24
F 25	0 36 56	7°18'51	29°40	22°14	4°25	2°48	1°48	26° 8	20°26	6° 1	23°36	1°21	29♒58	3°38	15°29	F 25
S 26	0 40 52	8°18'25	13♐20	23°44	5°40	3°28	1°58	26° 6	20°29	6° 0	23°35	1°17	29°55	3°44	15°28	S 26
S 27	0 44 49	9°18'01	27°11	25°14	6°55	4° 8	2° 9	26° 3	20°32	5°58	23°34	1°15	29°52	3°51	15°27	S 27
M28	0 48 46	10°17'38	11♑11	26°43	8°10	4°48	2°19	26° 1	20°35	5°57	23°33	1°D14	29°48	3°58	15°27	M28
T 29	0 52 42	11°17'17	25°20	28°12	9°26	5°28	2°30	25°58	20°38	5°55	23°32	1°15	29°45	4° 4	15°26	T 29
W30	0 56 39	12♎16'58	9♒36	29♎40	10♎41	6♎ 8	2♐41	25♉55	20♏41	5♉54	23♒31	1♓16	29♒42	4♌11	15♊25	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n27	26s33	3s52	8n34	1n39	11n13	1n23	5n59	0n55	19s22	0n30	17n24	2s 9	17s28	0n13	11n58	1s54	25s48	13s 1	10s51	11s 5	22n35	19n 1	3s46
W 2	6 5	23 6	2 50	7 48	1 35	10 46	1 23	5 43	0 55	19 24	0 30	17 24	2 9	17 29	0 13	11 58	1 54	25 49	13 1	10 51	11 7	22 33	19 1	3 46
T 3	5 42	18 8	1 36	7 2	1 31	10 18	1 24	5 28	0 55	19 26	0 29	17 24	2 9	17 29	0 13	11 57	1 54	25 49	13 1	10 51	11 8	22 30	19 0	3 46
F 4	5 19	12 3	0 15	6 16	1 27	9 51	1 24	5 12	0 54	19 28	0 29	17 24	2 9	17 30	0 13	11 57	1 54	25 49	13 1	10 51	11 9	22 28	19 0	3 47
S 5	4 56	5 20	1n 6	5 29	1 22	9 23	1 25	4 56	0 54	19 30	0 29	17 23	2 10	17 31	0 13	11 57	1 54	25 50	13 1	10 51	11 10	22 26	19 0	3 47
S 6	4 33	1n35	2 22	4 42	1 17	8 55	1 25	4 41	0 54	19 32	0 29	17 23	2 10	17 31	0 13	11 56	1 54	25 50	13 1	10 51	11 11	22 24	19 0	3 48
M 7	4 10	8 16	3 27	3 56	1 12	8 26	1 25	4 25	0 53	19 34	0 29	17 23	2 10	17 32	0 13	11 56	1 54	25 50	13 0	10 52	11 12	22 21	18 59	3 48
T 8	3 46	14 22	4 18	3 9	1 7	7 58	1 25	4 9	0 53	19 36	0 28	17 23	2 10	17 32	0 13	11 55	1 54	25 51	13 0	10 53	11 13	22 19	18 59	3 48
W 9	3 23	19 36	4 53	2 22	1 1	7 29	1 26	3 53	0 53	19 38	0 28	17 22	2 10	17 33	0 13	11 55	1 54	25 51	13 0	10 54	11 15	22 17	18 59	3 49
T 10	3 0	23 44	5 12	1 36	0 55	7 0	1 26	3 37	0 52	19 40	0 28	17 22	2 10	17 34	0 13	11 55	1 54	25 51	13 0	10 54	11 16	22 15	18 58	3 49
F 11	2 36	26 35	5 14	0 49	0 49	6 31	1 26	3 21	0 52	19 42	0 28	17 22	2 11	17 34	0 13	11 54	1 54	25 51	13 0	10 55	11 17	22 12	18 58	3 49
S 12	2 13	28 4	5 2	0 3	0 43	6 1	1 26	3 5	0 52	19 44	0 28	17 21	2 11	17 35	0 13	11 54	1 54	25 52	13 0	10 56	11 18	22 10	18 58	3 50
S 13	1 49	28 10	4 36	0s43	0 36	5 32	1 26	2 49	0 51	19 46	0 28	17 21	2 11	17 36	0 13	11 53	1 54	25 52	13 0	10 56	11 19	22 8	18 57	3 50
M14	1 26	26 56	3 59	1 28	0 30	5 2	1 25	2 33	0 51	19 48	0 27	17 20	2 11	17 36	0 13	11 53	1 54	25 52	13 0	10 55	11 20	22 5	18 57	3 51
T 15	1 2	24 30	3 12	2 14	0 23	4 32	1 25	2 17	0 50	19 50	0 27	17 20	2 11	17 37	0 13	11 52	1 54	25 52	12 59	10 55	11 21	22 3	18 56	3 51
W16	0 38	21 2	2 16	2 59	0 16	4 2	1 25	2 1	0 50	19 53	0 27	17 20	2 11	17 38	0 13	11 52	1 54	25 53	12 59	10 54	11 22	22 1	18 56	3 51
T 17	0 15	16 42	1 15	3 44	0 10	3 31	1 24	1 45	0 50	19 55	0 27	17 19	2 12	17 39	0 13	11 52	1 54	25 53	12 59	10 53	11 24	21 59	18 56	3 52
F 18	0s 9	11 41	0 10	4 28	0 3	3 1	1 24	1 29	0 49	19 57	0 27	17 19	2 12	17 39	0 13	11 51	1 54	25 53	12 59	10 53	11 25	21 56	18 55	3 52
S 19	0 33	6 11	0s56	5 12	0s 4	2 31	1 23	1 13	0 49	19 59	0 27	17 18	2 12	17 40	0 13	11 51	1 54	25 53	12 59	10 53	11 26	21 54	18 55	3 53
S 20	0 57	0 21	2 1	5 55	0 11	2 0	1 23	0 56	0 48	20 1	0 26	17 17	2 12	17 41	0 13	11 50	1 54	25 53	12 59	10 54	11 27	21 52	18 54	3 53
M21	1 20	5s35	3 1	6 38	0 18	1 30	1 22	0 40	0 48	20 4	0 26	17 17	2 12	17 42	0 13	11 50	1 54	25 54	12 59	10 55	11 28	21 49	18 54	3 53
T 22	1 44	11 23	3 53	7 20	0 25	0 59	1 22	0 24	0 48	20 6	0 26	17 16	2 12	17 42	0 13	11 49	1 54	25 54	12 58	10 57	11 29	21 47	18 54	3 54
W23	2 8	16 49	4 33	8 2	0 32	0 28	1 21	0 8	0 47	20 8	0 26	17 16	2 12	17 43	0 13	11 49	1 54	25 54	12 58	10 59	11 30	21 45	18 53	3 54
T 24	2 31	21 33	5 0	8 44	0 39	0s 3	1 20	0s 8	0 47	20 10	0 26	17 15	2 13	17 44	0 13	11 48	1 55	25 54	12 58	11 1	11 31	21 42	18 53	3 55
F 25	2 55	25 14	5 11	9 25	0 46	0 33	1 19	0 25	0 47	20 13	0 26	17 14	2 13	17 45	0 13	11 48	1 55	25 54	12 58	11 3	11 33	21 40	18 52	3 55
S 26	3 19	27 33	5 4	10 5	0 53	1 4	1 18	0 41	0 46	20 15	0 25	17 14	2 13	17 46	0 13	11 47	1 55	25 54	12 58	11 4	11 34	21 38	18 52	3 55
S 27	3 42	28 12	4 40	10 44	1 0	1 35	1 17	0 57	0 46	20 17	0 25	17 13	2 13	17 46	0 13	11 47	1 55	25 54	12 57	11 5	11 35	21 35	18 51	3 56
M28	4 6	27 3	3 59	11 23	1 7	2 6	1 16	1 13	0 45	20 19	0 25	17 12	2 13	17 47	0 13	11 46	1 55	25 55	12 57	11 6	11 36	21 33	18 51	3 56
T 29	4 29	24 10	3 3	12 2	1 13	2 36	1 15	1 30	0 45	20 22	0 25	17 11	2 13	17 48	0 13	11 46	1 55	25 55	12 57	11 5	11 37	21 30	18 50	3 57
W30	4s53	19s47	1s55	12s39	1s20	3s 7	1n14	1s46	0n44	20s24	0n25	17n11	2s13	17s49	0n13	11n45	1s55	25s55	12s57	11s 5	11s38	21n28	18n50	3s57

Julian Day Number = 2107735.5, Delta T = 20m08s
Ecliptic obliquity = 23°33'49, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°37'07, Lahiri = 10°44'07 Julian Calendar 1 Sept. 1058 == Greg. Calendar 7 Sept. 1058

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1058
geocentric

OCTOBER 1058 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 0 35	13♎16'40	23♒57	1♏ 7	11♎56	6♎47	2♐52	25°R53	20♏45	5°R52	23°R31	1°R17	29♒39	4♌18	15°R24	T 1
F 2	1 4 32	14°16'24	8♓20	2°33	13°11	7°27	3° 3	25♉50	20°48	5♉51	23♒30	1♓17	29°36	4°24	15♊23	F 2
S 3	1 8 28	15°16'10	22°41	3°59	14°26	8° 7	3°14	25°46	20°51	5°49	23°29	1°15	29°32	4°31	15°22	S 3
S 4	1 12 25	16°15'58	6♈55	5°23	15°42	8°47	3°25	25°43	20°54	5°48	23°29	1°11	29°29	4°38	15°20	S 4
M 5	1 16 21	17°15'48	20°57	6°47	16°57	9°27	3°37	25°40	20°57	5°46	23°28	1° 5	29°26	4°44	15°19	M 5
T 6	1 20 18	18°15'39	4♉43	8°11	18°12	10° 7	3°48	25°37	21° 0	5°44	23°27	0°58	29°23	4°51	15°18	T 6
W 7	1 24 15	19°15'33	18°10	9°33	19°27	10°48	3°59	25°33	21° 4	5°43	23°27	0°49	29°20	4°58	15°16	W 7
T 8	1 28 11	20°15'30	1♊15	10°54	20°43	11°28	4°11	25°30	21° 7	5°41	23°26	0°41	29°17	5° 4	15°15	T 8
F 9	1 32 8	21°15'28	13°58	12°14	21°58	12° 8	4°23	25°26	21°10	5°40	23°26	0°33	29°13	5°11	15°13	F 9
S 10	1 36 4	22°15'28	26°22	13°34	23°13	12°48	4°34	25°23	21°14	5°38	23°25	0°28	29°10	5°18	15°12	S 10
S 11	1 40 1	23°15'31	8♋31	14°52	24°28	13°28	4°46	25°19	21°17	5°36	23°24	0°24	29° 7	5°24	15°10	S 11
M12	1 43 57	24°15'36	20°27	16° 8	25°44	14° 9	4°58	25°15	21°20	5°35	23°24	0°D23	29° 4	5°31	15° 8	M12
T 13	1 47 54	25°15'43	2♌17	17°24	26°59	14°49	5°10	25°11	21°24	5°33	23°23	0°23	29° 1	5°38	15° 6	T 13
W14	1 51 50	26°15'52	14° 5	18°37	28°14	15°29	5°22	25° 7	21°27	5°31	23°23	0°24	28°58	5°44	15° 4	W14
T 15	1 55 47	27°16'03	25°58	19°49	29°30	16°10	5°34	25° 3	21°31	5°30	23°23	0°R25	28°54	5°51	15° 3	T 15
F 16	1 59 44	28°16'16	8♍ 0	21° 0	0♏45	16°50	5°46	24°59	21°34	5°28	23°22	0°25	28°51	5°58	15° 0	F 16
S 17	2 3 40	29°16'31	20°15	22° 8	2° 0	17°31	5°58	24°55	21°38	5°26	23°22	0°23	28°48	6° 4	14°58	S 17
S 18	2 7 37	0♏16'49	2♎47	23°13	3°16	18°11	6°10	24°51	21°41	5°25	23°21	0°18	28°45	6°11	14°56	S 18
M19	2 11 33	1°17'08	15°37	24°16	4°31	18°52	6°23	24°46	21°45	5°23	23°21	0°11	28°42	6°18	14°54	M19
T 20	2 15 30	2°17'29	28°47	25°16	5°46	19°33	6°35	24°42	21°48	5°21	23°21	0° 2	28°38	6°24	14°52	T 20
W21	2 19 26	3°17'52	12♏15	26°13	7° 2	20°13	6°48	24°38	21°52	5°20	23°20	29♒51	28°35	6°31	14°49	W21
T 22	2 23 23	4°18'16	25°58	27° 5	8°17	20°54	7° 0	24°33	21°55	5°18	23°20	29°40	28°32	6°38	14°47	T 22
F 23	2 27 19	5°18'43	9♐53	27°54	9°33	21°35	7°13	24°29	21°59	5°16	23°20	29°29	28°29	6°44	14°44	F 23
S 24	2 31 16	6°19'10	23°55	28°38	10°48	22°15	7°25	24°24	22° 2	5°15	23°20	29°21	28°26	6°51	14°42	S 24
S 25	2 35 13	7°19'40	8♑ 2	29°16	12° 3	22°56	7°38	24°20	22° 6	5°13	23°19	29°15	28°23	6°58	14°39	S 25
M26	2 39 9	8°20'10	22°10	29°49	13°19	23°37	7°51	24°15	22°10	5°11	23°19	29°12	28°19	7° 4	14°36	M26
T 27	2 43 6	9°20'42	6♒17	0♐15	14°34	24°18	8° 4	24°10	22°13	5° 9	23°19	29°D10	28°16	7°11	14°34	T 27
W28	2 47 2	10°21'15	20°22	0°33	15°49	24°59	8°16	24° 6	22°17	5° 8	23°19	29°11	28°13	7°18	14°31	W28
T 29	2 50 59	11°21'50	4♓24	0°44	17° 5	25°39	8°29	24° 1	22°20	5° 6	23°19	29°R11	28°10	7°24	14°28	T 29
F 30	2 54 55	12°22'25	18°23	0°R45	18°20	26°20	8°42	23°56	22°24	5° 4	23°19	29° 9	28° 7	7°31	14°25	F 30
S 31	2 58 52	13♏23'02	2♈17	0♐37	19♏35	27♎ 1	8♐55	23♉51	22♏28	5♉ 3	23♒19	29♒ 6	28♒ 3	7♌37	14♊22	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s16	14s14	0s40	13s16	1s26	3s38	1n13	2s 2	0n44	20s26	0n25	17n10	2s13	17s50	0n13	11n45	1s55	25s55	12s57	11s 4	11s39	21n26	18n49	3s57
F 2	5 39	7 54	0n38	13 52	1 33	4 8	1 11	2 18	0 44	20 28	0 25	17 9	2 14	17 51	0 13	11 44	1 55	25 55	12 56	11 4	11 40	21 23	18 49	3 58
S 3	6 3	1 11	1 53	14 28	1 39	4 39	1 10	2 35	0 43	20 31	0 24	17 8	2 14	17 51	0 13	11 44	1 55	25 55	12 56	11 5	11 42	21 21	18 48	3 58
S 4	6 26	5n31	3 1	15 2	1 45	5 9	1 9	2 51	0 43	20 33	0 24	17 7	2 14	17 52	0 13	11 43	1 55	25 55	12 56	11 6	11 43	21 18	18 48	3 59
M 5	6 49	11 51	3 56	15 36	1 51	5 40	1 7	3 7	0 42	20 35	0 24	17 7	2 14	17 53	0 13	11 42	1 55	25 55	12 56	11 9	11 44	21 16	18 47	3 59
T 6	7 12	17 29	4 36	16 9	1 57	6 10	1 6	3 23	0 42	20 38	0 24	17 6	2 14	17 54	0 13	11 42	1 55	25 55	12 56	11 11	11 45	21 14	18 47	3 59
W 7	7 35	22 7	5 0	16 41	2 2	6 40	1 4	3 39	0 41	20 40	0 24	17 5	2 14	17 55	0 13	11 41	1 55	25 55	12 55	11 14	11 46	21 11	18 46	4 0
T 8	7 57	25 31	5 7	17 12	2 8	7 10	1 3	3 56	0 41	20 42	0 24	17 4	2 14	17 56	0 13	11 41	1 55	25 55	12 55	11 17	11 47	21 9	18 46	4 0
F 9	8 20	27 32	4 59	17 42	2 13	7 40	1 1	4 12	0 41	20 44	0 24	17 3	2 14	17 57	0 13	11 40	1 55	25 55	12 55	11 20	11 48	21 6	18 45	4 0
S 10	8 43	28 7	4 37	18 11	2 18	8 9	0 59	4 28	0 40	20 47	0 23	17 2	2 14	17 58	0 13	11 40	1 55	25 55	12 55	11 22	11 49	21 4	18 45	4 1
S 11	9 5	27 19	4 2	18 39	2 22	8 39	0 57	4 44	0 40	20 49	0 23	17 1	2 14	17 58	0 13	11 39	1 55	25 55	12 54	11 23	11 50	21 2	18 44	4 1
M12	9 27	25 15	3 18	19 6	2 27	9 8	0 56	5 0	0 39	20 51	0 23	17 0	2 14	17 59	0 13	11 39	1 55	25 55	12 54	11 24	11 52	20 59	18 44	4 2
T 13	9 49	22 7	2 25	19 31	2 31	9 37	0 54	5 16	0 39	20 54	0 23	16 59	2 15	18 0	0 12	11 38	1 55	25 55	12 54	11 24	11 53	20 57	18 43	4 2
W14	10 11	18 4	1 27	19 56	2 34	10 6	0 52	5 32	0 38	20 56	0 23	16 58	2 15	18 1	0 12	11 37	1 55	25 55	12 54	11 23	11 54	20 54	18 43	4 2
T 15	10 33	13 18	0 24	20 19	2 37	10 34	0 50	5 48	0 38	20 58	0 23	16 57	2 15	18 2	0 12	11 37	1 55	25 55	12 53	11 23	11 55	20 52	18 42	4 3
F 16	10 55	7 59	0s41	20 40	2 40	11 3	0 48	6 4	0 37	21 0	0 23	16 56	2 15	18 3	0 12	11 36	1 55	25 54	12 53	11 23	11 56	20 49	18 41	4 3
S 17	11 16	2 17	1 44	21 1	2 43	11 31	0 46	6 20	0 37	21 3	0 22	16 55	2 15	18 4	0 12	11 36	1 55	25 54	12 53	11 24	11 57	20 47	18 41	4 3
S 18	11 38	3s37	2 44	21 19	2 44	11 58	0 44	6 36	0 37	21 5	0 22	16 54	2 15	18 5	0 12	11 35	1 55	25 54	12 53	11 25	11 58	20 44	18 40	4 4
M19	11 59	9 31	3 37	21 36	2 45	12 26	0 42	6 52	0 36	21 7	0 22	16 53	2 15	18 6	0 12	11 35	1 55	25 54	12 52	11 28	11 59	20 42	18 40	4 4
T 20	12 20	15 8	4 20	21 52	2 46	12 53	0 40	7 8	0 36	21 9	0 22	16 52	2 15	18 7	0 12	11 34	1 55	25 54	12 52	11 31	12 0	20 39	18 39	4 4
W21	12 41	20 10	4 49	22 5	2 46	13 20	0 38	7 24	0 35	21 12	0 22	16 51	2 15	18 8	0 12	11 34	1 55	25 54	12 52	11 35	12 2	20 37	18 38	4 5
T 22	13 1	24 14	5 2	22 17	2 45	13 47	0 36	7 40	0 35	21 14	0 22	16 50	2 15	18 9	0 12	11 33	1 55	25 54	12 52	11 39	12 3	20 34	18 38	4 5
F 23	13 22	26 57	4 58	22 27	2 43	14 13	0 34	7 56	0 34	21 16	0 22	16 48	2 15	18 9	0 12	11 32	1 55	25 54	12 51	11 43	12 4	20 32	18 37	4 5
S 24	13 42	28 1	4 36	22 34	2 41	14 39	0 31	8 11	0 34	21 18	0 22	16 47	2 15	18 10	0 12	11 32	1 55	25 53	12 51	11 46	12 5	20 29	18 37	4 6
S 25	14 2	27 15	3 57	22 39	2 37	15 4	0 29	8 27	0 33	21 21	0 21	16 46	2 15	18 11	0 12	11 31	1 55	25 53	12 51	11 48	12 6	20 27	18 36	4 6
M26	14 21	24 44	3 3	22 42	2 32	15 29	0 27	8 43	0 33	21 23	0 21	16 45	2 15	18 12	0 12	11 31	1 55	25 53	12 51	11 49	12 7	20 24	18 35	4 6
T 27	14 41	20 43	1 58	22 42	2 27	15 54	0 25	8 58	0 32	21 25	0 21	16 44	2 15	18 13	0 12	11 30	1 55	25 53	12 50	11 49	12 8	20 22	18 35	4 7
W28	15 0	15 31	0 47	22 39	2 19	16 18	0 22	9 14	0 32	21 27	0 21	16 43	2 15	18 14	0 12	11 30	1 55	25 53	12 50	11 49	12 9	20 19	18 34	4 7
T 29	15 19	9 31	0n28	22 33	2 11	16 42	0 20	9 29	0 31	21 29	0 21	16 42	2 15	18 15	0 12	11 29	1 55	25 52	12 50	11 49	12 10	20 17	18 34	4 7
F 30	15 38	3 5	1 40	22 23	2 1	17 6	0 18	9 44	0 31	21 31	0 21	16 40	2 15	18 16	0 12	11 29	1 55	25 52	12 49	11 50	12 12	20 14	18 33	4 8
S 31	15s56	3n27	2n46	22s10	1s49	17s29	0n15	10s 0	0n30	21s34	0n21	16n39	2s15	18s17	0n12	11n28	1s55	25s52	12s49	11s51	12s13	20n12	18n32	4s 8

Julian Day Number = 2107765.5, Delta T = 20m07s
Ecliptic obliquity = 23°33'49, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°37'11, Lahiri = 10°44'11 Julian Calendar 1 Oct. 1058 == Greg. Calendar 7 Oct. 1058

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1058
geocentric

NOVEMBER 1058 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 2 48	14♏23'40	16♈ 4	0°R19	20♏51	27♎42	9♐ 8	23°R46	22♏31	5°R 1	23°D19	28°R59	28♒ 0	7♌44	14°R19	S 1
M 2	3 6 45	15°24'19	29°42	29♏50	22° 6	28°23	9°21	23♉42	22°35	4♉59	23♒19	28♒49	27°57	7°51	14♊16	M 2
T 3	3 10 42	16°25'00	13♉ 8	29°11	23°21	29° 5	9°34	23°37	22°39	4°58	23°19	28°37	27°54	7°57	14°13	T 3
W 4	3 14 38	17°25'42	26°19	28°21	24°37	29°46	9°48	23°32	22°42	4°56	23°19	28°24	27°51	8° 4	14°10	W 4
T 5	3 18 35	18°26'26	9♊14	27°21	25°52	0♏27	10° 1	23°27	22°46	4°54	23°19	28°11	27°48	8°11	14° 7	T 5
F 6	3 22 31	19°27'11	21°51	26°13	27° 8	1° 8	10°14	23°22	22°50	4°53	23°19	27°59	27°44	8°17	14° 4	F 6
S 7	3 26 28	20°27'58	4♋12	24°57	28°23	1°49	10°27	23°17	22°54	4°51	23°19	27°49	27°41	8°24	14° 1	S 7
S 8	3 30 24	21°28'46	16°19	23°37	29°38	2°31	10°41	23°12	22°57	4°50	23°19	27°42	27°38	8°31	13°57	S 8
M 9	3 34 21	22°29'36	28°15	22°15	0♐54	3°12	10°54	23° 7	23° 1	4°48	23°20	27°37	27°35	8°37	13°54	M 9
T 10	3 38 17	23°30'27	10♌ 4	20°53	2° 9	3°53	11° 7	23° 2	23° 5	4°46	23°20	27°35	27°32	8°44	13°51	T 10
W11	3 42 14	24°31'20	21°51	19°34	3°24	4°35	11°21	22°57	23° 8	4°45	23°20	27°35	27°29	8°51	13°47	W11
T 12	3 46 11	25°32'13	3♍43	18°22	4°40	5°16	11°34	22°52	23°12	4°43	23°20	27°35	27°25	8°57	13°44	T 12
F 13	3 50 7	26°33'09	15°44	17°17	5°55	5°58	11°48	22°47	23°16	4°42	23°21	27°34	27°22	9° 4	13°40	F 13
S 14	3 54 4	27°34'05	28° 1	16°22	7°10	6°39	12° 1	22°42	23°19	4°40	23°21	27°31	27°19	9°11	13°37	S 14
S 15	3 58 0	28°35'03	10♎37	15°38	8°26	7°21	12°15	22°38	23°23	4°39	23°21	27°26	27°16	9°17	13°33	S 15
M16	4 1 57	29°36'03	23°36	15° 5	9°41	8° 2	12°28	22°33	23°27	4°37	23°22	27°18	27°13	9°24	13°30	M16
T 17	4 5 53	0♐37'03	7♏ 0	14°43	10°56	8°44	12°42	22°28	23°30	4°36	23°22	27° 8	27° 9	9°31	13°26	T 17
W18	4 9 50	1°38'05	20°47	14°D33	12°12	9°26	12°56	22°23	23°34	4°34	23°22	26°55	27° 6	9°37	13°23	W18
T 19	4 13 46	2°39'07	4♐54	14°34	13°27	10° 7	13° 9	22°18	23°38	4°33	23°23	26°42	27° 3	9°44	13°19	T 19
F 20	4 17 43	3°40'11	19°17	14°44	14°42	10°49	13°23	22°13	23°41	4°31	23°23	26°30	27° 0	9°51	13°15	F 20
S 21	4 21 40	4°41'15	3♑48	15° 4	15°58	11°31	13°36	22° 8	23°45	4°30	23°24	26°20	26°57	9°57	13°12	S 21
S 22	4 25 36	5°42'20	18°20	15°31	17°13	12°13	13°50	22° 4	23°49	4°28	23°24	26°13	26°54	10° 4	13° 8	S 22
M23	4 29 33	6°43'26	2♒48	16° 7	18°28	12°54	14° 4	21°59	23°52	4°27	23°25	26° 9	26°50	10°11	13° 4	M23
T 24	4 33 29	7°44'32	17° 8	16°49	19°44	13°36	14°18	21°54	23°56	4°26	23°26	26° 7	26°47	10°17	13° 1	T 24
W25	4 37 26	8°45'38	1♓17	17°36	20°59	14°18	14°31	21°50	24° 0	4°24	23°26	26° 7	26°44	10°24	12°57	W25
T 26	4 41 22	9°46'45	15°14	18°29	22°14	15° 0	14°45	21°45	24° 3	4°23	23°27	26° 7	26°41	10°30	12°53	T 26
F 27	4 45 19	10°47'52	29° 0	19°27	23°30	15°42	14°59	21°40	24° 7	4°22	23°27	26° 6	26°38	10°37	12°50	F 27
S 28	4 49 15	11°48'59	12♈35	20°28	24°45	16°24	15°13	21°36	24°10	4°20	23°28	26° 3	26°35	10°44	12°46	S 28
S 29	4 53 12	12°50'07	25°59	21°34	26° 0	17° 6	15°26	21°32	24°14	4°19	23°29	25°56	26°31	10°50	12°42	S 29
M30	4 57 9	13♐51'15	9♉12	22♏42	27♐16	17♏48	15♐40	21♉27	24♏17	4♉18	23♒29	25♒47	26♒28	10♌57	12♊38	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s14	9n45	3n41	21s54	1s36	17s51	0n13	10s15	0n30	21s36	0n21	16n38	2s15	18s18	0n12	11n27	1s55	25s52	12s49	11s53	12s14	20n 9	18n32	4s 8
M 2	16 32	15 31	4 23	21 33	1 22	18 13	0 11	10 30	0 29	21 38	0 21	16 37	2 15	18 19	0 12	11 27	1 55	25 51	12 49	11 57	12 15	20 7	18 31	4 8
T 3	16 50	20 27	4 50	21 9	1 5	18 35	0 8	10 45	0 29	21 40	0 20	16 36	2 15	18 20	0 12	11 26	1 55	25 51	12 48	12 1	12 16	20 4	18 31	4 9
W 4	17 7	24 17	5 0	20 40	0 48	18 56	0 6	11 0	0 28	21 42	0 20	16 35	2 15	18 21	0 12	11 26	1 55	25 51	12 48	12 5	12 17	20 2	18 30	4 9
T 5	17 24	26 48	4 55	20 8	0 29	19 16	0 3	11 15	0 28	21 44	0 20	16 33	2 15	18 22	0 12	11 25	1 55	25 51	12 48	12 10	12 18	19 59	18 29	4 9
F 6	17 41	27 53	4 35	19 33	0 9	19 36	0 1	11 30	0 27	21 46	0 20	16 32	2 15	18 23	0 12	11 25	1 55	25 50	12 48	12 14	12 19	19 57	18 29	4 9
S 7	17 57	27 32	4 3	18 55	0n12	19 56	0s 1	11 45	0 27	21 48	0 20	16 31	2 15	18 24	0 12	11 24	1 55	25 50	12 47	12 18	12 20	19 54	18 28	4 10
S 8	18 14	25 52	3 20	18 15	0 32	20 14	0 4	12 0	0 26	21 50	0 20	16 30	2 15	18 25	0 12	11 24	1 55	25 50	12 47	12 20	12 21	19 51	18 27	4 10
M 9	18 29	23 3	2 29	17 35	0 52	20 33	0 6	12 15	0 25	21 52	0 20	16 29	2 15	18 26	0 12	11 23	1 55	25 49	12 47	12 22	12 23	19 49	18 27	4 10
T 10	18 45	19 17	1 31	16 55	1 12	20 50	0 9	12 29	0 25	21 54	0 20	16 27	2 15	18 26	0 12	11 23	1 55	25 49	12 46	12 22	12 24	19 46	18 26	4 10
W11	19 0	14 46	0 30	16 17	1 30	21 8	0 11	12 44	0 24	21 56	0 20	16 26	2 14	18 27	0 12	11 22	1 55	25 49	12 46	12 23	12 25	19 44	18 25	4 11
T 12	19 15	9 42	0s32	15 41	1 46	21 24	0 13	12 58	0 24	21 58	0 19	16 25	2 14	18 28	0 12	11 22	1 55	25 48	12 46	12 23	12 26	19 41	18 25	4 11
F 13	19 29	4 12	1 35	15 9	2 1	21 40	0 16	13 13	0 23	22 0	0 19	16 24	2 14	18 29	0 12	11 21	1 55	25 48	12 46	12 23	12 27	19 39	18 24	4 11
S 14	19 43	1s33	2 34	14 42	2 13	21 55	0 18	13 27	0 23	22 2	0 19	16 23	2 14	18 30	0 12	11 21	1 55	25 48	12 45	12 24	12 28	19 36	18 24	4 11
S 15	19 57	7 23	3 27	14 20	2 23	22 10	0 21	13 41	0 22	22 4	0 19	16 22	2 14	18 31	0 12	11 20	1 55	25 47	12 45	12 25	12 29	19 33	18 23	4 12
M16	20 10	13 5	4 11	14 2	2 31	22 24	0 23	13 55	0 22	22 6	0 19	16 21	2 14	18 32	0 12	11 20	1 55	25 47	12 45	12 28	12 30	19 31	18 22	4 12
T 17	20 23	18 21	4 42	13 51	2 37	22 37	0 25	14 9	0 21	22 8	0 19	16 19	2 14	18 33	0 12	11 19	1 55	25 46	12 44	12 32	12 31	19 28	18 22	4 12
W18	20 36	22 50	4 59	13 44	2 41	22 50	0 28	14 23	0 20	22 9	0 19	16 18	2 14	18 34	0 12	11 19	1 55	25 46	12 44	12 36	12 32	19 26	18 21	4 12
T 19	20 48	26 6	4 57	13 42	2 43	23 2	0 30	14 37	0 20	22 11	0 19	16 17	2 14	18 35	0 12	11 18	1 54	25 46	12 44	12 41	12 33	19 23	18 21	4 12
F 20	21 0	27 44	4 37	13 44	2 43	23 13	0 32	14 50	0 19	22 13	0 19	16 16	2 14	18 36	0 12	11 18	1 54	25 45	12 44	12 45	12 35	19 20	18 20	4 13
S 21	21 11	27 30	3 59	13 51	2 43	23 24	0 35	15 4	0 19	22 15	0 18	16 15	2 13	18 37	0 12	11 17	1 54	25 45	12 43	12 48	12 36	19 18	18 19	4 13
S 22	21 22	25 22	3 6	14 1	2 41	23 34	0 37	15 17	0 18	22 17	0 18	16 14	2 13	18 38	0 12	11 17	1 54	25 44	12 43	12 51	12 37	19 15	18 19	4 13
M23	21 33	21 35	2 0	14 14	2 38	23 43	0 39	15 31	0 18	22 18	0 18	16 13	2 13	18 39	0 12	11 17	1 54	25 44	12 43	12 52	12 38	19 13	18 18	4 13
T 24	21 43	16 32	0 47	14 29	2 34	23 51	0 42	15 44	0 17	22 20	0 18	16 12	2 13	18 39	0 12	11 16	1 54	25 43	12 43	12 53	12 39	19 10	18 17	4 13
W25	21 53	10 39	0n27	14 47	2 29	23 59	0 44	15 57	0 16	22 22	0 18	16 11	2 13	18 40	0 12	11 16	1 54	25 43	12 42	12 53	12 40	19 7	18 17	4 13
T 26	22 2	4 19	1 39	15 7	2 24	24 6	0 46	16 10	0 16	22 23	0 18	16 10	2 13	18 41	0 12	11 15	1 54	25 43	12 42	12 53	12 41	19 5	18 16	4 13
F 27	22 11	2n 7	2 45	15 28	2 18	24 12	0 48	16 23	0 15	22 25	0 18	16 9	2 13	18 42	0 12	11 15	1 54	25 42	12 42	12 53	12 42	19 2	18 16	4 14
S 28	22 19	8 22	3 40	15 51	2 12	24 18	0 50	16 36	0 15	22 27	0 18	16 8	2 12	18 43	0 12	11 15	1 54	25 42	12 42	12 54	12 43	18 59	18 15	4 14
S 29	22 27	14 9	4 22	16 14	2 5	24 22	0 52	16 48	0 14	22 28	0 18	16 7	2 12	18 44	0 12	11 14	1 54	25 41	12 41	12 56	12 44	18 57	18 15	4 14
M30	22s35	19n12	4n49	16s38	1n58	24s26	0s54	17s 1	0n13	22s30	0n18	16n 6	2s12	18s45	0n12	11n14	1s54	25s41	12s41	12s59	12s45	18n54	18n14	4s14

Julian Day Number = 2107796.5, Delta T = 20m07s
Ecliptic obliquity = 23°33'48, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°37'15, Lahiri = 10°44'16 Julian Calendar 1 Nov. 1058 == Greg. Calendar 7 Nov. 1058

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1058
geocentric

DECEMBER 1058 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 1 5	14♐52'23	22♉14	23♏53	28♐31	18♏30	15♐54	21°R23	24♏21	4°R17	23♒30	25°R36	26♒25	11♌ 4	12°R35	T 1
W 2	5 5 2	15°53'32	5♊ 4	25° 6	29°46	19°13	16° 8	21♉19	24°25	4♉16	23°31	25♒23	26°22	11°10	12♊31	W 2
T 3	5 8 58	16°54'41	17°42	26°21	1♑ 1	19°55	16°21	21°14	24°28	4°14	23°32	25°10	26°19	11°17	12°27	T 3
F 4	5 12 55	17°55'50	0♋ 7	27°38	2°17	20°37	16°35	21°10	24°32	4°13	23°33	24°58	26°15	11°24	12°24	F 4
S 5	5 16 51	18°57'00	12°20	28°57	3°32	21°19	16°49	21° 6	24°35	4°12	23°33	24°48	26°12	11°30	12°20	S 5
S 6	5 20 48	19°58'11	24°21	0♐17	4°47	22° 2	17° 3	21° 2	24°38	4°11	23°34	24°41	26° 9	11°37	12°16	S 6
M 7	5 24 45	20°59'21	6♌14	1°39	6° 2	22°44	17°16	20°58	24°42	4°10	23°35	24°37	26° 6	11°44	12°12	M 7
T 8	5 28 41	22° 0'32	18° 2	3° 1	7°17	23°26	17°30	20°54	24°45	4° 9	23°36	24°35	26° 3	11°50	12° 9	T 8
W 9	5 32 38	23° 1'44	29°48	4°25	8°33	24° 9	17°44	20°50	24°49	4° 8	23°37	24°D35	26° 0	11°57	12° 5	W 9
T 10	5 36 34	24° 2'56	11♍38	5°49	9°48	24°51	17°58	20°47	24°52	4° 7	23°38	24°35	25°56	12° 4	12° 2	T 10
F 11	5 40 31	25° 4'08	23°38	7°14	11° 3	25°34	18°12	20°43	24°55	4° 6	23°39	24°R36	25°53	12°10	11°58	F 11
S 12	5 44 27	26° 5'20	5♎52	8°40	12°18	26°16	18°25	20°40	24°59	4° 5	23°40	24°35	25°50	12°17	11°54	S 12
S 13	5 48 24	27° 6'33	18°25	10° 7	13°33	26°59	18°39	20°36	25° 2	4° 4	23°41	24°33	25°47	12°24	11°51	S 13
M14	5 52 20	28° 7'46	1♏23	11°35	14°49	27°42	18°53	20°33	25° 5	4° 3	23°42	24°28	25°44	12°30	11°47	M14
T 15	5 56 17	29° 9'00	14°49	13° 2	16° 4	28°24	19° 6	20°29	25° 8	4° 3	23°43	24°21	25°41	12°37	11°44	T 15
W16	6 0 14	0♑10'13	28°42	14°31	17°19	29° 7	19°20	20°26	25°12	4° 2	23°44	24°13	25°37	12°43	11°40	W16
T 17	6 4 10	1°11'27	13♐ 1	16° 0	18°34	29°50	19°34	20°23	25°15	4° 1	23°45	24° 4	25°34	12°50	11°37	T 17
F 18	6 8 7	2°12'40	27°41	17°30	19°49	0♐33	19°47	20°20	25°18	4° 0	23°46	23°55	25°31	12°57	11°33	F 18
S 19	6 12 3	3°13'54	12♑34	19° 0	21° 4	1°15	20° 1	20°17	25°21	4° 0	23°47	23°48	25°28	13° 3	11°30	S 19
S 20	6 16 0	4°15'07	27°32	20°30	22°19	1°58	20°15	20°14	25°24	3°59	23°48	23°43	25°25	13°10	11°27	S 20
M21	6 19 56	5°16'20	12♒26	22° 1	23°34	2°41	20°28	20°11	25°27	3°58	23°50	23°40	25°22	13°17	11°23	M21
T 22	6 23 53	6°17'32	27° 8	23°33	24°49	3°24	20°42	20° 9	25°30	3°58	23°51	23°D40	25°18	13°23	11°20	T 22
W23	6 27 50	7°18'43	11♓35	25° 5	26° 5	4° 7	20°55	20° 6	25°33	3°57	23°52	23°41	25°15	13°30	11°17	W23
T 24	6 31 46	8°19'54	25°42	26°37	27°20	4°50	21° 9	20° 4	25°36	3°57	23°53	23°42	25°12	13°37	11°14	T 24
F 25	6 35 43	9°21'04	9♈30	28°10	28°35	5°33	21°22	20° 1	25°39	3°56	23°55	23°R42	25° 9	13°43	11°10	F 25
S 26	6 39 39	10°22'13	22°59	29°43	29°50	6°16	21°36	19°59	25°42	3°56	23°56	23°42	25° 6	13°50	11° 7	S 26
S 27	6 43 36	11°23'21	6♉10	1♑17	1♒ 5	6°59	21°49	19°57	25°45	3°55	23°57	23°39	25° 2	13°57	11° 4	S 27
M28	6 47 32	12°24'29	19° 7	2°51	2°19	7°42	22° 3	19°55	25°48	3°55	23°58	23°34	24°59	14° 3	11° 1	M28
T 29	6 51 29	13°25'35	1♊50	4°26	3°34	8°25	22°16	19°53	25°51	3°54	24° 0	23°28	24°56	14°10	10°58	T 29
W30	6 55 25	14°26'41	14°21	6° 2	4°49	9° 9	22°29	19°51	25°53	3°54	24° 1	23°20	24°53	14°17	10°55	W30
T 31	6 59 22	15♑27'47	26♊40	7♑38	6♒ 4	9♐52	22♐43	19♉49	25♏56	3♉54	24♒ 2	23♒13	24♒50	14♌23	10♊52	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s42	23n16	5n 1	17s 3	1n51	24s30	0s56	17s13	0n13	22s31	0n17	16n 5	2s12	18s46	0n12	11n13	1s54	25s40	12s41	13s 3	12s47	18n51	18n13	4s14
W 2	22 49	26 8	4 57	17 28	1 43	24 32	0 58	17 25	0 12	22 33	0 17	16 4	2 12	18 47	0 12	11 13	1 54	25 40	12 41	13 8	12 48	18 49	18 13	4 14
T 3	22 55	27 37	4 39	17 53	1 36	24 34	1 0	17 37	0 12	22 34	0 17	16 3	2 12	18 47	0 12	11 13	1 54	25 39	12 40	13 12	12 49	18 46	18 12	4 14
F 4	23 1	27 41	4 8	18 18	1 28	24 35	1 2	17 49	0 11	22 36	0 17	16 2	2 11	18 48	0 12	11 12	1 54	25 39	12 40	13 16	12 50	18 43	18 12	4 14
S 5	23 6	26 23	3 25	18 43	1 20	24 35	1 4	18 1	0 10	22 37	0 17	16 1	2 11	18 49	0 12	11 12	1 54	25 38	12 40	13 19	12 51	18 41	18 11	4 14
S 6	23 11	23 53	2 34	19 8	1 12	24 35	1 6	18 13	0 10	22 39	0 17	16 0	2 11	18 50	0 12	11 12	1 54	25 38	12 40	13 22	12 52	18 38	18 11	4 14
M 7	23 15	20 22	1 36	19 33	1 4	24 33	1 8	18 24	0 9	22 40	0 17	15 59	2 11	18 51	0 12	11 11	1 54	25 37	12 39	13 23	12 53	18 35	18 10	4 14
T 8	23 19	16 4	0 35	19 57	0 57	24 31	1 10	18 36	0 8	22 42	0 17	15 59	2 11	18 52	0 12	11 11	1 54	25 36	12 39	13 24	12 54	18 33	18 10	4 15
W 9	23 23	11 10	0s28	20 20	0 49	24 28	1 11	18 47	0 8	22 43	0 17	15 58	2 10	18 52	0 12	11 11	1 54	25 36	12 39	13 24	12 55	18 30	18 9	4 15
T 10	23 26	5 51	1 30	20 43	0 41	24 25	1 13	18 58	0 7	22 44	0 17	15 57	2 10	18 53	0 12	11 11	1 54	25 35	12 39	13 24	12 56	18 27	18 9	4 15
F 11	23 28	0 16	2 29	21 5	0 33	24 20	1 14	19 9	0 7	22 46	0 17	15 56	2 10	18 54	0 12	11 10	1 54	25 35	12 38	13 23	12 57	18 24	18 8	4 15
S 12	23 30	5s26	3 23	21 27	0 25	24 15	1 16	19 19	0 6	22 47	0 16	15 56	2 10	18 55	0 12	11 10	1 53	25 34	12 38	13 24	12 58	18 22	18 8	4 15
S 13	23 32	11 4	4 8	21 47	0 18	24 9	1 18	19 30	0 5	22 48	0 16	15 55	2 9	18 56	0 12	11 10	1 53	25 34	12 38	13 24	12 59	18 19	18 7	4 15
M14	23 33	16 25	4 42	22 7	0 10	24 3	1 19	19 40	0 5	22 49	0 16	15 54	2 9	18 57	0 12	11 10	1 53	25 33	12 38	13 26	13 1	18 16	18 7	4 15
T 15	23 34	21 10	5 2	22 26	0 3	23 55	1 20	19 51	0 4	22 51	0 16	15 53	2 9	18 57	0 12	11 9	1 53	25 33	12 37	13 28	13 2	18 14	18 6	4 15
W16	23 34	24 56	5 5	22 44	0s 5	23 47	1 22	20 1	0 3	22 52	0 16	15 53	2 9	18 58	0 12	11 9	1 53	25 32	12 37	13 31	13 3	18 11	18 6	4 15
T 17	23 33	27 16	4 50	23 1	0 12	23 38	1 23	20 11	0 3	22 53	0 16	15 52	2 9	18 59	0 12	11 9	1 53	25 31	12 37	13 34	13 4	18 8	18 5	4 15
F 18	23 33	27 48	4 15	23 17	0 19	23 29	1 24	20 20	0 2	22 54	0 16	15 52	2 8	19 0	0 12	11 9	1 53	25 31	12 37	13 37	13 5	18 5	18 5	4 15
S 19	23 31	26 20	3 23	23 32	0 26	23 18	1 25	20 30	0 1	22 55	0 16	15 51	2 8	19 0	0 12	11 9	1 53	25 30	12 37	13 39	13 6	18 3	18 4	4 15
S 20	23 30	22 59	2 16	23 46	0 33	23 8	1 26	20 39	0 1	22 56	0 16	15 51	2 8	19 1	0 12	11 8	1 53	25 30	12 36	13 41	13 7	18 0	18 4	4 15
M21	23 27	18 7	1 0	23 58	0 39	22 56	1 28	20 48	0s 0	22 57	0 16	15 50	2 8	19 2	0 12	11 8	1 53	25 29	12 36	13 42	13 8	17 57	18 3	4 15
T 22	23 25	12 14	0n19	24 10	0 46	22 43	1 29	20 57	0 1	22 59	0 16	15 50	2 7	19 3	0 12	11 8	1 53	25 29	12 36	13 42	13 9	17 54	18 3	4 15
W23	23 22	5 47	1 35	24 20	0 52	22 30	1 29	21 6	0 1	23 0	0 16	15 49	2 7	19 3	0 12	11 8	1 53	25 28	12 36	13 42	13 10	17 52	18 3	4 15
T 24	23 18	0n48	2 45	24 29	0 58	22 17	1 30	21 15	0 2	23 1	0 15	15 49	2 7	19 4	0 12	11 8	1 53	25 27	12 36	13 41	13 11	17 49	18 2	4 15
F 25	23 14	7 11	3 42	24 37	1 4	22 2	1 31	21 23	0 3	23 2	0 15	15 48	2 7	19 5	0 12	11 8	1 53	25 27	12 36	13 41	13 12	17 46	18 2	4 14
S 26	23 9	13 6	4 27	24 43	1 9	21 47	1 32	21 32	0 4	23 2	0 15	15 48	2 6	19 5	0 12	11 8	1 53	25 26	12 35	13 42	13 13	17 43	18 2	4 14
S 27	23 4	18 17	4 56	24 48	1 15	21 32	1 32	21 40	0 4	23 3	0 15	15 48	2 6	19 6	0 12	11 7	1 53	25 26	12 35	13 42	13 15	17 41	18 1	4 14
M28	22 59	22 32	5 9	24 52	1 20	21 15	1 33	21 47	0 5	23 4	0 15	15 47	2 6	19 7	0 12	11 7	1 53	25 25	12 35	13 44	13 16	17 38	18 1	4 14
T 29	22 53	25 38	5 6	24 54	1 25	20 58	1 34	21 55	0 6	23 5	0 15	15 47	2 5	19 7	0 12	11 7	1 52	25 24	12 35	13 46	13 17	17 35	18 1	4 14
W30	22 47	27 26	4 49	24 55	1 30	20 41	1 34	22 2	0 6	23 6	0 15	15 47	2 5	19 8	0 12	11 7	1 52	25 24	12 35	13 49	13 18	17 32	18 0	4 14
T 31	22s40	27n50	4n19	24s54	1s34	20s23	1s34	22s10	0s 7	23s 7	0n15	15n47	2s 5	19s 9	0n12	11n 7	1s52	25s23	12s35	13s51	13s19	17n30	18n 0	4s14

Julian Day Number = 2107826.5, Delta T = 20m07s
Ecliptic obliquity = 23°33'48, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°37'19, Lahiri = 10°44'20 Julian Calendar 1 Dec. 1058 == Greg. Calendar 7 Dec. 1058

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1059
geocentric

JANUARY 1059 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 3 19	16♉28'51	8♋51	9♉14	7♒19	10♐35	22♐56	19°R48	25♏59	3°R53	24♒ 4	23°R 6	24♒47	14♌30	10°R50	F 1
S 2	7 7 15	17°29'55	20°52	10°51	8°34	11°18	23° 9	19♉46	26° 1	3♉53	24° 5	23♒ 1	24°43	14°37	10♊47	S 2
S 3	7 11 12	18°30'58	2♌47	12°29	9°49	12° 2	23°22	19°45	26° 4	3°53	24° 6	22°57	24°40	14°43	10°44	S 3
M 4	7 15 8	19°32'00	14°37	14° 7	11° 4	12°45	23°35	19°44	26° 7	3°53	24° 8	22°55	24°37	14°50	10°41	M 4
T 5	7 19 5	20°33'01	26°24	15°46	12°18	13°29	23°48	19°42	26° 9	3°53	24° 9	22°D55	24°34	14°56	10°39	T 5
W 6	7 23 1	21°34'02	8♍11	17°25	13°33	14°12	24° 1	19°41	26°12	3°53	24°11	22°56	24°31	15° 3	10°36	W 6
T 7	7 26 58	22°35'01	20° 2	19° 5	14°48	14°56	24°14	19°40	26°14	3°53	24°12	22°57	24°27	15°10	10°34	T 7
F 8	7 30 54	23°36'00	2♎ 2	20°46	16° 3	15°39	24°27	19°39	26°17	3°D53	24°14	22°59	24°24	15°16	10°31	F 8
S 9	7 34 51	24°36'59	14°14	22°27	17°17	16°23	24°40	19°39	26°19	3°53	24°15	23° 1	24°21	15°23	10°29	S 9
S 10	7 38 48	25°37'56	26°44	24°10	18°32	17° 6	24°53	19°38	26°21	3°53	24°16	23°R 1	24°18	15°30	10°27	S 10
M11	7 42 44	26°38'53	9♏36	25°52	19°47	17°50	25° 6	19°38	26°23	3°53	24°18	23° 0	24°15	15°36	10°25	M11
T 12	7 46 41	27°39'49	22°54	27°36	21° 1	18°33	25°19	19°37	26°26	3°53	24°19	22°58	24°12	15°43	10°22	T 12
W13	7 50 37	28°40'45	6♐40	29°20	22°16	19°17	25°31	19°37	26°28	3°53	24°21	22°56	24° 8	15°50	10°20	W13
T 14	7 54 34	29°41'39	20°54	1♒ 5	23°30	20° 1	25°44	19°37	26°30	3°53	24°22	22°52	24° 5	15°56	10°18	T 14
F 15	7 58 30	0♒42'33	5♑34	2°50	24°45	20°45	25°57	19°D37	26°32	3°53	24°24	22°49	24° 2	16° 3	10°16	F 15
S 16	8 2 27	1°43'25	20°33	4°36	25°59	21°28	26° 9	19°37	26°34	3°54	24°26	22°46	23°59	16°10	10°14	S 16
S 17	8 6 23	2°44'16	5♒43	6°23	27°14	22°12	26°22	19°37	26°36	3°54	24°27	22°44	23°56	16°16	10°13	S 17
M18	8 10 20	3°45'06	20°55	8°11	28°28	22°56	26°34	19°37	26°38	3°54	24°29	22°D44	23°53	16°23	10°11	M18
T 19	8 14 17	4°45'55	5♓58	9°59	29°43	23°40	26°46	19°38	26°40	3°55	24°30	22°44	23°49	16°30	10° 9	T 19
W20	8 18 13	5°46'42	20°46	11°47	0♈57	24°24	26°58	19°38	26°42	3°55	24°32	22°45	23°46	16°36	10° 8	W20
T 21	8 22 10	6°47'27	5♈11	13°36	2°11	25° 8	27°11	19°39	26°44	3°55	24°33	22°46	23°43	16°43	10° 6	T 21
F 22	8 26 6	7°48'10	19°12	15°25	3°26	25°52	27°23	19°40	26°46	3°56	24°35	22°48	23°40	16°49	10° 5	F 22
S 23	8 30 3	8°48'52	2♉48	17°14	4°40	26°36	27°35	19°40	26°47	3°56	24°37	22°R48	23°37	16°56	10° 3	S 23
S 24	8 33 59	9°49'32	16° 0	19° 4	5°54	27°20	27°47	19°41	26°49	3°57	24°38	22°48	23°33	17° 3	10° 2	S 24
M25	8 37 56	10°50'11	28°51	20°53	7° 8	28° 4	27°59	19°43	26°51	3°57	24°40	22°48	23°30	17° 9	10° 1	M25
T 26	8 41 52	11°50'47	11♊25	22°42	8°22	28°48	28°11	19°44	26°52	3°58	24°41	22°46	23°27	17°16	10° 0	T 26
W27	8 45 49	12°51'22	23°43	24°30	9°37	29°32	28°22	19°45	26°54	3°59	24°43	22°45	23°24	17°23	9°59	W27
T 28	8 49 46	13°51'55	5♋50	26°18	10°51	0♉16	28°34	19°46	26°55	3°59	24°45	22°44	23°21	17°29	9°58	T 28
F 29	8 53 42	14°52'27	17°49	28° 4	12° 5	1° 0	28°46	19°48	26°57	4° 0	24°46	22°42	23°18	17°36	9°57	F 29
S 30	8 57 39	15°52'56	29°42	29°49	13°19	1°44	28°57	19°50	26°58	4° 1	24°48	22°42	23°14	17°43	9°56	S 30
S 31	9 1 35	16♒53'24	11♌31	1♓32	14♓33	2♉29	29♐ 8	19♉51	27♏ 0	4♉ 1	24♒49	22♒41	23♒11	17♌49	9♊55	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s32	26n53	3n37	24s52	1s38	20s 4	1s35	22s17	0s 8	23s 8	0n15	15n47	2s 5	19s 9	0n12	11n 7	1s52	25s22	12s34	13s53	13s20	17n27	18n 0	4s14
S 2	22 25	24 40	2 46	24 49	1 42	19 45	1 35	22 24	0 9	23 8	0 15	15 46	2 4	19 10	0 12	11 7	1 52	25 22	12 34	13 55	13 21	17 24	17 59	4 14
S 3	22 17	21 23	1 48	24 44	1 46	19 25	1 35	22 30	0 9	23 9	0 15	15 46	2 4	19 11	0 12	11 7	1 52	25 21	12 34	13 56	13 22	17 21	17 59	4 14
M 4	22 8	17 15	0 45	24 37	1 49	19 4	1 35	22 37	0 10	23 10	0 15	15 46	2 4	19 11	0 12	11 7	1 52	25 21	12 34	13 57	13 23	17 18	17 59	4 14
T 5	21 59	12 29	0s19	24 29	1 52	18 43	1 35	22 43	0 11	23 11	0 14	15 46	2 4	19 12	0 12	11 7	1 52	25 20	12 34	13 57	13 24	17 16	17 59	4 14
W 6	21 50	7 16	1 23	24 19	1 55	18 22	1 35	22 49	0 11	23 11	0 14	15 46	2 3	19 12	0 12	11 7	1 52	25 19	12 34	13 57	13 25	17 13	17 58	4 13
T 7	21 40	1 46	2 23	24 8	1 57	18 0	1 35	22 55	0 12	23 12	0 14	15 46	2 3	19 13	0 12	11 7	1 52	25 19	12 34	13 56	13 26	17 10	17 58	4 13
F 8	21 29	3s51	3 19	23 55	1 59	17 37	1 35	23 0	0 13	23 13	0 14	15 46	2 3	19 14	0 12	11 7	1 52	25 18	12 33	13 56	13 27	17 7	17 58	4 13
S 9	21 19	9 24	4 6	23 40	2 1	17 14	1 35	23 5	0 14	23 13	0 14	15 46	2 2	19 14	0 12	11 7	1 52	25 18	12 33	13 55	13 28	17 4	17 58	4 13
S 10	21 8	14 44	4 42	23 24	2 2	16 51	1 35	23 10	0 14	23 14	0 14	15 46	2 2	19 15	0 12	11 7	1 52	25 17	12 33	13 55	13 29	17 2	17 57	4 13
M11	20 56	19 36	5 6	23 6	2 3	16 27	1 34	23 15	0 15	23 14	0 14	15 47	2 2	19 15	0 12	11 8	1 52	25 16	12 33	13 55	13 30	16 59	17 57	4 13
T 12	20 44	23 40	5 15	22 46	2 4	16 3	1 34	23 20	0 16	23 15	0 14	15 47	2 2	19 16	0 12	11 8	1 52	25 16	12 33	13 56	13 32	16 56	17 57	4 13
W13	20 32	26 33	5 6	22 25	2 4	15 38	1 33	23 24	0 17	23 15	0 14	15 47	2 1	19 16	0 12	11 8	1 52	25 15	12 33	13 57	13 33	16 53	17 57	4 12
T 14	20 19	27 52	4 38	22 1	2 3	15 13	1 33	23 29	0 17	23 16	0 14	15 47	2 1	19 17	0 12	11 8	1 51	25 14	12 33	13 58	13 34	16 50	17 57	4 12
F 15	20 6	27 18	3 52	21 37	2 2	14 47	1 32	23 33	0 18	23 16	0 14	15 47	2 1	19 17	0 12	11 8	1 51	25 14	12 33	13 59	13 35	16 48	17 57	4 12
S 16	19 53	24 45	2 49	21 10	2 1	14 21	1 31	23 36	0 19	23 17	0 14	15 48	2 0	19 18	0 12	11 8	1 51	25 13	12 33	14 0	13 36	16 45	17 57	4 12
S 17	19 39	20 26	1 33	20 42	1 59	13 55	1 30	23 40	0 20	23 17	0 13	15 48	2 0	19 18	0 12	11 8	1 51	25 13	12 33	14 0	13 37	16 42	17 57	4 12
M18	19 25	14 45	0 10	20 12	1 57	13 28	1 30	23 43	0 21	23 18	0 13	15 48	2 0	19 19	0 12	11 8	1 51	25 12	12 32	14 1	13 38	16 39	17 56	4 12
T 19	19 10	8 15	1n13	19 40	1 54	13 1	1 29	23 46	0 21	23 18	0 13	15 49	2 0	19 19	0 12	11 9	1 51	25 11	12 32	14 0	13 39	16 36	17 56	4 11
W20	18 55	1 24	2 29	19 6	1 50	12 33	1 28	23 49	0 22	23 18	0 13	15 49	1 59	19 20	0 12	11 9	1 51	25 11	12 32	14 0	13 40	16 33	17 56	4 11
T 21	18 40	5n21	3 34	18 31	1 46	12 6	1 26	23 51	0 23	23 19	0 13	15 50	1 59	19 20	0 12	11 9	1 51	25 10	12 32	14 0	13 41	16 30	17 56	4 11
F 22	18 25	11 37	4 24	17 55	1 41	11 37	1 25	23 54	0 24	23 19	0 13	15 50	1 59	19 20	0 12	11 9	1 51	25 10	12 32	13 59	13 42	16 28	17 56	4 11
S 23	18 9	17 10	4 58	17 16	1 36	11 9	1 24	23 56	0 24	23 19	0 13	15 51	1 58	19 21	0 12	11 9	1 51	25 9	12 32	13 59	13 43	16 25	17 56	4 11
S 24	17 53	21 44	5 15	16 37	1 30	10 40	1 23	23 57	0 25	23 20	0 13	15 51	1 58	19 21	0 12	11 10	1 51	25 8	12 32	13 59	13 44	16 22	17 56	4 11
M25	17 36	25 8	5 15	15 56	1 24	10 12	1 21	23 59	0 26	23 20	0 13	15 52	1 58	19 22	0 12	11 10	1 51	25 8	12 32	13 59	13 45	16 19	17 56	4 10
T 26	17 20	27 13	5 0	15 13	1 16	9 42	1 20	24 0	0 27	23 20	0 13	15 52	1 58	19 22	0 12	11 10	1 51	25 7	12 32	14 0	13 46	16 16	17 56	4 10
W27	17 2	27 57	4 32	14 29	1 8	9 13	1 18	24 1	0 28	23 20	0 13	15 53	1 57	19 22	0 12	11 11	1 51	25 7	12 32	14 0	13 47	16 13	17 56	4 10
T 28	16 45	27 18	3 52	13 45	0 59	8 43	1 17	24 2	0 28	23 21	0 13	15 54	1 57	19 23	0 12	11 11	1 51	25 6	12 32	14 1	13 48	16 10	17 56	4 10
F 29	16 27	25 22	3 2	12 59	0 50	8 13	1 15	24 3	0 29	23 21	0 13	15 54	1 57	19 23	0 12	11 11	1 50	25 5	12 32	14 1	13 49	16 8	17 56	4 10
S 30	16 9	22 21	2 4	12 13	0 40	7 43	1 13	24 3	0 30	23 21	0 12	15 55	1 56	19 23	0 12	11 11	1 50	25 5	12 32	14 1	13 50	16 5	17 57	4 9
S 31	15s51	18n24	1n 2	11s26	0s29	7s13	1s12	24s 3	0s31	23s21	0n12	15n56	1s56	19s24	0n12	11n12	1s50	25s 4	12s32	14s 1	13s52	16n 2	17n57	4s 9

Julian Day Number = 2107857.5, Delta T = 20m06s
Ecliptic obliquity = 23°33'47, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°37'24, Lahiri = 10°44'24 Julian Calendar 1 Jan. 1059 == Greg. Calendar 7 Jan. 1059

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1059
geocentric

FEBRUARY 1059 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 5 32	17♒53'50	23♌18	3♓12	15♓46	3♏13	29♐20	19♉53	27♏ 1	4♉ 2	24♒51	22°D41	23♒ 8	17♌56	9°R54	M 1
T 2	9 9 28	18°54'15	5♍ 7	4°50	17° 0	3°57	29°31	19°55	27° 2	4° 3	24°53	22♒41	23° 5	18° 3	9♊54	T 2
W 3	9 13 25	19°54'38	16°58	6°24	18°14	4°42	29°42	19°57	27° 3	4° 4	24°54	22°41	23° 2	18° 9	9°53	W 3
T 4	9 17 21	20°54'59	28°55	7°54	19°28	5°26	29°53	20° 0	27° 4	4° 5	24°56	22°42	22°59	18°16	9°53	T 4
F 5	9 21 18	21°55'19	11♎ 0	9°19	20°41	6°10	0♐ 4	20° 2	27° 5	4° 6	24°58	22°42	22°55	18°23	9°52	F 5
S 6	9 25 15	22°55'37	23°17	10°39	21°55	6°55	0°15	20° 4	27° 6	4° 7	24°59	22°R42	22°52	18°29	9°52	S 6
S 7	9 29 11	23°55'53	5♏48	11°53	23° 9	7°39	0°26	20° 7	27° 7	4° 8	25° 1	22°42	22°49	18°36	9°52	S 7
M 8	9 33 8	24°56'08	18°38	13° 1	24°22	8°23	0°37	20° 9	27° 8	4° 9	25° 3	22°D42	22°46	18°42	9°52	M 8
T 9	9 37 4	25°56'22	1♐49	14° 2	25°36	9° 8	0°47	20°12	27° 9	4°10	25° 4	22°42	22°43	18°49	9°D52	T 9
W10	9 41 1	26°56'34	15°24	14°54	26°49	9°52	0°58	20°15	27°10	4°11	25° 6	22°42	22°39	18°56	9°52	W10
T 11	9 44 57	27°56'44	29°25	15°39	28° 2	10°37	1° 8	20°18	27°11	4°12	25° 8	22°42	22°36	19° 2	9°52	T 11
F 12	9 48 54	28°56'53	13♑50	16°15	29°16	11°22	1°19	20°21	27°11	4°13	25° 9	22°43	22°33	19° 9	9°52	F 12
S 13	9 52 50	29°57'01	28°37	16°42	0♈29	12° 6	1°29	20°24	27°12	4°14	25°11	22°43	22°30	19°16	9°52	S 13
S 14	9 56 47	0♓57'06	13♒41	17° 0	1°42	12°51	1°39	20°27	27°13	4°15	25°13	22°44	22°27	19°22	9°53	S 14
M15	10 0 44	1°57'10	28°52	17°R 9	2°55	13°35	1°49	20°31	27°13	4°17	25°14	22°R44	22°24	19°29	9°53	M15
T 16	10 4 40	2°57'11	14♓ 2	17° 9	4° 9	14°20	1°59	20°34	27°14	4°18	25°16	22°43	22°20	19°36	9°54	T 16
W17	10 8 37	3°57'11	29° 0	17° 0	5°22	15° 5	2° 9	20°38	27°14	4°19	25°17	22°42	22°17	19°42	9°54	W17
T 18	10 12 33	4°57'08	13♈40	16°42	6°35	15°49	2°18	20°41	27°15	4°21	25°19	22°41	22°14	19°49	9°55	T 18
F 19	10 16 30	5°57'04	27°55	16°16	7°47	16°34	2°28	20°45	27°15	4°22	25°21	22°39	22°11	19°56	9°56	F 19
S 20	10 20 26	6°56'57	11♉43	15°43	9° 0	17°19	2°37	20°49	27°15	4°23	25°22	22°38	22° 8	20° 2	9°57	S 20
S 21	10 24 23	7°56'48	25° 3	15° 3	10°13	18° 4	2°47	20°53	27°15	4°25	25°24	22°37	22° 5	20° 9	9°58	S 21
M22	10 28 19	8°56'36	7♊58	14°17	11°26	18°48	2°56	20°57	27°16	4°26	25°26	22°D36	22° 1	20°15	9°59	M22
T 23	10 32 16	9°56'23	20°31	13°27	12°39	19°33	3° 5	21° 1	27°16	4°28	25°27	22°36	21°58	20°22	10° 0	T 23
W24	10 36 13	10°56'07	2♋45	12°33	13°51	20°18	3°14	21° 5	27°16	4°29	25°29	22°37	21°55	20°29	10° 1	W24
T 25	10 40 9	11°55'48	14°47	11°38	15° 4	21° 3	3°23	21° 9	27°R16	4°31	25°30	22°39	21°52	20°35	10° 2	T 25
F 26	10 44 6	12°55'28	26°40	10°41	16°16	21°48	3°32	21°14	27°16	4°32	25°32	22°41	21°49	20°42	10° 3	F 26
S 27	10 48 2	13°55'05	8♌28	9°45	17°28	22°32	3°40	21°18	27°16	4°34	25°34	22°42	21°45	20°49	10° 5	S 27
S 28	10 51 59	14♓54'40	20♌14	8♓51	18♈41	23♏17	3♏49	21♉23	27♏15	4♉35	25♒35	22°R43	21♒42	20♌55	10♊ 6	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	15s33	13n46	0s 3	10s39	0s17	6s42	1s10	24s 3	0s32	23s21	0n12	15n57	1s56	19s24	0n12	11n12	1s50	25s 4	12s32	14s 2	13s53	15n59	17n57	4s 9	M 1
T 2	15 14	8 37	1 9	9 52	0 5	6 12	1 8	24 3	0 32	23 22	0 12	15 57	1 56	19 24	0 12	11 12	1 50	25 3	12 32	14 1	13 54	15 56	17 57	4 9	T 2
W 3	14 55	3 10	2 11	9 5	0n 8	5 41	1 6	24 2	0 33	23 22	0 12	15 58	1 55	19 24	0 12	11 13	1 50	25 2	12 32	14 1	13 55	15 53	17 57	4 9	W 3
T 4	14 36	2s27	3 8	8 20	0 21	5 10	1 4	24 1	0 34	23 22	0 12	15 59	1 55	19 25	0 12	11 13	1 50	25 2	12 32	14 1	13 56	15 50	17 57	4 8	T 4
F 5	14 16	8 1	3 58	7 35	0 35	4 39	1 2	24 0	0 35	23 22	0 12	16 0	1 55	19 25	0 12	11 13	1 50	25 1	12 32	14 1	13 57	15 47	17 57	4 8	F 5
S 6	13 57	13 22	4 37	6 51	0 49	4 8	0 59	23 59	0 36	23 22	0 12	16 1	1 54	19 25	0 12	11 14	1 50	25 1	12 32	14 1	13 58	15 44	17 57	4 8	S 6
S 7	13 37	18 18	5 4	6 9	1 4	3 37	0 57	23 57	0 37	23 22	0 12	16 2	1 54	19 25	0 12	11 14	1 50	25 0	12 32	14 1	13 59	15 41	17 58	4 8	S 7
M 8	13 17	22 32	5 17	5 30	1 18	3 5	0 55	23 55	0 37	23 22	0 12	16 3	1 54	19 26	0 12	11 15	1 50	25 0	12 32	14 1	14 0	15 39	17 58	4 8	M 8
T 9	12 56	25 45	5 14	4 53	1 33	2 34	0 53	23 53	0 38	23 22	0 12	16 4	1 54	19 26	0 12	11 15	1 50	24 59	12 32	14 1	14 1	15 36	17 58	4 7	T 9
W10	12 36	27 37	4 53	4 19	1 48	2 2	0 50	23 51	0 39	23 22	0 12	16 5	1 53	19 26	0 12	11 15	1 50	24 59	12 32	14 1	14 2	15 33	17 58	4 7	W10
T 11	12 15	27 49	4 15	3 48	2 3	1 31	0 48	23 48	0 40	23 22	0 12	16 6	1 53	19 26	0 12	11 16	1 50	24 58	12 32	14 1	14 3	15 30	17 58	4 7	T 11
F 12	11 54	26 9	3 20	3 21	2 17	0 59	0 45	23 45	0 41	23 22	0 11	16 7	1 53	19 26	0 12	11 16	1 50	24 57	12 32	14 1	14 4	15 27	17 59	4 7	F 12
S 13	11 33	22 40	2 10	2 58	2 31	0 27	0 43	23 42	0 42	23 22	0 11	16 8	1 53	19 26	0 12	11 17	1 50	24 57	12 32	14 1	14 5	15 24	17 59	4 6	S 13
S 14	11 12	17 36	0 50	2 39	2 44	0n 4	0 40	23 39	0 42	23 22	0 11	16 9	1 52	19 27	0 12	11 17	1 49	24 56	12 32	14 1	14 6	15 21	17 59	4 6	S 14
M15	10 50	11 24	0n34	2 24	2 56	0 36	0 37	23 35	0 43	23 22	0 11	16 10	1 52	19 27	0 12	11 18	1 49	24 56	12 32	14 1	14 7	15 18	18 0	4 6	M15
T 16	10 28	4 32	1 56	2 14	3 7	1 8	0 35	23 31	0 44	23 22	0 11	16 11	1 52	19 27	0 12	11 18	1 49	24 55	12 33	14 1	14 8	15 15	18 0	4 6	T 16
W17	10 7	2n29	3 8	2 8	3 17	1 39	0 32	23 27	0 45	23 22	0 11	16 13	1 51	19 27	0 12	11 19	1 49	24 55	12 33	14 1	14 9	15 12	18 0	4 6	W17
T 18	9 45	9 12	4 7	2 7	3 25	2 11	0 29	23 23	0 46	23 22	0 11	16 14	1 51	19 27	0 12	11 19	1 49	24 54	12 33	14 2	14 10	15 9	18 0	4 5	T 18
F 19	9 23	15 16	4 48	2 11	3 32	2 42	0 26	23 18	0 47	23 22	0 11	16 15	1 51	19 27	0 12	11 20	1 49	24 54	12 33	14 2	14 11	15 6	18 1	4 5	F 19
S 20	9 0	20 21	5 11	2 19	3 37	3 14	0 23	23 13	0 47	23 21	0 11	16 16	1 51	19 27	0 12	11 20	1 49	24 53	12 33	14 3	14 12	15 3	18 1	4 5	S 20
S 21	8 38	24 14	5 17	2 32	3 41	3 45	0 20	23 8	0 48	23 21	0 11	16 18	1 50	19 27	0 12	11 21	1 49	24 53	12 33	14 3	14 13	15 0	18 1	4 5	S 21
M22	8 15	26 46	5 6	2 48	3 42	4 17	0 17	23 3	0 49	23 21	0 11	16 19	1 50	19 27	0 12	11 21	1 49	24 52	12 33	14 3	14 14	14 58	18 2	4 4	M22
T 23	7 53	27 53	4 40	3 8	3 41	4 48	0 14	22 57	0 50	23 21	0 11	16 20	1 50	19 27	0 12	11 22	1 49	24 52	12 33	14 3	14 15	14 55	18 2	4 4	T 23
W24	7 30	27 34	4 2	3 31	3 38	5 19	0 11	22 51	0 51	23 21	0 10	16 22	1 50	19 27	0 12	11 22	1 49	24 52	12 33	14 3	14 16	14 52	18 3	4 4	W24
T 25	7 7	25 58	3 15	3 57	3 34	5 50	0 8	22 45	0 52	23 21	0 10	16 23	1 49	19 27	0 12	11 23	1 49	24 51	12 33	14 2	14 18	14 49	18 3	4 4	T 25
F 26	6 44	23 12	2 19	4 24	3 27	6 21	0 5	22 39	0 53	23 21	0 10	16 24	1 49	19 27	0 12	11 23	1 49	24 51	12 34	14 2	14 19	14 46	18 3	4 4	F 26
S 27	6 21	19 30	1 18	4 53	3 19	6 52	0 2	22 33	0 53	23 21	0 10	16 26	1 49	19 27	0 12	11 24	1 49	24 50	12 34	14 1	14 20	14 43	18 4	4 3	S 27
S 28	5s58	15n 2	0n14	5s22	3n 9	7n23	0n 1	22s26	0s54	23s20	0n10	16n27	1s49	19s27	0n12	11n25	1s49	24s50	12s34	14s 1	14s21	14n40	18n 4	4s 3	S 28

Julian Day Number = 2107888.5, Delta T = 20m06s
Ecliptic obliquity = 23°33'48, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°37'28, Lahiri = 10°44'28 Julian Calendar 1 Feb. 1059 == Greg. Calendar 7 Feb. 1059

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1059
geocentric

MARCH 1059 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 55 55	15♓54'13	2♍ 3	7°R59	19♈53	24♉ 2	3♉57	21♉27	27°R15	4♉37	25♒37	22°R42	21♒39	21♌ 2	10♊ 8	M 1
T 2	10 59 52	16°53'43	13°56	7♓10	21° 5	24°47	4° 5	21°32	27♏15	4°38	25°38	22♒41	21°36	21° 9	10° 9	T 2
W 3	11 3 48	17°53'12	25°55	6°26	22°17	25°32	4°13	21°37	27°15	4°40	25°40	22°38	21°33	21°15	10°11	W 3
T 4	11 7 45	18°52'38	8♎ 3	5°46	23°29	26°17	4°21	21°42	27°14	4°42	25°41	22°34	21°30	21°22	10°13	T 4
F 5	11 11 42	19°52'02	20°20	5°12	24°41	27° 2	4°29	21°47	27°14	4°43	25°43	22°30	21°26	21°29	10°15	F 5
S 6	11 15 38	20°51'25	2♏49	4°43	25°53	27°47	4°37	21°52	27°13	4°45	25°44	22°25	21°23	21°35	10°16	S 6
S 7	11 19 35	21°50'45	15°30	4°21	27° 4	28°32	4°44	21°57	27°13	4°47	25°46	22°20	21°20	21°42	10°18	S 7
M 8	11 23 31	22°50'04	28°26	4° 4	28°16	29°17	4°52	22° 2	27°12	4°49	25°47	22°17	21°17	21°48	10°20	M 8
T 9	11 27 28	23°49'21	11♐38	3°53	29°28	0♒ 2	4°59	22° 7	27°12	4°50	25°49	22°15	21°14	21°55	10°23	T 9
W10	11 31 24	24°48'37	25° 8	3°D48	0♉39	0°47	5° 6	22°12	27°11	4°52	25°50	22°D14	21°11	22° 2	10°25	W10
T 11	11 35 21	25°47'50	8♑58	3°48	1°50	1°32	5°13	22°18	27°10	4°54	25°52	22°15	21° 7	22° 8	10°27	T 11
F 12	11 39 17	26°47'02	23° 7	3°54	3° 2	2°17	5°20	22°23	27°10	4°56	25°53	22°16	21° 4	22°15	10°29	F 12
S 13	11 43 14	27°46'12	7♒35	4° 6	4°13	3° 2	5°26	22°29	27° 9	4°58	25°55	22°18	21° 1	22°22	10°32	S 13
S 14	11 47 11	28°45'19	22°18	4°22	5°24	3°47	5°33	22°35	27° 8	5° 0	25°56	22°R18	20°58	22°28	10°34	S 14
M15	11 51 7	29°44'25	7♓12	4°44	6°35	4°32	5°39	22°40	27° 7	5° 2	25°58	22°17	20°55	22°35	10°37	M15
T 16	11 55 4	0♈43'29	22°10	5°10	7°46	5°17	5°45	22°46	27° 6	5° 3	25°59	22°15	20°51	22°42	10°39	T 16
W17	11 59 0	1°42'31	7♈ 3	5°41	8°57	6° 2	5°51	22°52	27° 5	5° 5	26° 0	22°10	20°48	22°48	10°42	W17
T 18	12 2 57	2°41'31	21°42	6°15	10° 8	6°47	5°57	22°58	27° 4	5° 7	26° 2	22° 4	20°45	22°55	10°45	T 18
F 19	12 6 53	3°40'29	6♉ 1	6°54	11°18	7°33	6° 3	23° 4	27° 3	5° 9	26° 3	21°58	20°42	23° 2	10°48	F 19
S 20	12 10 50	4°39'25	19°55	7°37	12°29	8°18	6° 9	23°10	27° 2	5°11	26° 5	21°51	20°39	23° 8	10°51	S 20
S 21	12 14 46	5°38'18	3♊22	8°23	13°39	9° 3	6°14	23°16	27° 1	5°13	26° 6	21°46	20°36	23°15	10°54	S 21
M22	12 18 43	6°37'09	16°22	9°12	14°50	9°48	6°19	23°22	26°59	5°15	26° 7	21°42	20°32	23°22	10°57	M22
T 23	12 22 39	7°35'58	28°58	10° 5	16° 0	10°33	6°24	23°28	26°58	5°17	26° 9	21°40	20°29	23°28	11° 0	T 23
W24	12 26 36	8°34'44	11♋15	11° 1	17°10	11°18	6°29	23°35	26°57	5°19	26°10	21°D39	20°26	23°35	11° 3	W24
T 25	12 30 33	9°33'28	23°16	12° 0	18°20	12° 3	6°34	23°41	26°55	5°22	26°11	21°40	20°23	23°41	11° 6	T 25
F 26	12 34 29	10°32'10	5♌ 8	13° 1	19°30	12°48	6°38	23°47	26°54	5°24	26°12	21°42	20°20	23°48	11° 9	F 26
S 27	12 38 26	11°30'50	16°55	14° 6	20°40	13°33	6°43	23°54	26°52	5°26	26°14	21°R43	20°16	23°55	11°13	S 27
S 28	12 42 22	12°29'27	28°42	15°12	21°49	14°18	6°47	24° 0	26°51	5°28	26°15	21°42	20°13	24° 1	11°16	S 28
M29	12 46 19	13°28'02	10♍34	16°22	22°59	15° 4	6°51	24° 7	26°49	5°30	26°16	21°40	20°10	24° 8	11°19	M29
T 30	12 50 15	14°26'35	22°33	17°33	24° 8	15°49	6°55	24°13	26°48	5°32	26°17	21°36	20° 7	24°15	11°23	T 30
W31	12 54 12	15♈25'06	4♎42	18♓47	25♉17	16♒34	6♑59	24♉20	26♏46	5♉34	26♒18	21♒30	20♒ 4	24♌21	11♊26	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s35	10n 0	0s51	5s52	2n58	7n53	0n 5	22s19	0s55	23s20	0n10	16n28	1s48	19s27	0n12	11n25	1s49	24s49	12s34	14s 1	14s22	14n37	18n 5	4s 3
T 2	5 12	4 36	1 54	6 22	2 46	8 23	0 8	22 12	0 56	23 20	0 10	16 30	1 48	19 27	0 12	11 26	1 49	24 49	12 34	14 2	14 23	14 34	18 5	4 3
W 3	4 49	1s 1	2 53	6 51	2 32	8 53	0 11	22 4	0 57	23 20	0 10	16 31	1 48	19 27	0 12	11 26	1 49	24 48	12 34	14 2	14 24	14 31	18 6	4 2
T 4	4 25	6 38	3 44	7 18	2 18	9 23	0 14	21 57	0 58	23 20	0 10	16 33	1 48	19 27	0 12	11 27	1 49	24 48	12 34	14 4	14 25	14 28	18 6	4 2
F 5	4 2	12 5	4 26	7 44	2 3	9 53	0 18	21 49	0 58	23 20	0 10	16 34	1 47	19 27	0 12	11 28	1 49	24 48	12 35	14 5	14 26	14 25	18 6	4 2
S 6	3 39	17 7	4 55	8 9	1 48	10 23	0 21	21 41	0 59	23 19	0 10	16 36	1 47	19 27	0 12	11 28	1 48	24 47	12 35	14 7	14 27	14 22	18 7	4 2
S 7	3 15	21 31	5 11	8 31	1 33	10 52	0 24	21 33	1 0	23 19	0 10	16 37	1 47	19 27	0 12	11 29	1 48	24 47	12 35	14 8	14 28	14 19	18 7	4 2
M 8	2 51	24 58	5 11	8 52	1 18	11 21	0 28	21 24	1 1	23 19	0 9	16 39	1 47	19 27	0 12	11 29	1 48	24 47	12 35	14 9	14 29	14 16	18 8	4 1
T 9	2 28	27 10	4 55	9 10	1 3	11 49	0 31	21 15	1 2	23 19	0 9	16 41	1 47	19 26	0 12	11 30	1 48	24 46	12 35	14 10	14 30	14 13	18 8	4 1
W10	2 4	27 51	4 23	9 26	0 48	12 18	0 35	21 6	1 3	23 19	0 9	16 42	1 46	19 26	0 12	11 31	1 48	24 46	12 35	14 10	14 31	14 10	18 9	4 1
T 11	1 41	26 50	3 35	9 39	0 33	12 46	0 38	20 57	1 4	23 18	0 9	16 44	1 46	19 26	0 12	11 31	1 48	24 45	12 36	14 10	14 32	14 7	18 9	4 1
F 12	1 17	24 5	2 33	9 50	0 18	13 14	0 41	20 48	1 4	23 18	0 9	16 45	1 46	19 26	0 12	11 32	1 48	24 45	12 36	14 10	14 33	14 4	18 10	4 1
S 13	0 53	19 45	1 20	9 59	0 5	13 42	0 45	20 38	1 5	23 18	0 9	16 47	1 46	19 26	0 12	11 33	1 48	24 45	12 36	14 9	14 34	14 1	18 11	4 0
S 14	0 30	14 9	0n 0	10 6	0s 9	14 9	0 48	20 29	1 6	23 18	0 9	16 49	1 46	19 25	0 12	11 33	1 48	24 44	12 36	14 9	14 35	13 58	18 11	4 0
M15	0 6	7 40	1 20	10 10	0 22	14 36	0 52	20 19	1 7	23 18	0 9	16 50	1 45	19 25	0 12	11 34	1 48	24 44	12 36	14 9	14 36	13 55	18 12	4 0
T 16	0n17	0 45	2 35	10 12	0 34	15 2	0 55	20 8	1 8	23 18	0 9	16 52	1 45	19 25	0 12	11 35	1 48	24 44	12 37	14 10	14 37	13 52	18 12	4 0
W17	0 41	6n10	3 39	10 12	0 46	15 29	0 58	19 58	1 9	23 17	0 9	16 54	1 45	19 25	0 12	11 35	1 48	24 43	12 37	14 12	14 38	13 49	18 13	4 0
T 18	1 5	12 38	4 28	10 9	0 58	15 54	1 2	19 47	1 9	23 17	0 9	16 55	1 45	19 25	0 12	11 36	1 48	24 43	12 37	14 13	14 39	13 46	18 13	3 59
F 19	1 28	18 16	4 58	10 5	1 8	16 20	1 5	19 37	1 10	23 17	0 8	16 57	1 44	19 24	0 12	11 37	1 48	24 43	12 37	14 16	14 40	13 43	18 14	3 59
S 20	1 52	22 46	5 10	9 58	1 19	16 45	1 9	19 26	1 11	23 17	0 8	16 59	1 44	19 24	0 12	11 37	1 48	24 43	12 37	14 18	14 41	13 40	18 14	3 59
S 21	2 15	25 54	5 3	9 50	1 28	17 10	1 12	19 15	1 12	23 17	0 8	17 0	1 44	19 24	0 12	11 38	1 48	24 42	12 38	14 19	14 42	13 37	18 15	3 59
M22	2 38	27 32	4 42	9 40	1 37	17 34	1 15	19 3	1 13	23 17	0 8	17 2	1 44	19 24	0 12	11 39	1 48	24 42	12 38	14 21	14 43	13 34	18 16	3 59
T 23	3 2	27 40	4 7	9 27	1 46	17 58	1 19	18 52	1 14	23 16	0 8	17 4	1 44	19 23	0 12	11 40	1 48	24 42	12 38	14 21	14 44	13 31	18 16	3 59
W24	3 25	26 26	3 21	9 13	1 53	18 21	1 22	18 40	1 14	23 16	0 8	17 6	1 43	19 23	0 12	11 40	1 48	24 42	12 38	14 22	14 45	13 28	18 17	3 58
T 25	3 48	23 58	2 28	8 57	2 1	18 44	1 25	18 28	1 15	23 16	0 8	17 7	1 43	19 23	0 12	11 41	1 48	24 41	12 39	14 21	14 46	13 25	18 17	3 58
F 26	4 12	20 31	1 28	8 39	2 7	19 7	1 28	18 16	1 16	23 16	0 8	17 9	1 43	19 22	0 12	11 42	1 48	24 41	12 39	14 21	14 47	13 22	18 18	3 58
S 27	4 35	16 15	0 26	8 20	2 13	19 29	1 32	18 4	1 17	23 16	0 8	17 11	1 43	19 22	0 12	11 42	1 48	24 41	12 39	14 21	14 48	13 19	18 19	3 58
S 28	4 58	11 24	0s38	7 59	2 18	19 50	1 35	17 52	1 18	23 16	0 8	17 13	1 43	19 22	0 12	11 43	1 48	24 41	12 39	14 21	14 49	13 16	18 19	3 58
M29	5 21	6 6	1 40	7 36	2 23	20 12	1 38	17 39	1 19	23 16	0 8	17 14	1 43	19 21	0 12	11 44	1 48	24 41	12 40	14 21	14 50	13 13	18 20	3 58
T 30	5 43	0 33	2 38	7 12	2 28	20 32	1 41	17 26	1 19	23 15	0 7	17 16	1 42	19 21	0 12	11 45	1 48	24 40	12 40	14 23	14 51	13 10	18 21	3 57
W31	6n 6	5s 5	3s30	6s46	2s31	20n52	1n44	17s14	1s20	23s15	0n 7	17n18	1s42	19s20	0n12	11n45	1s48	24s40	12s40	14s25	14s52	13n 6	18n21	3s57

Julian Day Number = 2107916.5, Delta T = 20m06s
Ecliptic obliquity = 23°33'48, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°37'32, Lahiri = 10°44'32 Julian Calendar 1 March 1059 == Greg. Calendar 7 March 1059

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1059
geocentric

APRIL 1059 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 58 8	16♈23'35	17♎ 4	20♓ 3	26♉26	17♒19	7♑ 2	24♉27	26°R45	5♉36	26♒20	21°R21	20♒ 1	24♌28	11♊30	T 1
F 2	13 2 5	17°22'02	29°38	21°22	27°35	18° 4	7° 6	24°34	26♏43	5°38	26°21	21♒11	19°57	24°35	11°34	F 2
S 3	13 6 2	18°20'27	12♏25	22°42	28°44	18°49	7° 9	24°40	26°41	5°41	26°22	21° 1	19°54	24°41	11°37	S 3
S 4	13 9 58	19°18'51	25°25	24° 5	29°53	19°34	7°12	24°47	26°39	5°43	26°23	20°51	19°51	24°48	11°41	S 4
M 5	13 13 55	20°17'12	8♐37	25°29	1♊ 2	20°19	7°15	24°54	26°38	5°45	26°24	20°43	19°48	24°55	11°45	M 5
T 6	13 17 51	21°15'32	22° 1	26°55	2°10	21° 4	7°17	25° 1	26°36	5°47	26°25	20°38	19°45	25° 1	11°49	T 6
W 7	13 21 48	22°13'51	5♑37	28°24	3°18	21°49	7°20	25° 8	26°34	5°49	26°26	20°34	19°42	25° 8	11°53	W 7
T 8	13 25 44	23°12'08	19°25	29°54	4°26	22°34	7°22	25°15	26°32	5°52	26°27	20°D33	19°38	25°14	11°57	T 8
F 9	13 29 41	24°10'24	3♒25	1♈26	5°34	23°19	7°24	25°22	26°30	5°54	26°28	20°33	19°35	25°21	12° 1	F 9
S 10	13 33 37	25° 8'37	17°37	3° 0	6°42	24° 4	7°26	25°29	26°28	5°56	26°29	20°R34	19°32	25°28	12° 5	S 10
S 11	13 37 34	26° 6'50	2♓ 0	4°36	7°50	24°49	7°28	25°37	26°26	5°58	26°30	20°33	19°29	25°34	12° 9	S 11
M12	13 41 31	27° 5'01	16°31	6°14	8°57	25°34	7°29	25°44	26°24	6° 0	26°31	20°31	19°26	25°41	12°13	M12
T 13	13 45 27	28° 3'10	1♈ 5	7°54	10° 5	26°19	7°31	25°51	26°22	6° 3	26°32	20°26	19°22	25°48	12°17	T 13
W14	13 49 24	29° 1'17	15°37	9°35	11°12	27° 4	7°32	25°58	26°20	6° 5	26°33	20°18	19°19	25°54	12°22	W14
T 15	13 53 20	29°59'23	0♉ 1	11°19	12°19	27°49	7°33	26° 6	26°18	6° 7	26°34	20° 8	19°16	26° 1	12°26	T 15
F 16	13 57 17	0♉57'28	14° 9	13° 4	13°26	28°34	7°34	26°13	26°16	6° 9	26°35	19°57	19°13	26° 8	12°30	F 16
S 17	14 1 13	1°55'30	27°57	14°51	14°33	29°19	7°34	26°20	26°13	6°12	26°36	19°46	19°10	26°14	12°35	S 17
S 18	14 5 10	2°53'31	11♊22	16°40	15°39	0♓ 4	7°35	26°28	26°11	6°14	26°36	19°37	19° 7	26°21	12°39	S 18
M19	14 9 6	3°51'31	24°22	18°31	16°45	0°49	7°35	26°35	26° 9	6°16	26°37	19°29	19° 3	26°28	12°44	M19
T 20	14 13 3	4°49'28	6♋59	20°23	17°52	1°34	7°R35	26°43	26° 7	6°18	26°38	19°23	19° 0	26°34	12°48	T 20
W21	14 17 0	5°47'23	19°17	22°18	18°58	2°19	7°35	26°50	26° 5	6°21	26°39	19°20	18°57	26°41	12°53	W21
T 22	14 20 56	6°45'17	1♌20	24°14	20° 3	3° 3	7°34	26°58	26° 2	6°23	26°39	19°19	18°54	26°48	12°57	T 22
F 23	14 24 53	7°43'09	13°13	26°13	21° 9	3°48	7°34	27° 5	26° 0	6°25	26°40	19°19	18°51	26°54	13° 2	F 23
S 24	14 28 49	8°40'58	25° 1	28°13	22°14	4°33	7°33	27°13	25°58	6°27	26°41	19°19	18°48	27° 1	13° 7	S 24
S 25	14 32 46	9°38'47	6♍50	0♉14	23°19	5°18	7°32	27°20	25°55	6°30	26°42	19°18	18°44	27° 7	13°11	S 25
M26	14 36 42	10°36'33	18°45	2°18	24°24	6° 2	7°31	27°28	25°53	6°32	26°42	19°15	18°41	27°14	13°16	M26
T 27	14 40 39	11°34'18	0♎50	4°23	25°29	6°47	7°30	27°36	25°51	6°34	26°43	19°10	18°38	27°21	13°21	T 27
W28	14 44 35	12°32'01	13° 9	6°29	26°33	7°32	7°28	27°43	25°48	6°36	26°43	19° 1	18°35	27°27	13°26	W28
T 29	14 48 32	13°29'42	25°43	8°37	27°37	8°16	7°27	27°51	25°46	6°39	26°44	18°51	18°32	27°34	13°31	T 29
F 30	14 52 29	14♉27'22	8♏35	10♉46	28♊41	9♓ 1	7♑25	27♉59	25♏43	6♉41	26♒45	18♒39	18♒28	27♌41	13♊35	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n29	10s37	4s13	6s19	2s34	21n12	1n47	17s 1	1s21	23s15	0n 7	17n20	1s42	19s20	0n12	11n46	1s48	24s40	12s40	14s27	14s53	13n 3	18n22	3s57
F 2	6 51	15 49	4 44	5 50	2 37	21 31	1 50	16 47	1 22	23 15	0 7	17 22	1 42	19 20	0 12	11 47	1 48	24 40	12 41	14 31	14 54	13 0	18 22	3 57
S 3	7 14	20 25	5 1	5 20	2 39	21 49	1 53	16 34	1 23	23 15	0 7	17 23	1 42	19 19	0 12	11 48	1 48	24 40	12 41	14 34	14 55	12 57	18 23	3 57
S 4	7 36	24 7	5 4	4 49	2 40	22 7	1 56	16 21	1 23	23 15	0 7	17 25	1 42	19 19	0 12	11 48	1 48	24 40	12 41	14 37	14 56	12 54	18 24	3 57
M 5	7 58	26 38	4 50	4 16	2 41	22 25	1 59	16 7	1 24	23 15	0 7	17 27	1 41	19 18	0 12	11 49	1 48	24 40	12 42	14 40	14 57	12 51	18 24	3 56
T 6	8 20	27 39	4 21	3 41	2 41	22 42	2 2	15 53	1 25	23 15	0 7	17 29	1 41	19 18	0 12	11 50	1 48	24 39	12 42	14 41	14 58	12 48	18 25	3 56
W 7	8 42	27 2	3 36	3 6	2 41	22 58	2 5	15 39	1 26	23 15	0 7	17 31	1 41	19 18	0 12	11 50	1 47	24 39	12 42	14 43	14 59	12 45	18 26	3 56
T 8	9 4	24 46	2 38	2 29	2 40	23 14	2 7	15 25	1 27	23 15	0 6	17 33	1 41	19 17	0 12	11 51	1 47	24 39	12 42	14 43	15 0	12 42	18 26	3 56
F 9	9 25	20 57	1 30	1 51	2 39	23 29	2 10	15 11	1 27	23 15	0 6	17 34	1 41	19 17	0 12	11 52	1 47	24 39	12 43	14 43	15 1	12 39	18 27	3 56
S 10	9 47	15 53	0 16	1 11	2 37	23 43	2 13	14 57	1 28	23 15	0 6	17 36	1 41	19 16	0 12	11 53	1 47	24 39	12 43	14 43	15 2	12 36	18 28	3 56
S 11	10 8	9 52	1n 1	0 31	2 34	23 57	2 15	14 42	1 29	23 15	0 6	17 38	1 40	19 16	0 12	11 53	1 47	24 39	12 43	14 43	15 3	12 33	18 28	3 56
M12	10 29	3 18	2 14	0n11	2 31	24 10	2 18	14 28	1 30	23 15	0 6	17 40	1 40	19 15	0 12	11 54	1 47	24 39	12 44	14 44	15 4	12 30	18 29	3 56
T 13	10 50	3n28	3 18	0 54	2 27	24 23	2 20	14 13	1 30	23 15	0 6	17 42	1 40	19 15	0 12	11 55	1 47	24 39	12 44	14 45	15 5	12 27	18 30	3 55
W14	11 11	10 0	4 9	1 37	2 23	24 35	2 22	13 59	1 31	23 15	0 6	17 44	1 40	19 14	0 12	11 56	1 47	24 39	12 44	14 48	15 6	12 24	18 30	3 55
T 15	11 32	15 57	4 44	2 22	2 19	24 47	2 25	13 44	1 32	23 15	0 6	17 46	1 40	19 14	0 12	11 56	1 47	24 39	12 45	14 51	15 7	12 20	18 31	3 55
F 16	11 52	20 57	5 1	3 8	2 13	24 57	2 27	13 29	1 33	23 15	0 6	17 47	1 40	19 13	0 12	11 57	1 47	24 39	12 45	14 54	15 8	12 17	18 31	3 55
S 17	12 12	24 40	4 59	3 55	2 8	25 8	2 29	13 13	1 33	23 15	0 5	17 49	1 40	19 13	0 12	11 58	1 47	24 39	12 45	14 58	15 9	12 14	18 32	3 55
S 18	12 32	26 54	4 41	4 43	2 1	25 17	2 31	12 58	1 34	23 15	0 5	17 51	1 39	19 12	0 12	11 59	1 47	24 39	12 46	15 1	15 10	12 11	18 33	3 55
M19	12 52	27 35	4 9	5 31	1 55	25 26	2 33	12 43	1 35	23 15	0 5	17 53	1 39	19 12	0 12	11 59	1 47	24 39	12 46	15 3	15 11	12 8	18 33	3 55
T 20	13 12	26 47	3 25	6 21	1 48	25 34	2 35	12 28	1 36	23 16	0 5	17 55	1 39	19 11	0 12	12 0	1 47	24 39	12 46	15 5	15 12	12 5	18 34	3 55
W21	13 31	24 41	2 32	7 11	1 40	25 42	2 36	12 12	1 36	23 16	0 5	17 57	1 39	19 11	0 12	12 1	1 47	24 39	12 46	15 6	15 13	12 2	18 35	3 55
T 22	13 50	21 30	1 34	8 1	1 32	25 49	2 38	11 56	1 37	23 16	0 5	17 58	1 39	19 10	0 12	12 2	1 47	24 39	12 47	15 6	15 14	11 59	18 35	3 55
F 23	14 9	17 27	0 32	8 53	1 23	25 55	2 39	11 41	1 38	23 16	0 5	18 0	1 39	19 10	0 12	12 2	1 47	24 39	12 47	15 6	15 15	11 56	18 36	3 55
S 24	14 28	12 47	0s30	9 44	1 14	26 1	2 41	11 25	1 38	23 16	0 5	18 2	1 39	19 9	0 12	12 3	1 47	24 39	12 47	15 6	15 16	11 53	18 37	3 54
S 25	14 47	7 38	1 32	10 36	1 5	26 6	2 42	11 9	1 39	23 16	0 5	18 4	1 39	19 9	0 12	12 4	1 47	24 39	12 48	15 7	15 17	11 50	18 37	3 54
M26	15 5	2 11	2 29	11 28	0 55	26 10	2 44	10 53	1 40	23 16	0 4	18 6	1 39	19 8	0 12	12 5	1 47	24 39	12 48	15 8	15 18	11 46	18 38	3 54
T 27	15 23	3s24	3 21	12 20	0 46	26 14	2 45	10 37	1 40	23 17	0 4	18 8	1 38	19 8	0 12	12 5	1 47	24 39	12 48	15 9	15 19	11 43	18 39	3 54
W28	15 41	8 58	4 4	13 12	0 35	26 17	2 46	10 21	1 41	23 17	0 4	18 9	1 38	19 7	0 12	12 6	1 47	24 39	12 49	15 12	15 20	11 40	18 39	3 54
T 29	15 58	14 17	4 37	14 3	0 25	26 19	2 47	10 5	1 42	23 17	0 4	18 11	1 38	19 6	0 12	12 7	1 47	24 39	12 49	15 15	15 21	11 37	18 40	3 54
F 30	16n16	19s 6	4s56	14n54	0s15	26n21	2n48	9s49	1s42	23s17	0n 4	18n13	1s38	19s 6	0n12	12n 8	1s47	24s40	12s50	15s19	15s22	11n34	18n41	3s54

Julian Day Number = 2107947.5, Delta T = 20m05s
Ecliptic obliquity = 23°33'48, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°37'36, Lahiri = 10°44'36 Julian Calendar 1 Apr. 1059 == Greg. Calendar 7 Apr. 1059

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1059
geocentric

MAY 1059 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 56 25	15♉25'01	21♏42	12♉56	29♊45	9♓45	7°R23	28♉ 6	25°R41	6♉43	26♒45	18°R26	18♒25	27♌47	13♊40	S 1
S 2	15 0 22	16°22'39	5♐ 5	15° 7	0♋48	10°30	7♑20	28°14	25♏39	6°45	26°46	18♒14	18°22	27°54	13°45	S 2
M 3	15 4 18	17°20'15	18°40	17°18	1°51	11°14	7°18	28°22	25°36	6°48	26°46	18° 4	18°19	28° 1	13°50	M 3
T 4	15 8 15	18°17'50	2♑25	19°29	2°54	11°59	7°16	28°29	25°34	6°50	26°46	17°56	18°16	28° 7	13°55	T 4
W 5	15 12 11	19°15'25	16°17	21°41	3°56	12°43	7°13	28°37	25°31	6°52	26°47	17°51	18°13	28°14	14° 0	W 5
T 6	15 16 8	20°12'58	0♒16	23°52	4°59	13°27	7°10	28°45	25°29	6°54	26°47	17°49	18° 9	28°21	14° 5	T 6
F 7	15 20 4	21°10'30	14°19	26° 3	6° 0	14°12	7° 7	28°53	25°26	6°56	26°48	17°49	18° 6	28°27	14°10	F 7
S 8	15 24 1	22° 8'02	28°26	28°13	7° 2	14°56	7° 3	29° 1	25°24	6°59	26°48	17°49	18° 3	28°34	14°15	S 8
S 9	15 27 58	23° 5'32	12♓35	0♊22	8° 3	15°40	7° 0	29° 8	25°21	7° 1	26°48	17°48	18° 0	28°41	14°21	S 9
M10	15 31 54	24° 3'02	26°47	2°30	9° 4	16°24	6°56	29°16	25°19	7° 3	26°49	17°45	17°57	28°47	14°26	M10
T 11	15 35 51	25° 0'31	10♈57	4°36	10° 5	17° 8	6°52	29°24	25°16	7° 5	26°49	17°40	17°54	28°54	14°31	T 11
W12	15 39 47	25°57'59	25° 4	6°41	11° 5	17°52	6°48	29°32	25°14	7° 7	26°49	17°31	17°50	29° 0	14°36	W12
T 13	15 43 44	26°55'26	9♉ 2	8°43	12° 5	18°36	6°44	29°40	25°11	7° 9	26°50	17°21	17°47	29° 7	14°41	T 13
F 14	15 47 40	27°52'52	22°49	10°44	13° 5	19°20	6°40	29°48	25° 9	7°12	26°50	17° 9	17°44	29°14	14°47	F 14
S 15	15 51 37	28°50'18	6♊19	12°42	14° 4	20° 4	6°36	29°55	25° 6	7°14	26°50	16°57	17°41	29°20	14°52	S 15
S 16	15 55 33	29°47'43	19°31	14°38	15° 3	20°48	6°31	0♊ 3	25° 4	7°16	26°50	16°47	17°38	29°27	14°57	S 16
M17	15 59 30	0♊45'06	2♋23	16°32	16° 1	21°32	6°26	0°11	25° 2	7°18	26°50	16°38	17°34	29°34	15° 2	M17
T 18	16 3 27	1°42'29	14°56	18°23	16°59	22°16	6°21	0°19	24°59	7°20	26°50	16°32	17°31	29°40	15° 8	T 18
W19	16 7 23	2°39'50	27°11	20°11	17°57	22°59	6°16	0°27	24°57	7°22	26°50	16°28	17°28	29°47	15°13	W19
T 20	16 11 20	3°37'10	9♌13	21°58	18°54	23°43	6°11	0°35	24°54	7°24	26°51	16°26	17°25	29°54	15°18	T 20
F 21	16 15 16	4°34'30	21° 6	23°41	19°51	24°26	6° 5	0°42	24°52	7°26	26°51	16°D26	17°22	0♍ 0	15°24	F 21
S 22	16 19 13	5°31'48	2♍55	25°22	20°47	25°10	6° 0	0°50	24°49	7°28	26°R51	16°R26	17°19	0° 7	15°29	S 22
S 23	16 23 9	6°29'05	14°45	27° 1	21°43	25°53	5°54	0°58	24°47	7°30	26°51	16°26	17°15	0°14	15°35	S 23
M24	16 27 6	7°26'22	26°42	28°37	22°38	26°37	5°48	1° 6	24°44	7°32	26°51	16°24	17°12	0°20	15°40	M24
T 25	16 31 2	8°23'37	8♎50	0♋10	23°32	27°20	5°42	1°14	24°42	7°34	26°51	16°20	17° 9	0°27	15°45	T 25
W26	16 34 59	9°20'51	21°15	1°40	24°26	28° 3	5°36	1°21	24°40	7°36	26°50	16°14	17° 6	0°34	15°51	W26
T 27	16 38 56	10°18'05	3♏58	3° 8	25°20	28°46	5°30	1°29	24°37	7°38	26°50	16° 6	17° 3	0°40	15°56	T 27
F 28	16 42 52	11°15'18	17° 2	4°33	26°13	29°29	5°24	1°37	24°35	7°40	26°50	15°56	16°59	0°47	16° 2	F 28
S 29	16 46 49	12°12'31	0♐27	5°55	27° 5	0♈12	5°18	1°45	24°33	7°42	26°50	15°46	16°56	0°53	16° 7	S 29
S 30	16 50 45	13° 9'43	14°11	7°15	27°57	0°55	5°11	1°53	24°30	7°44	26°50	15°36	16°53	1° 0	16°12	S 30
M31	16 54 42	14♊ 6'54	28♐10	8♋32	28♋48	1♈38	5♑ 4	2♊ 0	24♏28	7♉46	26♒50	15♒27	16♒50	1♍ 7	16♊18	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n33	23s 6	5s 0	15n44	0s 4	26n22	2n48	9s32	1s43	23s18	0n 4	18n15	1s38	19s 5	0n12	12n 8	1s47	24s40	12s50	15s23	15s23	11n31	18n41	3s54
S 2	16 49	25 58	4 48	16 33	0n 7	26 22	2 49	9 16	1 44	23 18	0 4	18 17	1 38	19 5	0 12	12 9	1 47	24 40	12 50	15 27	15 24	11 28	18 42	3 54
M 3	17 6	27 23	4 19	17 21	0 17	26 22	2 49	9 0	1 44	23 18	0 4	18 18	1 38	19 4	0 12	12 10	1 47	24 40	12 51	15 30	15 25	11 25	18 42	3 54
T 4	17 22	27 8	3 35	18 8	0 27	26 21	2 50	8 43	1 45	23 18	0 3	18 20	1 38	19 4	0 12	12 10	1 47	24 40	12 51	15 32	15 26	11 22	18 43	3 54
W 5	17 38	25 11	2 38	18 53	0 38	26 20	2 50	8 27	1 46	23 19	0 3	18 22	1 38	19 3	0 12	12 11	1 47	24 40	12 51	15 34	15 27	11 18	18 44	3 54
T 6	17 53	21 41	1 31	19 36	0 48	26 18	2 50	8 10	1 46	23 19	0 3	18 24	1 38	19 2	0 12	12 12	1 47	24 41	12 52	15 34	15 28	11 15	18 44	3 54
F 7	18 9	16 55	0 18	20 18	0 57	26 15	2 50	7 54	1 47	23 19	0 3	18 26	1 37	19 2	0 12	12 13	1 47	24 41	12 52	15 34	15 29	11 12	18 45	3 54
S 8	18 24	11 12	0n56	20 57	1 6	26 12	2 50	7 37	1 47	23 20	0 3	18 27	1 37	19 1	0 12	12 13	1 47	24 41	12 52	15 34	15 30	11 9	18 45	3 54
S 9	18 39	4 55	2 7	21 33	1 15	26 8	2 49	7 20	1 48	23 20	0 3	18 29	1 37	19 1	0 12	12 14	1 47	24 41	12 53	15 35	15 31	11 6	18 46	3 54
M10	18 53	1n37	3 10	22 8	1 23	26 4	2 49	7 3	1 49	23 20	0 3	18 31	1 37	19 0	0 12	12 15	1 47	24 41	12 53	15 36	15 32	11 3	18 47	3 54
T 11	19 7	8 4	4 2	22 39	1 31	25 59	2 48	6 47	1 49	23 20	0 3	18 33	1 37	18 59	0 12	12 15	1 48	24 42	12 53	15 37	15 33	11 0	18 47	3 54
W12	19 21	14 4	4 38	23 8	1 38	25 53	2 48	6 30	1 50	23 21	0 2	18 34	1 37	18 59	0 12	12 16	1 48	24 42	12 54	15 40	15 34	10 57	18 48	3 54
T 13	19 34	19 17	4 58	23 35	1 44	25 47	2 47	6 13	1 50	23 21	0 2	18 36	1 37	18 58	0 12	12 17	1 48	24 42	12 54	15 43	15 35	10 53	18 48	3 54
F 14	19 47	23 23	4 59	23 58	1 49	25 40	2 46	5 56	1 51	23 22	0 2	18 38	1 37	18 58	0 12	12 17	1 48	24 42	12 54	15 46	15 36	10 50	18 49	3 54
S 15	20 0	26 8	4 44	24 20	1 54	25 33	2 45	5 39	1 51	23 22	0 2	18 40	1 37	18 57	0 12	12 18	1 48	24 43	12 55	15 50	15 37	10 47	18 50	3 54
S 16	20 13	27 22	4 14	24 38	1 58	25 25	2 43	5 23	1 52	23 22	0 2	18 41	1 37	18 57	0 12	12 19	1 48	24 43	12 55	15 53	15 38	10 44	18 50	3 54
M17	20 25	27 4	3 31	24 54	2 2	25 16	2 42	5 6	1 52	23 23	0 2	18 43	1 37	18 56	0 12	12 19	1 48	24 43	12 55	15 56	15 39	10 41	18 51	3 54
T 18	20 37	25 21	2 39	25 7	2 4	25 7	2 40	4 49	1 53	23 23	0 2	18 45	1 37	18 55	0 12	12 20	1 48	24 43	12 56	15 58	15 40	10 38	18 51	3 54
W19	20 48	22 28	1 40	25 18	2 6	24 58	2 38	4 32	1 53	23 23	0 1	18 47	1 37	18 55	0 12	12 21	1 48	24 44	12 56	15 59	15 41	10 35	18 52	3 54
T 20	20 59	18 39	0 38	25 26	2 7	24 48	2 36	4 15	1 54	23 24	0 1	18 48	1 37	18 54	0 12	12 21	1 48	24 44	12 57	15 59	15 42	10 31	18 52	3 54
F 21	21 10	14 9	0s25	25 32	2 8	24 38	2 34	3 58	1 54	23 24	0 1	18 50	1 36	18 54	0 12	12 22	1 48	24 44	12 57	16 0	15 43	10 28	18 53	3 54
S 22	21 20	9 8	1 27	25 36	2 7	24 27	2 32	3 41	1 55	23 25	0 1	18 52	1 36	18 53	0 12	12 23	1 48	24 45	12 57	15 59	15 44	10 25	18 53	3 54
S 23	21 30	3 49	2 25	25 38	2 6	24 15	2 29	3 24	1 55	23 25	0 1	18 53	1 36	18 52	0 12	12 23	1 48	24 45	12 58	16 0	15 45	10 22	18 54	3 54
M24	21 40	1s42	3 17	25 38	2 5	24 4	2 27	3 7	1 56	23 25	0 1	18 55	1 36	18 52	0 12	12 24	1 48	24 45	12 58	16 0	15 46	10 19	18 54	3 54
T 25	21 49	7 13	4 1	25 36	2 2	23 51	2 24	2 51	1 56	23 26	0 1	18 56	1 36	18 51	0 12	12 25	1 48	24 46	12 58	16 1	15 47	10 16	18 55	3 54
W26	21 58	12 35	4 35	25 32	1 59	23 39	2 21	2 34	1 57	23 26	0 0	18 58	1 36	18 51	0 12	12 25	1 48	24 46	12 59	16 3	15 47	10 13	18 55	3 54
T 27	22 7	17 33	4 57	25 26	1 55	23 26	2 17	2 17	1 57	23 27	0 0	19 0	1 36	18 50	0 12	12 26	1 48	24 46	12 59	16 6	15 48	10 9	18 56	3 54
F 28	22 15	21 51	5 3	25 19	1 50	23 12	2 14	2 0	1 58	23 27	0 0	19 1	1 36	18 50	0 12	12 26	1 48	24 47	12 59	16 9	15 49	10 6	18 56	3 54
S 29	22 22	25 8	4 54	25 10	1 45	22 59	2 10	1 43	1 58	23 27	0s 0	19 3	1 36	18 49	0 12	12 27	1 48	24 47	13 0	16 12	15 50	10 3	18 57	3 54
S 30	22 30	27 2	4 27	25 0	1 39	22 44	2 6	1 26	1 58	23 28	0 0	19 4	1 36	18 48	0 12	12 28	1 48	24 47	13 0	16 15	15 51	10 0	18 57	3 55
M31	22n37	27s17	3s44	24n49	1n32	22n30	2n 2	1s10	1s59	23s28	0s 0	19n 6	1s36	18s48	0n11	12n28	1s48	24s48	13s 0	16s17	15s52	9n57	18n58	3s55

Julian Day Number = 2107977.5, Delta T = 20m05s
Ecliptic obliquity = 23°33'47, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°37'40, Lahiri = 10°44'40 Julian Calendar 1 May 1059 == Greg. Calendar 7 May 1059

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1059
geocentric

JUNE 1059 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 58 38	15♊ 4'05	12♉20	9♋45	29♋38	2♈21	4°R58	2♊ 8	24°R26	7♉48	26°R49	15°R21	16♒47	1♍13	16♊23	T 1
W 2	17 2 35	16° 1'16	26°37	10°56	0♌28	3° 4	4♉51	2°16	24♏24	7°50	26♒49	15♒18	16°44	1°20	16°29	W 2
T 3	17 6 32	16°58'27	10♒55	12° 4	1°17	3°46	4°44	2°23	24°21	7°52	26°49	15°D16	16°40	1°27	16°34	T 3
F 4	17 10 28	17°55'37	25°13	13° 9	2° 5	4°29	4°37	2°31	24°19	7°54	26°49	15°16	16°37	1°33	16°40	F 4
S 5	17 14 25	18°52'48	9♓26	14°11	2°52	5°11	4°30	2°39	24°17	7°55	26°48	15°17	16°34	1°40	16°45	S 5
S 6	17 18 21	19°49'58	23°34	15° 9	3°39	5°54	4°23	2°46	24°15	7°57	26°48	15°R17	16°31	1°47	16°50	S 6
M 7	17 22 18	20°47'09	7♈35	16° 4	4°25	6°36	4°15	2°54	24°13	7°59	26°48	15°16	16°28	1°53	16°56	M 7
T 8	17 26 14	21°44'19	21°28	16°56	5° 9	7°18	4° 8	3° 2	24°11	8° 1	26°47	15°13	16°25	2° 0	17° 1	T 8
W 9	17 30 11	22°41'30	5♉12	17°44	5°53	8° 0	4° 1	3° 9	24° 8	8° 2	26°47	15° 7	16°21	2° 7	17° 7	W 9
T 10	17 34 7	23°38'41	18°46	18°29	6°36	8°42	3°53	3°17	24° 6	8° 4	26°46	15° 0	16°18	2°13	17°12	T 10
F 11	17 38 4	24°35'52	2♊ 7	19°10	7°18	9°24	3°46	3°24	24° 4	8° 6	26°46	14°52	16°15	2°20	17°18	F 11
S 12	17 42 1	25°33'03	15°15	19°47	8° 0	10° 6	3°38	3°32	24° 2	8° 7	26°46	14°43	16°12	2°27	17°23	S 12
S 13	17 45 57	26°30'14	28° 7	20°19	8°40	10°48	3°31	3°39	24° 0	8° 9	26°45	14°36	16° 9	2°33	17°29	S 13
M14	17 49 54	27°27'25	10♋44	20°48	9°19	11°29	3°23	3°47	23°58	8°11	26°45	14°29	16° 6	2°40	17°34	M14
T 15	17 53 50	28°24'36	23° 7	21°13	9°56	12°11	3°16	3°54	23°57	8°12	26°44	14°25	16° 2	2°47	17°39	T 15
W16	17 57 47	29°21'47	5♌16	21°33	10°33	12°52	3° 8	4° 1	23°55	8°14	26°43	14°23	15°59	2°53	17°45	W16
T 17	18 1 43	0♋18'58	17°14	21°48	11° 8	13°33	3° 0	4° 9	23°53	8°15	26°43	14°D23	15°56	3° 0	17°50	T 17
F 18	18 5 40	1°16'08	29° 5	21°59	11°43	14°14	2°52	4°16	23°51	8°17	26°42	14°23	15°53	3° 7	17°56	F 18
S 19	18 9 36	2°13'19	10♍53	22° 6	12°15	14°55	2°45	4°23	23°49	8°18	26°42	14°25	15°50	3°13	18° 1	S 19
S 20	18 13 33	3°10'29	22°43	22°R 7	12°47	15°36	2°37	4°30	23°48	8°20	26°41	14°26	15°46	3°20	18° 6	S 20
M21	18 17 30	4° 7'39	4♎40	22° 4	13°17	16°17	2°29	4°38	23°46	8°21	26°40	14°R27	15°43	3°26	18°12	M21
T 22	18 21 26	5° 4'50	16°49	21°56	13°45	16°58	2°22	4°45	23°44	8°23	26°40	14°26	15°40	3°33	18°17	T 22
W23	18 25 23	6° 2'00	29°14	21°44	14°12	17°38	2°14	4°52	23°43	8°24	26°39	14°24	15°37	3°40	18°22	W23
T 24	18 29 19	6°59'11	12♏ 0	21°27	14°38	18°19	2° 6	4°59	23°41	8°26	26°38	14°20	15°34	3°46	18°27	T 24
F 25	18 33 16	7°56'21	25°10	21° 5	15° 1	18°59	1°59	5° 6	23°39	8°27	26°38	14°15	15°31	3°53	18°33	F 25
S 26	18 37 12	8°53'32	8♐43	20°39	15°24	19°39	1°51	5°13	23°38	8°28	26°37	14° 9	15°27	4° 0	18°38	S 26
S 27	18 41 9	9°50'44	22°41	20°10	15°44	20°19	1°43	5°20	23°36	8°30	26°36	14° 4	15°24	4° 6	18°43	S 27
M28	18 45 5	10°47'55	6♑58	19°37	16° 2	20°59	1°36	5°27	23°35	8°31	26°35	14° 0	15°21	4°13	18°48	M28
T 29	18 49 2	11°45'07	21°30	19° 1	16°19	21°39	1°28	5°34	23°34	8°32	26°34	13°57	15°18	4°20	18°54	T 29
W30	18 52 59	12♋42'20	6♒12	18♋23	16♌33	22♈19	1♑21	5♊41	23♏32	8♉33	26♒34	13♒55	15♒15	4♍26	18♊59	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n43	25s45	2s47	24n36	1n24	22n15	1n58	0s53	1s59	23s29	0s 0	19n 8	1s36	18s47	0n11	12n29	1s48	24s48	13s 1	16s19	15s53	9n54	18n58	3s55
W 2	22 49	22 33	1 38	24 23	1 16	22 0	1 53	0 36	2 0	23 29	0 1	19 9	1 36	18 47	0 11	12 29	1 48	24 49	13 1	16 20	15 54	9 50	18 59	3 55
T 3	22 55	17 57	0 23	24 8	1 8	21 45	1 49	0 20	2 0	23 29	0 1	19 11	1 36	18 46	0 11	12 30	1 48	24 49	13 1	16 20	15 55	9 47	18 59	3 55
F 4	23 1	12 21	0n53	23 53	0 59	21 29	1 44	0 3	2 0	23 30	0 1	19 12	1 36	18 46	0 11	12 30	1 48	24 49	13 2	16 20	15 56	9 44	19 0	3 55
S 5	23 6	6 8	2 6	23 37	0 49	21 13	1 39	0n14	2 1	23 30	0 1	19 14	1 36	18 45	0 11	12 31	1 48	24 50	13 2	16 20	15 57	9 41	19 0	3 55
S 6	23 10	0n21	3 10	23 20	0 38	20 57	1 33	0 30	2 1	23 31	0 1	19 15	1 36	18 45	0 11	12 32	1 48	24 50	13 2	16 20	15 58	9 38	19 0	3 55
M 7	23 14	6 44	4 3	23 3	0 27	20 41	1 28	0 47	2 1	23 31	0 1	19 17	1 36	18 44	0 11	12 32	1 48	24 51	13 3	16 20	15 59	9 35	19 1	3 55
T 8	23 18	12 45	4 41	22 45	0 16	20 24	1 22	1 3	2 2	23 31	0 1	19 18	1 36	18 44	0 11	12 33	1 48	24 51	13 3	16 21	16 0	9 31	19 1	3 55
W 9	23 22	18 3	5 2	22 27	0 4	20 7	1 16	1 20	2 2	23 32	0 2	19 20	1 36	18 43	0 11	12 33	1 48	24 52	13 3	16 23	16 1	9 28	19 2	3 55
T 10	23 25	22 23	5 6	22 8	0s 9	19 50	1 10	1 36	2 2	23 32	0 2	19 21	1 36	18 43	0 11	12 34	1 48	24 52	13 4	16 25	16 2	9 25	19 2	3 56
F 11	23 27	25 28	4 53	21 49	0 22	19 33	1 3	1 52	2 2	23 32	0 2	19 23	1 36	18 42	0 11	12 34	1 48	24 53	13 4	16 28	16 3	9 22	19 2	3 56
S 12	23 29	27 7	4 25	21 31	0 35	19 16	0 56	2 8	2 3	23 33	0 2	19 24	1 36	18 42	0 11	12 35	1 48	24 53	13 4	16 30	16 4	9 19	19 3	3 56
S 13	23 31	27 16	3 43	21 12	0 49	18 59	0 49	2 25	2 3	23 33	0 2	19 25	1 36	18 41	0 11	12 35	1 49	24 54	13 5	16 32	16 5	9 15	19 3	3 56
M14	23 32	25 59	2 52	20 54	1 3	18 41	0 42	2 41	2 3	23 34	0 2	19 27	1 36	18 41	0 11	12 36	1 49	24 54	13 5	16 34	16 6	9 12	19 4	3 56
T 15	23 33	23 25	1 53	20 36	1 18	18 24	0 34	2 57	2 3	23 34	0 3	19 28	1 36	18 40	0 11	12 36	1 49	24 55	13 5	16 35	16 7	9 9	19 4	3 56
W16	23 34	19 51	0 49	20 18	1 33	18 6	0 26	3 13	2 4	23 34	0 3	19 30	1 36	18 40	0 11	12 37	1 49	24 55	13 6	16 36	16 8	9 6	19 4	3 56
T 17	23 34	15 30	0s16	20 1	1 48	17 49	0 18	3 29	2 4	23 35	0 3	19 31	1 36	18 39	0 11	12 37	1 49	24 55	13 6	16 36	16 9	9 3	19 5	3 57
F 18	23 33	10 37	1 19	19 44	2 3	17 31	0 10	3 44	2 4	23 35	0 3	19 32	1 36	18 39	0 11	12 37	1 49	24 56	13 6	16 36	16 10	9 0	19 5	3 57
S 19	23 33	5 23	2 19	19 28	2 18	17 14	0 1	4 0	2 4	23 35	0 3	19 34	1 36	18 39	0 11	12 38	1 49	24 57	13 7	16 35	16 10	8 56	19 5	3 57
S 20	23 31	0s 3	3 13	19 13	2 33	16 56	0s 8	4 16	2 4	23 35	0 3	19 35	1 36	18 38	0 11	12 38	1 49	24 57	13 7	16 35	16 11	8 53	19 6	3 57
M21	23 30	5 32	4 0	18 58	2 48	16 39	0 17	4 31	2 4	23 36	0 3	19 36	1 36	18 38	0 11	12 39	1 49	24 58	13 7	16 35	16 12	8 50	19 6	3 57
T 22	23 28	10 53	4 36	18 45	3 3	16 21	0 27	4 47	2 5	23 36	0 4	19 37	1 36	18 37	0 11	12 39	1 49	24 58	13 8	16 35	16 13	8 47	19 6	3 57
W23	23 25	15 56	5 1	18 33	3 17	16 4	0 37	5 2	2 5	23 36	0 4	19 39	1 36	18 37	0 11	12 40	1 49	24 59	13 8	16 36	16 14	8 44	19 6	3 58
T 24	23 23	20 26	5 11	18 22	3 31	15 47	0 47	5 18	2 5	23 37	0 4	19 40	1 36	18 37	0 11	12 40	1 49	24 59	13 8	16 37	16 15	8 40	19 7	3 58
F 25	23 19	24 5	5 6	18 12	3 45	15 30	0 57	5 33	2 5	23 37	0 4	19 41	1 36	18 36	0 11	12 40	1 49	25 0	13 8	16 38	16 16	8 37	19 7	3 58
S 26	23 16	26 32	4 43	18 4	3 57	15 14	1 8	5 48	2 5	23 37	0 4	19 42	1 36	18 36	0 11	12 41	1 49	25 0	13 9	16 40	16 17	8 34	19 7	3 58
S 27	23 12	27 25	4 4	17 57	4 8	14 57	1 19	6 3	2 5	23 37	0 4	19 44	1 36	18 36	0 11	12 41	1 49	25 1	13 9	16 42	16 18	8 31	19 7	3 58
M28	23 7	26 31	3 8	17 51	4 19	14 41	1 30	6 18	2 5	23 38	0 4	19 45	1 36	18 35	0 11	12 41	1 49	25 1	13 9	16 43	16 19	8 28	19 8	3 59
T 29	23 2	23 48	2 0	17 47	4 28	14 25	1 41	6 33	2 5	23 38	0 5	19 46	1 36	18 35	0 11	12 42	1 49	25 2	13 9	16 44	16 20	8 24	19 8	3 59
W30	22n57	19s30	0s42	17n44	4s36	14n 9	1s53	6n48	2s 5	23s38	0s 5	19n47	1s36	18s35	0n11	12n42	1s49	25s 2	13s10	16s44	16s21	8n21	19n 8	3s59

Julian Day Number = 2108008.5, Delta T = 20m05s
Ecliptic obliquity = 23°33'46, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°37'44, Lahiri = 10°44'45 Julian Calendar 1 June 1059 == Greg. Calendar 7 June 1059

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1059
geocentric

JULY 1059 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 56 55	13♋39'33	20♒55	17°R42	16♌46	22♈58	1°R14	5♊47	23°R31	8♉34	26°R33	13°D55	15♒12	4♍33	19♊ 4	T 1
F 2	19 0 52	14°36'47	5♓33	17♋ 1	16°56	23°37	1♉ 6	5°54	23♏30	8°36	26♒32	13♒56	15° 8	4°40	19° 9	F 2
S 3	19 4 48	15°34'01	20° 3	16°19	17° 5	24°17	0°59	6° 1	23°29	8°37	26°31	13°58	15° 5	4°46	19°14	S 3
S 4	19 8 45	16°31'17	4♈19	15°37	17°11	24°56	0°52	6° 7	23°27	8°38	26°30	13°59	15° 2	4°53	19°19	S 4
M 5	19 12 41	17°28'34	18°21	14°57	17°15	25°35	0°45	6°14	23°26	8°39	26°29	13°R59	14°59	5° 0	19°24	M 5
T 6	19 16 38	18°25'51	2♉ 7	14°18	17°R17	26°13	0°38	6°21	23°25	8°40	26°28	13°59	14°56	5° 6	19°29	T 6
W 7	19 20 34	19°23'10	15°37	13°41	17°16	26°52	0°31	6°27	23°24	8°41	26°27	13°57	14°52	5°13	19°34	W 7
T 8	19 24 31	20°20'30	28°52	13° 8	17°13	27°30	0°24	6°33	23°23	8°42	26°26	13°54	14°49	5°20	19°39	T 8
F 9	19 28 28	21°17'50	11♊52	12°38	17° 8	28° 9	0°17	6°40	23°22	8°43	26°25	13°51	14°46	5°26	19°44	F 9
S 10	19 32 24	22°15'12	24°38	12°13	17° 1	28°47	0°10	6°46	23°21	8°44	26°24	13°47	14°43	5°33	19°49	S 10
S 11	19 36 21	23°12'35	7♋10	11°53	16°51	29°25	0° 4	6°52	23°20	8°45	26°23	13°44	14°40	5°40	19°54	S 11
M12	19 40 17	24° 9'59	19°31	11°38	16°39	0♉ 3	29♐57	6°59	23°20	8°46	26°22	13°42	14°37	5°46	19°59	M12
T 13	19 44 14	25° 7'23	1♌40	11°29	16°24	0°40	29°51	7° 5	23°19	8°46	26°21	13°41	14°33	5°53	20° 4	T 13
W14	19 48 10	26° 4'49	13°41	11°D25	16° 7	1°18	29°45	7°11	23°18	8°47	26°20	13°D40	14°30	6° 0	20° 8	W14
T 15	19 52 7	27° 2'15	25°34	11°28	15°48	1°55	29°39	7°17	23°18	8°48	26°19	13°41	14°27	6° 6	20°13	T 15
F 16	19 56 4	27°59'42	7♍23	11°38	15°26	2°32	29°33	7°23	23°17	8°49	26°18	13°42	14°24	6°13	20°18	F 16
S 17	20 0 0	28°57'10	19°10	11°54	15° 3	3° 9	29°27	7°29	23°16	8°49	26°17	13°43	14°21	6°20	20°22	S 17
S 18	20 3 57	29°54'39	1♎ 0	12°17	14°37	3°45	29°21	7°34	23°16	8°50	26°16	13°44	14°17	6°26	20°27	S 18
M19	20 7 53	0♏52'09	12°57	12°46	14° 9	4°22	29°15	7°40	23°15	8°51	26°15	13°45	14°14	6°33	20°32	M19
T 20	20 11 50	1°49'39	25° 4	13°22	13°40	4°58	29°10	7°46	23°15	8°51	26°14	13°46	14°11	6°39	20°36	T 20
W21	20 15 46	2°47'11	7♏27	14° 5	13° 9	5°34	29° 5	7°52	23°15	8°52	26°12	13°R46	14° 8	6°46	20°41	W21
T 22	20 19 43	3°44'43	20°11	14°54	12°36	6°10	29° 0	7°57	23°14	8°52	26°11	13°46	14° 5	6°53	20°45	T 22
F 23	20 23 39	4°42'17	3♐17	15°49	12° 2	6°45	28°55	8° 3	23°14	8°53	26°10	13°45	14° 2	6°59	20°50	F 23
S 24	20 27 36	5°39'51	16°50	16°51	11°27	7°20	28°50	8° 8	23°14	8°53	26° 9	13°44	13°58	7° 6	20°54	S 24
S 25	20 31 33	6°37'27	0♑49	17°59	10°51	7°56	28°45	8°13	23°14	8°54	26° 8	13°43	13°55	7°13	20°58	S 25
M26	20 35 29	7°35'03	15°13	19°13	10°15	8°31	28°41	8°19	23°14	8°54	26° 7	13°42	13°52	7°19	21° 3	M26
T 27	20 39 26	8°32'41	29°58	20°32	9°38	9° 5	28°36	8°24	23°14	8°55	26° 5	13°42	13°49	7°26	21° 7	T 27
W28	20 43 22	9°30'20	14♒56	21°56	9° 0	9°40	28°32	8°29	23°D14	8°55	26° 4	13°D42	13°46	7°33	21°11	W28
T 29	20 47 19	10°28'01	29°59	23°26	8°23	10°14	28°28	8°34	23°14	8°55	26° 3	13°42	13°43	7°39	21°15	T 29
F 30	20 51 15	11°25'42	15♓ 1	25° 0	7°46	10°48	28°24	8°39	23°14	8°56	26° 2	13°42	13°39	7°46	21°19	F 30
S 31	20 55 12	12♌23'26	29♓51	26♋39	7♌10	11♉22	28♐20	8♊44	23♏14	8♉56	26♒ 1	13♒42	13♒36	7♍53	21♊23	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	22n51	14s 0	0n38	17n43	4s42	13n54	2s 5	7n 2	2s 5	23s38	0s 5	19n48	1s36	18s34	0n11	12n42	1s49	25s 3	13s10	16s44	16s22	8n18	19n 8	3s59	
F 2	22 45	7 44	1 56	17 44	4 47	13 39	2 17	7 17	2 5	23 39	0 5	19 49	1 36	18 34	0 11	12 43	1 49	25 3	13 10	16 44	16 23	8 15	19 8	3 59	
S 3	22 39	1 7	3 5	17 45	4 50	13 25	2 30	7 31	2 5	23 39	0 5	19 51	1 36	18 34	0 11	12 43	1 50	25 4	13 11	16 43	16 24	8 12	19 9	4 0	
S 4	22 32	5n26	4 2	17 49	4 52	13 11	2 43	7 45	2 5	23 39	0 5	19 52	1 36	18 33	0 11	12 43	1 50	25 5	13 11	16 43	16 25	8 8	19 9	4 0	
M 5	22 25	11 36	4 44	17 54	4 51	12 57	2 56	8 0	2 5	23 39	0 5	19 53	1 36	18 33	0 11	12 44	1 50	25 5	13 11	16 43	16 26	8 5	19 9	4 0	
T 6	22 17	17 4	5 8	18 0	4 49	12 44	3 9	8 14	2 5	23 39	0 6	19 54	1 36	18 33	0 11	12 44	1 50	25 6	13 11	16 43	16 26	8 2	19 9	4 0	
W 7	22 9	21 36	5 14	18 7	4 46	12 32	3 22	8 28	2 5	23 39	0 6	19 55	1 36	18 33	0 11	12 44	1 50	25 6	13 12	16 44	16 27	7 59	19 9	4 1	
T 8	22 1	24 57	5 4	18 16	4 40	12 20	3 36	8 42	2 5	23 40	0 6	19 56	1 36	18 32	0 11	12 44	1 50	25 7	13 12	16 44	16 28	7 56	19 9	4 1	
F 9	21 52	26 55	4 38	18 25	4 33	12 8	3 49	8 55	2 5	23 40	0 6	19 57	1 36	18 32	0 11	12 45	1 50	25 7	13 12	16 45	16 29	7 52	19 9	4 1	
S 10	21 43	27 25	3 58	18 36	4 25	11 57	4 3	9 9	2 5	23 40	0 6	19 58	1 36	18 32	0 11	12 45	1 50	25 8	13 12	16 46	16 30	7 49	19 10	4 1	
S 11	21 33	26 30	3 8	18 48	4 15	11 47	4 17	9 23	2 5	23 40	0 6	19 59	1 37	18 32	0 11	12 45	1 50	25 8	13 12	16 47	16 31	7 46	19 10	4 2	
M12	21 23	24 16	2 9	19 0	4 4	11 37	4 31	9 36	2 5	23 40	0 6	20 0	1 37	18 32	0 11	12 45	1 50	25 9	13 13	16 48	16 32	7 43	19 10	4 2	
T 13	21 13	20 58	1 6	19 13	3 52	11 29	4 44	9 49	2 5	23 40	0 7	20 1	1 37	18 31	0 11	12 46	1 50	25 10	13 13	16 48	16 33	7 39	19 10	4 2	
W14	21 3	16 48	0s 0	19 26	3 39	11 21	4 58	10 2	2 4	23 40	0 7	20 2	1 37	18 31	0 11	12 46	1 50	25 10	13 13	16 48	16 34	7 36	19 10	4 2	
T 15	20 52	12 2	1 5	19 40	3 25	11 13	5 12	10 15	2 4	23 41	0 7	20 3	1 37	18 31	0 11	12 46	1 50	25 11	13 13	16 48	16 35	7 33	19 10	4 3	
F 16	20 40	6 52	2 8	19 53	3 10	11 6	5 25	10 28	2 4	23 41	0 7	20 4	1 37	18 31	0 11	12 46	1 50	25 11	13 13	16 48	16 36	7 30	19 10	4 3	
S 17	20 28	1 29	3 4	20 7	2 55	11 1	5 38	10 41	2 4	23 41	0 7	20 5	1 37	18 31	0 11	12 46	1 50	25 12	13 14	16 48	16 37	7 27	19 10	4 3	
S 18	20 16	3s58	3 53	20 21	2 40	10 56	5 51	10 54	2 4	23 41	0 7	20 6	1 37	18 31	0 11	12 47	1 50	25 12	13 14	16 47	16 38	7 23	19 10	4 3	
M19	20 4	9 19	4 33	20 34	2 24	10 51	6 4	11 6	2 3	23 41	0 7	20 6	1 37	18 31	0 11	12 47	1 50	25 13	13 14	16 47	16 39	7 20	19 10	4 4	
T 20	19 51	14 24	5 1	20 46	2 8	10 48	6 16	11 19	2 3	23 41	0 7	20 7	1 37	18 31	0 11	12 47	1 50	25 14	13 14	16 47	16 39	7 17	19 10	4 4	
W21	19 38	19 2	5 15	20 58	1 51	10 45	6 28	11 31	2 3	23 41	0 8	20 8	1 37	18 30	0 11	12 47	1 51	25 14	13 14	16 47	16 40	7 14	19 10	4 4	
T 22	19 25	22 56	5 15	21 9	1 35	10 43	6 39	11 43	2 3	23 41	0 8	20 9	1 37	18 30	0 11	12 47	1 51	25 15	13 15	16 47	16 41	7 11	19 10	4 5	
F 23	19 11	25 49	4 59	21 18	1 19	10 42	6 50	11 55	2 2	23 41	0 8	20 10	1 37	18 30	0 11	12 47	1 51	25 15	13 15	16 47	16 42	7 7	19 10	4 5	
S 24	18 57	27 19	4 26	21 27	1 4	10 42	7 0	12 7	2 2	23 41	0 8	20 11	1 37	18 30	0 11	12 47	1 51	25 16	13 15	16 47	16 43	7 4	19 10	4 5	
S 25	18 43	27 10	3 36	21 33	0 48	10 42	7 10	12 18	2 2	23 42	0 8	20 11	1 37	18 30	0 11	12 47	1 51	25 16	13 15	16 48	16 44	7 1	19 10	4 6	
M26	18 28	25 12	2 32	21 38	0 33	10 44	7 18	12 30	2 1	23 42	0 8	20 12	1 37	18 30	0 11	12 47	1 51	25 17	13 15	16 48	16 45	6 58	19 10	4 6	
T 27	18 13	21 30	1 16	21 41	0 19	10 46	7 26	12 41	2 1	23 42	0 8	20 13	1 38	18 30	0 11	12 47	1 51	25 18	13 15	16 48	16 46	6 54	19 10	4 6	
W28	17 58	16 20	0n 7	21 41	0 5	10 48	7 33	12 52	2 1	23 42	0 8	20 14	1 38	18 30	0 11	12 48	1 51	25 18	13 15	16 48	16 47	6 51	19 10	4 7	
T 29	17 42	10 8	1 29	21 39	0n 9	10 51	7 40	13 4	2 0	23 42	0 9	20 14	1 38	18 30	0 10	12 48	1 51	25 19	13 16	16 48	16 48	6 48	19 10	4 7	
F 30	17 26	3 23	2 45	21 35	0 21	10 55	7 45	13 15	2 0	23 42	0 9	20 15	1 38	18 30	0 10	12 48	1 51	25 19	13 16	16 48	16 49	6 45	19 10	4 7	
S 31	17n10	3n27	3n49	21n28	0n33	11n 0	7s50	13n25	1s59	23s42	0s 9	20n16	1s38	18s30	0n10	12n48	1s51	25s20	13s16	16s48	16s50	6n41	19n10	4s 8	

Julian Day Number = 2108038.5, Delta T = 20m05s
Ecliptic obliquity = 23°33'46, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°37'48, Lahiri = 10°44'49 Julian Calendar 1 July 1059 == Greg. Calendar 7 July 1059

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1059
geocentric

AUGUST 1059 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 59 8	13♌21'11	14♈24	28♋21	6°R34	11♉55	28°R17	8♊49	23♏14	8♉56	25°R59	13°R42	13♒33	7♍59	21♊27	S 1
M 2	21 3 5	14°18'57	28°35	0♌ 7	5♌59	12°28	28♐14	8°53	23°14	8°56	25♒58	13♒42	13°30	8° 6	21°31	M 2
T 3	21 7 2	15°16'46	12♉24	1°56	5°26	13° 1	28°10	8°58	23°15	8°56	25°57	13°D42	13°27	8°13	21°35	T 3
W 4	21 10 58	16°14'36	25°50	3°47	4°54	13°34	28° 7	9° 3	23°15	8°57	25°56	13°42	13°23	8°19	21°39	W 4
T 5	21 14 55	17°12'29	8♊55	5°40	4°23	14° 6	28° 5	9° 7	23°15	8°57	25°54	13°42	13°20	8°26	21°43	T 5
F 6	21 18 51	18°10'23	21°41	7°35	3°54	14°39	28° 2	9°11	23°16	8°57	25°53	13°43	13°17	8°33	21°47	F 6
S 7	21 22 48	19° 8'19	4♋11	9°32	3°27	15°10	28° 0	9°16	23°16	8°R57	25°52	13°43	13°14	8°39	21°50	S 7
S 8	21 26 44	20° 6'17	16°27	11°29	3° 2	15°42	27°57	9°20	23°17	8°57	25°51	13°44	13°11	8°46	21°54	S 8
M 9	21 30 41	21° 4'16	28°34	13°27	2°40	16°13	27°55	9°24	23°18	8°57	25°49	13°44	13° 8	8°53	21°57	M 9
T 10	21 34 37	22° 2'17	10♌32	15°26	2°19	16°44	27°53	9°28	23°18	8°57	25°48	13°R45	13° 4	8°59	22° 1	T 10
W11	21 38 34	23° 0'20	22°25	17°24	2° 1	17°15	27°52	9°32	23°19	8°56	25°47	13°45	13° 1	9° 6	22° 4	W11
T 12	21 42 31	23°58'25	4♍14	19°22	1°45	17°45	27°50	9°36	23°20	8°56	25°46	13°44	12°58	9°13	22° 8	T 12
F 13	21 46 27	24°56'31	16° 2	21°20	1°31	18°15	27°49	9°40	23°21	8°56	25°44	13°43	12°55	9°19	22°11	F 13
S 14	21 50 24	25°54'38	27°50	23°18	1°20	18°45	27°48	9°43	23°21	8°56	25°43	13°41	12°52	9°26	22°14	S 14
S 15	21 54 20	26°52'48	9♎43	25°14	1°11	19°14	27°47	9°47	23°22	8°56	25°42	13°39	12°49	9°33	22°18	S 15
M16	21 58 17	27°50'59	21°41	27°10	1° 4	19°43	27°46	9°50	23°23	8°55	25°41	13°37	12°45	9°39	22°21	M16
T 17	22 2 13	28°49'11	3♏50	29° 5	1° 0	20°11	27°46	9°54	23°24	8°55	25°39	13°36	12°42	9°46	22°24	T 17
W18	22 6 10	29°47'25	16°12	0♍59	0°D58	20°40	27°45	9°57	23°25	8°55	25°38	13°34	12°39	9°53	22°27	W18
T 19	22 10 6	0♍45'41	28°52	2°52	0°59	21° 7	27°D45	10° 0	23°27	8°54	25°37	13°D34	12°36	9°59	22°30	T 19
F 20	22 14 3	1°43'59	11♐52	4°44	1° 2	21°35	27°45	10° 3	23°28	8°54	25°36	13°34	12°33	10° 6	22°33	F 20
S 21	22 18 0	2°42'17	25°17	6°35	1° 7	22° 2	27°45	10° 6	23°29	8°53	25°34	13°35	12°29	10°13	22°36	S 21
S 22	22 21 56	3°40'38	9♑ 8	8°24	1°14	22°29	27°46	10° 9	23°30	8°53	25°33	13°36	12°26	10°19	22°38	S 22
M23	22 25 53	4°39'00	23°26	10°13	1°24	22°55	27°46	10°12	23°32	8°52	25°32	13°38	12°23	10°26	22°41	M23
T 24	22 29 49	5°37'24	8♒ 7	12° 1	1°36	23°21	27°47	10°15	23°33	8°52	25°31	13°R38	12°20	10°33	22°44	T 24
W25	22 33 46	6°35'49	23° 8	13°47	1°49	23°46	27°48	10°18	23°34	8°51	25°29	13°38	12°17	10°39	22°46	W25
T 26	22 37 42	7°34'17	8♓21	15°32	2° 5	24°11	27°49	10°20	23°36	8°51	25°28	13°37	12°14	10°46	22°49	T 26
F 27	22 41 39	8°32'46	23°35	17°16	2°23	24°36	27°51	10°22	23°37	8°50	25°27	13°35	12°10	10°53	22°51	F 27
S 28	22 45 35	9°31'17	8♈42	19° 0	2°42	25° 0	27°52	10°25	23°39	8°49	25°26	13°31	12° 7	10°59	22°54	S 28
S 29	22 49 32	10°29'50	23°31	20°42	3° 4	25°24	27°54	10°27	23°40	8°49	25°24	13°28	12° 4	11° 6	22°56	S 29
M30	22 53 28	11°28'26	7♉57	22°23	3°27	25°47	27°56	10°29	23°42	8°48	25°23	13°24	12° 1	11°13	22°58	M30
T 31	22 57 25	12♍27'04	21♉55	24♍ 3	3♌52	26♉10	27♐58	10♊31	23♏44	8♉47	25♒22	13♒21	11♒58	11♍19	23♊ 0	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n54	9n57	4n37	21n19	0n44	11n 5	7s54	13n36	1s59	23s42	0s 9	20n16	1s38	18s31	0n10	12n48	1s51	25s20	13s16	16s48	16s51	6n38	19n10	4s 8
M 2	16 37	15 48	5 7	21 7	0 54	11 10	7 57	13 47	1 59	23 42	0 9	20 17	1 38	18 31	0 10	12 48	1 51	25 21	13 16	16 48	16 51	6 35	19 10	4 8
T 3	16 20	20 40	5 18	20 52	1 3	11 16	7 59	13 57	1 58	23 42	0 9	20 18	1 38	18 31	0 10	12 48	1 51	25 21	13 16	16 48	16 52	6 32	19 10	4 9
W 4	16 3	24 20	5 11	20 34	1 12	11 22	8 0	14 7	1 58	23 42	0 9	20 18	1 38	18 31	0 10	12 48	1 51	25 22	13 16	16 48	16 53	6 29	19 9	4 9
T 5	15 45	26 38	4 48	20 14	1 19	11 29	8 0	14 17	1 57	23 42	0 9	20 19	1 38	18 31	0 10	12 48	1 51	25 22	13 16	16 48	16 54	6 25	19 9	4 9
F 6	15 28	27 28	4 11	19 51	1 26	11 36	8 0	14 27	1 57	23 42	0 10	20 19	1 38	18 31	0 10	12 47	1 52	25 23	13 16	16 48	16 55	6 22	19 9	4 10
S 7	15 10	26 52	3 23	19 25	1 31	11 43	7 59	14 37	1 56	23 42	0 10	20 20	1 38	18 31	0 10	12 47	1 52	25 23	13 16	16 48	16 56	6 19	19 9	4 10
S 8	14 51	24 57	2 26	18 57	1 36	11 50	7 57	14 47	1 56	23 43	0 10	20 20	1 39	18 31	0 10	12 47	1 52	25 24	13 17	16 47	16 57	6 16	19 9	4 10
M 9	14 33	21 55	1 23	18 28	1 40	11 58	7 54	14 56	1 55	23 43	0 10	20 21	1 39	18 32	0 10	12 47	1 52	25 25	13 17	16 47	16 58	6 12	19 9	4 11
T 10	14 14	17 58	0 18	17 56	1 43	12 6	7 51	15 6	1 54	23 43	0 10	20 21	1 39	18 32	0 10	12 47	1 52	25 25	13 17	16 47	16 59	6 9	19 9	4 11
W11	13 55	13 22	0s48	17 22	1 45	12 13	7 47	15 15	1 54	23 43	0 10	20 22	1 39	18 32	0 10	12 47	1 52	25 26	13 17	16 47	17 0	6 6	19 8	4 12
T 12	13 36	8 17	1 51	16 46	1 46	12 21	7 43	15 24	1 53	23 43	0 10	20 22	1 39	18 32	0 10	12 47	1 52	25 26	13 17	16 47	17 1	6 3	19 8	4 12
F 13	13 16	2 56	2 50	16 9	1 47	12 29	7 38	15 33	1 52	23 43	0 10	20 23	1 39	18 32	0 10	12 47	1 52	25 27	13 17	16 48	17 1	5 59	19 8	4 12
S 14	12 57	2s30	3 41	15 30	1 47	12 37	7 32	15 42	1 52	23 43	0 10	20 23	1 39	18 33	0 10	12 47	1 52	25 27	13 17	16 48	17 2	5 56	19 8	4 13
S 15	12 37	7 53	4 23	14 51	1 46	12 44	7 26	15 50	1 51	23 43	0 10	20 24	1 39	18 33	0 10	12 47	1 52	25 27	13 17	16 49	17 3	5 53	19 8	4 13
M16	12 17	13 1	4 53	14 10	1 45	12 52	7 20	15 59	1 50	23 43	0 11	20 24	1 39	18 33	0 10	12 46	1 52	25 28	13 17	16 49	17 4	5 50	19 7	4 14
T 17	11 57	17 44	5 12	13 28	1 43	12 59	7 13	16 7	1 50	23 43	0 11	20 25	1 39	18 33	0 10	12 46	1 52	25 28	13 17	16 50	17 5	5 47	19 7	4 14
W18	11 36	21 48	5 16	12 45	1 41	13 7	7 6	16 16	1 49	23 43	0 11	20 25	1 40	18 34	0 10	12 46	1 52	25 29	13 17	16 50	17 6	5 43	19 7	4 14
T 19	11 16	24 58	5 5	12 2	1 38	13 14	6 59	16 24	1 48	23 44	0 11	20 25	1 40	18 34	0 10	12 46	1 52	25 29	13 17	16 50	17 7	5 40	19 7	4 15
F 20	10 55	26 56	4 38	11 18	1 35	13 21	6 51	16 31	1 47	23 44	0 11	20 26	1 40	18 34	0 10	12 46	1 52	25 30	13 17	16 50	17 8	5 37	19 6	4 15
S 21	10 34	27 25	3 56	10 33	1 31	13 27	6 43	16 39	1 47	23 44	0 11	20 26	1 40	18 35	0 10	12 46	1 52	25 30	13 17	16 50	17 9	5 34	19 6	4 16
S 22	10 13	26 13	2 59	9 48	1 27	13 34	6 35	16 47	1 46	23 44	0 11	20 26	1 40	18 35	0 10	12 45	1 53	25 31	13 17	16 50	17 10	5 30	19 6	4 16
M23	9 51	23 19	1 49	9 3	1 22	13 40	6 26	16 54	1 45	23 44	0 11	20 27	1 40	18 35	0 10	12 45	1 53	25 31	13 17	16 49	17 10	5 27	19 6	4 16
T 24	9 30	18 49	0 30	8 17	1 17	13 46	6 18	17 2	1 44	23 44	0 11	20 27	1 40	18 36	0 10	12 45	1 53	25 32	13 17	16 49	17 11	5 24	19 5	4 17
W25	9 8	13 3	0n52	7 31	1 12	13 51	6 9	17 9	1 43	23 44	0 11	20 27	1 40	18 36	0 10	12 45	1 53	25 32	13 17	16 49	17 12	5 21	19 5	4 17
T 26	8 46	6 27	2 12	6 45	1 7	13 56	6 1	17 16	1 42	23 44	0 12	20 27	1 40	18 36	0 10	12 44	1 53	25 32	13 17	16 49	17 13	5 17	19 5	4 18
F 27	8 24	0n32	3 22	6 0	1 1	14 1	5 52	17 23	1 41	23 44	0 12	20 28	1 41	18 37	0 10	12 44	1 53	25 33	13 17	16 50	17 14	5 14	19 4	4 18
S 28	8 2	7 25	4 18	5 14	0 55	14 5	5 43	17 30	1 40	23 45	0 12	20 28	1 41	18 37	0 10	12 44	1 53	25 33	13 17	16 51	17 15	5 11	19 4	4 18
S 29	7 40	13 44	4 55	4 28	0 49	14 9	5 34	17 36	1 39	23 45	0 12	20 28	1 41	18 38	0 10	12 44	1 53	25 34	13 17	16 52	17 16	5 8	19 4	4 19
M30	7 18	19 9	5 12	3 42	0 43	14 13	5 25	17 43	1 38	23 45	0 12	20 28	1 41	18 38	0 10	12 43	1 53	25 34	13 17	16 53	17 17	5 4	19 4	4 19
T 31	6n55	23n20	5n10	2n56	0n36	14n16	5s16	17n49	1s37	23s45	0s12	20n28	1s41	18s39	0n10	12n43	1s53	25s34	13s17	16s54	17s18	5n 1	19n 3	4s20

Julian Day Number = 2108069.5, Delta T = 20m04s
Ecliptic obliquity = 23°33'47, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°37'53, Lahiri = 10°44'53 Julian Calendar 1 Aug. 1059 == Greg. Calendar 7 Aug. 1059

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1059
geocentric

SEPTEMBER 1059 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 1 22	13♍25'44	5♊25	25♍42	4♌19	26♉32	28♐ 0	10♊33	23♏46	8°R47	25°R21	13°R20	11♒55	11♍26	23♊ 2	W 1
T 2	23 5 18	14°24'27	18°29	27°20	4°47	26°54	28° 3	10°35	23°47	8♉46	25♒20	13°D20	11°51	11°33	23° 4	T 2
F 3	23 9 15	15°23'12	1♋10	28°57	5°17	27°15	28° 6	10°36	23°49	8°45	25°18	13♒21	11°48	11°39	23° 6	F 3
S 4	23 13 11	16°21'59	13°32	0♎33	5°49	27°36	28° 8	10°38	23°51	8°44	25°17	13°22	11°45	11°46	23° 8	S 4
S 5	23 17 8	17°20'48	25°39	2° 8	6°21	27°56	28°11	10°39	23°53	8°43	25°16	13°24	11°42	11°53	23°10	S 5
M 6	23 21 4	18°19'40	7♌37	3°42	6°56	28°16	28°15	10°41	23°55	8°42	25°15	13°R25	11°39	11°59	23°12	M 6
T 7	23 25 1	19°18'34	19°28	5°15	7°31	28°35	28°18	10°42	23°57	8°41	25°14	13°25	11°35	12° 6	23°13	T 7
W 8	23 28 57	20°17'29	1♍16	6°48	8° 8	28°53	28°22	10°43	23°59	8°40	25°13	13°23	11°32	12°13	23°15	W 8
T 9	23 32 54	21°16'28	13° 3	8°19	8°46	29°11	28°26	10°44	24° 1	8°39	25°12	13°20	11°29	12°19	23°16	T 9
F 10	23 36 51	22°15'28	24°53	9°50	9°25	29°29	28°29	10°45	24° 3	8°38	25°10	13°14	11°26	12°26	23°18	F 10
S 11	23 40 47	23°14'30	6♎47	11°19	10° 6	29°45	28°34	10°46	24° 6	8°37	25° 9	13° 8	11°23	12°33	23°19	S 11
S 12	23 44 44	24°13'34	18°46	12°48	10°47	0♊ 2	28°38	10°47	24° 8	8°36	25° 8	13° 0	11°20	12°39	23°20	S 12
M13	23 48 40	25°12'40	0♏52	14°16	11°30	0°17	28°42	10°47	24°10	8°35	25° 7	12°52	11°16	12°46	23°21	M13
T 14	23 52 37	26°11'49	13° 8	15°43	12°14	0°32	28°47	10°48	24°12	8°34	25° 6	12°45	11°13	12°53	23°23	T 14
W15	23 56 33	27°10'59	25°34	17° 9	12°58	0°46	28°52	10°48	24°15	8°33	25° 5	12°39	11°10	12°59	23°24	W15
T 16	0 0 30	28°10'11	8♐15	18°34	13°44	1° 0	28°57	10°48	24°17	8°31	25° 4	12°35	11° 7	13° 6	23°24	T 16
F 17	0 4 26	29° 9'25	21°12	19°58	14°30	1°12	29° 2	10°48	24°20	8°30	25° 3	12°33	11° 4	13°13	23°25	F 17
S 18	0 8 23	0♎ 8'41	4♑30	21°21	15°18	1°25	29° 7	10°R48	24°22	8°29	25° 2	12°D33	11° 0	13°19	23°26	S 18
S 19	0 12 20	1° 7'58	18° 9	22°43	16° 6	1°36	29°13	10°48	24°25	8°28	25° 1	12°33	10°57	13°26	23°27	S 19
M20	0 16 16	2° 7'17	2♒12	24° 4	16°55	1°47	29°19	10°48	24°27	8°26	25° 0	12°35	10°54	13°33	23°27	M20
T 21	0 20 13	3° 6'39	16°40	25°24	17°45	1°57	29°25	10°48	24°30	8°25	24°59	12°R35	10°51	13°39	23°28	T 21
W22	0 24 9	4° 6'01	1♓28	26°42	18°35	2° 6	29°31	10°47	24°33	8°24	24°58	12°33	10°48	13°46	23°28	W22
T 23	0 28 6	5° 5'26	16°33	27°59	19°27	2°15	29°37	10°47	24°35	8°23	24°57	12°30	10°45	13°53	23°29	T 23
F 24	0 32 2	6° 4'53	1♈44	29°15	20°19	2°23	29°43	10°46	24°38	8°21	24°56	12°24	10°41	13°59	23°29	F 24
S 25	0 35 59	7° 4'22	16°53	0♏30	21°12	2°30	29°50	10°45	24°41	8°20	24°55	12°16	10°38	14° 6	23°29	S 25
S 26	0 39 55	8° 3'52	1♉49	1°43	22° 5	2°36	29°56	10°44	24°43	8°18	24°55	12° 7	10°35	14°13	23°29	S 26
M27	0 43 52	9° 3'26	16°24	2°54	22°59	2°41	0♑ 3	10°43	24°46	8°17	24°54	11°58	10°32	14°19	23°R29	M27
T 28	0 47 49	10° 3'01	0♊31	4° 4	23°54	2°46	0°10	10°42	24°49	8°16	24°53	11°51	10°29	14°26	23°29	T 28
W29	0 51 45	11° 2'39	14° 9	5°11	24°49	2°50	0°17	10°41	24°52	8°14	24°52	11°46	10°26	14°33	23°29	W29
T 30	0 55 42	12♎ 2'19	27♊18	6♏17	25♌45	2♊53	0♑24	10♊40	24♏55	8♉13	24♒51	11♒42	10♒22	14♍39	23♊29	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	6n33	26n 5	4n51	2n11	0n30	14n19	5s 6	17n55	1s36	23s45	0s12	20n29	1s41	18s39	0n10	12n43	1s53	25s35	13s17	16s54	17s18	4n58	19n 3	4s20	W 1
T 2	6 10	27 19	4 17	1 25	0 23	14 21	4 57	18 2	1 35	23 45	0 12	20 29	1 41	18 39	0 10	12 43	1 53	25 35	13 17	16 54	17 19	4 55	19 3	4 21	T 2
F 3	5 47	27 4	3 31	0 40	0 16	14 23	4 48	18 8	1 34	23 45	0 12	20 29	1 41	18 40	0 10	12 42	1 53	25 35	13 16	16 54	17 20	4 51	19 2	4 21	F 3
S 4	5 24	25 28	2 36	0s 5	0 9	14 24	4 39	18 13	1 33	23 45	0 12	20 29	1 41	18 40	0 10	12 42	1 53	25 36	13 16	16 54	17 21	4 48	19 2	4 22	S 4
S 5	5 1	22 41	1 36	0 49	0 2	14 25	4 30	18 19	1 31	23 46	0 12	20 29	1 42	18 41	0 10	12 42	1 53	25 36	13 16	16 53	17 22	4 45	19 1	4 22	S 5
M 6	4 38	18 58	0 32	1 34	0s 5	14 26	4 21	18 25	1 30	23 46	0 13	20 29	1 42	18 41	0 10	12 41	1 53	25 36	13 16	16 53	17 23	4 42	19 1	4 22	M 6
T 7	4 15	14 32	0s33	2 17	0 12	14 25	4 12	18 30	1 29	23 46	0 13	20 29	1 42	18 42	0 10	12 41	1 53	25 37	13 16	16 53	17 24	4 38	19 1	4 23	T 7
W 8	3 52	9 35	1 36	3 1	0 20	14 25	4 3	18 35	1 28	23 46	0 13	20 29	1 42	18 42	0 10	12 40	1 53	25 37	13 16	16 53	17 25	4 35	19 0	4 23	W 8
T 9	3 29	4 19	2 34	3 44	0 27	14 24	3 54	18 41	1 26	23 46	0 13	20 29	1 42	18 43	0 10	12 40	1 53	25 37	13 16	16 54	17 26	4 32	19 0	4 24	T 9
F 10	3 5	1s 7	3 26	4 26	0 34	14 22	3 45	18 46	1 25	23 46	0 13	20 29	1 42	18 44	0 10	12 40	1 53	25 38	13 16	16 56	17 26	4 29	19 0	4 24	F 10
S 11	2 42	6 31	4 9	5 9	0 42	14 20	3 36	18 51	1 24	23 46	0 13	20 29	1 42	18 44	0 10	12 39	1 54	25 38	13 16	16 58	17 27	4 25	18 59	4 25	S 11
S 12	2 18	11 44	4 42	5 50	0 49	14 17	3 28	18 55	1 22	23 46	0 13	20 29	1 42	18 45	0 10	12 39	1 54	25 38	13 16	17 0	17 28	4 22	18 59	4 25	S 12
M13	1 55	16 33	5 2	6 31	0 57	14 14	3 19	19 0	1 21	23 47	0 13	20 29	1 42	18 45	0 10	12 39	1 54	25 38	13 15	17 2	17 29	4 19	18 58	4 26	M13
T 14	1 31	20 45	5 9	7 12	1 4	14 10	3 10	19 5	1 19	23 47	0 13	20 29	1 43	18 46	0 10	12 38	1 54	25 39	13 15	17 4	17 30	4 16	18 58	4 26	T 14
W15	1 8	24 7	5 1	7 52	1 11	14 6	3 2	19 9	1 18	23 47	0 13	20 29	1 43	18 46	0 10	12 38	1 54	25 39	13 15	17 6	17 31	4 12	18 58	4 27	W15
T 16	0 44	26 23	4 39	8 31	1 18	14 1	2 54	19 13	1 16	23 47	0 13	20 29	1 43	18 47	0 10	12 37	1 54	25 39	13 15	17 7	17 32	4 9	18 57	4 27	T 16
F 17	0 20	27 17	4 2	9 10	1 25	13 56	2 45	19 17	1 15	23 47	0 13	20 29	1 43	18 48	0 10	12 37	1 54	25 39	13 15	17 8	17 33	4 6	18 57	4 28	F 17
S 18	0s 3	26 40	3 11	9 48	1 32	13 50	2 37	19 21	1 13	23 47	0 14	20 29	1 43	18 48	0 10	12 36	1 54	25 40	13 15	17 8	17 33	4 3	18 56	4 28	S 18
S 19	0 27	24 26	2 8	10 25	1 39	13 44	2 29	19 25	1 11	23 47	0 14	20 29	1 43	18 49	0 10	12 36	1 54	25 40	13 15	17 8	17 34	3 59	18 56	4 28	S 19
M20	0 51	20 40	0 56	11 2	1 46	13 37	2 21	19 29	1 10	23 47	0 14	20 29	1 43	18 50	0 10	12 36	1 54	25 40	13 14	17 7	17 35	3 56	18 55	4 29	M20
T 21	1 15	15 34	0n22	11 37	1 53	13 29	2 13	19 33	1 8	23 47	0 14	20 28	1 43	18 50	0 10	12 35	1 54	25 40	13 14	17 7	17 36	3 53	18 55	4 29	T 21
W22	1 38	9 27	1 40	12 12	1 59	13 21	2 5	19 36	1 6	23 48	0 14	20 28	1 43	18 51	0 10	12 35	1 54	25 40	13 14	17 8	17 37	3 50	18 54	4 30	W22
T 23	2 2	2 42	2 52	12 46	2 6	13 13	1 57	19 40	1 4	23 48	0 14	20 28	1 44	18 52	0 10	12 34	1 54	25 41	13 14	17 9	17 38	3 46	18 54	4 30	T 23
F 24	2 26	4n15	3 53	13 19	2 12	13 4	1 49	19 43	1 3	23 48	0 14	20 28	1 44	18 52	0 9	12 34	1 54	25 41	13 14	17 10	17 39	3 43	18 54	4 31	F 24
S 25	2 49	10 55	4 36	13 51	2 18	12 54	1 42	19 47	1 1	23 48	0 14	20 28	1 44	18 53	0 9	12 33	1 54	25 41	13 14	17 12	17 40	3 40	18 53	4 31	S 25
S 26	3 13	16 52	5 1	14 23	2 24	12 44	1 34	19 50	0 59	23 48	0 14	20 28	1 44	18 54	0 9	12 33	1 54	25 41	13 13	17 15	17 40	3 37	18 53	4 32	S 26
M27	3 36	21 41	5 5	14 53	2 29	12 33	1 27	19 53	0 57	23 48	0 14	20 27	1 44	18 54	0 9	12 32	1 54	25 41	13 13	17 17	17 41	3 33	18 52	4 32	M27
T 28	4 0	25 5	4 50	15 21	2 34	12 22	1 20	19 55	0 55	23 48	0 14	20 27	1 44	18 55	0 9	12 32	1 54	25 41	13 13	17 19	17 42	3 30	18 52	4 33	T 28
W29	4 24	26 53	4 18	15 49	2 39	12 11	1 13	19 58	0 53	23 48	0 14	20 27	1 44	18 56	0 9	12 31	1 54	25 41	13 13	17 21	17 43	3 27	18 51	4 33	W29
T 30	4s47	27n 6	3n34	16s15	2s44	11n58	1s 5	20n 1	0s51	23s48	0s14	20n27	1s44	18s57	0n 9	12n31	1s54	25s41	13s13	17s22	17s44	3n24	18n51	4s34	T 30

Julian Day Number = 2108100.5, Delta T = 20m04s
Ecliptic obliquity = 23°33'47, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°37'57, Lahiri = 10°44'57 Julian Calendar 1 Sept. 1059 == Greg. Calendar 7 Sept. 1059

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1059
geocentric

OCTOBER 1059 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 59 38	13♎ 2'02	10♋ 0	7♏20	26♌42	2♊55	0♑32	10°R38	24♏58	8°R11	24°R51	11°D41	10♒19	14♍46	23°R29	F 1
S 2	1 3 35	14° 1'46	22°22	8°20	27°39	2°56	0°39	10♊37	25° 1	8♉10	24♒50	11♒41	10°16	14°53	23♊28	S 2
S 3	1 7 31	15° 1'33	4♌27	9°18	28°37	2°R56	0°47	10°35	25° 4	8° 8	24°49	11°42	10°13	14°59	23°28	S 3
M 4	1 11 28	16° 1'23	16°21	10°13	29°35	2°56	0°55	10°33	25° 7	8° 7	24°48	11°R42	10°10	15° 6	23°27	M 4
T 5	1 15 24	17° 1'14	28°10	11° 4	0♍34	2°54	1° 3	10°32	25°10	8° 5	24°48	11°41	10° 6	15°13	23°27	T 5
W 6	1 19 21	18° 1'08	9♍57	11°51	1°33	2°52	1°11	10°30	25°13	8° 3	24°47	11°37	10° 3	15°19	23°26	W 6
T 7	1 23 18	19° 1'04	21°46	12°34	2°32	2°49	1°19	10°28	25°16	8° 2	24°46	11°30	10° 0	15°26	23°25	T 7
F 8	1 27 14	20° 1'02	3♎40	13°12	3°32	2°45	1°27	10°25	25°19	8° 0	24°46	11°21	9°57	15°33	23°24	F 8
S 9	1 31 11	21° 1'01	15°41	13°45	4°33	2°40	1°36	10°23	25°22	7°59	24°45	11° 9	9°54	15°39	23°23	S 9
S 10	1 35 7	22° 1'03	27°51	14°13	5°34	2°34	1°45	10°21	25°26	7°57	24°44	10°56	9°51	15°46	23°22	S 10
M11	1 39 4	23° 1'07	10♏11	14°34	6°35	2°27	1°53	10°18	25°29	7°55	24°44	10°43	9°47	15°53	23°21	M11
T 12	1 43 0	24° 1'13	22°40	14°48	7°37	2°20	2° 2	10°16	25°32	7°54	24°43	10°30	9°44	15°59	23°20	T 12
W13	1 46 57	25° 1'21	5♐20	14°R54	8°39	2°11	2°11	10°13	25°35	7°52	24°43	10°19	9°41	16° 6	23°19	W13
T 14	1 50 53	26° 1'30	18°11	14°52	9°41	2° 2	2°20	10°10	25°39	7°51	24°42	10°11	9°38	16°13	23°18	T 14
F 15	1 54 50	27° 1'41	1♑14	14°41	10°44	1°52	2°30	10° 7	25°42	7°49	24°42	10° 6	9°35	16°19	23°16	F 15
S 16	1 58 47	28° 1'54	14°32	14°21	11°47	1°41	2°39	10° 5	25°45	7°47	24°41	10° 4	9°32	16°26	23°15	S 16
S 17	2 2 43	29° 2'08	28° 6	13°51	12°51	1°29	2°49	10° 1	25°49	7°46	24°41	10°D 3	9°28	16°33	23°13	S 17
M18	2 6 40	0♏ 2'23	11♒58	13°11	13°55	1°16	2°58	9°58	25°52	7°44	24°41	10°R 3	9°25	16°39	23°11	M18
T 19	2 10 36	1° 2'40	26° 8	12°22	14°59	1° 2	3° 8	9°55	25°56	7°42	24°40	10° 3	9°22	16°46	23°10	T 19
W20	2 14 33	2° 2'59	10♓36	11°24	16° 3	0°48	3°18	9°52	25°59	7°41	24°40	10° 0	9°19	16°53	23° 8	W20
T 21	2 18 29	3° 3'19	25°20	10°18	17° 8	0°33	3°28	9°48	26° 3	7°39	24°40	9°55	9°16	16°59	23° 6	T 21
F 22	2 22 26	4° 3'40	10♈12	9° 5	18°13	0°17	3°38	9°45	26° 6	7°37	24°39	9°47	9°12	17° 6	23° 4	F 22
S 23	2 26 22	5° 4'03	25° 6	7°47	19°19	0° 0	3°48	9°41	26° 9	7°35	24°39	9°36	9° 9	17°13	23° 2	S 23
S 24	2 30 19	6° 4'28	9♉52	6°27	20°24	29♉43	3°59	9°38	26°13	7°34	24°39	9°24	9° 6	17°19	23° 0	S 24
M25	2 34 15	7° 4'55	24°22	5° 7	21°30	29°25	4° 9	9°34	26°17	7°32	24°38	9°12	9° 3	17°26	22°58	M25
T 26	2 38 12	8° 5'23	8♊30	3°50	22°36	29° 6	4°20	9°30	26°20	7°30	24°38	9° 1	9° 0	17°33	22°56	T 26
W27	2 42 9	9° 5'53	22°10	2°38	23°43	28°47	4°30	9°26	26°24	7°29	24°38	8°53	8°57	17°39	22°53	W27
T 28	2 46 5	10° 6'25	5♋23	1°33	24°50	28°28	4°41	9°22	26°27	7°27	24°38	8°47	8°53	17°46	22°51	T 28
F 29	2 50 2	11° 6'59	18°10	0°38	25°57	28° 7	4°52	9°18	26°31	7°25	24°38	8°44	8°50	17°53	22°49	F 29
S 30	2 53 58	12° 7'34	0♌34	29♎54	27° 4	27°47	5° 3	9°14	26°34	7°24	24°38	8°43	8°47	17°59	22°46	S 30
S 31	2 57 55	13♏ 8'12	12♌42	29♎21	28♍11	27♉25	5♑14	9♊10	26♏38	7♉22	24♒38	8♒43	8♒44	18♍ 6	22♊44	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5s10	25n52	2n41	16s40	2s48	11n46	0s59	20n 3	0s49	23s48	0s15	20n26	1s44	18s57	0n 9	12n30	1s54	25s41	13s12	17s22	17s45	3n21	18n50	4s34
S 2	5 34	23 22	1 42	17 4	2 52	11 32	0 52	20 6	0 46	23 48	0 15	20 26	1 44	18 58	0 9	12 30	1 54	25 42	13 12	17 22	17 46	3 17	18 50	4 35
S 3	5 57	19 52	0 39	17 26	2 55	11 19	0 45	20 8	0 44	23 48	0 15	20 26	1 44	18 59	0 9	12 29	1 54	25 42	13 12	17 22	17 46	3 14	18 49	4 35
M 4	6 20	15 37	0s25	17 46	2 58	11 5	0 38	20 10	0 42	23 48	0 15	20 25	1 45	18 59	0 9	12 29	1 54	25 42	13 12	17 22	17 47	3 11	18 49	4 36
T 5	6 43	10 49	1 27	18 4	3 0	10 50	0 32	20 12	0 40	23 48	0 15	20 25	1 45	19 0	0 9	12 28	1 54	25 42	13 12	17 22	17 48	3 8	18 48	4 36
W 6	7 6	5 39	2 24	18 21	3 1	10 35	0 26	20 14	0 37	23 48	0 15	20 25	1 45	19 1	0 9	12 28	1 54	25 42	13 11	17 23	17 49	3 4	18 48	4 36
T 7	7 29	0 17	3 16	18 35	3 2	10 19	0 19	20 16	0 35	23 48	0 15	20 24	1 45	19 2	0 9	12 27	1 54	25 42	13 11	17 25	17 50	3 1	18 47	4 37
F 8	7 52	5s 7	3 59	18 47	3 2	10 3	0 13	20 17	0 32	23 48	0 15	20 24	1 45	19 3	0 9	12 27	1 54	25 42	13 11	17 28	17 51	2 58	18 47	4 37
S 9	8 15	10 23	4 32	18 56	3 1	9 47	0 7	20 19	0 30	23 48	0 15	20 23	1 45	19 3	0 9	12 26	1 54	25 42	13 11	17 31	17 52	2 55	18 46	4 38
S 10	8 37	15 19	4 53	19 2	2 59	9 30	0 1	20 20	0 27	23 48	0 15	20 23	1 45	19 4	0 9	12 26	1 54	25 42	13 10	17 35	17 52	2 51	18 46	4 38
M11	9 0	19 42	5 1	19 6	2 56	9 12	0n 4	20 21	0 25	23 48	0 15	20 23	1 45	19 5	0 9	12 25	1 54	25 42	13 10	17 38	17 53	2 48	18 45	4 39
T 12	9 22	23 16	4 54	19 6	2 52	8 55	0 10	20 22	0 22	23 48	0 15	20 22	1 45	19 6	0 9	12 25	1 55	25 42	13 10	17 42	17 54	2 45	18 45	4 39
W13	9 44	25 47	4 33	19 3	2 47	8 36	0 15	20 23	0 20	23 48	0 15	20 22	1 45	19 6	0 9	12 24	1 55	25 42	13 10	17 45	17 55	2 42	18 44	4 40
T 14	10 6	26 59	3 58	18 56	2 40	8 18	0 21	20 24	0 17	23 48	0 15	20 21	1 45	19 7	0 9	12 23	1 55	25 42	13 9	17 47	17 56	2 38	18 44	4 40
F 15	10 28	26 43	3 10	18 44	2 32	7 59	0 26	20 24	0 14	23 48	0 16	20 21	1 45	19 8	0 9	12 23	1 55	25 42	13 9	17 48	17 57	2 35	18 43	4 40
S 16	10 50	24 56	2 11	18 29	2 22	7 39	0 31	20 25	0 12	23 48	0 16	20 20	1 45	19 9	0 9	12 22	1 55	25 41	13 9	17 49	17 58	2 32	18 43	4 41
S 17	11 11	21 40	1 3	18 9	2 10	7 20	0 36	20 25	0 9	23 48	0 16	20 20	1 45	19 10	0 9	12 22	1 55	25 41	13 9	17 49	17 58	2 29	18 42	4 41
M18	11 33	17 8	0n10	17 44	1 57	6 59	0 41	20 25	0 6	23 47	0 16	20 19	1 46	19 11	0 9	12 21	1 55	25 41	13 8	17 49	17 59	2 25	18 42	4 42
T 19	11 54	11 33	1 24	17 14	1 42	6 39	0 46	20 25	0 3	23 47	0 16	20 19	1 46	19 11	0 9	12 21	1 55	25 41	13 8	17 49	18 0	2 22	18 41	4 42
W20	12 15	5 15	2 34	16 40	1 25	6 18	0 50	20 25	0 0	23 47	0 16	20 18	1 46	19 12	0 9	12 20	1 55	25 41	13 8	17 50	18 1	2 19	18 41	4 43
T 21	12 36	1n25	3 35	16 2	1 7	5 57	0 55	20 25	0n 2	23 47	0 16	20 18	1 46	19 13	0 9	12 20	1 55	25 41	13 8	17 51	18 2	2 16	18 40	4 43
F 22	12 56	8 4	4 22	15 21	0 47	5 35	0 59	20 24	0 5	23 47	0 16	20 17	1 46	19 14	0 9	12 19	1 55	25 41	13 7	17 54	18 3	2 12	18 40	4 43
S 23	13 17	14 16	4 51	14 36	0 27	5 14	1 4	20 23	0 8	23 47	0 16	20 17	1 46	19 15	0 9	12 19	1 55	25 41	13 7	17 56	18 4	2 9	18 39	4 44
S 24	13 37	19 35	5 0	13 50	0 7	4 51	1 8	20 23	0 11	23 46	0 16	20 16	1 46	19 15	0 9	12 18	1 55	25 40	13 7	18 0	18 4	2 6	18 39	4 44
M25	13 57	23 38	4 50	13 4	0n14	4 29	1 12	20 22	0 14	23 46	0 16	20 15	1 46	19 16	0 9	12 17	1 55	25 40	13 7	18 3	18 5	2 3	18 38	4 45
T 26	14 17	26 9	4 22	12 19	0 34	4 6	1 16	20 21	0 17	23 46	0 16	20 15	1 46	19 17	0 9	12 17	1 55	25 40	13 6	18 6	18 6	1 59	18 38	4 45
W27	14 36	26 59	3 40	11 37	0 53	3 43	1 19	20 19	0 20	23 45	0 16	20 14	1 46	19 18	0 9	12 16	1 55	25 40	13 6	18 8	18 7	1 56	18 37	4 46
T 28	14 55	26 13	2 46	10 58	1 11	3 20	1 23	20 18	0 23	23 45	0 16	20 14	1 46	19 19	0 9	12 16	1 55	25 40	13 6	18 9	18 8	1 53	18 37	4 46
F 29	15 14	24 5	1 46	10 23	1 27	2 56	1 26	20 16	0 26	23 45	0 17	20 13	1 46	19 20	0 9	12 15	1 55	25 39	13 5	18 10	18 9	1 50	18 36	4 46
S 30	15 33	20 50	0 43	9 54	1 42	2 33	1 30	20 14	0 29	23 45	0 17	20 12	1 46	19 21	0 9	12 15	1 55	25 39	13 5	18 10	18 9	1 46	18 36	4 47
S 31	15s52	16n45	0s21	9s31	1n54	2n 9	1n33	20n12	0n32	23s44	0s17	20n12	1s46	19s21	0n 9	12n14	1s55	25s39	13s 5	18s11	18s10	1n43	18n35	4s47

Julian Day Number = 2108130.5, Delta T = 20m04s
Ecliptic obliquity = 23°33'46, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°38'01, Lahiri = 10°45'01 Julian Calendar 1 Oct. 1059 == Greg. Calendar 7 Oct. 1059

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1059
geocentric

NOVEMBER 1059 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 1 51	14♏ 8'51	24♌37	29°R 0	29♍19	27°R 4	5♉25	9°R 6	26♏42	7°R20	24°R38	8°R43	8♒41	18♍13	22°R41	M 1
T 2	3 5 48	15° 9'31	6♍26	28°D50	0♎27	26♉42	5°37	9♊ 2	26°45	7♉19	24♒37	8♒41	8°38	18°19	22♊38	T 2
W 3	3 9 45	16°10'14	18°14	28♎52	1°35	26°19	5°48	8°57	26°49	7°17	24°D37	8°37	8°34	18°26	22°35	W 3
T 4	3 13 41	17°10'58	0♏ 6	29° 4	2°43	25°57	5°59	8°53	26°52	7°15	24°37	8°30	8°31	18°33	22°33	T 4
F 5	3 17 38	18°11'44	12° 5	29°26	3°52	25°34	6°11	8°49	26°56	7°14	24°38	8°21	8°28	18°39	22°30	F 5
S 6	3 21 34	19°12'31	24°15	29°56	5° 0	25°11	6°22	8°44	27° 0	7°12	24°38	8° 9	8°25	18°46	22°27	S 6
S 7	3 25 31	20°13'19	6♏37	0♏35	6° 9	24°48	6°34	8°39	27° 3	7°10	24°38	7°56	8°22	18°53	22°24	S 7
M 8	3 29 27	21°14'09	19°12	1°21	7°18	24°25	6°46	8°35	27° 7	7° 9	24°38	7°42	8°18	18°59	22°21	M 8
T 9	3 33 24	22°15'01	1♐59	2°13	8°27	24° 2	6°58	8°30	27°11	7° 7	24°38	7°28	8°15	19° 6	22°18	T 9
W10	3 37 20	23°15'54	14°59	3°10	9°37	23°39	7°10	8°26	27°14	7° 5	24°38	7°17	8°12	19°13	22°15	W10
T 11	3 41 17	24°16'47	28°10	4°12	10°46	23°16	7°22	8°21	27°18	7° 4	24°38	7° 9	8° 9	19°20	22°11	T 11
F 12	3 45 14	25°17'42	11♑32	5°19	11°56	22°54	7°34	8°16	27°22	7° 2	24°39	7° 4	8° 6	19°26	22° 8	F 12
S 13	3 49 10	26°18'38	25° 3	6°29	13° 6	22°31	7°46	8°11	27°25	7° 1	24°39	7° 1	8° 3	19°33	22° 5	S 13
S 14	3 53 7	27°19'34	8♒44	7°42	14°16	22° 9	7°58	8° 6	27°29	6°59	24°39	7°D 0	7°59	19°40	22° 2	S 14
M15	3 57 3	28°20'32	22°35	8°57	15°26	21°47	8°11	8° 2	27°33	6°57	24°39	7°R 1	7°56	19°46	21°58	M15
T 16	4 1 0	29°21'30	6♓37	10°15	16°36	21°25	8°23	7°57	27°37	6°56	24°40	7° 1	7°53	19°53	21°55	T 16
W17	4 4 56	0♈22'28	20°49	11°35	17°47	21° 4	8°36	7°52	27°40	6°54	24°40	6°59	7°50	20° 0	21°51	W17
T 18	4 8 53	1°23'28	5♈10	12°57	18°57	20°44	8°48	7°47	27°44	6°53	24°40	6°55	7°47	20° 6	21°48	T 18
F 19	4 12 49	2°24'27	19°36	14°20	20° 8	20°23	9° 1	7°42	27°48	6°51	24°41	6°48	7°43	20°13	21°44	F 19
S 20	4 16 46	3°25'28	4♉ 2	15°45	21°19	20° 4	9°14	7°37	27°51	6°50	24°41	6°39	7°40	20°20	21°41	S 20
S 21	4 20 43	4°26'30	18°24	17°10	22°29	19°45	9°26	7°32	27°55	6°48	24°42	6°29	7°37	20°26	21°37	S 21
M22	4 24 39	5°27'32	2♊34	18°36	23°40	19°26	9°39	7°27	27°59	6°47	24°42	6°18	7°34	20°33	21°34	M22
T 23	4 28 36	6°28'35	16°27	20° 4	24°52	19° 8	9°52	7°22	28° 2	6°46	24°43	6° 9	7°31	20°40	21°30	T 23
W24	4 32 32	7°29'39	29°58	21°31	26° 3	18°51	10° 5	7°17	28° 6	6°44	24°43	6° 1	7°28	20°46	21°26	W24
T 25	4 36 29	8°30'44	13♋ 8	23° 0	27°14	18°34	10°18	7°12	28°10	6°43	24°44	5°56	7°24	20°53	21°23	T 25
F 26	4 40 25	9°31'49	25°54	24°29	28°26	18°18	10°31	7° 7	28°13	6°41	24°44	5°54	7°21	21° 0	21°19	F 26
S 27	4 44 22	10°32'56	8♌20	25°58	29°37	18° 3	10°44	7° 2	28°17	6°40	24°45	5°D53	7°18	21° 6	21°15	S 27
S 28	4 48 18	11°34'03	20°30	27°28	0♏49	17°49	10°57	6°57	28°20	6°39	24°46	5°54	7°15	21°13	21°11	S 28
M29	4 52 15	12°35'11	2♍28	28°59	2° 1	17°35	11°11	6°52	28°24	6°37	24°46	5°55	7°12	21°20	21° 8	M29
T 30	4 56 12	13♐36'20	14♍19	0♐29	3♏13	17♉22	11♑24	6♊47	28♏28	6♉36	24♒47	5°R55	7♒ 9	21♍26	21♊ 4	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16s10	12n 5	1s23	9s14	2n 5	1n45	1n36	20n10	0n35	23s44	0s17	20n11	1s46	19s22	0n 9	12n14	1s55	25s39	13s 5	18s11	18s11	1n40	18n35	4s47
T 2	16 28	7 1	2 21	9 3	2 13	1 20	1 39	20 8	0 38	23 43	0 17	20 10	1 46	19 23	0 9	12 13	1 55	25 39	13 4	18 11	18 12	1 37	18 34	4 48
W 3	16 46	1 43	3 13	8 57	2 19	0 56	1 42	20 6	0 41	23 43	0 17	20 10	1 46	19 24	0 9	12 13	1 55	25 38	13 4	18 12	18 13	1 33	18 34	4 48
T 4	17 3	3s39	3 56	8 57	2 24	0 31	1 45	20 3	0 44	23 43	0 17	20 9	1 46	19 25	0 9	12 12	1 55	25 38	13 4	18 14	18 14	1 30	18 33	4 49
F 5	17 20	8 56	4 30	9 2	2 27	0 6	1 47	20 1	0 47	23 42	0 17	20 8	1 46	19 26	0 9	12 11	1 54	25 38	13 3	18 16	18 14	1 27	18 32	4 49
S 6	17 37	13 58	4 52	9 11	2 29	0s19	1 50	19 58	0 50	23 42	0 17	20 8	1 46	19 27	0 9	12 11	1 54	25 37	13 3	18 19	18 15	1 24	18 32	4 49
S 7	17 54	18 30	5 0	9 24	2 29	0 44	1 52	19 55	0 53	23 41	0 17	20 7	1 46	19 27	0 9	12 10	1 54	25 37	13 3	18 23	18 16	1 21	18 31	4 50
M 8	18 10	22 20	4 54	9 41	2 29	1 10	1 54	19 52	0 55	23 41	0 17	20 6	1 46	19 28	0 9	12 10	1 54	25 37	13 3	18 26	18 17	1 17	18 31	4 50
T 9	18 26	25 8	4 34	10 0	2 27	1 35	1 56	19 49	0 58	23 40	0 17	20 6	1 46	19 29	0 9	12 9	1 54	25 37	13 2	18 30	18 18	1 14	18 30	4 50
W10	18 41	26 40	3 59	10 22	2 24	2 1	1 58	19 46	1 1	23 39	0 17	20 5	1 46	19 30	0 9	12 9	1 54	25 36	13 2	18 33	18 19	1 11	18 30	4 51
T 11	18 56	26 43	3 10	10 47	2 21	2 26	2 0	19 43	1 4	23 39	0 17	20 4	1 46	19 31	0 9	12 8	1 54	25 36	13 2	18 35	18 19	1 8	18 29	4 51
F 12	19 11	25 14	2 11	11 13	2 17	2 52	2 2	19 39	1 6	23 38	0 18	20 3	1 46	19 32	0 9	12 8	1 54	25 36	13 1	18 36	18 20	1 4	18 29	4 51
S 13	19 26	22 16	1 3	11 40	2 12	3 18	2 4	19 36	1 9	23 38	0 18	20 3	1 46	19 33	0 9	12 7	1 54	25 35	13 1	18 37	18 21	1 1	18 28	4 51
S 14	19 40	18 1	0n 9	12 9	2 7	3 44	2 5	19 33	1 11	23 37	0 18	20 2	1 46	19 33	0 9	12 7	1 54	25 35	13 1	18 37	18 22	0 58	18 28	4 52
M15	19 54	12 46	1 22	12 39	2 1	4 10	2 7	19 30	1 14	23 36	0 18	20 1	1 46	19 34	0 9	12 6	1 54	25 34	13 1	18 37	18 23	0 55	18 28	4 52
T 16	20 7	6 48	2 31	13 9	1 55	4 35	2 8	19 26	1 16	23 35	0 18	20 1	1 46	19 35	0 9	12 6	1 54	25 34	13 0	18 37	18 23	0 51	18 27	4 52
W17	20 20	0 26	3 31	13 40	1 49	5 1	2 9	19 23	1 19	23 35	0 18	20 0	1 46	19 36	0 9	12 5	1 54	25 34	13 0	18 37	18 24	0 48	18 27	4 53
T 18	20 33	6n 1	4 18	14 11	1 42	5 27	2 10	19 20	1 21	23 34	0 18	19 59	1 45	19 37	0 9	12 5	1 54	25 33	13 0	18 38	18 25	0 45	18 26	4 53
F 19	20 45	12 10	4 50	14 42	1 36	5 53	2 11	19 17	1 23	23 33	0 18	19 58	1 45	19 38	0 9	12 5	1 54	25 33	13 0	18 40	18 26	0 42	18 26	4 53
S 20	20 57	17 40	5 3	15 13	1 29	6 19	2 12	19 13	1 26	23 32	0 18	19 58	1 45	19 38	0 9	12 4	1 54	25 32	12 59	18 42	18 27	0 39	18 25	4 53
S 21	21 8	22 8	4 57	15 45	1 22	6 45	2 13	19 10	1 28	23 32	0 18	19 57	1 45	19 39	0 9	12 4	1 54	25 32	12 59	18 45	18 28	0 35	18 25	4 54
M22	21 19	25 14	4 32	16 16	1 14	7 11	2 13	19 7	1 30	23 31	0 18	19 56	1 45	19 40	0 9	12 3	1 54	25 32	12 59	18 48	18 28	0 32	18 24	4 54
T 23	21 30	26 43	3 52	16 46	1 7	7 36	2 14	19 4	1 32	23 30	0 18	19 55	1 45	19 41	0 9	12 3	1 54	25 31	12 58	18 50	18 29	0 29	18 24	4 54
W24	21 40	26 33	3 0	17 16	1 0	8 2	2 14	19 1	1 34	23 29	0 18	19 55	1 45	19 42	0 9	12 2	1 54	25 31	12 58	18 52	18 30	0 26	18 23	4 54
T 25	21 50	24 53	1 59	17 46	0 53	8 27	2 14	18 58	1 36	23 28	0 18	19 54	1 45	19 43	0 9	12 2	1 54	25 30	12 58	18 53	18 31	0 22	18 23	4 55
F 26	22 0	21 57	0 53	18 15	0 45	8 53	2 14	18 56	1 38	23 27	0 19	19 53	1 45	19 43	0 9	12 1	1 54	25 30	12 58	18 54	18 32	0 19	18 22	4 55
S 27	22 9	18 4	0s13	18 44	0 38	9 18	2 14	18 53	1 39	23 26	0 19	19 53	1 45	19 44	0 9	12 1	1 54	25 29	12 57	18 54	18 32	0 16	18 22	4 55
S 28	22 17	13 30	1 18	19 12	0 31	9 43	2 14	18 51	1 41	23 25	0 19	19 52	1 45	19 45	0 9	12 1	1 54	25 29	12 57	18 54	18 33	0 13	18 22	4 55
M29	22 25	8 30	2 18	19 39	0 23	10 8	2 14	18 48	1 43	23 24	0 19	19 51	1 44	19 46	0 9	12 0	1 54	25 28	12 57	18 53	18 34	0 10	18 21	4 55
T 30	22s33	3n16	3s12	20s 6	0n16	10s33	2n14	18n46	1n44	23s23	0s19	19n50	1s44	19s47	0n 9	12n 0	1s54	25s28	12s57	18s53	18s35	0n 6	18n21	4s56

Julian Day Number = 2108161.5, Delta T = 20m03s
Ecliptic obliquity = 23°33'46, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°38'05, Lahiri = 10°45'06 Julian Calendar 1 Nov. 1059 == Greg. Calendar 7 Nov. 1059

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1059
geocentric

DECEMBER 1059 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 0 8	14♐37'29	26♍ 8	2♐ 0	4♏25	17°R10	11♑37	6°R43	28♏31	6°R35	24♒48	5°R55	7♒ 5	21♍33	21°R 0	W 1
T 2	5 4 5	15°38'40	8♎ 2	3°31	5°37	16♉58	11°51	6♊38	28°35	6♉34	24°48	5♒52	7° 2	21°40	20♊56	T 2
F 3	5 8 1	16°39'51	20° 4	5° 3	6°49	16°48	12° 4	6°33	28°38	6°32	24°49	5°47	6°59	21°47	20°52	F 3
S 4	5 11 58	17°41'02	2♏18	6°35	8° 1	16°38	12°17	6°28	28°42	6°31	24°50	5°40	6°56	21°53	20°48	S 4
S 5	5 15 54	18°42'14	14°48	8° 7	9°14	16°29	12°31	6°23	28°45	6°30	24°51	5°31	6°53	22° 0	20°44	S 5
M 6	5 19 51	19°43'27	27°35	9°39	10°26	16°21	12°45	6°18	28°49	6°29	24°51	5°22	6°49	22° 7	20°41	M 6
T 7	5 23 47	20°44'40	10♐40	11°11	11°39	16°14	12°58	6°14	28°52	6°28	24°52	5°14	6°46	22°13	20°37	T 7
W 8	5 27 44	21°45'54	24° 1	12°44	12°51	16° 7	13°12	6° 9	28°56	6°27	24°53	5° 7	6°43	22°20	20°33	W 8
T 9	5 31 41	22°47'08	7♑37	14°17	14° 4	16° 2	13°25	6° 4	28°59	6°26	24°54	5° 2	6°40	22°27	20°29	T 9
F 10	5 35 37	23°48'21	21°24	15°51	15°16	15°57	13°39	6° 0	29° 3	6°25	24°55	4°59	6°37	22°33	20°25	F 10
S 11	5 39 34	24°49'35	5♒21	17°24	16°29	15°53	13°53	5°55	29° 6	6°24	24°56	4°D58	6°34	22°40	20°21	S 11
S 12	5 43 30	25°50'49	19°23	18°58	17°42	15°50	14° 7	5°50	29°10	6°23	24°57	4°59	6°30	22°47	20°17	S 12
M13	5 47 27	26°52'02	3♓29	20°33	18°55	15°47	14°21	5°46	29°13	6°22	24°58	5° 0	6°27	22°53	20°14	M13
T 14	5 51 23	27°53'15	17°37	22° 7	20° 8	15°46	14°34	5°42	29°16	6°21	24°59	5° 2	6°24	23° 0	20°10	T 14
W15	5 55 20	28°54'27	1♈46	23°42	21°21	15°D45	14°48	5°37	29°20	6°20	25° 0	5°R 2	6°21	23° 7	20° 6	W15
T 16	5 59 16	29°55'39	15°53	25°17	22°34	15°45	15° 2	5°33	29°23	6°19	25° 1	5° 1	6°18	23°13	20° 2	T 16
F 17	6 3 13	0♑56'51	29°58	26°53	23°47	15°46	15°16	5°29	29°26	6°18	25° 2	4°58	6°15	23°20	19°58	F 17
S 18	6 7 10	1°58'03	13♉58	28°29	25° 0	15°48	15°30	5°24	29°30	6°17	25° 3	4°54	6°11	23°27	19°54	S 18
S 19	6 11 6	2°59'14	27°49	0♑ 5	26°13	15°50	15°44	5°20	29°33	6°16	25° 4	4°49	6° 8	23°34	19°51	S 19
M20	6 15 3	4° 0'24	11♊30	1°42	27°26	15°53	15°58	5°16	29°36	6°16	25° 5	4°44	6° 5	23°40	19°47	M20
T 21	6 18 59	5° 1'34	24°58	3°19	28°39	15°57	16°12	5°12	29°39	6°15	25° 6	4°39	6° 2	23°47	19°43	T 21
W22	6 22 56	6° 2'44	8♋10	4°57	29°53	16° 1	16°26	5° 8	29°42	6°14	25° 7	4°35	5°59	23°54	19°40	W22
T 23	6 26 52	7° 3'54	21° 5	6°35	1♐ 6	16° 7	16°40	5° 5	29°46	6°14	25° 9	4°33	5°56	24° 0	19°36	T 23
F 24	6 30 49	8° 5'03	3♌43	8°14	2°19	16°13	16°54	5° 1	29°49	6°13	25°10	4°D32	5°52	24° 7	19°32	F 24
S 25	6 34 46	9° 6'12	16° 5	9°53	3°33	16°19	17° 8	4°57	29°52	6°12	25°11	4°33	5°49	24°14	19°29	S 25
S 26	6 38 42	10° 7'20	28°14	11°32	4°46	16°27	17°22	4°54	29°55	6°12	25°12	4°34	5°46	24°20	19°25	S 26
M27	6 42 39	11° 8'29	10♍13	13°12	6° 0	16°35	17°37	4°50	29°58	6°11	25°13	4°36	5°43	24°27	19°22	M27
T 28	6 46 35	12° 9'36	22° 5	14°53	7°13	16°43	17°51	4°47	0♐ 1	6°11	25°15	4°38	5°40	24°34	19°18	T 28
W29	6 50 32	13°10'44	3♎55	16°34	8°27	16°52	18° 5	4°43	0° 4	6°10	25°16	4°39	5°36	24°40	19°15	W29
T 30	6 54 28	14°11'51	15°48	18°16	9°41	17° 2	18°19	4°40	0° 7	6°10	25°17	4°R39	5°33	24°47	19°11	T 30
F 31	6 58 25	15♑12'58	27♎50	19♑58	10♐54	17♉13	18♑33	4♊37	0♐ 9	6♉10	25♒19	4♒38	5♒30	24♍54	19♊ 8	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s40	2s 5	3s57	20s32	0n 9	10s58	2n14	18n44	1n46	23s22	0s19	19n50	1s44	19s47	0n 9	12n 0	1s54	25s27	12s56	18s53	18s36	0n 3	18n20	4s56
T 2	22 47	7 22	4 32	20 56	0 2	11 22	2 13	18 42	1 47	23 21	0 19	19 49	1 44	19 48	0 9	11 59	1 54	25 27	12 56	18 54	18 37	0s 0	18 20	4 56
F 3	22 53	12 27	4 56	21 20	0s 5	11 46	2 13	18 40	1 49	23 20	0 19	19 48	1 44	19 49	0 9	11 59	1 54	25 26	12 56	18 55	18 37	0 3	18 19	4 56
S 4	22 59	17 8	5 7	21 43	0 12	12 10	2 12	18 39	1 50	23 19	0 19	19 48	1 44	19 50	0 9	11 58	1 54	25 26	12 56	18 57	18 38	0 7	18 19	4 56
S 5	23 5	21 11	5 3	22 5	0 19	12 34	2 11	18 37	1 51	23 17	0 19	19 47	1 44	19 51	0 9	11 58	1 54	25 25	12 55	18 59	18 39	0 10	18 19	4 56
M 6	23 10	24 21	4 45	22 26	0 26	12 58	2 10	18 36	1 52	23 16	0 19	19 46	1 44	19 51	0 9	11 58	1 53	25 25	12 55	19 1	18 40	0 13	18 18	4 56
T 7	23 14	26 18	4 11	22 46	0 32	13 21	2 9	18 35	1 53	23 15	0 19	19 46	1 43	19 52	0 9	11 57	1 53	25 24	12 55	19 3	18 41	0 16	18 18	4 57
W 8	23 18	26 49	3 23	23 5	0 39	13 44	2 8	18 34	1 55	23 14	0 19	19 45	1 43	19 53	0 9	11 57	1 53	25 24	12 55	19 5	18 41	0 19	18 18	4 57
T 9	23 22	25 43	2 23	23 23	0 45	14 7	2 7	18 34	1 56	23 12	0 20	19 44	1 43	19 54	0 9	11 57	1 53	25 23	12 54	19 6	18 42	0 23	18 17	4 57
F 10	23 25	23 3	1 13	23 39	0 51	14 29	2 6	18 33	1 57	23 11	0 20	19 44	1 43	19 54	0 9	11 57	1 53	25 23	12 54	19 7	18 43	0 26	18 17	4 57
S 11	23 28	19 0	0n 2	23 55	0 57	14 51	2 5	18 33	1 58	23 10	0 20	19 43	1 43	19 55	0 9	11 56	1 53	25 22	12 54	19 7	18 44	0 29	18 16	4 57
S 12	23 30	13 51	1 18	24 9	1 3	15 13	2 4	18 33	1 58	23 8	0 20	19 42	1 43	19 56	0 9	11 56	1 53	25 22	12 54	19 7	18 45	0 32	18 16	4 57
M13	23 32	7 58	2 29	24 22	1 8	15 35	2 2	18 33	1 59	23 7	0 20	19 42	1 43	19 57	0 9	11 56	1 53	25 21	12 53	19 7	18 45	0 35	18 16	4 57
T 14	23 33	1 41	3 31	24 33	1 14	15 56	2 1	18 33	2 0	23 6	0 20	19 41	1 42	19 57	0 9	11 55	1 53	25 21	12 53	19 6	18 46	0 39	18 15	4 57
W15	23 33	4n41	4 21	24 44	1 19	16 17	1 59	18 34	2 1	23 4	0 20	19 41	1 42	19 58	0 9	11 55	1 53	25 20	12 53	19 6	18 47	0 42	18 15	4 57
T 16	23 34	10 48	4 55	24 53	1 24	16 37	1 57	18 35	2 2	23 3	0 20	19 40	1 42	19 59	0 9	11 55	1 53	25 19	12 53	19 7	18 48	0 45	18 15	4 57
F 17	23 34	16 21	5 10	25 0	1 29	16 57	1 56	18 35	2 2	23 1	0 20	19 39	1 42	20 0	0 9	11 55	1 53	25 19	12 52	19 7	18 49	0 48	18 14	4 57
S 18	23 33	21 0	5 8	25 6	1 33	17 16	1 54	18 37	2 3	23 0	0 20	19 39	1 42	20 0	0 9	11 55	1 53	25 18	12 52	19 8	18 49	0 51	18 14	4 57
S 19	23 32	24 26	4 47	25 11	1 37	17 35	1 52	18 38	2 3	22 58	0 20	19 38	1 41	20 1	0 9	11 54	1 53	25 18	12 52	19 10	18 50	0 55	18 14	4 57
M20	23 30	26 24	4 10	25 15	1 41	17 54	1 50	18 39	2 4	22 56	0 20	19 38	1 41	20 2	0 9	11 54	1 53	25 17	12 52	19 11	18 51	0 58	18 14	4 57
T 21	23 28	26 48	3 20	25 16	1 45	18 12	1 48	18 41	2 4	22 55	0 21	19 37	1 41	20 2	0 9	11 54	1 53	25 16	12 52	19 12	18 52	1 1	18 13	4 57
W22	23 25	25 38	2 20	25 17	1 49	18 30	1 46	18 43	2 5	22 53	0 21	19 37	1 41	20 3	0 9	11 54	1 53	25 16	12 51	19 13	18 52	1 4	18 13	4 57
T 23	23 22	23 6	1 13	25 16	1 52	18 48	1 44	18 45	2 5	22 52	0 21	19 36	1 41	20 4	0 9	11 54	1 53	25 15	12 51	19 13	18 53	1 7	18 13	4 57
F 24	23 19	19 30	0 4	25 13	1 55	19 4	1 42	18 47	2 6	22 50	0 21	19 36	1 41	20 4	0 9	11 54	1 53	25 15	12 51	19 14	18 54	1 11	18 13	4 57
S 25	23 15	15 5	1s 3	25 8	1 57	19 21	1 39	18 49	2 6	22 48	0 21	19 35	1 40	20 5	0 9	11 53	1 52	25 14	12 51	19 13	18 55	1 14	18 12	4 57
S 26	23 10	10 10	2 7	25 2	1 59	19 36	1 37	18 51	2 6	22 46	0 21	19 35	1 40	20 6	0 9	11 53	1 52	25 13	12 51	19 13	18 56	1 17	18 12	4 57
M27	23 6	4 56	3 4	24 55	2 1	19 52	1 35	18 54	2 7	22 45	0 21	19 34	1 40	20 6	0 9	11 53	1 52	25 13	12 50	19 13	18 56	1 20	18 12	4 57
T 28	23 0	0s24	3 53	24 46	2 3	20 7	1 32	18 57	2 7	22 43	0 21	19 34	1 40	20 7	0 9	11 53	1 52	25 12	12 50	19 12	18 57	1 23	18 12	4 57
W29	22 54	5 43	4 31	24 35	2 4	20 21	1 30	19 0	2 7	22 41	0 21	19 34	1 40	20 8	0 9	11 53	1 52	25 12	12 50	19 12	18 58	1 27	18 11	4 57
T 30	22 48	10 50	4 59	24 22	2 4	20 34	1 27	19 3	2 7	22 39	0 21	19 33	1 39	20 8	0 9	11 53	1 52	25 11	12 50	19 12	18 59	1 30	18 11	4 57
F 31	22s41	15s37	5s13	24s 8	2s 5	20s48	1n25	19n 6	2n 8	22s37	0s21	19n33	1s39	20s 9	0n 9	11n53	1s52	25s10	12s50	19s12	19s 0	1s33	18n11	4s57

Julian Day Number = 2108191.5, Delta T = 20m03s
Ecliptic obliquity = 23°33'45, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°38'09, Lahiri = 10°45'10 Julian Calendar 1 Dec. 1059 == Greg. Calendar 7 Dec. 1059

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1060
geocentric

JANUARY 1060 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 2 21	16♑14'04	10♏ 4	21♑40	12♐ 8	17♉24	18♑47	4°R34	0♐12	6°R 9	25♒20	4°R37	5♒27	25♍ 1	19°R 5	S 1
S 2	7 6 18	17°15'10	22°35	23°23	13°22	17°35	19° 2	4♊31	0°15	6♉ 9	25°21	4♒35	5°24	25° 7	19♊ 1	S 2
M 3	7 10 15	18°16'16	5♐26	25° 6	14°35	17°47	19°16	4°28	0°18	6° 9	25°23	4°32	5°21	25°14	18°58	M 3
T 4	7 14 11	19°17'20	18°39	26°50	15°49	18° 0	19°30	4°25	0°21	6° 8	25°24	4°30	5°17	25°21	18°55	T 4
W 5	7 18 8	20°18'25	2♑14	28°34	17° 3	18°13	19°44	4°22	0°23	6° 8	25°25	4°28	5°14	25°27	18°52	W 5
T 6	7 22 4	21°19'28	16°10	0♒18	18°17	18°27	19°58	4°20	0°26	6° 8	25°27	4°27	5°11	25°34	18°49	T 6
F 7	7 26 1	22°20'31	0♒22	2° 2	19°30	18°42	20°13	4°17	0°29	6° 8	25°28	4°D26	5° 8	25°41	18°46	F 7
S 8	7 29 57	23°21'32	14°47	3°46	20°44	18°56	20°27	4°15	0°31	6° 8	25°30	4°26	5° 5	25°47	18°43	S 8
S 9	7 33 54	24°22'33	29°19	5°30	21°58	19°12	20°41	4°13	0°34	6° 8	25°31	4°27	5° 2	25°54	18°40	S 9
M10	7 37 50	25°23'32	13♓51	7°14	23°12	19°28	20°55	4°10	0°36	6° 8	25°32	4°28	4°58	26° 1	18°37	M10
T 11	7 41 47	26°24'29	28°20	8°57	24°26	19°44	21° 9	4° 8	0°39	6°D 8	25°34	4°29	4°55	26° 7	18°34	T 11
W12	7 45 44	27°25'26	12♈41	10°40	25°40	20° 1	21°23	4° 6	0°41	6° 8	25°35	4°29	4°52	26°14	18°31	W12
T 13	7 49 40	28°26'21	26°50	12°21	26°54	20°18	21°38	4° 5	0°44	6° 8	25°37	4°R29	4°49	26°21	18°29	T 13
F 14	7 53 37	29°27'14	10♉46	14° 1	28° 8	20°36	21°52	4° 3	0°46	6° 8	25°38	4°29	4°46	26°28	18°26	F 14
S 15	7 57 33	0♒28'07	24°29	15°40	29°22	20°54	22° 6	4° 1	0°48	6° 8	25°40	4°29	4°42	26°34	18°24	S 15
S 16	8 1 30	1°28'57	7♊58	17°16	0♑36	21°12	22°20	4° 0	0°50	6° 8	25°41	4°28	4°39	26°41	18°21	S 16
M17	8 5 26	2°29'47	21°13	18°50	1°50	21°31	22°34	3°58	0°53	6° 8	25°43	4°28	4°36	26°48	18°19	M17
T 18	8 9 23	3°30'34	4♋14	20°20	3° 4	21°51	22°48	3°57	0°55	6° 8	25°44	4°28	4°33	26°54	18°16	T 18
W19	8 13 20	4°31'21	17° 2	21°47	4°18	22°11	23° 2	3°56	0°57	6° 9	25°46	4°D28	4°30	27° 1	18°14	W19
T 20	8 17 16	5°32'06	29°37	23°10	5°32	22°31	23°16	3°54	0°59	6° 9	25°48	4°R28	4°27	27° 8	18°12	T 20
F 21	8 21 13	6°32'49	12♌ 1	24°27	6°46	22°51	23°30	3°54	1° 1	6° 9	25°49	4°28	4°23	27°14	18°10	F 21
S 22	8 25 9	7°33'31	24°14	25°39	8° 0	23°12	23°44	3°53	1° 3	6°10	25°51	4°28	4°20	27°21	18° 8	S 22
S 23	8 29 6	8°34'12	6♍17	26°44	9°14	23°33	23°58	3°52	1° 5	6°10	25°52	4°27	4°17	27°28	18° 6	S 23
M24	8 33 2	9°34'51	18°14	27°42	10°28	23°55	24°12	3°51	1° 7	6°11	25°54	4°27	4°14	27°34	18° 4	M24
T 25	8 36 59	10°35'29	0♎ 6	28°32	11°42	24°17	24°26	3°51	1° 9	6°11	25°55	4°26	4°11	27°41	18° 2	T 25
W26	8 40 55	11°36'06	11°56	29°13	12°56	24°39	24°40	3°50	1°11	6°12	25°57	4°25	4° 7	27°48	18° 0	W26
T 27	8 44 52	12°36'41	23°49	29°45	14°10	25° 1	24°54	3°50	1°12	6°12	25°59	4°24	4° 4	27°55	17°58	T 27
F 28	8 48 48	13°37'16	5♏49	0♓ 7	15°24	25°24	25° 8	3°50	1°14	6°13	26° 0	4°24	4° 1	28° 1	17°57	F 28
S 29	8 52 45	14°37'48	18° 1	0°20	16°38	25°47	25°22	3°D50	1°16	6°13	26° 2	4°D24	3°58	28° 8	17°55	S 29
S 30	8 56 42	15°38'20	0♐28	0°R21	17°52	26°11	25°36	3°50	1°17	6°14	26° 3	4°24	3°55	28°15	17°54	S 30
M31	9 0 38	16♒38'50	13♐15	0♓13	19♑ 6	26♉34	25♑49	3♊50	1♐19	6♉15	26♒ 5	4♒25	3♒52	28♍21	17♊52	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s34	19s52	5s14	23s51	2s 5	21s 0	1n22	19n 9	2n 8	22s36	0s22	19n33	1s39	20s10	0n 9	11n53	1s52	25s10	12s50	19s12	19s 0	1s36	18n11	4s57
S 2	22 27	23 21	5 0	23 34	2 4	21 12	1 20	19 13	2 8	22 34	0 22	19 32	1 39	20 10	0 9	11 53	1 52	25 9	12 49	19 13	19 1	1 39	18 11	4 57
M 3	22 19	25 46	4 31	23 14	2 3	21 23	1 17	19 16	2 8	22 32	0 22	19 32	1 38	20 11	0 9	11 53	1 52	25 9	12 49	19 14	19 2	1 43	18 11	4 57
T 4	22 10	26 51	3 47	22 53	2 1	21 34	1 14	19 20	2 8	22 30	0 22	19 32	1 38	20 11	0 9	11 53	1 52	25 8	12 49	19 14	19 3	1 46	18 10	4 56
W 5	22 1	26 22	2 49	22 30	1 59	21 44	1 12	19 24	2 8	22 28	0 22	19 31	1 38	20 12	0 9	11 53	1 52	25 7	12 49	19 15	19 3	1 49	18 10	4 56
T 6	21 52	24 14	1 40	22 5	1 56	21 54	1 9	19 28	2 8	22 26	0 22	19 31	1 38	20 12	0 9	11 53	1 52	25 7	12 49	19 15	19 4	1 52	18 10	4 56
F 7	21 42	20 33	0 23	21 38	1 53	22 3	1 6	19 32	2 8	22 24	0 22	19 31	1 37	20 13	0 9	11 53	1 52	25 6	12 49	19 15	19 5	1 55	18 10	4 56
S 8	21 32	15 34	0n57	21 10	1 49	22 11	1 3	19 36	2 8	22 22	0 22	19 31	1 37	20 14	0 9	11 53	1 52	25 5	12 49	19 15	19 6	1 58	18 10	4 56
S 9	21 21	9 41	2 14	20 40	1 44	22 19	1 1	19 40	2 9	22 20	0 22	19 30	1 37	20 14	0 9	11 53	1 52	25 5	12 48	19 15	19 6	2 2	18 10	4 56
M10	21 10	3 17	3 22	20 9	1 39	22 26	0 58	19 45	2 9	22 18	0 22	19 30	1 37	20 15	0 9	11 53	1 51	25 4	12 48	19 15	19 7	2 5	18 10	4 56
T 11	20 59	3n15	4 16	19 36	1 33	22 32	0 55	19 49	2 8	22 16	0 23	19 30	1 37	20 15	0 9	11 53	1 51	25 4	12 48	19 14	19 8	2 8	18 10	4 56
W12	20 47	9 33	4 55	19 2	1 26	22 37	0 52	19 54	2 8	22 13	0 23	19 30	1 36	20 16	0 9	11 53	1 51	25 3	12 48	19 14	19 9	2 11	18 10	4 55
T 13	20 35	15 16	5 14	18 26	1 19	22 42	0 49	19 58	2 8	22 11	0 23	19 30	1 36	20 16	0 9	11 53	1 51	25 2	12 48	19 14	19 10	2 14	18 9	4 55
F 14	20 22	20 7	5 15	17 49	1 10	22 47	0 46	20 3	2 8	22 9	0 23	19 30	1 36	20 17	0 9	11 53	1 51	25 2	12 48	19 14	19 10	2 17	18 9	4 55
S 15	20 9	23 48	4 58	17 12	1 1	22 50	0 43	20 8	2 8	22 7	0 23	19 30	1 36	20 17	0 9	11 53	1 51	25 1	12 48	19 14	19 11	2 21	18 9	4 55
S 16	19 56	26 6	4 25	16 33	0 51	22 53	0 40	20 13	2 8	22 5	0 23	19 30	1 35	20 18	0 9	11 53	1 51	25 0	12 48	19 14	19 12	2 24	18 9	4 55
M17	19 42	26 53	3 38	15 54	0 41	22 56	0 37	20 18	2 8	22 3	0 23	19 30	1 35	20 18	0 9	11 53	1 51	25 0	12 48	19 15	19 13	2 27	18 9	4 54
T 18	19 28	26 10	2 40	15 15	0 29	22 57	0 34	20 23	2 8	22 0	0 23	19 30	1 35	20 18	0 9	11 54	1 51	24 59	12 47	19 15	19 13	2 30	18 9	4 54
W19	19 14	24 3	1 35	14 35	0 17	22 58	0 32	20 28	2 8	21 58	0 23	19 30	1 35	20 19	0 9	11 54	1 51	24 59	12 47	19 15	19 14	2 33	18 9	4 54
T 20	18 59	20 46	0 27	13 56	0 4	22 58	0 29	20 33	2 8	21 56	0 23	19 30	1 34	20 19	0 9	11 54	1 51	24 58	12 47	19 15	19 15	2 36	18 9	4 54
F 21	18 44	16 37	0s42	13 17	0n10	22 58	0 26	20 38	2 8	21 54	0 24	19 30	1 34	20 20	0 9	11 54	1 51	24 57	12 47	19 15	19 16	2 40	18 9	4 54
S 22	18 29	11 49	1 48	12 39	0 24	22 57	0 23	20 43	2 7	21 51	0 24	19 30	1 34	20 20	0 9	11 54	1 51	24 57	12 47	19 15	19 16	2 43	18 9	4 53
S 23	18 13	6 39	2 48	12 3	0 39	22 55	0 20	20 49	2 7	21 49	0 24	19 30	1 34	20 21	0 9	11 54	1 51	24 56	12 47	19 15	19 17	2 46	18 9	4 53
M24	17 57	1 19	3 40	11 29	0 55	22 52	0 17	20 54	2 7	21 47	0 24	19 30	1 33	20 21	0 9	11 55	1 51	24 55	12 47	19 15	19 18	2 49	18 10	4 53
T 25	17 40	4s 2	4 22	10 56	1 11	22 49	0 14	20 59	2 7	21 44	0 24	19 30	1 33	20 21	0 9	11 55	1 50	24 55	12 47	19 15	19 19	2 52	18 10	4 53
W26	17 24	9 14	4 53	10 27	1 27	22 45	0 11	21 4	2 7	21 42	0 24	19 30	1 33	20 22	0 9	11 55	1 50	24 54	12 47	19 15	19 19	2 55	18 10	4 53
T 27	17 7	14 7	5 12	10 0	1 43	22 40	0 8	21 10	2 6	21 39	0 24	19 31	1 33	20 22	0 9	11 55	1 50	24 54	12 47	19 15	19 20	2 59	18 10	4 52
F 28	16 49	18 30	5 17	9 37	2 0	22 35	0 5	21 15	2 6	21 37	0 24	19 31	1 32	20 22	0 9	11 56	1 50	24 53	12 47	19 16	19 21	3 2	18 10	4 52
S 29	16 32	22 12	5 8	9 18	2 16	22 29	0 2	21 21	2 6	21 35	0 24	19 31	1 32	20 23	0 9	11 56	1 50	24 52	12 47	19 16	19 22	3 5	18 10	4 52
S 30	16 14	24 59	4 45	9 3	2 31	22 22	0s 1	21 26	2 6	21 32	0 25	19 31	1 32	20 23	0 8	11 56	1 50	24 52	12 47	19 16	19 22	3 8	18 10	4 52
M31	15s56	26s35	4s 7	8s52	2n46	22s15	0s 3	21n31	2n 6	21s30	0s25	19n32	1s32	20s23	0n 8	11n56	1s50	24s51	12s47	19s15	19s23	3s11	18n10	4s51

Julian Day Number = 2108222.5, Delta T = 20m03s
Ecliptic obliquity = 23°33'45, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°38'14, Lahiri = 10°45'14 Julian Calendar 1 Jan. 1060 == Greg. Calendar 7 Jan. 1060

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1060
geocentric

FEBRUARY 1060 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 4 35	17♒39'19	26♐26	29°R55	20♑21	26♉58	26♑ 3	3♊50	1♐20	6♉15	26♒ 7	4♒26	3♒48	28♍28	17°R51	T 1
W 2	9 8 31	18°39'47	10♑ 2	29♒27	21°35	27°23	26°17	3°50	1°22	6°16	26° 8	4°27	3°45	28°35	17♊50	W 2
T 3	9 12 28	19°40'13	24° 4	28°50	22°49	27°47	26°30	3°51	1°23	6°17	26°10	4°28	3°42	28°41	17°49	T 3
F 4	9 16 24	20°40'37	8♒30	28° 5	24° 3	28°12	26°44	3°51	1°25	6°18	26°12	4°R28	3°39	28°48	17°48	F 4
S 5	9 20 21	21°41'00	23°15	27°14	25°17	28°37	26°58	3°52	1°26	6°19	26°13	4°28	3°36	28°55	17°47	S 5
S 6	9 24 18	22°41'20	8♓12	26°17	26°31	29° 2	27°11	3°53	1°27	6°19	26°15	4°26	3°33	29° 2	17°46	S 6
M 7	9 28 14	23°41'39	23°12	25°16	27°45	29°28	27°25	3°54	1°28	6°20	26°17	4°24	3°29	29° 8	17°45	M 7
T 8	9 32 11	24°41'56	8♈ 7	24°13	29° 0	29°54	27°38	3°55	1°30	6°21	26°18	4°21	3°26	29°15	17°44	T 8
W 9	9 36 7	25°42'11	22°50	23° 9	0♒14	0♊20	27°51	3°56	1°31	6°22	26°20	4°18	3°23	29°22	17°44	W 9
T 10	9 40 4	26°42'24	7♉13	22° 5	1°28	0°46	28° 5	3°57	1°32	6°23	26°21	4°16	3°20	29°28	17°43	T 10
F 11	9 44 0	27°42'34	21°15	21° 4	2°42	1°12	28°18	3°59	1°33	6°24	26°23	4°15	3°17	29°35	17°42	F 11
S 12	9 47 57	28°42'43	4♊55	20° 7	3°56	1°39	28°31	4° 0	1°34	6°25	26°25	4°D15	3°13	29°42	17°42	S 12
S 13	9 51 53	29°42'49	18°13	19°13	5°10	2° 6	28°45	4° 2	1°35	6°26	26°26	4°16	3°10	29°48	17°42	S 13
M14	9 55 50	0♓42'53	1♋12	18°26	6°24	2°33	28°58	4° 4	1°35	6°28	26°28	4°18	3° 7	29°55	17°42	M14
T 15	9 59 47	1°42'55	13°55	17°44	7°38	3° 1	29°11	4° 5	1°36	6°29	26°30	4°19	3° 4	0♎ 2	17°41	T 15
W16	10 3 43	2°42'55	26°24	17° 8	8°53	3°28	29°24	4° 7	1°37	6°30	26°31	4°20	3° 1	0° 9	17°D41	W16
T 17	10 7 40	3°42'53	8♌41	16°39	10° 7	3°56	29°37	4° 9	1°38	6°31	26°33	4°R21	2°58	0°15	17°41	T 17
F 18	10 11 36	4°42'48	20°50	16°17	11°21	4°24	29°50	4°12	1°38	6°32	26°35	4°19	2°54	0°22	17°41	F 18
S 19	10 15 33	5°42'42	2♍52	16° 1	12°35	4°52	0♒ 3	4°14	1°39	6°34	26°36	4°17	2°51	0°29	17°42	S 19
S 20	10 19 29	6°42'33	14°49	15°52	13°49	5°20	0°15	4°16	1°39	6°35	26°38	4°12	2°48	0°35	17°42	S 20
M21	10 23 26	7°42'23	26°42	15°D49	15° 3	5°48	0°28	4°19	1°40	6°36	26°39	4° 6	2°45	0°42	17°42	M21
T 22	10 27 22	8°42'10	8♎33	15°53	16°17	6°17	0°41	4°21	1°40	6°38	26°41	4° 0	2°42	0°49	17°43	T 22
W23	10 31 19	9°41'56	20°25	16° 2	17°31	6°46	0°53	4°24	1°41	6°39	26°43	3°53	2°39	0°55	17°43	W23
T 24	10 35 15	10°41'40	2♏20	16°17	18°46	7°15	1° 6	4°27	1°41	6°40	26°44	3°47	2°35	1° 2	17°44	T 24
F 25	10 39 12	11°41'22	14°20	16°37	20° 0	7°44	1°18	4°30	1°41	6°42	26°46	3°42	2°32	1° 9	17°45	F 25
S 26	10 43 9	12°41'02	26°30	17° 3	21°14	8°13	1°31	4°33	1°41	6°43	26°47	3°39	2°29	1°16	17°45	S 26
S 27	10 47 5	13°40'40	8♐54	17°33	22°28	8°42	1°43	4°36	1°42	6°45	26°49	3°D38	2°26	1°22	17°46	S 27
M28	10 51 2	14°40'17	21°35	18° 7	23°42	9°12	1°56	4°39	1°42	6°46	26°51	3°38	2°23	1°29	17°47	M28
T 29	10 54 58	15♓39'52	4♑38	18♒45	24♒56	9♊41	2♒ 8	4♊42	1°R42	6♉48	26♒52	3♒39	2♒19	1♎36	17♊48	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s37	26s46	3s15	8s46	2n59	22s 7	0s 6	21n37	2n 5	21s27	0s25	19n32	1s31	20s24	0n 8	11n57	1s50	24s51	12s47	19s15	19s24	3s14	18n10	4s51
W 2	15 19	25 22	2 11	8 44	3 11	21 58	0 9	21 42	2 5	21 25	0 25	19 32	1 31	20 24	0 8	11 57	1 50	24 50	12 47	19 15	19 25	3 17	18 10	4 51
T 3	15 0	22 21	0 57	8 47	3 22	21 49	0 12	21 48	2 5	21 22	0 25	19 32	1 31	20 24	0 8	11 57	1 50	24 49	12 47	19 15	19 25	3 21	18 11	4 51
F 4	14 40	17 52	0n22	8 54	3 31	21 39	0 14	21 53	2 5	21 20	0 25	19 33	1 31	20 25	0 8	11 58	1 50	24 49	12 47	19 15	19 26	3 24	18 11	4 50
S 5	14 21	12 14	1 42	9 5	3 38	21 28	0 17	21 58	2 4	21 17	0 25	19 33	1 30	20 25	0 8	11 58	1 50	24 48	12 47	19 15	19 27	3 27	18 11	4 50
S 6	14 1	5 49	2 56	9 19	3 43	21 17	0 20	22 4	2 4	21 15	0 25	19 34	1 30	20 25	0 8	11 58	1 50	24 48	12 47	19 15	19 28	3 30	18 11	4 50
M 7	13 41	0n55	3 57	9 37	3 46	21 5	0 22	22 9	2 4	21 12	0 26	19 34	1 30	20 25	0 8	11 59	1 50	24 47	12 47	19 16	19 28	3 33	18 11	4 49
T 8	13 21	7 34	4 43	9 57	3 47	20 53	0 25	22 15	2 4	21 10	0 26	19 34	1 30	20 26	0 8	11 59	1 50	24 47	12 47	19 16	19 29	3 36	18 12	4 49
W 9	13 1	13 41	5 9	10 20	3 45	20 39	0 28	22 20	2 3	21 7	0 26	19 35	1 29	20 26	0 8	11 59	1 50	24 46	12 47	19 17	19 30	3 39	18 12	4 49
T 10	12 41	18 56	5 15	10 44	3 41	20 26	0 30	22 25	2 3	21 5	0 26	19 35	1 29	20 26	0 8	12 0	1 49	24 45	12 47	19 17	19 31	3 43	18 12	4 49
F 11	12 20	23 0	5 1	11 9	3 35	20 11	0 33	22 31	2 3	21 2	0 26	19 36	1 29	20 26	0 8	12 0	1 49	24 45	12 47	19 18	19 31	3 46	18 12	4 48
S 12	11 59	25 40	4 31	11 34	3 28	19 56	0 35	22 36	2 2	20 59	0 26	19 36	1 29	20 27	0 8	12 1	1 49	24 44	12 47	19 18	19 32	3 49	18 13	4 48
S 13	11 38	26 48	3 47	11 59	3 19	19 41	0 38	22 41	2 2	20 57	0 26	19 37	1 28	20 27	0 8	12 1	1 49	24 44	12 47	19 17	19 33	3 52	18 13	4 48
M14	11 17	26 26	2 52	12 24	3 8	19 25	0 40	22 46	2 2	20 54	0 27	19 38	1 28	20 27	0 8	12 1	1 49	24 43	12 47	19 17	19 34	3 55	18 13	4 48
T 15	10 55	24 39	1 50	12 47	2 57	19 8	0 42	22 51	2 2	20 52	0 27	19 38	1 28	20 27	0 8	12 2	1 49	24 43	12 47	19 17	19 34	3 58	18 13	4 47
W16	10 34	21 42	0 44	13 10	2 44	18 51	0 45	22 56	2 1	20 49	0 27	19 39	1 28	20 27	0 8	12 2	1 49	24 42	12 47	19 16	19 35	4 1	18 14	4 47
T 17	10 12	17 48	0s24	13 31	2 31	18 33	0 47	23 1	2 1	20 46	0 27	19 39	1 27	20 27	0 8	12 3	1 49	24 42	12 47	19 16	19 36	4 4	18 14	4 47
F 18	9 50	13 13	1 29	13 51	2 18	18 15	0 49	23 6	2 1	20 44	0 27	19 40	1 27	20 27	0 8	12 3	1 49	24 41	12 47	19 17	19 37	4 7	18 14	4 46
S 19	9 28	8 11	2 30	14 9	2 4	17 56	0 51	23 11	2 0	20 41	0 27	19 41	1 27	20 28	0 8	12 4	1 49	24 41	12 47	19 17	19 37	4 11	18 15	4 46
S 20	9 6	2 53	3 23	14 25	1 50	17 37	0 53	23 16	2 0	20 39	0 27	19 41	1 27	20 28	0 8	12 4	1 49	24 40	12 48	19 18	19 38	4 14	18 15	4 46
M21	8 43	2s28	4 7	14 39	1 36	17 17	0 55	23 21	2 0	20 36	0 27	19 42	1 26	20 28	0 8	12 5	1 49	24 40	12 48	19 20	19 39	4 17	18 15	4 45
T 22	8 21	7 42	4 41	14 52	1 21	16 57	0 57	23 26	1 59	20 33	0 28	19 43	1 26	20 28	0 8	12 5	1 49	24 39	12 48	19 21	19 40	4 20	18 15	4 45
W23	7 58	12 40	5 2	15 2	1 8	16 36	0 59	23 30	1 59	20 31	0 28	19 43	1 26	20 28	0 8	12 6	1 49	24 39	12 48	19 23	19 40	4 23	18 16	4 45
T 24	7 36	17 11	5 10	15 11	0 54	16 15	1 1	23 35	1 59	20 28	0 28	19 44	1 26	20 28	0 8	12 6	1 49	24 38	12 48	19 24	19 41	4 26	18 16	4 45
F 25	7 13	21 4	5 5	15 17	0 40	15 53	1 3	23 39	1 58	20 26	0 28	19 45	1 25	20 28	0 8	12 7	1 49	24 38	12 48	19 25	19 42	4 29	18 17	4 44
S 26	6 50	24 6	4 46	15 22	0 27	15 31	1 5	23 44	1 58	20 23	0 28	19 46	1 25	20 28	0 8	12 7	1 49	24 37	12 48	19 26	19 42	4 32	18 17	4 44
S 27	6 27	26 4	4 14	15 25	0 15	15 9	1 7	23 48	1 58	20 20	0 28	19 47	1 25	20 28	0 8	12 8	1 48	24 37	12 48	19 27	19 43	4 35	18 17	4 44
M28	6 4	26 46	3 28	15 26	0 2	14 46	1 8	23 53	1 57	20 18	0 28	19 47	1 25	20 28	0 8	12 8	1 48	24 36	12 48	19 26	19 44	4 39	18 18	4 43
T 29	5s41	26s 0	2s31	15s26	0s 9	14s22	1s10	23n57	1n57	20s15	0s29	19n48	1s24	20s28	0n 8	12n 9	1s48	24s36	12s49	19s26	19s45	4s42	18n18	4s43

Julian Day Number = 2108253.5, Delta T = 20m02s
Ecliptic obliquity = 23°33'45, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°38'18, Lahiri = 10°45'18 Julian Calendar 1 Feb. 1060 == Greg. Calendar 7 Feb. 1060

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1060
geocentric

MARCH 1060 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 58 55	16♓39'25	18♉ 7	19♒28	26♒10	10♊11	2♒20	4♊46	1°R42	6♉49	26♒54	3♒40	2♒16	1♎42	17♊49	W 1
T 2	11 2 51	17°38'57	2♒ 4	20°14	27°24	10°41	2°32	4°49	1♐42	6°51	26°55	3°R41	2°13	1°49	17°50	T 2
F 3	11 6 48	18°38'26	16°28	21° 3	28°39	11°11	2°44	4°53	1°42	6°53	26°57	3°40	2°10	1°56	17°52	F 3
S 4	11 10 44	19°37'54	1♓17	21°56	29°53	11°41	2°56	4°56	1°41	6°54	26°58	3°38	2° 7	2° 2	17°53	S 4
S 5	11 14 41	20°37'19	16°24	22°52	1♓ 7	12°12	3° 8	5° 0	1°41	6°56	27° 0	3°33	2° 4	2° 9	17°55	S 5
M 6	11 18 38	21°36'42	1♈40	23°51	2°21	12°42	3°19	5° 4	1°41	6°58	27° 1	3°26	2° 0	2°16	17°56	M 6
T 7	11 22 34	22°36'03	16°55	24°52	3°35	13°13	3°31	5° 8	1°41	6°59	27° 3	3°19	1°57	2°23	17°58	T 7
W 8	11 26 31	23°35'22	1♉57	25°56	4°49	13°44	3°42	5°12	1°40	7° 1	27° 4	3°11	1°54	2°29	17°59	W 8
T 9	11 30 27	24°34'39	16°38	27° 2	6° 3	14°14	3°54	5°16	1°40	7° 3	27° 6	3° 5	1°51	2°36	18° 1	T 9
F 10	11 34 24	25°33'54	0♊53	28°11	7°17	14°45	4° 5	5°20	1°39	7° 5	27° 7	3° 0	1°48	2°43	18° 3	F 10
S 11	11 38 20	26°33'06	14°40	29°22	8°31	15°16	4°17	5°25	1°39	7° 6	27° 9	2°58	1°45	2°49	18° 5	S 11
S 12	11 42 17	27°32'15	27°59	0♓35	9°45	15°48	4°28	5°29	1°38	7° 8	27°10	2°D57	1°41	2°56	18° 7	S 12
M13	11 46 13	28°31'23	10♋54	1°50	10°59	16°19	4°39	5°33	1°38	7°10	27°12	2°57	1°38	3° 3	18° 9	M13
T 14	11 50 10	29°30'28	23°29	3° 7	12°13	16°50	4°50	5°38	1°37	7°12	27°13	2°58	1°35	3°10	18°11	T 14
W15	11 54 7	0♈29'30	5♌47	4°26	13°27	17°22	5° 1	5°43	1°36	7°14	27°15	2°R59	1°32	3°16	18°13	W15
T 16	11 58 3	1°28'30	17°54	5°47	14°41	17°53	5°12	5°47	1°35	7°16	27°16	2°57	1°29	3°23	18°16	T 16
F 17	12 2 0	2°27'28	29°53	7°10	15°55	18°25	5°22	5°52	1°35	7°18	27°18	2°54	1°25	3°30	18°18	F 17
S 18	12 5 56	3°26'24	11♍47	8°34	17° 9	18°57	5°33	5°57	1°34	7°19	27°19	2°48	1°22	3°36	18°20	S 18
S 19	12 9 53	4°25'17	23°39	10° 1	18°23	19°29	5°43	6° 2	1°33	7°21	27°20	2°39	1°19	3°43	18°23	S 19
M20	12 13 49	5°24'09	5♎30	11°28	19°37	20° 1	5°54	6° 7	1°32	7°23	27°22	2°28	1°16	3°50	18°25	M20
T 21	12 17 46	6°22'58	17°23	12°58	20°51	20°33	6° 4	6°12	1°31	7°25	27°23	2°16	1°13	3°56	18°28	T 21
W22	12 21 42	7°21'45	29°18	14°29	22° 5	21° 5	6°14	6°18	1°30	7°27	27°24	2° 4	1°10	4° 3	18°31	W22
T 23	12 25 39	8°20'31	11♏17	16° 2	23°19	21°37	6°24	6°23	1°29	7°29	27°26	1°52	1° 6	4°10	18°34	T 23
F 24	12 29 35	9°19'14	23°23	17°37	24°33	22°10	6°34	6°28	1°27	7°31	27°27	1°42	1° 3	4°17	18°37	F 24
S 25	12 33 32	10°17'56	5♐37	19°13	25°47	22°42	6°44	6°34	1°26	7°33	27°28	1°35	1° 0	4°23	18°40	S 25
S 26	12 37 29	11°16'36	18° 2	20°50	27° 1	23°15	6°54	6°39	1°25	7°35	27°29	1°30	0°57	4°30	18°43	S 26
M27	12 41 25	12°15'15	0♑42	22°30	28°15	23°47	7° 4	6°45	1°24	7°38	27°31	1°28	0°54	4°37	18°46	M27
T 28	12 45 22	13°13'51	13°40	24°11	29°29	24°20	7°13	6°50	1°22	7°40	27°32	1°D27	0°50	4°43	18°49	T 28
W29	12 49 18	14°12'26	27° 2	25°53	0♈43	24°53	7°23	6°56	1°21	7°42	27°33	1°R27	0°47	4°50	18°52	W29
T 30	12 53 15	15°10'59	10♒48	27°38	1°57	25°25	7°32	7° 2	1°20	7°44	27°34	1°27	0°44	4°57	18°55	T 30
F 31	12 57 11	16♈ 9'31	25♒ 1	29♓23	3♈11	25♊58	7♒41	7♊ 8	1♐18	7♉46	27♒36	1♒25	0♒41	5♎ 4	18♊59	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s18	23s42	1s23	15s23	0s21	13s59	1s11	24n 1	1n57	20s13	0s29	19n49	1s24	20s28	0n 8	12n 9	1s48	24s36	12s49	19s26	19s45	4s45	18n18	4s43
T 2	4 54	19 57	0 9	15 19	0 32	13 34	1 13	24 5	1 56	20 10	0 29	19 50	1 24	20 28	0 8	12 10	1 48	24 35	12 49	19 26	19 46	4 48	18 19	4 43
F 3	4 31	14 54	1n 9	15 13	0 42	13 10	1 14	24 9	1 56	20 7	0 29	19 51	1 24	20 28	0 8	12 11	1 48	24 35	12 49	19 26	19 47	4 51	18 19	4 42
S 4	4 8	8 50	2 23	15 5	0 52	12 45	1 16	24 13	1 56	20 5	0 29	19 52	1 24	20 28	0 8	12 11	1 48	24 34	12 49	19 26	19 47	4 54	18 20	4 42
S 5	3 44	2 10	3 30	14 56	1 2	12 20	1 17	24 17	1 55	20 2	0 29	19 53	1 23	20 28	0 8	12 12	1 48	24 34	12 49	19 28	19 48	4 57	18 20	4 42
M 6	3 21	4n40	4 22	14 45	1 11	11 54	1 18	24 20	1 55	20 0	0 30	19 53	1 23	20 28	0 8	12 12	1 48	24 33	12 49	19 29	19 49	5 0	18 20	4 41
T 7	2 57	11 12	4 55	14 33	1 19	11 29	1 19	24 24	1 55	19 57	0 30	19 54	1 23	20 28	0 8	12 13	1 48	24 33	12 50	19 31	19 50	5 3	18 21	4 41
W 8	2 33	17 0	5 7	14 19	1 27	11 2	1 20	24 27	1 54	19 54	0 30	19 55	1 23	20 28	0 8	12 14	1 48	24 33	12 50	19 33	19 50	5 6	18 21	4 41
T 9	2 10	21 39	4 59	14 3	1 35	10 36	1 21	24 31	1 54	19 52	0 30	19 56	1 22	20 28	0 8	12 14	1 48	24 32	12 50	19 34	19 51	5 9	18 22	4 41
F 10	1 46	24 52	4 32	13 46	1 42	10 9	1 22	24 34	1 54	19 49	0 30	19 57	1 22	20 28	0 8	12 15	1 48	24 32	12 50	19 35	19 52	5 12	18 22	4 40
S 11	1 23	26 29	3 50	13 27	1 49	9 42	1 23	24 37	1 53	19 47	0 30	19 58	1 22	20 28	0 8	12 15	1 48	24 32	12 50	19 36	19 52	5 16	18 23	4 40
S 12	0 59	26 29	2 56	13 7	1 55	9 15	1 24	24 40	1 53	19 44	0 31	19 59	1 22	20 27	0 8	12 16	1 48	24 31	12 51	19 36	19 53	5 19	18 23	4 40
M13	0 35	25 2	1 56	12 45	2 0	8 48	1 25	24 43	1 52	19 42	0 31	20 0	1 22	20 27	0 8	12 17	1 48	24 31	12 51	19 36	19 54	5 22	18 24	4 39
T 14	0 12	22 21	0 51	12 22	2 5	8 20	1 26	24 46	1 52	19 39	0 31	20 1	1 21	20 27	0 8	12 17	1 48	24 31	12 51	19 36	19 55	5 25	18 24	4 39
W15	0n12	18 41	0s15	11 57	2 10	7 52	1 26	24 49	1 52	19 37	0 31	20 2	1 21	20 27	0 8	12 18	1 48	24 30	12 51	19 36	19 55	5 28	18 24	4 39
T 16	0 35	14 17	1 19	11 31	2 14	7 24	1 27	24 51	1 51	19 34	0 31	20 3	1 21	20 27	0 8	12 19	1 48	24 30	12 51	19 36	19 56	5 31	18 25	4 39
F 17	0 59	9 24	2 19	11 3	2 18	6 55	1 27	24 54	1 51	19 32	0 31	20 4	1 21	20 27	0 8	12 19	1 48	24 30	12 52	19 37	19 57	5 34	18 25	4 38
S 18	1 22	4 13	3 12	10 34	2 21	6 27	1 28	24 56	1 51	19 29	0 32	20 5	1 21	20 27	0 8	12 20	1 48	24 29	12 52	19 38	19 57	5 37	18 26	4 38
S 19	1 46	1s 5	3 56	10 4	2 23	5 58	1 28	24 59	1 50	19 27	0 32	20 6	1 20	20 26	0 8	12 21	1 48	24 29	12 52	19 40	19 58	5 40	18 26	4 38
M20	2 9	6 19	4 30	9 32	2 26	5 29	1 29	25 1	1 50	19 25	0 32	20 8	1 20	20 26	0 8	12 21	1 48	24 29	12 52	19 43	19 59	5 43	18 27	4 37
T 21	2 33	11 21	4 52	8 59	2 27	5 0	1 29	25 3	1 50	19 22	0 32	20 9	1 20	20 26	0 8	12 22	1 48	24 28	12 52	19 45	20 0	5 46	18 27	4 37
W22	2 56	15 59	5 2	8 25	2 28	4 31	1 29	25 5	1 49	19 20	0 32	20 10	1 20	20 26	0 8	12 23	1 47	24 28	12 53	19 48	20 0	5 49	18 28	4 37
T 23	3 19	20 1	4 58	7 49	2 29	4 2	1 29	25 6	1 49	19 18	0 33	20 11	1 20	20 26	0 8	12 23	1 47	24 28	12 53	19 51	20 1	5 52	18 28	4 37
F 24	3 43	23 15	4 41	7 12	2 29	3 32	1 29	25 8	1 48	19 15	0 33	20 12	1 19	20 25	0 8	12 24	1 47	24 28	12 53	19 53	20 2	5 55	18 29	4 36
S 25	4 6	25 28	4 11	6 34	2 28	3 3	1 29	25 10	1 48	19 13	0 33	20 13	1 19	20 25	0 8	12 25	1 47	24 27	12 53	19 55	20 2	5 58	18 29	4 36
S 26	4 29	26 29	3 29	5 54	2 27	2 33	1 29	25 11	1 48	19 11	0 33	20 14	1 19	20 25	0 8	12 25	1 47	24 27	12 54	19 56	20 3	6 1	18 30	4 36
M27	4 52	26 9	2 36	5 13	2 26	2 4	1 29	25 12	1 47	19 8	0 33	20 15	1 19	20 25	0 8	12 26	1 47	24 27	12 54	19 56	20 4	6 4	18 30	4 36
T 28	5 15	24 24	1 33	4 31	2 24	1 34	1 29	25 13	1 47	19 6	0 33	20 16	1 19	20 24	0 8	12 27	1 47	24 27	12 54	19 56	20 4	6 7	18 31	4 35
W29	5 38	21 15	0 24	3 48	2 21	1 4	1 28	25 14	1 47	19 4	0 34	20 18	1 18	20 24	0 8	12 27	1 47	24 27	12 54	19 56	20 5	6 10	18 31	4 35
T 30	6 1	16 49	0n49	3 4	2 18	0 34	1 28	25 15	1 46	19 2	0 34	20 19	1 18	20 24	0 8	12 28	1 47	24 26	12 55	19 56	20 6	6 14	18 32	4 35
F 31	6n23	11s21	2n 1	2s18	2s15	0s 4	1s28	25n16	1n46	18s59	0s34	20n20	1s18	20s23	0n 8	12n29	1s47	24s26	12s55	19s57	20s 6	6s17	18n32	4s35

Julian Day Number = 2108282.5, Delta T = 20m02s
Ecliptic obliquity = 23°33'45, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°38'22, Lahiri = 10°45'22 Julian Calendar 1 March 1060 == Greg. Calendar 7 March 1060

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1060
geocentric

APRIL 1060 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 1 8	17♈ 8'00	9♓40	1♈11	4♈25	26♊31	7♒50	7♊14	1°R17	7♉48	27♒37	1°R21	0♒38	5♎10	19♊ 2	S 1
S 2	13 5 4	18° 6'28	24°41	3° 0	5°38	27° 4	7°59	7°20	1♐15	7°50	27°38	1♒14	0°35	5°17	19° 6	S 2
M 3	13 9 1	19° 4'55	9♈55	4°51	6°52	27°37	8° 8	7°26	1°13	7°52	27°39	1° 5	0°31	5°24	19° 9	M 3
T 4	13 12 58	20° 3'19	25°12	6°43	8° 6	28°11	8°16	7°32	1°12	7°55	27°40	0°54	0°28	5°30	19°13	T 4
W 5	13 16 54	21° 1'41	10♉21	8°37	9°20	28°44	8°25	7°38	1°10	7°57	27°41	0°44	0°25	5°37	19°16	W 5
T 6	13 20 51	22° 0'02	25°12	10°33	10°34	29°17	8°33	7°44	1° 9	7°59	27°42	0°34	0°22	5°44	19°20	T 6
F 7	13 24 47	22°58'21	9♊37	12°31	11°48	29°51	8°42	7°51	1° 7	8° 1	27°43	0°26	0°19	5°51	19°24	F 7
S 8	13 28 44	23°56'37	23°32	14°30	13° 2	0♋24	8°50	7°57	1° 5	8° 3	27°44	0°21	0°16	5°57	19°28	S 8
S 9	13 32 40	24°54'52	6♋58	16°30	14°16	0°58	8°58	8° 3	1° 3	8° 5	27°45	0°19	0°12	6° 4	19°32	S 9
M10	13 36 37	25°53'04	19°57	18°32	15°29	1°31	9° 5	8°10	1° 1	8° 8	27°46	0°18	0° 9	6°11	19°36	M10
T 11	13 40 33	26°51'14	2♌32	20°36	16°43	2° 5	9°13	8°16	1° 0	8°10	27°47	0°18	0° 6	6°17	19°40	T 11
W12	13 44 30	27°49'23	14°49	22°41	17°57	2°39	9°21	8°23	0°58	8°12	27°48	0°17	0° 3	6°24	19°44	W12
T 13	13 48 27	28°47'29	26°52	24°47	19°11	3°12	9°28	8°30	0°56	8°14	27°49	0°15	29♑59	6°31	19°48	T 13
F 14	13 52 23	29°45'33	8♍48	26°54	20°25	3°46	9°35	8°36	0°54	8°17	27°50	0°11	29°56	6°38	19°52	F 14
S 15	13 56 20	0♉43'35	20°39	29° 3	21°39	4°20	9°43	8°43	0°52	8°19	27°51	0° 4	29°53	6°44	19°56	S 15
S 16	14 0 16	1°41'35	2♎29	1♉12	22°52	4°54	9°50	8°50	0°50	8°21	27°52	29♑54	29°50	6°51	20° 1	S 16
M17	14 4 13	2°39'34	14°21	3°22	24° 6	5°28	9°56	8°57	0°48	8°23	27°53	29°42	29°47	6°58	20° 5	M17
T 18	14 8 9	3°37'31	26°17	5°32	25°20	6° 2	10° 3	9° 3	0°46	8°25	27°54	29°29	29°44	7° 4	20° 9	T 18
W19	14 12 6	4°35'26	8♏19	7°42	26°34	6°36	10°10	9°10	0°43	8°28	27°54	29°15	29°41	7°11	20°14	W19
T 20	14 16 2	5°33'20	20°27	9°53	27°47	7°10	10°16	9°17	0°41	8°30	27°55	29° 2	29°37	7°18	20°18	T 20
F 21	14 19 59	6°31'12	2♐42	12° 2	29° 1	7°45	10°22	9°24	0°39	8°32	27°56	28°50	29°34	7°24	20°23	F 21
S 22	14 23 56	7°29'03	15° 6	14°12	0♑15	8°19	10°28	9°31	0°37	8°34	27°57	28°42	29°31	7°31	20°27	S 22
S 23	14 27 52	8°26'52	27°41	16°20	1°29	8°53	10°34	9°38	0°35	8°37	27°57	28°36	29°28	7°38	20°32	S 23
M24	14 31 49	9°24'40	10♑28	18°27	2°42	9°28	10°40	9°46	0°32	8°39	27°58	28°33	29°25	7°45	20°37	M24
T 25	14 35 45	10°22'27	23°30	20°32	3°56	10° 2	10°46	9°53	0°30	8°41	27°59	28°D32	29°22	7°51	20°41	T 25
W26	14 39 42	11°20'13	6♒50	22°35	5°10	10°37	10°51	10° 0	0°28	8°44	27°59	28°R32	29°18	7°58	20°46	W26
T 27	14 43 38	12°17'58	20°31	24°37	6°24	11°11	10°56	10° 7	0°26	8°46	28° 0	28°31	29°15	8° 5	20°51	T 27
F 28	14 47 35	13°15'41	4♓33	26°36	7°37	11°46	11° 1	10°14	0°23	8°48	28° 1	28°30	29°12	8°11	20°56	F 28
S 29	14 51 31	14°13'23	18°58	28°33	8°51	12°20	11° 6	10°22	0°21	8°50	28° 1	28°26	29° 9	8°18	21° 1	S 29
S 30	14 55 28	15♉11'04	3♈41	0♊28	10♉ 5	12♋55	11♒11	10♊29	0♐19	8♉52	28♒ 2	28♑20	29♑ 6	8♎25	21♊ 6	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n46	5s 5	3n 8	1s32	2s11	0n26	1s27	25n16	1n45	18s57	0s34	20n21	1s18	20s23	0n 8	12n30	1s47	24s26	12s55	19s58	20s 7	6s20	18n33	4s34
S 2	7 8	1n35	4 2	0 44	2 6	0 56	1 27	25 17	1 45	18 55	0 34	20 22	1 18	20 23	0 8	12 30	1 47	24 26	12 55	19 59	20 8	6 23	18 33	4 34
M 3	7 31	8 14	4 41	0n 5	2 1	1 25	1 26	25 17	1 45	18 53	0 35	20 23	1 17	20 23	0 8	12 31	1 47	24 26	12 56	20 1	20 9	6 26	18 34	4 34
T 4	7 53	14 26	4 59	0 55	1 55	1 55	1 25	25 17	1 44	18 51	0 35	20 25	1 17	20 22	0 8	12 32	1 47	24 26	12 56	20 4	20 9	6 29	18 34	4 34
W 5	8 15	19 41	4 57	1 46	1 49	2 25	1 25	25 17	1 44	18 49	0 35	20 26	1 17	20 22	0 8	12 32	1 47	24 25	12 56	20 6	20 10	6 32	18 35	4 34
T 6	8 37	23 35	4 34	2 37	1 43	2 55	1 24	25 17	1 44	18 47	0 35	20 27	1 17	20 21	0 8	12 33	1 47	24 25	12 57	20 8	20 11	6 35	18 35	4 33
F 7	8 59	25 52	3 54	3 30	1 36	3 25	1 23	25 17	1 43	18 45	0 35	20 28	1 17	20 21	0 8	12 34	1 47	24 25	12 57	20 10	20 11	6 38	18 36	4 33
S 8	9 20	26 25	3 1	4 23	1 28	3 55	1 22	25 16	1 43	18 43	0 36	20 29	1 17	20 21	0 8	12 35	1 47	24 25	12 57	20 11	20 12	6 41	18 36	4 33
S 9	9 42	25 23	2 0	5 17	1 20	4 24	1 21	25 16	1 42	18 41	0 36	20 30	1 16	20 20	0 8	12 35	1 47	24 25	12 57	20 11	20 13	6 44	18 37	4 33
M10	10 3	22 58	0 54	6 12	1 11	4 54	1 20	25 15	1 42	18 39	0 36	20 32	1 16	20 20	0 8	12 36	1 47	24 25	12 58	20 11	20 13	6 47	18 37	4 33
T 11	10 24	19 30	0s12	7 7	1 3	5 23	1 19	25 14	1 42	18 37	0 36	20 33	1 16	20 20	0 8	12 37	1 47	24 25	12 58	20 11	20 14	6 50	18 38	4 32
W12	10 45	15 16	1 16	8 3	0 53	5 53	1 18	25 13	1 41	18 36	0 36	20 34	1 16	20 19	0 8	12 38	1 47	24 25	12 58	20 12	20 15	6 53	18 38	4 32
T 13	11 6	10 30	2 16	8 58	0 44	6 22	1 17	25 12	1 41	18 34	0 37	20 35	1 16	20 19	0 8	12 38	1 47	24 25	12 59	20 12	20 15	6 56	18 39	4 32
F 14	11 27	5 24	3 8	9 54	0 34	6 51	1 16	25 11	1 40	18 32	0 37	20 36	1 16	20 18	0 8	12 39	1 47	24 25	12 59	20 13	20 16	6 59	18 39	4 32
S 15	11 47	0 10	3 52	10 49	0 24	7 20	1 14	25 9	1 40	18 30	0 37	20 38	1 15	20 18	0 8	12 40	1 47	24 25	12 59	20 14	20 17	7 2	18 40	4 32
S 16	12 7	5s 4	4 27	11 45	0 13	7 49	1 13	25 8	1 40	18 29	0 37	20 39	1 15	20 18	0 8	12 40	1 47	24 25	13 0	20 17	20 17	7 5	18 40	4 31
M17	12 27	10 7	4 49	12 39	0 3	8 17	1 12	25 6	1 39	18 27	0 38	20 40	1 15	20 17	0 8	12 41	1 47	24 25	13 0	20 19	20 18	7 8	18 41	4 31
T 18	12 47	14 50	4 59	13 33	0n 8	8 46	1 10	25 4	1 39	18 25	0 38	20 41	1 15	20 17	0 8	12 42	1 47	24 25	13 0	20 22	20 19	7 11	18 41	4 31
W19	13 7	19 0	4 56	14 27	0 18	9 14	1 9	25 2	1 39	18 24	0 38	20 42	1 15	20 16	0 8	12 43	1 47	24 25	13 1	20 25	20 19	7 14	18 42	4 31
T 20	13 26	22 26	4 39	15 19	0 29	9 42	1 7	25 0	1 38	18 22	0 38	20 44	1 15	20 16	0 8	12 43	1 47	24 25	13 1	20 28	20 20	7 17	18 42	4 31
F 21	13 46	24 53	4 10	16 9	0 39	10 10	1 6	24 58	1 38	18 21	0 38	20 45	1 15	20 15	0 8	12 44	1 47	24 25	13 1	20 30	20 21	7 20	18 43	4 31
S 22	14 5	26 10	3 28	16 58	0 50	10 37	1 4	24 55	1 37	18 19	0 39	20 46	1 14	20 15	0 8	12 45	1 47	24 25	13 2	20 32	20 21	7 23	18 43	4 30
S 23	14 24	26 8	2 35	17 45	1 0	11 5	1 2	24 52	1 37	18 18	0 39	20 47	1 14	20 15	0 8	12 45	1 47	24 25	13 2	20 33	20 22	7 26	18 44	4 30
M24	14 42	24 43	1 34	18 31	1 9	11 32	1 0	24 50	1 37	18 17	0 39	20 48	1 14	20 14	0 8	12 46	1 47	24 25	13 2	20 34	20 23	7 29	18 44	4 30
T 25	15 0	21 56	0 27	19 14	1 18	11 59	0 59	24 47	1 36	18 15	0 39	20 50	1 14	20 14	0 8	12 47	1 47	24 25	13 3	20 34	20 23	7 32	18 45	4 30
W26	15 19	17 57	0n44	19 55	1 27	12 25	0 57	24 44	1 36	18 14	0 40	20 51	1 14	20 13	0 8	12 48	1 47	24 25	13 3	20 34	20 24	7 35	18 45	4 30
T 27	15 36	12 56	1 54	20 33	1 35	12 51	0 55	24 40	1 35	18 13	0 40	20 52	1 14	20 13	0 8	12 48	1 47	24 25	13 3	20 34	20 25	7 37	18 46	4 30
F 28	15 54	7 7	2 58	21 9	1 42	13 17	0 53	24 37	1 35	18 12	0 40	20 53	1 14	20 12	0 8	12 49	1 47	24 25	13 4	20 34	20 25	7 40	18 46	4 30
S 29	16 11	0 49	3 54	21 43	1 49	13 43	0 51	24 33	1 35	18 11	0 40	20 54	1 13	20 12	0 8	12 50	1 47	24 25	13 4	20 35	20 26	7 43	18 47	4 29
S 30	16n28	5n40	4n35	22n14	1n56	14n 8	0s49	24n30	1n34	18s10	0s41	20n56	1s13	20s11	0n 8	12n51	1s47	24s25	13s 4	20s36	20s27	7s46	18n47	4s29

Julian Day Number = 2108313.5, Delta T = 20m02s
Ecliptic obliquity = 23°33'45, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°38'26, Lahiri = 10°45'27 Julian Calendar 1 Apr. 1060 == Greg. Calendar 7 Apr. 1060

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1060
geocentric

MAY 1060 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 59 25	16♉ 8'44	18♈39	2♊19	11♉19	13♋30	11♒16	10♊36	0°R16	8♉55	28♒ 2	28°R12	29♎ 2	8♎32	21♊11	M 1
T 2	15 3 21	17° 6'23	3♉42	4° 8	12°32	14° 4	11°20	10°44	0♐14	8°57	28° 3	28♎ 2	28°59	8°38	21°16	T 2
W 3	15 7 18	18° 4'01	18°41	5°55	13°46	14°39	11°24	10°51	0°12	8°59	28° 3	27°52	28°56	8°45	21°21	W 3
T 4	15 11 14	19° 1'38	3♊26	7°38	15° 0	15°14	11°28	10°59	0° 9	9° 1	28° 4	27°42	28°53	8°52	21°26	T 4
F 5	15 15 11	19°59'13	17°50	9°18	16°14	15°49	11°32	11° 6	0° 7	9° 4	28° 4	27°35	28°50	8°58	21°31	F 5
S 6	15 19 7	20°56'47	1♋47	10°55	17°27	16°24	11°36	11°14	0° 4	9° 6	28° 5	27°30	28°47	9° 5	21°36	S 6
S 7	15 23 4	21°54'20	15°17	12°29	18°41	16°59	11°39	11°21	0° 2	9° 8	28° 5	27°27	28°43	9°12	21°41	S 7
M 8	15 27 0	22°51'51	28°20	14° 1	19°55	17°34	11°43	11°29	29♏59	9°10	28° 5	27°D27	28°40	9°19	21°47	M 8
T 9	15 30 57	23°49'20	10♌58	15°28	21° 8	18° 9	11°46	11°36	29°57	9°13	28° 6	27°27	28°37	9°25	21°52	T 9
W10	15 34 54	24°46'49	23°18	16°53	22°22	18°44	11°49	11°44	29°55	9°15	28° 6	27°R28	28°34	9°32	21°57	W10
T 11	15 38 50	25°44'16	5♍23	18°15	23°36	19°20	11°52	11°52	29°52	9°17	28° 6	27°27	28°31	9°39	22° 2	T 11
F 12	15 42 47	26°41'41	17°19	19°33	24°50	19°55	11°54	11°59	29°50	9°19	28° 7	27°25	28°28	9°45	22° 8	F 12
S 13	15 46 43	27°39'06	29°11	20°48	26° 3	20°30	11°57	12° 7	29°47	9°21	28° 7	27°20	28°24	9°52	22°13	S 13
S 14	15 50 40	28°36'29	11♎ 2	21°59	27°17	21° 5	11°59	12°15	29°45	9°23	28° 7	27°14	28°21	9°59	22°19	S 14
M15	15 54 36	29°33'51	22°57	23° 7	28°31	21°41	12° 1	12°22	29°42	9°26	28° 7	27° 5	28°18	10° 6	22°24	M15
T 16	15 58 33	0♊31'12	4♏58	24°12	29°44	22°16	12° 3	12°30	29°40	9°28	28° 7	26°55	28°15	10°12	22°30	T 16
W17	16 2 29	1°28'32	17° 8	25°13	0♊58	22°52	12° 5	12°38	29°37	9°30	28° 8	26°45	28°12	10°19	22°35	W17
T 18	16 6 26	2°25'51	29°27	26°11	2°12	23°27	12° 6	12°46	29°35	9°32	28° 8	26°35	28° 8	10°26	22°41	T 18
F 19	16 10 23	3°23'10	11♐56	27° 5	3°25	24° 2	12° 7	12°53	29°32	9°34	28° 8	26°27	28° 5	10°33	22°46	F 19
S 20	16 14 19	4°20'27	24°36	27°55	4°39	24°38	12° 9	13° 1	29°30	9°36	28° 8	26°21	28° 2	10°39	22°52	S 20
S 21	16 18 16	5°17'44	7♑28	28°41	5°53	25°14	12°10	13° 9	29°27	9°38	28° 8	26°17	27°59	10°46	22°57	S 21
M22	16 22 12	6°15'01	20°31	29°23	7° 6	25°49	12°10	13°17	29°25	9°40	28° 8	26°D15	27°56	10°53	23° 3	M22
T 23	16 26 9	7°12'17	3♒47	0♋ 1	8°20	26°25	12°11	13°25	29°22	9°42	28°R 8	26°15	27°53	10°59	23° 8	T 23
W24	16 30 5	8° 9'32	17°17	0°35	9°34	27° 1	12°11	13°32	29°20	9°44	28° 8	26°16	27°49	11° 6	23°14	W24
T 25	16 34 2	9° 6'47	1♓ 1	1° 5	10°47	27°36	12°R11	13°40	29°18	9°46	28° 8	26°17	27°46	11°13	23°20	T 25
F 26	16 37 58	10° 4'02	15° 0	1°30	12° 1	28°12	12°11	13°48	29°15	9°48	28° 8	26°R17	27°43	11°20	23°25	F 26
S 27	16 41 55	11° 1'16	29°14	1°52	13°15	28°48	12°11	13°56	29°13	9°50	28° 8	26°16	27°40	11°26	23°31	S 27
S 28	16 45 52	11°58'31	13♈40	2° 8	14°28	29°24	12°11	14° 4	29°10	9°52	28° 8	26°13	27°37	11°33	23°37	S 28
M29	16 49 48	12°55'45	28°16	2°20	15°42	29°59	12°10	14°12	29° 8	9°54	28° 8	26° 8	27°33	11°40	23°42	M29
T 30	16 53 45	13°52'58	12♉55	2°28	16°56	0♌36	12° 9	14°19	29° 6	9°56	28° 7	26° 2	27°30	11°46	23°48	T 30
W31	16 57 41	14♊50'12	27♉30	2°R31	18♊10	1♌12	12♒ 8	14♊27	29♏ 3	9♉58	28♒ 7	25♑56	27♑27	11♎53	23♊54	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n45	11n55	4n58	22n43	2n 1	14n33	0s47	24n26	1n34	18s 9	0s41	20n57	1s13	20s11	0n 8	12n51	1s47	24s26	13s 5	20s38	20s27	7s49	18n47	4s29
T 2	17 2	17 31	5 0	23 8	2 6	14 58	0 45	24 22	1 33	18 8	0 41	20 58	1 13	20 10	0 8	12 52	1 47	24 26	13 5	20 40	20 28	7 52	18 48	4 29
W 3	17 18	21 59	4 42	23 32	2 10	15 22	0 43	24 18	1 33	18 7	0 41	20 59	1 13	20 10	0 8	12 53	1 47	24 26	13 5	20 42	20 29	7 55	18 48	4 29
T 4	17 34	24 58	4 6	23 53	2 13	15 46	0 41	24 13	1 33	18 6	0 42	21 0	1 13	20 9	0 8	12 53	1 47	24 26	13 6	20 44	20 29	7 58	18 49	4 29
F 5	17 50	26 13	3 14	24 11	2 15	16 9	0 39	24 9	1 32	18 5	0 42	21 1	1 13	20 9	0 8	12 54	1 47	24 26	13 6	20 45	20 30	8 1	18 49	4 29
S 6	18 5	25 45	2 12	24 27	2 17	16 32	0 37	24 4	1 32	18 4	0 42	21 3	1 13	20 8	0 8	12 55	1 47	24 26	13 6	20 46	20 31	8 4	18 49	4 29
S 7	18 20	23 45	1 4	24 41	2 18	16 55	0 35	23 59	1 31	18 3	0 42	21 4	1 12	20 8	0 8	12 55	1 47	24 26	13 7	20 47	20 31	8 7	18 50	4 29
M 8	18 35	20 32	0s 5	24 53	2 18	17 17	0 32	23 54	1 31	18 3	0 43	21 5	1 12	20 7	0 8	12 56	1 47	24 27	13 7	20 47	20 32	8 10	18 50	4 29
T 9	18 49	16 25	1 12	25 2	2 17	17 39	0 30	23 49	1 31	18 2	0 43	21 6	1 12	20 7	0 8	12 57	1 47	24 27	13 7	20 47	20 33	8 13	18 51	4 28
W10	19 4	11 43	2 13	25 9	2 15	18 0	0 28	23 44	1 30	18 1	0 43	21 7	1 12	20 6	0 8	12 58	1 47	24 27	13 8	20 47	20 33	8 16	18 51	4 28
T 11	19 17	6 40	3 8	25 15	2 13	18 21	0 26	23 39	1 30	18 1	0 43	21 8	1 12	20 6	0 8	12 58	1 47	24 27	13 8	20 47	20 34	8 19	18 51	4 28
F 12	19 31	1 27	3 54	25 18	2 10	18 42	0 23	23 33	1 29	18 0	0 44	21 9	1 12	20 5	0 8	12 59	1 47	24 28	13 8	20 47	20 35	8 22	18 52	4 28
S 13	19 44	3s47	4 29	25 20	2 5	19 2	0 21	23 27	1 29	18 0	0 44	21 10	1 12	20 5	0 8	13 0	1 47	24 28	13 9	20 48	20 35	8 25	18 52	4 28
S 14	19 57	8 52	4 52	25 20	2 1	19 21	0 19	23 21	1 29	17 59	0 44	21 12	1 12	20 4	0 8	13 0	1 47	24 28	13 9	20 49	20 36	8 27	18 53	4 28
M15	20 10	13 39	5 4	25 18	1 55	19 40	0 16	23 15	1 28	17 59	0 44	21 13	1 12	20 4	0 8	13 1	1 47	24 28	13 10	20 51	20 36	8 30	18 53	4 28
T 16	20 22	17 58	5 1	25 14	1 49	19 58	0 14	23 9	1 28	17 59	0 45	21 14	1 11	20 3	0 8	13 2	1 47	24 29	13 10	20 53	20 37	8 33	18 53	4 28
W17	20 34	21 36	4 46	25 10	1 41	20 16	0 12	23 3	1 27	17 59	0 45	21 15	1 11	20 3	0 8	13 2	1 47	24 29	13 10	20 55	20 38	8 36	18 54	4 28
T 18	20 45	24 18	4 16	25 4	1 33	20 33	0 9	22 56	1 27	17 58	0 45	21 16	1 11	20 2	0 8	13 3	1 47	24 29	13 11	20 57	20 38	8 39	18 54	4 28
F 19	20 56	25 53	3 35	24 56	1 24	20 50	0 7	22 50	1 27	17 58	0 45	21 17	1 11	20 2	0 8	13 3	1 47	24 29	13 11	20 58	20 39	8 42	18 54	4 28
S 20	21 7	26 8	2 41	24 48	1 15	21 6	0 5	22 43	1 26	17 58	0 46	21 18	1 11	20 1	0 8	13 4	1 47	24 30	13 11	20 59	20 40	8 45	18 55	4 28
S 21	21 18	25 0	1 39	24 38	1 5	21 22	0 2	22 36	1 26	17 58	0 46	21 19	1 11	20 0	0 8	13 5	1 47	24 30	13 12	21 0	20 40	8 48	18 55	4 28
M22	21 28	22 30	0 31	24 27	0 54	21 37	0n 0	22 29	1 25	17 58	0 46	21 20	1 11	20 0	0 8	13 5	1 47	24 30	13 12	21 1	20 41	8 51	18 55	4 28
T 23	21 37	18 45	0n41	24 15	0 42	21 51	0 2	22 22	1 25	17 58	0 46	21 21	1 11	19 59	0 8	13 6	1 47	24 31	13 12	21 0	20 42	8 54	18 55	4 28
W24	21 47	13 58	1 51	24 3	0 29	22 5	0 5	22 15	1 24	17 59	0 47	21 22	1 11	19 59	0 8	13 7	1 47	24 31	13 13	21 0	20 42	8 57	18 56	4 28
T 25	21 56	8 25	2 56	23 50	0 16	22 18	0 7	22 7	1 24	17 59	0 47	21 23	1 11	19 58	0 8	13 7	1 47	24 31	13 13	21 0	20 43	8 59	18 56	4 28
F 26	22 4	2 22	3 52	23 36	0 2	22 30	0 10	22 0	1 24	17 59	0 47	21 24	1 11	19 58	0 8	13 8	1 47	24 32	13 13	21 0	20 43	9 2	18 56	4 28
S 27	22 13	3n54	4 35	23 21	0s12	22 42	0 12	21 52	1 23	17 59	0 47	21 25	1 10	19 57	0 8	13 8	1 47	24 32	13 14	21 0	20 44	9 5	18 57	4 28
S 28	22 20	10 2	5 1	23 6	0 27	22 53	0 14	21 44	1 23	18 0	0 48	21 26	1 10	19 57	0 8	13 9	1 47	24 32	13 14	21 1	20 45	9 8	18 57	4 28
M29	22 28	15 42	5 8	22 51	0 42	23 4	0 17	21 36	1 22	18 0	0 48	21 27	1 10	19 56	0 8	13 10	1 47	24 33	13 15	21 2	20 45	9 11	18 57	4 28
T 30	22 35	20 29	4 55	22 35	0 58	23 14	0 19	21 28	1 22	18 1	0 48	21 28	1 10	19 56	0 8	13 10	1 47	24 33	13 15	21 3	20 46	9 14	18 57	4 28
W31	22n42	23n58	4n23	22n19	1s14	23n23	0n21	21n19	1n22	18s 1	0s49	21n29	1s10	19s55	0n 8	13n11	1s47	24s34	13s15	21s 4	20s47	9s17	18n58	4s28

Julian Day Number = 2108343.5, Delta T = 20m01s
Ecliptic obliquity = 23°33'44, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°38'30, Lahiri = 10°45'31 Julian Calendar 1 May 1060 == Greg. Calendar 7 May 1060

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1060
geocentric

JUNE 1060 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 1 38	15♊47'25	11♊56	2°R29	19♊23	1♌48	12°R 7	14♊35	29°R 1	10♉ 0	28°R 7	25°R50	27♑24	12♎ 0	24♊ 0	T 1
F 2	17 5 34	16°44'38	26° 5	2♋23	20°37	2°24	12♒ 6	14°43	28♏59	10° 2	28♒ 7	25♑46	27°21	12° 7	24° 5	F 2
S 3	17 9 31	17°41'51	9♋53	2°13	21°51	3° 0	12° 4	14°51	28°56	10° 4	28° 7	25°43	27°18	12°13	24°11	S 3
S 4	17 13 28	18°39'03	23°18	1°58	23° 4	3°36	12° 3	14°59	28°54	10° 6	28° 6	25°D42	27°14	12°20	24°17	S 4
M 5	17 17 24	19°36'15	6♌20	1°39	24°18	4°12	12° 1	15° 7	28°52	10° 8	28° 6	25°42	27°11	12°27	24°23	M 5
T 6	17 21 21	20°33'26	19° 0	1°17	25°32	4°48	11°58	15°14	28°50	10° 9	28° 6	25°43	27° 8	12°33	24°29	T 6
W 7	17 25 17	21°30'36	1♍21	0°51	26°46	5°25	11°56	15°22	28°47	10°11	28° 5	25°45	27° 5	12°40	24°34	W 7
T 8	17 29 14	22°27'47	13°29	0°22	27°59	6° 1	11°54	15°30	28°45	10°13	28° 5	25°46	27° 2	12°47	24°40	T 8
F 9	17 33 10	23°24'56	25°27	29♊51	29°13	6°37	11°51	15°38	28°43	10°15	28° 5	25°R47	26°59	12°54	24°46	F 9
S 10	17 37 7	24°22'06	7♎20	29°17	0♋27	7°13	11°48	15°46	28°41	10°17	28° 4	25°46	26°55	13° 0	24°52	S 10
S 11	17 41 3	25°19'15	19°14	28°42	1°40	7°50	11°45	15°53	28°39	10°18	28° 4	25°44	26°52	13° 7	24°58	S 11
M12	17 45 0	26°16'23	1♏11	28° 5	2°54	8°26	11°42	16° 1	28°37	10°20	28° 3	25°40	26°49	13°14	25° 3	M12
T 13	17 48 57	27°13'32	13°17	27°29	4° 8	9° 3	11°38	16° 9	28°34	10°22	28° 3	25°36	26°46	13°20	25° 9	T 13
W14	17 52 53	28°10'41	25°33	26°52	5°22	9°39	11°35	16°17	28°32	10°23	28° 2	25°31	26°43	13°27	25°15	W14
T 15	17 56 50	29° 7'49	8♐ 3	26°17	6°35	10°16	11°31	16°24	28°30	10°25	28° 2	25°27	26°39	13°34	25°21	T 15
F 16	18 0 46	0♋ 4'57	20°46	25°42	7°49	10°52	11°27	16°32	28°28	10°27	28° 1	25°24	26°36	13°41	25°27	F 16
S 17	18 4 43	1° 2'06	3♑45	25°10	9° 3	11°29	11°23	16°40	28°26	10°28	28° 1	25°21	26°33	13°47	25°33	S 17
S 18	18 8 39	1°59'14	16°58	24°41	10°17	12° 6	11°19	16°47	28°25	10°30	28° 0	25°20	26°30	13°54	25°38	S 18
M19	18 12 36	2°56'23	0♒24	24°15	11°30	12°42	11°14	16°55	28°23	10°31	28° 0	25°D20	26°27	14° 1	25°44	M19
T 20	18 16 32	3°53'33	14° 3	23°52	12°44	13°19	11°10	17° 3	28°21	10°33	27°59	25°20	26°24	14° 8	25°50	T 20
W21	18 20 29	4°50'42	27°52	23°34	13°58	13°56	11° 5	17°10	28°19	10°34	27°58	25°22	26°20	14°14	25°56	W21
T 22	18 24 26	5°47'52	11♓51	23°20	15°11	14°32	11° 0	17°18	28°17	10°36	27°58	25°23	26°17	14°21	26° 2	T 22
F 23	18 28 22	6°45'03	25°57	23°11	16°25	15° 9	10°55	17°25	28°15	10°37	27°57	25°24	26°14	14°28	26° 7	F 23
S 24	18 32 19	7°42'14	10♈ 9	23°D 6	17°39	15°46	10°50	17°33	28°14	10°39	27°56	25°R24	26°11	14°34	26°13	S 24
S 25	18 36 15	8°39'26	24°25	23° 7	18°53	16°23	10°44	17°41	28°12	10°40	27°55	25°24	26° 8	14°41	26°19	S 25
M26	18 40 12	9°36'39	8♉42	23°14	20° 6	17° 0	10°39	17°48	28°10	10°41	27°55	25°22	26° 5	14°48	26°25	M26
T 27	18 44 8	10°33'52	22°56	23°26	21°20	17°37	10°33	17°56	28° 9	10°43	27°54	25°21	26° 1	14°55	26°30	T 27
W28	18 48 5	11°31'07	7♊ 4	23°43	22°34	18°14	10°27	18° 3	28° 7	10°44	27°53	25°19	25°58	15° 1	26°36	W28
T 29	18 52 1	12°28'22	21° 2	24° 6	23°48	18°51	10°21	18°10	28° 6	10°45	27°52	25°17	25°55	15° 8	26°42	T 29
F 30	18 55 58	13♋25'37	4♋47	24♊35	25♋ 2	19♌28	10♒15	18♊18	28♏ 4	10♉47	27♒52	25♑16	25♑52	15♎15	26♊47	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n48	25n53	3n35	22n 2	1s30	23n32	0n24	21n11	1n21	18s 2	0s49	21n30	1s10	19s55	0n 8	13n11	1s48	24s34	13s16	21s 5	20s47	9s20	18n58	4s28
F 2	22 54	26 4	2 34	21 46	1 46	23 40	0 26	21 2	1 21	18 2	0 49	21 31	1 10	19 54	0 8	13 12	1 48	24 34	13 16	21 6	20 48	9 22	18 58	4 28
S 3	22 59	24 36	1 25	21 30	2 3	23 47	0 28	20 53	1 20	18 3	0 49	21 32	1 10	19 54	0 8	13 12	1 48	24 35	13 16	21 7	20 48	9 25	18 58	4 28
S 4	23 4	21 45	0 13	21 14	2 19	23 53	0 30	20 45	1 20	18 4	0 50	21 33	1 10	19 53	0 8	13 13	1 48	24 35	13 17	21 7	20 49	9 28	18 58	4 28
M 5	23 9	17 51	0s58	20 58	2 35	23 59	0 33	20 35	1 19	18 5	0 50	21 34	1 10	19 53	0 8	13 14	1 48	24 36	13 17	21 7	20 50	9 31	18 59	4 28
T 6	23 13	13 15	2 4	20 42	2 51	24 4	0 35	20 26	1 19	18 5	0 50	21 35	1 10	19 52	0 8	13 14	1 48	24 36	13 17	21 6	20 50	9 34	18 59	4 28
W 7	23 17	8 13	3 2	20 27	3 6	24 8	0 37	20 17	1 19	18 6	0 50	21 36	1 10	19 52	0 8	13 15	1 48	24 36	13 18	21 6	20 51	9 37	18 59	4 28
T 8	23 21	2 58	3 51	20 13	3 21	24 12	0 39	20 8	1 18	18 7	0 51	21 37	1 10	19 51	0 8	13 15	1 48	24 37	13 18	21 6	20 52	9 40	18 59	4 28
F 9	23 24	2s18	4 30	19 59	3 35	24 15	0 41	19 58	1 18	18 8	0 51	21 38	1 9	19 51	0 8	13 16	1 48	24 37	13 18	21 6	20 52	9 42	18 59	4 28
S 10	23 26	7 28	4 56	19 46	3 47	24 17	0 43	19 48	1 17	18 9	0 51	21 39	1 9	19 51	0 8	13 16	1 48	24 38	13 19	21 6	20 53	9 45	18 59	4 29
S 11	23 29	12 20	5 10	19 34	3 59	24 19	0 46	19 39	1 17	18 10	0 51	21 40	1 9	19 50	0 8	13 17	1 48	24 38	13 19	21 6	20 53	9 48	18 59	4 29
M12	23 31	16 48	5 11	19 23	4 10	24 19	0 48	19 29	1 16	18 12	0 52	21 40	1 9	19 50	0 8	13 17	1 48	24 39	13 19	21 7	20 54	9 51	19 0	4 29
T 13	23 32	20 38	4 58	19 13	4 19	24 19	0 50	19 18	1 16	18 13	0 52	21 41	1 9	19 49	0 8	13 18	1 48	24 39	13 20	21 8	20 55	9 54	19 0	4 29
W14	23 33	23 38	4 31	19 5	4 27	24 19	0 52	19 8	1 16	18 14	0 52	21 42	1 9	19 49	0 8	13 18	1 48	24 40	13 20	21 9	20 55	9 57	19 0	4 29
T 15	23 34	25 33	3 51	18 58	4 33	24 17	0 54	18 58	1 15	18 15	0 52	21 43	1 9	19 48	0 8	13 19	1 48	24 40	13 20	21 9	20 56	9 59	19 0	4 29
F 16	23 34	26 12	2 58	18 52	4 38	24 15	0 55	18 47	1 15	18 17	0 53	21 44	1 9	19 48	0 8	13 19	1 48	24 41	13 21	21 10	20 56	10 2	19 0	4 29
S 17	23 33	25 26	1 56	18 48	4 41	24 12	0 57	18 37	1 14	18 18	0 53	21 45	1 9	19 47	0 8	13 20	1 48	24 41	13 21	21 11	20 57	10 5	19 0	4 29
S 18	23 33	23 14	0 46	18 45	4 42	24 9	0 59	18 26	1 14	18 19	0 53	21 45	1 9	19 47	0 8	13 20	1 48	24 42	13 21	21 11	20 58	10 8	19 0	4 29
M19	23 32	19 43	0n28	18 44	4 42	24 4	1 1	18 15	1 13	18 21	0 53	21 46	1 9	19 47	0 8	13 20	1 48	24 42	13 21	21 11	20 58	10 11	19 0	4 30
T 20	23 30	15 5	1 41	18 45	4 41	23 59	1 3	18 4	1 13	18 22	0 54	21 47	1 9	19 46	0 8	13 21	1 48	24 43	13 22	21 11	20 59	10 14	19 0	4 30
W21	23 28	9 37	2 50	18 47	4 38	23 54	1 4	17 53	1 13	18 24	0 54	21 48	1 9	19 46	0 8	13 21	1 48	24 43	13 22	21 10	21 0	10 16	19 0	4 30
T 22	23 26	3 38	3 49	18 51	4 33	23 47	1 6	17 42	1 12	18 26	0 54	21 49	1 9	19 45	0 8	13 22	1 48	24 44	13 22	21 10	21 0	10 19	19 0	4 30
F 23	23 23	2n35	4 35	18 56	4 28	23 40	1 8	17 31	1 12	18 27	0 54	21 49	1 9	19 45	0 8	13 22	1 48	24 44	13 23	21 10	21 1	10 22	19 0	4 30
S 24	23 20	8 42	5 4	19 3	4 21	23 32	1 9	17 19	1 11	18 29	0 55	21 50	1 9	19 45	0 8	13 22	1 48	24 45	13 23	21 10	21 1	10 25	19 0	4 30
S 25	23 17	14 23	5 15	19 11	4 12	23 23	1 11	17 8	1 11	18 31	0 55	21 51	1 9	19 44	0 8	13 23	1 49	24 45	13 23	21 10	21 2	10 28	19 0	4 30
M26	23 13	19 18	5 7	19 20	4 3	23 14	1 12	16 56	1 10	18 32	0 55	21 52	1 9	19 44	0 8	13 23	1 49	24 46	13 24	21 10	21 3	10 30	19 0	4 31
T 27	23 8	23 6	4 40	19 31	3 53	23 4	1 14	16 44	1 10	18 34	0 55	21 52	1 9	19 44	0 7	13 24	1 49	24 46	13 24	21 11	21 3	10 33	19 0	4 31
W28	23 4	25 28	3 56	19 43	3 42	22 54	1 15	16 33	1 9	18 36	0 56	21 53	1 9	19 43	0 7	13 24	1 49	24 47	13 24	21 11	21 4	10 36	19 0	4 31
T 29	22 58	26 13	2 58	19 55	3 31	22 42	1 16	16 21	1 9	18 38	0 56	21 54	1 9	19 43	0 7	13 24	1 49	24 47	13 24	21 11	21 4	10 39	19 0	4 31
F 30	22n53	25n19	1n51	20n 9	3s18	22n30	1n17	16n 8	1n 9	18s40	0s56	21n54	1s 9	19s43	0n 7	13n25	1s49	24s48	13s25	21s11	21s 5	10s41	19n 0	4s31

Julian Day Number = 2108374.5, Delta T = 20m01s
Ecliptic obliquity = 23°33'43, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°38'34, Lahiri = 10°45'35 Julian Calendar 1 June 1060 == Greg. Calendar 7 June 1060

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1060
geocentric

JULY 1060 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 59 55	14♋22'53	18♋16	25♊ 9	26♋15	20♌ 5	10°R 9	18♊25	28°R 3	10♉48	27°R51	25°R16	25♂49	15♎21	26♊53	S 1
S 2	19 3 51	15°20'10	1♌27	25°49	27°29	20°42	10♒ 3	18°32	28♏ 1	10°49	27♒50	25°D16	25°45	15°28	26°59	S 2
M 3	19 7 48	16°17'27	14°21	26°34	28°43	21°20	9°56	18°40	28° 0	10°50	27°49	25♂16	25°42	15°35	27° 4	M 3
T 4	19 11 44	17°14'45	26°56	27°25	29°57	21°57	9°50	18°47	27°59	10°51	27°48	25°17	25°39	15°42	27°10	T 4
W 5	19 15 41	18°12'03	9♍17	28°22	1♌10	22°34	9°43	18°54	27°57	10°52	27°47	25°18	25°36	15°48	27°16	W 5
T 6	19 19 37	19° 9'22	21°24	29°23	2°24	23°11	9°36	19° 1	27°56	10°53	27°46	25°18	25°33	15°55	27°21	T 6
F 7	19 23 34	20° 6'41	3♎23	0♋30	3°38	23°49	9°29	19° 8	27°55	10°55	27°45	25°19	25°30	16° 2	27°27	F 7
S 8	19 27 30	21° 4'01	15°17	1°42	4°52	24°26	9°22	19°16	27°54	10°56	27°44	25°19	25°26	16° 9	27°32	S 8
S 9	19 31 27	22° 1'22	27°11	3° 0	6° 6	25° 4	9°15	19°23	27°53	10°57	27°43	25°R19	25°23	16°15	27°38	S 9
M10	19 35 24	22°58'43	9♏ 9	4°22	7°19	25°41	9° 8	19°30	27°51	10°57	27°42	25°19	25°20	16°22	27°43	M10
T 11	19 39 20	23°56'04	21°16	5°48	8°33	26°19	9° 1	19°37	27°50	10°58	27°41	25°19	25°17	16°29	27°49	T 11
W12	19 43 17	24°53'27	3♐35	7°20	9°47	26°56	8°53	19°44	27°49	10°59	27°40	25°D19	25°14	16°35	27°54	W12
T 13	19 47 13	25°50'50	16°11	8°55	11° 1	27°34	8°46	19°50	27°48	11° 0	27°39	25°19	25°11	16°42	28° 0	T 13
F 14	19 51 10	26°48'14	29° 5	10°35	12°14	28°11	8°38	19°57	27°48	11° 1	27°38	25°19	25° 7	16°49	28° 5	F 14
S 15	19 55 6	27°45'39	12♑19	12°18	13°28	28°49	8°31	20° 4	27°47	11° 2	27°37	25°19	25° 4	16°56	28°10	S 15
S 16	19 59 3	28°43'04	25°52	14° 5	14°42	29°27	8°23	20°11	27°46	11° 3	27°36	25°R19	25° 1	17° 2	28°16	S 16
M17	20 3 0	29°40'31	9♒43	15°55	15°56	0♍ 4	8°16	20°17	27°45	11° 3	27°35	25°19	24°58	17° 9	28°21	M17
T 18	20 6 56	0♌37'59	23°49	17°48	17° 9	0°42	8° 8	20°24	27°45	11° 4	27°34	25°18	24°55	17°16	28°26	T 18
W19	20 10 53	1°35'28	8♓ 5	19°44	18°23	1°20	8° 0	20°31	27°44	11° 5	27°33	25°18	24°51	17°23	28°31	W19
T 20	20 14 49	2°32'58	22°28	21°41	19°37	1°58	7°53	20°37	27°43	11° 5	27°32	25°17	24°48	17°29	28°37	T 20
F 21	20 18 46	3°30'30	6♈52	23°41	20°51	2°35	7°45	20°44	27°43	11° 6	27°31	25°16	24°45	17°36	28°42	F 21
S 22	20 22 42	4°28'03	21°13	25°41	22° 4	3°13	7°37	20°50	27°42	11° 7	27°30	25°16	24°42	17°43	28°47	S 22
S 23	20 26 39	5°25'38	5♉28	27°43	23°18	3°51	7°29	20°57	27°42	11° 7	27°28	25°D15	24°39	17°49	28°52	S 23
M24	20 30 35	6°23'14	19°34	29°45	24°32	4°29	7°21	21° 3	27°41	11° 8	27°27	25°16	24°36	17°56	28°57	M24
T 25	20 34 32	7°20'52	3♊30	1♌47	25°46	5° 7	7°13	21° 9	27°41	11° 8	27°26	25°16	24°32	18° 3	29° 2	T 25
W26	20 38 29	8°18'32	17°15	3°50	26°59	5°45	7° 6	21°15	27°41	11° 9	27°25	25°17	24°29	18°10	29° 7	W26
T 27	20 42 25	9°16'13	0♋46	5°52	28°13	6°24	6°58	21°21	27°40	11° 9	27°24	25°18	24°26	18°16	29°12	T 27
F 28	20 46 22	10°13'56	14° 5	7°54	29°27	7° 2	6°50	21°28	27°40	11°10	27°23	25°19	24°23	18°23	29°17	F 28
S 29	20 50 18	11°11'40	27°11	9°55	0♍40	7°40	6°42	21°34	27°40	11°10	27°21	25°R20	24°20	18°30	29°22	S 29
S 30	20 54 15	12° 9'26	10♌ 3	11°56	1°54	8°18	6°34	21°40	27°40	11°10	27°20	25°19	24°17	18°36	29°27	S 30
M31	20 58 11	13♌ 7'13	22♌42	13♌56	3♍ 8	8♍56	6♒27	21♊45	27°D40	11♉11	27♒19	25♂18	24♂13	18♎43	29♊31	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n47	22n57	0n39	20n23	3s 5	22n18	1n19	15n56	1n 8	18s42	0s56	21n55	1s 9	19s42	0n 7	13n25	1s49	24s49	13s25	21s12	21s 5	10s44	19n 0	4s31
S 2	22 41	19 23	0s34	20 38	2 52	22 4	1 20	15 44	1 8	18 43	0 56	21 56	1 8	19 42	0 7	13 25	1 49	24 49	13 25	21 12	21 6	10 47	19 0	4 32
M 3	22 34	14 57	1 44	20 53	2 38	21 50	1 21	15 32	1 7	18 45	0 57	21 56	1 8	19 42	0 7	13 26	1 49	24 50	13 25	21 12	21 7	10 50	19 0	4 32
T 4	22 27	9 59	2 47	21 8	2 24	21 36	1 22	15 19	1 7	18 47	0 57	21 57	1 8	19 41	0 7	13 26	1 49	24 50	13 26	21 11	21 7	10 53	19 0	4 32
W 5	22 19	4 44	3 40	21 24	2 10	21 21	1 23	15 6	1 6	18 49	0 57	21 58	1 8	19 41	0 7	13 26	1 49	24 51	13 26	21 11	21 8	10 55	19 0	4 32
T 6	22 11	0s36	4 23	21 39	1 55	21 5	1 24	14 54	1 6	18 51	0 57	21 58	1 8	19 41	0 7	13 27	1 49	24 51	13 26	21 11	21 8	10 58	19 0	4 33
F 7	22 3	5 50	4 54	21 53	1 40	20 49	1 25	14 41	1 5	18 54	0 57	21 59	1 8	19 41	0 7	13 27	1 49	24 52	13 26	21 11	21 9	11 1	19 0	4 33
S 8	21 54	10 50	5 12	22 7	1 26	20 32	1 25	14 28	1 5	18 56	0 58	21 59	1 8	19 40	0 7	13 27	1 49	24 53	13 27	21 11	21 10	11 4	18 59	4 33
S 9	21 45	15 26	5 17	22 20	1 11	20 14	1 26	14 15	1 4	18 58	0 58	22 0	1 8	19 40	0 7	13 27	1 49	24 53	13 27	21 11	21 10	11 6	18 59	4 33
M10	21 36	19 28	5 8	22 32	0 57	19 56	1 27	14 2	1 4	19 0	0 58	22 1	1 8	19 40	0 7	13 28	1 49	24 54	13 27	21 11	21 11	11 9	18 59	4 33
T 11	21 26	22 45	4 45	22 43	0 43	19 37	1 27	13 48	1 4	19 2	0 58	22 1	1 8	19 40	0 7	13 28	1 49	24 54	13 27	21 11	21 11	11 12	18 59	4 34
W12	21 16	25 3	4 9	22 52	0 29	19 18	1 28	13 35	1 3	19 4	0 58	22 2	1 8	19 39	0 7	13 28	1 49	24 55	13 28	21 11	21 12	11 15	18 59	4 34
T 13	21 5	26 10	3 20	23 0	0 16	18 58	1 28	13 22	1 3	19 6	0 59	22 2	1 8	19 39	0 7	13 28	1 49	24 55	13 28	21 11	21 13	11 17	18 59	4 34
F 14	20 54	25 54	2 20	23 5	0 3	18 38	1 29	13 8	1 2	19 8	0 59	22 3	1 8	19 39	0 7	13 28	1 50	24 56	13 28	21 11	21 13	11 20	18 58	4 34
S 15	20 43	24 10	1 11	23 9	0n10	18 17	1 29	12 55	1 2	19 10	0 59	22 3	1 8	19 39	0 7	13 29	1 50	24 56	13 28	21 11	21 14	11 23	18 58	4 35
S 16	20 31	21 2	0n 3	23 10	0 21	17 56	1 29	12 41	1 1	19 13	0 59	22 4	1 8	19 39	0 7	13 29	1 50	24 57	13 28	21 11	21 14	11 26	18 58	4 35
M17	20 19	16 38	1 19	23 9	0 33	17 34	1 29	12 27	1 1	19 15	0 59	22 4	1 8	19 39	0 7	13 29	1 50	24 58	13 29	21 11	21 15	11 28	18 58	4 35
T 18	20 7	11 16	2 31	23 5	0 43	17 12	1 29	12 13	1 0	19 17	0 59	22 5	1 8	19 38	0 7	13 29	1 50	24 58	13 29	21 11	21 15	11 31	18 58	4 36
W19	19 54	5 15	3 35	22 58	0 53	16 49	1 30	11 59	1 0	19 19	1 0	22 5	1 8	19 38	0 7	13 29	1 50	24 59	13 29	21 11	21 16	11 34	18 57	4 36
T 20	19 41	1n 4	4 26	22 49	1 2	16 26	1 30	11 45	0 59	19 21	1 0	22 6	1 8	19 38	0 7	13 30	1 50	24 59	13 29	21 11	21 17	11 36	18 57	4 36
F 21	19 28	7 20	5 0	22 37	1 10	16 2	1 29	11 31	0 59	19 23	1 0	22 6	1 8	19 38	0 7	13 30	1 50	25 0	13 29	21 11	21 17	11 39	18 57	4 36
S 22	19 15	13 11	5 16	22 23	1 17	15 38	1 29	11 17	0 58	19 26	1 0	22 7	1 8	19 38	0 7	13 30	1 50	25 1	13 30	21 12	21 18	11 42	18 57	4 37
S 23	19 1	18 18	5 11	22 6	1 24	15 13	1 29	11 3	0 58	19 28	1 0	22 7	1 8	19 38	0 7	13 30	1 50	25 1	13 30	21 12	21 18	11 44	18 56	4 37
M24	18 46	22 20	4 48	21 46	1 29	14 48	1 29	10 48	0 58	19 30	1 0	22 7	1 8	19 38	0 7	13 30	1 50	25 2	13 30	21 12	21 19	11 47	18 56	4 37
T 25	18 32	25 2	4 9	21 23	1 34	14 23	1 28	10 34	0 57	19 32	1 0	22 8	1 8	19 38	0 7	13 30	1 50	25 2	13 30	21 11	21 19	11 50	18 56	4 38
W26	18 17	26 11	3 15	20 59	1 38	13 57	1 28	10 19	0 57	19 34	1 0	22 8	1 8	19 38	0 7	13 30	1 50	25 3	13 30	21 11	21 20	11 53	18 56	4 38
T 27	18 2	25 45	2 12	20 32	1 41	13 31	1 27	10 5	0 56	19 36	1 1	22 9	1 8	19 38	0 7	13 30	1 50	25 3	13 30	21 11	21 21	11 55	18 55	4 38
F 28	17 46	23 50	1 2	20 3	1 44	13 5	1 27	9 50	0 56	19 38	1 1	22 9	1 8	19 38	0 7	13 30	1 50	25 4	13 30	21 11	21 21	11 58	18 55	4 39
S 29	17 30	20 40	0s10	19 32	1 45	12 38	1 26	9 35	0 55	19 40	1 1	22 9	1 8	19 38	0 7	13 30	1 50	25 4	13 31	21 11	21 22	12 1	18 55	4 39
S 30	17 14	16 32	1 20	19 0	1 46	12 11	1 26	9 21	0 55	19 42	1 1	22 10	1 8	19 38	0 7	13 30	1 50	25 5	13 31	21 11	21 22	12 3	18 54	4 39
M31	16n58	11n44	2s25	18n26	1n46	11n43	1n25	9n 6	0n54	19s45	1s 1	22n10	1s 8	19s38	0n 7	13n30	1s51	25s 6	13s31	21s11	21s23	12s 6	18n54	4s40

Julian Day Number = 2108404.5, Delta T = 20m01s
Ecliptic obliquity = 23°33'43, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°38'39, Lahiri = 10°45'39 Julian Calendar 1 July 1060 == Greg. Calendar 7 July 1060

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1060
geocentric

AUGUST 1060 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 2 8	14♌ 5'01	5♍ 8	15♌54	4♍22	9♍35	6°R19	21♊51	27♏40	11♉11	27°R18	25°R15	24♑10	18♎50	29♊36	T 1
W 2	21 6 4	15° 2'51	17°23	17°52	5°35	10°13	6♒11	21°57	27°40	11°11	27♒17	25♑12	24° 7	18°57	29°41	W 2
T 3	21 10 1	16° 0'42	29°27	19°48	6°49	10°52	6° 3	22° 3	27°40	11°11	27°15	25° 9	24° 4	19° 3	29°45	T 3
F 4	21 13 58	16°58'35	11♎24	21°44	8° 3	11°30	5°56	22° 8	27°40	11°11	27°14	25° 6	24° 1	19°10	29°50	F 4
S 5	21 17 54	17°56'28	23°17	23°38	9°16	12° 8	5°48	22°14	27°40	11°12	27°13	25° 3	23°57	19°17	29°54	S 5
S 6	21 21 51	18°54'24	5♏10	25°30	10°30	12°47	5°41	22°19	27°41	11°12	27°12	25° 1	23°54	19°24	29°59	S 6
M 7	21 25 47	19°52'20	17° 6	27°22	11°44	13°26	5°33	22°25	27°41	11°12	27°10	25°D 1	23°51	19°30	0♋ 3	M 7
T 8	21 29 44	20°50'18	29°11	29°12	12°57	14° 4	5°26	22°30	27°41	11°12	27° 9	25° 1	23°48	19°37	0° 8	T 8
W 9	21 33 40	21°48'18	11♐29	1♍ 1	14°11	14°43	5°19	22°35	27°42	11°R12	27° 8	25° 2	23°45	19°44	0°12	W 9
T 10	21 37 37	22°46'18	24° 5	2°48	15°25	15°22	5°12	22°41	27°42	11°12	27° 7	25° 4	23°42	19°50	0°16	T 10
F 11	21 41 33	23°44'21	7♑ 2	4°35	16°38	16° 0	5° 5	22°46	27°43	11°12	27° 5	25° 5	23°38	19°57	0°21	F 11
S 12	21 45 30	24°42'24	20°23	6°20	17°52	16°39	4°58	22°51	27°43	11°12	27° 4	25°R 6	23°35	20° 4	0°25	S 12
S 13	21 49 27	25°40'30	4♒ 9	8° 3	19° 5	17°18	4°51	22°56	27°44	11°11	27° 3	25° 6	23°32	20°11	0°29	S 13
M14	21 53 23	26°38'36	18°19	9°46	20°19	17°57	4°44	23° 1	27°45	11°11	27° 2	25° 4	23°29	20°17	0°33	M14
T 15	21 57 20	27°36'45	2♓49	11°27	21°33	18°36	4°37	23° 5	27°45	11°11	27° 0	25° 1	23°26	20°24	0°37	T 15
W16	22 1 16	28°34'55	17°32	13° 7	22°46	19°14	4°31	23°10	27°46	11°11	26°59	24°57	23°23	20°31	0°41	W16
T 17	22 5 13	29°33'07	2♈22	14°46	24° 0	19°53	4°24	23°15	27°47	11°11	26°58	24°52	23°19	20°37	0°45	T 17
F 18	22 9 9	0♍31'21	17°11	16°24	25°13	20°32	4°18	23°19	27°48	11°10	26°57	24°47	23°16	20°44	0°49	F 18
S 19	22 13 6	1°29'37	1♉50	18° 0	26°27	21°11	4°12	23°24	27°49	11°10	26°55	24°43	23°13	20°51	0°52	S 19
S 20	22 17 2	2°27'56	16°15	19°36	27°40	21°51	4° 6	23°28	27°50	11°10	26°54	24°40	23°10	20°58	0°56	S 20
M21	22 20 59	3°26'16	0♊22	21°10	28°54	22°30	4° 0	23°32	27°51	11° 9	26°53	24°D39	23° 7	21° 4	1° 0	M21
T 22	22 24 56	4°24'39	14°10	22°43	0♎ 7	23° 9	3°54	23°37	27°52	11° 9	26°51	24°39	23° 3	21°11	1° 3	T 22
W23	22 28 52	5°23'04	27°40	24°15	1°21	23°48	3°49	23°41	27°53	11° 8	26°50	24°40	23° 0	21°18	1° 7	W23
T 24	22 32 49	6°21'32	10♋53	25°46	2°34	24°27	3°43	23°45	27°54	11° 8	26°49	24°42	22°57	21°25	1°10	T 24
F 25	22 36 45	7°20'01	23°50	27°16	3°48	25° 7	3°38	23°49	27°55	11° 7	26°48	24°R42	22°54	21°31	1°14	F 25
S 26	22 40 42	8°18'32	6♌35	28°45	5° 1	25°46	3°33	23°53	27°57	11° 7	26°47	24°42	22°51	21°38	1°17	S 26
S 27	22 44 38	9°17'06	19° 8	0♎12	6°14	26°26	3°28	23°56	27°58	11° 6	26°45	24°39	22°48	21°45	1°20	S 27
M28	22 48 35	10°15'41	1♍31	1°38	7°28	27° 5	3°23	24° 0	27°59	11° 6	26°44	24°34	22°44	21°51	1°23	M28
T 29	22 52 31	11°14'19	13°45	3° 4	8°41	27°45	3°18	24° 4	28° 1	11° 5	26°43	24°27	22°41	21°58	1°26	T 29
W30	22 56 28	12°12'58	25°51	4°28	9°55	28°24	3°13	24° 7	28° 2	11° 4	26°42	24°19	22°38	22° 5	1°30	W30
T 31	23 0 24	13♍11'40	7♎51	5♎50	11♎ 8	29♍ 4	3♒ 9	24♊11	28♏ 4	11♉ 4	26♒40	24♑ 9	22♑35	22♎12	1♋33	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	16n41	6n33	3s22	17n50	1n46	11n16	1n24	8n51	0n54	19s47	1s 1	22n10	1s 8	19s38	0n 7	13n30	1s51	25s 6	13s31	21s12	21s23	12s 9	18n54	4s40	T 1
W 2	16 24	1 12	4 9	17 13	1 45	10 48	1 23	8 36	0 53	19 49	1 1	22 11	1 8	19 38	0 7	13 30	1 51	25 7	13 31	21 12	21 24	12 11	18 53	4 40	W 2
T 3	16 7	4s 6	4 43	16 35	1 43	10 19	1 22	8 21	0 53	19 51	1 1	22 11	1 8	19 38	0 7	13 30	1 51	25 7	13 31	21 13	21 24	12 14	18 53	4 41	T 3
F 4	15 50	9 12	5 5	15 56	1 41	9 51	1 21	8 6	0 52	19 53	1 1	22 11	1 8	19 38	0 7	13 30	1 51	25 8	13 31	21 13	21 25	12 17	18 53	4 41	F 4
S 5	15 32	13 56	5 14	15 16	1 38	9 22	1 20	7 50	0 52	19 55	1 1	22 12	1 8	19 38	0 7	13 30	1 51	25 8	13 31	21 14	21 26	12 19	18 52	4 41	S 5
S 6	15 14	18 9	5 9	14 35	1 35	8 53	1 19	7 35	0 51	19 56	1 2	22 12	1 8	19 38	0 7	13 30	1 51	25 9	13 31	21 14	21 26	12 22	18 52	4 42	S 6
M 7	14 56	21 40	4 51	13 53	1 32	8 24	1 17	7 20	0 51	19 58	1 2	22 12	1 8	19 38	0 7	13 30	1 51	25 9	13 32	21 14	21 27	12 25	18 52	4 42	M 7
T 8	14 37	24 18	4 20	13 11	1 28	7 54	1 16	7 4	0 50	20 0	1 2	22 13	1 8	19 38	0 7	13 30	1 51	25 10	13 32	21 14	21 27	12 27	18 51	4 43	T 8
W 9	14 19	25 51	3 37	12 28	1 23	7 24	1 15	6 49	0 50	20 2	1 2	22 13	1 8	19 38	0 7	13 30	1 51	25 10	13 32	21 14	21 28	12 30	18 51	4 43	W 9
T 10	14 0	26 7	2 42	11 45	1 19	6 54	1 13	6 33	0 49	20 4	1 2	22 13	1 8	19 38	0 7	13 30	1 51	25 11	13 32	21 14	21 28	12 33	18 50	4 43	T 10
F 11	13 41	25 0	1 37	11 1	1 13	6 24	1 12	6 18	0 49	20 6	1 2	22 13	1 8	19 38	0 7	13 30	1 51	25 11	13 32	21 14	21 29	12 35	18 50	4 44	F 11
S 12	13 21	22 26	0 26	10 17	1 8	5 54	1 10	6 2	0 48	20 7	1 2	22 14	1 8	19 39	0 7	13 30	1 51	25 12	13 32	21 13	21 29	12 38	18 50	4 44	S 12
S 13	13 2	18 31	0n49	9 33	1 2	5 23	1 9	5 47	0 48	20 9	1 2	22 14	1 8	19 39	0 7	13 30	1 51	25 12	13 32	21 13	21 30	12 40	18 49	4 45	S 13
M14	12 42	13 28	2 3	8 49	0 56	4 53	1 7	5 31	0 47	20 11	1 2	22 14	1 9	19 39	0 7	13 30	1 51	25 13	13 32	21 14	21 31	12 43	18 49	4 45	M14
T 15	12 22	7 33	3 11	8 5	0 50	4 22	1 5	5 15	0 47	20 12	1 2	22 14	1 9	19 39	0 7	13 30	1 51	25 13	13 32	21 14	21 31	12 46	18 48	4 45	T 15
W16	12 2	1 9	4 7	7 20	0 44	3 51	1 3	4 59	0 46	20 14	1 2	22 15	1 9	19 39	0 7	13 30	1 52	25 14	13 32	21 15	21 32	12 48	18 48	4 46	W16
T 17	11 41	5n20	4 47	6 36	0 37	3 20	1 1	4 44	0 46	20 16	1 2	22 15	1 9	19 40	0 7	13 29	1 52	25 14	13 32	21 16	21 32	12 51	18 47	4 46	T 17
F 18	11 21	11 31	5 8	5 51	0 30	2 49	0 59	4 28	0 45	20 17	1 2	22 15	1 9	19 40	0 7	13 29	1 52	25 15	13 32	21 17	21 33	12 53	18 47	4 47	F 18
S 19	11 0	16 59	5 8	5 7	0 23	2 18	0 57	4 12	0 45	20 19	1 2	22 15	1 9	19 40	0 7	13 29	1 52	25 15	13 32	21 18	21 33	12 56	18 47	4 47	S 19
S 20	10 39	21 23	4 49	4 23	0 16	1 47	0 55	3 56	0 44	20 20	1 2	22 15	1 9	19 40	0 7	13 29	1 52	25 16	13 32	21 18	21 34	12 59	18 46	4 47	S 20
M21	10 18	24 27	4 13	3 39	0 9	1 15	0 53	3 40	0 44	20 21	1 2	22 16	1 9	19 40	0 7	13 29	1 52	25 16	13 32	21 18	21 34	13 1	18 46	4 48	M21
T 22	9 57	25 58	3 22	2 55	0 1	0 44	0 51	3 24	0 43	20 23	1 2	22 16	1 9	19 41	0 7	13 29	1 52	25 17	13 32	21 18	21 35	13 4	18 45	4 48	T 22
W23	9 35	25 54	2 21	2 12	0s 6	0 13	0 49	3 8	0 43	20 24	1 2	22 16	1 9	19 41	0 7	13 28	1 52	25 17	13 32	21 18	21 35	13 6	18 45	4 49	W23
T 24	9 13	24 21	1 14	1 28	0 14	0s19	0 47	2 52	0 42	20 25	1 2	22 16	1 9	19 41	0 7	13 28	1 52	25 17	13 32	21 18	21 36	13 9	18 44	4 49	T 24
F 25	8 52	21 31	0 5	0 46	0 22	0 50	0 44	2 35	0 42	20 27	1 2	22 16	1 9	19 42	0 7	13 28	1 52	25 18	13 32	21 18	21 36	13 12	18 44	4 50	F 25
S 26	8 30	17 42	1s 4	0 3	0 30	1 22	0 42	2 19	0 41	20 28	1 2	22 16	1 9	19 42	0 7	13 28	1 52	25 18	13 32	21 18	21 37	13 14	18 43	4 50	S 26
S 27	8 8	13 8	2 8	0s39	0 37	1 53	0 40	2 3	0 41	20 29	1 2	22 17	1 9	19 42	0 7	13 28	1 52	25 19	13 32	21 18	21 37	13 17	18 43	4 51	S 27
M28	7 46	8 6	3 5	1 21	0 45	2 25	0 37	1 47	0 40	20 30	1 2	22 17	1 9	19 42	0 7	13 27	1 52	25 19	13 32	21 19	21 38	13 19	18 42	4 51	M28
T 29	7 23	2 50	3 53	2 2	0 53	2 56	0 35	1 31	0 40	20 31	1 2	22 17	1 9	19 43	0 7	13 27	1 52	25 20	13 32	21 20	21 39	13 22	18 42	4 52	T 29
W30	7 1	2s28	4 30	2 43	1 1	3 27	0 32	1 14	0 39	20 32	1 2	22 17	1 9	19 43	0 7	13 27	1 52	25 20	13 32	21 22	21 39	13 24	18 41	4 52	W30
T 31	6n38	7s37	4s54	3s23	1s 9	3s59	0n29	0n58	0n39	20s33	1s 2	22n17	1s 9	19s44	0n 6	13n27	1s52	25s20	13s32	21s24	21s40	13s27	18n41	4s53	T 31

Julian Day Number = 2108435.5, Delta T = 20m00s
Ecliptic obliquity = 23°33'44, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°38'43, Lahiri = 10°45'43 Julian Calendar 1 Aug. 1060 == Greg. Calendar 7 Aug. 1060

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1060
geocentric

SEPTEMBER 1060 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 4 21	14♍10'23	19♎45	7♎12	12♎21	29♍43	3°R 5	24♊14	28♏ 5	11°R 3	26°R39	24°R 0	22♑32	22♎18	1♋35	F 1
S 2	23 8 18	15° 9'08	1♏36	8°32	13°35	0♎23	3♒ 1	24°17	28° 7	11♉ 2	26♒38	23♑51	22°29	22°25	1°38	S 2
S 3	23 12 14	16° 7'55	13°27	9°51	14°48	1° 3	2°57	24°20	28° 9	11° 1	26°37	23°44	22°25	22°32	1°41	S 3
M 4	23 16 11	17° 6'44	25°21	11° 9	16° 1	1°43	2°53	24°23	28°10	11° 0	26°36	23°39	22°22	22°39	1°44	M 4
T 5	23 20 7	18° 5'34	7♐23	12°25	17°15	2°22	2°50	24°26	28°12	11° 0	26°35	23°37	22°19	22°45	1°46	T 5
W 6	23 24 4	19° 4'27	19°37	13°39	18°28	3° 2	2°47	24°29	28°14	10°59	26°33	23°D36	22°16	22°52	1°49	W 6
T 7	23 28 0	20° 3'21	2♑ 8	14°52	19°41	3°42	2°44	24°32	28°16	10°58	26°32	23°37	22°13	22°59	1°51	T 7
F 8	23 31 57	21° 2'17	15° 1	16° 3	20°54	4°22	2°41	24°34	28°18	10°57	26°31	23°38	22° 9	23° 5	1°54	F 8
S 9	23 35 53	22° 1'15	28°20	17°13	22° 8	5° 2	2°38	24°37	28°20	10°56	26°30	23°R38	22° 6	23°12	1°56	S 9
S 10	23 39 50	23° 0'15	12♒ 8	18°20	23°21	5°42	2°35	24°39	28°22	10°55	26°29	23°36	22° 3	23°19	1°58	S 10
M11	23 43 47	23°59'16	26°24	19°26	24°34	6°22	2°33	24°41	28°24	10°54	26°28	23°33	22° 0	23°26	2° 0	M11
T 12	23 47 43	24°58'20	11♓ 6	20°29	25°47	7° 2	2°31	24°43	28°26	10°53	26°27	23°26	21°57	23°32	2° 2	T 12
W13	23 51 40	25°57'25	26° 7	21°30	27° 0	7°43	2°29	24°45	28°28	10°52	26°26	23°18	21°54	23°39	2° 4	W13
T 14	23 55 36	26°56'32	11♈19	22°28	28°13	8°23	2°27	24°47	28°30	10°51	26°25	23° 9	21°50	23°46	2° 6	T 14
F 15	23 59 33	27°55'42	26°31	23°24	29°26	9° 3	2°26	24°49	28°32	10°50	26°23	22°59	21°47	23°52	2° 8	F 15
S 16	0 3 29	28°54'54	11♉32	24°16	0♏39	9°43	2°24	24°51	28°35	10°48	26°22	22°51	21°44	23°59	2°10	S 16
S 17	0 7 26	29°54'08	26°13	25° 5	1°52	10°24	2°23	24°53	28°37	10°47	26°21	22°44	21°41	24° 6	2°12	S 17
M18	0 11 22	0♎53'25	10♊31	25°51	3° 5	11° 4	2°22	24°54	28°39	10°46	26°20	22°40	21°38	24°13	2°13	M18
T 19	0 15 19	1°52'44	24°23	26°32	4°18	11°45	2°21	24°56	28°41	10°45	26°19	22°39	21°34	24°19	2°15	T 19
W20	0 19 16	2°52'05	7♋50	27°10	5°31	12°25	2°21	24°57	28°44	10°44	26°18	22°D38	21°31	24°26	2°16	W20
T 21	0 23 12	3°51'29	20°54	27°42	6°44	13° 6	2°21	24°58	28°46	10°42	26°18	22°R39	21°28	24°33	2°18	T 21
F 22	0 27 9	4°50'55	3♌40	28° 9	7°57	13°46	2°D20	24°59	28°49	10°41	26°17	22°38	21°25	24°40	2°19	F 22
S 23	0 31 5	5°50'24	16°10	28°31	9°10	14°27	2°20	25° 0	28°51	10°40	26°16	22°36	21°22	24°46	2°20	S 23
S 24	0 35 2	6°49'54	28°29	28°46	10°23	15° 8	2°21	25° 1	28°54	10°38	26°15	22°31	21°19	24°53	2°21	S 24
M25	0 38 58	7°49'27	10♍39	28°54	11°36	15°49	2°21	25° 2	28°57	10°37	26°14	22°23	21°15	25° 0	2°22	M25
T 26	0 42 55	8°49'02	22°42	28°R56	12°49	16°29	2°22	25° 2	28°59	10°36	26°13	22°12	21°12	25° 6	2°23	T 26
W27	0 46 51	9°48'40	4♎41	28°49	14° 2	17°10	2°23	25° 3	29° 2	10°34	26°12	21°59	21° 9	25°13	2°24	W27
T 28	0 50 48	10°48'19	16°35	28°35	15°14	17°51	2°24	25° 3	29° 5	10°33	26°11	21°45	21° 6	25°20	2°25	T 28
F 29	0 54 44	11°48'00	28°27	28°12	16°27	18°32	2°25	25° 4	29° 7	10°31	26°10	21°31	21° 3	25°27	2°25	F 29
S 30	0 58 41	12♎47'44	10♏19	27♎40	17♏40	19♎13	2♒26	25♊ 4	29♏10	10♉30	26♒10	21♑17	21♑ 0	25♎33	2♋26	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6n16	12s28	5s 5	4s 3	1s17	4s30	0n27	0n42	0n38	20s34	1s 2	22n17	1s 9	19s44	0n 6	13n26	1s52	25s21	13s32	21s25	21s40	13s30	18n40	4s53
S 2	5 53	16 49	5 3	4 42	1 25	5 1	0 24	0 25	0 38	20 35	1 2	22 17	1 9	19 44	0 6	13 26	1 52	25 21	13 32	21 27	21 41	13 32	18 40	4 53
S 3	5 30	20 32	4 48	5 20	1 33	5 32	0 21	0 9	0 37	20 36	1 2	22 17	1 9	19 45	0 6	13 26	1 53	25 21	13 32	21 28	21 41	13 35	18 39	4 54
M 4	5 7	23 25	4 21	5 58	1 40	6 3	0 19	0s 8	0 37	20 37	1 2	22 17	1 9	19 45	0 6	13 25	1 53	25 22	13 31	21 29	21 42	13 37	18 39	4 54
T 5	4 44	25 18	3 42	6 35	1 48	6 34	0 16	0 24	0 36	20 38	1 2	22 18	1 9	19 45	0 6	13 25	1 53	25 22	13 31	21 29	21 42	13 40	18 38	4 55
W 6	4 21	26 0	2 52	7 11	1 56	7 4	0 13	0 40	0 35	20 38	1 2	22 18	1 9	19 46	0 6	13 25	1 53	25 22	13 31	21 29	21 43	13 42	18 38	4 55
T 7	3 57	25 25	1 52	7 47	2 3	7 35	0 10	0 57	0 35	20 39	1 2	22 18	1 9	19 46	0 6	13 24	1 53	25 23	13 31	21 29	21 43	13 45	18 37	4 56
F 8	3 34	23 28	0 46	8 21	2 10	8 5	0 7	1 13	0 34	20 40	1 1	22 18	1 9	19 47	0 6	13 24	1 53	25 23	13 31	21 29	21 44	13 47	18 36	4 56
S 9	3 11	20 11	0n25	8 54	2 17	8 35	0 4	1 30	0 34	20 40	1 1	22 18	1 9	19 47	0 6	13 24	1 53	25 23	13 31	21 29	21 44	13 50	18 36	4 57
S 10	2 47	15 41	1 37	9 27	2 24	9 5	0 2	1 46	0 33	20 41	1 1	22 18	1 9	19 48	0 6	13 23	1 53	25 24	13 31	21 29	21 45	13 52	18 35	4 57
M11	2 24	10 11	2 45	9 58	2 31	9 35	0s 1	2 2	0 33	20 41	1 1	22 18	1 9	19 48	0 6	13 23	1 53	25 24	13 31	21 30	21 45	13 55	18 35	4 58
T 12	2 0	3 59	3 45	10 28	2 38	10 5	0 4	2 19	0 32	20 42	1 1	22 18	1 9	19 49	0 6	13 23	1 53	25 24	13 31	21 31	21 46	13 57	18 34	4 59
W13	1 37	2n35	4 30	10 57	2 44	10 34	0 7	2 35	0 32	20 42	1 1	22 18	1 10	19 49	0 6	13 22	1 53	25 24	13 31	21 32	21 46	14 0	18 34	4 59
T 14	1 13	9 3	4 57	11 25	2 50	11 4	0 10	2 52	0 31	20 42	1 1	22 18	1 10	19 50	0 6	13 22	1 53	25 25	13 30	21 34	21 47	14 2	18 33	5 0
F 15	0 50	14 58	5 2	11 51	2 55	11 32	0 13	3 8	0 31	20 43	1 1	22 18	1 10	19 50	0 6	13 22	1 53	25 25	13 30	21 36	21 47	14 5	18 33	5 0
S 16	0 26	19 55	4 47	12 15	3 1	12 1	0 17	3 25	0 30	20 43	1 1	22 18	1 10	19 51	0 6	13 21	1 53	25 25	13 30	21 37	21 48	14 7	18 32	5 1
S 17	0 2	23 30	4 13	12 38	3 5	12 30	0 20	3 41	0 30	20 43	1 1	22 18	1 10	19 51	0 6	13 21	1 53	25 25	13 30	21 38	21 48	14 10	18 32	5 1
M18	0s21	25 30	3 24	12 59	3 10	12 58	0 23	3 57	0 29	20 43	1 1	22 18	1 10	19 52	0 6	13 20	1 53	25 26	13 30	21 39	21 49	14 12	18 31	5 2
T 19	0 45	25 51	2 24	13 17	3 13	13 25	0 26	4 14	0 28	20 43	1 1	22 18	1 10	19 52	0 6	13 20	1 53	25 26	13 30	21 39	21 49	14 15	18 30	5 2
W20	1 9	24 37	1 18	13 34	3 17	13 53	0 29	4 30	0 28	20 43	1 1	22 18	1 10	19 53	0 6	13 19	1 53	25 26	13 30	21 39	21 50	14 17	18 30	5 3
T 21	1 32	22 5	0 9	13 48	3 19	14 20	0 32	4 47	0 27	20 43	1 1	22 18	1 10	19 53	0 6	13 19	1 53	25 26	13 29	21 39	21 50	14 20	18 29	5 3
F 22	1 56	18 29	0s58	14 0	3 21	14 47	0 35	5 3	0 27	20 43	1 0	22 18	1 10	19 54	0 6	13 19	1 53	25 26	13 29	21 39	21 51	14 22	18 29	5 4
S 23	2 20	14 8	2 1	14 8	3 22	15 14	0 38	5 19	0 26	20 43	1 0	22 18	1 10	19 54	0 6	13 18	1 53	25 27	13 29	21 39	21 51	14 25	18 28	5 4
S 24	2 44	9 17	2 58	14 13	3 21	15 40	0 41	5 36	0 26	20 43	1 0	22 18	1 10	19 55	0 6	13 18	1 53	25 27	13 29	21 40	21 52	14 27	18 28	5 5
M25	3 7	4 9	3 45	14 15	3 20	16 6	0 44	5 52	0 25	20 43	1 0	22 18	1 10	19 56	0 6	13 17	1 53	25 27	13 29	21 42	21 52	14 30	18 27	5 5
T 26	3 31	1s 6	4 22	14 14	3 18	16 31	0 47	6 8	0 25	20 43	1 0	22 18	1 10	19 56	0 6	13 17	1 54	25 27	13 28	21 43	21 53	14 32	18 27	5 6
W27	3 54	6 15	4 46	14 8	3 14	16 56	0 50	6 24	0 24	20 42	1 0	22 18	1 10	19 57	0 6	13 16	1 54	25 27	13 28	21 45	21 53	14 34	18 26	5 6
T 28	4 18	11 8	4 58	13 58	3 9	17 21	0 54	6 41	0 23	20 42	1 0	22 18	1 10	19 57	0 6	13 16	1 54	25 27	13 28	21 48	21 54	14 37	18 25	5 7
F 29	4 41	15 36	4 57	13 43	3 2	17 45	0 57	6 57	0 23	20 42	1 0	22 18	1 10	19 58	0 6	13 15	1 54	25 27	13 28	21 50	21 54	14 39	18 25	5 8
S 30	5s 5	19s28	4s44	13s24	2s53	18s 9	1s 0	7s13	0n22	20s41	1s 0	22n18	1s10	19s59	0n 6	13n15	1s54	25s28	13s28	21s52	21s55	14s42	18n24	5s 8

Julian Day Number = 2108466.5, Delta T = 20m00s
Ecliptic obliquity = 23°33'44, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°38'47, Lahiri = 10°45'48 Julian Calendar 1 Sept. 1060 == Greg. Calendar 7 Sept. 1060

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1060
geocentric

OCTOBER 1060 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 2 38	13♎47'29	22♏11	26°R59	18♏53	19♎54	2♒28	25°R 4	29♏13	10°R28	26°R 9	21°R 6	20♑56	25♎40	2♋26	S 1
M 2	1 6 34	14°47'16	4♐ 6	26♎10	20° 5	20°35	2°30	25♊ 4	29°16	10♉27	26♒ 8	20♑57	20°53	25°47	2°27	M 2
T 3	1 10 31	15°47'05	16° 8	25°13	21°18	21°16	2°32	25° 4	29°19	10°26	26° 7	20°52	20°50	25°54	2°27	T 3
W 4	1 14 27	16°46'56	28°20	24° 9	22°31	21°58	2°34	25° 4	29°22	10°24	26° 7	20°49	20°47	26° 0	2°27	W 4
T 5	1 18 24	17°46'49	10♑47	22°59	23°43	22°39	2°36	25° 3	29°24	10°22	26° 6	20°48	20°44	26° 7	2°27	T 5
F 6	1 22 20	18°46'43	23°33	21°44	24°56	23°20	2°39	25° 3	29°27	10°21	26° 5	20°48	20°40	26°14	2°R28	F 6
S 7	1 26 17	19°46'39	6♒45	20°28	26° 8	24° 1	2°42	25° 2	29°30	10°19	26° 5	20°47	20°37	26°20	2°28	S 7
S 8	1 30 13	20°46'36	20°24	19°12	27°21	24°43	2°45	25° 1	29°34	10°18	26° 4	20°45	20°34	26°27	2°27	S 8
M 9	1 34 10	21°46'35	4♓33	17°58	28°33	25°24	2°48	25° 1	29°37	10°16	26° 3	20°41	20°31	26°34	2°27	M 9
T 10	1 38 7	22°46'36	19°11	16°49	29°46	26° 6	2°52	25° 0	29°40	10°15	26° 3	20°34	20°28	26°41	2°27	T 10
W11	1 42 3	23°46'39	4♈13	15°46	0♗58	26°47	2°55	24°59	29°43	10°13	26° 2	20°24	20°25	26°47	2°27	W11
T 12	1 46 0	24°46'43	19°31	14°53	2°10	27°29	2°59	24°57	29°46	10°11	26° 2	20°13	20°21	26°54	2°26	T 12
F 13	1 49 56	25°46'49	4♉54	14°10	3°23	28°10	3° 3	24°56	29°49	10°10	26° 1	20° 2	20°18	27° 1	2°26	F 13
S 14	1 53 53	26°46'58	20° 9	13°37	4°35	28°52	3° 7	24°55	29°52	10° 8	26° 1	19°51	20°15	27° 7	2°25	S 14
S 15	1 57 49	27°47'08	5♊ 6	13°16	5°47	29°34	3°11	24°53	29°56	10° 7	26° 0	19°43	20°12	27°14	2°24	S 15
M16	2 1 46	28°47'20	19°38	13°D 7	6°59	0♏16	3°16	24°52	29°59	10° 5	26° 0	19°38	20° 9	27°21	2°23	M16
T 17	2 5 42	29°47'35	3♋41	13°10	8°11	0°57	3°21	24°50	0♐ 2	10° 3	25°59	19°35	20° 6	27°28	2°22	T 17
W18	2 9 39	0♏47'52	17°15	13°23	9°24	1°39	3°25	24°48	0° 5	10° 2	25°59	19°D35	20° 2	27°34	2°22	W18
T 19	2 13 36	1°48'10	0♌22	13°46	10°36	2°21	3°30	24°46	0° 9	10° 0	25°58	19°R35	19°59	27°41	2°20	T 19
F 20	2 17 32	2°48'31	13° 6	14°19	11°48	3° 3	3°36	24°44	0°12	9°58	25°58	19°34	19°56	27°48	2°19	F 20
S 21	2 21 29	3°48'53	25°32	15° 0	13° 0	3°45	3°41	24°42	0°15	9°57	25°58	19°32	19°53	27°55	2°18	S 21
S 22	2 25 25	4°49'18	7♍44	15°49	14°12	4°27	3°47	24°40	0°19	9°55	25°57	19°28	19°50	28° 1	2°17	S 22
M23	2 29 22	5°49'44	19°47	16°44	15°23	5° 9	3°52	24°38	0°22	9°53	25°57	19°21	19°46	28° 8	2°15	M23
T 24	2 33 18	6°50'12	1♎43	17°45	16°35	5°52	3°58	24°35	0°26	9°51	25°57	19°10	19°43	28°15	2°14	T 24
W25	2 37 15	7°50'42	13°36	18°52	17°47	6°34	4° 4	24°33	0°29	9°50	25°57	18°58	19°40	28°21	2°12	W25
T 26	2 41 11	8°51'14	25°28	20° 3	18°59	7°16	4°11	24°30	0°33	9°48	25°56	18°45	19°37	28°28	2°11	T 26
F 27	2 45 8	9°51'48	7♏20	21°17	20°10	7°58	4°17	24°27	0°36	9°46	25°56	18°31	19°34	28°35	2° 9	F 27
S 28	2 49 5	10°52'23	19°14	22°35	21°22	8°41	4°24	24°25	0°40	9°45	25°56	18°18	19°31	28°42	2° 7	S 28
S 29	2 53 1	11°53'00	1♐11	23°56	22°33	9°23	4°30	24°22	0°43	9°43	25°56	18° 7	19°27	28°48	2° 5	S 29
M30	2 56 58	12°53'38	13°13	25°19	23°45	10° 6	4°37	24°19	0°47	9°41	25°56	17°59	19°24	28°55	2° 3	M30
T 31	3 0 54	13♏54'18	25♐21	26♎43	24♐56	10♏48	4♒44	24♊16	0♐50	9♉40	25♒56	17♑54	19♑21	29♎ 2	2♋ 1	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s28	22s33	4s17	12s59	2s43	18s32	1s 3	7s29	0n22	20s41	1s 0	22n18	1s10	19s59	0n 6	13n14	1s54	25s28	13s27	21s54	21s55	14s44	18n24	5s 9
M 2	5 51	24 40	3 40	12 30	2 31	18 55	1 6	7 45	0 21	20 40	1 0	22 18	1 10	20 0	0 6	13 14	1 54	25 28	13 27	21 55	21 56	14 47	18 23	5 9
T 3	6 15	25 41	2 52	11 56	2 17	19 17	1 9	8 1	0 21	20 40	1 0	22 18	1 10	20 0	0 6	13 13	1 54	25 28	13 27	21 56	21 56	14 49	18 23	5 10
W 4	6 38	25 29	1 56	11 18	2 1	19 39	1 12	8 17	0 20	20 39	0 59	22 18	1 10	20 1	0 6	13 13	1 54	25 28	13 27	21 56	21 57	14 51	18 22	5 10
T 5	7 1	24 0	0 53	10 35	1 44	20 0	1 15	8 33	0 19	20 38	0 59	22 18	1 10	20 2	0 6	13 12	1 54	25 28	13 27	21 57	21 57	14 54	18 22	5 11
F 6	7 24	21 15	0n15	9 50	1 25	20 21	1 18	8 49	0 19	20 38	0 59	22 18	1 10	20 2	0 6	13 12	1 54	25 28	13 26	21 57	21 58	14 56	18 21	5 11
S 7	7 46	17 20	1 23	9 3	1 6	20 41	1 20	9 5	0 18	20 37	0 59	22 18	1 10	20 3	0 6	13 11	1 54	25 28	13 26	21 57	21 58	14 59	18 21	5 12
S 8	8 9	12 24	2 29	8 15	0 45	21 1	1 23	9 21	0 18	20 36	0 59	22 18	1 10	20 4	0 6	13 11	1 54	25 28	13 26	21 57	21 59	15 1	18 20	5 12
M 9	8 32	6 39	3 29	7 27	0 24	21 20	1 26	9 36	0 17	20 35	0 59	22 18	1 10	20 4	0 6	13 10	1 54	25 28	13 26	21 58	21 59	15 4	18 19	5 13
T 10	8 54	0 22	4 17	6 42	0 4	21 39	1 29	9 52	0 17	20 34	0 59	22 18	1 10	20 5	0 6	13 10	1 54	25 28	13 25	21 59	22 0	15 6	18 19	5 13
W11	9 16	6n 5	4 48	5 59	0n16	21 57	1 32	10 8	0 16	20 34	0 59	22 17	1 11	20 6	0 6	13 9	1 54	25 28	13 25	22 0	22 0	15 8	18 18	5 14
T 12	9 39	12 18	5 0	5 21	0 35	22 15	1 34	10 23	0 15	20 33	0 59	22 17	1 11	20 6	0 6	13 9	1 54	25 28	13 25	22 2	22 1	15 11	18 18	5 15
F 13	10 1	17 46	4 50	4 48	0 53	22 32	1 37	10 39	0 15	20 32	0 59	22 17	1 11	20 7	0 6	13 8	1 54	25 28	13 25	22 4	22 1	15 13	18 17	5 15
S 14	10 23	22 2	4 20	4 21	1 9	22 48	1 40	10 54	0 14	20 31	0 58	22 17	1 11	20 8	0 6	13 8	1 54	25 28	13 24	22 5	22 2	15 15	18 17	5 16
S 15	10 44	24 44	3 32	3 59	1 23	23 4	1 42	11 10	0 14	20 29	0 58	22 17	1 11	20 9	0 6	13 7	1 54	25 28	13 24	22 6	22 2	15 18	18 16	5 16
M16	11 6	25 40	2 31	3 44	1 36	23 19	1 45	11 25	0 13	20 28	0 58	22 17	1 11	20 9	0 6	13 7	1 54	25 28	13 24	22 7	22 3	15 20	18 16	5 17
T 17	11 27	24 54	1 23	3 35	1 46	23 33	1 47	11 40	0 13	20 27	0 58	22 17	1 11	20 10	0 6	13 6	1 54	25 28	13 24	22 7	22 3	15 23	18 15	5 17
W18	11 49	22 39	0 12	3 32	1 55	23 47	1 50	11 55	0 12	20 26	0 58	22 17	1 11	20 11	0 6	13 6	1 54	25 27	13 23	22 8	22 3	15 25	18 15	5 18
T 19	12 10	19 15	0s57	3 34	2 3	24 0	1 52	12 10	0 11	20 25	0 58	22 17	1 11	20 11	0 6	13 5	1 54	25 27	13 23	22 8	22 4	15 27	18 14	5 18
F 20	12 31	15 2	2 1	3 42	2 8	24 12	1 54	12 25	0 11	20 23	0 58	22 17	1 11	20 12	0 6	13 5	1 54	25 27	13 23	22 8	22 4	15 30	18 14	5 19
S 21	12 51	10 17	2 58	3 54	2 13	24 24	1 57	12 40	0 10	20 22	0 58	22 17	1 11	20 13	0 6	13 4	1 54	25 27	13 23	22 8	22 5	15 32	18 13	5 19
S 22	13 12	5 13	3 46	4 10	2 15	24 35	1 59	12 55	0 10	20 20	0 58	22 17	1 11	20 14	0 6	13 4	1 54	25 27	13 22	22 8	22 5	15 34	18 13	5 20
M23	13 32	0 3	4 22	4 30	2 17	24 46	2 1	13 10	0 9	20 19	0 58	22 16	1 11	20 14	0 6	13 3	1 54	25 27	13 22	22 10	22 6	15 37	18 12	5 20
T 24	13 52	5s 4	4 47	4 53	2 18	24 55	2 3	13 25	0 8	20 18	0 58	22 16	1 11	20 15	0 6	13 2	1 54	25 27	13 22	22 11	22 6	15 39	18 12	5 21
W25	14 12	9 59	5 0	5 19	2 17	25 4	2 5	13 39	0 8	20 16	0 57	22 16	1 11	20 16	0 6	13 2	1 54	25 26	13 21	22 13	22 7	15 41	18 11	5 21
T 26	14 31	14 32	4 59	5 47	2 16	25 13	2 7	13 54	0 7	20 14	0 57	22 16	1 11	20 17	0 6	13 1	1 54	25 26	13 21	22 15	22 7	15 44	18 11	5 22
F 27	14 51	18 31	4 45	6 17	2 13	25 20	2 9	14 8	0 7	20 13	0 57	22 16	1 11	20 17	0 6	13 1	1 54	25 26	13 21	22 17	22 8	15 46	18 10	5 22
S 28	15 10	21 46	4 19	6 49	2 10	25 27	2 11	14 22	0 6	20 11	0 57	22 16	1 11	20 18	0 6	13 0	1 54	25 26	13 21	22 18	22 8	15 48	18 10	5 23
S 29	15 29	24 6	3 41	7 22	2 7	25 33	2 12	14 37	0 5	20 9	0 57	22 16	1 11	20 19	0 6	13 0	1 54	25 26	13 20	22 20	22 9	15 50	18 10	5 23
M30	15 47	25 22	2 53	7 56	2 3	25 39	2 14	14 51	0 5	20 8	0 57	22 16	1 11	20 19	0 6	12 59	1 54	25 25	13 20	22 21	22 9	15 53	18 9	5 24
T 31	16s 6	25s26	1s57	8s31	1n58	25s43	2s15	15s 5	0n 4	20s 6	0s57	22n16	1s11	20s20	0n 6	12n59	1s54	25s25	13s20	22s22	22s 9	15s55	18n 9	5s24

Julian Day Number = 2108496.5, Delta T = 20m00s
Ecliptic obliquity = 23°33'43, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°38'51, Lahiri = 10°45'52 Julian Calendar 1 Oct. 1060 == Greg. Calendar 7 Oct. 1060

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1060
geocentric

NOVEMBER 1060 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 4 51	14♏54'59	7♑38	28♎10	26♐ 8	11♏31	4♒52	24°R12	0♐54	9°R38	25°R55	17°R51	19♑18	29♎ 8	1°R59	W 1
T 2	3 8 47	15°55'41	20° 8	29°38	27°19	12°13	4°59	24♊ 9	0°57	9♉36	25♒55	17°D51	19°15	29°15	1♋57	T 2
F 3	3 12 44	16°56'24	2♒55	1♏ 7	28°30	12°56	5° 7	24° 6	1° 1	9°35	25°D55	17♑51	19°11	29°22	1°55	F 3
S 4	3 16 40	17°57'08	16° 1	2°37	29°41	13°39	5°14	24° 2	1° 4	9°33	25°55	17°R52	19° 8	29°29	1°52	S 4
S 5	3 20 37	18°57'54	29°31	4° 7	0♑52	14°21	5°22	23°59	1° 8	9°31	25°55	17°51	19° 5	29°35	1°50	S 5
M 6	3 24 34	19°58'40	13♓27	5°39	2° 3	15° 4	5°30	23°55	1°12	9°30	25°55	17°49	19° 2	29°42	1°47	M 6
T 7	3 28 30	20°59'27	27°50	7°10	3°14	15°47	5°38	23°51	1°15	9°28	25°56	17°44	18°59	29°49	1°45	T 7
W 8	3 32 27	22° 0'16	12♈37	8°42	4°25	16°30	5°47	23°48	1°19	9°26	25°56	17°37	18°56	29°56	1°42	W 8
T 9	3 36 23	23° 1'05	27°42	10°15	5°36	17°13	5°55	23°44	1°23	9°25	25°56	17°29	18°52	0♏ 2	1°40	T 9
F 10	3 40 20	24° 1'56	12♉55	11°48	6°47	17°56	6° 4	23°40	1°26	9°23	25°56	17°20	18°49	0° 9	1°37	F 10
S 11	3 44 16	25° 2'48	28° 8	13°20	7°57	18°39	6°12	23°36	1°30	9°21	25°56	17°12	18°46	0°16	1°34	S 11
S 12	3 48 13	26° 3'41	13♊ 8	14°54	9° 7	19°22	6°21	23°32	1°34	9°20	25°56	17° 6	18°43	0°22	1°31	S 12
M13	3 52 9	27° 4'35	27°47	16°27	10°18	20° 5	6°30	23°28	1°37	9°18	25°57	17° 2	18°40	0°29	1°28	M13
T 14	3 56 6	28° 5'30	11♋59	18° 0	11°28	20°48	6°39	23°23	1°41	9°16	25°57	17°D 1	18°37	0°36	1°25	T 14
W15	4 0 3	29° 6'27	25°43	19°33	12°38	21°32	6°49	23°19	1°45	9°15	25°57	17° 1	18°33	0°43	1°22	W15
T 16	4 3 59	0♐ 7'25	8♌58	21° 7	13°48	22°15	6°58	23°15	1°48	9°13	25°57	17° 2	18°30	0°49	1°19	T 16
F 17	4 7 56	1° 8'24	21°49	22°40	14°58	22°58	7° 7	23°11	1°52	9°12	25°58	17° 3	18°27	0°56	1°16	F 17
S 18	4 11 52	2° 9'24	4♍18	24°14	16° 8	23°42	7°17	23° 6	1°56	9°10	25°58	17°R 4	18°24	1° 3	1°13	S 18
S 19	4 15 49	3°10'26	16°31	25°47	17°18	24°25	7°27	23° 2	1°59	9° 9	25°59	17° 2	18°21	1° 9	1° 9	S 19
M20	4 19 45	4°11'28	28°32	27°21	18°27	25° 9	7°37	22°57	2° 3	9° 7	25°59	16°59	18°17	1°16	1° 6	M20
T 21	4 23 42	5°12'32	10♎27	28°55	19°37	25°52	7°47	22°52	2° 7	9° 6	25°59	16°54	18°14	1°23	1° 3	T 21
W22	4 27 38	6°13'37	22°18	0♐29	20°46	26°36	7°57	22°48	2°10	9° 4	26° 0	16°48	18°11	1°30	0°59	W22
T 23	4 31 35	7°14'43	4♏ 9	2° 2	21°55	27°19	8° 7	22°43	2°14	9° 3	26° 0	16°40	18° 8	1°36	0°56	T 23
F 24	4 35 32	8°15'49	16° 3	3°36	23° 4	28° 3	8°17	22°38	2°18	9° 1	26° 1	16°32	18° 5	1°43	0°52	F 24
S 25	4 39 28	9°16'57	28° 2	5°10	24°13	28°47	8°28	22°34	2°21	9° 0	26° 1	16°25	18° 2	1°50	0°48	S 25
S 26	4 43 25	10°18'05	10♐ 8	6°44	25°22	29°30	8°39	22°29	2°25	8°59	26° 2	16°19	17°58	1°57	0°45	S 26
M27	4 47 21	11°19'14	22°21	8°19	26°30	0♐14	8°49	22°24	2°29	8°57	26° 3	16°14	17°55	2° 3	0°41	M27
T 28	4 51 18	12°20'24	4♑42	9°53	27°39	0°58	9° 0	22°19	2°32	8°56	26° 3	16°12	17°52	2°10	0°38	T 28
W29	4 55 14	13°21'34	17°14	11°28	28°47	1°42	9°11	22°14	2°36	8°54	26° 4	16°D11	17°49	2°17	0°34	W29
T 30	4 59 11	14♐22'44	29♑58	13♐ 2	29♑55	2♐26	9♒22	22♊ 9	2♐39	8♉53	26♒ 4	16♑12	17♑46	2♏23	0♋30	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16s24	24s14	0s54	9s 7	1n53	25s47	2s17	15s18	0n 4	20s 4	0s57	22n15	1s11	20s21	0n 6	12n58	1s54	25s25	13s20	22s22	22s10	15s57	18n 8	5s25
T 2	16 41	21 50	0n12	9 43	1 48	25 50	2 18	15 32	0 3	20 2	0 57	22 15	1 11	20 22	0 6	12 58	1 54	25 25	13 19	22 22	22 10	16 0	18 8	5 25
F 3	16 59	18 19	1 20	10 20	1 42	25 53	2 20	15 46	0 2	20 0	0 57	22 15	1 11	20 22	0 6	12 57	1 54	25 25	13 19	22 22	22 11	16 2	18 7	5 26
S 4	17 16	13 49	2 25	10 56	1 36	25 54	2 21	15 59	0 2	19 58	0 57	22 15	1 11	20 23	0 6	12 57	1 54	25 24	13 19	22 22	22 11	16 4	18 7	5 26
S 5	17 33	8 31	3 24	11 33	1 30	25 55	2 22	16 13	0 1	19 56	0 56	22 15	1 11	20 24	0 6	12 56	1 54	25 24	13 18	22 22	22 12	16 6	18 6	5 26
M 6	17 50	2 39	4 13	12 10	1 23	25 56	2 23	16 26	0 0	19 54	0 56	22 15	1 11	20 25	0 6	12 56	1 54	25 24	13 18	22 22	22 12	16 9	18 6	5 27
T 7	18 6	3n31	4 47	12 46	1 17	25 55	2 24	16 39	0s 0	19 52	0 56	22 15	1 11	20 25	0 6	12 55	1 54	25 23	13 18	22 23	22 13	16 11	18 6	5 27
W 8	18 22	9 40	5 4	13 22	1 10	25 54	2 25	16 52	0 1	19 50	0 56	22 14	1 11	20 26	0 6	12 55	1 54	25 23	13 18	22 24	22 13	16 13	18 5	5 28
T 9	18 37	15 22	5 1	13 58	1 3	25 52	2 25	17 5	0 1	19 48	0 56	22 14	1 11	20 27	0 6	12 54	1 54	25 23	13 17	22 25	22 14	16 16	18 5	5 28
F 10	18 53	20 10	4 36	14 33	0 56	25 49	2 26	17 18	0 2	19 46	0 56	22 14	1 11	20 28	0 6	12 54	1 54	25 22	13 17	22 26	22 14	16 18	18 4	5 29
S 11	19 8	23 36	3 52	15 8	0 49	25 46	2 26	17 30	0 3	19 43	0 56	22 14	1 11	20 28	0 6	12 53	1 54	25 22	13 17	22 27	22 14	16 20	18 4	5 29
S 12	19 22	25 20	2 52	15 43	0 42	25 41	2 27	17 43	0 3	19 41	0 56	22 14	1 11	20 29	0 6	12 53	1 54	25 22	13 16	22 28	22 15	16 22	18 4	5 29
M13	19 36	25 14	1 42	16 16	0 36	25 36	2 27	17 55	0 4	19 39	0 56	22 14	1 10	20 30	0 6	12 52	1 54	25 21	13 16	22 28	22 15	16 25	18 3	5 30
T 14	19 50	23 28	0 27	16 50	0 29	25 31	2 27	18 7	0 4	19 36	0 56	22 13	1 10	20 31	0 6	12 52	1 54	25 21	13 16	22 28	22 16	16 27	18 3	5 30
W15	20 4	20 21	0s47	17 22	0 22	25 24	2 28	18 19	0 5	19 34	0 56	22 13	1 10	20 31	0 6	12 51	1 54	25 21	13 15	22 28	22 16	16 29	18 3	5 31
T 16	20 17	16 15	1 56	17 54	0 15	25 17	2 28	18 31	0 6	19 31	0 56	22 13	1 10	20 32	0 6	12 51	1 54	25 20	13 15	22 28	22 17	16 31	18 2	5 31
F 17	20 30	11 31	2 57	18 25	0 8	25 9	2 27	18 43	0 6	19 29	0 56	22 13	1 10	20 33	0 6	12 50	1 54	25 20	13 15	22 28	22 17	16 33	18 2	5 31
S 18	20 42	6 27	3 47	18 55	0 1	25 1	2 27	18 54	0 7	19 26	0 55	22 13	1 10	20 34	0 6	12 50	1 54	25 19	13 15	22 28	22 17	16 36	18 2	5 32
S 19	20 54	1 15	4 27	19 24	0s 6	24 52	2 27	19 6	0 8	19 24	0 55	22 12	1 10	20 34	0 6	12 49	1 54	25 19	13 14	22 28	22 18	16 38	18 1	5 32
M20	21 6	3s54	4 53	19 53	0 13	24 42	2 26	19 17	0 8	19 21	0 55	22 12	1 10	20 35	0 6	12 49	1 54	25 19	13 14	22 29	22 18	16 40	18 1	5 32
T 21	21 17	8 51	5 7	20 20	0 19	24 31	2 26	19 28	0 9	19 18	0 55	22 12	1 10	20 36	0 6	12 48	1 54	25 18	13 14	22 29	22 19	16 42	18 1	5 33
W22	21 27	13 28	5 8	20 47	0 26	24 20	2 25	19 39	0 9	19 16	0 55	22 12	1 10	20 37	0 6	12 48	1 54	25 18	13 13	22 30	22 19	16 44	18 0	5 33
T 23	21 38	17 35	4 55	21 12	0 32	24 8	2 24	19 50	0 10	19 13	0 55	22 12	1 10	20 37	0 5	12 48	1 54	25 17	13 13	22 31	22 20	16 47	18 0	5 33
F 24	21 48	21 1	4 29	21 37	0 39	23 56	2 23	20 0	0 11	19 10	0 55	22 12	1 10	20 38	0 5	12 47	1 53	25 17	13 13	22 32	22 20	16 49	18 0	5 34
S 25	21 57	23 35	3 52	22 0	0 45	23 43	2 22	20 10	0 11	19 7	0 55	22 11	1 10	20 39	0 5	12 47	1 53	25 17	13 13	22 33	22 20	16 51	17 59	5 34
S 26	22 6	25 7	3 4	22 23	0 51	23 29	2 21	20 21	0 12	19 5	0 55	22 11	1 10	20 40	0 5	12 46	1 53	25 16	13 12	22 34	22 21	16 53	17 59	5 34
M27	22 15	25 26	2 6	22 44	0 57	23 15	2 20	20 31	0 13	19 2	0 55	22 11	1 10	20 40	0 5	12 46	1 53	25 16	13 12	22 34	22 21	16 55	17 59	5 35
T 28	22 23	24 31	1 2	23 5	1 3	23 0	2 18	20 40	0 13	18 59	0 55	22 11	1 10	20 41	0 5	12 45	1 53	25 15	13 12	22 34	22 22	16 58	17 59	5 35
W29	22 31	22 21	0n 6	23 24	1 8	22 44	2 17	20 50	0 14	18 56	0 55	22 11	1 10	20 42	0 5	12 45	1 53	25 15	13 12	22 34	22 22	17 0	17 58	5 35
T 30	22s39	19s 3	1n15	23s42	1s14	22s28	2s15	20s59	0s15	18s53	0s55	22n10	1s 9	20s43	0n 5	12n45	1s53	25s14	13s11	22s34	22s23	17s 2	17n58	5s35

Julian Day Number = 2108527.5, Delta T = 19m59s
Ecliptic obliquity = 23°33'43, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°38'55, Lahiri = 10°45'56 Julian Calendar 1 Nov. 1060 == Greg. Calendar 7 Nov. 1060

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1060
geocentric

DECEMBER 1060 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 3 8	15♐23'54	12♒55	14♐37	1♒ 3	3♐10	9♒33	22°R 5	2♐43	8°R52	26♒ 5	16♑14	17♑43	2♏30	0°R26	F 1
S 2	5 7 4	16°25'05	26° 7	16°12	2°11	3°54	9°44	22♊ 0	2°47	8♉51	26° 6	16°15	17°39	2°37	0♋22	S 2
S 3	5 11 1	17°26'16	9♓37	17°47	3°18	4°38	9°56	21°55	2°50	8°49	26° 7	16°17	17°36	2°44	0°18	S 3
M 4	5 14 57	18°27'26	23°26	19°23	4°26	5°22	10° 7	21°50	2°54	8°48	26° 7	16°R17	17°33	2°50	0°15	M 4
T 5	5 18 54	19°28'37	7♈34	20°59	5°33	6° 6	10°19	21°45	2°57	8°47	26° 8	16°15	17°30	2°57	0°11	T 5
W 6	5 22 50	20°29'48	22° 0	22°35	6°40	6°51	10°30	21°40	3° 1	8°46	26° 9	16°13	17°27	3° 4	0° 7	W 6
T 7	5 26 47	21°30'59	6♉40	24°11	7°47	7°35	10°42	21°35	3° 4	8°45	26°10	16°10	17°23	3°10	0° 3	T 7
F 8	5 30 43	22°32'09	21°29	25°47	8°53	8°19	10°54	21°30	3° 8	8°43	26°11	16° 6	17°20	3°17	29♊59	F 8
S 9	5 34 40	23°33'20	6♊19	27°24	9°59	9° 4	11° 6	21°25	3°12	8°42	26°11	16° 3	17°17	3°24	29°55	S 9
S 10	5 38 37	24°34'31	21° 3	29° 1	11° 5	9°48	11°18	21°20	3°15	8°41	26°12	16° 1	17°14	3°31	29°51	S 10
M11	5 42 33	25°35'42	5♋33	0♑38	12°11	10°32	11°30	21°15	3°18	8°40	26°13	15°59	17°11	3°37	29°47	M11
T 12	5 46 30	26°36'53	19°43	2°16	13°17	11°17	11°42	21°10	3°22	8°39	26°14	15°D59	17° 8	3°44	29°43	T 12
W13	5 50 26	27°38'04	3♌30	3°54	14°22	12° 1	11°54	21° 5	3°25	8°38	26°15	16° 0	17° 4	3°51	29°39	W13
T 14	5 54 23	28°39'16	16°51	5°32	15°27	12°46	12° 6	21° 0	3°29	8°37	26°16	16° 1	17° 1	3°57	29°35	T 14
F 15	5 58 19	29°40'27	29°48	7°11	16°31	13°30	12°19	20°55	3°32	8°36	26°17	16° 3	16°58	4° 4	29°31	F 15
S 16	6 2 16	0♑41'39	12♍23	8°49	17°36	14°15	12°31	20°50	3°36	8°35	26°18	16° 4	16°55	4°11	29°27	S 16
S 17	6 6 12	1°42'50	24°41	10°28	18°40	15° 0	12°44	20°45	3°39	8°34	26°19	16° 5	16°52	4°18	29°23	S 17
M18	6 10 9	2°44'02	6♎45	12° 7	19°44	15°45	12°57	20°41	3°42	8°34	26°20	16°R 5	16°49	4°24	29°19	M18
T 19	6 14 6	3°45'13	18°41	13°46	20°47	16°29	13° 9	20°36	3°46	8°33	26°21	16° 4	16°45	4°31	29°15	T 19
W20	6 18 2	4°46'25	0♏33	15°26	21°50	17°14	13°22	20°31	3°49	8°32	26°22	16° 3	16°42	4°38	29°11	W20
T 21	6 21 59	5°47'37	12°24	17° 5	22°53	17°59	13°35	20°26	3°52	8°31	26°23	16° 2	16°39	4°44	29° 7	T 21
F 22	6 25 55	6°48'49	24°21	18°44	23°55	18°44	13°48	20°22	3°55	8°30	26°25	16° 0	16°36	4°51	29° 3	F 22
S 23	6 29 52	7°50'00	6♐24	20°23	24°57	19°29	14° 1	20°17	3°59	8°30	26°26	15°59	16°33	4°58	28°59	S 23
S 24	6 33 48	8°51'11	18°38	22° 1	25°59	20°14	14°14	20°12	4° 2	8°29	26°27	15°58	16°29	5° 5	28°55	S 24
M25	6 37 45	9°52'22	1♑ 4	23°39	27° 0	20°59	14°27	20° 8	4° 5	8°28	26°28	15°57	16°26	5°11	28°51	M25
T 26	6 41 42	10°53'33	13°43	25°17	28° 1	21°44	14°40	20° 3	4° 8	8°28	26°29	15°D57	16°23	5°18	28°47	T 26
W27	6 45 38	11°54'42	26°36	26°53	29° 2	22°29	14°53	19°59	4°11	8°27	26°31	15°57	16°20	5°25	28°43	W27
T 28	6 49 35	12°55'52	9♒42	28°28	0♓ 2	23°14	15° 7	19°55	4°14	8°27	26°32	15°57	16°17	5°32	28°39	T 28
F 29	6 53 31	13°57'00	23° 2	0♒ 1	1° 1	23°59	15°20	19°50	4°17	8°26	26°33	15°58	16°14	5°38	28°35	F 29
S 30	6 57 28	14°58'08	6♓34	1°33	2° 0	24°45	15°33	19°46	4°20	8°26	26°34	15°58	16°10	5°45	28°31	S 30
S 31	7 1 24	15♑59'14	20♓18	3♒ 2	2♓59	25♐30	15♒47	19♊42	4♐23	8♉25	26♒36	15°R58	16♑ 7	5♏52	28♊27	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s45	14s46	2n21	23s59	1s19	22s11	2s13	21s 9	0s15	18s50	0s55	22n10	1s 9	20s43	0n 5	12n44	1s53	25s14	13s11	22s34	22s23	17s 4	17n58	5s36
S 2	22 52	9 43	3 21	24 14	1 24	21 54	2 11	21 18	0 16	18 47	0 55	22 10	1 9	20 44	0 5	12 44	1 53	25 13	13 11	22 34	22 23	17 6	17 58	5 36
S 3	22 58	4 7	4 12	24 28	1 29	21 36	2 9	21 27	0 16	18 44	0 55	22 10	1 9	20 45	0 5	12 44	1 53	25 13	13 10	22 34	22 24	17 8	17 57	5 36
M 4	23 3	1n48	4 49	24 41	1 33	21 18	2 7	21 35	0 17	18 40	0 55	22 9	1 9	20 45	0 5	12 43	1 53	25 12	13 10	22 34	22 24	17 10	17 57	5 36
T 5	23 9	7 46	5 10	24 53	1 38	20 59	2 4	21 44	0 18	18 37	0 55	22 9	1 9	20 46	0 5	12 43	1 53	25 12	13 10	22 34	22 25	17 13	17 57	5 37
W 6	23 13	13 26	5 12	25 3	1 42	20 40	2 2	21 52	0 18	18 34	0 54	22 9	1 9	20 47	0 5	12 43	1 53	25 11	13 10	22 34	22 25	17 15	17 57	5 37
T 7	23 17	18 26	4 54	25 12	1 46	20 20	1 59	22 0	0 19	18 31	0 54	22 9	1 9	20 47	0 5	12 42	1 53	25 11	13 9	22 35	22 25	17 17	17 57	5 37
F 8	23 21	22 21	4 16	25 19	1 49	20 0	1 56	22 8	0 20	18 28	0 54	22 9	1 9	20 48	0 5	12 42	1 53	25 10	13 9	22 35	22 26	17 19	17 57	5 37
S 9	23 24	24 47	3 21	25 25	1 53	19 39	1 53	22 15	0 20	18 24	0 54	22 8	1 9	20 49	0 5	12 42	1 53	25 9	13 9	22 35	22 26	17 21	17 56	5 37
S 10	23 27	25 28	2 13	25 29	1 56	19 18	1 50	22 23	0 21	18 21	0 54	22 8	1 9	20 50	0 5	12 41	1 53	25 9	13 9	22 36	22 27	17 23	17 56	5 38
M11	23 29	24 24	0 57	25 32	1 59	18 56	1 47	22 30	0 22	18 17	0 54	22 8	1 8	20 50	0 5	12 41	1 53	25 8	13 8	22 36	22 27	17 25	17 56	5 38
T 12	23 31	21 46	0s21	25 33	2 1	18 34	1 43	22 37	0 22	18 14	0 54	22 8	1 8	20 51	0 5	12 41	1 53	25 8	13 8	22 36	22 27	17 27	17 56	5 38
W13	23 32	17 56	1 35	25 33	2 3	18 12	1 40	22 43	0 23	18 11	0 54	22 8	1 8	20 52	0 5	12 41	1 53	25 7	13 8	22 36	22 28	17 29	17 56	5 38
T 14	23 33	13 17	2 42	25 31	2 5	17 49	1 36	22 50	0 23	18 7	0 54	22 7	1 8	20 52	0 5	12 40	1 53	25 7	13 8	22 36	22 28	17 32	17 56	5 38
F 15	23 34	8 11	3 39	25 28	2 6	17 26	1 32	22 56	0 24	18 4	0 54	22 7	1 8	20 53	0 5	12 40	1 53	25 6	13 8	22 36	22 29	17 34	17 55	5 38
S 16	23 34	2 53	4 23	25 23	2 7	17 2	1 28	23 2	0 25	18 0	0 54	22 7	1 8	20 54	0 5	12 40	1 52	25 6	13 7	22 35	22 29	17 36	17 55	5 38
S 17	23 33	2s23	4 55	25 16	2 7	16 39	1 24	23 8	0 25	17 56	0 54	22 7	1 8	20 54	0 5	12 40	1 52	25 5	13 7	22 35	22 29	17 38	17 55	5 38
M18	23 32	7 28	5 12	25 7	2 7	16 14	1 20	23 14	0 26	17 53	0 54	22 7	1 8	20 55	0 5	12 39	1 52	25 4	13 7	22 35	22 30	17 40	17 55	5 38
T 19	23 30	12 13	5 16	24 57	2 7	15 50	1 16	23 19	0 27	17 49	0 54	22 6	1 7	20 55	0 5	12 39	1 52	25 4	13 7	22 35	22 30	17 42	17 55	5 39
W20	23 29	16 30	5 6	24 45	2 6	15 25	1 11	23 24	0 27	17 45	0 54	22 6	1 7	20 56	0 5	12 39	1 52	25 3	13 6	22 35	22 31	17 44	17 55	5 39
T 21	23 26	20 8	4 44	24 31	2 4	15 0	1 6	23 29	0 28	17 42	0 54	22 6	1 7	20 57	0 5	12 39	1 52	25 3	13 6	22 36	22 31	17 46	17 55	5 39
F 22	23 23	22 58	4 8	24 16	2 2	14 35	1 1	23 33	0 29	17 38	0 54	22 6	1 7	20 57	0 5	12 39	1 52	25 2	13 6	22 36	22 31	17 48	17 55	5 39
S 23	23 20	24 48	3 22	23 59	2 0	14 9	0 56	23 38	0 29	17 34	0 54	22 6	1 7	20 58	0 5	12 38	1 52	25 1	13 6	22 36	22 32	17 50	17 55	5 39
S 24	23 16	25 30	2 26	23 40	1 57	13 43	0 51	23 42	0 30	17 30	0 54	22 5	1 7	20 59	0 5	12 38	1 52	25 1	13 6	22 36	22 32	17 52	17 55	5 39
M25	23 12	24 55	1 22	23 20	1 53	13 17	0 46	23 46	0 30	17 26	0 54	22 5	1 7	20 59	0 5	12 38	1 52	25 0	13 5	22 36	22 33	17 54	17 55	5 39
T 26	23 7	23 3	0 12	22 58	1 48	12 51	0 40	23 49	0 31	17 23	0 54	22 5	1 6	21 0	0 5	12 38	1 52	25 0	13 5	22 36	22 33	17 56	17 55	5 39
W27	23 1	19 59	0n59	22 34	1 43	12 25	0 35	23 52	0 32	17 19	0 54	22 5	1 6	21 0	0 5	12 38	1 52	24 59	13 5	22 36	22 33	17 58	17 55	5 39
T 28	22 56	15 51	2 8	22 9	1 37	11 58	0 29	23 56	0 32	17 15	0 54	22 5	1 6	21 1	0 5	12 38	1 52	24 58	13 5	22 36	22 34	18 0	17 55	5 39
F 29	22 50	10 54	3 12	21 42	1 30	11 32	0 23	23 58	0 33	17 11	0 54	22 4	1 6	21 1	0 5	12 38	1 52	24 58	13 5	22 36	22 34	18 2	17 55	5 39
S 30	22 43	5 21	4 5	21 15	1 22	11 5	0 17	24 1	0 34	17 7	0 54	22 4	1 6	21 2	0 5	12 37	1 52	24 57	13 4	22 36	22 35	18 4	17 55	5 39
S 31	22s36	0n31	4n46	20s46	1s13	10s38	0s11	24s 3	0s34	17s 3	0s54	22n 4	1s 6	21s 3	0n 5	12n37	1s52	24s56	13s 4	22s36	22s35	18s 6	17n55	5s39

Julian Day Number = 2108557.5, Delta T = 19m59s
Ecliptic obliquity = 23°33'42, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°39'00, Lahiri = 10°46'00 Julian Calendar 1 Dec. 1060 == Greg. Calendar 7 Dec. 1060

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1061
geocentric

JANUARY 1061 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 5 21	17♑ 0'20	4♈12	4♒28	3♓57	26♐15	16♒ 0	19°R38	4♐26	8°R25	26♒37	15°R58	16♑ 4	5♏58	28°R24	M 1
T 2	7 9 17	18° 1'24	18°17	5°51	4°54	27° 0	16°14	19♊34	4°29	8♉25	26°38	15°D58	16° 1	6° 5	28♊20	T 2
W 3	7 13 14	19° 2'28	2♉29	7°10	5°51	27°46	16°28	19°30	4°32	8°24	26°40	15♑58	15°58	6°12	28°16	W 3
T 4	7 17 11	20° 3'30	16°47	8°24	6°48	28°31	16°41	19°26	4°35	8°24	26°41	15°58	15°55	6°19	28°12	T 4
F 5	7 21 7	21° 4'31	1♊ 8	9°33	7°43	29°17	16°55	19°22	4°38	8°24	26°42	15°59	15°51	6°25	28° 9	F 5
S 6	7 25 4	22° 5'32	15°28	10°35	8°38	0♑ 2	17° 9	19°18	4°41	8°23	26°44	15°59	15°48	6°32	28° 5	S 6
S 7	7 29 0	23° 6'31	29°43	11°31	9°33	0°47	17°22	19°14	4°43	8°23	26°45	16° 0	15°45	6°39	28° 2	S 7
M 8	7 32 57	24° 7'29	13♋49	12°18	10°27	1°33	17°36	19°11	4°46	8°23	26°46	16°R 0	15°42	6°45	27°58	M 8
T 9	7 36 53	25° 8'25	27°41	12°57	11°20	2°19	17°50	19° 7	4°49	8°23	26°48	16° 0	15°39	6°52	27°55	T 9
W10	7 40 50	26° 9'21	11♌16	13°27	12°12	3° 4	18° 4	19° 4	4°51	8°23	26°49	15°59	15°35	6°59	27°51	W10
T 11	7 44 46	27°10'16	24°33	13°46	13° 4	3°50	18°18	19° 0	4°54	8°23	26°51	15°58	15°32	7° 6	27°48	T 11
F 12	7 48 43	28°11'10	7♍29	13°R55	13°55	4°35	18°32	18°57	4°57	8°D23	26°52	15°56	15°29	7°12	27°45	F 12
S 13	7 52 40	29°12'03	20° 7	13°52	14°45	5°21	18°46	18°54	4°59	8°23	26°54	15°54	15°26	7°19	27°41	S 13
S 14	7 56 36	0♒12'54	2♎28	13°38	15°34	6° 7	19° 0	18°51	5° 2	8°23	26°55	15°52	15°23	7°26	27°38	S 14
M15	8 0 33	1°13'45	14°35	13°14	16°22	6°53	19°14	18°48	5° 4	8°23	26°57	15°51	15°20	7°32	27°35	M15
T 16	8 4 29	2°14'35	26°33	12°39	17°10	7°38	19°28	18°45	5° 6	8°23	26°58	15°50	15°16	7°39	27°32	T 16
W17	8 8 26	3°15'24	8♏25	11°54	17°56	8°24	19°42	18°42	5° 9	8°23	27° 0	15°D50	15°13	7°46	27°29	W17
T 18	8 12 22	4°16'12	20°17	11° 0	18°42	9°10	19°57	18°39	5°11	8°23	27° 1	15°51	15°10	7°53	27°26	T 18
F 19	8 16 19	5°16'59	2♐14	10° 0	19°26	9°56	20°11	18°37	5°13	8°24	27° 3	15°52	15° 7	7°59	27°23	F 19
S 20	8 20 15	6°17'45	14°20	8°54	20°10	10°42	20°25	18°34	5°16	8°24	27° 4	15°54	15° 4	8° 6	27°20	S 20
S 21	8 24 12	7°18'29	26°38	7°45	20°52	11°28	20°39	18°32	5°18	8°24	27° 6	15°55	15° 1	8°13	27°18	S 21
M22	8 28 9	8°19'13	9♑14	6°34	21°34	12°14	20°54	18°29	5°20	8°24	27° 7	15°56	14°57	8°19	27°15	M22
T 23	8 32 5	9°19'55	22° 7	5°24	22°14	13° 0	21° 8	18°27	5°22	8°25	27° 9	15°R56	14°54	8°26	27°12	T 23
W24	8 36 2	10°20'36	5♒20	4°16	22°52	13°46	21°22	18°25	5°24	8°25	27°11	15°55	14°51	8°33	27°10	W24
T 25	8 39 58	11°21'15	18°51	3°12	23°30	14°32	21°37	18°23	5°26	8°26	27°12	15°53	14°48	8°40	27° 7	T 25
F 26	8 43 55	12°21'53	2♓39	2°13	24° 6	15°18	21°51	18°21	5°28	8°26	27°14	15°49	14°45	8°46	27° 5	F 26
S 27	8 47 51	13°22'29	16°39	1°20	24°41	16° 4	22° 5	18°19	5°30	8°26	27°15	15°45	14°41	8°53	27° 3	S 27
S 28	8 51 48	14°23'03	0♈49	0°34	25°15	16°50	22°20	18°18	5°32	8°27	27°17	15°41	14°38	9° 0	27° 0	S 28
M29	8 55 44	15°23'35	15° 3	29♑55	25°47	17°36	22°34	18°16	5°34	8°28	27°18	15°37	14°35	9° 6	26°58	M29
T 30	8 59 41	16°24'06	29°18	29°23	26°17	18°22	22°49	18°14	5°35	8°28	27°20	15°34	14°32	9°13	26°56	T 30
W31	9 3 38	17♒24'34	13♉31	29♑ 0	26♓46	19♑ 9	23♒ 3	18♊13	5♐37	8♉29	27♒22	15°D33	14♑29	9♏20	26♊54	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s28	6n25	5n11	20s16	1s 4	10s11	0s 4	24s 5	0s35	16s59	0s54	22n 4	1s 5	21s 3	0n 5	12n37	1s52	24s56	13s 4	22s36	22s35	18s 8	17n55	5s39
T 2	22 20	12 5	5 17	19 46	0 53	9 44	0n 2	24 7	0 35	16 54	0 54	22 4	1 5	21 4	0 5	12 37	1 51	24 55	13 4	22 36	22 36	18 10	17 55	5 38
W 3	22 12	17 9	5 4	19 15	0 42	9 16	0 9	24 9	0 36	16 50	0 54	22 4	1 5	21 4	0 5	12 37	1 51	24 55	13 4	22 36	22 36	18 12	17 55	5 38
T 4	22 3	21 17	4 33	18 44	0 30	8 49	0 16	24 10	0 37	16 46	0 54	22 4	1 5	21 5	0 5	12 37	1 51	24 54	13 4	22 36	22 36	18 14	17 55	5 38
F 5	21 54	24 8	3 44	18 13	0 17	8 22	0 23	24 11	0 37	16 42	0 54	22 3	1 5	21 5	0 5	12 37	1 51	24 53	13 3	22 36	22 37	18 16	17 55	5 38
S 6	21 44	25 26	2 41	17 43	0 2	7 54	0 30	24 12	0 38	16 38	0 54	22 3	1 5	21 6	0 5	12 37	1 51	24 53	13 3	22 36	22 37	18 18	17 55	5 38
S 7	21 34	25 3	1 29	17 13	0n13	7 27	0 37	24 12	0 39	16 34	0 54	22 3	1 4	21 6	0 5	12 37	1 51	24 52	13 3	22 36	22 38	18 20	17 55	5 38
M 8	21 24	23 3	0 12	16 44	0 28	7 0	0 45	24 12	0 39	16 29	0 54	22 3	1 4	21 7	0 5	12 37	1 51	24 51	13 3	22 36	22 38	18 22	17 55	5 38
T 9	21 13	19 41	1s 4	16 18	0 45	6 32	0 53	24 12	0 40	16 25	0 54	22 3	1 4	21 7	0 5	12 37	1 51	24 51	13 3	22 36	22 38	18 24	17 55	5 38
W10	21 2	15 19	2 15	15 53	1 2	6 5	1 0	24 12	0 40	16 21	0 54	22 3	1 4	21 8	0 5	12 37	1 51	24 50	13 3	22 36	22 39	18 26	17 55	5 38
T 11	20 50	10 18	3 18	15 31	1 19	5 38	1 8	24 11	0 41	16 17	0 54	22 3	1 4	21 8	0 5	12 37	1 51	24 50	13 3	22 36	22 39	18 28	17 55	5 37
F 12	20 38	4 58	4 8	15 11	1 37	5 11	1 17	24 11	0 42	16 12	0 54	22 3	1 4	21 9	0 5	12 37	1 51	24 49	13 3	22 36	22 39	18 30	17 55	5 37
S 13	20 25	0s26	4 45	14 55	1 55	4 44	1 25	24 9	0 42	16 8	0 54	22 3	1 3	21 9	0 5	12 37	1 51	24 48	13 2	22 37	22 40	18 32	17 55	5 37
S 14	20 12	5 41	5 7	14 43	2 12	4 17	1 33	24 8	0 43	16 3	0 54	22 2	1 3	21 10	0 5	12 37	1 51	24 48	13 2	22 37	22 40	18 34	17 56	5 37
M15	19 59	10 37	5 16	14 34	2 29	3 50	1 42	24 6	0 44	15 59	0 54	22 2	1 3	21 10	0 5	12 38	1 51	24 47	13 2	22 37	22 41	18 36	17 56	5 37
T 16	19 46	15 6	5 10	14 28	2 44	3 24	1 51	24 4	0 44	15 55	0 54	22 2	1 3	21 11	0 5	12 38	1 51	24 46	13 2	22 37	22 41	18 38	17 56	5 37
W17	19 32	18 59	4 52	14 27	2 59	2 58	1 59	24 2	0 45	15 50	0 54	22 2	1 3	21 11	0 5	12 38	1 50	24 46	13 2	22 37	22 41	18 40	17 56	5 36
T 18	19 17	22 5	4 21	14 29	3 12	2 31	2 8	24 0	0 45	15 46	0 54	22 2	1 2	21 11	0 5	12 38	1 50	24 45	13 2	22 37	22 42	18 41	17 56	5 36
F 19	19 3	24 17	3 38	14 35	3 23	2 6	2 18	23 57	0 46	15 41	0 54	22 2	1 2	21 12	0 5	12 38	1 50	24 44	13 2	22 37	22 42	18 43	17 56	5 36
S 20	18 48	25 23	2 46	14 43	3 32	1 40	2 27	23 54	0 47	15 37	0 54	22 2	1 2	21 12	0 5	12 38	1 50	24 44	13 2	22 37	22 42	18 45	17 56	5 36
S 21	18 32	25 15	1 44	14 54	3 38	1 14	2 36	23 51	0 47	15 32	0 54	22 2	1 2	21 13	0 5	12 38	1 50	24 43	13 2	22 36	22 43	18 47	17 57	5 36
M22	18 17	23 51	0 37	15 8	3 43	0 49	2 46	23 47	0 48	15 28	0 54	22 2	1 2	21 13	0 5	12 38	1 50	24 43	13 2	22 36	22 43	18 49	17 57	5 35
T 23	18 1	21 11	0n34	15 23	3 44	0 25	2 56	23 43	0 48	15 23	0 54	22 2	1 2	21 13	0 5	12 39	1 50	24 42	13 2	22 36	22 43	18 51	17 57	5 35
W24	17 44	17 20	1 45	15 40	3 44	0 0	3 6	23 39	0 49	15 18	0 54	22 2	1 1	21 14	0 5	12 39	1 50	24 41	13 2	22 36	22 44	18 53	17 57	5 35
T 25	17 28	12 32	2 51	15 57	3 41	0n24	3 16	23 35	0 49	15 14	0 54	22 2	1 1	21 14	0 5	12 39	1 50	24 41	13 1	22 37	22 44	18 55	17 57	5 35
F 26	17 11	7 2	3 49	16 15	3 37	0 48	3 26	23 30	0 50	15 9	0 54	22 2	1 1	21 14	0 5	12 39	1 50	24 40	13 1	22 37	22 44	18 57	17 58	5 34
S 27	16 53	1 6	4 34	16 33	3 30	1 11	3 36	23 26	0 51	15 4	0 54	22 2	1 1	21 15	0 5	12 39	1 50	24 39	13 1	22 38	22 45	18 58	17 58	5 34
S 28	16 36	4n57	5 2	16 51	3 22	1 34	3 46	23 20	0 51	15 0	0 54	22 2	1 1	21 15	0 5	12 40	1 50	24 39	13 1	22 38	22 45	19 0	17 58	5 34
M29	16 18	10 45	5 13	17 8	3 13	1 56	3 57	23 15	0 52	14 55	0 54	22 2	1 0	21 15	0 5	12 40	1 50	24 38	13 1	22 39	22 46	19 2	17 58	5 33
T 30	16 0	16 0	5 4	17 25	3 2	2 18	4 8	23 9	0 52	14 50	0 54	22 2	1 0	21 16	0 5	12 40	1 50	24 38	13 1	22 39	22 46	19 4	17 58	5 33
W31	15s42	20n22	4n36	17s40	2n51	2n39	4n18	23s 4	0s53	14s46	0s55	22n 2	1s 0	21s16	0n 5	12n40	1s50	24s37	13s 1	22s39	22s46	19s 6	17n59	5s33

Julian Day Number = 2108588.5, Delta T = 19m59s
Ecliptic obliquity = 23°33'42, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°39'04, Lahiri = 10°46'04 Julian Calendar 1 Jan. 1061 == Greg. Calendar 7 Jan. 1061

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1061
geocentric

FEBRUARY 1061 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 7 34	18♒25'01	27♉39	28°R44	27♓13	19♋55	23♒17	18°R12	5♐39	8♉29	27♒23	15♋34	14♋26	9♏26	26°R52	T 1
F 2	9 11 31	19°25'26	11♊41	28♋35	27°38	20°41	23°32	18♊11	5°40	8°30	27°25	15°35	14°22	9°33	26♊50	F 2
S 3	9 15 27	20°25'49	25°36	28°D33	28° 2	21°27	23°46	18°10	5°42	8°31	27°27	15°36	14°19	9°40	26°48	S 3
S 4	9 19 24	21°26'09	9♌23	28°38	28°23	22°13	24° 1	18° 9	5°44	8°32	27°28	15°R37	14°16	9°47	26°47	S 4
M 5	9 23 20	22°26'28	23° 0	28°49	28°43	23° 0	24°15	18° 8	5°45	8°32	27°30	15°37	14°13	9°53	26°45	M 5
T 6	9 27 17	23°26'45	6♎26	29° 6	29° 1	23°46	24°30	18° 7	5°47	8°33	27°31	15°36	14°10	10° 0	26°43	T 6
W 7	9 31 13	24°27'00	19°40	29°29	29°16	24°32	24°44	18° 7	5°48	8°34	27°33	15°32	14° 7	10° 7	26°42	W 7
T 8	9 35 10	25°27'13	2♏41	29°57	29°30	25°19	24°59	18° 6	5°49	8°35	27°35	15°26	14° 3	10°13	26°41	T 8
F 9	9 39 7	26°27'24	15°28	0♒29	29°41	26° 5	25°13	18° 6	5°51	8°36	27°36	15°19	14° 0	10°20	26°39	F 9
S 10	9 43 3	27°27'33	28° 0	1° 6	29°50	26°51	25°28	18° 6	5°52	8°37	27°38	15°11	13°57	10°27	26°38	S 10
S 11	9 47 0	28°27'41	10♐18	1°48	29°57	27°38	25°42	18° 5	5°53	8°38	27°40	15° 3	13°54	10°34	26°37	S 11
M12	9 50 56	29°27'47	22°25	2°33	0♈ 2	28°24	25°57	18°D 5	5°54	8°39	27°41	14°56	13°51	10°40	26°36	M12
T 13	9 54 53	0♓27'51	4♏22	3°21	0°R 4	29°11	26°11	18° 5	5°55	8°40	27°43	14°51	13°47	10°47	26°35	T 13
W14	9 58 49	1°27'54	16°14	4°13	0° 3	29°57	26°25	18° 6	5°56	8°41	27°44	14°48	13°44	10°54	26°34	W14
T 15	10 2 46	2°27'55	28° 5	5° 8	0° 1	0♒44	26°40	18° 6	5°57	8°42	27°46	14°D46	13°41	11° 0	26°33	T 15
F 16	10 6 42	3°27'54	10♐ 1	6° 7	29♓55	1°30	26°54	18° 6	5°58	8°43	27°48	14°46	13°38	11° 7	26°33	F 16
S 17	10 10 39	4°27'52	22° 5	7° 7	29°47	2°17	27° 9	18° 7	5°59	8°44	27°49	14°47	13°35	11°14	26°32	S 17
S 18	10 14 36	5°27'48	4♋24	8°10	29°37	3° 3	27°23	18° 8	6° 0	8°46	27°51	14°48	13°32	11°21	26°31	S 18
M19	10 18 32	6°27'42	17° 2	9°16	29°24	3°50	27°37	18° 8	6° 1	8°47	27°53	14°R49	13°28	11°27	26°31	M19
T 20	10 22 29	7°27'34	0♒ 2	10°24	29° 9	4°36	27°52	18° 9	6° 1	8°48	27°54	14°48	13°25	11°34	26°31	T 20
W21	10 26 25	8°27'25	13°27	11°34	28°51	5°23	28° 6	18°10	6° 2	8°49	27°56	14°44	13°22	11°41	26°30	W21
T 22	10 30 22	9°27'14	27°17	12°46	28°31	6° 9	28°21	18°11	6° 3	8°51	27°57	14°38	13°19	11°47	26°30	T 22
F 23	10 34 18	10°27'00	11♓28	14° 0	28° 9	6°56	28°35	18°13	6° 3	8°52	27°59	14°31	13°16	11°54	26°D30	F 23
S 24	10 38 15	11°26'45	25°57	15°16	27°44	7°42	28°49	18°14	6° 4	8°53	28° 1	14°22	13°13	12° 1	26°30	S 24
S 25	10 42 11	12°26'27	10♈35	16°34	27°18	8°29	29° 3	18°15	6° 4	8°55	28° 2	14°12	13° 9	12° 7	26°30	S 25
M26	10 46 8	13°26'08	25°17	17°53	26°49	9°15	29°18	18°17	6° 4	8°56	28° 4	14° 4	13° 6	12°14	26°30	M26
T 27	10 50 4	14°25'46	9♉53	19°14	26°18	10° 2	29°32	18°18	6° 5	8°58	28° 5	13°57	13° 3	12°21	26°31	T 27
W28	10 54 1	15♓25'22	24♉20	20♒37	25♓46	10♒49	29♒46	18♊20	6♐ 5	8♉59	28♒ 7	13♋53	13♋ 0	12♏28	26♊31	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s23	23n30	3n52	17s55	2n39	3n 0	4n29	22s57	0s53	14s41	0s55	22n 3	1s 0	21s16	0n 5	12n41	1s49	24s36	13s 1	22s39	22s47	19s 8	17n59	5s33
F 2	15 4	25 11	2 55	18 9	2 27	3 20	4 40	22 51	0 54	14 36	0 55	22 3	1 0	21 17	0 5	12 41	1 49	24 36	13 1	22 39	22 47	19 9	17 59	5 32
S 3	14 45	25 16	1 47	18 22	2 14	3 39	4 51	22 44	0 55	14 31	0 55	22 3	0 59	21 17	0 5	12 41	1 49	24 35	13 1	22 39	22 47	19 11	18 0	5 32
S 4	14 26	23 48	0 34	18 33	2 2	3 58	5 2	22 37	0 55	14 27	0 55	22 3	0 59	21 17	0 5	12 42	1 49	24 35	13 1	22 38	22 48	19 13	18 0	5 32
M 5	14 6	20 56	0s40	18 44	1 49	4 16	5 13	22 30	0 56	14 22	0 55	22 3	0 59	21 18	0 5	12 42	1 49	24 34	13 1	22 38	22 48	19 15	18 0	5 31
T 6	13 46	16 58	1 51	18 53	1 36	4 33	5 24	22 23	0 56	14 17	0 55	22 3	0 59	21 18	0 5	12 42	1 49	24 34	13 1	22 39	22 48	19 17	18 0	5 31
W 7	13 26	12 14	2 54	19 0	1 23	4 49	5 35	22 15	0 57	14 12	0 55	22 3	0 59	21 18	0 5	12 43	1 49	24 33	13 1	22 39	22 49	19 18	18 1	5 31
T 8	13 6	7 2	3 47	19 7	1 11	5 5	5 46	22 7	0 57	14 7	0 55	22 3	0 58	21 18	0 5	12 43	1 49	24 32	13 1	22 40	22 49	19 20	18 1	5 30
F 9	12 46	1 38	4 28	19 12	0 58	5 19	5 56	21 59	0 58	14 3	0 55	22 4	0 58	21 19	0 5	12 43	1 49	24 32	13 1	22 41	22 49	19 22	18 1	5 30
S 10	12 25	3s42	4 55	19 16	0 46	5 33	6 7	21 51	0 58	13 58	0 55	22 4	0 58	21 19	0 5	12 44	1 49	24 31	13 1	22 42	22 50	19 24	18 2	5 30
S 11	12 4	8 48	5 7	19 18	0 34	5 45	6 18	21 42	0 59	13 53	0 55	22 4	0 58	21 19	0 5	12 44	1 49	24 31	13 1	22 42	22 50	19 26	18 2	5 29
M12	11 43	13 29	5 6	19 19	0 23	5 57	6 29	21 33	0 59	13 48	0 55	22 4	0 58	21 19	0 5	12 44	1 49	24 30	13 1	22 43	22 50	19 27	18 2	5 29
T 13	11 22	17 36	4 51	19 19	0 12	6 7	6 39	21 24	1 0	13 43	0 55	22 4	0 57	21 19	0 5	12 45	1 49	24 30	13 1	22 44	22 51	19 29	18 3	5 29
W14	11 1	20 59	4 24	19 17	0 1	6 17	6 49	21 15	1 0	13 38	0 55	22 5	0 57	21 20	0 5	12 45	1 49	24 29	13 1	22 44	22 51	19 31	18 3	5 28
T 15	10 39	23 29	3 45	19 14	0s10	6 25	7 0	21 5	1 1	13 33	0 55	22 5	0 57	21 20	0 5	12 46	1 49	24 29	13 2	22 44	22 51	19 33	18 3	5 28
F 16	10 17	24 58	2 56	19 10	0 20	6 31	7 9	20 56	1 1	13 29	0 55	22 5	0 57	21 20	0 5	12 46	1 49	24 28	13 2	22 44	22 52	19 34	18 4	5 28
S 17	9 55	25 19	1 59	19 4	0 29	6 37	7 19	20 46	1 2	13 24	0 56	22 5	0 57	21 20	0 5	12 46	1 49	24 27	13 2	22 44	22 52	19 36	18 4	5 27
S 18	9 33	24 25	0 56	18 56	0 39	6 41	7 28	20 35	1 2	13 19	0 56	22 6	0 56	21 20	0 5	12 47	1 48	24 27	13 2	22 44	22 52	19 38	18 4	5 27
M19	9 11	22 16	0n12	18 48	0 48	6 44	7 37	20 25	1 3	13 14	0 56	22 6	0 56	21 20	0 5	12 47	1 48	24 26	13 2	22 44	22 53	19 40	18 5	5 26
T 20	8 49	18 56	1 21	18 38	0 56	6 46	7 45	20 14	1 3	13 9	0 56	22 6	0 56	21 20	0 5	12 48	1 48	24 26	13 2	22 44	22 53	19 41	18 5	5 26
W21	8 26	14 31	2 27	18 26	1 4	6 46	7 53	20 3	1 4	13 4	0 56	22 6	0 56	21 21	0 5	12 48	1 48	24 25	13 2	22 45	22 53	19 43	18 5	5 26
T 22	8 4	9 14	3 27	18 13	1 12	6 44	8 0	19 52	1 4	12 59	0 56	22 7	0 56	21 21	0 5	12 49	1 48	24 25	13 2	22 45	22 54	19 45	18 6	5 25
F 23	7 41	3 21	4 16	17 59	1 20	6 41	8 6	19 41	1 5	12 54	0 56	22 7	0 55	21 21	0 5	12 49	1 48	24 24	13 2	22 46	22 54	19 47	18 6	5 25
S 24	7 18	2n48	4 49	17 43	1 27	6 37	8 12	19 29	1 5	12 49	0 56	22 7	0 55	21 21	0 5	12 50	1 48	24 24	13 2	22 47	22 54	19 48	18 6	5 25
S 25	6 56	8 52	5 4	17 26	1 33	6 31	8 18	19 18	1 6	12 44	0 56	22 8	0 55	21 21	0 5	12 50	1 48	24 23	13 2	22 48	22 54	19 50	18 7	5 24
M26	6 33	14 27	4 59	17 7	1 39	6 24	8 22	19 6	1 6	12 39	0 56	22 8	0 55	21 21	0 5	12 51	1 48	24 23	13 2	22 49	22 55	19 52	18 7	5 24
T 27	6 10	19 11	4 34	16 47	1 45	6 15	8 26	18 54	1 7	12 34	0 56	22 8	0 55	21 21	0 5	12 51	1 48	24 22	13 3	22 50	22 55	19 53	18 8	5 23
W28	5s46	22n42	3n52	16s26	1s50	6n 5	8n29	18s41	1s 7	12s30	0s57	22n 9	0s54	21s21	0n 5	12n52	1s48	24s22	13s 3	22s50	22s55	19s55	18n 8	5s23

Julian Day Number = 2108619.5, Delta T = 19m58s
Ecliptic obliquity = 23°33'42, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°39'08, Lahiri = 10°46'08 Julian Calendar 1 Feb. 1061 == Greg. Calendar 7 Feb. 1061

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1061
geocentric

MARCH 1061 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 57 58	16♓24'55	8♊33	22♒ 1	25°R13	11♒35	0♓ 0	18♊22	6♐ 5	9♉ 1	28♒ 9	13°R51	12♑57	12♏34	26♊32	T 1
F 2	11 1 54	17°24'26	22°30	23°27	24♓37	12°22	0°14	18°24	6° 6	9° 2	28°10	13°D51	12°53	12°41	26°32	F 2
S 3	11 5 51	18°23'55	6♋12	24°54	24° 1	13° 8	0°29	18°26	6° 6	9° 4	28°12	13♑52	12°50	12°48	26°33	S 3
S 4	11 9 47	19°23'21	19°40	26°23	23°24	13°55	0°43	18°28	6° 6	9° 5	28°13	13°R52	12°47	12°54	26°34	S 4
M 5	11 13 44	20°22'45	2♌55	27°53	22°47	14°42	0°57	18°31	6°R 6	9° 7	28°15	13°50	12°44	13° 1	26°34	M 5
T 6	11 17 40	21°22'07	15°58	29°24	22° 9	15°28	1°11	18°33	6° 6	9° 9	28°16	13°46	12°41	13° 8	26°35	T 6
W 7	11 21 37	22°21'26	28°50	0♓57	21°31	16°15	1°25	18°36	6° 6	9°10	28°18	13°39	12°38	13°15	26°36	W 7
T 8	11 25 33	23°20'43	11♍31	2°31	20°53	17° 1	1°39	18°38	6° 6	9°12	28°19	13°29	12°34	13°21	26°37	T 8
F 9	11 29 30	24°19'58	24° 2	4° 7	20°16	17°48	1°53	18°41	6° 5	9°14	28°21	13°18	12°31	13°28	26°38	F 9
S 10	11 33 27	25°19'11	6♎22	5°44	19°39	18°34	2° 7	18°44	6° 5	9°15	28°22	13° 5	12°28	13°35	26°40	S 10
S 11	11 37 23	26°18'21	18°33	7°23	19° 3	19°21	2°20	18°47	6° 5	9°17	28°24	12°52	12°25	13°41	26°41	S 11
M12	11 41 20	27°17'30	0♏35	9° 3	18°28	20° 8	2°34	18°50	6° 4	9°19	28°25	12°40	12°22	13°48	26°42	M12
T 13	11 45 16	28°16'37	12°30	10°44	17°55	20°54	2°48	18°53	6° 4	9°21	28°27	12°30	12°18	13°55	26°44	T 13
W14	11 49 13	29°15'42	24°21	12°27	17°23	21°41	3° 2	18°56	6° 4	9°22	28°28	12°22	12°15	14° 1	26°46	W14
T 15	11 53 9	0♈14'45	6♐10	14°11	16°53	22°27	3°15	18°59	6° 3	9°24	28°30	12°17	12°12	14° 8	26°47	T 15
F 16	11 57 6	1°13'46	18° 4	15°57	16°25	23°14	3°29	19° 3	6° 3	9°26	28°31	12°15	12° 9	14°15	26°49	F 16
S 17	12 1 2	2°12'46	0♑ 6	17°44	15°59	24° 0	3°43	19° 6	6° 2	9°28	28°32	12°D14	12° 6	14°22	26°51	S 17
S 18	12 4 59	3°11'44	12°23	19°32	15°35	24°47	3°56	19°10	6° 1	9°30	28°34	12°R14	12° 3	14°28	26°53	S 18
M19	12 8 56	4°10'40	24°58	21°22	15°14	25°33	4°10	19°13	6° 1	9°32	28°35	12°14	11°59	14°35	26°55	M19
T 20	12 12 52	5° 9'34	7♒58	23°14	14°54	26°20	4°23	19°17	6° 0	9°34	28°37	12°12	11°56	14°42	26°57	T 20
W21	12 16 49	6° 8'26	21°25	25° 7	14°37	27° 7	4°36	19°21	5°59	9°36	28°38	12° 8	11°53	14°48	26°59	W21
T 22	12 20 45	7° 7'17	5♓20	27° 1	14°23	27°53	4°50	19°25	5°58	9°38	28°39	12° 1	11°50	14°55	27° 1	T 22
F 23	12 24 42	8° 6'05	19°43	28°57	14°11	28°40	5° 3	19°29	5°57	9°39	28°41	11°51	11°47	15° 2	27° 4	F 23
S 24	12 28 38	9° 4'52	4♈29	0♈54	14° 1	29°26	5°16	19°33	5°57	9°41	28°42	11°40	11°44	15° 8	27° 6	S 24
S 25	12 32 35	10° 3'36	19°29	2°53	13°54	0♓13	5°29	19°37	5°56	9°43	28°43	11°29	11°40	15°15	27° 9	S 25
M26	12 36 31	11° 2'19	4♉34	4°53	13°49	0°59	5°43	19°42	5°54	9°45	28°45	11°18	11°37	15°22	27°11	M26
T 27	12 40 28	12° 0'59	19°34	6°55	13°46	1°45	5°56	19°46	5°53	9°48	28°46	11° 9	11°34	15°29	27°14	T 27
W28	12 44 25	12°59'38	4♊20	8°58	13°D46	2°32	6° 9	19°51	5°52	9°50	28°47	11° 4	11°31	15°35	27°17	W28
T 29	12 48 21	13°58'14	18°47	11° 2	13°49	3°18	6°22	19°55	5°51	9°52	28°48	11° 1	11°28	15°42	27°19	T 29
F 30	12 52 18	14°56'48	2♋52	13° 7	13°53	4° 5	6°34	20° 0	5°50	9°54	28°49	10°59	11°24	15°49	27°22	F 30
S 31	12 56 14	15♈55'20	16♋34	15♈13	14♓ 0	4♓51	6♓47	20♊ 5	5♐49	9♉56	28♒51	10♑59	11♑21	15♏55	27♊25	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s23	24n45	2n57	16s 3	1s55	5n54	8n31	18s29	1s 8	12s25	0s57	22n 9	0s54	21s21	0n 5	12n52	1s48	24s22	13s 3	22s50	22s56	19s57	18n 8	5s23
F 2	5 0	25 12	1 51	15 39	2 0	5 41	8 32	18 16	1 8	12 20	0 57	22 9	0 54	21 21	0 5	12 53	1 48	24 21	13 3	22 50	22 56	19 58	18 9	5 22
S 3	4 37	24 6	0 41	15 14	2 4	5 27	8 32	18 3	1 8	12 15	0 57	22 10	0 54	21 21	0 5	12 53	1 48	24 21	13 3	22 50	22 56	20 0	18 9	5 22
S 4	4 13	21 36	0s31	14 47	2 7	5 11	8 31	17 50	1 9	12 10	0 57	22 10	0 54	21 21	0 5	12 54	1 48	24 20	13 3	22 50	22 57	20 2	18 10	5 22
M 5	3 50	18 0	1 40	14 19	2 10	4 55	8 30	17 37	1 9	12 5	0 57	22 11	0 53	21 21	0 5	12 54	1 48	24 20	13 3	22 50	22 57	20 3	18 10	5 21
T 6	3 26	13 34	2 42	13 49	2 13	4 38	8 27	17 23	1 10	12 0	0 57	22 11	0 53	21 21	0 5	12 55	1 48	24 19	13 4	22 51	22 57	20 5	18 10	5 21
W 7	3 3	8 35	3 35	13 18	2 15	4 19	8 23	17 10	1 10	11 55	0 57	22 11	0 53	21 21	0 5	12 56	1 48	24 19	13 4	22 51	22 58	20 7	18 11	5 20
T 8	2 39	3 20	4 16	12 45	2 17	4 0	8 19	16 56	1 10	11 50	0 57	22 12	0 53	21 21	0 5	12 56	1 48	24 19	13 4	22 52	22 58	20 8	18 11	5 20
F 9	2 16	1s58	4 44	12 12	2 18	3 41	8 13	16 42	1 11	11 45	0 57	22 12	0 53	21 21	0 5	12 57	1 47	24 18	13 4	22 54	22 58	20 10	18 12	5 20
S 10	1 52	7 7	4 59	11 37	2 19	3 21	8 7	16 28	1 11	11 40	0 58	22 13	0 52	21 21	0 5	12 57	1 47	24 18	13 4	22 55	22 58	20 12	18 12	5 19
S 11	1 29	11 55	4 59	11 0	2 20	3 0	8 0	16 14	1 12	11 35	0 58	22 13	0 52	21 21	0 5	12 58	1 47	24 17	13 4	22 56	22 59	20 13	18 12	5 19
M12	1 5	16 12	4 47	10 22	2 19	2 39	7 52	15 59	1 12	11 31	0 58	22 13	0 52	21 21	0 5	12 58	1 47	24 17	13 5	22 57	22 59	20 15	18 13	5 19
T 13	0 41	19 49	4 21	9 43	2 19	2 18	7 43	15 45	1 12	11 26	0 58	22 14	0 52	21 21	0 5	12 59	1 47	24 17	13 5	22 58	22 59	20 16	18 13	5 18
W14	0 18	22 35	3 45	9 3	2 18	1 57	7 34	15 30	1 13	11 21	0 58	22 14	0 52	21 21	0 5	13 0	1 47	24 16	13 5	22 59	23 0	20 18	18 14	5 18
T 15	0n 6	24 23	2 59	8 21	2 16	1 37	7 24	15 15	1 13	11 16	0 58	22 15	0 51	21 21	0 5	13 0	1 47	24 16	13 5	22 59	23 0	20 20	18 14	5 17
F 16	0 29	25 5	2 4	7 38	2 14	1 16	7 13	15 0	1 13	11 11	0 58	22 15	0 51	21 21	0 5	13 1	1 47	24 16	13 5	23 0	23 0	20 21	18 14	5 17
S 17	0 53	24 38	1 4	6 53	2 12	0 56	7 2	14 45	1 14	11 6	0 58	22 16	0 51	21 21	0 5	13 2	1 47	24 15	13 6	23 0	23 0	20 23	18 15	5 17
S 18	1 17	22 58	0n 1	6 8	2 9	0 36	6 51	14 29	1 14	11 1	0 59	22 16	0 51	21 21	0 5	13 2	1 47	24 15	13 6	23 0	23 1	20 24	18 15	5 16
M19	1 40	20 9	1 7	5 21	2 5	0 16	6 39	14 14	1 14	10 57	0 59	22 17	0 51	21 21	0 5	13 3	1 47	24 15	13 6	23 0	23 1	20 26	18 16	5 16
T 20	2 4	16 15	2 12	4 33	2 1	0s 2	6 26	13 58	1 15	10 52	0 59	22 17	0 51	21 20	0 5	13 3	1 47	24 14	13 6	23 0	23 1	20 28	18 16	5 16
W21	2 27	11 25	3 11	3 44	1 56	0 20	6 14	13 43	1 15	10 47	0 59	22 18	0 50	21 20	0 5	13 4	1 47	24 14	13 6	23 0	23 2	20 29	18 16	5 15
T 22	2 50	5 51	4 2	2 53	1 51	0 38	6 1	13 27	1 15	10 42	0 59	22 18	0 50	21 20	0 5	13 5	1 47	24 14	13 7	23 1	23 2	20 31	18 17	5 15
F 23	3 14	0n11	4 38	2 2	1 45	0 54	5 48	13 11	1 16	10 38	0 59	22 19	0 50	21 20	0 5	13 5	1 47	24 14	13 7	23 2	23 2	20 32	18 17	5 15
S 24	3 37	6 20	4 58	1 9	1 39	1 10	5 35	12 55	1 16	10 33	0 59	22 19	0 50	21 20	0 5	13 6	1 47	24 13	13 7	23 3	23 2	20 34	18 18	5 14
S 25	4 0	12 14	4 57	0 16	1 32	1 25	5 22	12 39	1 16	10 28	1 0	22 20	0 50	21 20	0 5	13 7	1 47	24 13	13 7	23 4	23 3	20 35	18 18	5 14
M26	4 23	17 26	4 36	0n39	1 25	1 39	5 9	12 22	1 16	10 23	1 0	22 20	0 50	21 19	0 5	13 7	1 47	24 13	13 8	23 5	23 3	20 37	18 19	5 13
T 27	4 46	21 30	3 56	1 34	1 18	1 52	4 55	12 6	1 17	10 19	1 0	22 21	0 49	21 19	0 5	13 8	1 47	24 13	13 8	23 5	23 3	20 38	18 19	5 13
W28	5 9	24 4	3 1	2 30	1 9	2 4	4 42	11 49	1 17	10 14	1 0	22 21	0 49	21 19	0 5	13 9	1 47	24 12	13 8	23 6	23 4	20 40	18 19	5 13
T 29	5 32	24 59	1 54	3 27	1 1	2 16	4 29	11 33	1 17	10 9	1 0	22 22	0 49	21 19	0 5	13 9	1 47	24 12	13 8	23 6	23 4	20 42	18 20	5 12
F 30	5 55	24 15	0 43	4 25	0 52	2 26	4 16	11 16	1 17	10 5	1 0	22 22	0 49	21 19	0 5	13 10	1 47	24 12	13 9	23 6	23 4	20 43	18 20	5 12
S 31	6n18	22n 2	0s29	5n22	0s42	2s35	4n 3	10s59	1s18	10s 0	1s 0	22n23	0s49	21s18	0n 5	13n11	1s47	24s12	13s 9	23s 6	23s 4	20s45	18n21	5s12

Julian Day Number = 2108647.5, Delta T = 19m58s
Ecliptic obliquity = 23°33'42, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°39'12, Lahiri = 10°46'12 Julian Calendar 1 March 1061 == Greg. Calendar 7 March 1061

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1061
geocentric

APRIL 1061 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 0 11	16♈53'49	29♋56	17♈20	14♓ 9	5♓37	7♓ 0	20♊10	5°R47	9♉58	28♒52	10°R59	11♑18	16♏ 2	27♊28	S 1
M 2	13 4 7	17°52'16	13♌ 0	19°28	14°20	6°24	7°13	20°14	5♐46	10° 0	28°53	10♑57	11°15	16° 9	27°31	M 2
T 3	13 8 4	18°50'41	25°49	21°36	14°34	7°10	7°25	20°19	5°45	10° 2	28°54	10°53	11°12	16°15	27°35	T 3
W 4	13 12 0	19°49'04	8♍24	23°44	14°49	7°56	7°38	20°24	5°43	10° 4	28°55	10°46	11° 9	16°22	27°38	W 4
T 5	13 15 57	20°47'24	20°49	25°52	15° 6	8°42	7°50	20°30	5°42	10° 6	28°56	10°36	11° 5	16°29	27°41	T 5
F 6	13 19 54	21°45'43	3♎ 6	28° 0	15°25	9°29	8° 3	20°35	5°40	10° 9	28°58	10°24	11° 2	16°36	27°45	F 6
S 7	13 23 50	22°44'00	15°14	0♉ 7	15°46	10°15	8°15	20°40	5°39	10°11	28°59	10°10	10°59	16°42	27°48	S 7
S 8	13 27 47	23°42'14	27°15	2°13	16° 9	11° 1	8°27	20°45	5°37	10°13	29° 0	9°57	10°56	16°49	27°52	S 8
M 9	13 31 43	24°40'27	9♏11	4°18	16°34	11°47	8°39	20°51	5°35	10°15	29° 1	9°44	10°53	16°56	27°55	M 9
T 10	13 35 40	25°38'39	21° 3	6°22	17° 0	12°33	8°51	20°56	5°34	10°17	29° 2	9°34	10°49	17° 2	27°59	T 10
W11	13 39 36	26°36'49	2♐53	8°24	17°28	13°19	9° 3	21° 2	5°32	10°19	29° 3	9°26	10°46	17° 9	28° 3	W11
T 12	13 43 33	27°34'57	14°43	10°23	17°57	14° 6	9°15	21° 8	5°30	10°22	29° 4	9°21	10°43	17°16	28° 6	T 12
F 13	13 47 29	28°33'03	26°37	12°20	18°28	14°52	9°27	21°13	5°29	10°24	29° 5	9°18	10°40	17°22	28°10	F 13
S 14	13 51 26	29°31'08	8♑39	14°15	19° 0	15°38	9°39	21°19	5°27	10°26	29° 6	9°D17	10°37	17°29	28°14	S 14
S 15	13 55 22	0♉29'12	20°54	16° 7	19°33	16°24	9°50	21°25	5°25	10°28	29° 7	9°18	10°34	17°36	28°18	S 15
M16	13 59 19	1°27'14	3♒27	17°55	20° 8	17°10	10° 2	21°31	5°23	10°30	29° 7	9°R18	10°30	17°42	28°22	M16
T 17	14 3 16	2°25'15	16°23	19°41	20°44	17°55	10°13	21°37	5°21	10°33	29° 8	9°17	10°27	17°49	28°27	T 17
W18	14 7 12	3°23'14	29°45	21°23	21°22	18°41	10°25	21°43	5°19	10°35	29° 9	9°14	10°24	17°56	28°31	W18
T 19	14 11 9	4°21'12	13♓37	23° 2	22° 0	19°27	10°36	21°49	5°17	10°37	29°10	9° 9	10°21	18° 3	28°35	T 19
F 20	14 15 5	5°19'09	27°58	24°37	22°40	20°13	10°47	21°55	5°15	10°39	29°11	9° 2	10°18	18° 9	28°39	F 20
S 21	14 19 2	6°17'04	12♈46	26° 9	23°21	20°59	10°58	22° 1	5°13	10°42	29°12	8°53	10°15	18°16	28°44	S 21
S 22	14 22 58	7°14'58	27°52	27°37	24° 2	21°45	11° 9	22° 8	5°11	10°44	29°12	8°44	10°11	18°23	28°48	S 22
M23	14 26 55	8°12'50	13♉ 7	29° 1	24°45	22°30	11°20	22°14	5° 9	10°46	29°13	8°35	10° 8	18°29	28°53	M23
T 24	14 30 51	9°10'41	28°21	0♊22	25°29	23°16	11°31	22°20	5° 7	10°48	29°14	8°28	10° 5	18°36	28°57	T 24
W25	14 34 48	10° 8'31	13♊23	1°39	26°13	24° 2	11°42	22°27	5° 5	10°51	29°15	8°24	10° 2	18°43	29° 2	W25
T 26	14 38 45	11° 6'19	28° 5	2°51	26°59	24°47	11°52	22°33	5° 3	10°53	29°15	8°21	9°59	18°49	29° 6	T 26
F 27	14 42 41	12° 4'05	12♋23	4° 0	27°45	25°33	12° 3	22°40	5° 1	10°55	29°16	8°D21	9°55	18°56	29°11	F 27
S 28	14 46 38	13° 1'49	26°14	5° 5	28°32	26°18	12°13	22°47	4°58	10°57	29°17	8°22	9°52	19° 3	29°16	S 28
S 29	14 50 34	13°59'32	9♌40	6° 5	29°20	27° 4	12°24	22°53	4°56	11° 0	29°17	8°R22	9°49	19° 9	29°21	S 29
M30	14 54 31	14♉57'12	22♌44	7♊ 2	0♈ 9	27♓49	12♓34	23♊ 0	4♐54	11♉ 2	29♒18	8♑22	9♑46	19♏16	29♊26	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n40	18n40	1s38	6n20	0s33	2s44	3n50	10s42	1s18	9s55	1s 1	22n23	0s49	21s18	0n 5	13n11	1s47	24s12	13s 9	23s 6	23s 5	20s46	18n21	5s11
M 2	7 3	14 26	2 40	7 18	0 22	2 51	3 37	10 25	1 18	9 51	1 1	22 24	0 48	21 18	0 5	13 12	1 47	24 11	13 9	23 6	23 5	20 48	18 21	5 11
T 3	7 25	9 38	3 33	8 16	0 12	2 57	3 25	10 8	1 18	9 46	1 1	22 24	0 48	21 18	0 5	13 13	1 47	24 11	13 10	23 7	23 5	20 49	18 22	5 11
W 4	7 47	4 32	4 14	9 14	0 1	3 3	3 13	9 51	1 19	9 42	1 1	22 25	0 48	21 18	0 5	13 14	1 47	24 11	13 10	23 7	23 5	20 51	18 22	5 10
T 5	8 9	0s41	4 43	10 11	0n 9	3 7	3 1	9 34	1 19	9 37	1 1	22 25	0 48	21 17	0 5	13 14	1 47	24 11	13 10	23 8	23 6	20 52	18 22	5 10
F 6	8 31	5 47	4 58	11 8	0 20	3 11	2 49	9 16	1 19	9 33	1 1	22 26	0 48	21 17	0 5	13 15	1 47	24 11	13 10	23 9	23 6	20 53	18 23	5 10
S 7	8 53	10 37	4 59	12 3	0 31	3 14	2 37	8 59	1 19	9 28	1 2	22 26	0 48	21 17	0 5	13 16	1 47	24 11	13 11	23 10	23 6	20 55	18 23	5 9
S 8	9 15	15 0	4 47	12 58	0 42	3 15	2 25	8 42	1 19	9 24	1 2	22 27	0 47	21 16	0 5	13 16	1 46	24 11	13 11	23 11	23 7	20 56	18 24	5 9
M 9	9 36	18 46	4 22	13 50	0 52	3 16	2 14	8 24	1 19	9 19	1 2	22 28	0 47	21 16	0 5	13 17	1 46	24 10	13 11	23 12	23 7	20 58	18 24	5 9
T 10	9 58	21 45	3 46	14 42	1 3	3 16	2 3	8 6	1 20	9 15	1 2	22 28	0 47	21 16	0 5	13 18	1 46	24 10	13 12	23 13	23 7	20 59	18 24	5 9
W11	10 19	23 47	3 0	15 31	1 13	3 15	1 52	7 49	1 20	9 11	1 2	22 29	0 47	21 16	0 5	13 18	1 46	24 10	13 12	23 13	23 7	21 1	18 25	5 8
T 12	10 40	24 47	2 7	16 19	1 23	3 14	1 42	7 31	1 20	9 6	1 3	22 29	0 47	21 15	0 5	13 19	1 46	24 10	13 12	23 14	23 8	21 2	18 25	5 8
F 13	11 1	24 38	1 7	17 4	1 32	3 11	1 32	7 13	1 20	9 2	1 3	22 30	0 47	21 15	0 5	13 20	1 46	24 10	13 13	23 14	23 8	21 4	18 25	5 8
S 14	11 22	23 20	0 3	17 48	1 41	3 8	1 22	6 55	1 20	8 58	1 3	22 30	0 46	21 15	0 5	13 21	1 46	24 10	13 13	23 14	23 8	21 5	18 26	5 7
S 15	11 42	20 55	1n 1	18 29	1 49	3 3	1 12	6 38	1 20	8 54	1 3	22 31	0 46	21 14	0 5	13 21	1 46	24 10	13 13	23 14	23 8	21 6	18 26	5 7
M16	12 2	17 27	2 5	19 7	1 56	2 58	1 2	6 20	1 20	8 49	1 3	22 31	0 46	21 14	0 5	13 22	1 46	24 10	13 13	23 14	23 9	21 8	18 26	5 7
T 17	12 23	13 5	3 4	19 43	2 3	2 53	0 53	6 2	1 20	8 45	1 3	22 32	0 46	21 14	0 5	13 23	1 46	24 10	13 14	23 14	23 9	21 9	18 27	5 6
W18	12 42	7 57	3 55	20 17	2 10	2 46	0 44	5 44	1 21	8 41	1 4	22 32	0 46	21 13	0 5	13 23	1 46	24 10	13 14	23 14	23 9	21 11	18 27	5 6
T 19	13 2	2 15	4 34	20 48	2 15	2 39	0 35	5 26	1 21	8 37	1 4	22 33	0 46	21 13	0 5	13 24	1 46	24 10	13 14	23 15	23 9	21 12	18 27	5 6
F 20	13 22	3n45	4 58	21 17	2 20	2 32	0 26	5 8	1 21	8 33	1 4	22 33	0 46	21 13	0 5	13 25	1 46	24 10	13 15	23 15	23 10	21 13	18 28	5 6
S 21	13 41	9 43	5 3	21 43	2 23	2 23	0 18	4 50	1 21	8 29	1 4	22 34	0 45	21 12	0 5	13 25	1 46	24 10	13 15	23 16	23 10	21 15	18 28	5 5
S 22	14 0	15 14	4 47	22 6	2 27	2 14	0 10	4 32	1 21	8 25	1 4	22 34	0 45	21 12	0 5	13 26	1 46	24 10	13 15	23 16	23 10	21 16	18 28	5 5
M23	14 19	19 50	4 11	22 28	2 29	2 4	0 2	4 13	1 21	8 21	1 5	22 35	0 45	21 12	0 5	13 27	1 46	24 10	13 16	23 17	23 10	21 18	18 28	5 5
T 24	14 38	23 5	3 17	22 46	2 30	1 54	0s 6	3 55	1 21	8 17	1 5	22 35	0 45	21 11	0 5	13 28	1 46	24 10	13 16	23 17	23 11	21 19	18 29	5 5
W25	14 56	24 40	2 9	23 3	2 30	1 43	0 14	3 37	1 21	8 13	1 5	22 36	0 45	21 11	0 5	13 28	1 46	24 10	13 16	23 18	23 11	21 20	18 29	5 4
T 26	15 14	24 28	0 55	23 17	2 30	1 32	0 21	3 19	1 21	8 9	1 5	22 36	0 45	21 10	0 5	13 29	1 46	24 10	13 17	23 18	23 11	21 22	18 29	5 4
F 27	15 32	22 37	0s22	23 29	2 29	1 20	0 28	3 1	1 21	8 5	1 6	22 37	0 45	21 10	0 5	13 30	1 46	24 10	13 17	23 18	23 11	21 23	18 30	5 4
S 28	15 50	19 28	1 34	23 39	2 26	1 7	0 35	2 43	1 21	8 1	1 6	22 37	0 44	21 10	0 5	13 30	1 46	24 10	13 17	23 18	23 12	21 24	18 30	5 4
S 29	16 7	15 21	2 40	23 47	2 23	0 54	0 41	2 25	1 21	7 58	1 6	22 38	0 44	21 9	0 5	13 31	1 46	24 10	13 18	23 18	23 12	21 26	18 30	5 4
M30	16n24	10n37	3s35	23n52	2n19	0s40	0s48	2s 6	1s21	7s54	1s 6	22n38	0s44	21s 9	0n 4	13n32	1s46	24s11	13s18	23s18	23s12	21s27	18n30	5s 3

Julian Day Number = 2108678.5, Delta T = 19m58s
Ecliptic obliquity = 23°33'42, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°39'16, Lahiri = 10°46'17 Julian Calendar 1 Apr. 1061 == Greg. Calendar 7 Apr. 1061

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1061
geocentric

MAY 1061 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 58 27	15♉54'52	5♍27	7♊54	0♈58	28♓35	12♓44	23♊ 7	4°R52	11♉ 4	29♒18	8°R20	9♋43	19♏23	29♊31	T 1
W 2	15 2 24	16°52'29	17°55	8°42	1°48	29°20	12°54	23°13	4♐49	11° 6	29°19	8♋16	9°40	19°30	29°35	W 2
T 3	15 6 20	17°50'05	0♎11	9°25	2°39	0♈ 5	13° 4	23°20	4°47	11° 9	29°19	8°10	9°36	19°36	29°40	T 3
F 4	15 10 17	18°47'40	12°17	10° 4	3°30	0°51	13°13	23°27	4°45	11°11	29°20	8° 2	9°33	19°43	29°46	F 4
S 5	15 14 14	19°45'13	24°17	10°39	4°22	1°36	13°23	23°34	4°42	11°13	29°20	7°53	9°30	19°50	29°51	S 5
S 6	15 18 10	20°42'45	6♏11	11° 9	5°14	2°21	13°33	23°41	4°40	11°15	29°21	7°44	9°27	19°56	29°56	S 6
M 7	15 22 7	21°40'16	18° 3	11°34	6° 7	3° 6	13°42	23°48	4°38	11°18	29°21	7°36	9°24	20° 3	0♌ 1	M 7
T 8	15 26 3	22°37'46	29°53	11°55	7° 1	3°51	13°51	23°55	4°35	11°20	29°22	7°29	9°21	20°10	0° 6	T 8
W 9	15 30 0	23°35'14	11♐44	12°11	7°55	4°36	14° 0	24° 2	4°33	11°22	29°22	7°24	9°17	20°16	0°12	W 9
T 10	15 33 56	24°32'42	23°38	12°22	8°50	5°21	14° 9	24° 9	4°30	11°24	29°22	7°21	9°14	20°23	0°17	T 10
F 11	15 37 53	25°30'08	5♑36	12°29	9°45	6° 6	14°18	24°17	4°28	11°26	29°23	7°D20	9°11	20°30	0°22	F 11
S 12	15 41 49	26°27'34	17°44	12°R31	10°41	6°51	14°27	24°24	4°26	11°29	29°23	7°21	9° 8	20°36	0°28	S 12
S 13	15 45 46	27°24'59	0♒ 3	12°28	11°37	7°36	14°36	24°31	4°23	11°31	29°23	7°22	9° 5	20°43	0°33	S 13
M14	15 49 43	28°22'23	12°38	12°21	12°34	8°21	14°44	24°38	4°21	11°33	29°24	7°24	9° 1	20°50	0°39	M14
T 15	15 53 39	29°19'47	25°33	12°10	13°31	9° 5	14°52	24°46	4°18	11°35	29°24	7°R24	8°58	20°57	0°44	T 15
W16	15 57 36	0♊17'09	8♓52	11°55	14°29	9°50	15° 1	24°53	4°16	11°37	29°24	7°24	8°55	21° 3	0°50	W16
T 17	16 1 32	1°14'32	22°36	11°36	15°26	10°35	15° 9	25° 0	4°13	11°40	29°24	7°22	8°52	21°10	0°55	T 17
F 18	16 5 29	2°11'53	6♈48	11°14	16°25	11°19	15°17	25° 8	4°11	11°42	29°24	7°19	8°49	21°17	1° 1	F 18
S 19	16 9 25	3° 9'14	21°24	10°48	17°23	12° 4	15°24	25°15	4° 8	11°44	29°25	7°15	8°46	21°23	1° 7	S 19
S 20	16 13 22	4° 6'35	6♉21	10°20	18°22	12°48	15°32	25°23	4° 6	11°46	29°25	7°10	8°42	21°30	1°12	S 20
M21	16 17 18	5° 3'55	21°31	9°50	19°22	13°32	15°40	25°30	4° 3	11°48	29°25	7° 6	8°39	21°37	1°18	M21
T 22	16 21 15	6° 1'14	6♊43	9°18	20°22	14°17	15°47	25°38	4° 1	11°50	29°25	7° 2	8°36	21°43	1°24	T 22
W23	16 25 12	6°58'33	21°48	8°45	21°22	15° 1	15°54	25°45	3°58	11°52	29°25	7° 0	8°33	21°50	1°29	W23
T 24	16 29 8	7°55'51	6♋37	8°11	22°22	15°45	16° 1	25°53	3°56	11°54	29°25	7°D 0	8°30	21°57	1°35	T 24
F 25	16 33 5	8°53'08	21° 4	7°37	23°23	16°29	16° 8	26° 0	3°54	11°56	29°R25	7° 0	8°27	22° 3	1°41	F 25
S 26	16 37 1	9°50'24	5♌ 5	7° 4	24°24	17°13	16°15	26° 8	3°51	11°58	29°25	7° 1	8°23	22°10	1°47	S 26
S 27	16 40 58	10°47'39	18°39	6°32	25°25	17°57	16°22	26°16	3°49	12° 0	29°25	7° 3	8°20	22°17	1°53	S 27
M28	16 44 54	11°44'54	1♍48	6° 2	26°27	18°41	16°28	26°23	3°46	12° 2	29°25	7° 4	8°17	22°23	1°59	M28
T 29	16 48 51	12°42'07	14°34	5°34	27°28	19°25	16°34	26°31	3°44	12° 4	29°25	7°R 4	8°14	22°30	2° 5	T 29
W30	16 52 48	13°39'20	27° 1	5° 8	28°31	20° 9	16°41	26°39	3°41	12° 6	29°25	7° 4	8°11	22°37	2°11	W30
T 31	16 56 44	14♊36'32	9♎14	4♊46	29♈33	20♈53	16♓47	26♊46	3♐39	12♉ 8	29♒24	7♋ 2	8♋ 7	22♏44	2♌17	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n41	5n33	4s18	23n56	2n14	0s26	0s54	1s48	1s21	7s50	1s 6	22n39	0s44	21s 8	0n 4	13n33	1s46	24s11	13s18	23s18	23s12	21s28	18n31	5s 3
W 2	16 58	0 23	4 48	23 58	2 7	0 12	1 0	1 30	1 21	7 47	1 7	22 39	0 44	21 8	0 4	13 33	1 46	24 11	13 19	23 18	23 12	21 30	18 31	5 3
T 3	17 14	4s43	5 4	23 58	2 0	0n 3	1 6	1 12	1 21	7 43	1 7	22 40	0 44	21 8	0 4	13 34	1 46	24 11	13 19	23 18	23 13	21 31	18 31	5 3
F 4	17 30	9 34	5 6	23 56	1 52	0 18	1 11	0 54	1 21	7 39	1 7	22 40	0 44	21 7	0 4	13 35	1 46	24 11	13 19	23 19	23 13	21 32	18 31	5 2
S 5	17 46	14 1	4 54	23 52	1 43	0 34	1 17	0 36	1 21	7 36	1 7	22 41	0 44	21 7	0 4	13 35	1 46	24 11	13 20	23 19	23 13	21 34	18 31	5 2
S 6	18 1	17 54	4 30	23 46	1 34	0 50	1 22	0 18	1 21	7 33	1 8	22 41	0 43	21 6	0 4	13 36	1 46	24 11	13 20	23 20	23 13	21 35	18 32	5 2
M 7	18 16	21 2	3 54	23 39	1 23	1 7	1 27	0n 1	1 20	7 29	1 8	22 42	0 43	21 6	0 4	13 37	1 46	24 12	13 21	23 21	23 14	21 36	18 32	5 2
T 8	18 31	23 18	3 8	23 30	1 11	1 24	1 32	0 19	1 20	7 26	1 8	22 42	0 43	21 6	0 4	13 37	1 46	24 12	13 21	23 21	23 14	21 38	18 32	5 2
W 9	18 46	24 31	2 14	23 20	0 59	1 41	1 36	0 37	1 20	7 22	1 8	22 43	0 43	21 5	0 4	13 38	1 46	24 12	13 21	23 21	23 14	21 39	18 32	5 2
T 10	19 0	24 38	1 14	23 8	0 45	1 59	1 41	0 55	1 20	7 19	1 9	22 43	0 43	21 5	0 4	13 39	1 46	24 12	13 22	23 21	23 14	21 40	18 32	5 1
F 11	19 14	23 36	0 9	22 55	0 31	2 17	1 45	1 13	1 20	7 16	1 9	22 43	0 43	21 4	0 4	13 39	1 46	24 12	13 22	23 21	23 14	21 41	18 32	5 1
S 12	19 28	21 27	0n56	22 41	0 16	2 35	1 49	1 31	1 20	7 13	1 9	22 44	0 43	21 4	0 4	13 40	1 46	24 12	13 22	23 21	23 15	21 43	18 33	5 1
S 13	19 41	18 17	2 0	22 25	0 1	2 53	1 53	1 49	1 20	7 10	1 9	22 44	0 43	21 3	0 4	13 41	1 46	24 13	13 23	23 21	23 15	21 44	18 33	5 1
M14	19 54	14 13	3 0	22 8	0s15	3 12	1 57	2 6	1 20	7 7	1 10	22 45	0 42	21 3	0 4	13 41	1 46	24 13	13 23	23 21	23 15	21 45	18 33	5 1
T 15	20 7	9 25	3 53	21 51	0 32	3 31	2 0	2 24	1 19	7 4	1 10	22 45	0 42	21 2	0 4	13 42	1 46	24 13	13 23	23 21	23 15	21 46	18 33	5 1
W16	20 19	4 3	4 34	21 32	0 49	3 50	2 3	2 42	1 19	7 1	1 10	22 46	0 42	21 2	0 4	13 43	1 46	24 13	13 24	23 21	23 16	21 48	18 33	5 1
T 17	20 31	1n40	5 1	21 12	1 6	4 10	2 7	3 0	1 19	6 58	1 10	22 46	0 42	21 2	0 4	13 43	1 46	24 14	13 24	23 21	23 16	21 49	18 33	5 0
F 18	20 42	7 29	5 12	20 52	1 23	4 29	2 10	3 17	1 19	6 55	1 11	22 46	0 42	21 1	0 4	13 44	1 46	24 14	13 24	23 21	23 16	21 50	18 33	5 0
S 19	20 54	13 3	5 2	20 32	1 40	4 49	2 12	3 35	1 19	6 52	1 11	22 47	0 42	21 1	0 4	13 45	1 46	24 14	13 25	23 22	23 16	21 51	18 33	5 0
S 20	21 5	17 59	4 32	20 11	1 57	5 9	2 15	3 53	1 19	6 49	1 11	22 47	0 42	21 0	0 4	13 45	1 46	24 15	13 25	23 22	23 16	21 53	18 33	5 0
M21	21 15	21 49	3 43	19 50	2 14	5 30	2 18	4 10	1 18	6 47	1 11	22 47	0 42	21 0	0 4	13 46	1 47	24 15	13 26	23 22	23 17	21 54	18 33	5 0
T 22	21 25	24 8	2 38	19 29	2 30	5 50	2 20	4 28	1 18	6 44	1 12	22 48	0 42	20 59	0 4	13 46	1 47	24 15	13 26	23 22	23 17	21 55	18 33	5 0
W23	21 35	24 41	1 22	19 9	2 45	6 10	2 22	4 45	1 18	6 41	1 12	22 48	0 41	20 59	0 4	13 47	1 47	24 15	13 26	23 22	23 17	21 56	18 33	5 0
T 24	21 45	23 26	0 2	18 49	3 0	6 31	2 24	5 2	1 18	6 39	1 12	22 48	0 41	20 58	0 4	13 48	1 47	24 16	13 27	23 23	23 17	21 57	18 33	5 0
F 25	21 54	20 38	1s17	18 30	3 14	6 52	2 26	5 19	1 17	6 37	1 12	22 49	0 41	20 58	0 4	13 48	1 47	24 16	13 27	23 22	23 17	21 58	18 33	5 0
S 26	22 2	16 42	2 28	18 12	3 26	7 13	2 28	5 37	1 17	6 34	1 13	22 49	0 41	20 57	0 4	13 49	1 47	24 16	13 27	23 22	23 18	22 0	18 33	4 59
S 27	22 11	12 0	3 29	17 56	3 38	7 33	2 30	5 54	1 17	6 32	1 13	22 49	0 41	20 57	0 4	13 49	1 47	24 17	13 28	23 22	23 18	22 1	18 33	4 59
M28	22 19	6 53	4 17	17 40	3 48	7 54	2 31	6 11	1 17	6 30	1 13	22 50	0 41	20 57	0 4	13 50	1 47	24 17	13 28	23 22	23 18	22 2	18 33	4 59
T 29	22 26	1 38	4 51	17 27	3 57	8 15	2 33	6 28	1 16	6 27	1 14	22 50	0 41	20 56	0 4	13 51	1 47	24 18	13 28	23 22	23 18	22 3	18 33	4 59
W30	22 33	3s32	5 10	17 15	4 5	8 36	2 34	6 45	1 16	6 25	1 14	22 50	0 41	20 56	0 4	13 51	1 47	24 18	13 29	23 22	23 18	22 4	18 33	4 59
T 31	22n40	8s29	5s14	17n 5	4s11	8n57	2s35	7n 1	1s16	6s23	1s14	22n51	0s41	20s55	0n 4	13n52	1s47	24s18	13s29	23s22	23s19	22s 5	18n33	4s59

Julian Day Number = 2108708.5, Delta T = 19m58s
Ecliptic obliquity = 23°33'41, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°39'20, Lahiri = 10°46'21 Julian Calendar 1 May 1061 == Greg. Calendar 7 May 1061

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1061
geocentric

JUNE 1061 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 0 41	15♊33'44	21♎16	4°R27	0♉35	21♈36	16♓52	26♊54	3°R37	12♉10	29°R24	6°R59	8♑ 4	22♏50	2♋23	F 1
S 2	17 4 37	16°30'55	3♏10	4♊12	1°38	22°20	16°58	27° 2	3♐34	12°12	29♒24	6♑56	8° 1	22°57	2°29	S 2
S 3	17 8 34	17°28'05	15° 1	4° 1	2°41	23° 3	17° 3	27°10	3°32	12°14	29°24	6°53	7°58	23° 4	2°35	S 3
M 4	17 12 30	18°25'15	26°51	3°55	3°45	23°47	17° 9	27°17	3°29	12°16	29°24	6°50	7°55	23°10	2°41	M 4
T 5	17 16 27	19°22'25	8♐43	3°D52	4°48	24°30	17°14	27°25	3°27	12°18	29°23	6°48	7°52	23°17	2°47	T 5
W 6	17 20 23	20°19'34	20°39	3°55	5°52	25°14	17°19	27°33	3°25	12°20	29°23	6°46	7°48	23°24	2°53	W 6
T 7	17 24 20	21°16'43	2♑40	4° 2	6°56	25°57	17°24	27°41	3°22	12°22	29°23	6°D46	7°45	23°30	2°59	T 7
F 8	17 28 17	22°13'52	14°49	4°15	8° 0	26°40	17°28	27°48	3°20	12°24	29°22	6°46	7°42	23°37	3° 5	F 8
S 9	17 32 13	23°11'01	27° 8	4°32	9° 4	27°23	17°33	27°56	3°18	12°25	29°22	6°47	7°39	23°44	3°12	S 9
S 10	17 36 10	24° 8'10	9♒39	4°53	10° 9	28° 6	17°37	28° 4	3°16	12°27	29°22	6°48	7°36	23°50	3°18	S 10
M11	17 40 6	25° 5'19	22°24	5°20	11°14	28°49	17°41	28°12	3°13	12°29	29°21	6°49	7°33	23°57	3°24	M11
T 12	17 44 3	26° 2'28	5♓26	5°52	12°19	29°32	17°45	28°20	3°11	12°31	29°21	6°50	7°29	24° 4	3°30	T 12
W13	17 47 59	26°59'38	18°46	6°28	13°24	0♉15	17°49	28°28	3° 9	12°32	29°20	6°50	7°26	24°10	3°36	W13
T 14	17 51 56	27°56'47	2♈27	7° 9	14°29	0°58	17°53	28°35	3° 7	12°34	29°20	6°R50	7°23	24°17	3°42	T 14
F 15	17 55 52	28°53'57	16°29	7°55	15°35	1°40	17°56	28°43	3° 5	12°36	29°19	6°50	7°20	24°24	3°49	F 15
S 16	17 59 49	29°51'08	0♉51	8°45	16°41	2°23	17°59	28°51	3° 3	12°38	29°19	6°49	7°17	24°30	3°55	S 16
S 17	18 3 46	0♋48'18	15°29	9°40	17°46	3° 5	18° 2	28°59	3° 0	12°39	29°18	6°49	7°13	24°37	4° 1	S 17
M18	18 7 42	1°45'30	0♊20	10°40	18°52	3°48	18° 5	29° 7	2°58	12°41	29°18	6°48	7°10	24°44	4° 7	M18
T 19	18 11 39	2°42'41	15°16	11°44	19°59	4°30	18° 8	29°14	2°56	12°42	29°17	6°48	7° 7	24°51	4°14	T 19
W20	18 15 35	3°39'53	0♋ 9	12°52	21° 5	5°12	18°11	29°22	2°54	12°44	29°17	6°D47	7° 4	24°57	4°20	W20
T 21	18 19 32	4°37'06	14°52	14° 5	22°11	5°54	18°13	29°30	2°52	12°46	29°16	6°47	7° 1	25° 4	4°26	T 21
F 22	18 23 28	5°34'18	29°17	15°22	23°18	6°36	18°15	29°38	2°50	12°47	29°15	6°48	6°58	25°11	4°32	F 22
S 23	18 27 25	6°31'31	13♌21	16°43	24°25	7°18	18°17	29°46	2°49	12°49	29°15	6°R48	6°54	25°17	4°39	S 23
S 24	18 31 21	7°28'43	26°59	18° 8	25°32	8° 0	18°19	29°54	2°47	12°50	29°14	6°48	6°51	25°24	4°45	S 24
M25	18 35 18	8°25'56	10♍13	19°38	26°39	8°42	18°20	0♋ 1	2°45	12°52	29°13	6°47	6°48	25°31	4°51	M25
T 26	18 39 15	9°23'09	23° 4	21°11	27°46	9°24	18°21	0° 9	2°43	12°53	29°13	6°47	6°45	25°37	4°57	T 26
W27	18 43 11	10°20'22	5♎33	22°48	28°53	10° 5	18°23	0°17	2°41	12°54	29°12	6°D47	6°42	25°44	5° 4	W27
T 28	18 47 8	11°17'35	17°47	24°29	0♊ 1	10°47	18°24	0°25	2°39	12°56	29°11	6°47	6°39	25°51	5°10	T 28
F 29	18 51 4	12°14'48	29°48	26°13	1° 8	11°28	18°24	0°32	2°38	12°57	29°10	6°47	6°35	25°57	5°16	F 29
S 30	18 55 1	13♋12'02	11♏42	28♊ 1	2♊16	12♉10	18♓25	0♋40	2♐36	12♉58	29♒10	6♑48	6♑32	26♏ 4	5♋22	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n46	13s 2	5s 5	16n56	4s16	9n18	2s36	7n18	1s15	6s21	1s14	22n51	0s41	20s55	0n 4	13n52	1s47	24s19	13s29	23s23	23s19	22s 7	18n33	4s59
S 2	22 52	17 3	4 42	16 50	4 20	9 39	2 37	7 35	1 15	6 19	1 15	22 51	0 40	20 54	0 4	13 53	1 47	24 19	13 30	23 23	23 19	22 8	18 33	4 59
S 3	22 58	20 22	4 8	16 46	4 22	10 0	2 37	7 51	1 15	6 17	1 15	22 52	0 40	20 54	0 4	13 53	1 47	24 19	13 30	23 23	23 19	22 9	18 33	4 59
M 4	23 3	22 50	3 23	16 44	4 23	10 21	2 38	8 7	1 14	6 15	1 15	22 52	0 40	20 53	0 4	13 54	1 47	24 20	13 31	23 23	23 19	22 10	18 33	4 59
T 5	23 8	24 19	2 29	16 44	4 22	10 42	2 38	8 24	1 14	6 14	1 16	22 52	0 40	20 53	0 4	13 55	1 47	24 20	13 31	23 23	23 20	22 11	18 33	4 59
W 6	23 12	24 41	1 28	16 46	4 20	11 3	2 38	8 40	1 14	6 12	1 16	22 52	0 40	20 53	0 4	13 55	1 47	24 21	13 31	23 23	23 20	22 12	18 33	4 59
T 7	23 16	23 55	0 23	16 51	4 18	11 24	2 39	8 56	1 13	6 10	1 16	22 53	0 40	20 52	0 4	13 56	1 47	24 21	13 32	23 23	23 20	22 13	18 33	4 59
F 8	23 20	22 0	0n44	16 57	4 14	11 45	2 39	9 12	1 13	6 9	1 17	22 53	0 40	20 52	0 4	13 56	1 47	24 22	13 32	23 23	23 20	22 14	18 33	4 59
S 9	23 23	19 2	1 50	17 5	4 9	12 5	2 39	9 28	1 13	6 7	1 17	22 53	0 40	20 51	0 4	13 57	1 47	24 22	13 32	23 23	23 20	22 16	18 32	4 59
S 10	23 26	15 9	2 52	17 15	4 3	12 26	2 38	9 44	1 12	6 6	1 17	22 53	0 40	20 51	0 4	13 57	1 47	24 22	13 33	23 23	23 21	22 17	18 32	4 59
M11	23 28	10 32	3 47	17 26	3 56	12 46	2 38	10 0	1 12	6 5	1 17	22 53	0 40	20 50	0 4	13 58	1 47	24 23	13 33	23 23	23 21	22 18	18 32	4 59
T 12	23 30	5 22	4 31	17 39	3 48	13 7	2 38	10 15	1 11	6 3	1 18	22 54	0 39	20 50	0 4	13 58	1 47	24 23	13 33	23 23	23 21	22 19	18 32	4 59
W13	23 32	0n 9	5 1	17 54	3 39	13 27	2 37	10 31	1 11	6 2	1 18	22 54	0 39	20 50	0 4	13 59	1 47	24 24	13 34	23 23	23 21	22 20	18 32	4 59
T 14	23 33	5 48	5 16	18 10	3 30	13 47	2 36	10 46	1 10	6 1	1 18	22 54	0 39	20 49	0 4	13 59	1 47	24 24	13 34	23 23	23 21	22 21	18 32	4 59
F 15	23 33	11 19	5 13	18 27	3 20	14 6	2 36	11 1	1 10	6 0	1 19	22 54	0 39	20 49	0 4	14 0	1 47	24 25	13 34	23 23	23 21	22 22	18 31	4 59
S 16	23 34	16 21	4 50	18 45	3 10	14 26	2 35	11 16	1 10	5 59	1 19	22 54	0 39	20 48	0 4	14 0	1 47	24 25	13 35	23 23	23 22	22 23	18 31	4 59
S 17	23 34	20 30	4 8	19 4	2 58	14 45	2 34	11 31	1 9	5 58	1 19	22 54	0 39	20 48	0 4	14 1	1 47	24 26	13 35	23 23	23 22	22 24	18 31	4 59
M18	23 33	23 24	3 9	19 24	2 47	15 4	2 33	11 46	1 9	5 57	1 20	22 55	0 39	20 48	0 4	14 1	1 47	24 26	13 35	23 23	23 22	22 25	18 31	4 59
T 19	23 32	24 40	1 57	19 45	2 35	15 23	2 32	12 1	1 8	5 56	1 20	22 55	0 39	20 47	0 4	14 1	1 47	24 27	13 36	23 23	23 22	22 26	18 30	4 59
W20	23 31	24 10	0 37	20 6	2 23	15 42	2 30	12 16	1 8	5 56	1 20	22 55	0 39	20 47	0 4	14 2	1 48	24 27	13 36	23 23	23 22	22 27	18 30	4 59
T 21	23 29	21 59	0s45	20 27	2 10	16 0	2 29	12 30	1 7	5 55	1 21	22 55	0 39	20 47	0 4	14 2	1 48	24 28	13 36	23 23	23 22	22 28	18 30	5 0
F 22	23 27	18 25	2 2	20 49	1 57	16 19	2 28	12 44	1 7	5 55	1 21	22 55	0 39	20 46	0 4	14 3	1 48	24 28	13 36	23 23	23 23	22 29	18 30	5 0
S 23	23 24	13 52	3 9	21 10	1 44	16 36	2 26	12 59	1 6	5 54	1 21	22 55	0 39	20 46	0 4	14 3	1 48	24 29	13 37	23 23	23 23	22 30	18 29	5 0
S 24	23 21	8 45	4 4	21 31	1 31	16 54	2 25	13 13	1 6	5 54	1 21	22 55	0 38	20 45	0 4	14 4	1 48	24 29	13 37	23 23	23 23	22 31	18 29	5 0
M25	23 17	3 24	4 44	21 51	1 18	17 11	2 23	13 27	1 5	5 53	1 22	22 55	0 38	20 45	0 4	14 4	1 48	24 30	13 37	23 23	23 23	22 32	18 29	5 0
T 26	23 14	1s57	5 8	22 11	1 5	17 28	2 21	13 41	1 5	5 53	1 22	22 55	0 38	20 45	0 4	14 4	1 48	24 30	13 38	23 23	23 23	22 33	18 28	5 0
W27	23 9	7 4	5 17	22 30	0 52	17 45	2 19	13 54	1 4	5 53	1 22	22 55	0 38	20 44	0 4	14 5	1 48	24 31	13 38	23 23	23 23	22 34	18 28	5 0
T 28	23 5	11 48	5 12	22 48	0 39	18 1	2 17	14 8	1 3	5 53	1 23	22 55	0 38	20 44	0 4	14 5	1 48	24 32	13 38	23 23	23 24	22 35	18 28	5 0
F 29	23 0	16 0	4 52	23 5	0 26	18 17	2 15	14 21	1 3	5 53	1 23	22 55	0 38	20 44	0 4	14 5	1 48	24 32	13 39	23 23	23 24	22 36	18 27	5 0
S 30	22n54	19s33	4s21	23n19	0s13	18n32	2s13	14n34	1s 2	5s53	1s23	22n56	0s38	20s43	0n 4	14n 6	1s48	24s33	13s39	23s23	23s24	22s37	18n27	5s 0

Julian Day Number = 2108739.5, Delta T = 19m57s
Ecliptic obliquity = 23°33'40, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°39'24, Lahiri = 10°46'25 Julian Calendar 1 June 1061 == Greg. Calendar 7 June 1061

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1061
geocentric

JULY 1061 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 58 57	14♋ 9'16	23♏32	29♊52	3♊24	12♉51	18♓25	0♋48	2°R34	13♉ 0	29°R 9	6♑49	6♑29	26♏11	5♋29	S 1
M 2	19 2 54	15° 6'31	5♐23	1♋45	4°32	13°32	18°R25	0°55	2♐33	13° 1	29♒ 8	6°49	6°26	26°17	5°35	M 2
T 3	19 6 50	16° 3'46	17°18	3°42	5°40	14°13	18°25	1° 3	2°31	13° 2	29° 7	6°50	6°23	26°24	5°41	T 3
W 4	19 10 47	17° 1'01	29°20	5°40	6°48	14°54	18°25	1°11	2°30	13° 3	29° 6	6°51	6°19	26°31	5°47	W 4
T 5	19 14 44	17°58'17	11♑32	7°41	7°56	15°35	18°25	1°18	2°28	13° 5	29° 6	6°R51	6°16	26°37	5°53	T 5
F 6	19 18 40	18°55'34	23°56	9°43	9° 5	16°16	18°24	1°26	2°27	13° 6	29° 5	6°50	6°13	26°44	6° 0	F 6
S 7	19 22 37	19°52'52	6♒32	11°47	10°13	16°56	18°23	1°33	2°25	13° 7	29° 4	6°49	6°10	26°51	6° 6	S 7
S 8	19 26 33	20°50'10	19°22	13°52	11°22	17°37	18°22	1°41	2°24	13° 8	29° 3	6°47	6° 7	26°57	6°12	S 8
M 9	19 30 30	21°47'30	2♓25	15°57	12°31	18°17	18°21	1°49	2°23	13° 9	29° 2	6°46	6° 4	27° 4	6°18	M 9
T 10	19 34 26	22°44'50	15°43	18° 3	13°40	18°58	18°20	1°56	2°21	13°10	29° 1	6°44	6° 0	27°11	6°24	T 10
W11	19 38 23	23°42'11	29°14	20° 9	14°49	19°38	18°18	2° 4	2°20	13°11	29° 0	6°42	5°57	27°17	6°30	W11
T 12	19 42 20	24°39'34	13♈ 0	22°15	15°58	20°18	18°16	2°11	2°19	13°12	28°59	6°41	5°54	27°24	6°36	T 12
F 13	19 46 16	25°36'58	26°58	24°21	17° 7	20°58	18°14	2°18	2°18	13°13	28°58	6°D40	5°51	27°31	6°42	F 13
S 14	19 50 13	26°34'23	11♉ 9	26°26	18°16	21°38	18°12	2°26	2°17	13°14	28°57	6°41	5°48	27°37	6°48	S 14
S 15	19 54 9	27°31'49	25°29	28°30	19°26	22°18	18°10	2°33	2°16	13°15	28°56	6°42	5°45	27°44	6°54	S 15
M16	19 58 6	28°29'17	9♊57	0♌33	20°35	22°58	18° 7	2°40	2°15	13°16	28°55	6°43	5°41	27°51	7° 0	M16
T 17	20 2 2	29°26'46	24°29	2°35	21°45	23°37	18° 5	2°48	2°14	13°17	28°54	6°44	5°38	27°58	7° 6	T 17
W18	20 5 59	0♌24'17	8♋59	4°36	22°55	24°17	18° 2	2°55	2°13	13°17	28°53	6°R45	5°35	28° 4	7°12	W18
T 19	20 9 55	1°21'48	23°22	6°36	24° 4	24°56	17°58	3° 2	2°12	13°18	28°52	6°44	5°32	28°11	7°18	T 19
F 20	20 13 52	2°19'21	7♌34	8°34	25°14	25°36	17°55	3°10	2°11	13°19	28°51	6°42	5°29	28°18	7°24	F 20
S 21	20 17 49	3°16'55	21°29	10°31	26°24	26°15	17°52	3°17	2°10	13°20	28°49	6°39	5°25	28°24	7°30	S 21
S 22	20 21 45	4°14'30	5♍ 4	12°26	27°35	26°54	17°48	3°24	2° 9	13°20	28°48	6°35	5°22	28°31	7°36	S 22
M23	20 25 42	5°12'06	18°17	14°20	28°45	27°33	17°44	3°31	2° 9	13°21	28°47	6°30	5°19	28°38	7°42	M23
T 24	20 29 38	6° 9'43	1♎ 8	16°13	29°55	28°11	17°40	3°38	2° 8	13°22	28°46	6°26	5°16	28°44	7°48	T 24
W25	20 33 35	7° 7'21	13°39	18° 4	1♋ 5	28°50	17°36	3°45	2° 8	13°22	28°45	6°23	5°13	28°51	7°53	W25
T 26	20 37 31	8° 5'00	25°54	19°54	2°16	29°29	17°31	3°52	2° 7	13°23	28°44	6°21	5°10	28°58	7°59	T 26
F 27	20 41 28	9° 2'40	7♏55	21°42	3°26	0♊ 7	17°27	3°59	2° 7	13°23	28°43	6°D20	5° 6	29° 4	8° 5	F 27
S 28	20 45 24	10° 0'21	19°49	23°29	4°37	0°45	17°22	4° 6	2° 6	13°24	28°41	6°20	5° 3	29°11	8°11	S 28
S 29	20 49 21	10°58'04	1♐39	25°14	5°48	1°23	17°17	4°12	2° 6	13°24	28°40	6°22	5° 0	29°18	8°16	S 29
M30	20 53 18	11°55'47	13°31	26°58	6°59	2° 1	17°12	4°19	2° 5	13°25	28°39	6°24	4°57	29°24	8°22	M30
T 31	20 57 14	12♌53'32	25♐29	28♌40	8♋ 9	2♊39	17♓ 7	4♋26	2♐ 5	13♉25	28♒38	6♑25	4♑54	29♏31	8♋27	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n48	22s16	3s38	23n32	0s 1	18n48	2s11	14n48	1s 2	5s53	1s24	22n56	0s38	20s43	0n 4	14n 6	1s48	24s33	13s39	23s23	23s24	22s38	18n26	5s 1
M 2	22 42	24 2	2 46	23 43	0n11	19 2	2 9	15 1	1 1	5 53	1 24	22 56	0 38	20 43	0 4	14 6	1 48	24 34	13 39	23 23	23 24	22 39	18 26	5 1
T 3	22 35	24 43	1 46	23 52	0 22	19 17	2 7	15 13	1 1	5 54	1 24	22 56	0 38	20 42	0 4	14 7	1 48	24 34	13 40	23 23	23 24	22 40	18 26	5 1
W 4	22 28	24 15	0 41	23 59	0 33	19 31	2 4	15 26	1 0	5 54	1 25	22 56	0 38	20 42	0 4	14 7	1 48	24 35	13 40	23 23	23 25	22 41	18 25	5 1
T 5	22 21	22 38	0n26	24 3	0 43	19 44	2 2	15 39	0 59	5 54	1 25	22 56	0 38	20 42	0 4	14 7	1 48	24 35	13 40	23 23	23 25	22 42	18 25	5 1
F 6	22 13	19 54	1 33	24 4	0 52	19 57	2 0	15 51	0 59	5 55	1 25	22 56	0 38	20 42	0 4	14 8	1 48	24 36	13 40	23 23	23 25	22 43	18 24	5 1
S 7	22 5	16 12	2 37	24 3	1 1	20 10	1 57	16 3	0 58	5 56	1 26	22 56	0 38	20 41	0 4	14 8	1 48	24 37	13 41	23 23	23 25	22 44	18 24	5 2
S 8	21 56	11 42	3 34	23 59	1 9	20 22	1 55	16 15	0 57	5 56	1 26	22 56	0 37	20 41	0 4	14 8	1 48	24 37	13 41	23 23	23 25	22 44	18 24	5 2
M 9	21 47	6 36	4 21	23 52	1 16	20 34	1 52	16 27	0 57	5 57	1 26	22 55	0 37	20 41	0 4	14 9	1 48	24 38	13 41	23 23	23 25	22 45	18 23	5 2
T 10	21 38	1 8	4 55	23 42	1 23	20 45	1 49	16 39	0 56	5 58	1 27	22 55	0 37	20 41	0 4	14 9	1 48	24 38	13 41	23 23	23 25	22 46	18 23	5 2
W11	21 28	4n29	5 13	23 30	1 28	20 56	1 47	16 51	0 55	5 59	1 27	22 55	0 37	20 40	0 4	14 9	1 49	24 39	13 42	23 23	23 26	22 47	18 22	5 2
T 12	21 18	9 58	5 14	23 15	1 33	21 6	1 44	17 2	0 55	6 0	1 27	22 55	0 37	20 40	0 4	14 9	1 49	24 39	13 42	23 24	23 26	22 48	18 22	5 2
F 13	21 8	15 2	4 56	22 57	1 37	21 15	1 41	17 13	0 54	6 1	1 27	22 55	0 37	20 40	0 4	14 10	1 49	24 40	13 42	23 24	23 26	22 49	18 21	5 3
S 14	20 57	19 22	4 20	22 37	1 41	21 25	1 38	17 25	0 53	6 2	1 28	22 55	0 37	20 40	0 4	14 10	1 49	24 41	13 42	23 23	23 26	22 50	18 21	5 3
S 15	20 46	22 36	3 28	22 15	1 43	21 33	1 35	17 35	0 53	6 3	1 28	22 55	0 37	20 40	0 4	14 10	1 49	24 41	13 42	23 23	23 26	22 51	18 20	5 3
M16	20 34	24 24	2 22	21 51	1 45	21 41	1 32	17 46	0 52	6 4	1 28	22 55	0 37	20 39	0 4	14 10	1 49	24 42	13 43	23 23	23 26	22 52	18 20	5 3
T 17	20 22	24 34	1 7	21 25	1 46	21 49	1 29	17 57	0 51	6 6	1 29	22 55	0 37	20 39	0 4	14 10	1 49	24 42	13 43	23 23	23 26	22 52	18 19	5 4
W18	20 10	23 3	0s12	20 56	1 47	21 56	1 26	18 7	0 50	6 7	1 29	22 55	0 37	20 39	0 4	14 11	1 49	24 43	13 43	23 23	23 27	22 53	18 18	5 4
T 19	19 57	20 3	1 30	20 26	1 47	22 2	1 23	18 18	0 50	6 9	1 29	22 55	0 37	20 39	0 4	14 11	1 49	24 43	13 43	23 23	23 27	22 54	18 18	5 4
F 20	19 45	15 52	2 41	19 55	1 46	22 8	1 20	18 28	0 49	6 10	1 29	22 55	0 37	20 39	0 4	14 11	1 49	24 44	13 43	23 23	23 27	22 55	18 17	5 4
S 21	19 31	10 55	3 41	19 22	1 45	22 13	1 17	18 38	0 48	6 12	1 30	22 55	0 37	20 39	0 4	14 11	1 49	24 45	13 44	23 24	23 27	22 56	18 17	5 5
S 22	19 18	5 34	4 27	18 48	1 43	22 18	1 14	18 48	0 47	6 14	1 30	22 54	0 37	20 38	0 4	14 11	1 49	24 45	13 44	23 24	23 27	22 57	18 16	5 5
M23	19 4	0 6	4 57	18 12	1 40	22 22	1 11	18 57	0 47	6 15	1 30	22 54	0 37	20 38	0 4	14 11	1 49	24 46	13 44	23 24	23 27	22 57	18 16	5 5
T 24	18 50	5s13	5 12	17 36	1 37	22 26	1 8	19 7	0 46	6 17	1 31	22 54	0 37	20 38	0 4	14 11	1 49	24 46	13 44	23 24	23 27	22 58	18 15	5 5
W25	18 35	10 11	5 10	16 59	1 34	22 29	1 5	19 16	0 45	6 19	1 31	22 54	0 36	20 38	0 4	14 12	1 49	24 47	13 44	23 24	23 27	22 59	18 14	5 6
T 26	18 20	14 38	4 55	16 20	1 30	22 31	1 2	19 25	0 44	6 21	1 31	22 54	0 36	20 38	0 4	14 12	1 49	24 47	13 44	23 24	23 28	23 0	18 14	5 6
F 27	18 5	18 25	4 27	15 41	1 25	22 33	0 58	19 34	0 43	6 23	1 31	22 54	0 36	20 38	0 4	14 12	1 49	24 48	13 45	23 25	23 28	23 1	18 13	5 6
S 28	17 50	21 26	3 47	15 2	1 21	22 34	0 55	19 43	0 42	6 25	1 32	22 54	0 36	20 38	0 4	14 12	1 50	24 49	13 45	23 25	23 28	23 1	18 12	5 7
S 29	17 34	23 31	2 58	14 22	1 15	22 34	0 52	19 52	0 42	6 27	1 32	22 53	0 36	20 38	0 3	14 12	1 50	24 49	13 45	23 24	23 28	23 2	18 12	5 7
M30	17 18	24 33	2 2	13 41	1 10	22 34	0 49	20 0	0 41	6 30	1 32	22 53	0 36	20 38	0 3	14 12	1 50	24 50	13 45	23 24	23 28	23 3	18 11	5 7
T 31	17n 2	24s28	0s59	13n 0	1n 4	22n33	0s46	20n 9	0s40	6s32	1s32	22n53	0s36	20s38	0n 3	14n12	1s50	24s50	13s45	23s24	23s28	23s 4	18n11	5s 7

Julian Day Number = 2108769.5, Delta T = 19m57s
Ecliptic obliquity = 23°33'40, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°39'29, Lahiri = 10°46'29 Julian Calendar 1 July 1061 == Greg. Calendar 7 July 1061

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1061
geocentric

AUGUST 1061 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 1 11	13♌51'18	7♉38	0♍21	9♋20	3♊17	17°R 2	4♋33	2°R 5	13♉25	28°R37	6°R25	4♉51	29♏38	8♋33	W 1
T 2	21 5 7	14°49'06	20° 0	2° 1	10°32	3°55	16♓56	4°39	2♐ 5	13°26	28♒35	6♉25	4°47	29°44	8°38	T 2
F 3	21 9 4	15°46'54	2♒39	3°39	11°43	4°32	16°50	4°46	2° 4	13°26	28°34	6°22	4°44	29°51	8°44	F 3
S 4	21 13 0	16°44'44	15°34	5°16	12°54	5° 9	16°45	4°52	2° 4	13°26	28°33	6°17	4°41	29°58	8°49	S 4
S 5	21 16 57	17°42'36	28°47	6°51	14° 5	5°47	16°39	4°59	2°D 4	13°26	28°32	6°11	4°38	0♐ 4	8°55	S 5
M 6	21 20 53	18°40'29	12♓15	8°25	15°17	6°24	16°32	5° 5	2° 4	13°27	28°31	6° 5	4°35	0°11	9° 0	M 6
T 7	21 24 50	19°38'24	25°57	9°58	16°28	7° 1	16°26	5°12	2° 4	13°27	28°29	5°58	4°31	0°18	9° 5	T 7
W 8	21 28 47	20°36'21	9♈49	11°30	17°40	7°37	16°20	5°18	2° 5	13°27	28°28	5°51	4°28	0°24	9°11	W 8
T 9	21 32 43	21°34'20	23°49	13° 0	18°51	8°14	16°13	5°24	2° 5	13°27	28°27	5°47	4°25	0°31	9°16	T 9
F 10	21 36 40	22°32'20	7♉54	14°28	20° 3	8°50	16° 7	5°30	2° 5	13°27	28°26	5°44	4°22	0°38	9°21	F 10
S 11	21 40 36	23°30'23	22° 3	15°56	21°15	9°27	16° 0	5°36	2° 5	13°R27	28°24	5°D43	4°19	0°44	9°26	S 11
S 12	21 44 33	24°28'27	6♊13	17°22	22°27	10° 3	15°53	5°43	2° 6	13°27	28°23	5°43	4°16	0°51	9°31	S 12
M13	21 48 29	25°26'34	20°22	18°46	23°39	10°39	15°46	5°49	2° 6	13°27	28°22	5°44	4°12	0°58	9°36	M13
T 14	21 52 26	26°24'43	4♋30	20° 9	24°51	11°15	15°39	5°54	2° 6	13°27	28°21	5°R45	4° 9	1° 4	9°41	T 14
W15	21 56 22	27°22'54	18°34	21°31	26° 3	11°50	15°32	6° 0	2° 7	13°27	28°19	5°44	4° 6	1°11	9°46	W15
T 16	22 0 19	28°21'06	2♌32	22°51	27°15	12°26	15°25	6° 6	2° 7	13°27	28°18	5°41	4° 3	1°18	9°51	T 16
F 17	22 4 16	29°19'21	16°21	24°10	28°27	13° 1	15°17	6°12	2° 8	13°26	28°17	5°36	4° 0	1°24	9°56	F 17
S 18	22 8 12	0♍17'37	29°57	25°27	29°40	13°37	15°10	6°18	2° 9	13°26	28°16	5°29	3°56	1°31	10° 1	S 18
S 19	22 12 9	1°15'55	13♍18	26°42	0♌52	14°12	15° 2	6°23	2° 9	13°26	28°14	5°20	3°53	1°38	10° 5	S 19
M20	22 16 5	2°14'15	26°22	27°56	2° 5	14°46	14°55	6°29	2°10	13°26	28°13	5°10	3°50	1°44	10°10	M20
T 21	22 20 2	3°12'37	9♎ 8	29° 8	3°17	15°21	14°47	6°34	2°11	13°25	28°12	5° 0	3°47	1°51	10°15	T 21
W22	22 23 58	4°11'00	21°37	0♎18	4°30	15°55	14°39	6°40	2°12	13°25	28°10	4°51	3°44	1°58	10°19	W22
T 23	22 27 55	5° 9'25	3♏49	1°26	5°42	16°30	14°32	6°45	2°12	13°25	28° 9	4°44	3°41	2° 4	10°24	T 23
F 24	22 31 51	6° 7'52	15°50	2°32	6°55	17° 4	14°24	6°50	2°13	13°24	28° 8	4°40	3°37	2°11	10°28	F 24
S 25	22 35 48	7° 6'20	27°42	3°36	8° 8	17°38	14°16	6°55	2°14	13°24	28° 7	4°38	3°34	2°18	10°33	S 25
S 26	22 39 44	8° 4'51	9♐32	4°37	9°21	18°11	14° 8	7° 0	2°15	13°23	28° 6	4°D37	3°31	2°24	10°37	S 26
M27	22 43 41	9° 3'22	21°23	5°36	10°34	18°45	14° 0	7° 5	2°16	13°23	28° 4	4°38	3°28	2°31	10°41	M27
T 28	22 47 38	10° 1'56	3♑22	6°33	11°47	19°18	13°52	7°10	2°18	13°22	28° 3	4°R38	3°25	2°38	10°45	T 28
W29	22 51 34	11° 0'31	15°33	7°26	13° 0	19°51	13°44	7°15	2°19	13°22	28° 2	4°38	3°22	2°44	10°49	W29
T 30	22 55 31	11°59'08	28° 2	8°16	14°13	20°24	13°36	7°20	2°20	13°21	28° 1	4°35	3°18	2°51	10°53	T 30
F 31	22 59 27	12♍57'47	10♒51	9♎ 3	15♌26	20♊57	13♓28	7♋25	2♐21	13♉20	27♒59	4♑30	3♑15	2♐58	10♋57	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	16n45	23s14	0n 7	12n18	0n58	22n32	0s42	20n17	0s39	6s34	1s33	22n53	0s36	20s38	0n 3	14n12	1s50	24s51	13s45	23s24	23s28	23s 4	18n10	5s 8	
T 2	16 28	20 51	1 13	11 37	0 52	22 30	0 39	20 25	0 38	6 37	1 33	22 53	0 36	20 38	0 3	14 12	1 50	24 51	13 45	23 24	23 28	23 5	18 9	5 8	
F 3	16 11	17 26	2 18	10 55	0 45	22 27	0 36	20 33	0 37	6 39	1 33	22 52	0 36	20 38	0 3	14 12	1 50	24 52	13 46	23 24	23 29	23 6	18 9	5 8	
S 4	15 54	13 7	3 16	10 13	0 38	22 23	0 33	20 40	0 36	6 42	1 33	22 52	0 36	20 38	0 3	14 12	1 50	24 52	13 46	23 25	23 29	23 7	18 8	5 9	
S 5	15 36	8 7	4 6	9 31	0 31	22 19	0 29	20 48	0 35	6 44	1 34	22 52	0 36	20 38	0 3	14 12	1 50	24 53	13 46	23 25	23 29	23 7	18 7	5 9	
M 6	15 18	2 39	4 43	8 49	0 23	22 15	0 26	20 55	0 34	6 47	1 34	22 52	0 36	20 38	0 3	14 12	1 50	24 53	13 46	23 25	23 29	23 8	18 6	5 9	
T 7	15 0	3n 1	5 4	8 7	0 16	22 10	0 23	21 2	0 33	6 49	1 34	22 52	0 36	20 38	0 3	14 12	1 50	24 54	13 46	23 26	23 29	23 9	18 6	5 10	
W 8	14 42	8 37	5 8	7 25	0 8	22 4	0 20	21 9	0 33	6 52	1 34	22 52	0 36	20 38	0 3	14 12	1 50	24 55	13 46	23 26	23 29	23 10	18 5	5 10	
T 9	14 23	13 50	4 54	6 43	0 0	21 57	0 17	21 16	0 32	6 55	1 34	22 51	0 36	20 38	0 3	14 12	1 50	24 55	13 46	23 26	23 29	23 10	18 4	5 11	
F 10	14 4	18 20	4 22	6 1	0s 8	21 50	0 14	21 23	0 31	6 57	1 35	22 51	0 36	20 38	0 3	14 12	1 50	24 56	13 46	23 26	23 29	23 11	18 4	5 11	
S 11	13 45	21 48	3 34	5 20	0 16	21 42	0 10	21 29	0 30	7 0	1 35	22 51	0 36	20 38	0 3	14 12	1 50	24 56	13 46	23 26	23 29	23 12	18 3	5 11	
S 12	13 26	23 57	2 32	4 39	0 24	21 34	0 7	21 36	0 29	7 3	1 35	22 51	0 36	20 38	0 3	14 12	1 50	24 57	13 46	23 26	23 30	23 12	18 2	5 12	
M13	13 6	24 34	1 22	3 58	0 33	21 25	0 4	21 42	0 28	7 6	1 35	22 50	0 36	20 38	0 3	14 12	1 50	24 57	13 46	23 26	23 30	23 13	18 1	5 12	
T 14	12 47	23 36	0 7	3 17	0 41	21 15	0 1	21 48	0 27	7 9	1 35	22 50	0 36	20 38	0 3	14 12	1 51	24 58	13 46	23 26	23 30	23 14	18 1	5 13	
W15	12 27	21 8	1s 8	2 37	0 50	21 5	0n 2	21 54	0 26	7 12	1 36	22 50	0 35	20 38	0 3	14 12	1 51	24 58	13 46	23 26	23 30	23 14	18 0	5 13	
T 16	12 6	17 26	2 19	1 57	0 58	20 54	0 5	22 0	0 25	7 15	1 36	22 50	0 35	20 38	0 3	14 12	1 51	24 59	13 47	23 26	23 30	23 15	17 59	5 13	
F 17	11 46	12 50	3 20	1 18	1 7	20 42	0 8	22 5	0 24	7 18	1 36	22 50	0 35	20 38	0 3	14 12	1 51	24 59	13 47	23 27	23 30	23 16	17 58	5 14	
S 18	11 26	7 40	4 9	0 40	1 16	20 30	0 11	22 11	0 22	7 21	1 36	22 49	0 35	20 39	0 3	14 11	1 51	25 0	13 47	23 27	23 30	23 16	17 58	5 14	
S 19	11 5	2 14	4 43	0 2	1 24	20 18	0 14	22 16	0 21	7 24	1 36	22 49	0 35	20 39	0 3	14 11	1 51	25 0	13 47	23 27	23 30	23 17	17 57	5 15	
M20	10 44	3s 9	5 1	0s36	1 33	20 4	0 17	22 21	0 20	7 27	1 36	22 49	0 35	20 39	0 3	14 11	1 51	25 1	13 47	23 28	23 30	23 18	17 56	5 15	
T 21	10 23	8 17	5 4	1 12	1 42	19 50	0 20	22 26	0 19	7 30	1 36	22 49	0 35	20 39	0 3	14 11	1 51	25 1	13 47	23 28	23 30	23 18	17 55	5 15	
W22	10 1	12 58	4 52	1 48	1 50	19 36	0 22	22 31	0 18	7 33	1 37	22 48	0 35	20 39	0 3	14 11	1 51	25 1	13 47	23 28	23 30	23 19	17 54	5 16	
T 23	9 40	17 2	4 27	2 23	1 59	19 21	0 25	22 35	0 17	7 36	1 37	22 48	0 35	20 39	0 3	14 11	1 51	25 2	13 47	23 29	23 31	23 20	17 54	5 16	
F 24	9 19	20 20	3 50	2 58	2 7	19 5	0 28	22 40	0 16	7 40	1 37	22 48	0 35	20 40	0 3	14 11	1 51	25 2	13 47	23 29	23 31	23 20	17 53	5 17	
S 25	8 57	22 44	3 4	3 31	2 16	18 49	0 31	22 44	0 15	7 43	1 37	22 48	0 35	20 40	0 3	14 10	1 51	25 3	13 47	23 29	23 31	23 21	17 52	5 17	
S 26	8 35	24 8	2 10	4 3	2 24	18 33	0 33	22 48	0 14	7 46	1 37	22 47	0 35	20 40	0 3	14 10	1 51	25 3	13 47	23 29	23 31	23 21	17 51	5 18	
M27	8 13	24 27	1 10	4 34	2 32	18 15	0 36	22 52	0 12	7 49	1 37	22 47	0 35	20 40	0 3	14 10	1 51	25 4	13 47	23 29	23 31	23 22	17 51	5 18	
T 28	7 51	23 38	0 7	5 3	2 40	17 58	0 39	22 56	0 11	7 52	1 37	22 47	0 35	20 40	0 3	14 10	1 51	25 4	13 47	23 29	23 31	23 23	17 50	5 19	
W29	7 28	21 41	0n58	5 32	2 48	17 39	0 41	23 0	0 10	7 55	1 37	22 47	0 35	20 41	0 3	14 10	1 51	25 5	13 46	23 29	23 31	23 23	17 49	5 19	
T 30	7 6	18 41	2 1	5 59	2 55	17 21	0 44	23 4	0 9	7 58	1 37	22 47	0 35	20 41	0 3	14 9	1 51	25 5	13 46	23 29	23 31	23 24	17 48	5 20	
F 31	6n44	14s43	3n 0	6s24	3s 2	17n 1	0n46	23n 7	0s 8	8s 2	1s37	22n46	0s35	20s41	0n 3	14n 9	1s52	25s 5	13s46	23s29	23s31	23s24	17n47	5s20	

Julian Day Number = 2108800.5, Delta T = 19m57s
Ecliptic obliquity = 23°33'40, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°39'33, Lahiri = 10°46'33 Julian Calendar 1 Aug. 1061 == Greg. Calendar 7 Aug. 1061

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1061
geocentric

SEPTEMBER 1061 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 3 24	13♍56'28	24♒ 2	9♎47	16♌39	21♊29	13°R20	7♋29	2♐23	13°R20	27°R58	4°R23	3♑12	3♐ 4	11♋ 1	S 1
S 2	23 7 20	14°55'10	7♓35	10°26	17°53	22° 2	13♓12	7°34	2°24	13♉19	27♒57	4♑13	3° 9	3°11	11° 5	S 2
M 3	23 11 17	15°53'54	21°28	11° 2	19° 6	22°34	13° 4	7°38	2°25	13°18	27°56	4° 2	3° 6	3°18	11° 9	M 3
T 4	23 15 13	16°52'41	5♈37	11°33	20°19	23° 6	12°56	7°43	2°27	13°18	27°55	3°51	3° 2	3°24	11°13	T 4
W 5	23 19 10	17°51'29	19°57	11°59	21°33	23°37	12°48	7°47	2°28	13°17	27°53	3°41	2°59	3°31	11°16	W 5
T 6	23 23 7	18°50'20	4♉21	12°19	22°46	24° 9	12°40	7°51	2°30	13°16	27°52	3°32	2°56	3°38	11°20	T 6
F 7	23 27 3	19°49'13	18°44	12°34	24° 0	24°40	12°32	7°55	2°32	13°15	27°51	3°27	2°53	3°44	11°24	F 7
S 8	23 31 0	20°48'09	3♊ 2	12°43	25°14	25°11	12°24	7°59	2°33	13°14	27°50	3°24	2°50	3°51	11°27	S 8
S 9	23 34 56	21°47'07	17°12	12°R46	26°27	25°41	12°17	8° 3	2°35	13°13	27°49	3°D23	2°47	3°58	11°30	S 9
M10	23 38 53	22°46'07	1♋14	12°42	27°41	26°12	12° 9	8° 7	2°37	13°13	27°48	3°R23	2°43	4° 4	11°34	M10
T 11	23 42 49	23°45'10	15° 6	12°30	28°55	26°42	12° 1	8°11	2°39	13°12	27°47	3°22	2°40	4°11	11°37	T 11
W12	23 46 46	24°44'15	28°49	12°11	0♍ 9	27°12	11°53	8°14	2°41	13°11	27°46	3°21	2°37	4°18	11°40	W12
T 13	23 50 42	25°43'22	12♌23	11°44	1°23	27°42	11°46	8°18	2°42	13°10	27°44	3°16	2°34	4°24	11°43	T 13
F 14	23 54 39	26°42'32	25°47	11°10	2°37	28°11	11°38	8°21	2°44	13° 9	27°43	3° 9	2°31	4°31	11°46	F 14
S 15	23 58 36	27°41'43	9♍ 1	10°27	3°51	28°40	11°31	8°25	2°46	13° 8	27°42	2°58	2°28	4°38	11°49	S 15
S 16	0 2 32	28°40'57	22° 2	9°38	5° 5	29° 9	11°24	8°28	2°48	13° 6	27°41	2°46	2°24	4°44	11°52	S 16
M17	0 6 29	29°40'13	4♎50	8°41	6°19	29°37	11°16	8°31	2°50	13° 5	27°40	2°32	2°21	4°51	11°55	M17
T 18	0 10 25	0♎39'31	17°24	7°39	7°33	0♋ 6	11° 9	8°34	2°53	13° 4	27°39	2°19	2°18	4°58	11°57	T 18
W19	0 14 22	1°38'52	29°45	6°32	8°48	0°34	11° 2	8°37	2°55	13° 3	27°38	2° 6	2°15	5° 4	12° 0	W19
T 20	0 18 18	2°38'14	11♏52	5°22	10° 2	1° 1	10°55	8°40	2°57	13° 2	27°37	1°56	2°12	5°11	12° 3	T 20
F 21	0 22 15	3°37'38	23°49	4°10	11°16	1°28	10°48	8°43	2°59	13° 1	27°36	1°49	2° 8	5°18	12° 5	F 21
S 22	0 26 11	4°37'04	5♐40	2°59	12°31	1°55	10°42	8°45	3° 1	12°59	27°35	1°45	2° 5	5°24	12° 7	S 22
S 23	0 30 8	5°36'31	17°27	1°50	13°45	2°22	10°35	8°48	3° 4	12°58	27°34	1°42	2° 2	5°31	12°10	S 23
M24	0 34 5	6°36'01	29°16	0°46	14°59	2°49	10°29	8°50	3° 6	12°57	27°33	1°42	1°59	5°38	12°12	M24
T 25	0 38 1	7°35'33	11♑13	29♏48	16°14	3°15	10°22	8°53	3° 9	12°56	27°32	1°42	1°56	5°44	12°14	T 25
W26	0 41 58	8°35'06	23°23	28°58	17°28	3°40	10°16	8°55	3°11	12°54	27°32	1°41	1°53	5°51	12°16	W26
T 27	0 45 54	9°34'41	5♒51	28°18	18°43	4° 6	10°10	8°57	3°14	12°53	27°31	1°39	1°49	5°58	12°18	T 27
F 28	0 49 51	10°34'18	18°43	27°48	19°58	4°31	10° 4	8°59	3°16	12°52	27°30	1°34	1°46	6° 4	12°20	F 28
S 29	0 53 47	11°33'56	2♓ 0	27°29	21°12	4°55	9°59	9° 1	3°19	12°50	27°29	1°27	1°43	6°11	12°21	S 29
S 30	0 57 44	12♎33'37	15♓45	27°D21	22♍27	5♋19	9♓53	9♋ 3	3♐21	12♉49	27♒28	1♑17	1♑40	6♐17	12♋23	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n21	9s57	3n51	6s47	3s 9	16n42	0n48	23n11	0s 6	8s 5	1s37	22n46	0s35	20s42	0n 3	14n 9	1s52	25s 6	13s46	23s29	23s31	23s25	17n47	5s21
S 2	5 58	4 35	4 30	7 9	3 15	16 21	0 51	23 14	0 5	8 8	1 37	22 46	0 35	20 42	0 3	14 9	1 52	25 6	13 46	23 30	23 31	23 26	17 46	5 21
M 3	5 35	1n 7	4 54	7 28	3 21	16 1	0 53	23 17	0 4	8 11	1 37	22 46	0 35	20 42	0 3	14 8	1 52	25 6	13 46	23 30	23 31	23 26	17 45	5 22
T 4	5 12	6 51	5 1	7 45	3 27	15 39	0 55	23 20	0 3	8 14	1 37	22 45	0 35	20 42	0 3	14 8	1 52	25 7	13 46	23 30	23 32	23 27	17 44	5 22
W 5	4 49	12 18	4 50	8 0	3 32	15 18	0 57	23 23	0 1	8 17	1 37	22 45	0 35	20 43	0 3	14 8	1 52	25 7	13 46	23 31	23 32	23 27	17 43	5 23
T 6	4 26	17 6	4 20	8 12	3 36	14 56	0 59	23 26	0 0	8 20	1 37	22 45	0 35	20 43	0 3	14 7	1 52	25 7	13 46	23 31	23 32	23 28	17 43	5 23
F 7	4 3	20 54	3 33	8 21	3 39	14 33	1 1	23 28	0n 1	8 23	1 37	22 45	0 35	20 43	0 3	14 7	1 52	25 8	13 46	23 31	23 32	23 28	17 42	5 24
S 8	3 40	23 23	2 33	8 27	3 42	14 10	1 3	23 31	0 3	8 26	1 37	22 45	0 35	20 44	0 3	14 7	1 52	25 8	13 46	23 31	23 32	23 29	17 41	5 24
S 9	3 16	24 21	1 25	8 29	3 43	13 47	1 5	23 33	0 4	8 29	1 37	22 44	0 35	20 44	0 3	14 6	1 52	25 8	13 46	23 31	23 32	23 29	17 40	5 25
M10	2 53	23 45	0 11	8 28	3 43	13 23	1 7	23 36	0 5	8 32	1 37	22 44	0 35	20 44	0 3	14 6	1 52	25 9	13 46	23 31	23 32	23 30	17 39	5 25
T 11	2 30	21 41	1s 2	8 23	3 43	12 59	1 9	23 38	0 7	8 35	1 37	22 44	0 34	20 45	0 3	14 6	1 52	25 9	13 45	23 31	23 32	23 30	17 38	5 26
W12	2 6	18 22	2 10	8 13	3 40	12 35	1 11	23 40	0 8	8 38	1 37	22 44	0 34	20 45	0 3	14 6	1 52	25 9	13 45	23 31	23 32	23 31	17 38	5 26
T 13	1 43	14 7	3 11	7 59	3 36	12 10	1 12	23 42	0 9	8 41	1 37	22 44	0 34	20 46	0 3	14 5	1 52	25 10	13 45	23 31	23 32	23 31	17 37	5 27
F 14	1 19	9 14	3 59	7 40	3 31	11 45	1 14	23 44	0 11	8 44	1 37	22 43	0 34	20 46	0 3	14 5	1 52	25 10	13 45	23 31	23 32	23 32	17 36	5 27
S 15	0 55	3 59	4 35	7 17	3 24	11 19	1 16	23 46	0 12	8 47	1 37	22 43	0 34	20 46	0 3	14 4	1 52	25 10	13 45	23 32	23 32	23 32	17 35	5 28
S 16	0 32	1s20	4 55	6 49	3 15	10 53	1 17	23 47	0 14	8 49	1 37	22 43	0 34	20 47	0 3	14 4	1 52	25 10	13 45	23 32	23 32	23 33	17 34	5 28
M17	0 8	6 31	5 0	6 16	3 4	10 27	1 18	23 49	0 15	8 52	1 37	22 43	0 34	20 47	0 3	14 4	1 52	25 11	13 45	23 32	23 32	23 33	17 34	5 29
T 18	0s16	11 19	4 50	5 40	2 51	10 1	1 20	23 50	0 17	8 55	1 37	22 43	0 34	20 48	0 3	14 3	1 52	25 11	13 45	23 32	23 32	23 34	17 33	5 30
W19	0 40	15 35	4 26	4 59	2 36	9 34	1 21	23 52	0 18	8 57	1 37	22 43	0 34	20 48	0 3	14 3	1 52	25 11	13 44	23 33	23 33	23 34	17 32	5 30
T 20	1 3	19 8	3 51	4 16	2 19	9 7	1 22	23 53	0 20	9 0	1 37	22 42	0 34	20 48	0 3	14 3	1 52	25 11	13 44	23 33	23 33	23 35	17 31	5 31
F 21	1 27	21 50	3 6	3 31	2 2	8 39	1 23	23 54	0 21	9 2	1 37	22 42	0 34	20 49	0 3	14 2	1 53	25 12	13 44	23 33	23 33	23 35	17 31	5 31
S 22	1 51	23 33	2 13	2 45	1 42	8 12	1 24	23 56	0 23	9 5	1 36	22 42	0 34	20 49	0 3	14 2	1 53	25 12	13 44	23 33	23 33	23 35	17 30	5 32
S 23	2 14	24 12	1 15	1 59	1 22	7 44	1 25	23 57	0 24	9 7	1 36	22 42	0 34	20 50	0 3	14 1	1 53	25 12	13 44	23 33	23 33	23 36	17 29	5 32
M24	2 38	23 46	0 13	1 15	1 2	7 16	1 26	23 58	0 26	9 9	1 36	22 42	0 34	20 50	0 3	14 1	1 53	25 12	13 44	23 33	23 33	23 36	17 28	5 33
T 25	3 2	22 15	0n50	0 33	0 41	6 48	1 27	23 59	0 28	9 12	1 36	22 42	0 34	20 51	0 3	14 0	1 53	25 12	13 43	23 33	23 33	23 37	17 27	5 34
W26	3 25	19 41	1 52	0n 6	0 21	6 19	1 28	24 0	0 29	9 14	1 36	22 42	0 34	20 51	0 3	14 0	1 53	25 12	13 43	23 33	23 33	23 37	17 27	5 34
T 27	3 49	16 9	2 50	0 40	0 1	5 51	1 29	24 1	0 31	9 16	1 36	22 42	0 34	20 52	0 3	14 0	1 53	25 13	13 43	23 33	23 33	23 38	17 26	5 35
F 28	4 12	11 47	3 42	1 9	0n17	5 22	1 29	24 2	0 33	9 18	1 36	22 41	0 34	20 52	0 3	13 59	1 53	25 13	13 43	23 33	23 33	23 38	17 25	5 35
S 29	4 36	6 43	4 23	1 32	0 35	4 53	1 30	24 2	0 34	9 20	1 35	22 41	0 34	20 53	0 3	13 59	1 53	25 13	13 43	23 33	23 33	23 38	17 24	5 36
S 30	4s59	1s11	4n50	1n50	0n51	4n24	1n30	24n 3	0n36	9s22	1s35	22n41	0s34	20s53	0n 3	13n58	1s53	25s13	13s42	23s33	23s33	23s39	17n24	5s37

Julian Day Number = 2108831.5, Delta T = 19m56s
Ecliptic obliquity = 23°33'40, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°39'37, Lahiri = 10°46'38 Julian Calendar 1 Sept. 1061 == Greg. Calendar 7 Sept. 1061

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1061
geocentric

OCTOBER 1061 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 1 40	13♎33'19	29♓55	27♍24	23♍42	5♋43	9°R48	9♋ 4	3♐24	12°R47	27°R27	1°R 6	1♑37	6♐24	12♋25	M 1
T 2	1 5 37	14°33'03	14♈25	27°38	24°56	6° 7	9♓42	9° 6	3°27	12♉46	27♒26	0♑54	1°33	6°31	12°26	T 2
W 3	1 9 33	15°32'49	29°10	28° 3	26°11	6°30	9°37	9° 7	3°29	12°44	27°26	0°43	1°30	6°37	12°28	W 3
T 4	1 13 30	16°32'38	14♉ 0	28°37	27°26	6°53	9°32	9° 9	3°32	12°43	27°25	0°35	1°27	6°44	12°29	T 4
F 5	1 17 27	17°32'28	28°48	29°20	28°41	7°15	9°28	9°10	3°35	12°41	27°24	0°29	1°24	6°51	12°30	F 5
S 6	1 21 23	18°32'21	13♊26	0♎11	29°56	7°37	9°23	9°11	3°38	12°40	27°24	0°26	1°21	6°57	12°31	S 6
S 7	1 25 20	19°32'16	27°49	1° 9	1♎10	7°58	9°19	9°12	3°40	12°38	27°23	0°D25	1°18	7° 4	12°32	S 7
M 8	1 29 16	20°32'13	11♋56	2°13	2°25	8°19	9°14	9°13	3°43	12°37	27°22	0°25	1°14	7°11	12°33	M 8
T 9	1 33 13	21°32'13	25°46	3°23	3°40	8°40	9°10	9°14	3°46	12°35	27°22	0°R25	1°11	7°17	12°34	T 9
W10	1 37 9	22°32'15	9♌20	4°38	4°55	9° 0	9° 7	9°14	3°49	12°34	27°21	0°24	1° 8	7°24	12°35	W10
T 11	1 41 6	23°32'19	22°38	5°57	6°10	9°20	9° 3	9°15	3°52	12°32	27°20	0°20	1° 5	7°31	12°36	T 11
F 12	1 45 2	24°32'25	5♍43	7°19	7°25	9°39	8°59	9°16	3°55	12°31	27°20	0°14	1° 2	7°37	12°36	F 12
S 13	1 48 59	25°32'33	18°36	8°45	8°41	9°58	8°56	9°16	3°58	12°29	27°19	0° 5	0°59	7°44	12°37	S 13
S 14	1 52 56	26°32'43	1♎17	10°13	9°56	10°16	8°53	9°16	4° 1	12°27	27°19	29♐54	0°55	7°51	12°37	S 14
M15	1 56 52	27°32'55	13°47	11°42	11°11	10°34	8°50	9°16	4° 4	12°26	27°18	29°42	0°52	7°57	12°37	M15
T 16	2 0 49	28°33'09	26° 6	13°14	12°26	10°51	8°47	9°R16	4° 8	12°24	27°18	29°30	0°49	8° 4	12°38	T 16
W17	2 4 45	29°33'25	8♏15	14°46	13°41	11° 7	8°45	9°16	4°11	12°23	27°17	29°20	0°46	8°11	12°38	W17
T 18	2 8 42	0♏33'43	20°15	16°20	14°56	11°24	8°43	9°16	4°14	12°21	27°17	29°11	0°43	8°17	12°R38	T 18
F 19	2 12 38	1°34'02	2♐ 8	17°55	16°12	11°39	8°40	9°16	4°17	12°19	27°16	29° 4	0°39	8°24	12°38	F 19
S 20	2 16 35	2°34'23	13°55	19°30	17°27	11°54	8°39	9°15	4°20	12°18	27°16	29° 1	0°36	8°31	12°37	S 20
S 21	2 20 31	3°34'46	25°41	21° 6	18°42	12° 9	8°37	9°15	4°24	12°16	27°15	28°D59	0°33	8°37	12°37	S 21
M22	2 24 28	4°35'10	7♑29	22°42	19°57	12°22	8°35	9°14	4°27	12°14	27°15	29° 0	0°30	8°44	12°37	M22
T 23	2 28 25	5°35'36	19°24	24°18	21°13	12°36	8°34	9°13	4°30	12°13	27°15	29° 1	0°27	8°51	12°36	T 23
W24	2 32 21	6°36'03	1♒31	25°55	22°28	12°48	8°33	9°12	4°33	12°11	27°14	29°R 2	0°24	8°57	12°36	W24
T 25	2 36 18	7°36'31	13°56	27°31	23°43	13° 0	8°32	9°11	4°37	12° 9	27°14	29° 1	0°20	9° 4	12°35	T 25
F 26	2 40 14	8°37'01	26°43	29° 8	24°58	13°12	8°32	9°10	4°40	12° 8	27°14	29° 0	0°17	9°11	12°35	F 26
S 27	2 44 11	9°37'32	9♓56	0♏44	26°14	13°22	8°31	9° 9	4°44	12° 6	27°14	28°56	0°14	9°17	12°34	S 27
S 28	2 48 7	10°38'04	23°39	2°21	27°29	13°32	8°31	9° 8	4°47	12° 4	27°13	28°50	0°11	9°24	12°33	S 28
M29	2 52 4	11°38'38	7♈51	3°57	28°45	13°42	8°D31	9° 6	4°50	12° 2	27°13	28°43	0° 8	9°31	12°32	M29
T 30	2 56 0	12°39'13	22°28	5°33	29°59	13°51	8°31	9° 5	4°54	12° 1	27°13	28°35	0° 4	9°37	12°31	T 30
W31	2 59 57	13♏39'49	7♉26	7♏ 9	1♏15	13♋59	8♓31	9♋ 3	4♐57	11♉59	27♒13	28♐28	0♑ 1	9♐44	12♋30	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s23	4n34	5n 1	2n 2	1n 5	3n54	1n31	24n 4	0n38	9s24	1s35	22n41	0s34	20s54	0n 3	13n58	1s53	25s13	13s42	23s33	23s33	23s39	17n23	5s37
T 2	5 46	10 13	4 53	2 8	1 18	3 25	1 31	24 5	0 40	9 26	1 35	22 41	0 34	20 54	0 3	13 57	1 53	25 13	13 42	23 33	23 33	23 39	17 22	5 38
W 3	6 9	15 22	4 25	2 9	1 29	2 55	1 31	24 5	0 41	9 28	1 35	22 41	0 34	20 55	0 3	13 57	1 53	25 13	13 42	23 34	23 33	23 40	17 21	5 38
T 4	6 32	19 37	3 40	2 4	1 39	2 26	1 32	24 6	0 43	9 29	1 35	22 41	0 34	20 55	0 3	13 56	1 53	25 13	13 42	23 34	23 33	23 40	17 21	5 39
F 5	6 55	22 35	2 39	1 54	1 47	1 56	1 32	24 7	0 45	9 31	1 34	22 41	0 34	20 56	0 3	13 56	1 53	25 13	13 41	23 34	23 33	23 40	17 20	5 40
S 6	7 18	24 0	1 29	1 40	1 54	1 26	1 32	24 7	0 47	9 33	1 34	22 41	0 34	20 56	0 3	13 55	1 53	25 13	13 41	23 34	23 33	23 41	17 19	5 40
S 7	7 41	23 46	0 14	1 22	1 59	0 56	1 32	24 8	0 49	9 34	1 34	22 41	0 34	20 57	0 3	13 55	1 53	25 13	13 41	23 34	23 33	23 41	17 19	5 41
M 8	8 4	22 1	1s 1	0 59	2 3	0 26	1 32	24 8	0 51	9 36	1 34	22 41	0 34	20 58	0 3	13 54	1 53	25 13	13 41	23 34	23 33	23 42	17 18	5 41
T 9	8 26	18 58	2 11	0 34	2 6	0s 4	1 32	24 9	0 52	9 37	1 34	22 41	0 34	20 58	0 3	13 54	1 53	25 13	13 40	23 34	23 33	23 42	17 17	5 42
W10	8 49	14 56	3 11	0 6	2 7	0 34	1 31	24 9	0 54	9 38	1 33	22 41	0 33	20 59	0 3	13 53	1 53	25 13	13 40	23 34	23 33	23 42	17 17	5 43
T 11	9 11	10 15	4 1	0s25	2 8	1 4	1 31	24 10	0 56	9 39	1 33	22 41	0 33	20 59	0 3	13 53	1 53	25 13	13 40	23 34	23 33	23 42	17 16	5 43
F 12	9 33	5 11	4 36	0 58	2 8	1 34	1 31	24 11	0 58	9 41	1 33	22 41	0 33	21 0	0 3	13 52	1 53	25 13	13 40	23 34	23 33	23 43	17 15	5 44
S 13	9 55	0s 1	4 57	1 33	2 6	2 5	1 30	24 11	1 0	9 42	1 33	22 41	0 33	21 0	0 3	13 52	1 53	25 13	13 39	23 34	23 33	23 43	17 15	5 44
S 14	10 17	5 8	5 3	2 9	2 5	2 35	1 30	24 12	1 2	9 43	1 33	22 41	0 33	21 1	0 3	13 51	1 53	25 13	13 39	23 34	23 33	23 43	17 14	5 45
M15	10 39	9 58	4 54	2 47	2 2	3 5	1 29	24 13	1 4	9 43	1 32	22 41	0 33	21 2	0 3	13 51	1 53	25 13	13 39	23 34	23 33	23 44	17 13	5 46
T 16	11 1	14 20	4 32	3 25	1 59	3 35	1 29	24 13	1 7	9 44	1 32	22 41	0 33	21 2	0 3	13 50	1 53	25 13	13 39	23 34	23 34	23 44	17 13	5 46
W17	11 22	18 4	3 57	4 5	1 55	4 5	1 28	24 14	1 9	9 45	1 32	22 41	0 33	21 3	0 3	13 50	1 53	25 13	13 38	23 34	23 34	23 44	17 12	5 47
T 18	11 44	20 59	3 12	4 45	1 51	4 35	1 27	24 15	1 11	9 46	1 32	22 41	0 33	21 3	0 3	13 49	1 53	25 13	13 38	23 34	23 34	23 45	17 12	5 47
F 19	12 5	22 58	2 19	5 25	1 47	5 4	1 26	24 16	1 13	9 46	1 31	22 41	0 33	21 4	0 3	13 49	1 53	25 13	13 38	23 33	23 34	23 45	17 11	5 48
S 20	12 26	23 55	1 20	6 6	1 42	5 34	1 25	24 16	1 15	9 47	1 31	22 41	0 33	21 5	0 3	13 48	1 53	25 13	13 38	23 33	23 34	23 45	17 10	5 49
S 21	12 46	23 47	0 18	6 47	1 36	6 4	1 24	24 17	1 17	9 47	1 31	22 41	0 33	21 5	0 3	13 48	1 53	25 13	13 37	23 33	23 34	23 45	17 10	5 49
M22	13 7	22 35	0n46	7 28	1 31	6 33	1 23	24 18	1 20	9 47	1 31	22 41	0 33	21 6	0 2	13 47	1 53	25 13	13 37	23 33	23 34	23 46	17 9	5 50
T 23	13 27	20 22	1 48	8 9	1 25	7 3	1 22	24 19	1 22	9 48	1 30	22 41	0 33	21 6	0 2	13 47	1 53	25 13	13 37	23 33	23 34	23 46	17 9	5 50
W24	13 47	17 13	2 46	8 50	1 19	7 32	1 21	24 20	1 24	9 48	1 30	22 42	0 33	21 7	0 2	13 46	1 53	25 12	13 36	23 33	23 34	23 46	17 8	5 51
T 25	14 7	13 15	3 38	9 31	1 13	8 1	1 20	24 22	1 27	9 48	1 30	22 42	0 33	21 8	0 2	13 46	1 53	25 12	13 36	23 33	23 34	23 46	17 8	5 52
F 26	14 27	8 35	4 21	10 11	1 7	8 30	1 19	24 23	1 29	9 48	1 30	22 42	0 33	21 8	0 2	13 45	1 53	25 12	13 36	23 33	23 34	23 46	17 7	5 52
S 27	14 46	3 23	4 52	10 51	1 0	8 58	1 18	24 24	1 31	9 48	1 29	22 42	0 33	21 9	0 2	13 45	1 53	25 12	13 36	23 33	23 34	23 47	17 7	5 53
S 28	15 5	2n10	5 7	11 30	0 54	9 27	1 16	24 25	1 34	9 48	1 29	22 42	0 33	21 10	0 2	13 44	1 53	25 12	13 35	23 33	23 34	23 47	17 6	5 53
M29	15 24	7 47	5 4	12 10	0 47	9 55	1 15	24 27	1 36	9 48	1 29	22 42	0 33	21 10	0 2	13 44	1 53	25 12	13 35	23 33	23 34	23 47	17 6	5 54
T 30	15 43	13 9	4 42	12 48	0 40	10 23	1 13	24 28	1 39	9 47	1 29	22 42	0 33	21 11	0 2	13 43	1 53	25 11	13 35	23 33	23 34	23 47	17 5	5 55
W31	16s 1	17n51	4n 0	13s26	0n34	10s51	1n12	24n30	1n41	9s47	1s28	22n43	0s33	21s12	0n 2	13n43	1s53	25s11	13s34	23s33	23s34	23s47	17n 5	5s55

Julian Day Number = 2108861.5, Delta T = 19m56s
Ecliptic obliquity = 23°33'40, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°39'41, Lahiri = 10°46'42 Julian Calendar 1 Oct. 1061 == Greg. Calendar 7 Oct. 1061

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1061
geocentric

NOVEMBER 1061 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 3 54	14♏40'27	22♉34	8♏45	2♏31	14♋ 6	8♓32	9°R 1	5♐ 1	11°R57	27°R13	28°R22	29♐58	9♐50	12°R28	T 1
F 2	3 7 50	15°41'06	7♊43	10°20	3°46	14°13	8°33	8♋59	5° 4	11♉56	27♒13	28♐27	29°55	9°57	12♋27	F 2
S 3	3 11 47	16°41'47	22°44	11°56	5° 2	14°19	8°34	8°57	5° 8	11°54	27°13	28°D17	29°52	10° 4	12°26	S 3
S 4	3 15 43	17°42'30	7♋28	13°31	6°17	14°24	8°35	8°55	5°11	11°52	27°13	28°17	29°49	10°10	12°24	S 4
M 5	3 19 40	18°43'14	21°51	15° 6	7°32	14°28	8°36	8°53	5°15	11°51	27°D13	28°19	29°45	10°17	12°22	M 5
T 6	3 23 36	19°44'00	5♌51	16°41	8°48	14°32	8°38	8°51	5°18	11°49	27°13	28°20	29°42	10°24	12°21	T 6
W 7	3 27 33	20°44'48	19°28	18°16	10° 3	14°35	8°40	8°48	5°22	11°47	27°13	28°R21	29°39	10°30	12°19	W 7
T 8	3 31 29	21°45'37	2♍43	19°50	11°19	14°37	8°42	8°46	5°26	11°46	27°13	28°20	29°36	10°37	12°17	T 8
F 9	3 35 26	22°46'27	15°40	21°25	12°34	14°39	8°44	8°43	5°29	11°44	27°13	28°18	29°33	10°44	12°15	F 9
S 10	3 39 23	23°47'19	28°19	23° 0	13°50	14°R39	8°46	8°41	5°33	11°42	27°13	28°14	29°30	10°50	12°13	S 10
S 11	3 43 19	24°48'12	10♎46	24°34	15° 5	14°39	8°49	8°38	5°36	11°41	27°13	28° 9	29°26	10°57	12°11	S 11
M12	3 47 16	25°49'07	23° 0	26° 8	16°21	14°38	8°52	8°35	5°40	11°39	27°13	28° 3	29°23	11° 4	12° 9	M12
T 13	3 51 12	26°50'03	5♏ 6	27°43	17°36	14°36	8°55	8°32	5°44	11°37	27°13	27°57	29°20	11°10	12° 6	T 13
W14	3 55 9	27°51'00	17° 4	29°17	18°52	14°33	8°58	8°29	5°47	11°36	27°14	27°51	29°17	11°17	12° 4	W14
T 15	3 59 5	28°51'58	28°57	0♐51	20° 7	14°29	9° 1	8°26	5°51	11°34	27°14	27°47	29°14	11°24	12° 2	T 15
F 16	4 3 2	29°52'58	10♐46	2°25	21°23	14°25	9° 5	8°22	5°54	11°32	27°14	27°44	29°10	11°30	11°59	F 16
S 17	4 6 58	0♐53'58	22°33	3°59	22°38	14°20	9° 9	8°19	5°58	11°31	27°14	27°D43	29° 7	11°37	11°57	S 17
S 18	4 10 55	1°54'59	4♑20	5°34	23°54	14°13	9°13	8°16	6° 2	11°29	27°15	27°43	29° 4	11°44	11°54	S 18
M19	4 14 52	2°56'01	16°11	7° 8	25°10	14° 6	9°17	8°12	6° 5	11°28	27°15	27°44	29° 1	11°50	11°51	M19
T 20	4 18 48	3°57'04	28° 8	8°42	26°25	13°59	9°21	8° 9	6° 9	11°26	27°16	27°46	28°58	11°57	11°48	T 20
W21	4 22 45	4°58'07	10♒16	10°16	27°41	13°50	9°26	8° 5	6°13	11°25	27°16	27°47	28°55	12° 4	11°45	W21
T 22	4 26 41	5°59'11	22°39	11°51	28°56	13°40	9°31	8° 1	6°16	11°23	27°16	27°49	28°51	12°10	11°42	T 22
F 23	4 30 38	7° 0'15	5♓22	13°25	0♐12	13°30	9°36	7°57	6°20	11°22	27°17	27°R49	28°48	12°17	11°39	F 23
S 24	4 34 34	8° 1'20	18°28	15° 0	1°27	13°19	9°41	7°53	6°24	11°20	27°17	27°49	28°45	12°24	11°36	S 24
S 25	4 38 31	9° 2'25	2♈ 0	16°35	2°43	13° 7	9°46	7°49	6°27	11°19	27°18	27°48	28°42	12°30	11°33	S 25
M26	4 42 27	10° 3'31	16° 0	18° 9	3°58	12°54	9°51	7°45	6°31	11°17	27°18	27°46	28°39	12°37	11°30	M26
T 27	4 46 24	11° 4'37	0♉28	19°44	5°14	12°40	9°57	7°41	6°35	11°16	27°19	27°43	28°36	12°43	11°27	T 27
W28	4 50 21	12° 5'43	15°19	21°19	6°29	12°26	10° 3	7°37	6°38	11°14	27°19	27°41	28°32	12°50	11°23	W28
T 29	4 54 17	13° 6'50	0♊27	22°54	7°45	12°11	10° 9	7°33	6°42	11°13	27°20	27°40	28°29	12°57	11°20	T 29
F 30	4 58 14	14♐ 7'57	15♊42	24♐29	9♐ 0	11♋55	10♓15	7♋29	6♐46	11♉12	27♒21	27♐39	28♐26	13♐ 3	11♋16	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	16s19	21n26	3n 1	14s 4	0n27	11s18	1n10	24n32	1n44	9s46	1s28	22n43	0s33	21s12	0n 2	13n42	1s53	25s11	13s34	23s33	23s34	23s48	17n 4	5s56	T 1
F 2	16 37	23 30	1 49	14 40	0 20	11 46	1 9	24 34	1 46	9 46	1 28	22 43	0 32	21 13	0 2	13 42	1 53	25 11	13 34	23 33	23 34	23 48	17 4	5 56	F 2
S 3	16 55	23 52	0 30	15 17	0 13	12 13	1 7	24 35	1 49	9 45	1 28	22 43	0 32	21 13	0 2	13 41	1 53	25 10	13 34	23 33	23 34	23 48	17 3	5 57	S 3
S 4	17 12	22 31	0s50	15 52	0 7	12 39	1 5	24 37	1 51	9 45	1 27	22 43	0 32	21 14	0 2	13 41	1 53	25 10	13 33	23 33	23 34	23 48	17 3	5 57	S 4
M 5	17 29	19 43	2 5	16 27	0s 0	13 6	1 4	24 40	1 54	9 44	1 27	22 43	0 32	21 15	0 2	13 40	1 53	25 10	13 33	23 33	23 34	23 48	17 2	5 58	M 5
T 6	17 46	15 50	3 10	17 1	0 7	13 32	1 2	24 42	1 57	9 43	1 27	22 44	0 32	21 15	0 2	13 40	1 53	25 10	13 33	23 33	23 34	23 48	17 2	5 59	T 6
W 7	18 2	11 12	4 3	17 34	0 13	13 58	1 0	24 44	1 59	9 42	1 27	22 44	0 32	21 16	0 2	13 39	1 53	25 9	13 32	23 33	23 34	23 49	17 2	5 59	W 7
T 8	18 18	6 11	4 41	18 6	0 20	14 23	0 58	24 47	2 2	9 41	1 26	22 44	0 32	21 17	0 2	13 39	1 53	25 9	13 32	23 33	23 34	23 49	17 1	6 0	T 8
F 9	18 34	1 0	5 4	18 38	0 26	14 48	0 56	24 49	2 5	9 40	1 26	22 44	0 32	21 17	0 2	13 38	1 53	25 9	13 32	23 33	23 34	23 49	17 1	6 0	F 9
S 10	18 49	4s 6	5 12	19 9	0 33	15 13	0 54	24 52	2 8	9 39	1 26	22 45	0 32	21 18	0 2	13 38	1 53	25 8	13 32	23 33	23 34	23 49	17 0	6 1	S 10
S 11	19 4	8 56	5 4	19 38	0 39	15 37	0 52	24 55	2 10	9 38	1 26	22 45	0 32	21 19	0 2	13 37	1 53	25 8	13 31	23 33	23 34	23 49	17 0	6 1	S 11
M12	19 19	13 22	4 43	20 7	0 45	16 1	0 50	24 57	2 13	9 36	1 25	22 45	0 32	21 19	0 2	13 37	1 53	25 8	13 31	23 33	23 34	23 49	17 0	6 2	M12
T 13	19 33	17 12	4 9	20 35	0 51	16 24	0 48	25 0	2 16	9 35	1 25	22 45	0 32	21 20	0 2	13 36	1 53	25 7	13 31	23 33	23 34	23 49	17 0	6 2	T 13
W14	19 47	20 17	3 25	21 2	0 57	16 47	0 46	25 3	2 19	9 33	1 25	22 46	0 32	21 21	0 2	13 36	1 53	25 7	13 30	23 33	23 34	23 49	16 59	6 3	W14
T 15	20 0	22 29	2 31	21 28	1 3	17 10	0 44	25 7	2 21	9 32	1 25	22 46	0 32	21 21	0 2	13 35	1 53	25 7	13 30	23 33	23 34	23 50	16 59	6 3	T 15
F 16	20 14	23 41	1 32	21 53	1 9	17 32	0 42	25 10	2 24	9 30	1 24	22 46	0 32	21 22	0 2	13 35	1 53	25 6	13 30	23 32	23 33	23 50	16 59	6 4	F 16
S 17	20 27	23 49	0 28	22 16	1 14	17 53	0 40	25 13	2 27	9 29	1 24	22 46	0 32	21 23	0 2	13 34	1 53	25 6	13 30	23 32	23 33	23 50	16 58	6 4	S 17
S 18	20 39	22 53	0n36	22 39	1 20	18 14	0 37	25 17	2 30	9 27	1 24	22 47	0 32	21 23	0 2	13 34	1 53	25 6	13 29	23 32	23 33	23 50	16 58	6 5	S 18
M19	20 51	20 55	1 40	23 0	1 25	18 35	0 35	25 20	2 33	9 25	1 24	22 47	0 31	21 24	0 2	13 33	1 53	25 5	13 29	23 32	23 33	23 50	16 58	6 5	M19
T 20	21 3	18 1	2 40	23 21	1 30	18 55	0 33	25 24	2 36	9 23	1 23	22 47	0 31	21 24	0 2	13 33	1 53	25 5	13 29	23 32	23 33	23 50	16 58	6 6	T 20
W21	21 14	14 19	3 34	23 40	1 35	19 15	0 31	25 28	2 38	9 21	1 23	22 48	0 31	21 25	0 2	13 33	1 53	25 4	13 28	23 33	23 33	23 50	16 57	6 6	W21
T 22	21 25	9 57	4 19	23 58	1 39	19 34	0 28	25 32	2 41	9 19	1 23	22 48	0 31	21 26	0 2	13 32	1 53	25 4	13 28	23 33	23 33	23 50	16 57	6 7	T 22
F 23	21 35	5 3	4 52	24 14	1 44	19 52	0 26	25 36	2 44	9 17	1 23	22 48	0 31	21 26	0 2	13 32	1 53	25 3	13 28	23 33	23 33	23 50	16 57	6 7	F 23
S 24	21 45	0n12	5 12	24 30	1 48	20 10	0 24	25 39	2 47	9 15	1 22	22 48	0 31	21 27	0 2	13 31	1 53	25 3	13 27	23 33	23 33	23 50	16 57	6 8	S 24
S 25	21 55	5 37	5 16	24 44	1 52	20 28	0 21	25 43	2 50	9 13	1 22	22 49	0 31	21 28	0 2	13 31	1 53	25 3	13 27	23 33	23 33	23 50	16 57	6 8	S 25
M26	22 4	10 57	5 1	24 56	1 55	20 44	0 19	25 48	2 52	9 10	1 22	22 49	0 31	21 28	0 2	13 30	1 53	25 2	13 27	23 33	23 33	23 50	16 57	6 8	M26
T 27	22 13	15 51	4 26	25 8	1 58	21 1	0 17	25 52	2 55	9 8	1 22	22 49	0 31	21 29	0 2	13 30	1 53	25 2	13 27	23 32	23 33	23 50	16 56	6 9	T 27
W28	22 21	19 55	3 34	25 18	2 1	21 16	0 14	25 56	2 58	9 6	1 21	22 50	0 31	21 30	0 2	13 30	1 53	25 1	13 26	23 32	23 33	23 50	16 56	6 9	W28
T 29	22 29	22 43	2 25	25 26	2 4	21 31	0 12	26 0	3 1	9 3	1 21	22 50	0 31	21 30	0 2	13 29	1 53	25 1	13 26	23 32	23 33	23 50	16 56	6 10	T 29
F 30	22s37	23n53	1n 6	25s33	2s 6	21s45	0n 9	26n 4	3n 3	9s 0	1s21	22n50	0s31	21s31	0n 2	13n29	1s53	25s 0	13s26	23s32	23s33	23s50	16n56	6s10	F 30

Julian Day Number = 2108892.5, Delta T = 19m56s
Ecliptic obliquity = 23°33'39, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°39'45, Lahiri = 10°46'46 Julian Calendar 1 Nov. 1061 == Greg. Calendar 7 Nov. 1061

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1061
geocentric

DECEMBER 1061 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 2 10	15♐ 9'05	0♋56	26♐ 4	10♐16	11°R38	10♓21	7°R24	6♐49	11°R10	27♒21	27°D38	28♐23	13♐10	11°R13	S 1
S 2	5 6 7	16°10'13	15°57	27°39	11°31	11♋21	10°28	7♋20	6°53	11♉ 9	27°22	27♐39	28°20	13°17	11♋ 9	S 2
M 3	5 10 3	17°11'22	0♌38	29°13	12°47	11° 3	10°35	7°15	6°57	11° 8	27°23	27°40	28°16	13°23	11° 6	M 3
T 4	5 14 0	18°12'32	14°54	0♍48	14° 3	10°44	10°42	7°11	7° 0	11° 6	27°23	27°41	28°13	13°30	11° 2	T 4
W 5	5 17 57	19°13'42	28°44	2°23	15°18	10°25	10°49	7° 6	7° 4	11° 5	27°24	27°41	28°10	13°37	10°58	W 5
T 6	5 21 53	20°14'52	12♍ 7	3°57	16°34	10° 5	10°56	7° 2	7° 7	11° 4	27°25	27°42	28° 7	13°43	10°55	T 6
F 7	5 25 50	21°16'03	25° 5	5°31	17°49	9°45	11° 3	6°57	7°11	11° 3	27°26	27°R42	28° 4	13°50	10°51	F 7
S 8	5 29 46	22°17'15	7♎42	7° 4	19° 5	9°24	11°11	6°52	7°14	11° 1	27°26	27°42	28° 1	13°57	10°47	S 8
S 9	5 33 43	23°18'27	20° 2	8°37	20°20	9° 2	11°18	6°48	7°18	11° 0	27°27	27°41	27°57	14° 3	10°43	S 9
M10	5 37 39	24°19'39	2♏ 8	10° 9	21°36	8°40	11°26	6°43	7°22	10°59	27°28	27°41	27°54	14°10	10°39	M10
T 11	5 41 36	25°20'52	14° 5	11°40	22°51	8°18	11°34	6°38	7°25	10°58	27°29	27°40	27°51	14°17	10°35	T 11
W12	5 45 32	26°22'05	25°56	13° 9	24° 7	7°55	11°42	6°33	7°29	10°57	27°30	27°40	27°48	14°23	10°31	W12
T 13	5 49 29	27°23'18	7♐44	14°37	25°22	7°32	11°50	6°28	7°32	10°56	27°31	27°D40	27°45	14°30	10°27	T 13
F 14	5 53 26	28°24'31	19°31	16° 4	26°38	7° 8	11°59	6°24	7°36	10°55	27°32	27°40	27°42	14°37	10°23	F 14
S 15	5 57 22	29°25'45	1♑20	17°28	27°53	6°45	12° 7	6°19	7°39	10°54	27°33	27°R40	27°38	14°43	10°19	S 15
S 16	6 1 19	0♑26'58	13°13	18°49	29° 9	6°21	12°16	6°14	7°43	10°53	27°34	27°40	27°35	14°50	10°15	S 16
M17	6 5 15	1°28'11	25°12	20° 8	0♑24	5°57	12°25	6° 9	7°46	10°52	27°35	27°40	27°32	14°56	10°11	M17
T 18	6 9 12	2°29'23	7♒19	21°22	1°40	5°33	12°34	6° 4	7°49	10°51	27°36	27°39	27°29	15° 3	10° 7	T 18
W19	6 13 8	3°30'36	19°36	22°33	2°55	5° 9	12°43	5°59	7°53	10°50	27°37	27°38	27°26	15°10	10° 3	W19
T 20	6 17 5	4°31'47	2♓ 5	23°38	4°11	4°45	12°52	5°54	7°56	10°49	27°38	27°38	27°22	15°16	9°59	T 20
F 21	6 21 1	5°32'59	14°51	24°37	5°26	4°21	13° 1	5°49	8° 0	10°48	27°39	27°37	27°19	15°23	9°54	F 21
S 22	6 24 58	6°34'09	27°54	25°30	6°42	3°57	13°11	5°44	8° 3	10°48	27°40	27°36	27°16	15°30	9°50	S 22
S 23	6 28 55	7°35'19	11♈18	26°15	7°57	3°33	13°21	5°39	8° 6	10°47	27°41	27°D36	27°13	15°36	9°46	S 23
M24	6 32 51	8°36'28	25° 5	26°52	9°13	3°10	13°30	5°34	8°10	10°46	27°42	27°37	27°10	15°43	9°42	M24
T 25	6 36 48	9°37'37	9♉15	27°20	10°28	2°46	13°40	5°29	8°13	10°45	27°43	27°37	27° 7	15°50	9°38	T 25
W26	6 40 44	10°38'45	23°46	27°37	11°43	2°23	13°50	5°24	8°16	10°45	27°45	27°38	27° 3	15°56	9°33	W26
T 27	6 44 41	11°39'52	8♊36	27°R44	12°59	2° 1	14° 0	5°19	8°19	10°44	27°46	27°39	27° 0	16° 3	9°29	T 27
F 28	6 48 37	12°40'58	23°38	27°39	14°14	1°39	14°11	5°14	8°22	10°43	27°47	27°R40	26°57	16°10	9°25	F 28
S 29	6 52 34	13°42'04	8♋44	27°22	15°30	1°17	14°21	5° 9	8°26	10°43	27°48	27°40	26°54	16°16	9°21	S 29
S 30	6 56 30	14°43'09	23°45	26°54	16°45	0°55	14°31	5° 5	8°29	10°42	27°49	27°39	26°51	16°23	9°17	S 30
M31	7 0 27	15♑44'14	8♌33	26♑15	18♑ 0	0♋35	14♓42	5♋ 0	8♐32	10♉42	27♒51	27♐37	26♐48	16♐30	9♋12	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s44	23n15	0s18	25s38	2s 8	21s59	0n 7	26n 8	3n 6	8s58	1s21	22n51	0s31	21s31	0n 2	13n28	1s53	25s 0	13s26	23s32	23s33	23s50	16n56	6s10
S 2	22 50	20 57	1 40	25 42	2 10	22 12	0 5	26 12	3 9	8 55	1 20	22 51	0 30	21 32	0 2	13 28	1 52	24 59	13 25	23 32	23 33	23 50	16 56	6 11
M 3	22 56	17 18	2 53	25 44	2 11	22 25	0 2	26 16	3 11	8 52	1 20	22 51	0 30	21 33	0 2	13 28	1 52	24 59	13 25	23 32	23 33	23 50	16 56	6 11
T 4	23 2	12 43	3 54	25 45	2 12	22 36	0s 0	26 20	3 14	8 50	1 20	22 52	0 30	21 33	0 2	13 27	1 52	24 58	13 25	23 32	23 33	23 50	16 56	6 11
W 5	23 7	7 37	4 38	25 44	2 12	22 47	0 3	26 24	3 16	8 47	1 20	22 52	0 30	21 34	0 2	13 27	1 52	24 58	13 24	23 32	23 33	23 50	16 56	6 12
T 6	23 12	2 20	5 6	25 42	2 12	22 58	0 5	26 28	3 19	8 44	1 19	22 52	0 30	21 35	0 2	13 27	1 52	24 57	13 24	23 32	23 33	23 50	16 56	6 12
F 7	23 16	2s53	5 18	25 37	2 11	23 7	0 7	26 32	3 21	8 41	1 19	22 53	0 30	21 35	0 2	13 26	1 52	24 57	13 24	23 32	23 33	23 50	16 56	6 12
S 8	23 20	7 51	5 13	25 32	2 10	23 16	0 10	26 36	3 23	8 38	1 19	22 53	0 30	21 36	0 2	13 26	1 52	24 56	13 24	23 32	23 33	23 50	16 56	6 13
S 9	23 23	12 24	4 54	25 24	2 8	23 25	0 12	26 40	3 25	8 34	1 19	22 53	0 30	21 36	0 2	13 26	1 52	24 56	13 23	23 32	23 33	23 50	16 56	6 13
M10	23 26	16 23	4 22	25 15	2 5	23 32	0 15	26 44	3 28	8 31	1 19	22 54	0 30	21 37	0 2	13 25	1 52	24 55	13 23	23 32	23 33	23 50	16 56	6 13
T 11	23 29	19 38	3 40	25 4	2 2	23 39	0 17	26 47	3 30	8 28	1 18	22 54	0 30	21 38	0 2	13 25	1 52	24 55	13 23	23 32	23 33	23 50	16 56	6 13
W12	23 31	22 3	2 48	24 52	1 58	23 45	0 19	26 51	3 32	8 25	1 18	22 54	0 30	21 38	0 2	13 25	1 52	24 54	13 23	23 32	23 33	23 50	16 56	6 14
T 13	23 32	23 30	1 49	24 38	1 53	23 50	0 22	26 54	3 34	8 21	1 18	22 55	0 29	21 39	0 2	13 24	1 52	24 53	13 22	23 32	23 32	23 50	16 56	6 14
F 14	23 33	23 54	0 45	24 22	1 48	23 55	0 24	26 57	3 35	8 18	1 18	22 55	0 29	21 39	0 2	13 24	1 52	24 53	13 22	23 32	23 32	23 50	16 56	6 14
S 15	23 34	23 13	0n20	24 6	1 42	23 59	0 26	27 0	3 37	8 14	1 17	22 55	0 29	21 40	0 2	13 24	1 52	24 52	13 22	23 32	23 32	23 50	16 56	6 14
S 16	23 34	21 29	1 25	23 47	1 34	24 2	0 28	27 3	3 39	8 11	1 17	22 56	0 29	21 40	0 2	13 24	1 52	24 52	13 22	23 32	23 32	23 49	16 56	6 15
M17	23 33	18 47	2 27	23 28	1 26	24 4	0 31	27 6	3 40	8 7	1 17	22 56	0 29	21 41	0 2	13 23	1 52	24 51	13 21	23 32	23 32	23 49	16 56	6 15
T 18	23 32	15 16	3 23	23 7	1 17	24 6	0 33	27 8	3 42	8 4	1 17	22 56	0 29	21 42	0 2	13 23	1 52	24 51	13 21	23 32	23 32	23 49	16 56	6 15
W19	23 31	11 3	4 10	22 46	1 7	24 7	0 35	27 11	3 43	8 0	1 17	22 57	0 29	21 42	0 2	13 23	1 52	24 50	13 21	23 32	23 32	23 49	16 57	6 15
T 20	23 29	6 19	4 47	22 24	0 56	24 7	0 37	27 13	3 44	7 56	1 16	22 57	0 29	21 43	0 2	13 23	1 52	24 49	13 21	23 32	23 32	23 49	16 57	6 15
F 21	23 27	1 14	5 10	22 1	0 44	24 6	0 39	27 15	3 46	7 52	1 16	22 57	0 29	21 43	0 2	13 23	1 52	24 49	13 21	23 32	23 32	23 49	16 57	6 15
S 22	23 24	4n 1	5 18	21 39	0 30	24 5	0 41	27 17	3 47	7 49	1 16	22 58	0 28	21 44	0 2	13 22	1 52	24 48	13 20	23 32	23 32	23 49	16 57	6 16
S 23	23 21	9 13	5 9	21 16	0 16	24 3	0 43	27 18	3 48	7 45	1 16	22 58	0 28	21 44	0 2	13 22	1 51	24 48	13 20	23 32	23 32	23 49	16 57	6 16
M24	23 17	14 7	4 42	20 54	0 1	24 0	0 46	27 20	3 49	7 41	1 16	22 58	0 28	21 45	0 2	13 22	1 51	24 47	13 20	23 32	23 32	23 48	16 57	6 16
T 25	23 13	18 24	3 58	20 33	0n16	23 56	0 48	27 21	3 49	7 37	1 15	22 59	0 28	21 45	0 2	13 22	1 51	24 46	13 20	23 32	23 32	23 48	16 58	6 16
W26	23 8	21 40	2 57	20 12	0 33	23 52	0 50	27 22	3 50	7 33	1 15	22 59	0 28	21 46	0 2	13 22	1 51	24 46	13 19	23 32	23 32	23 48	16 58	6 16
T 27	23 3	23 33	1 44	19 53	0 51	23 47	0 51	27 23	3 51	7 29	1 15	22 59	0 28	21 46	0 2	13 22	1 51	24 45	13 19	23 32	23 32	23 48	16 58	6 16
F 28	22 57	23 47	0 22	19 36	1 9	23 41	0 53	27 24	3 51	7 24	1 15	23 0	0 28	21 47	0 2	13 21	1 51	24 44	13 19	23 32	23 32	23 48	16 58	6 16
S 29	22 51	22 15	1s 1	19 21	1 28	23 34	0 55	27 25	3 52	7 20	1 15	23 0	0 28	21 47	0 2	13 21	1 51	24 44	13 19	23 32	23 31	23 48	16 58	6 16
S 30	22 45	19 10	2 20	19 8	1 47	23 27	0 57	27 25	3 52	7 16	1 15	23 0	0 28	21 48	0 2	13 21	1 51	24 43	13 19	23 32	23 31	23 48	16 59	6 16
M31	22s38	14n53	3s28	18s57	2n 5	23s19	0s59	27n26	3n52	7s12	1s14	23n 1	0s27	21s48	0n 2	13n21	1s51	24s43	13s19	23s32	23s31	23s47	16n59	6s16

Julian Day Number = 2108922.5, Delta T = 19m55s
Ecliptic obliquity = 23°33'38, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°39'50, Lahiri = 10°46'50 Julian Calendar 1 Dec. 1061 == Greg. Calendar 7 Dec. 1061

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1062
geocentric

JANUARY 1062 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 4 24	16♉45'17	23♌ 0	25°R25	19♉16	0°R14	14♓53	4°R55	8♐35	10°R41	27♒52	27°R34	26♐44	16♐36	9°R 8	T 1
W 2	7 8 20	17°46'20	7♍ 1	24♉26	20°31	29♊54	15° 4	4♋50	8°38	10♑41	27°53	27♐31	26°41	16°43	9♋ 4	W 2
T 3	7 12 17	18°47'23	20°35	23°19	21°47	29°35	15°14	4°45	8°41	10°40	27°55	27°29	26°38	16°50	9° 0	T 3
F 4	7 16 13	19°48'25	3♎41	22° 7	23° 2	29°17	15°25	4°41	8°44	10°40	27°56	27°27	26°35	16°56	8°56	F 4
S 5	7 20 10	20°49'26	16°23	20°52	24°17	28°59	15°37	4°36	8°47	10°40	27°57	27°D26	26°32	17° 3	8°52	S 5
S 6	7 24 6	21°50'27	28°45	19°35	25°33	28°41	15°48	4°31	8°50	10°39	27°59	27°26	26°28	17° 9	8°48	S 6
M 7	7 28 3	22°51'27	10♏50	18°20	26°48	28°25	15°59	4°27	8°53	10°39	28° 0	27°27	26°25	17°16	8°43	M 7
T 8	7 31 59	23°52'27	22°44	17° 9	28° 3	28° 9	16°11	4°22	8°56	10°39	28° 1	27°29	26°22	17°23	8°39	T 8
W 9	7 35 56	24°53'26	4♐32	16° 2	29°18	27°54	16°22	4°18	8°58	10°39	28° 3	27°30	26°19	17°29	8°35	W 9
T 10	7 39 53	25°54'24	16°18	15° 2	0♒34	27°39	16°34	4°13	9° 1	10°38	28° 4	27°32	26°16	17°36	8°31	T 10
F 11	7 43 49	26°55'21	28° 6	14°10	1°49	27°26	16°46	4° 9	9° 4	10°38	28° 6	27°R33	26°13	17°43	8°28	F 11
S 12	7 47 46	27°56'17	10♑ 0	13°25	3° 4	27°13	16°57	4° 5	9° 7	10°38	28° 7	27°32	26° 9	17°49	8°24	S 12
S 13	7 51 42	28°57'13	22° 1	12°49	4°20	27° 1	17° 9	4° 0	9° 9	10°38	28° 8	27°29	26° 6	17°56	8°20	S 13
M14	7 55 39	29°58'07	4♒12	12°22	5°35	26°49	17°21	3°56	9°12	10°38	28°10	27°25	26° 3	18° 3	8°16	M14
T 15	7 59 35	0♒58'59	16°34	12° 3	6°50	26°39	17°33	3°52	9°15	10°D38	28°11	27°20	26° 0	18° 9	8°12	T 15
W16	8 3 32	1°59'51	29° 7	11°53	8° 5	26°29	17°45	3°48	9°17	10°38	28°13	27°14	25°57	18°16	8° 8	W16
T 17	8 7 29	3° 0'41	11♓54	11°D50	9°21	26°20	17°58	3°44	9°20	10°38	28°14	27° 7	25°54	18°23	8° 5	T 17
F 18	8 11 25	4° 1'30	24°53	11°55	10°36	26°12	18°10	3°40	9°22	10°38	28°16	27° 1	25°50	18°29	8° 1	F 18
S 19	8 15 22	5° 2'17	8♈ 5	12° 6	11°51	26° 5	18°22	3°36	9°25	10°38	28°17	26°57	25°47	18°36	7°58	S 19
S 20	8 19 18	6° 3'02	21°32	12°24	13° 6	25°58	18°35	3°32	9°27	10°38	28°19	26°54	25°44	18°43	7°54	S 20
M21	8 23 15	7° 3'46	5♉13	12°48	14°21	25°53	18°47	3°29	9°30	10°39	28°20	26°D53	25°41	18°49	7°51	M21
T 22	8 27 11	8° 4'28	19°10	13°18	15°36	25°48	19° 0	3°25	9°32	10°39	28°22	26°53	25°38	18°56	7°47	T 22
W23	8 31 8	9° 5'09	3♊22	13°52	16°51	25°44	19°13	3°21	9°34	10°39	28°23	26°55	25°34	19° 2	7°44	W23
T 24	8 35 4	10° 5'47	17°48	14°31	18° 7	25°41	19°26	3°18	9°36	10°39	28°25	26°56	25°31	19° 9	7°40	T 24
F 25	8 39 1	11° 6'24	2♋25	15°14	19°22	25°38	19°38	3°15	9°39	10°40	28°27	26°R56	25°28	19°16	7°37	F 25
S 26	8 42 58	12° 7'00	17° 8	16° 2	20°37	25°36	19°51	3°11	9°41	10°40	28°28	26°54	25°25	19°22	7°34	S 26
S 27	8 46 54	13° 7'33	1♌52	16°52	21°52	25°35	20° 4	3° 8	9°43	10°41	28°30	26°50	25°22	19°29	7°31	S 27
M28	8 50 51	14° 8'05	16°28	17°46	23° 7	25°D35	20°17	3° 5	9°45	10°41	28°31	26°44	25°19	19°36	7°28	M28
T 29	8 54 47	15° 8'36	0♍49	18°43	24°22	25°36	20°31	3° 2	9°47	10°41	28°33	26°37	25°15	19°42	7°25	T 29
W30	8 58 44	16° 9'04	14°50	19°43	25°37	25°37	20°44	2°59	9°49	10°42	28°34	26°28	25°12	19°49	7°22	W30
T 31	9 2 40	17♒ 9'32	28♍27	20♉46	26♒52	25♊39	20♓57	2♋56	9♐51	10♑43	28♒36	26♐20	25♐ 9	19♐56	7♋19	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s30	9n49	4s20	18s49	2n23	23s10	1s 1	27n26	3n52	7s 7	1s14	23n 1	0s27	21s49	0n 2	13n21	1s51	24s42	13s18	23s32	23s31	23s47	16n59	6s16
W 2	22 22	4 24	4 56	18 44	2 39	23 1	1 2	27 26	3 52	7 3	1 14	23 1	0 27	21 49	0 2	13 21	1 51	24 41	13 18	23 32	23 31	23 47	17 0	6 16
T 3	22 14	1s 3	5 13	18 41	2 54	22 50	1 4	27 26	3 52	6 59	1 14	23 1	0 27	21 50	0 2	13 21	1 51	24 41	13 18	23 32	23 31	23 47	17 0	6 16
F 4	22 5	6 16	5 14	18 39	3 7	22 40	1 6	27 25	3 52	6 54	1 14	23 2	0 27	21 50	0 2	13 21	1 51	24 40	13 18	23 32	23 31	23 47	17 0	6 16
S 5	21 56	11 4	4 59	18 41	3 18	22 28	1 7	27 25	3 52	6 50	1 14	23 2	0 27	21 51	0 2	13 21	1 51	24 39	13 18	23 32	23 31	23 46	17 0	6 16
S 6	21 47	15 17	4 30	18 43	3 26	22 16	1 9	27 25	3 51	6 45	1 13	23 2	0 27	21 51	0 2	13 21	1 51	24 39	13 17	23 32	23 31	23 46	17 1	6 16
M 7	21 37	18 47	3 50	18 48	3 32	22 3	1 10	27 24	3 51	6 41	1 13	23 3	0 27	21 52	0 2	13 21	1 51	24 38	13 17	23 32	23 31	23 46	17 1	6 16
T 8	21 26	21 27	3 0	18 54	3 35	21 49	1 11	27 23	3 51	6 36	1 13	23 3	0 26	21 52	0 2	13 21	1 50	24 38	13 17	23 32	23 31	23 46	17 1	6 16
W 9	21 16	23 10	2 3	19 1	3 36	21 35	1 13	27 23	3 50	6 31	1 13	23 3	0 26	21 53	0 2	13 21	1 50	24 37	13 17	23 32	23 31	23 45	17 2	6 16
T 10	21 4	23 52	1 1	19 9	3 35	21 20	1 14	27 22	3 50	6 27	1 13	23 3	0 26	21 53	0 2	13 21	1 50	24 36	13 17	23 32	23 30	23 45	17 2	6 16
F 11	20 53	23 30	0n 3	19 18	3 32	21 5	1 15	27 21	3 49	6 22	1 13	23 4	0 26	21 54	0 2	13 21	1 50	24 36	13 17	23 32	23 30	23 45	17 2	6 16
S 12	20 41	22 3	1 8	19 27	3 27	20 49	1 16	27 20	3 48	6 17	1 12	23 4	0 26	21 54	0 2	13 21	1 50	24 35	13 17	23 32	23 30	23 45	17 3	6 16
S 13	20 28	19 37	2 10	19 37	3 20	20 32	1 18	27 19	3 47	6 12	1 12	23 4	0 26	21 54	0 2	13 21	1 50	24 34	13 17	23 32	23 30	23 44	17 3	6 16
M14	20 16	16 16	3 7	19 48	3 12	20 15	1 19	27 18	3 47	6 8	1 12	23 4	0 26	21 55	0 2	13 21	1 50	24 34	13 16	23 32	23 30	23 44	17 3	6 15
T 15	20 2	12 12	3 56	19 58	3 3	19 57	1 20	27 17	3 46	6 3	1 12	23 5	0 26	21 55	0 2	13 21	1 50	24 33	13 16	23 32	23 30	23 44	17 4	6 15
W16	19 49	7 33	4 35	20 9	2 54	19 38	1 21	27 16	3 45	5 58	1 12	23 5	0 25	21 56	0 2	13 21	1 50	24 32	13 16	23 32	23 30	23 44	17 4	6 15
T 17	19 35	2 31	5 0	20 19	2 43	19 19	1 22	27 14	3 44	5 53	1 12	23 5	0 25	21 56	0 2	13 21	1 50	24 32	13 16	23 32	23 30	23 43	17 5	6 15
F 18	19 21	2n42	5 11	20 30	2 32	18 59	1 22	27 13	3 43	5 48	1 12	23 5	0 25	21 56	0 2	13 21	1 50	24 31	13 16	23 32	23 30	23 43	17 5	6 15
S 19	19 6	7 53	5 5	20 40	2 21	18 39	1 23	27 12	3 42	5 43	1 11	23 6	0 25	21 57	0 2	13 21	1 50	24 31	13 16	23 32	23 30	23 43	17 5	6 15
S 20	18 51	12 48	4 43	20 49	2 10	18 19	1 24	27 11	3 41	5 38	1 11	23 6	0 25	21 57	0 2	13 21	1 50	24 30	13 16	23 31	23 29	23 42	17 6	6 14
M21	18 36	17 10	4 4	20 59	1 58	17 57	1 25	27 9	3 40	5 33	1 11	23 6	0 25	21 58	0 2	13 21	1 50	24 29	13 16	23 31	23 29	23 42	17 6	6 14
T 22	18 20	20 40	3 11	21 7	1 47	17 36	1 25	27 8	3 38	5 28	1 11	23 6	0 25	21 58	0 2	13 22	1 50	24 29	13 16	23 31	23 29	23 42	17 7	6 14
W23	18 5	22 58	2 4	21 15	1 35	17 13	1 26	27 7	3 37	5 23	1 11	23 7	0 24	21 58	0 2	13 22	1 49	24 28	13 16	23 31	23 29	23 41	17 7	6 14
T 24	17 48	23 49	0 49	21 22	1 24	16 51	1 26	27 5	3 36	5 17	1 11	23 7	0 24	21 59	0 2	13 22	1 49	24 27	13 15	23 31	23 29	23 41	17 7	6 13
F 25	17 32	23 3	0s30	21 29	1 13	16 28	1 27	27 4	3 35	5 12	1 11	23 7	0 24	21 59	0 2	13 22	1 49	24 27	13 15	23 31	23 29	23 41	17 8	6 13
S 26	17 15	20 41	1 47	21 34	1 2	16 4	1 27	27 3	3 34	5 7	1 11	23 7	0 24	21 59	0 2	13 22	1 49	24 26	13 15	23 31	23 29	23 40	17 8	6 13
S 27	16 58	16 58	2 58	21 39	0 51	15 40	1 27	27 1	3 32	5 2	1 10	23 7	0 24	22 0	0 2	13 22	1 49	24 25	13 15	23 31	23 29	23 40	17 9	6 13
M28	16 40	12 14	3 55	21 43	0 40	15 16	1 27	27 0	3 31	4 57	1 10	23 8	0 24	22 0	0 2	13 23	1 49	24 25	13 15	23 31	23 29	23 40	17 9	6 12
T 29	16 23	6 55	4 37	21 45	0 29	14 51	1 28	26 59	3 30	4 51	1 10	23 8	0 24	22 0	0 2	13 23	1 49	24 24	13 15	23 31	23 29	23 39	17 10	6 12
W30	16 5	1 22	5 1	21 47	0 19	14 25	1 28	26 57	3 28	4 46	1 10	23 8	0 24	22 1	0 2	13 23	1 49	24 24	13 15	23 31	23 28	23 39	17 10	6 12
T 31	15s46	4s 5	5s 7	21s48	0n 9	14s 0	1s28	26n56	3n27	4s41	1s10	23n 8	0s23	22s 1	0n 2	13n23	1s49	24s23	13s15	23s31	23s28	23s39	17n10	6s12

Julian Day Number = 2108953.5, Delta T = 19m55s
Ecliptic obliquity = 23°33'38, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°39'54, Lahiri = 10°46'54 Julian Calendar 1 Jan. 1062 == Greg. Calendar 7 Jan. 1062

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1062
geocentric

FEBRUARY 1062 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 6 37	18♒ 9'57	11♎39	21♑51	28♒ 7	25♊42	21♓10	2°R53	9♐53	10♉43	28♒38	26°R13	25♐ 6	20♐ 2	7°R16	F 1
S 2	9 10 33	19°10'22	24°26	22°58	29°22	25°45	21°24	2♋51	9°55	10°44	28°39	26♐ 8	25° 3	20° 9	7♋14	S 2
S 3	9 14 30	20°10'45	6♏51	24° 7	0♓37	25°49	21°37	2°48	9°56	10°44	28°41	26° 4	25° 0	20°16	7°11	S 3
M 4	9 18 26	21°11'06	18°58	25°18	1°51	25°54	21°50	2°46	9°58	10°45	28°42	26°D 3	24°56	20°22	7° 8	M 4
T 5	9 22 23	22°11'27	0♐54	26°31	3° 6	26° 0	22° 4	2°43	10° 0	10°46	28°44	26° 4	24°53	20°29	7° 6	T 5
W 6	9 26 20	23°11'45	12°42	27°46	4°21	26° 6	22°17	2°41	10° 2	10°47	28°46	26° 5	24°50	20°35	7° 4	W 6
T 7	9 30 16	24°12'02	24°29	29° 3	5°36	26°12	22°31	2°39	10° 3	10°47	28°47	26°R 5	24°47	20°42	7° 1	T 7
F 8	9 34 13	25°12'18	6♑19	0♒21	6°51	26°20	22°45	2°37	10° 5	10°48	28°49	26° 5	24°44	20°49	6°59	F 8
S 9	9 38 9	26°12'32	18°17	1°41	8° 6	26°28	22°58	2°35	10° 6	10°49	28°51	26° 2	24°40	20°55	6°57	S 9
S 10	9 42 6	27°12'44	0♒27	3° 2	9°20	26°36	23°12	2°33	10° 8	10°50	28°52	25°57	24°37	21° 2	6°55	S 10
M11	9 46 2	28°12'54	12°50	4°24	10°35	26°46	23°26	2°31	10° 9	10°51	28°54	25°49	24°34	21° 9	6°53	M11
T 12	9 49 59	29°13'03	25°29	5°48	11°50	26°55	23°40	2°30	10°11	10°52	28°55	25°39	24°31	21°15	6°51	T 12
W13	9 53 55	0♓13'10	8♓23	7°13	13° 5	27° 6	23°54	2°28	10°12	10°53	28°57	25°28	24°28	21°22	6°49	W13
T 14	9 57 52	1°13'15	21°32	8°40	14°19	27°17	24° 8	2°27	10°13	10°54	28°59	25°16	24°25	21°29	6°47	T 14
F 15	10 1 49	2°13'17	4♈54	10° 8	15°34	27°28	24°22	2°25	10°14	10°55	29° 0	25° 5	24°21	21°35	6°46	F 15
S 16	10 5 45	3°13'18	18°26	11°37	16°49	27°40	24°36	2°24	10°15	10°56	29° 2	24°56	24°18	21°42	6°44	S 16
S 17	10 9 42	4°13'16	2♉ 9	13° 7	18° 3	27°53	24°50	2°23	10°17	10°57	29° 4	24°49	24°15	21°49	6°43	S 17
M18	10 13 38	5°13'13	15°59	14°38	19°18	28° 6	25° 4	2°22	10°18	10°58	29° 5	24°45	24°12	21°55	6°41	M18
T 19	10 17 35	6°13'07	29°56	16°11	20°32	28°20	25°18	2°21	10°19	10°59	29° 7	24°44	24° 9	22° 2	6°40	T 19
W20	10 21 31	7°12'59	13♊59	17°45	21°47	28°34	25°32	2°20	10°20	11° 0	29° 8	24°D44	24° 6	22° 9	6°39	W20
T 21	10 25 28	8°12'48	28° 9	19°20	23° 1	28°48	25°46	2°20	10°20	11° 1	29°10	24°R44	24° 2	22°15	6°38	T 21
F 22	10 29 24	9°12'36	12♋23	20°56	24°16	29° 3	26° 0	2°19	10°21	11° 3	29°12	24°43	23°59	22°22	6°37	F 22
S 23	10 33 21	10°12'21	26°40	22°33	25°30	29°19	26°14	2°19	10°22	11° 4	29°13	24°40	23°56	22°28	6°36	S 23
S 24	10 37 18	11°12'03	10♌56	24°12	26°45	29°35	26°29	2°19	10°23	11° 5	29°15	24°34	23°53	22°35	6°35	S 24
M25	10 41 14	12°11'44	25° 7	25°52	27°59	29°51	26°43	2°18	10°24	11° 7	29°16	24°25	23°50	22°42	6°34	M25
T 26	10 45 11	13°11'22	9♍ 8	27°33	29°13	0♋ 8	26°57	2°D18	10°24	11° 8	29°18	24°14	23°46	22°48	6°33	T 26
W27	10 49 7	14°10'58	22°55	29°15	0♈28	0°25	27°11	2°18	10°25	11° 9	29°20	24° 1	23°43	22°55	6°33	W27
T 28	10 53 4	15♓10'32	6♎22	0♓59	1♈42	0♋43	27♓26	2♋18	10♐25	11♉11	29♒21	23♐49	23♐40	23♐ 2	6♋32	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	15s28	9s10	4s56	21s47	0s 0	13s34	1s28	26n55	3n26	4s35	1s10	23n 8	0s23	22s 1	0n 2	13n23	1s49	24s22	13s15	23s30	23s28	23s38	17n11	6s11
S 2	15 9	13 43	4 31	21 45	0 10	13 7	1 28	26 54	3 24	4 30	1 10	23 9	0 23	22 1	0 2	13 24	1 49	24 22	13 15	23 30	23 28	23 38	17 11	6 11
S 3	14 50	17 32	3 53	21 42	0 19	12 40	1 27	26 53	3 23	4 25	1 10	23 9	0 23	22 2	0 2	13 24	1 49	24 21	13 15	23 30	23 28	23 38	17 12	6 11
M 4	14 31	20 32	3 6	21 38	0 28	12 13	1 27	26 51	3 22	4 19	1 10	23 9	0 23	22 2	0 2	13 24	1 49	24 21	13 15	23 30	23 28	23 37	17 12	6 10
T 5	14 11	22 35	2 11	21 33	0 36	11 46	1 27	26 50	3 20	4 14	1 10	23 9	0 23	22 2	0 2	13 25	1 49	24 20	13 15	23 30	23 28	23 37	17 13	6 10
W 6	13 51	23 37	1 11	21 26	0 44	11 18	1 27	26 49	3 19	4 8	1 9	23 9	0 23	22 2	0 2	13 25	1 49	24 19	13 15	23 30	23 28	23 36	17 13	6 10
T 7	13 31	23 35	0 9	21 18	0 52	10 50	1 26	26 48	3 17	4 3	1 9	23 10	0 22	22 3	0 2	13 25	1 49	24 19	13 15	23 30	23 27	23 36	17 14	6 9
F 8	13 11	22 30	0n55	21 9	1 0	10 22	1 26	26 47	3 16	3 57	1 9	23 10	0 22	22 3	0 2	13 25	1 48	24 18	13 15	23 30	23 27	23 36	17 14	6 9
S 9	12 51	20 23	1 56	20 58	1 7	9 53	1 25	26 45	3 15	3 52	1 9	23 10	0 22	22 3	0 2	13 26	1 48	24 18	13 15	23 30	23 27	23 35	17 15	6 8
S 10	12 30	17 20	2 53	20 46	1 14	9 25	1 24	26 44	3 13	3 46	1 9	23 10	0 22	22 3	0 2	13 26	1 48	24 17	13 15	23 30	23 27	23 35	17 15	6 8
M11	12 9	13 29	3 43	20 33	1 20	8 55	1 24	26 43	3 12	3 41	1 9	23 10	0 22	22 4	0 2	13 26	1 48	24 16	13 15	23 30	23 27	23 34	17 16	6 8
T 12	11 48	8 58	4 23	20 19	1 26	8 26	1 23	26 42	3 11	3 35	1 9	23 11	0 22	22 4	0 2	13 27	1 48	24 16	13 15	23 29	23 27	23 34	17 16	6 7
W13	11 27	3 59	4 50	20 3	1 32	7 57	1 22	26 41	3 9	3 29	1 9	23 11	0 22	22 4	0 2	13 27	1 48	24 15	13 15	23 29	23 27	23 33	17 17	6 7
T 14	11 6	1n15	5 2	19 45	1 38	7 27	1 21	26 40	3 8	3 24	1 9	23 11	0 21	22 4	0 2	13 28	1 48	24 15	13 15	23 29	23 27	23 33	17 17	6 6
F 15	10 44	6 31	4 58	19 27	1 43	6 57	1 20	26 39	3 6	3 18	1 9	23 11	0 21	22 4	0 1	13 28	1 48	24 14	13 15	23 28	23 26	23 32	17 18	6 6
S 16	10 22	11 33	4 38	19 6	1 47	6 27	1 19	26 37	3 5	3 13	1 9	23 11	0 21	22 5	0 1	13 28	1 48	24 14	13 15	23 28	23 26	23 32	17 18	6 6
S 17	10 1	16 3	4 2	18 45	1 52	5 57	1 18	26 36	3 4	3 7	1 9	23 11	0 21	22 5	0 1	13 29	1 48	24 13	13 15	23 28	23 26	23 32	17 19	6 5
M18	9 39	19 44	3 11	18 22	1 56	5 26	1 17	26 35	3 2	3 1	1 9	23 11	0 21	22 5	0 1	13 29	1 48	24 13	13 15	23 27	23 26	23 31	17 19	6 5
T 19	9 17	22 19	2 8	17 58	1 59	4 56	1 16	26 34	3 1	2 56	1 9	23 12	0 21	22 5	0 1	13 29	1 48	24 12	13 15	23 27	23 26	23 31	17 20	6 4
W20	8 54	23 32	0 57	17 32	2 2	4 25	1 15	26 33	3 0	2 50	1 8	23 12	0 21	22 5	0 1	13 30	1 48	24 12	13 16	23 27	23 26	23 30	17 20	6 4
T 21	8 32	23 15	0s18	17 5	2 5	3 54	1 13	26 32	2 58	2 44	1 8	23 12	0 20	22 5	0 1	13 30	1 48	24 11	13 16	23 27	23 26	23 30	17 21	6 4
F 22	8 9	21 27	1 32	16 36	2 7	3 23	1 12	26 30	2 57	2 38	1 8	23 12	0 20	22 5	0 1	13 31	1 48	24 11	13 16	23 27	23 25	23 29	17 21	6 3
S 23	7 47	18 18	2 41	16 6	2 9	2 52	1 10	26 29	2 56	2 33	1 8	23 12	0 20	22 6	0 1	13 31	1 48	24 10	13 16	23 27	23 25	23 29	17 22	6 3
S 24	7 24	14 4	3 39	15 35	2 11	2 21	1 9	26 28	2 54	2 27	1 8	23 12	0 20	22 6	0 1	13 32	1 47	24 10	13 16	23 27	23 25	23 28	17 22	6 2
M25	7 1	9 5	4 23	15 2	2 12	1 50	1 7	26 27	2 53	2 21	1 8	23 13	0 20	22 6	0 1	13 32	1 47	24 9	13 16	23 27	23 25	23 28	17 22	6 2
T 26	6 38	3 42	4 51	14 28	2 13	1 19	1 6	26 25	2 52	2 16	1 8	23 13	0 20	22 6	0 1	13 33	1 47	24 9	13 16	23 26	23 25	23 27	17 23	6 1
W27	6 15	1s46	5 1	13 52	2 13	0 48	1 4	26 24	2 50	2 10	1 8	23 13	0 20	22 6	0 1	13 33	1 47	24 8	13 16	23 25	23 25	23 27	17 23	6 1
T 28	5s52	7s 2	4s54	13s15	2s13	0s17	1s 2	26n22	2n49	2s 4	1s 8	23n13	0s19	22s 6	0n 1	13n34	1s47	24s 8	13s16	23s25	23s25	23s26	17n24	6s 0

Julian Day Number = 2108984.5, Delta T = 19m55s
Ecliptic obliquity = 23°33'38, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°39'58, Lahiri = 10°46'59 Julian Calendar 1 Feb. 1062 == Greg. Calendar 7 Feb. 1062

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1062
geocentric

MARCH 1062 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 57 0	16♓10'04	19♎28	2♓43	2♈56	1♋ 1	27♓40	2♋19	10♐26	11♉12	29♒23	23°R38	23♐37	23♐ 8	6°R32	F 1
S 2	11 0 57	17° 9'35	2♏13	4°29	4°10	1°20	27°54	2°19	10°26	11°14	29°24	23♐29	23°34	23°15	6♋32	S 2
S 3	11 4 53	18° 9'03	14°39	6°17	5°25	1°38	28° 9	2°20	10°27	11°15	29°26	23°23	23°31	23°22	6°31	S 3
M 4	11 8 50	19° 8'30	26°48	8° 5	6°39	1°58	28°23	2°20	10°27	11°17	29°27	23°19	23°27	23°28	6°31	M 4
T 5	11 12 47	20° 7'55	8♐44	9°55	7°53	2°17	28°38	2°21	10°27	11°18	29°29	23°17	23°24	23°35	6°D31	T 5
W 6	11 16 43	21° 7'18	20°34	11°46	9° 7	2°37	28°52	2°22	10°27	11°20	29°30	23°17	23°21	23°42	6°31	W 6
T 7	11 20 40	22° 6'39	2♑22	13°39	10°21	2°57	29° 6	2°23	10°28	11°21	29°32	23°17	23°18	23°48	6°32	T 7
F 8	11 24 36	23° 5'58	14°14	15°33	11°35	3°18	29°21	2°24	10°28	11°23	29°33	23°16	23°15	23°55	6°32	F 8
S 9	11 28 33	24° 5'16	26°15	17°28	12°49	3°39	29°35	2°25	10°28	11°25	29°35	23°13	23°11	24° 1	6°32	S 9
S 10	11 32 29	25° 4'32	8♒30	19°24	14° 3	4° 0	29°50	2°26	10°R28	11°26	29°36	23° 7	23° 8	24° 8	6°33	S 10
M11	11 36 26	26° 3'45	21° 2	21°22	15°17	4°22	0♈ 4	2°27	10°28	11°28	29°38	22°59	23° 5	24°15	6°33	M11
T 12	11 40 22	27° 2'57	3♓54	23°21	16°31	4°44	0°19	2°29	10°28	11°30	29°39	22°48	23° 2	24°21	6°34	T 12
W13	11 44 19	28° 2'07	17° 6	25°21	17°45	5° 6	0°33	2°30	10°27	11°31	29°41	22°36	22°59	24°28	6°35	W13
T 14	11 48 15	29° 1'15	0♈37	27°22	18°59	5°29	0°48	2°32	10°27	11°33	29°42	22°23	22°56	24°35	6°36	T 14
F 15	11 52 12	0♈ 0'20	14°23	29°25	20°13	5°51	1° 2	2°34	10°27	11°35	29°44	22°11	22°52	24°41	6°37	F 15
S 16	11 56 9	0°59'24	28°22	1♈28	21°26	6°15	1°17	2°36	10°27	11°37	29°45	22° 1	22°49	24°48	6°38	S 16
S 17	12 0 5	1°58'25	12♉29	3°32	22°40	6°38	1°31	2°38	10°26	11°39	29°47	21°54	22°46	24°55	6°39	S 17
M18	12 4 2	2°57'25	26°39	5°36	23°54	7° 2	1°45	2°40	10°26	11°40	29°48	21°49	22°43	25° 1	6°40	M18
T 19	12 7 58	3°56'21	10♊50	7°41	25° 8	7°26	2° 0	2°42	10°25	11°42	29°49	21°47	22°40	25° 8	6°41	T 19
W20	12 11 55	4°55'16	24°59	9°47	26°21	7°50	2°14	2°44	10°25	11°44	29°51	21°D47	22°37	25°15	6°43	W20
T 21	12 15 51	5°54'08	9♋ 5	11°52	27°35	8°14	2°29	2°47	10°24	11°46	29°52	21°R47	22°33	25°21	6°44	T 21
F 22	12 19 48	6°52'58	23° 8	13°57	28°48	8°39	2°43	2°49	10°24	11°48	29°54	21°46	22°30	25°28	6°46	F 22
S 23	12 23 44	7°51'46	7♌ 6	16° 1	0♉ 2	9° 4	2°58	2°52	10°23	11°50	29°55	21°43	22°27	25°34	6°47	S 23
S 24	12 27 41	8°50'31	20°58	18° 5	1°15	9°29	3°12	2°55	10°22	11°52	29°56	21°38	22°24	25°41	6°49	S 24
M25	12 31 38	9°49'14	4♍43	20° 7	2°29	9°55	3°27	2°57	10°22	11°54	29°58	21°30	22°21	25°48	6°51	M25
T 26	12 35 34	10°47'54	18°18	22° 8	3°42	10°20	3°41	3° 0	10°21	11°56	29°59	21°19	22°17	25°54	6°53	T 26
W27	12 39 31	11°46'33	1♎40	24° 7	4°56	10°46	3°55	3° 3	10°20	11°58	0♓ 0	21° 8	22°14	26° 1	6°55	W27
T 28	12 43 27	12°45'09	14°48	26° 3	6° 9	11°12	4°10	3° 6	10°19	12° 0	0° 1	20°56	22°11	26° 8	6°57	T 28
F 29	12 47 24	13°43'44	27°40	27°57	7°22	11°38	4°24	3°10	10°18	12° 2	0° 3	20°46	22° 8	26°14	6°59	F 29
S 30	12 51 20	14°42'16	10♏15	29°48	8°35	12° 5	4°38	3°13	10°17	12° 4	0° 4	20°37	22° 5	26°21	7° 2	S 30
S 31	12 55 17	15♈40'47	22♏34	1♉36	9♉49	12♋32	4♈53	3♋16	10♐16	12♉ 6	0♓ 5	20♐31	22♐ 2	26♐28	7♋ 4	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5s29	11s50	4s31	12s36	2s12	0n15	1s 1	26n21	2n48	1s58	1s 8	23n13	0s19	22s 6	0n 1	13n34	1s47	24s 7	13s16	23s24	23s24	23s25	17n24	6s 0
S 2	5 6	15 59	3 56	11 56	2 11	0 46	0 59	26 20	2 46	1 53	1 8	23 13	0 19	22 6	0 1	13 35	1 47	24 7	13 17	23 24	23 24	23 25	17 25	5 59
S 3	4 42	19 20	3 9	11 15	2 9	1 17	0 57	26 18	2 45	1 47	1 8	23 13	0 19	22 6	0 1	13 35	1 47	24 6	13 17	23 24	23 24	23 24	17 25	5 59
M 4	4 19	21 44	2 15	10 32	2 7	1 49	0 55	26 17	2 44	1 41	1 8	23 13	0 19	22 6	0 1	13 36	1 47	24 6	13 17	23 23	23 24	23 24	17 26	5 59
T 5	3 56	23 8	1 16	9 48	2 4	2 20	0 53	26 15	2 43	1 35	1 8	23 14	0 19	22 6	0 1	13 36	1 47	24 5	13 17	23 23	23 24	23 23	17 26	5 58
W 6	3 32	23 28	0 14	9 2	2 1	2 51	0 51	26 13	2 41	1 29	1 8	23 14	0 19	22 6	0 1	13 37	1 47	24 5	13 17	23 23	23 24	23 23	17 27	5 58
T 7	3 9	22 44	0n48	8 16	1 57	3 22	0 49	26 12	2 40	1 24	1 8	23 14	0 19	22 6	0 1	13 37	1 47	24 5	13 17	23 23	23 23	23 22	17 27	5 57
F 8	2 45	21 0	1 49	7 27	1 53	3 53	0 47	26 10	2 39	1 18	1 8	23 14	0 18	22 6	0 1	13 38	1 47	24 4	13 17	23 23	23 23	23 22	17 28	5 57
S 9	2 22	18 18	2 45	6 38	1 48	4 24	0 45	26 8	2 38	1 12	1 8	23 14	0 18	22 6	0 1	13 38	1 47	24 4	13 18	23 23	23 23	23 21	17 28	5 56
S 10	1 58	14 46	3 35	5 47	1 43	4 55	0 43	26 6	2 36	1 6	1 8	23 14	0 18	22 6	0 1	13 39	1 47	24 3	13 18	23 23	23 23	23 20	17 29	5 56
M11	1 34	10 31	4 16	4 55	1 37	5 26	0 40	26 4	2 35	1 0	1 8	23 14	0 18	22 6	0 1	13 39	1 47	24 3	13 18	23 22	23 23	23 20	17 29	5 55
T 12	1 11	5 42	4 45	4 2	1 30	5 56	0 38	26 3	2 34	0 55	1 8	23 14	0 18	22 6	0 1	13 40	1 47	24 3	13 18	23 22	23 23	23 19	17 29	5 55
W13	0 47	0 32	4 59	3 8	1 24	6 27	0 36	26 1	2 33	0 49	1 8	23 14	0 18	22 6	0 1	13 41	1 47	24 2	13 18	23 21	23 22	23 19	17 30	5 54
T 14	0 23	4n47	4 57	2 13	1 16	6 57	0 33	25 58	2 32	0 43	1 8	23 15	0 18	22 6	0 1	13 41	1 47	24 2	13 18	23 20	23 22	23 18	17 30	5 54
F 15	0n 0	9 58	4 39	1 17	1 8	7 28	0 31	25 56	2 31	0 37	1 8	23 15	0 17	22 6	0 1	13 42	1 47	24 1	13 19	23 20	23 22	23 17	17 31	5 53
S 16	0 24	14 43	4 3	0 20	1 0	7 58	0 29	25 54	2 29	0 31	1 8	23 15	0 17	22 6	0 1	13 42	1 47	24 1	13 19	23 19	23 22	23 17	17 31	5 53
S 17	0 47	18 42	3 12	0n38	0 51	8 27	0 26	25 52	2 28	0 26	1 8	23 15	0 17	22 6	0 1	13 43	1 46	24 1	13 19	23 19	23 22	23 16	17 32	5 52
M18	1 11	21 36	2 9	1 36	0 41	8 57	0 24	25 49	2 27	0 20	1 8	23 15	0 17	22 6	0 1	13 43	1 46	24 0	13 19	23 18	23 22	23 16	17 32	5 52
T 19	1 34	23 8	0 58	2 35	0 32	9 27	0 21	25 47	2 26	0 14	1 8	23 15	0 17	22 6	0 1	13 44	1 46	24 0	13 19	23 18	23 21	23 15	17 32	5 51
W20	1 58	23 11	0s17	3 34	0 21	9 56	0 19	25 44	2 25	0 8	1 8	23 15	0 17	22 6	0 1	13 45	1 46	24 0	13 20	23 18	23 21	23 14	17 33	5 51
T 21	2 21	21 45	1 30	4 33	0 11	10 25	0 16	25 42	2 24	0 3	1 8	23 15	0 17	22 6	0 1	13 45	1 46	23 59	13 20	23 18	23 21	23 14	17 33	5 50
F 22	2 45	18 58	2 38	5 32	0 0	10 54	0 13	25 39	2 23	0n 3	1 8	23 15	0 17	22 6	0 1	13 46	1 46	23 59	13 20	23 18	23 21	23 13	17 34	5 50
S 23	3 8	15 7	3 36	6 30	0n11	11 22	0 11	25 36	2 22	0 9	1 8	23 15	0 16	22 6	0 1	13 47	1 46	23 59	13 20	23 18	23 21	23 12	17 34	5 50
S 24	3 31	10 28	4 20	7 28	0 22	11 51	0 8	25 33	2 20	0 15	1 8	23 15	0 16	22 6	0 1	13 47	1 46	23 59	13 21	23 18	23 20	23 12	17 34	5 49
M25	3 55	5 20	4 49	8 25	0 33	12 18	0 6	25 30	2 19	0 20	1 8	23 15	0 16	22 6	0 1	13 48	1 46	23 58	13 21	23 17	23 20	23 11	17 35	5 49
T 26	4 18	0 1	5 2	9 21	0 45	12 46	0 3	25 27	2 18	0 26	1 8	23 16	0 16	22 6	0 1	13 48	1 46	23 58	13 21	23 17	23 20	23 10	17 35	5 48
W27	4 41	5s12	4 57	10 16	0 56	13 14	0 0	25 24	2 17	0 32	1 8	23 16	0 16	22 6	0 1	13 49	1 46	23 58	13 21	23 16	23 20	23 10	17 36	5 48
T 28	5 4	10 6	4 37	11 9	1 7	13 41	0n 3	25 21	2 16	0 38	1 8	23 16	0 16	22 5	0 1	13 50	1 46	23 58	13 21	23 15	23 20	23 9	17 36	5 47
F 29	5 27	14 28	4 3	12 0	1 18	14 7	0 5	25 17	2 15	0 43	1 8	23 16	0 16	22 5	0 1	13 50	1 46	23 57	13 22	23 14	23 20	23 8	17 36	5 47
S 30	5 49	18 5	3 17	12 50	1 28	14 34	0 8	25 14	2 14	0 49	1 8	23 16	0 16	22 5	0 1	13 51	1 46	23 57	13 22	23 14	23 19	23 8	17 37	5 46
S 31	6n12	20s49	2s23	13n38	1n38	15n 0	0n11	25n10	2n13	0n55	1s 8	23n16	0s15	22s 5	0n 1	13n52	1s46	23s57	13s22	23s13	23s19	23s 7	17n37	5s46

Julian Day Number = 2109012.5, Delta T = 19m54s
Ecliptic obliquity = 23°33'39, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°40'02, Lahiri = 10°47'02 Julian Calendar 1 March 1062 == Greg. Calendar 7 March 1062

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1062
geocentric

APRIL 1062 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 59 13	16♈39'16	4♐40	3♉21	11♉ 2	12♋59	5♈ 7	3♋20	10°R15	12♉ 8	0♓ 6	20°R28	21♐58	26♐34	7♋ 6	M 1
T 2	13 3 10	17°37'44	16°36	5° 2	12°15	13°26	5°21	3°24	10♐14	12°10	0° 8	20°D26	21°55	26°41	7° 9	T 2
W 3	13 7 7	18°36'09	28°25	6°39	13°28	13°53	5°36	3°27	10°13	12°12	0° 9	20♐26	21°52	26°48	7°12	W 3
T 4	13 11 3	19°34'33	10♊13	8°12	14°41	14°20	5°50	3°31	10°12	12°14	0°10	20°27	21°49	26°54	7°14	T 4
F 5	13 15 0	20°32'56	22° 6	9°41	15°54	14°48	6° 4	3°35	10°10	12°16	0°11	20°R28	21°46	27° 1	7°17	F 5
S 6	13 18 56	21°31'17	4♒ 8	11° 5	17° 7	15°16	6°18	3°39	10° 9	12°18	0°12	20°27	21°43	27° 8	7°20	S 6
S 7	13 22 53	22°29'36	16°24	12°25	18°20	15°44	6°32	3°43	10° 8	12°20	0°13	20°24	21°39	27°14	7°23	S 7
M 8	13 26 49	23°27'53	29° 0	13°41	19°33	16°12	6°47	3°47	10° 6	12°23	0°14	20°19	21°36	27°21	7°26	M 8
T 9	13 30 46	24°26'09	11♓57	14°52	20°45	16°41	7° 1	3°51	10° 5	12°25	0°15	20°12	21°33	27°27	7°29	T 9
W10	13 34 42	25°24'24	25°19	15°58	21°58	17° 9	7°15	3°56	10° 3	12°27	0°16	20° 3	21°30	27°34	7°32	W10
T 11	13 38 39	26°22'36	9♈ 4	16°59	23°11	17°38	7°29	4° 0	10° 2	12°29	0°17	19°54	21°27	27°41	7°36	T 11
F 12	13 42 36	27°20'47	23°10	17°55	24°24	18° 7	7°43	4° 4	10° 0	12°31	0°18	19°46	21°23	27°47	7°39	F 12
S 13	13 46 32	28°18'57	7♉32	18°46	25°36	18°36	7°57	4° 9	9°59	12°33	0°19	19°39	21°20	27°54	7°43	S 13
S 14	13 50 29	29°17'04	22° 4	19°33	26°49	19° 5	8°11	4°14	9°57	12°36	0°20	19°34	21°17	28° 1	7°46	S 14
M15	13 54 25	0♉15'10	6♊40	20°14	28° 1	19°34	8°25	4°18	9°55	12°38	0°21	19°31	21°14	28° 7	7°50	M15
T 16	13 58 22	1°13'14	21°13	20°50	29°14	20° 4	8°39	4°23	9°54	12°40	0°22	19°D30	21°11	28°14	7°53	T 16
W17	14 2 18	2°11'16	5♋39	21°21	0♊26	20°34	8°53	4°28	9°52	12°42	0°23	19°31	21° 8	28°21	7°57	W17
T 18	14 6 15	3° 9'16	19°55	21°46	1°39	21° 3	9° 6	4°33	9°50	12°45	0°24	19°32	21° 4	28°27	8° 1	T 18
F 19	14 10 11	4° 7'14	3♌59	22° 7	2°51	21°33	9°20	4°38	9°48	12°47	0°25	19°R33	21° 1	28°34	8° 5	F 19
S 20	14 14 8	5° 5'10	17°50	22°22	4° 4	22° 3	9°34	4°43	9°46	12°49	0°26	19°32	20°58	28°41	8° 9	S 20
S 21	14 18 5	6° 3'04	1♍28	22°32	5°16	22°34	9°48	4°48	9°45	12°51	0°27	19°30	20°55	28°47	8°13	S 21
M22	14 22 1	7° 0'57	14°54	22°R37	6°28	23° 4	10° 1	4°54	9°43	12°53	0°27	19°25	20°52	28°54	8°17	M22
T 23	14 25 58	7°58'47	28° 6	22°37	7°40	23°34	10°15	4°59	9°41	12°56	0°28	19°19	20°48	29° 0	8°21	T 23
W24	14 29 54	8°56'36	11♎ 5	22°32	8°52	24° 5	10°28	5° 4	9°39	12°58	0°29	19°12	20°45	29° 7	8°25	W24
T 25	14 33 51	9°54'23	23°51	22°22	10° 4	24°36	10°42	5°10	9°37	13° 0	0°30	19° 6	20°42	29°14	8°30	T 25
F 26	14 37 47	10°52'09	6♏24	22° 8	11°16	25° 7	10°55	5°15	9°35	13° 2	0°30	18°59	20°39	29°20	8°34	F 26
S 27	14 41 44	11°49'53	18°44	21°50	12°28	25°38	11° 9	5°21	9°33	13° 5	0°31	18°55	20°36	29°27	8°38	S 27
S 28	14 45 40	12°47'36	0♐53	21°29	13°40	26° 9	11°22	5°27	9°31	13° 7	0°32	18°51	20°33	29°34	8°43	S 28
M29	14 49 37	13°45'18	12°53	21° 3	14°52	26°40	11°35	5°32	9°28	13° 9	0°32	18°50	20°29	29°40	8°48	M29
T 30	14 53 34	14♉42'58	24♐45	20♉35	16♊ 4	27♋11	11♈49	5♋38	9♐26	13♉11	0♓33	18°D50	20♐26	29♐47	8♋52	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	6n35	22s33	1s23	14n23	1n48	15n26	0n14	25n 7	2n12	1n 0	1s 8	23n16	0s15	22s 5	0n 1	13n52	1s46	23s57	13s23	23s13	23s19	23s 6	17n37	5s45
T 2	6 57	23 13	0 21	15 6	1 57	15 51	0 16	25 3	2 11	1 6	1 8	23 16	0 15	22 5	0 1	13 53	1 46	23 57	13 23	23 13	23 19	23 5	17 38	5 45
W 3	7 20	22 50	0n43	15 46	2 5	16 16	0 19	24 59	2 10	1 12	1 8	23 16	0 15	22 5	0 1	13 54	1 46	23 56	13 23	23 13	23 19	23 5	17 38	5 44
T 4	7 42	21 26	1 44	16 25	2 13	16 40	0 22	24 55	2 9	1 17	1 8	23 16	0 15	22 4	0 1	13 54	1 46	23 56	13 23	23 13	23 18	23 4	17 38	5 44
F 5	8 4	19 5	2 41	17 0	2 20	17 4	0 25	24 51	2 8	1 23	1 8	23 16	0 15	22 4	0 1	13 55	1 46	23 56	13 24	23 13	23 18	23 3	17 38	5 44
S 6	8 26	15 53	3 32	17 33	2 27	17 28	0 27	24 47	2 7	1 29	1 8	23 16	0 15	22 4	0 1	13 56	1 46	23 56	13 24	23 13	23 18	23 3	17 39	5 43
S 7	8 48	11 57	4 14	18 3	2 32	17 51	0 30	24 43	2 6	1 34	1 8	23 16	0 15	22 4	0 1	13 56	1 46	23 56	13 24	23 13	23 18	23 2	17 39	5 43
M 8	9 9	7 25	4 45	18 31	2 37	18 14	0 33	24 38	2 5	1 40	1 8	23 16	0 14	22 4	0 1	13 57	1 46	23 56	13 24	23 12	23 18	23 1	17 39	5 42
T 9	9 31	2 27	5 3	18 56	2 40	18 36	0 36	24 34	2 4	1 45	1 8	23 16	0 14	22 3	0 1	13 58	1 46	23 55	13 25	23 12	23 17	23 0	17 40	5 42
W10	9 52	2n47	5 5	19 18	2 43	18 58	0 38	24 29	2 3	1 51	1 8	23 16	0 14	22 3	0 1	13 58	1 46	23 55	13 25	23 11	23 17	23 0	17 40	5 41
T 11	10 14	8 2	4 49	19 38	2 45	19 20	0 41	24 24	2 2	1 56	1 8	23 16	0 14	22 3	0 1	13 59	1 46	23 55	13 25	23 10	23 17	22 59	17 40	5 41
F 12	10 35	13 0	4 16	19 55	2 46	19 40	0 44	24 20	2 1	2 2	1 8	23 16	0 14	22 3	0 1	14 0	1 46	23 55	13 26	23 10	23 17	22 58	17 40	5 41
S 13	10 56	17 20	3 26	20 9	2 46	20 1	0 47	24 15	2 0	2 7	1 8	23 16	0 14	22 3	0 1	14 0	1 46	23 55	13 26	23 9	23 17	22 57	17 41	5 40
S 14	11 17	20 40	2 22	20 20	2 44	20 20	0 49	24 10	1 59	2 13	1 8	23 16	0 14	22 2	0 1	14 1	1 46	23 55	13 26	23 9	23 16	22 56	17 41	5 40
M15	11 37	22 40	1 9	20 29	2 42	20 40	0 52	24 4	1 58	2 18	1 9	23 16	0 14	22 2	0 1	14 2	1 46	23 55	13 27	23 9	23 16	22 56	17 41	5 39
T 16	11 57	23 7	0s 9	20 36	2 39	20 58	0 55	23 59	1 57	2 24	1 9	23 16	0 14	22 2	0 1	14 2	1 46	23 55	13 27	23 9	23 16	22 55	17 41	5 39
W17	12 18	22 0	1 26	20 40	2 34	21 17	0 57	23 54	1 56	2 29	1 9	23 16	0 13	22 2	0 1	14 3	1 46	23 55	13 27	23 9	23 16	22 54	17 41	5 39
T 18	12 38	19 29	2 37	20 41	2 28	21 34	1 0	23 48	1 55	2 35	1 9	23 16	0 13	22 1	0 1	14 4	1 46	23 55	13 27	23 9	23 15	22 53	17 41	5 38
F 19	12 57	15 50	3 37	20 40	2 21	21 51	1 2	23 42	1 54	2 40	1 9	23 16	0 13	22 1	0 1	14 5	1 46	23 55	13 28	23 9	23 15	22 53	17 42	5 38
S 20	13 17	11 23	4 24	20 36	2 13	22 8	1 5	23 37	1 54	2 45	1 9	23 15	0 13	22 1	0 1	14 5	1 46	23 55	13 28	23 9	23 15	22 52	17 42	5 37
S 21	13 36	6 25	4 54	20 30	2 4	22 24	1 7	23 31	1 53	2 51	1 9	23 15	0 13	22 1	0 1	14 6	1 46	23 55	13 28	23 9	23 15	22 51	17 42	5 37
M22	13 55	1 14	5 9	20 21	1 54	22 39	1 10	23 25	1 52	2 56	1 9	23 15	0 13	22 0	0 1	14 7	1 46	23 55	13 29	23 8	23 15	22 50	17 42	5 37
T 23	14 14	3s55	5 6	20 10	1 43	22 53	1 12	23 19	1 51	3 1	1 9	23 15	0 13	22 0	0 1	14 7	1 46	23 55	13 29	23 8	23 14	22 49	17 42	5 36
W24	14 33	8 48	4 47	19 57	1 30	23 7	1 15	23 12	1 50	3 6	1 9	23 15	0 13	22 0	0 1	14 8	1 46	23 55	13 29	23 7	23 14	22 48	17 42	5 36
T 25	14 51	13 15	4 15	19 42	1 17	23 21	1 17	23 6	1 49	3 12	1 9	23 15	0 13	21 59	0 1	14 9	1 46	23 55	13 30	23 7	23 14	22 48	17 42	5 35
F 26	15 10	17 2	3 30	19 25	1 3	23 33	1 19	23 0	1 48	3 17	1 9	23 15	0 12	21 59	0 1	14 9	1 46	23 55	13 30	23 6	23 14	22 47	17 42	5 35
S 27	15 28	20 0	2 37	19 5	0 48	23 45	1 22	22 53	1 47	3 22	1 9	23 15	0 12	21 59	0 1	14 10	1 46	23 55	13 30	23 6	23 14	22 46	17 43	5 35
S 28	15 45	22 1	1 36	18 44	0 32	23 57	1 24	22 46	1 46	3 27	1 9	23 15	0 12	21 58	0 1	14 11	1 46	23 55	13 31	23 5	23 13	22 45	17 43	5 34
M29	16 3	23 0	0 32	18 22	0 16	24 8	1 26	22 39	1 46	3 32	1 10	23 15	0 12	21 58	0 1	14 11	1 46	23 55	13 31	23 5	23 13	22 44	17 43	5 34
T 30	16n20	22s55	0n32	17n58	0s 1	24n18	1n28	22n32	1n45	3n38	1s10	23n14	0s12	21s58	0n 1	14n12	1s46	23s55	13s31	23s 5	23s13	22s43	17n43	5s34

Julian Day Number = 2109043.5, Delta T = 19m54s
Ecliptic obliquity = 23°33'38, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°40'06, Lahiri = 10°47'07 Julian Calendar 1 Apr. 1062 == Greg. Calendar 7 Apr. 1062

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1062
geocentric

MAY 1062 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 57 30	15♉40'38	6♋33	20°R 5	17♊15	27♋43	12♈ 2	5♋44	9°R24	13♉14	0♓34	18♐51	20♐23	29♐54	8♋57	W 1
T 2	15 1 27	16°38'16	18°21	19♉33	18°27	28°14	12°15	5°50	9♐22	13°16	0°34	18°52	20°20	0♋ 0	9° 2	T 2
F 3	15 5 23	17°35'53	0♒14	18°59	19°39	28°46	12°28	5°56	9°20	13°18	0°35	18°54	20°17	0° 7	9° 6	F 3
S 4	15 9 20	18°33'29	12°16	18°25	20°50	29°18	12°41	6° 2	9°18	13°20	0°35	18°55	20°14	0°14	9°11	S 4
S 5	15 13 16	19°31'04	24°31	17°51	22° 2	29°50	12°54	6° 8	9°15	13°23	0°36	18°R55	20°10	0°20	9°16	S 5
M 6	15 17 13	20°28'38	7♓ 6	17°17	23°13	0♌22	13° 7	6°14	9°13	13°25	0°36	18°54	20° 7	0°27	9°21	M 6
T 7	15 21 9	21°26'11	20° 3	16°45	24°25	0°54	13°20	6°21	9°11	13°27	0°37	18°52	20° 4	0°34	9°26	T 7
W 8	15 25 6	22°23'43	3♈25	16°14	25°36	1°26	13°32	6°27	9° 8	13°29	0°37	18°49	20° 1	0°40	9°31	W 8
T 9	15 29 2	23°21'14	17°14	15°45	26°47	1°58	13°45	6°33	9° 6	13°32	0°38	18°45	19°58	0°47	9°37	T 9
F 10	15 32 59	24°18'44	1♉27	15°18	27°58	2°31	13°58	6°40	9° 4	13°34	0°38	18°42	19°54	0°53	9°42	F 10
S 11	15 36 56	25°16'14	16° 2	14°55	29°10	3° 3	14°10	6°46	9° 1	13°36	0°38	18°39	19°51	1° 0	9°47	S 11
S 12	15 40 52	26°13'42	0♊52	14°35	0♋21	3°36	14°23	6°53	8°59	13°38	0°39	18°37	19°48	1° 7	9°52	S 12
M13	15 44 49	27°11'10	15°49	14°19	1°32	4° 9	14°35	6°59	8°57	13°41	0°39	18°D36	19°45	1°13	9°58	M13
T 14	15 48 45	28° 8'36	0♋45	14° 7	2°43	4°41	14°48	7° 6	8°54	13°43	0°39	18°36	19°42	1°20	10° 3	T 14
W15	15 52 42	29° 6'01	15°32	13°59	3°53	5°14	15° 0	7°13	8°52	13°45	0°40	18°37	19°39	1°27	10° 9	W15
T 16	15 56 38	0♊ 3'26	0♌ 6	13°D55	5° 4	5°47	15°12	7°19	8°49	13°47	0°40	18°39	19°35	1°33	10°14	T 16
F 17	16 0 35	1° 0'48	14°21	13°56	6°15	6°21	15°24	7°26	8°47	13°49	0°40	18°40	19°32	1°40	10°20	F 17
S 18	16 4 32	1°58'10	28°16	14° 1	7°26	6°54	15°36	7°33	8°45	13°51	0°40	18°R40	19°29	1°47	10°25	S 18
S 19	16 8 28	2°55'30	11♍51	14°11	8°36	7°27	15°48	7°40	8°42	13°54	0°40	18°40	19°26	1°53	10°31	S 19
M20	16 12 25	3°52'50	25° 7	14°25	9°47	8° 0	16° 0	7°47	8°40	13°56	0°41	18°39	19°23	2° 0	10°37	M20
T 21	16 16 21	4°50'08	8♎ 4	14°43	10°57	8°34	16°12	7°54	8°37	13°58	0°41	18°38	19°20	2° 7	10°43	T 21
W22	16 20 18	5°47'25	20°46	15° 6	12° 8	9° 7	16°24	8° 1	8°35	14° 0	0°41	18°36	19°16	2°13	10°48	W22
T 23	16 24 14	6°44'42	3♏14	15°34	13°18	9°41	16°35	8° 8	8°32	14° 2	0°41	18°34	19°13	2°20	10°54	T 23
F 24	16 28 11	7°41'57	15°30	16° 5	14°28	10°15	16°47	8°15	8°30	14° 4	0°41	18°33	19°10	2°27	11° 0	F 24
S 25	16 32 7	8°39'12	27°37	16°42	15°38	10°49	16°58	8°22	8°27	14° 6	0°41	18°32	19° 7	2°33	11° 6	S 25
S 26	16 36 4	9°36'26	9♐35	17°22	16°48	11°22	17°10	8°29	8°25	14° 8	0°R41	18°31	19° 4	2°40	11°12	S 26
M27	16 40 1	10°33'40	21°28	18° 6	17°58	11°56	17°21	8°36	8°23	14°10	0°41	18°D31	19° 0	2°46	11°18	M27
T 28	16 43 57	11°30'53	3♑17	18°54	19° 8	12°31	17°32	8°43	8°20	14°13	0°41	18°31	18°57	2°53	11°24	T 28
W29	16 47 54	12°28'06	15° 5	19°47	20°18	13° 5	17°43	8°50	8°18	14°15	0°41	18°32	18°54	3° 0	11°30	W29
T 30	16 51 50	13°25'18	26°55	20°43	21°27	13°39	17°54	8°58	8°15	14°17	0°41	18°33	18°51	3° 6	11°36	T 30
F 31	16 55 47	14♊22'30	8♒49	21♉43	22♋37	14♌13	18♈ 5	9♋ 5	8♐13	14♉19	0♓41	18♐33	18♐48	3♋13	11♋42	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n37	21s48	1n36	17n33	0s18	24n27	1n31	22n25	1n44	3n43	1s10	23n14	0s12	21s58	0n 1	14n13	1s46	23s55	13s32	23s 5	23s13	22s42	17n43	5s33
T 2	16 54	19 44	2 35	17 8	0 36	24 36	1 33	22 18	1 43	3 48	1 10	23 14	0 12	21 57	0 1	14 13	1 46	23 55	13 32	23 6	23 12	22 42	17 43	5 33
F 3	17 10	16 49	3 28	16 42	0 53	24 44	1 35	22 11	1 42	3 53	1 10	23 14	0 12	21 57	0 1	14 14	1 46	23 55	13 33	23 6	23 12	22 41	17 43	5 33
S 4	17 26	13 10	4 12	16 16	1 11	24 51	1 37	22 3	1 41	3 58	1 10	23 14	0 12	21 57	0 1	14 15	1 46	23 56	13 33	23 6	23 12	22 40	17 43	5 32
S 5	17 42	8 55	4 46	15 50	1 28	24 57	1 38	21 55	1 40	4 3	1 10	23 14	0 11	21 56	0 1	14 15	1 46	23 56	13 33	23 6	23 12	22 39	17 43	5 32
M 6	17 58	4 11	5 8	15 25	1 44	25 3	1 40	21 48	1 40	4 8	1 10	23 13	0 11	21 56	0 1	14 16	1 46	23 56	13 34	23 6	23 11	22 38	17 43	5 32
T 7	18 13	0n51	5 14	15 0	2 0	25 9	1 42	21 40	1 39	4 13	1 10	23 13	0 11	21 56	0 1	14 17	1 46	23 56	13 34	23 5	23 11	22 37	17 43	5 31
W 8	18 28	6 1	5 4	14 37	2 15	25 13	1 44	21 32	1 38	4 17	1 10	23 13	0 11	21 55	0 1	14 17	1 46	23 56	13 34	23 5	23 11	22 36	17 43	5 31
T 9	18 42	11 3	4 36	14 15	2 30	25 17	1 46	21 24	1 37	4 22	1 11	23 13	0 11	21 55	0 1	14 18	1 46	23 56	13 35	23 5	23 11	22 35	17 43	5 31
F 10	18 57	15 39	3 51	13 54	2 43	25 20	1 47	21 16	1 36	4 27	1 11	23 13	0 11	21 55	0 1	14 19	1 46	23 57	13 35	23 5	23 10	22 34	17 42	5 31
S 11	19 11	19 26	2 50	13 36	2 56	25 22	1 49	21 7	1 35	4 32	1 11	23 12	0 11	21 54	0 1	14 19	1 46	23 57	13 35	23 4	23 10	22 34	17 42	5 30
S 12	19 24	22 0	1 36	13 19	3 7	25 24	1 50	20 59	1 35	4 37	1 11	23 12	0 11	21 54	0 1	14 20	1 46	23 57	13 36	23 4	23 10	22 33	17 42	5 30
M13	19 38	23 3	0 15	13 5	3 17	25 25	1 51	20 50	1 34	4 41	1 11	23 12	0 11	21 53	0 1	14 21	1 46	23 57	13 36	23 4	23 10	22 32	17 42	5 30
T 14	19 51	22 27	1s 7	12 52	3 26	25 25	1 53	20 41	1 33	4 46	1 11	23 12	0 11	21 53	0 1	14 21	1 46	23 57	13 36	23 4	23 9	22 31	17 42	5 29
W15	20 4	20 17	2 23	12 42	3 34	25 24	1 54	20 33	1 32	4 51	1 11	23 11	0 10	21 53	0 1	14 22	1 46	23 58	13 37	23 4	23 9	22 30	17 42	5 29
T 16	20 16	16 49	3 30	12 35	3 41	25 23	1 55	20 24	1 31	4 55	1 11	23 11	0 10	21 52	0 1	14 23	1 46	23 58	13 37	23 4	23 9	22 29	17 42	5 29
F 17	20 28	12 26	4 22	12 30	3 46	25 21	1 56	20 15	1 31	5 0	1 11	23 11	0 10	21 52	0 1	14 23	1 46	23 58	13 38	23 4	23 9	22 28	17 42	5 29
S 18	20 40	7 30	4 57	12 27	3 51	25 18	1 57	20 5	1 30	5 4	1 12	23 11	0 10	21 52	0 1	14 24	1 46	23 58	13 38	23 4	23 8	22 27	17 41	5 28
S 19	20 51	2 19	5 14	12 27	3 54	25 15	1 58	19 56	1 29	5 9	1 12	23 10	0 10	21 51	0 1	14 25	1 46	23 59	13 38	23 4	23 8	22 26	17 41	5 28
M20	21 2	2s51	5 14	12 29	3 56	25 11	1 59	19 47	1 28	5 13	1 12	23 10	0 10	21 51	0 1	14 25	1 46	23 59	13 39	23 4	23 8	22 25	17 41	5 28
T 21	21 13	7 47	4 58	12 34	3 57	25 6	2 0	19 37	1 27	5 18	1 12	23 10	0 10	21 50	0 1	14 26	1 46	23 59	13 39	23 4	23 8	22 24	17 41	5 28
W22	21 23	12 17	4 28	12 40	3 57	25 0	2 1	19 27	1 27	5 22	1 12	23 9	0 10	21 50	0 1	14 26	1 46	23 59	13 39	23 4	23 7	22 23	17 41	5 28
T 23	21 33	16 11	3 46	12 49	3 56	24 54	2 1	19 18	1 26	5 27	1 12	23 9	0 10	21 50	0 1	14 27	1 46	24 0	13 40	23 4	23 7	22 22	17 40	5 27
F 24	21 42	19 19	2 53	13 0	3 54	24 47	2 2	19 8	1 25	5 31	1 12	23 9	0 10	21 49	0 1	14 28	1 46	24 0	13 40	23 4	23 7	22 21	17 40	5 27
S 25	21 51	21 34	1 53	13 13	3 51	24 40	2 2	18 58	1 24	5 35	1 13	23 8	0 9	21 49	0 1	14 28	1 46	24 0	13 40	23 4	23 7	22 20	17 40	5 27
S 26	22 0	22 49	0 49	13 28	3 47	24 31	2 3	18 48	1 24	5 39	1 13	23 8	0 9	21 49	0 1	14 29	1 46	24 1	13 41	23 4	23 6	22 19	17 39	5 27
M27	22 9	23 1	0n16	13 45	3 43	24 23	2 3	18 37	1 23	5 44	1 13	23 8	0 9	21 48	0 1	14 29	1 46	24 1	13 41	23 4	23 6	22 18	17 39	5 27
T 28	22 17	22 10	1 21	14 3	3 37	24 13	2 3	18 27	1 22	5 48	1 13	23 7	0 9	21 48	0 1	14 30	1 46	24 1	13 41	23 4	23 6	22 17	17 39	5 26
W29	22 24	20 21	2 22	14 23	3 31	24 3	2 3	18 16	1 21	5 52	1 13	23 7	0 9	21 47	0 1	14 31	1 46	24 2	13 42	23 4	23 6	22 16	17 38	5 26
T 30	22 32	17 39	3 18	14 44	3 24	23 52	2 3	18 6	1 20	5 56	1 13	23 6	0 9	21 47	0 1	14 31	1 46	24 2	13 42	23 4	23 5	22 15	17 38	5 26
F 31	22n38	14s12	4n 5	15n 7	3s17	23n40	2n 3	17n55	1n20	6n 0	1s13	23n 6	0s 9	21s47	0n 1	14n32	1s46	24s 3	13s43	23s 4	23s 5	22s14	17n38	5s26

Julian Day Number = 2109073.5, Delta T = 19m54s
Ecliptic obliquity = 23°33'37, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°40'10, Lahiri = 10°47'11 Julian Calendar 1 May 1062 == Greg. Calendar 7 May 1062

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1062
geocentric

JUNE 1062 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 59 43	15♊19'42	20♒52	22♉47	23♋47	14♌47	18♈16	9♋12	8°R10	14♉21	0°R41	18♐33	18♐45	3♑20	11♋49	S 1
S 2	17 3 40	16°16'54	3♓ 8	23°54	24°56	15°22	18°27	9°20	8♐ 8	14°23	0♓40	18°34	18°41	3°26	11°55	S 2
M 3	17 7 36	17°14'05	15°41	25° 5	26° 5	15°56	18°37	9°27	8° 5	14°25	0°40	18°R34	18°38	3°33	12° 1	M 3
T 4	17 11 33	18°11'17	28°34	26°20	27°14	16°31	18°48	9°35	8° 3	14°26	0°40	18°D34	18°35	3°40	12° 7	T 4
W 5	17 15 30	19° 8'28	11♈52	27°38	28°24	17° 6	18°58	9°42	8° 1	14°28	0°40	18°34	18°32	3°46	12°14	W 5
T 6	17 19 26	20° 5'39	25°35	29° 0	29°33	17°40	19° 9	9°49	7°58	14°30	0°40	18°34	18°29	3°53	12°20	T 6
F 7	17 23 23	21° 2'51	9♉44	0♊25	0♌42	18°15	19°19	9°57	7°56	14°32	0°39	18°34	18°26	4° 0	12°26	F 7
S 8	17 27 19	22° 0'02	24°19	1°54	1°50	18°50	19°29	10° 5	7°54	14°34	0°39	18°34	18°22	4° 6	12°33	S 8
S 9	17 31 16	22°57'14	9♊12	3°26	2°59	19°25	19°39	10°12	7°51	14°36	0°39	18°34	18°19	4°13	12°39	S 9
M10	17 35 12	23°54'26	24°19	5° 2	4° 8	20° 0	19°49	10°20	7°49	14°38	0°38	18°R34	18°16	4°20	12°45	M10
T 11	17 39 9	24°51'37	9♋29	6°40	5°16	20°35	19°58	10°27	7°47	14°40	0°38	18°34	18°13	4°26	12°52	T 11
W12	17 43 5	25°48'48	24°34	8°22	6°25	21°11	20° 8	10°35	7°44	14°41	0°38	18°34	18°10	4°33	12°58	W12
T 13	17 47 2	26°45'59	9♌24	10° 7	7°33	21°46	20°18	10°42	7°42	14°43	0°37	18°33	18° 6	4°40	13° 5	T 13
F 14	17 50 59	27°43'10	23°54	11°56	8°41	22°21	20°27	10°50	7°40	14°45	0°37	18°32	18° 3	4°46	13°11	F 14
S 15	17 54 55	28°40'21	7♍59	13°47	9°49	22°57	20°36	10°58	7°37	14°47	0°36	18°31	18° 0	4°53	13°18	S 15
S 16	17 58 52	29°37'31	21°39	15°40	10°57	23°32	20°45	11° 5	7°35	14°49	0°36	18°30	17°57	5° 0	13°25	S 16
M17	18 2 48	0♋34'41	4♎54	17°37	12° 5	24° 8	20°54	11°13	7°33	14°50	0°35	18°D30	17°54	5° 6	13°31	M17
T 18	18 6 45	1°31'51	17°46	19°36	13°13	24°43	21° 3	11°21	7°31	14°52	0°35	18°31	17°51	5°13	13°38	T 18
W19	18 10 41	2°29'00	0♏19	21°37	14°20	25°19	21°12	11°29	7°29	14°54	0°34	18°32	17°47	5°19	13°44	W19
T 20	18 14 38	3°26'10	12°36	23°40	15°27	25°55	21°21	11°36	7°27	14°55	0°34	18°33	17°44	5°26	13°51	T 20
F 21	18 18 34	4°23'20	24°41	25°45	16°35	26°31	21°29	11°44	7°24	14°57	0°33	18°34	17°41	5°33	13°58	F 21
S 22	18 22 31	5°20'30	6♐37	27°51	17°42	27° 7	21°38	11°52	7°22	14°58	0°33	18°35	17°38	5°39	14° 4	S 22
S 23	18 26 28	6°17'40	18°29	29°58	18°49	27°42	21°46	12° 0	7°20	15° 0	0°32	18°R36	17°35	5°46	14°11	S 23
M24	18 30 24	7°14'50	0♑17	2♋ 6	19°56	28°18	21°54	12° 7	7°18	15° 2	0°31	18°35	17°32	5°53	14°18	M24
T 25	18 34 21	8°12'01	12° 5	4°15	21° 2	28°55	22° 2	12°15	7°16	15° 3	0°31	18°34	17°28	5°59	14°24	T 25
W26	18 38 17	9° 9'12	23°55	6°24	22° 9	29°31	22°10	12°23	7°14	15° 5	0°30	18°32	17°25	6° 6	14°31	W26
T 27	18 42 14	10° 6'23	5♒50	8°32	23°15	0♍ 7	22°17	12°31	7°12	15° 6	0°29	18°28	17°22	6°13	14°38	T 27
F 28	18 46 10	11° 3'35	17°50	10°41	24°21	0°43	22°25	12°38	7°10	15° 7	0°29	18°25	17°19	6°19	14°44	F 28
S 29	18 50 7	12° 0'48	29°59	12°49	25°27	1°20	22°32	12°46	7° 9	15° 9	0°28	18°21	17°16	6°26	14°51	S 29
S 30	18 54 4	12♋58'01	12♓20	14♋56	26♌33	1♍56	22♈40	12♋54	7♐ 7	15♉10	0♓27	18♐18	17♐12	6♑33	14♋58	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n45	10s10	4n42	15n31	3s 9	23n28	2n 3	17n44	1n19	6n 4	1s14	23n 6	0s 9	21s46	0n 1	14n32	1s46	24s 3	13s43	23s 4	23s 5	22s13	17n37	5s26
S 2	22 51	5 38	5 6	15 56	3 0	23 15	2 2	17 33	1 18	6 8	1 14	23 5	0 9	21 46	0 1	14 33	1 46	24 3	13 43	23 4	23 5	22 12	17 37	5 26
M 3	22 57	0 48	5 17	16 22	2 51	23 2	2 2	17 22	1 17	6 12	1 14	23 5	0 9	21 46	0 1	14 33	1 46	24 4	13 44	23 4	23 4	22 11	17 37	5 25
T 4	23 2	4n13	5 13	16 49	2 41	22 48	2 1	17 11	1 17	6 16	1 14	23 4	0 8	21 45	0 1	14 34	1 46	24 4	13 44	23 4	23 4	22 10	17 36	5 25
W 5	23 7	9 11	4 52	17 17	2 31	22 34	2 1	17 0	1 16	6 19	1 14	23 4	0 8	21 45	0 0	14 34	1 46	24 4	13 44	23 4	23 4	22 9	17 36	5 25
T 6	23 11	13 52	4 14	17 45	2 21	22 18	2 0	16 48	1 15	6 23	1 14	23 3	0 8	21 44	0 0	14 35	1 46	24 5	13 45	23 4	23 3	22 8	17 35	5 25
F 7	23 15	17 57	3 20	18 14	2 10	22 3	1 59	16 37	1 14	6 27	1 15	23 3	0 8	21 44	0 0	14 36	1 46	24 5	13 45	23 4	23 3	22 7	17 35	5 25
S 8	23 19	21 3	2 11	18 43	1 59	21 46	1 58	16 25	1 14	6 31	1 15	23 2	0 8	21 44	0 0	14 36	1 46	24 6	13 45	23 4	23 3	22 6	17 34	5 25
S 9	23 22	22 48	0 52	19 12	1 47	21 30	1 57	16 14	1 13	6 34	1 15	23 2	0 8	21 43	0 0	14 37	1 46	24 6	13 46	23 4	23 3	22 5	17 34	5 25
M10	23 25	22 54	0s32	19 41	1 35	21 12	1 56	16 2	1 12	6 38	1 15	23 1	0 8	21 43	0 0	14 37	1 46	24 7	13 46	23 4	23 2	22 4	17 33	5 25
T 11	23 28	21 20	1 54	20 10	1 24	20 54	1 55	15 50	1 12	6 41	1 15	23 1	0 8	21 43	0 0	14 38	1 46	24 7	13 46	23 4	23 2	22 3	17 33	5 25
W12	23 30	18 15	3 7	20 38	1 11	20 36	1 54	15 38	1 11	6 45	1 15	23 0	0 8	21 42	0 0	14 38	1 46	24 8	13 47	23 4	23 2	22 2	17 32	5 24
T 13	23 31	14 2	4 6	21 6	0 59	20 17	1 52	15 26	1 10	6 48	1 16	23 0	0 8	21 42	0 0	14 39	1 46	24 8	13 47	23 4	23 1	22 1	17 32	5 24
F 14	23 32	9 5	4 49	21 33	0 47	19 58	1 51	15 13	1 9	6 51	1 16	22 59	0 8	21 41	0 0	14 39	1 46	24 8	13 47	23 4	23 1	21 59	17 31	5 24
S 15	23 33	3 47	5 12	21 59	0 35	19 38	1 49	15 1	1 9	6 55	1 16	22 59	0 7	21 41	0 0	14 40	1 46	24 9	13 48	23 4	23 1	21 58	17 31	5 24
S 16	23 34	1s31	5 17	22 24	0 23	19 17	1 47	14 49	1 8	6 58	1 16	22 58	0 7	21 41	0 0	14 40	1 46	24 9	13 48	23 4	23 1	21 57	17 30	5 24
M17	23 34	6 36	5 4	22 48	0 11	18 57	1 46	14 36	1 7	7 1	1 16	22 58	0 7	21 40	0 0	14 40	1 46	24 10	13 48	23 4	23 0	21 56	17 30	5 24
T 18	23 33	11 16	4 37	23 9	0n 0	18 35	1 44	14 23	1 6	7 4	1 17	22 57	0 7	21 40	0 0	14 41	1 46	24 10	13 49	23 4	23 0	21 55	17 29	5 24
W19	23 32	15 20	3 57	23 29	0 11	18 14	1 41	14 11	1 6	7 8	1 17	22 57	0 7	21 40	0 0	14 41	1 47	24 11	13 49	23 4	23 0	21 54	17 28	5 24
T 20	23 31	18 39	3 7	23 47	0 22	17 52	1 39	13 58	1 5	7 11	1 17	22 56	0 7	21 39	0 0	14 42	1 47	24 11	13 49	23 4	22 59	21 53	17 28	5 24
F 21	23 29	21 7	2 9	24 2	0 33	17 29	1 37	13 45	1 4	7 14	1 17	22 55	0 7	21 39	0 0	14 42	1 47	24 12	13 50	23 4	22 59	21 52	17 27	5 24
S 22	23 27	22 36	1 6	24 15	0 43	17 6	1 35	13 32	1 4	7 17	1 17	22 55	0 7	21 39	0 0	14 43	1 47	24 12	13 50	23 4	22 59	21 51	17 26	5 24
S 23	23 25	23 4	0 1	24 26	0 52	16 43	1 32	13 19	1 3	7 19	1 18	22 54	0 7	21 38	0 0	14 43	1 47	24 13	13 50	23 4	22 59	21 50	17 26	5 24
M24	23 22	22 29	1n 4	24 33	1 1	16 19	1 29	13 6	1 2	7 22	1 18	22 54	0 7	21 38	0 0	14 43	1 47	24 13	13 51	23 4	22 58	21 48	17 25	5 24
T 25	23 18	20 55	2 6	24 38	1 9	15 55	1 27	12 52	1 1	7 25	1 18	22 53	0 7	21 38	0 0	14 44	1 47	24 14	13 51	23 4	22 58	21 47	17 24	5 24
W26	23 15	18 26	3 3	24 40	1 16	15 31	1 24	12 39	1 1	7 28	1 18	22 52	0 6	21 37	0 0	14 44	1 47	24 14	13 51	23 4	22 58	21 46	17 24	5 24
T 27	23 10	15 10	3 52	24 39	1 23	15 6	1 21	12 25	1 0	7 30	1 18	22 52	0 6	21 37	0 0	14 45	1 47	24 15	13 51	23 3	22 57	21 45	17 23	5 24
F 28	23 6	11 16	4 31	24 36	1 28	14 41	1 18	12 12	0 59	7 33	1 19	22 51	0 6	21 37	0 0	14 45	1 47	24 16	13 52	23 3	22 57	21 44	17 22	5 24
S 29	23 1	6 52	4 58	24 30	1 34	14 16	1 15	11 58	0 59	7 36	1 19	22 50	0 6	21 36	0 0	14 45	1 47	24 16	13 52	23 3	22 57	21 43	17 22	5 24
S 30	22n55	2s 9	5n13	24n21	1n38	13n51	1n11	11n44	0n58	7n38	1s19	22n50	0s 6	21s36	0n 0	14n46	1s47	24s17	13s52	23s 3	22s56	21s41	17n21	5s24

Julian Day Number = 2109104.5, Delta T = 19m53s
Ecliptic obliquity = 23°33'37, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°40'15, Lahiri = 10°47'15 Julian Calendar 1 June 1062 == Greg. Calendar 7 June 1062

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1062
geocentric

JULY 1062 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 58 0	13♋55'15	24♓54	17♋ 2	27♌39	2♍32	22♈47	13♋ 2	7°R 5	15♉12	0°R26	18°R16	17♐ 9	6♑39	15♋ 5	M 1
T 2	19 1 57	14°52'30	7♈46	19° 7	28°44	3° 9	22°54	13°10	7♐ 3	15°13	0♓25	18♐14	17° 6	6°46	15°11	T 2
W 3	19 5 53	15°49'46	20°59	21°10	29°49	3°46	23° 0	13°17	7° 1	15°14	0°25	18°D14	17° 3	6°53	15°18	W 3
T 4	19 9 50	16°47'03	4♉33	23°13	0♍54	4°22	23° 7	13°25	7° 0	15°16	0°24	18°15	17° 0	6°59	15°25	T 4
F 5	19 13 46	17°44'21	18°32	25°14	1°59	4°59	23°13	13°33	6°58	15°17	0°23	18°17	16°57	7° 6	15°31	F 5
S 6	19 17 43	18°41'40	2♊55	27°13	3° 4	5°36	23°20	13°41	6°56	15°18	0°22	18°18	16°53	7°13	15°38	S 6
S 7	19 21 39	19°39'00	17°40	29°11	4° 8	6°13	23°26	13°48	6°55	15°19	0°21	18°R19	16°50	7°19	15°45	S 7
M 8	19 25 36	20°36'21	2♋41	1♌ 7	5°13	6°50	23°32	13°56	6°53	15°20	0°20	18°18	16°47	7°26	15°52	M 8
T 9	19 29 33	21°33'42	17°51	3° 2	6°17	7°27	23°38	14° 4	6°52	15°22	0°19	18°16	16°44	7°33	15°58	T 9
W10	19 33 29	22°31'05	3♌ 0	4°55	7°21	8° 4	23°44	14°12	6°50	15°23	0°19	18°12	16°41	7°39	16° 5	W10
T 11	19 37 26	23°28'28	17°59	6°46	8°24	8°41	23°49	14°19	6°49	15°24	0°18	18° 7	16°38	7°46	16°12	T 11
F 12	19 41 22	24°25'52	2♍39	8°36	9°28	9°18	23°54	14°27	6°47	15°25	0°17	18° 2	16°34	7°53	16°19	F 12
S 13	19 45 19	25°23'17	16°54	10°24	10°31	9°55	24° 0	14°35	6°46	15°26	0°16	17°57	16°31	7°59	16°25	S 13
S 14	19 49 15	26°20'42	0♎41	12°10	11°34	10°33	24° 5	14°42	6°45	15°27	0°15	17°53	16°28	8° 6	16°32	S 14
M15	19 53 12	27°18'08	14° 0	13°55	12°36	11°10	24° 9	14°50	6°43	15°28	0°14	17°51	16°25	8°12	16°39	M15
T 16	19 57 8	28°15'35	26°53	15°38	13°39	11°48	24°14	14°58	6°42	15°29	0°13	17°D50	16°22	8°19	16°45	T 16
W17	20 1 5	29°13'03	9♏23	17°20	14°41	12°25	24°19	15° 5	6°41	15°30	0°12	17°50	16°18	8°26	16°52	W17
T 18	20 5 2	0♌10'31	21°36	19° 0	15°43	13° 3	24°23	15°13	6°40	15°31	0°11	17°52	16°15	8°32	16°59	T 18
F 19	20 8 58	1° 8'00	3♐36	20°38	16°44	13°40	24°27	15°21	6°39	15°31	0° 9	17°53	16°12	8°39	17° 5	F 19
S 20	20 12 55	2° 5'31	15°28	22°15	17°46	14°18	24°31	15°28	6°38	15°32	0° 8	17°R54	16° 9	8°46	17°12	S 20
S 21	20 16 51	3° 3'02	27°16	23°50	18°46	14°56	24°35	15°36	6°37	15°33	0° 7	17°53	16° 6	8°52	17°19	S 21
M22	20 20 48	4° 0'34	9♑ 4	25°24	19°47	15°34	24°38	15°43	6°36	15°34	0° 6	17°51	16° 3	8°59	17°25	M22
T 23	20 24 44	4°58'07	20°54	26°56	20°47	16°11	24°42	15°51	6°35	15°35	0° 5	17°47	15°59	9° 6	17°32	T 23
W24	20 28 41	5°55'42	2♒50	28°26	21°47	16°49	24°45	15°58	6°34	15°35	0° 4	17°40	15°56	9°12	17°38	W24
T 25	20 32 37	6°53'18	14°53	29°55	22°47	17°27	24°48	16° 6	6°33	15°36	0° 3	17°32	15°53	9°19	17°45	T 25
F 26	20 36 34	7°50'55	27° 4	1♍22	23°46	18° 5	24°51	16°13	6°32	15°37	0° 2	17°23	15°50	9°26	17°51	F 26
S 27	20 40 31	8°48'33	9♓25	2°48	24°45	18°43	24°54	16°21	6°32	15°37	0° 1	17°14	15°47	9°32	17°58	S 27
S 28	20 44 27	9°46'13	21°57	4°12	25°43	19°22	24°56	16°28	6°31	15°38	29♒59	17° 5	15°43	9°39	18° 4	S 28
M29	20 48 24	10°43'54	4♈40	5°34	26°41	20° 0	24°58	16°35	6°30	15°38	29°58	16°58	15°40	9°46	18°11	M29
T 30	20 52 20	11°41'37	17°38	6°55	27°39	20°38	25° 0	16°43	6°30	15°39	29°57	16°54	15°37	9°52	18°17	T 30
W31	20 56 17	12♌39'22	0♉51	8♍13	28♍36	21♍17	25♈ 2	16♋50	6♐29	15♉39	29♒56	16♐51	15♐34	9♑59	18♋24	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n50	2n44	5n12	24n 9	1n42	13n25	1n 8	11n31	0n57	7n41	1s19	22n49	0s 6	21s36	0n 0	14n46	1s47	24s17	13s53	23s 2	22s56	21s40	17n20	5s24
T 2	22 44	7 38	4 56	23 55	1 44	12 59	1 4	11 17	0 57	7 43	1 19	22 48	0 6	21 36	0 0	14 46	1 47	24 18	13 53	23 2	22 56	21 39	17 19	5 24
W 3	22 37	12 18	4 25	23 38	1 47	12 32	1 1	11 3	0 56	7 45	1 20	22 48	0 6	21 35	0 0	14 47	1 47	24 18	13 53	23 2	22 56	21 38	17 18	5 24
T 4	22 30	16 31	3 37	23 20	1 48	12 6	0 57	10 49	0 55	7 48	1 20	22 47	0 6	21 35	0 0	14 47	1 47	24 19	13 53	23 2	22 55	21 37	17 18	5 24
F 5	22 23	19 56	2 36	22 59	1 49	11 39	0 53	10 34	0 54	7 50	1 20	22 46	0 6	21 35	0 0	14 47	1 47	24 19	13 54	23 2	22 55	21 36	17 17	5 24
S 6	22 15	22 13	1 23	22 36	1 49	11 12	0 49	10 20	0 54	7 52	1 20	22 46	0 6	21 35	0 0	14 48	1 47	24 20	13 54	23 3	22 55	21 34	17 16	5 24
S 7	22 7	23 3	0 4	22 11	1 48	10 44	0 45	10 6	0 53	7 54	1 21	22 45	0 6	21 34	0 0	14 48	1 47	24 21	13 54	23 3	22 54	21 33	17 15	5 25
M 8	21 58	22 14	1s18	21 45	1 47	10 17	0 41	9 52	0 52	7 56	1 21	22 44	0 5	21 34	0 0	14 48	1 47	24 21	13 55	23 3	22 54	21 32	17 14	5 25
T 9	21 49	19 49	2 35	21 17	1 45	9 49	0 36	9 37	0 52	7 58	1 21	22 43	0 5	21 34	0 0	14 49	1 47	24 22	13 55	23 2	22 54	21 31	17 13	5 25
W10	21 40	16 1	3 40	20 48	1 43	9 21	0 32	9 22	0 51	8 0	1 21	22 43	0 5	21 34	0 0	14 49	1 48	24 22	13 55	23 2	22 53	21 30	17 13	5 25
T 11	21 30	11 14	4 30	20 17	1 40	8 53	0 27	9 8	0 50	8 2	1 21	22 42	0 5	21 33	0 0	14 49	1 48	24 23	13 55	23 2	22 53	21 28	17 12	5 25
F 12	21 20	5 55	5 0	19 45	1 37	8 25	0 23	8 53	0 50	8 3	1 22	22 41	0 5	21 33	0 0	14 49	1 48	24 23	13 55	23 1	22 53	21 27	17 11	5 25
S 13	21 10	0 25	5 11	19 12	1 33	7 56	0 18	8 38	0 49	8 5	1 22	22 41	0 5	21 33	0 0	14 50	1 48	24 24	13 56	23 1	22 52	21 26	17 10	5 25
S 14	20 59	4s55	5 4	18 39	1 28	7 28	0 13	8 24	0 48	8 7	1 22	22 40	0 5	21 33	0 0	14 50	1 48	24 25	13 56	23 0	22 52	21 25	17 9	5 25
M15	20 48	9 50	4 40	18 4	1 24	6 59	0 8	8 9	0 47	8 8	1 22	22 39	0 5	21 32	0 0	14 50	1 48	24 25	13 56	23 0	22 52	21 24	17 8	5 25
T 16	20 37	14 10	4 2	17 28	1 18	6 31	0 3	7 54	0 47	8 10	1 23	22 38	0 5	21 32	0 0	14 50	1 48	24 26	13 56	23 0	22 51	21 22	17 7	5 26
W17	20 25	17 45	3 14	16 52	1 13	6 2	0s 2	7 39	0 46	8 11	1 23	22 37	0 5	21 32	0 0	14 51	1 48	24 26	13 57	23 0	22 51	21 21	17 6	5 26
T 18	20 13	20 29	2 18	16 15	1 7	5 33	0 7	7 24	0 45	8 13	1 23	22 37	0 5	21 32	0 0	14 51	1 48	24 27	13 57	23 0	22 51	21 20	17 5	5 26
F 19	20 0	22 14	1 17	15 38	1 0	5 4	0 13	7 8	0 45	8 14	1 23	22 36	0 4	21 32	0 0	14 51	1 48	24 27	13 57	23 0	22 50	21 19	17 4	5 26
S 20	19 48	22 59	0 13	15 1	0 54	4 35	0 18	6 53	0 44	8 15	1 24	22 35	0 4	21 31	0 0	14 51	1 48	24 28	13 57	23 0	22 50	21 17	17 3	5 26
S 21	19 34	22 41	0n51	14 23	0 47	4 6	0 24	6 38	0 43	8 16	1 24	22 34	0 4	21 31	0 0	14 51	1 48	24 29	13 57	23 0	22 50	21 16	17 2	5 26
M22	19 21	21 23	1 52	13 44	0 39	3 37	0 29	6 23	0 43	8 17	1 24	22 34	0 4	21 31	0 0	14 51	1 48	24 29	13 58	23 0	22 49	21 15	17 1	5 27
T 23	19 7	19 9	2 49	13 6	0 32	3 8	0 35	6 7	0 42	8 18	1 24	22 33	0 4	21 31	0 0	14 52	1 48	24 30	13 58	23 0	22 49	21 14	17 0	5 27
W24	18 53	16 5	3 38	12 27	0 24	2 39	0 41	5 52	0 41	8 19	1 25	22 32	0 4	21 31	0 0	14 52	1 48	24 30	13 58	22 59	22 49	21 12	16 59	5 27
T 25	18 39	12 20	4 19	11 48	0 16	2 9	0 47	5 36	0 41	8 20	1 25	22 31	0 4	21 31	0s 0	14 52	1 48	24 31	13 58	22 58	22 48	21 11	16 58	5 27
F 26	18 24	8 3	4 48	11 10	0 8	1 40	0 53	5 21	0 40	8 21	1 25	22 30	0 4	21 31	0 0	14 52	1 48	24 31	13 58	22 57	22 48	21 10	16 57	5 27
S 27	18 9	3 24	5 3	10 31	0s 1	1 11	0 59	5 5	0 39	8 22	1 25	22 30	0 4	21 31	0 0	14 52	1 48	24 32	13 58	22 57	22 48	21 9	16 56	5 28
S 28	17 54	1n28	5 5	9 52	0 10	0 42	1 6	4 49	0 39	8 23	1 26	22 29	0 4	21 30	0 0	14 52	1 49	24 33	13 59	22 56	22 47	21 7	16 55	5 28
M29	17 38	6 20	4 52	9 14	0 18	0 13	1 12	4 34	0 38	8 23	1 26	22 28	0 4	21 30	0 0	14 52	1 49	24 33	13 59	22 55	22 47	21 6	16 54	5 28
T 30	17 22	11 1	4 24	8 36	0 27	0s16	1 19	4 18	0 37	8 24	1 26	22 27	0 4	21 30	0 0	14 52	1 49	24 34	13 59	22 55	22 47	21 5	16 53	5 28
W31	17n 6	15n16	3n41	7n58	0s37	0s45	1s25	4n 2	0n37	8n24	1s26	22n26	0s 3	21s30	0s 0	14n53	1s49	24s34	13s59	22s54	22s46	21s 3	16n52	5s29

Julian Day Number = 2109134.5, Delta T = 19m53s
Ecliptic obliquity = 23°33'36, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°40'19, Lahiri = 10°47'19 Julian Calendar 1 July 1062 == Greg. Calendar 7 July 1062

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1062
geocentric

AUGUST 1062 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 0 13	13♌37'08	14♉21	9♍30	29♍33	21♍55	25♈ 4	16♋57	6°R29	15♉40	29°R55	16°D50	15♐31	10♑ 6	18♋30	T 1
F 2	21 4 10	14°34'56	28°10	10°45	0♎29	22°33	25° 6	17° 4	6♐28	15°40	29♒54	16♐51	15°28	10°12	18°36	F 2
S 3	21 8 6	15°32'46	12♊19	11°58	1°25	23°12	25° 7	17°12	6°28	15°40	29°52	16°R51	15°24	10°19	18°43	S 3
S 4	21 12 3	16°30'38	26°47	13°10	2°21	23°51	25° 8	17°19	6°28	15°41	29°51	16°51	15°21	10°26	18°49	S 4
M 5	21 16 0	17°28'32	11♋31	14°19	3°16	24°29	25° 9	17°26	6°27	15°41	29°50	16°49	15°18	10°32	18°55	M 5
T 6	21 19 56	18°26'28	26°26	15°26	4°10	25° 8	25°10	17°33	6°27	15°41	29°49	16°44	15°15	10°39	19° 2	T 6
W 7	21 23 53	19°24'25	11♌25	16°30	5° 4	25°47	25°10	17°40	6°27	15°42	29°47	16°37	15°12	10°46	19° 8	W 7
T 8	21 27 49	20°22'23	26°18	17°32	5°57	26°26	25°10	17°47	6°27	15°42	29°46	16°28	15° 9	10°52	19°14	T 8
F 9	21 31 46	21°20'24	10♍56	18°32	6°50	27° 5	25°R11	17°54	6°27	15°42	29°45	16°18	15° 5	10°59	19°20	F 9
S 10	21 35 42	22°18'25	25°13	19°29	7°42	27°44	25°10	18° 1	6°D27	15°42	29°44	16° 9	15° 2	11° 6	19°26	S 10
S 11	21 39 39	23°16'29	9♎ 3	20°24	8°34	28°23	25°10	18° 8	6°27	15°42	29°43	16° 0	14°59	11°12	19°32	S 11
M12	21 43 35	24°14'33	22°25	21°15	9°25	29° 2	25°10	18°15	6°27	15°42	29°41	15°54	14°56	11°19	19°38	M12
T 13	21 47 32	25°12'40	5♏21	22° 3	10°15	29°41	25° 9	18°21	6°27	15°42	29°40	15°50	14°53	11°26	19°44	T 13
W14	21 51 29	26°10'47	17°53	22°48	11° 5	0♎20	25° 8	18°28	6°27	15°R42	29°39	15°48	14°49	11°32	19°50	W14
T 15	21 55 25	27° 8'57	0♐ 6	23°29	11°53	1° 0	25° 7	18°35	6°27	15°42	29°38	15°D48	14°46	11°39	19°56	T 15
F 16	21 59 22	28° 7'07	12° 5	24° 6	12°42	1°39	25° 6	18°41	6°28	15°42	29°36	15°R48	14°43	11°46	20° 2	F 16
S 17	22 3 18	29° 5'20	23°56	24°39	13°29	2°18	25° 4	18°48	6°28	15°42	29°35	15°48	14°40	11°52	20° 8	S 17
S 18	22 7 15	0♏ 3'34	5♑44	25° 8	14°15	2°58	25° 3	18°55	6°28	15°42	29°34	15°46	14°37	11°59	20°14	S 18
M19	22 11 11	1° 1'49	17°33	25°32	15° 1	3°37	25° 1	19° 1	6°29	15°42	29°33	15°42	14°34	12° 6	20°19	M19
T 20	22 15 8	2° 0'06	29°28	25°51	15°46	4°17	24°59	19° 7	6°29	15°42	29°31	15°36	14°30	12°12	20°25	T 20
W21	22 19 4	2°58'25	11♒31	26° 5	16°30	4°57	24°56	19°14	6°30	15°41	29°30	15°26	14°27	12°19	20°31	W21
T 22	22 23 1	3°56'45	23°45	26°13	17°13	5°36	24°54	19°20	6°30	15°41	29°29	15°15	14°24	12°26	20°36	T 22
F 23	22 26 57	4°55'08	6♓10	26°R15	17°55	6°16	24°51	19°26	6°31	15°41	29°27	15° 2	14°21	12°32	20°42	F 23
S 24	22 30 54	5°53'32	18°48	26°11	18°35	6°56	24°48	19°33	6°32	15°40	29°26	14°48	14°18	12°39	20°47	S 24
S 25	22 34 51	6°51'58	1♈37	26° 0	19°15	7°36	24°45	19°39	6°32	15°40	29°25	14°36	14°15	12°46	20°53	S 25
M26	22 38 47	7°50'26	14°38	25°43	19°54	8°16	24°42	19°45	6°33	15°40	29°24	14°26	14°11	12°52	20°58	M26
T 27	22 42 44	8°48'57	27°51	25°19	20°32	8°56	24°39	19°51	6°34	15°39	29°23	14°18	14° 8	12°59	21° 4	T 27
W28	22 46 40	9°47'29	11♉14	24°48	21° 8	9°36	24°35	19°57	6°35	15°39	29°21	14°14	14° 5	13° 5	21° 9	W28
T 29	22 50 37	10°46'04	24°49	24°10	21°43	10°16	24°31	20° 3	6°36	15°38	29°20	14°12	14° 2	13°12	21°14	T 29
F 30	22 54 33	11°44'41	8♊36	23°26	22°17	10°56	24°27	20° 8	6°37	15°38	29°19	14°11	13°59	13°19	21°19	F 30
S 31	22 58 30	12♍43'21	22♊36	22♍35	22♎50	11♎36	24♈23	20♋14	6♐38	15♉37	29♒18	14♐11	13♐55	13♑25	21♋25	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n49	18n51	2n45	7n20	0s46	1s13	1s32	3n46	0n36	8n25	1s26	22n25	0s 3	21s30	0s 0	14n53	1s49	24s35	13s59	22s54	22s46	21s 2	16n51	5s29
F 2	16 32	21 27	1 38	6 43	0 55	1 42	1 39	3 30	0 35	8 25	1 27	22 25	0 3	21 30	0 0	14 53	1 49	24 35	13 59	22 54	22 46	21 1	16 50	5 29
S 3	16 15	22 47	0 24	6 6	1 5	2 11	1 45	3 15	0 35	8 25	1 27	22 24	0 3	21 30	0 0	14 53	1 49	24 36	13 59	22 54	22 45	20 59	16 48	5 29
S 4	15 58	22 38	0s53	5 30	1 15	2 39	1 52	2 59	0 34	8 25	1 27	22 23	0 3	21 30	0 0	14 53	1 49	24 37	14 0	22 54	22 45	20 58	16 47	5 30
M 5	15 40	20 56	2 8	4 55	1 24	3 8	1 59	2 43	0 33	8 25	1 27	22 22	0 3	21 30	0 0	14 53	1 49	24 37	14 0	22 54	22 45	20 57	16 46	5 30
T 6	15 23	17 47	3 15	4 20	1 34	3 36	2 6	2 26	0 33	8 25	1 28	22 21	0 3	21 30	0 0	14 53	1 49	24 38	14 0	22 54	22 44	20 56	16 45	5 30
W 7	15 5	13 27	4 9	3 46	1 44	4 4	2 14	2 10	0 32	8 25	1 28	22 20	0 3	21 30	0 0	14 53	1 49	24 38	14 0	22 53	22 44	20 54	16 44	5 31
T 8	14 46	8 21	4 45	3 12	1 54	4 32	2 21	1 54	0 31	8 25	1 28	22 20	0 3	21 30	0 0	14 53	1 49	24 39	14 0	22 52	22 44	20 53	16 43	5 31
F 9	14 28	2 51	5 2	2 40	2 3	4 59	2 28	1 38	0 31	8 25	1 28	22 19	0 3	21 30	0 0	14 53	1 49	24 39	14 0	22 51	22 43	20 52	16 42	5 31
S 10	14 9	2s40	5 0	2 9	2 13	5 27	2 35	1 22	0 30	8 25	1 29	22 18	0 3	21 30	0 0	14 53	1 49	24 40	14 0	22 50	22 43	20 50	16 40	5 31
S 11	13 50	7 53	4 40	1 38	2 23	5 54	2 43	1 6	0 29	8 25	1 29	22 17	0 2	21 30	0 0	14 53	1 49	24 40	14 0	22 49	22 43	20 49	16 39	5 32
M12	13 30	12 33	4 5	1 9	2 32	6 21	2 50	0 49	0 29	8 24	1 29	22 16	0 2	21 30	0 0	14 53	1 49	24 41	14 0	22 49	22 42	20 48	16 38	5 32
T 13	13 11	16 29	3 18	0 42	2 42	6 48	2 58	0 33	0 28	8 24	1 29	22 15	0 2	21 30	0 0	14 53	1 49	24 41	14 0	22 48	22 42	20 46	16 37	5 32
W14	12 51	19 32	2 23	0 16	2 51	7 15	3 6	0 17	0 27	8 23	1 30	22 15	0 2	21 30	0 0	14 53	1 50	24 42	14 0	22 48	22 42	20 45	16 36	5 33
T 15	12 31	21 37	1 23	0s 9	3 0	7 41	3 13	0 1	0 27	8 23	1 30	22 14	0 2	21 30	0 0	14 53	1 50	24 42	14 0	22 48	22 41	20 43	16 35	5 33
F 16	12 11	22 41	0 20	0 32	3 9	8 7	3 21	0s16	0 26	8 22	1 30	22 13	0 2	21 30	0 0	14 52	1 50	24 43	14 0	22 48	22 41	20 42	16 33	5 33
S 17	11 51	22 42	0n43	0 53	3 17	8 33	3 29	0 32	0 25	8 21	1 30	22 12	0 2	21 30	0 0	14 52	1 50	24 43	14 1	22 48	22 40	20 41	16 32	5 34
S 18	11 30	21 42	1 44	1 12	3 25	8 58	3 37	0 48	0 25	8 20	1 31	22 11	0 2	21 30	0 0	14 52	1 50	24 44	14 1	22 48	22 40	20 39	16 31	5 34
M19	11 10	19 45	2 40	1 28	3 33	9 24	3 45	1 5	0 24	8 19	1 31	22 10	0 2	21 30	0 0	14 52	1 50	24 44	14 1	22 47	22 40	20 38	16 30	5 35
T 20	10 49	16 57	3 30	1 42	3 40	9 48	3 53	1 21	0 23	8 18	1 31	22 10	0 2	21 30	0 0	14 52	1 50	24 45	14 1	22 47	22 39	20 37	16 29	5 35
W21	10 28	13 24	4 10	1 54	3 46	10 13	4 1	1 38	0 23	8 17	1 31	22 9	0 2	21 30	0 0	14 52	1 50	24 45	14 1	22 46	22 39	20 35	16 27	5 35
T 22	10 7	9 16	4 40	2 2	3 52	10 37	4 9	1 54	0 22	8 16	1 31	22 8	0 2	21 31	0 0	14 52	1 50	24 46	14 1	22 44	22 39	20 34	16 26	5 36
F 23	9 45	4 42	4 57	2 7	3 57	11 1	4 17	2 10	0 21	8 15	1 32	22 7	0 1	21 31	0 0	14 52	1 50	24 46	14 1	22 43	22 38	20 32	16 25	5 36
S 24	9 24	0n 8	5 0	2 10	4 1	11 24	4 25	2 27	0 21	8 14	1 32	22 6	0 1	21 31	0 0	14 52	1 50	24 47	14 1	22 41	22 38	20 31	16 24	5 37
S 25	9 2	5 2	4 48	2 8	4 4	11 47	4 33	2 43	0 20	8 13	1 32	22 6	0 1	21 31	0 0	14 51	1 50	24 47	14 1	22 40	22 37	20 30	16 23	5 37
M26	8 40	9 48	4 20	2 3	4 6	12 9	4 41	3 0	0 19	8 11	1 32	22 5	0 1	21 31	0 0	14 51	1 50	24 48	14 1	22 39	22 37	20 28	16 21	5 37
T 27	8 18	14 10	3 39	1 54	4 6	12 31	4 49	3 16	0 19	8 10	1 32	22 4	0 1	21 31	0 0	14 51	1 50	24 48	14 1	22 38	22 37	20 27	16 20	5 38
W28	7 56	17 53	2 45	1 40	4 5	12 52	4 57	3 33	0 18	8 8	1 33	22 3	0 1	21 31	0 0	14 51	1 50	24 48	14 1	22 37	22 36	20 25	16 19	5 38
T 29	7 34	20 42	1 41	1 23	4 2	13 13	5 5	3 49	0 17	8 7	1 33	22 2	0 1	21 32	0 0	14 51	1 50	24 49	14 1	22 37	22 36	20 24	16 18	5 39
F 30	7 12	22 20	0 29	1 1	3 58	13 33	5 13	4 6	0 17	8 5	1 33	22 2	0 1	21 32	0 0	14 50	1 50	24 49	14 0	22 37	22 36	20 23	16 17	5 39
S 31	6n49	22n37	0s44	0s35	3s52	13s53	5s21	4s22	0n16	8n 3	1s33	22n 1	0s 1	21s32	0s 0	14n50	1s51	24s50	14s 0	22s37	22s35	20s21	16n15	5s40

Julian Day Number = 2109165.5, Delta T = 19m53s
Ecliptic obliquity = 23°33'37, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°40'23, Lahiri = 10°47'23 Julian Calendar 1 Aug. 1062 == Greg. Calendar 7 Aug. 1062

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1062
geocentric

SEPTEMBER 1062 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 2 26	13♍42'02	6♋49	21°R39	23♎21	12♎17	24°R19	20♋20	6♐39	15°R37	29°R16	14°R10	13♐52	13♑32	21♋30	S 1
M 2	23 6 23	14°40'46	21°13	20♍39	23°50	12°57	24♈14	20°26	6°40	15♉36	29♒15	14♐ 7	13°49	13°39	21°35	M 2
T 3	23 10 20	15°39'33	5♌46	19°36	24°19	13°37	24° 9	20°31	6°41	15°35	29°14	14° 1	13°46	13°45	21°40	T 3
W 4	23 14 16	16°38'21	20°21	18°30	24°45	14°18	24° 5	20°37	6°43	15°35	29°13	13°53	13°43	13°52	21°44	W 4
T 5	23 18 13	17°37'12	4♍54	17°24	25°10	14°59	24° 0	20°42	6°44	15°34	29°12	13°42	13°40	13°59	21°49	T 5
F 6	23 22 9	18°36'04	19°17	16°20	25°34	15°39	23°54	20°47	6°45	15°33	29°10	13°30	13°36	14° 5	21°54	F 6
S 7	23 26 6	19°34'59	3♎22	15°18	25°56	16°20	23°49	20°53	6°47	15°33	29° 9	13°18	13°33	14°12	21°59	S 7
S 8	23 30 2	20°33'56	17° 6	14°21	26°15	17° 1	23°43	20°58	6°48	15°32	29° 8	13° 8	13°30	14°19	22° 3	S 8
M 9	23 33 59	21°32'55	0♏26	13°30	26°33	17°41	23°38	21° 3	6°50	15°31	29° 7	12°59	13°27	14°25	22° 8	M 9
T 10	23 37 55	22°31'55	13°21	12°46	26°50	18°22	23°32	21° 8	6°51	15°30	29° 6	12°54	13°24	14°32	22°12	T 10
W11	23 41 52	23°30'58	25°54	12°11	27° 4	19° 3	23°26	21°13	6°53	15°29	29° 5	12°51	13°20	14°39	22°17	W11
T 12	23 45 49	24°30'02	8♐ 8	11°45	27°16	19°44	23°20	21°18	6°54	15°28	29° 4	12°D50	13°17	14°45	22°21	T 12
F 13	23 49 45	25°29'08	20° 8	11°30	27°26	20°25	23°13	21°23	6°56	15°27	29° 2	12°R50	13°14	14°52	22°26	F 13
S 14	23 53 42	26°28'16	2♑ 0	11°D25	27°34	21° 6	23° 7	21°27	6°58	15°26	29° 1	12°50	13°11	14°59	22°30	S 14
S 15	23 57 38	27°27'26	13°49	11°31	27°39	21°48	23° 0	21°32	7° 0	15°25	29° 0	12°49	13° 8	15° 5	22°34	S 15
M16	0 1 35	28°26'38	25°40	11°47	27°42	22°29	22°54	21°36	7° 1	15°24	28°59	12°45	13° 5	15°12	22°38	M16
T 17	0 5 31	29°25'51	7♒38	12°13	27°R43	23°10	22°47	21°41	7° 3	15°23	28°58	12°40	13° 1	15°19	22°42	T 17
W18	0 9 28	0♎25'06	19°47	12°48	27°42	23°52	22°40	21°45	7° 5	15°22	28°57	12°31	12°58	15°25	22°46	W18
T 19	0 13 24	1°24'23	2♓10	13°33	27°38	24°33	22°33	21°50	7° 7	15°21	28°56	12°21	12°55	15°32	22°50	T 19
F 20	0 17 21	2°23'43	14°49	14°26	27°32	25°14	22°26	21°54	7° 9	15°20	28°55	12° 9	12°52	15°39	22°54	F 20
S 21	0 21 17	3°23'04	27°44	15°26	27°23	25°56	22°19	21°58	7°11	15°19	28°54	11°57	12°49	15°45	22°57	S 21
S 22	0 25 14	4°22'27	10♈54	16°33	27°12	26°38	22°11	22° 2	7°13	15°18	28°53	11°45	12°46	15°52	23° 1	S 22
M23	0 29 11	5°21'52	24°18	17°46	26°59	27°19	22° 4	22° 6	7°15	15°17	28°52	11°36	12°42	15°59	23° 4	M23
T 24	0 33 7	6°21'19	7♉53	19° 4	26°43	28° 1	21°56	22°10	7°17	15°15	28°51	11°29	12°39	16° 5	23° 8	T 24
W25	0 37 4	7°20'49	21°38	20°26	26°25	28°43	21°49	22°13	7°20	15°14	28°50	11°25	12°36	16°12	23°11	W25
T 26	0 41 0	8°20'21	5♊30	21°53	26° 5	29°25	21°41	22°17	7°22	15°13	28°49	11°D23	12°33	16°19	23°15	T 26
F 27	0 44 57	9°19'56	19°27	23°22	25°42	0♏ 6	21°33	22°21	7°24	15°12	28°48	11°23	12°30	16°25	23°18	F 27
S 28	0 48 53	10°19'33	3♋30	24°54	25°17	0°48	21°25	22°24	7°27	15°10	28°48	11°R24	12°26	16°32	23°21	S 28
S 29	0 52 50	11°19'12	17°37	26°29	24°51	1°30	21°17	22°27	7°29	15° 9	28°47	11°24	12°23	16°39	23°24	S 29
M30	0 56 46	12♎18'53	1♌46	28♍ 5	24♎22	2♏13	21♈ 9	22♋31	7♐31	15♉ 8	28♒46	11♐22	12♐20	16♑45	23♋27	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n26	21n27	1s57	0s 6	3s43	14s12	5s29	4s38	0n15	8n 1	1s33	22n 0	0s 1	21s32	0s 0	14n50	1s51	24s50	14s 0	22s37	22s35	20s20	16n14	5s40
M 2	6 4	18 52	3 2	0n27	3 33	14 31	5 37	4 55	0 15	8 0	1 34	21 59	0 1	21 32	0 0	14 50	1 51	24 51	14 0	22 37	22 34	20 18	16 13	5 41
T 3	5 41	15 6	3 57	1 3	3 21	14 49	5 45	5 11	0 14	7 58	1 34	21 59	0 0	21 33	0 0	14 50	1 51	24 51	14 0	22 36	22 34	20 17	16 12	5 41
W 4	5 18	10 25	4 36	1 42	3 7	15 6	5 53	5 28	0 13	7 56	1 34	21 58	0 0	21 33	0 0	14 49	1 51	24 51	14 0	22 35	22 34	20 15	16 10	5 41
T 5	4 55	5 9	4 57	2 22	2 51	15 22	6 1	5 44	0 13	7 54	1 34	21 57	0 0	21 33	0 0	14 49	1 51	24 52	14 0	22 34	22 33	20 14	16 9	5 42
F 6	4 32	0s19	4 59	3 3	2 34	15 38	6 8	6 0	0 12	7 52	1 34	21 56	0 0	21 33	0 0	14 49	1 51	24 52	14 0	22 32	22 33	20 13	16 8	5 42
S 7	4 9	5 40	4 43	3 44	2 16	15 53	6 16	6 17	0 11	7 50	1 34	21 56	0 0	21 33	0 0	14 49	1 51	24 52	14 0	22 31	22 33	20 11	16 7	5 43
S 8	3 45	10 36	4 10	4 24	1 56	16 7	6 23	6 33	0 11	7 47	1 35	21 55	0n 0	21 34	0 0	14 48	1 51	24 53	14 0	22 29	22 32	20 10	16 6	5 43
M 9	3 22	14 52	3 24	5 2	1 36	16 21	6 30	6 49	0 10	7 45	1 35	21 54	0 0	21 34	0 0	14 48	1 51	24 53	14 0	22 28	22 32	20 8	16 4	5 44
T 10	2 59	18 18	2 29	5 38	1 16	16 33	6 37	7 5	0 9	7 43	1 35	21 54	0 0	21 34	0 0	14 48	1 51	24 53	14 0	22 28	22 31	20 7	16 3	5 44
W11	2 35	20 46	1 29	6 10	0 56	16 45	6 44	7 22	0 9	7 41	1 35	21 53	0 0	21 35	0 0	14 47	1 51	24 54	14 0	22 27	22 31	20 5	16 2	5 45
T 12	2 12	22 11	0 25	6 38	0 36	16 55	6 51	7 38	0 8	7 38	1 35	21 52	0 0	21 35	0 0	14 47	1 51	24 54	13 59	22 27	22 31	20 4	16 1	5 46
F 13	1 48	22 33	0n39	7 1	0 17	17 5	6 57	7 54	0 8	7 36	1 35	21 52	0 1	21 35	0 0	14 47	1 51	24 54	13 59	22 27	22 30	20 2	16 0	5 46
S 14	1 25	21 53	1 40	7 20	0n 1	17 14	7 3	8 10	0 7	7 33	1 35	21 51	0 1	21 35	0 0	14 46	1 51	24 55	13 59	22 27	22 30	20 1	15 58	5 47
S 15	1 1	20 15	2 37	7 34	0 18	17 21	7 9	8 26	0 6	7 31	1 35	21 50	0 1	21 36	0 0	14 46	1 51	24 55	13 59	22 27	22 29	19 59	15 57	5 47
M16	0 37	17 44	3 27	7 42	0 34	17 27	7 15	8 42	0 6	7 28	1 36	21 50	0 1	21 36	0 0	14 46	1 51	24 55	13 59	22 27	22 29	19 58	15 56	5 48
T 17	0 14	14 27	4 8	7 46	0 48	17 32	7 20	8 58	0 5	7 25	1 36	21 49	0 1	21 36	0 1	14 45	1 51	24 55	13 59	22 26	22 29	19 56	15 55	5 48
W18	0s10	10 32	4 39	7 44	1 2	17 36	7 24	9 14	0 4	7 23	1 36	21 49	0 1	21 37	0 1	14 45	1 51	24 56	13 59	22 25	22 28	19 55	15 54	5 49
T 19	0 34	6 8	4 57	7 38	1 13	17 39	7 29	9 30	0 4	7 20	1 36	21 48	0 1	21 37	0 1	14 45	1 51	24 56	13 59	22 23	22 28	19 53	15 52	5 49
F 20	0 57	1 22	5 2	7 27	1 24	17 40	7 32	9 46	0 3	7 17	1 36	21 47	0 1	21 37	0 1	14 44	1 51	24 56	13 58	22 22	22 27	19 52	15 51	5 50
S 21	1 21	3n32	4 51	7 11	1 32	17 40	7 36	10 2	0 2	7 15	1 36	21 47	0 1	21 38	0 1	14 44	1 52	24 56	13 58	22 20	22 27	19 50	15 50	5 50
S 22	1 45	8 23	4 24	6 52	1 40	17 38	7 38	10 18	0 2	7 12	1 36	21 46	0 1	21 38	0 1	14 44	1 52	24 57	13 58	22 19	22 27	19 49	15 49	5 51
M23	2 8	12 55	3 43	6 29	1 46	17 35	7 41	10 33	0 1	7 9	1 36	21 46	0 1	21 38	0 1	14 43	1 52	24 57	13 58	22 17	22 26	19 47	15 48	5 52
T 24	2 32	16 52	2 48	6 3	1 51	17 31	7 42	10 49	0 0	7 6	1 36	21 45	0 2	21 39	0 1	14 43	1 52	24 57	13 58	22 16	22 26	19 46	15 47	5 52
W25	2 56	19 56	1 43	5 34	1 55	17 25	7 43	11 4	0s 0	7 3	1 36	21 45	0 2	21 39	0 1	14 42	1 52	24 57	13 58	22 16	22 25	19 44	15 46	5 53
T 26	3 19	21 51	0 31	5 2	1 58	17 17	7 43	11 20	0 1	7 0	1 36	21 44	0 2	21 40	0 1	14 42	1 52	24 57	13 57	22 16	22 25	19 43	15 44	5 53
F 27	3 43	22 25	0s43	4 28	1 59	17 9	7 43	11 35	0 1	6 57	1 36	21 44	0 2	21 40	0 1	14 42	1 52	24 57	13 57	22 16	22 24	19 41	15 43	5 54
S 28	4 7	21 36	1 55	3 52	2 0	16 58	7 41	11 51	0 2	6 54	1 36	21 43	0 2	21 40	0 1	14 41	1 52	24 58	13 57	22 16	22 24	19 40	15 42	5 55
S 29	4 30	19 24	3 1	3 15	2 0	16 46	7 39	12 6	0 3	6 52	1 36	21 43	0 2	21 41	0 1	14 41	1 52	24 58	13 57	22 16	22 24	19 38	15 41	5 55
M30	4s53	16n 2	3s56	2n35	1n59	16s33	7s36	12s21	0s 3	6n49	1s36	21n42	0n 2	21s41	0s 1	14n40	1s52	24s58	13s57	22s15	22s23	19s37	15n40	5s56

Julian Day Number = 2109196.5, Delta T = 19m52s
Ecliptic obliquity = 23°33'37, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°40'27, Lahiri = 10°47'28 Julian Calendar 1 Sept. 1062 == Greg. Calendar 7 Sept. 1062

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1062
geocentric

OCTOBER 1062 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 0 43	13♎18'37	15♌58	29♍43	23°R52	2♏55	21°R 1	22♋34	7♐34	15°R 6	28°R45	11°R18	12♐17	16♑52	23♋30	T 1
W 2	1 4 40	14°18'23	0♍ 8	1♎22	23♎20	3°37	20♈53	22°37	7°36	15♉ 5	28♒44	11♐12	12°14	16°59	23°33	W 2
T 3	1 8 36	15°18'11	14°13	3° 2	22°47	4°19	20°45	22°40	7°39	15° 3	28°43	11° 4	12°11	17° 5	23°35	T 3
F 4	1 12 33	16°18'02	28°10	4°42	22°13	5° 1	20°37	22°43	7°41	15° 2	28°43	10°54	12° 7	17°12	23°38	F 4
S 5	1 16 29	17°17'54	11♎53	6°22	21°38	5°44	20°29	22°46	7°44	15° 0	28°42	10°45	12° 4	17°19	23°41	S 5
S 6	1 20 26	18°17'49	25°19	8° 3	21° 2	6°26	20°21	22°48	7°47	14°59	28°41	10°37	12° 1	17°25	23°43	S 6
M 7	1 24 22	19°17'45	8♏26	9°44	20°26	7° 9	20°13	22°51	7°49	14°58	28°40	10°30	11°58	17°32	23°45	M 7
T 8	1 28 19	20°17'44	21°14	11°25	19°50	7°51	20° 5	22°53	7°52	14°56	28°40	10°26	11°55	17°39	23°48	T 8
W 9	1 32 15	21°17'44	3♐43	13° 6	19°13	8°34	19°57	22°56	7°55	14°55	28°39	10°24	11°52	17°46	23°50	W 9
T 10	1 36 12	22°17'46	15°56	14°46	18°37	9°17	19°48	22°58	7°58	14°53	28°38	10°D24	11°48	17°52	23°52	T 10
F 11	1 40 9	23°17'50	27°57	16°27	18° 1	10° 0	19°40	23° 0	8° 0	14°51	28°38	10°25	11°45	17°59	23°54	F 11
S 12	1 44 5	24°17'55	9♑49	18° 7	17°26	10°42	19°32	23° 2	8° 3	14°50	28°37	10°26	11°42	18° 6	23°56	S 12
S 13	1 48 2	25°18'02	21°38	19°47	16°52	11°25	19°24	23° 4	8° 6	14°48	28°36	10°R27	11°39	18°12	23°58	S 13
M14	1 51 58	26°18'11	3♒30	21°26	16°20	12° 8	19°16	23° 6	8° 9	14°47	28°36	10°27	11°36	18°19	23°59	M14
T 15	1 55 55	27°18'21	15°29	23° 5	15°48	12°51	19° 8	23° 7	8°12	14°45	28°35	10°25	11°32	18°26	24° 1	T 15
W16	1 59 51	28°18'33	27°40	24°44	15°18	13°34	19° 0	23° 9	8°15	14°44	28°35	10°21	11°29	18°32	24° 2	W16
T 17	2 3 48	29°18'46	10♓ 7	26°22	14°50	14°17	18°52	23°10	8°18	14°42	28°34	10°16	11°26	18°39	24° 4	T 17
F 18	2 7 44	0♏19'01	22°53	28° 0	14°24	15° 0	18°44	23°12	8°21	14°40	28°34	10° 9	11°23	18°46	24° 5	F 18
S 19	2 11 41	1°19'18	5♈59	29°37	14° 0	15°44	18°37	23°13	8°24	14°39	28°33	10° 2	11°20	18°52	24° 6	S 19
S 20	2 15 38	2°19'36	19°26	1♏14	13°38	16°27	18°29	23°14	8°27	14°37	28°33	9°56	11°17	18°59	24° 7	S 20
M21	2 19 34	3°19'56	3♉12	2°51	13°19	17°10	18°21	23°15	8°30	14°35	28°32	9°51	11°13	19° 6	24° 8	M21
T 22	2 23 31	4°20'18	17°13	4°27	13° 1	17°54	18°14	23°16	8°34	14°34	28°32	9°47	11°10	19°12	24° 9	T 22
W23	2 27 27	5°20'41	1♊25	6° 3	12°47	18°37	18° 6	23°17	8°37	14°32	28°32	9°45	11° 7	19°19	24°10	W23
T 24	2 31 24	6°21'07	15°43	7°39	12°34	19°20	17°59	23°18	8°40	14°30	28°31	9°D45	11° 4	19°26	24°11	T 24
F 25	2 35 20	7°21'34	0♋ 3	9°14	12°24	20° 4	17°52	23°18	8°43	14°29	28°31	9°46	11° 1	19°32	24°12	F 25
S 26	2 39 17	8°22'03	14°22	10°50	12°17	20°48	17°45	23°19	8°46	14°27	28°31	9°47	10°57	19°39	24°12	S 26
S 27	2 43 13	9°22'34	28°37	12°24	12°12	21°31	17°38	23°19	8°50	14°25	28°30	9°49	10°54	19°46	24°13	S 27
M28	2 47 10	10°23'07	12♌45	13°59	12°D10	22°15	17°31	23°20	8°53	14°24	28°30	9°R49	10°51	19°52	24°13	M28
T 29	2 51 7	11°23'42	26°45	15°33	12°10	22°59	17°24	23°20	8°56	14°22	28°30	9°48	10°48	19°59	24°13	T 29
W30	2 55 3	12°24'18	10♍36	17° 7	12°12	23°43	17°17	23°R20	9° 0	14°20	28°30	9°46	10°45	20° 6	24°13	W30
T 31	2 59 0	13♏24'56	24♍17	18♏41	12♎17	24♏27	17♈11	23♋20	9♐ 3	14♉19	28♒30	9♐43	10♐42	20♑12	24°R13	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s17	11n44	4s36	1n55	1n58	16s18	7s32	12s36	0s 4	6n46	1s36	21n42	0n 2	21s42	0s 1	14n40	1s52	24s58	13s56	22s15	22s23	19s35	15n39	5s56
W 2	5 40	6 48	5 0	1 13	1 56	16 2	7 28	12 51	0 5	6 43	1 36	21 41	0 2	21 42	0 1	14 39	1 52	24 58	13 56	22 14	22 22	19 34	15 38	5 57
T 3	6 3	1 33	5 5	0 31	1 53	15 44	7 22	13 6	0 5	6 39	1 36	21 41	0 2	21 42	0 1	14 39	1 52	24 58	13 56	22 13	22 22	19 32	15 37	5 58
F 4	6 26	3s43	4 52	0s12	1 50	15 25	7 16	13 21	0 6	6 36	1 36	21 41	0 3	21 43	0 1	14 39	1 52	24 58	13 56	22 12	22 22	19 31	15 36	5 58
S 5	6 50	8 44	4 22	0 55	1 46	15 5	7 9	13 36	0 7	6 33	1 36	21 40	0 3	21 43	0 1	14 38	1 52	24 58	13 56	22 10	22 21	19 29	15 35	5 59
S 6	7 13	13 13	3 38	1 39	1 42	14 44	7 1	13 51	0 7	6 30	1 36	21 40	0 3	21 44	0 1	14 38	1 52	24 58	13 55	22 9	22 21	19 27	15 34	5 59
M 7	7 35	16 58	2 43	2 23	1 37	14 22	6 52	14 5	0 8	6 27	1 36	21 40	0 3	21 44	0 1	14 37	1 52	24 58	13 55	22 8	22 20	19 26	15 33	6 0
T 8	7 58	19 47	1 41	3 7	1 32	13 59	6 42	14 20	0 8	6 24	1 36	21 39	0 3	21 45	0 1	14 37	1 52	24 58	13 55	22 7	22 20	19 24	15 32	6 1
W 9	8 21	21 35	0 36	3 51	1 27	13 35	6 32	14 34	0 9	6 21	1 36	21 39	0 3	21 45	0 1	14 36	1 52	24 58	13 55	22 7	22 19	19 23	15 31	6 1
T 10	8 43	22 19	0n30	4 36	1 22	13 11	6 21	14 49	0 10	6 18	1 36	21 39	0 3	21 45	0 1	14 36	1 52	24 58	13 54	22 7	22 19	19 21	15 30	6 2
F 11	9 6	21 59	1 34	5 20	1 16	12 46	6 9	15 3	0 10	6 15	1 36	21 39	0 3	21 46	0 1	14 35	1 52	24 59	13 54	22 7	22 19	19 20	15 29	6 3
S 12	9 28	20 40	2 32	6 3	1 10	12 21	5 56	15 17	0 11	6 12	1 36	21 38	0 3	21 46	0 1	14 35	1 52	24 59	13 54	22 8	22 18	19 18	15 28	6 3
S 13	9 50	18 27	3 25	6 47	1 4	11 56	5 43	15 31	0 12	6 9	1 36	21 38	0 4	21 47	0 1	14 34	1 52	24 58	13 54	22 8	22 18	19 16	15 27	6 4
M14	10 12	15 27	4 8	7 30	0 58	11 31	5 30	15 45	0 12	6 6	1 35	21 38	0 4	21 47	0 1	14 34	1 52	24 58	13 53	22 8	22 17	19 15	15 26	6 5
T 15	10 34	11 48	4 41	8 13	0 52	11 6	5 16	15 59	0 13	6 3	1 35	21 38	0 4	21 48	0 1	14 33	1 52	24 58	13 53	22 7	22 17	19 13	15 25	6 5
W16	10 56	7 37	5 2	8 55	0 45	10 41	5 2	16 12	0 13	6 1	1 35	21 38	0 4	21 48	0 1	14 33	1 52	24 58	13 53	22 7	22 16	19 12	15 24	6 6
T 17	11 17	3 2	5 10	9 37	0 39	10 17	4 47	16 26	0 14	5 58	1 35	21 37	0 4	21 49	0 1	14 32	1 52	24 58	13 53	22 6	22 16	19 10	15 23	6 7
F 18	11 38	1n47	5 2	10 19	0 32	9 53	4 32	16 39	0 15	5 55	1 35	21 37	0 4	21 49	0 1	14 32	1 52	24 58	13 52	22 5	22 16	19 8	15 22	6 7
S 19	12 0	6 39	4 39	10 59	0 26	9 30	4 17	16 52	0 15	5 52	1 35	21 37	0 4	21 50	0 1	14 31	1 52	24 58	13 52	22 4	22 15	19 7	15 22	6 8
S 20	12 20	11 20	4 0	11 40	0 19	9 8	4 2	17 6	0 16	5 49	1 35	21 37	0 4	21 50	0 1	14 31	1 52	24 58	13 52	22 3	22 15	19 5	15 21	6 9
M21	12 41	15 33	3 6	12 20	0 12	8 46	3 47	17 19	0 16	5 46	1 35	21 37	0 4	21 51	0 1	14 30	1 52	24 58	13 52	22 2	22 14	19 4	15 20	6 9
T 22	13 2	18 58	2 0	12 59	0 6	8 25	3 32	17 31	0 17	5 44	1 34	21 37	0 4	21 51	0 1	14 30	1 52	24 58	13 51	22 2	22 14	19 2	15 19	6 10
W23	13 22	21 17	0 45	13 37	0s 1	8 5	3 17	17 44	0 18	5 41	1 34	21 37	0 5	21 52	0 1	14 29	1 52	24 58	13 51	22 1	22 13	19 0	15 18	6 11
T 24	13 42	22 15	0s33	14 15	0 8	7 47	3 2	17 57	0 18	5 38	1 34	21 37	0 5	21 52	0 1	14 29	1 52	24 58	13 51	22 1	22 13	18 59	15 17	6 11
F 25	14 2	21 45	1 49	14 52	0 14	7 29	2 47	18 9	0 19	5 36	1 34	21 37	0 5	21 53	0 1	14 29	1 52	24 57	13 50	22 2	22 12	18 57	15 17	6 12
S 26	14 22	19 50	2 58	15 29	0 21	7 13	2 32	18 21	0 20	5 33	1 34	21 37	0 5	21 53	0 1	14 28	1 52	24 57	13 50	22 2	22 12	18 55	15 16	6 12
S 27	14 41	16 41	3 56	16 4	0 27	6 57	2 18	18 34	0 20	5 31	1 33	21 37	0 5	21 54	0 1	14 28	1 52	24 57	13 50	22 2	22 12	18 54	15 15	6 13
M28	15 1	12 36	4 39	16 39	0 34	6 43	2 3	18 45	0 21	5 28	1 33	21 37	0 5	21 54	0 1	14 27	1 52	24 57	13 50	22 2	22 11	18 52	15 15	6 14
T 29	15 20	7 52	5 6	17 13	0 40	6 30	1 49	18 57	0 21	5 26	1 33	21 37	0 5	21 55	0 1	14 27	1 52	24 57	13 49	22 2	22 11	18 51	15 14	6 14
W30	15 38	2 47	5 14	17 46	0 46	6 19	1 36	19 9	0 22	5 23	1 33	21 37	0 5	21 55	0 1	14 26	1 52	24 57	13 49	22 2	22 10	18 49	15 13	6 15
T 31	15s57	2s22	5s 4	18s19	0s53	6s 8	1s22	19s20	0s23	5n21	1s33	21n37	0n 5	21s56	0s 1	14n26	1s52	24s56	13s49	22s 1	22s10	18s47	15n13	6s16

Julian Day Number = 2109226.5, Delta T = 19m52s
Ecliptic obliquity = 23°33'37, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°40'31, Lahiri = 10°47'32 Julian Calendar 1 Oct. 1062 == Greg. Calendar 7 Oct. 1062

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1062
geocentric

NOVEMBER 1062 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 2 56	14♏25'36	7♎46	20♏15	12♎24	25♏11	17°R 4	23°R19	9♐ 6	14°R17	28°R29	9°R39	10♐38	20♑19	24°R13	F 1
S 2	3 6 53	15°26'18	21° 2	21°48	12°34	25°55	16♈58	23♋19	9°10	14♉15	28♒29	9♐35	10°35	20°26	24♋13	S 2
S 3	3 10 49	16°27'01	4♏ 4	23°22	12°45	26°39	16°52	23°19	9°13	14°13	28°29	9°31	10°32	20°32	24°13	S 3
M 4	3 14 46	17°27'46	16°52	24°55	12°59	27°23	16°46	23°18	9°17	14°12	28°29	9°28	10°29	20°39	24°12	M 4
T 5	3 18 42	18°28'32	29°26	26°28	13°15	28° 7	16°40	23°17	9°20	14°10	28°29	9°27	10°26	20°46	24°12	T 5
W 6	3 22 39	19°29'20	11♐46	28° 1	13°33	28°51	16°34	23°17	9°24	14° 8	28°D29	9°D27	10°23	20°52	24°11	W 6
T 7	3 26 36	20°30'09	23°53	29°33	13°53	29°35	16°29	23°16	9°27	14° 7	28°29	9°27	10°19	20°59	24°11	T 7
F 8	3 30 32	21°30'59	5♑51	1♐ 6	14°15	0♐20	16°23	23°15	9°31	14° 5	28°29	9°29	10°16	21° 6	24°10	F 8
S 9	3 34 29	22°31'50	17°43	2°38	14°39	1° 4	16°18	23°14	9°34	14° 3	28°29	9°30	10°13	21°12	24° 9	S 9
S 10	3 38 25	23°32'41	29°32	4°11	15° 4	1°49	16°13	23°13	9°38	14° 2	28°29	9°32	10°10	21°19	24° 8	S 10
M11	3 42 22	24°33'34	11♒23	5°43	15°32	2°33	16° 8	23°11	9°41	14° 0	28°29	9°33	10° 7	21°26	24° 7	M11
T 12	3 46 18	25°34'28	23°20	7°15	16° 1	3°18	16° 4	23°10	9°45	13°58	28°30	9°R33	10° 3	21°32	24° 6	T 12
W13	3 50 15	26°35'23	5♓28	8°47	16°31	4° 2	15°59	23° 8	9°48	13°57	28°30	9°33	10° 0	21°39	24° 5	W13
T 14	3 54 11	27°36'18	17°53	10°18	17° 3	4°47	15°55	23° 7	9°52	13°55	28°30	9°32	9°57	21°46	24° 3	T 14
F 15	3 58 8	28°37'14	0♈38	11°50	17°37	5°32	15°51	23° 5	9°55	13°53	28°30	9°31	9°54	21°53	24° 2	F 15
S 16	4 2 5	29°38'11	13°46	13°21	18°12	6°16	15°47	23° 3	9°59	13°52	28°30	9°30	9°51	21°59	24° 0	S 16
S 17	4 6 1	0♐39'09	27°18	14°52	18°48	7° 1	15°43	23° 1	10° 3	13°50	28°31	9°28	9°48	22° 6	23°59	S 17
M18	4 9 58	1°40'08	11♉15	16°23	19°26	7°46	15°40	22°59	10° 6	13°49	28°31	9°27	9°44	22°13	23°57	M18
T 19	4 13 54	2°41'07	25°34	17°53	20° 5	8°31	15°36	22°57	10°10	13°47	28°31	9°27	9°41	22°19	23°55	T 19
W20	4 17 51	3°42'07	10♊10	19°23	20°45	9°16	15°33	22°55	10°14	13°45	28°31	9°D27	9°38	22°26	23°53	W20
T 21	4 21 47	4°43'09	24°56	20°52	21°27	10° 1	15°30	22°52	10°17	13°44	28°32	9°27	9°35	22°33	23°51	T 21
F 22	4 25 44	5°44'11	9♋45	22°20	22° 9	10°46	15°28	22°50	10°21	13°42	28°32	9°27	9°32	22°39	23°49	F 22
S 23	4 29 40	6°45'14	24°30	23°48	22°53	11°31	15°25	22°47	10°24	13°41	28°33	9°27	9°29	22°46	23°47	S 23
S 24	4 33 37	7°46'18	9♌ 5	25°15	23°38	12°16	15°23	22°44	10°28	13°39	28°33	9°28	9°25	22°53	23°45	S 24
M25	4 37 34	8°47'24	23°26	26°41	24°23	13° 1	15°21	22°42	10°32	13°38	28°33	9°28	9°22	22°59	23°43	M25
T 26	4 41 30	9°48'30	7♍29	28° 5	25°10	13°47	15°19	22°39	10°35	13°36	28°34	9°28	9°19	23° 6	23°40	T 26
W27	4 45 27	10°49'37	21°13	29°28	25°58	14°32	15°17	22°36	10°39	13°35	28°34	9°28	9°16	23°13	23°38	W27
T 28	4 49 23	11°50'44	4♎40	0♑49	26°47	15°17	15°16	22°33	10°43	13°33	28°35	9°28	9°13	23°19	23°35	T 28
F 29	4 53 20	12°51'53	17°49	2° 8	27°36	16° 3	15°14	22°30	10°46	13°32	28°36	9°28	9° 9	23°26	23°32	F 29
S 30	4 57 16	13♐53'03	0♏43	3♑24	28♎26	16♐48	15♈13	22♋26	10♐50	13♉30	28♒36	9♐29	9♐ 6	23♑33	23♋30	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16s15	7s20	4s37	18s50	0s59	5s59	1s 9	19s32	0s23	5n19	1s32	21n37	0n 6	21s57	0s 1	14n25	1s52	24s56	13s48	22s 1	22s 9	18s46	15n12	6s16
S 2	16 33	11 53	3 56	19 21	1 5	5 51	0 56	19 43	0 24	5 17	1 32	21 38	0 6	21 57	0 1	14 25	1 52	24 56	13 48	22 0	22 9	18 44	15 11	6 17
S 3	16 50	15 48	3 3	19 51	1 10	5 44	0 44	19 54	0 24	5 15	1 32	21 38	0 6	21 58	0 1	14 24	1 52	24 56	13 48	21 59	22 8	18 42	15 11	6 18
M 4	17 8	18 54	2 1	20 19	1 16	5 38	0 32	20 5	0 25	5 13	1 32	21 38	0 6	21 58	0 1	14 24	1 52	24 55	13 48	21 59	22 8	18 41	15 10	6 18
T 5	17 25	21 1	0 55	20 47	1 22	5 34	0 20	20 15	0 25	5 11	1 31	21 38	0 6	21 59	0 1	14 23	1 52	24 55	13 47	21 59	22 7	18 39	15 10	6 19
W 6	17 41	22 6	0n13	21 14	1 27	5 30	0 8	20 26	0 26	5 9	1 31	21 39	0 6	21 59	0 1	14 23	1 52	24 55	13 47	21 59	22 7	18 37	15 9	6 20
T 7	17 58	22 6	1 19	21 39	1 32	5 28	0n 3	20 36	0 27	5 7	1 31	21 39	0 6	22 0	0 1	14 22	1 52	24 55	13 47	21 59	22 7	18 36	15 9	6 20
F 8	18 14	21 5	2 21	22 4	1 37	5 26	0 14	20 46	0 27	5 5	1 31	21 39	0 6	22 0	0 1	14 22	1 52	24 54	13 46	21 59	22 6	18 34	15 8	6 21
S 9	18 30	19 8	3 16	22 28	1 42	5 26	0 24	20 56	0 28	5 3	1 30	21 39	0 6	22 1	0 1	14 21	1 52	24 54	13 46	21 59	22 6	18 32	15 8	6 22
S 10	18 45	16 23	4 3	22 50	1 47	5 27	0 34	21 5	0 28	5 1	1 30	21 40	0 7	22 1	0 1	14 21	1 52	24 54	13 46	21 59	22 5	18 31	15 7	6 22
M11	19 0	12 58	4 40	23 11	1 51	5 28	0 44	21 15	0 29	5 0	1 30	21 40	0 7	22 2	0 1	14 20	1 52	24 53	13 45	22 0	22 5	18 29	15 7	6 23
T 12	19 15	9 1	5 4	23 31	1 55	5 31	0 53	21 24	0 30	4 58	1 30	21 40	0 7	22 2	0 1	14 20	1 52	24 53	13 45	22 0	22 4	18 27	15 6	6 23
W13	19 29	4 39	5 16	23 50	1 59	5 34	1 2	21 33	0 30	4 57	1 29	21 41	0 7	22 3	0 1	14 19	1 52	24 53	13 45	22 0	22 4	18 26	15 6	6 24
T 14	19 43	0 0	5 14	24 7	2 2	5 39	1 11	21 42	0 31	4 55	1 29	21 41	0 7	22 3	0 1	14 19	1 52	24 52	13 45	22 0	22 3	18 24	15 5	6 25
F 15	19 57	4n46	4 56	24 24	2 6	5 44	1 19	21 51	0 31	4 54	1 29	21 42	0 7	22 4	0 1	14 18	1 52	24 52	13 44	21 59	22 3	18 22	15 5	6 25
S 16	20 10	9 29	4 22	24 39	2 9	5 50	1 27	21 59	0 32	4 53	1 28	21 42	0 7	22 5	0 1	14 18	1 52	24 52	13 44	21 59	22 2	18 20	15 5	6 26
S 17	20 23	13 53	3 33	24 52	2 11	5 57	1 34	22 7	0 32	4 52	1 28	21 42	0 7	22 5	0 1	14 17	1 52	24 51	13 44	21 59	22 2	18 19	15 4	6 27
M18	20 36	17 40	2 30	25 4	2 13	6 4	1 42	22 15	0 33	4 51	1 28	21 43	0 8	22 6	0 1	14 17	1 52	24 51	13 43	21 59	22 1	18 17	15 4	6 27
T 19	20 48	20 29	1 16	25 15	2 15	6 13	1 49	22 23	0 33	4 50	1 28	21 43	0 8	22 6	0 1	14 16	1 52	24 51	13 43	21 59	22 1	18 15	15 4	6 28
W20	21 0	22 1	0s 4	25 24	2 17	6 22	1 55	22 31	0 34	4 49	1 27	21 44	0 8	22 7	0 1	14 16	1 52	24 50	13 43	21 59	22 0	18 14	15 4	6 28
T 21	21 11	22 3	1 25	25 32	2 18	6 31	2 2	22 38	0 35	4 48	1 27	21 44	0 8	22 7	0 1	14 15	1 52	24 50	13 42	21 59	22 0	18 12	15 3	6 29
F 22	21 22	20 32	2 41	25 38	2 18	6 41	2 8	22 45	0 35	4 47	1 27	21 45	0 8	22 8	0 1	14 15	1 52	24 49	13 42	21 59	21 59	18 10	15 3	6 29
S 23	21 33	17 38	3 45	25 43	2 18	6 52	2 14	22 52	0 36	4 46	1 26	21 45	0 8	22 8	0 1	14 15	1 52	24 49	13 42	21 59	21 59	18 9	15 3	6 30
S 24	21 43	13 40	4 34	25 46	2 18	7 4	2 19	22 59	0 36	4 46	1 26	21 46	0 8	22 9	0 1	14 14	1 52	24 49	13 42	21 59	21 59	18 7	15 3	6 31
M25	21 53	8 58	5 5	25 47	2 16	7 16	2 25	23 5	0 37	4 45	1 26	21 47	0 8	22 9	0 1	14 14	1 52	24 48	13 41	21 59	21 58	18 5	15 3	6 31
T 26	22 2	3 54	5 18	25 47	2 15	7 28	2 29	23 11	0 37	4 45	1 25	21 47	0 8	22 10	0 1	14 13	1 52	24 48	13 41	21 59	21 58	18 3	15 2	6 32
W27	22 11	1s16	5 11	25 46	2 12	7 41	2 34	23 17	0 38	4 44	1 25	21 48	0 9	22 10	0 1	14 13	1 52	24 47	13 41	21 59	21 57	18 2	15 2	6 32
T 28	22 19	6 15	4 48	25 43	2 9	7 55	2 39	23 23	0 38	4 44	1 25	21 48	0 9	22 11	0 1	14 13	1 52	24 47	13 40	21 59	21 57	18 0	15 2	6 33
F 29	22 27	10 52	4 9	25 38	2 5	8 8	2 43	23 28	0 39	4 44	1 24	21 49	0 9	22 12	0 1	14 12	1 52	24 46	13 40	21 59	21 56	17 58	15 2	6 33
S 30	22s35	14s53	3s19	25s31	2s 0	8s23	2n47	23s33	0s39	4n44	1s24	21n50	0n 9	22s12	0s 1	14n12	1s52	24s46	13s40	21s59	21s56	17s56	15n 2	6s34

Julian Day Number = 2109257.5, Delta T = 19m52s
Ecliptic obliquity = 23°33'36, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°40'36, Lahiri = 10°47'36 Julian Calendar 1 Nov. 1062 == Greg. Calendar 7 Nov. 1062

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1062
geocentric

DECEMBER 1062 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 1 13	14♐54'13	13♏22	4♑37	29♎18	17♐34	15°R12	22°R23	10♐54	13°R29	28♒37	9♐29	9♐ 3	23♑39	23°R27	S 1
M 2	5 5 9	15°55'24	25°50	5°47	0♏10	18°19	15♈12	22♋20	10°57	13♉28	28°37	9°30	9° 0	23°46	23♋24	M 2
T 3	5 9 6	16°56'35	8♐ 7	6°53	1° 2	19° 5	15°11	22°16	11° 1	13°26	28°38	9°R30	8°57	23°53	23°21	T 3
W 4	5 13 3	17°57'47	20°14	7°54	1°55	19°50	15°11	22°13	11° 4	13°25	28°39	9°30	8°54	24° 0	23°18	W 4
T 5	5 16 59	18°58'59	2♑14	8°49	2°49	20°36	15°D11	22° 9	11° 8	13°24	28°39	9°29	8°50	24° 6	23°15	T 5
F 6	5 20 56	20° 0'12	14° 8	9°39	3°44	21°22	15°11	22° 5	11°12	13°22	28°40	9°28	8°47	24°13	23°11	F 6
S 7	5 24 52	21° 1'25	25°59	10°21	4°39	22° 7	15°11	22° 2	11°15	13°21	28°41	9°26	8°44	24°20	23° 8	S 7
S 8	5 28 49	22° 2'37	7♒48	10°56	5°35	22°53	15°12	21°58	11°19	13°20	28°42	9°24	8°41	24°26	23° 5	S 8
M 9	5 32 45	23° 3'50	19°39	11°21	6°32	23°39	15°13	21°54	11°23	13°19	28°42	9°22	8°38	24°33	23° 1	M 9
T 10	5 36 42	24° 5'02	1♓35	11°37	7°29	24°25	15°14	21°50	11°26	13°17	28°43	9°20	8°35	24°40	22°58	T 10
W11	5 40 38	25° 6'15	13°41	11°R43	8°26	25°11	15°15	21°46	11°30	13°16	28°44	9°19	8°31	24°46	22°54	W11
T 12	5 44 35	26° 7'27	26° 1	11°37	9°25	25°57	15°16	21°41	11°33	13°15	28°45	9°D19	8°28	24°53	22°51	T 12
F 13	5 48 32	27° 8'39	8♈39	11°19	10°23	26°43	15°18	21°37	11°37	13°14	28°46	9°19	8°25	25° 0	22°47	F 13
S 14	5 52 28	28° 9'50	21°39	10°49	11°22	27°29	15°20	21°33	11°40	13°13	28°47	9°20	8°22	25° 6	22°44	S 14
S 15	5 56 25	29°11'01	5♉ 6	10° 8	12°22	28°15	15°22	21°29	11°44	13°12	28°48	9°22	8°19	25°13	22°40	S 15
M16	6 0 21	0♑12'12	18°59	9°16	13°22	29° 1	15°24	21°24	11°47	13°11	28°49	9°23	8°15	25°20	22°36	M16
T 17	6 4 18	1°13'23	3♊20	8°14	14°22	29°47	15°27	21°20	11°51	13°10	28°49	9°R24	8°12	25°26	22°32	T 17
W18	6 8 14	2°14'34	18° 4	7° 4	15°23	0♑33	15°29	21°15	11°54	13° 9	28°50	9°24	8° 9	25°33	22°28	W18
T 19	6 12 11	3°15'44	3♋ 7	5°48	16°24	1°19	15°32	21°11	11°58	13° 8	28°51	9°23	8° 6	25°40	22°24	T 19
F 20	6 16 8	4°16'54	18°18	4°29	17°26	2° 6	15°35	21° 6	12° 1	13° 7	28°52	9°20	8° 3	25°47	22°20	F 20
S 21	6 20 4	5°18'03	3♌28	3° 9	18°28	2°52	15°38	21° 2	12° 5	13° 6	28°54	9°17	8° 0	25°53	22°16	S 21
S 22	6 24 1	6°19'13	18°28	1°50	19°30	3°38	15°42	20°57	12° 8	13° 5	28°55	9°13	7°56	26° 0	22°12	S 22
M23	6 27 57	7°20'22	3♍10	0°36	20°33	4°25	15°45	20°52	12°12	13° 4	28°56	9° 9	7°53	26° 7	22° 8	M23
T 24	6 31 54	8°21'31	17°27	29♐27	21°36	5°11	15°49	20°48	12°15	13° 3	28°57	9° 6	7°50	26°13	22° 4	T 24
W25	6 35 50	9°22'40	1♎18	28°26	22°40	5°57	15°53	20°43	12°18	13° 3	28°58	9° 5	7°47	26°20	22° 0	W25
T 26	6 39 47	10°23'49	14°44	27°34	23°43	6°44	15°57	20°38	12°22	13° 2	28°59	9°D 4	7°44	26°27	21°56	T 26
F 27	6 43 43	11°24'58	27°46	26°50	24°47	7°30	16° 2	20°33	12°25	13° 1	29° 0	9° 5	7°41	26°33	21°51	F 27
S 28	6 47 40	12°26'06	10♏27	26°17	25°52	8°17	16° 6	20°28	12°28	13° 0	29° 1	9° 7	7°37	26°40	21°47	S 28
S 29	6 51 37	13°27'14	22°53	25°53	26°56	9° 3	16°11	20°23	12°32	13° 0	29° 3	9° 9	7°34	26°47	21°43	S 29
M30	6 55 33	14°28'22	5♐ 5	25°38	28° 1	9°50	16°16	20°19	12°35	12°59	29° 4	9°R10	7°31	26°53	21°38	M30
T 31	6 59 30	15♑29'29	17♐ 9	25°D32	29♏ 7	10♑37	16♈21	20♋14	12♐38	12♉58	29♒ 5	9♐10	7♐28	27♑ 0	21♋34	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s42	18s 9	2s20	25s23	1s55	8s37	2n50	23s38	0s40	4n44	1s24	21n50	0n 9	22s13	0s 1	14n11	1s52	24s45	13s40	21s59	21s55	17s55	15n 2	6s34
M 2	22 49	20 32	1 15	25 14	1 48	8 52	2 54	23 43	0 40	4 44	1 24	21 51	0 9	22 13	0 1	14 11	1 52	24 45	13 39	21 59	21 55	17 53	15 2	6 35
T 3	22 55	21 54	0 8	25 3	1 41	9 8	2 57	23 47	0 41	4 44	1 23	21 52	0 9	22 14	0 1	14 11	1 52	24 44	13 39	21 59	21 54	17 51	15 2	6 35
W 4	23 1	22 13	0n59	24 51	1 32	9 23	3 0	23 51	0 41	4 44	1 23	21 52	0 9	22 14	0 1	14 10	1 52	24 44	13 39	21 59	21 54	17 49	15 2	6 36
T 5	23 6	21 30	2 3	24 38	1 22	9 39	3 3	23 55	0 42	4 44	1 23	21 53	0 10	22 15	0 1	14 10	1 52	24 43	13 38	21 59	21 53	17 48	15 2	6 36
F 6	23 11	19 49	3 1	24 23	1 11	9 55	3 5	23 59	0 43	4 45	1 22	21 54	0 10	22 15	0 1	14 10	1 51	24 43	13 38	21 59	21 53	17 46	15 2	6 37
S 7	23 15	17 17	3 50	24 8	0 59	10 12	3 8	24 2	0 43	4 45	1 22	21 55	0 10	22 16	0 1	14 9	1 51	24 42	13 38	21 59	21 52	17 44	15 2	6 37
S 8	23 19	14 4	4 30	23 52	0 46	10 28	3 10	24 5	0 44	4 46	1 22	21 55	0 10	22 16	0 1	14 9	1 51	24 42	13 38	21 58	21 52	17 42	15 2	6 37
M 9	23 23	10 17	4 58	23 35	0 31	10 45	3 12	24 8	0 44	4 46	1 21	21 56	0 10	22 17	0 1	14 9	1 51	24 41	13 37	21 58	21 51	17 41	15 3	6 38
T 10	23 26	6 5	5 13	23 18	0 15	11 2	3 13	24 11	0 44	4 47	1 21	21 57	0 10	22 17	0 1	14 8	1 51	24 41	13 37	21 58	21 51	17 39	15 3	6 38
W11	23 28	1 36	5 15	23 1	0n 1	11 19	3 15	24 13	0 45	4 48	1 21	21 58	0 10	22 18	0 1	14 8	1 51	24 40	13 37	21 58	21 50	17 37	15 3	6 39
T 12	23 30	3n 2	5 3	22 44	0 19	11 36	3 16	24 15	0 45	4 49	1 20	21 58	0 10	22 18	0 1	14 8	1 51	24 40	13 37	21 58	21 50	17 35	15 3	6 39
F 13	23 32	7 40	4 36	22 26	0 38	11 53	3 17	24 17	0 46	4 50	1 20	21 59	0 10	22 19	0 1	14 7	1 51	24 39	13 36	21 58	21 49	17 33	15 3	6 39
S 14	23 33	12 6	3 54	22 10	0 58	12 11	3 18	24 19	0 46	4 51	1 20	22 0	0 11	22 19	0 1	14 7	1 51	24 38	13 36	21 58	21 49	17 32	15 4	6 40
S 15	23 33	16 5	2 58	21 53	1 17	12 28	3 19	24 20	0 47	4 52	1 19	22 1	0 11	22 20	0 1	14 7	1 51	24 38	13 36	21 58	21 48	17 30	15 4	6 40
M16	23 34	19 19	1 50	21 38	1 37	12 45	3 20	24 21	0 47	4 53	1 19	22 2	0 11	22 20	0 1	14 7	1 51	24 37	13 36	21 58	21 48	17 28	15 4	6 41
T 17	23 33	21 28	0 33	21 23	1 56	13 3	3 20	24 21	0 48	4 54	1 19	22 2	0 11	22 21	0 1	14 6	1 51	24 37	13 35	21 58	21 47	17 26	15 4	6 41
W18	23 32	22 14	0s48	21 9	2 14	13 20	3 20	24 22	0 48	4 55	1 18	22 3	0 11	22 21	0 1	14 6	1 51	24 36	13 35	21 58	21 47	17 25	15 5	6 41
T 19	23 31	21 24	2 7	20 56	2 30	13 38	3 20	24 22	0 49	4 57	1 18	22 4	0 11	22 22	0 1	14 6	1 51	24 36	13 35	21 58	21 46	17 23	15 5	6 41
F 20	23 29	19 2	3 18	20 44	2 45	13 55	3 20	24 22	0 49	4 58	1 18	22 5	0 11	22 22	0 1	14 6	1 51	24 35	13 35	21 58	21 46	17 21	15 5	6 42
S 21	23 27	15 21	4 15	20 34	2 57	14 12	3 20	24 21	0 50	5 0	1 17	22 6	0 11	22 23	0 1	14 5	1 51	24 34	13 34	21 57	21 45	17 19	15 6	6 42
S 22	23 24	10 43	4 54	20 25	3 7	14 30	3 19	24 21	0 50	5 1	1 17	22 6	0 11	22 23	0 1	14 5	1 51	24 34	13 34	21 57	21 45	17 17	15 6	6 42
M23	23 21	5 33	5 12	20 19	3 15	14 47	3 19	24 20	0 51	5 3	1 17	22 7	0 12	22 23	0 1	14 5	1 51	24 33	13 34	21 56	21 44	17 16	15 6	6 43
T 24	23 18	0 13	5 10	20 13	3 20	15 4	3 18	24 18	0 51	5 5	1 16	22 8	0 12	22 24	0 1	14 5	1 51	24 33	13 34	21 56	21 44	17 14	15 7	6 43
W25	23 14	4s58	4 51	20 10	3 23	15 21	3 17	24 17	0 51	5 7	1 16	22 9	0 12	22 24	0 1	14 5	1 51	24 32	13 33	21 55	21 43	17 12	15 7	6 43
T 26	23 9	9 45	4 15	20 9	3 23	15 38	3 16	24 15	0 52	5 9	1 16	22 10	0 12	22 25	0 1	14 4	1 50	24 31	13 33	21 55	21 43	17 10	15 8	6 43
F 27	23 4	13 57	3 27	20 9	3 22	15 54	3 15	24 13	0 52	5 11	1 16	22 11	0 12	22 25	0 1	14 4	1 50	24 31	13 33	21 55	21 42	17 8	15 8	6 43
S 28	22 58	17 25	2 31	20 12	3 19	16 11	3 14	24 11	0 53	5 13	1 15	22 11	0 12	22 26	0 1	14 4	1 50	24 30	13 33	21 56	21 41	17 6	15 9	6 44
S 29	22 53	20 0	1 28	20 16	3 14	16 27	3 13	24 8	0 53	5 15	1 15	22 12	0 12	22 26	0 1	14 4	1 50	24 29	13 33	21 56	21 41	17 5	15 9	6 44
M30	22 46	21 37	0 22	20 22	3 8	16 43	3 11	24 5	0 53	5 17	1 15	22 13	0 12	22 27	0 1	14 4	1 50	24 29	13 32	21 56	21 40	17 3	15 10	6 44
T 31	22s39	22s13	0n43	20s28	3n 1	16s58	3n10	24s 2	0s54	5n19	1s14	22n14	0n13	22s27	0s 1	14n 4	1s50	24s28	13s32	21s56	21s40	17s 1	15n10	6s44

Julian Day Number = 2109287.5, Delta T = 19m52s
Ecliptic obliquity = 23°33'35, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°40'40, Lahiri = 10°47'40 Julian Calendar 1 Dec. 1062 == Greg. Calendar 7 Dec. 1062

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1063
geocentric

JANUARY 1063 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 3 26	16♑30'36	29♐ 5	25♐35	0♐12	11♑23	16♈26	20°R 9	12♐41	12°R58	29♒ 6	9°R 7	7♐25	27♑ 7	21°R30	W 1
T 2	7 7 23	17°31'42	10♑58	25°45	1°18	12°10	16°32	20♋ 4	12°44	12♉57	29° 8	9♐ 3	7°21	27°13	21♋25	T 2
F 3	7 11 19	18°32'47	22°49	26° 2	2°23	12°57	16°37	19°59	12°47	12°57	29° 9	8°57	7°18	27°20	21°21	F 3
S 4	7 15 16	19°33'51	4♒39	26°26	3°30	13°43	16°43	19°54	12°51	12°56	29°10	8°50	7°15	27°27	21°17	S 4
S 5	7 19 12	20°34'55	16°30	26°56	4°36	14°30	16°49	19°49	12°54	12°56	29°11	8°41	7°12	27°34	21°12	S 5
M 6	7 23 9	21°35'57	28°24	27°32	5°42	15°17	16°55	19°44	12°57	12°55	29°13	8°33	7° 9	27°40	21° 8	M 6
T 7	7 27 6	22°36'58	10♓24	28°12	6°49	16° 4	17° 2	19°39	13° 0	12°55	29°14	8°25	7° 6	27°47	21° 3	T 7
W 8	7 31 2	23°37'58	22°32	28°57	7°56	16°51	17° 8	19°34	13° 3	12°55	29°15	8°19	7° 2	27°54	20°59	W 8
T 9	7 34 59	24°38'57	4♈50	29°46	9° 3	17°37	17°15	19°29	13° 6	12°54	29°17	8°15	6°59	28° 0	20°55	T 9
F 10	7 38 55	25°39'55	17°24	0♑38	10°11	18°24	17°22	19°24	13° 9	12°54	29°18	8°12	6°56	28° 7	20°50	F 10
S 11	7 42 52	26°40'51	0♉17	1°34	11°18	19°11	17°29	19°19	13°12	12°54	29°20	8°D12	6°53	28°14	20°46	S 11
S 12	7 46 48	27°41'46	13°32	2°33	12°26	19°58	17°36	19°15	13°14	12°54	29°21	8°13	6°50	28°20	20°42	S 12
M13	7 50 45	28°42'40	27°14	3°35	13°34	20°45	17°43	19°10	13°17	12°54	29°22	8°14	6°47	28°27	20°37	M13
T 14	7 54 41	29°43'32	11♊23	4°39	14°42	21°32	17°51	19° 5	13°20	12°53	29°24	8°R14	6°43	28°34	20°33	T 14
W15	7 58 38	0♒44'23	25°59	5°46	15°50	22°19	17°58	19° 0	13°23	12°53	29°25	8°13	6°40	28°40	20°29	W15
T 16	8 2 35	1°45'13	10♋58	6°55	16°58	23° 6	18° 6	18°55	13°26	12°53	29°27	8° 9	6°37	28°47	20°24	T 16
F 17	8 6 31	2°46'01	26°13	8° 5	18° 6	23°53	18°14	18°51	13°28	12°D53	29°28	8° 3	6°34	28°54	20°20	F 17
S 18	8 10 28	3°46'48	11♌34	9°18	19°15	24°40	18°22	18°46	13°31	12°53	29°30	7°55	6°31	29° 1	20°16	S 18
S 19	8 14 24	4°47'33	26°48	10°32	20°24	25°27	18°30	18°41	13°34	12°53	29°31	7°46	6°27	29° 7	20°12	S 19
M20	8 18 21	5°48'17	11♍47	11°48	21°33	26°14	18°39	18°37	13°36	12°53	29°33	7°37	6°24	29°14	20° 8	M20
T 21	8 22 17	6°49'00	26°20	13° 6	22°42	27° 1	18°47	18°32	13°39	12°54	29°34	7°30	6°21	29°21	20° 3	T 21
W22	8 26 14	7°49'42	10♎24	14°24	23°51	27°48	18°56	18°28	13°41	12°54	29°36	7°24	6°18	29°27	19°59	W22
T 23	8 30 10	8°50'23	23°58	15°45	25° 0	28°35	19° 5	18°23	13°44	12°54	29°37	7°21	6°15	29°34	19°55	T 23
F 24	8 34 7	9°51'02	7♏ 4	17° 6	26° 9	29°22	19°13	18°19	13°46	12°54	29°39	7°D20	6°12	29°41	19°51	F 24
S 25	8 38 4	10°51'41	19°45	18°29	27°19	0♒ 9	19°22	18°14	13°48	12°54	29°40	7°20	6° 8	29°47	19°47	S 25
S 26	8 42 0	11°52'18	2♐ 6	19°52	28°28	0°57	19°32	18°10	13°51	12°55	29°42	7°R21	6° 5	29°54	19°43	S 26
M27	8 45 57	12°52'54	14°13	21°17	29°38	1°44	19°41	18° 6	13°53	12°55	29°43	7°21	6° 2	0♒ 1	19°39	M27
T 28	8 49 53	13°53'28	26° 9	22°43	0♑48	2°31	19°50	18° 2	13°55	12°55	29°45	7°19	5°59	0° 8	19°36	T 28
W29	8 53 50	14°54'02	8♑ 0	24°11	1°58	3°18	20° 0	17°58	13°58	12°56	29°46	7°14	5°56	0°14	19°32	W29
T 30	8 57 46	15°54'34	19°49	25°39	3° 8	4° 5	20°10	17°53	14° 0	12°56	29°48	7° 7	5°53	0°21	19°28	T 30
F 31	9 1 43	16♒55'04	1♒38	27♑ 8	4♑18	4♒52	20♈19	17♋49	14♐ 2	12♉57	29♒50	6♐57	5♐49	0♒28	19♋24	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s32	21s47	1n46	20s36	2n53	17s14	3n 8	23s58	0s54	5n21	1s14	22n15	0n13	22s27	0s 1	14n 4	1s50	24s28	13s32	21s56	21s39	16s59	15n11	6s44
T 2	22 24	20 22	2 44	20 45	2 44	17 29	3 6	23 54	0 55	5 24	1 14	22 16	0 13	22 28	0 1	14 3	1 50	24 27	13 32	21 55	21 39	16 57	15 11	6 44
F 3	22 16	18 5	3 35	20 55	2 35	17 44	3 4	23 50	0 55	5 26	1 13	22 17	0 13	22 28	0 1	14 3	1 50	24 26	13 32	21 54	21 38	16 55	15 12	6 44
S 4	22 7	15 3	4 16	21 5	2 25	17 59	3 2	23 46	0 55	5 29	1 13	22 17	0 13	22 29	0 1	14 3	1 50	24 26	13 32	21 53	21 38	16 54	15 12	6 45
S 5	21 58	11 25	4 46	21 16	2 16	18 13	3 0	23 41	0 56	5 31	1 13	22 18	0 13	22 29	0 1	14 3	1 50	24 25	13 31	21 52	21 37	16 52	15 13	6 45
M 6	21 49	7 20	5 4	21 27	2 5	18 27	2 58	23 37	0 56	5 34	1 13	22 19	0 13	22 29	0 2	14 3	1 50	24 24	13 31	21 50	21 37	16 50	15 13	6 45
T 7	21 39	2 57	5 8	21 38	1 55	18 41	2 55	23 31	0 57	5 37	1 12	22 20	0 13	22 30	0 2	14 3	1 50	24 24	13 31	21 49	21 36	16 48	15 14	6 45
W 8	21 29	1n36	4 59	21 48	1 45	18 54	2 53	23 26	0 57	5 39	1 12	22 21	0 13	22 30	0 2	14 3	1 50	24 23	13 31	21 48	21 36	16 46	15 15	6 45
T 9	21 18	6 9	4 36	21 59	1 35	19 7	2 50	23 20	0 57	5 42	1 12	22 22	0 13	22 31	0 2	14 3	1 50	24 22	13 31	21 47	21 35	16 44	15 15	6 45
F 10	21 7	10 33	4 0	22 9	1 25	19 19	2 48	23 14	0 58	5 45	1 11	22 22	0 14	22 31	0 2	14 3	1 50	24 22	13 31	21 47	21 35	16 43	15 16	6 45
S 11	20 55	14 35	3 10	22 19	1 14	19 31	2 45	23 8	0 58	5 48	1 11	22 23	0 14	22 31	0 2	14 3	1 49	24 21	13 30	21 47	21 34	16 41	15 16	6 45
S 12	20 44	18 2	2 9	22 28	1 4	19 43	2 42	23 2	0 58	5 51	1 11	22 24	0 14	22 32	0 2	14 3	1 49	24 21	13 30	21 47	21 34	16 39	15 17	6 45
M13	20 31	20 36	0 59	22 36	0 54	19 54	2 39	22 55	0 59	5 54	1 11	22 25	0 14	22 32	0 2	14 3	1 49	24 20	13 30	21 47	21 33	16 37	15 18	6 45
T 14	20 19	21 59	0s17	22 44	0 45	20 5	2 36	22 48	0 59	5 57	1 10	22 25	0 14	22 32	0 2	14 3	1 49	24 19	13 30	21 47	21 32	16 35	15 18	6 45
W15	20 6	21 56	1 34	22 51	0 35	20 16	2 33	22 41	0 59	6 0	1 10	22 26	0 14	22 33	0 2	14 3	1 49	24 19	13 30	21 47	21 32	16 33	15 19	6 45
T 16	19 52	20 20	2 46	22 57	0 26	20 25	2 30	22 33	1 0	6 4	1 10	22 27	0 14	22 33	0 2	14 3	1 49	24 18	13 30	21 47	21 31	16 31	15 20	6 45
F 17	19 38	17 17	3 48	23 2	0 16	20 35	2 27	22 25	1 0	6 7	1 9	22 28	0 14	22 33	0 2	14 3	1 49	24 17	13 30	21 46	21 31	16 29	15 21	6 45
S 18	19 24	13 1	4 34	23 7	0 7	20 44	2 24	22 17	1 0	6 10	1 9	22 29	0 14	22 34	0 2	14 3	1 49	24 17	13 30	21 44	21 30	16 28	15 21	6 44
S 19	19 10	7 57	5 0	23 10	0s 1	20 52	2 21	22 9	1 0	6 14	1 9	22 29	0 15	22 34	0 2	14 3	1 49	24 16	13 29	21 43	21 30	16 26	15 22	6 44
M20	18 55	2 30	5 4	23 12	0 10	21 0	2 17	22 0	1 1	6 17	1 9	22 30	0 15	22 34	0 2	14 3	1 49	24 15	13 29	21 41	21 29	16 24	15 23	6 44
T 21	18 40	2s57	4 49	23 13	0 18	21 8	2 14	21 52	1 1	6 20	1 8	22 31	0 15	22 35	0 2	14 3	1 49	24 15	13 29	21 40	21 29	16 22	15 23	6 44
W22	18 24	8 4	4 16	23 13	0 26	21 14	2 11	21 42	1 1	6 24	1 8	22 31	0 15	22 35	0 2	14 4	1 49	24 14	13 29	21 39	21 28	16 20	15 24	6 44
T 23	18 8	12 36	3 30	23 11	0 34	21 21	2 7	21 33	1 2	6 28	1 8	22 32	0 15	22 35	0 2	14 4	1 49	24 13	13 29	21 39	21 28	16 18	15 25	6 44
F 24	17 52	16 22	2 34	23 9	0 42	21 27	2 4	21 24	1 2	6 31	1 8	22 33	0 15	22 36	0 2	14 4	1 49	24 13	13 29	21 39	21 27	16 16	15 26	6 44
S 25	17 36	19 15	1 33	23 5	0 49	21 32	2 0	21 14	1 2	6 35	1 7	22 34	0 15	22 36	0 2	14 4	1 49	24 12	13 29	21 39	21 26	16 14	15 26	6 43
S 26	17 19	21 9	0 28	23 0	0 56	21 36	1 57	21 4	1 2	6 39	1 7	22 34	0 15	22 36	0 2	14 4	1 49	24 12	13 29	21 39	21 26	16 13	15 27	6 43
M27	17 2	22 1	0n37	22 54	1 3	21 41	1 53	20 54	1 3	6 42	1 7	22 35	0 15	22 37	0 2	14 4	1 48	24 11	13 29	21 39	21 25	16 11	15 28	6 43
T 28	16 44	21 52	1 38	22 46	1 9	21 44	1 49	20 43	1 3	6 46	1 7	22 36	0 15	22 37	0 2	14 4	1 48	24 10	13 29	21 38	21 25	16 9	15 29	6 43
W29	16 27	20 44	2 35	22 37	1 15	21 47	1 46	20 32	1 3	6 50	1 6	22 36	0 15	22 37	0 2	14 5	1 48	24 10	13 29	21 38	21 24	16 7	15 29	6 42
T 30	16 9	18 42	3 25	22 27	1 21	21 49	1 42	20 21	1 3	6 54	1 6	22 37	0 16	22 37	0 2	14 5	1 48	24 9	13 29	21 36	21 24	16 5	15 30	6 42
F 31	15s51	15s53	4n 6	22s15	1s27	21s51	1n38	20s10	1s 4	6n58	1s 6	22n37	0n16	22s38	0s 2	14n 5	1s48	24s 8	13s29	21s35	21s23	16s 3	15n31	6s42

Julian Day Number = 2109318.5, Delta T = 19m51s
Ecliptic obliquity = 23°33'35, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°40'44, Lahiri = 10°47'44 Julian Calendar 1 Jan. 1063 == Greg. Calendar 7 Jan. 1063

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1063
geocentric

FEBRUARY 1063 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 5 39	17♒55'32	13♒30	28♉38	5♉28	5♒40	20♈29	17°R46	14♐ 4	12♉57	29♒51	6°R45	5♐46	0♒34	19°R21	S 1
S 2	9 9 36	18°55'59	25°26	0♒ 9	6°38	6°27	20°39	17♋42	14° 6	12°58	29°53	6♐31	5°43	0°41	19♋17	S 2
M 3	9 13 33	19°56'25	7♓28	1°42	7°49	7°14	20°49	17°38	14° 8	12°58	29°54	6°17	5°40	0°48	19°14	M 3
T 4	9 17 29	20°56'48	19°36	3°15	8°59	8° 1	21° 0	17°34	14°10	12°59	29°56	6° 4	5°37	0°54	19°10	T 4
W 5	9 21 26	21°57'10	1♈52	4°49	10°10	8°48	21°10	17°31	14°12	12°59	29°58	5°53	5°33	1° 1	19° 7	W 5
T 6	9 25 22	22°57'29	14°18	6°24	11°20	9°36	21°21	17°27	14°14	13° 0	29°59	5°44	5°30	1° 8	19° 3	T 6
F 7	9 29 19	23°57'47	26°56	8° 0	12°31	10°23	21°31	17°24	14°16	13° 1	0♓ 1	5°39	5°27	1°15	19° 0	F 7
S 8	9 33 15	24°58'02	9♉48	9°38	13°41	11°10	21°42	17°20	14°17	13° 1	0° 2	5°36	5°24	1°21	18°57	S 8
S 9	9 37 12	25°58'16	22°59	11°16	14°52	11°57	21°53	17°17	14°19	13° 2	0° 4	5°D36	5°21	1°28	18°54	S 9
M10	9 41 8	26°58'28	6♊31	12°55	16° 3	12°44	22° 3	17°14	14°21	13° 3	0° 6	5°R36	5°18	1°35	18°51	M10
T 11	9 45 5	27°58'37	20°26	14°35	17°14	13°32	22°14	17°10	14°22	13° 4	0° 7	5°35	5°14	1°41	18°48	T 11
W12	9 49 2	28°58'44	4♋46	16°17	18°25	14°19	22°26	17° 7	14°24	13° 5	0° 9	5°33	5°11	1°48	18°45	W12
T 13	9 52 58	29°58'49	19°28	17°59	19°36	15° 6	22°37	17° 4	14°25	13° 6	0°10	5°28	5° 8	1°55	18°42	T 13
F 14	9 56 55	0♓58'52	4♌28	19°43	20°47	15°53	22°48	17° 2	14°27	13° 6	0°12	5°20	5° 5	2° 1	18°40	F 14
S 15	10 0 51	1°58'53	19°38	21°27	21°58	16°41	22°59	16°59	14°28	13° 7	0°14	5°10	5° 2	2° 8	18°37	S 15
S 16	10 4 48	2°58'51	4♍48	23°13	23° 9	17°28	23°11	16°56	14°30	13° 8	0°15	4°59	4°58	2°15	18°34	S 16
M17	10 8 44	3°58'48	19°47	25° 0	24°21	18°15	23°22	16°54	14°31	13° 9	0°17	4°47	4°55	2°22	18°32	M17
T 18	10 12 41	4°58'43	4♎26	26°48	25°32	19° 2	23°34	16°51	14°32	13°10	0°19	4°37	4°52	2°28	18°29	T 18
W19	10 16 37	5°58'36	18°37	28°37	26°43	19°49	23°46	16°49	14°34	13°12	0°20	4°29	4°49	2°35	18°27	W19
T 20	10 20 34	6°58'27	2♏20	0♓27	27°55	20°36	23°58	16°46	14°35	13°13	0°22	4°23	4°46	2°42	18°25	T 20
F 21	10 24 31	7°58'17	15°32	2°18	29° 6	21°24	24°10	16°44	14°36	13°14	0°23	4°21	4°43	2°48	18°23	F 21
S 22	10 28 27	8°58'05	28°19	4°11	0♒18	22°11	24°22	16°42	14°37	13°15	0°25	4°20	4°39	2°55	18°21	S 22
S 23	10 32 24	9°57'51	10♐43	6° 5	1°29	22°58	24°34	16°40	14°38	13°16	0°27	4°20	4°36	3° 2	18°19	S 23
M24	10 36 20	10°57'35	22°51	7°59	2°41	23°45	24°46	16°38	14°39	13°17	0°28	4°19	4°33	3° 8	18°17	M24
T 25	10 40 17	11°57'18	4♑47	9°55	3°52	24°32	24°58	16°37	14°40	13°19	0°30	4°17	4°30	3°15	18°15	T 25
W26	10 44 13	12°56'59	16°38	11°52	5° 4	25°19	25°10	16°35	14°41	13°20	0°31	4°13	4°27	3°22	18°13	W26
T 27	10 48 10	13°56'38	28°26	13°50	6°16	26° 6	25°23	16°33	14°42	13°21	0°33	4° 6	4°24	3°29	18°12	T 27
F 28	10 52 6	14♓56'15	10♒17	15♓49	7♒28	26♒54	25♈35	16♋32	14♐42	13♉23	0♓35	3♐56	4♐20	3♒35	18♋10	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	15s32	12s26	4n37	22s 2	1s32	21s52	1n34	19s59	1s 4	7n 2	1s 6	22n38	0n16	22s38	0s 2	14n 5	1s48	24s 8	13s29	21s33	21s23	16s 1	15n32	6s42	S 1
S 2	15 13	8 28	4 55	21 48	1 37	21 53	1 31	19 47	1 4	7 6	1 5	22 39	0 16	22 38	0 2	14 5	1 48	24 7	13 28	21 30	21 22	15 59	15 32	6 41	S 2
M 3	14 54	4 10	5 1	21 32	1 42	21 53	1 27	19 35	1 4	7 10	1 5	22 39	0 16	22 38	0 2	14 6	1 48	24 7	13 28	21 28	21 21	15 57	15 33	6 41	M 3
T 4	14 35	0n21	4 53	21 15	1 46	21 52	1 23	19 23	1 4	7 14	1 5	22 40	0 16	22 39	0 2	14 6	1 48	24 6	13 28	21 26	21 21	15 55	15 34	6 41	T 4
W 5	14 16	4 53	4 31	20 56	1 50	21 51	1 19	19 11	1 5	7 18	1 5	22 40	0 16	22 39	0 2	14 6	1 48	24 5	13 28	21 24	21 20	15 53	15 35	6 40	W 5
T 6	13 56	9 17	3 56	20 36	1 53	21 49	1 15	18 59	1 5	7 22	1 5	22 41	0 16	22 39	0 2	14 6	1 48	24 5	13 28	21 22	21 20	15 52	15 36	6 40	T 6
F 7	13 36	13 22	3 9	20 14	1 56	21 47	1 12	18 46	1 5	7 26	1 4	22 42	0 16	22 39	0 2	14 7	1 48	24 4	13 28	21 21	21 19	15 50	15 36	6 40	F 7
S 8	13 16	16 55	2 12	19 51	1 59	21 44	1 8	18 33	1 5	7 30	1 4	22 42	0 16	22 40	0 2	14 7	1 48	24 4	13 28	21 21	21 19	15 48	15 37	6 39	S 8
S 9	12 56	19 41	1 6	19 26	2 2	21 40	1 4	18 20	1 5	7 35	1 4	22 43	0 16	22 40	0 2	14 7	1 48	24 3	13 28	21 21	21 18	15 46	15 38	6 39	S 9
M10	12 35	21 26	0s 5	19 0	2 4	21 36	1 0	18 7	1 5	7 39	1 4	22 43	0 17	22 40	0 2	14 8	1 48	24 2	13 28	21 21	21 17	15 44	15 39	6 39	M10
T 11	12 14	21 55	1 18	18 32	2 5	21 31	0 56	17 54	1 6	7 43	1 4	22 44	0 17	22 40	0 2	14 8	1 47	24 2	13 28	21 21	21 17	15 42	15 39	6 38	T 11
W12	11 53	21 1	2 28	18 3	2 7	21 25	0 53	17 40	1 6	7 48	1 3	22 44	0 17	22 40	0 2	14 8	1 47	24 1	13 28	21 20	21 16	15 40	15 40	6 38	W12
T 13	11 32	18 41	3 30	17 32	2 8	21 19	0 49	17 26	1 6	7 52	1 3	22 44	0 17	22 41	0 2	14 8	1 47	24 1	13 28	21 19	21 16	15 38	15 41	6 37	T 13
F 14	11 11	15 3	4 18	17 0	2 8	21 12	0 45	17 12	1 6	7 56	1 3	22 45	0 17	22 41	0 2	14 9	1 47	24 0	13 28	21 18	21 15	15 36	15 42	6 37	F 14
S 15	10 49	10 25	4 49	16 26	2 8	21 5	0 41	16 58	1 6	8 1	1 3	22 45	0 17	22 41	0 2	14 9	1 47	24 0	13 29	21 16	21 15	15 34	15 43	6 37	S 15
S 16	10 28	5 8	5 0	15 51	2 8	20 57	0 37	16 44	1 6	8 5	1 2	22 46	0 17	22 41	0 2	14 10	1 47	23 59	13 29	21 14	21 14	15 32	15 43	6 36	S 16
M17	10 6	0s23	4 50	15 14	2 7	20 48	0 34	16 29	1 6	8 10	1 2	22 46	0 17	22 41	0 2	14 10	1 47	23 58	13 29	21 12	21 13	15 30	15 44	6 36	M17
T 18	9 44	5 45	4 21	14 36	2 5	20 39	0 30	16 15	1 6	8 14	1 2	22 47	0 17	22 41	0 2	14 10	1 47	23 58	13 29	21 10	21 13	15 28	15 45	6 35	T 18
W19	9 22	10 40	3 36	13 56	2 3	20 29	0 26	16 0	1 7	8 19	1 2	22 47	0 17	22 42	0 2	14 11	1 47	23 57	13 29	21 9	21 12	15 26	15 46	6 35	W19
T 20	9 0	14 51	2 40	13 15	2 1	20 19	0 23	15 45	1 7	8 23	1 2	22 47	0 17	22 42	0 2	14 11	1 47	23 57	13 29	21 8	21 12	15 24	15 46	6 34	T 20
F 21	8 37	18 8	1 38	12 32	1 58	20 8	0 19	15 30	1 7	8 28	1 2	22 48	0 17	22 42	0 2	14 11	1 47	23 56	13 29	21 7	21 11	15 22	15 47	6 34	F 21
S 22	8 15	20 24	0 32	11 48	1 55	19 56	0 15	15 14	1 7	8 32	1 1	22 48	0 18	22 42	0 2	14 12	1 47	23 56	13 29	21 7	21 11	15 20	15 48	6 33	S 22
S 23	7 52	21 36	0n34	11 2	1 51	19 44	0 12	14 59	1 7	8 37	1 1	22 48	0 18	22 42	0 2	14 12	1 47	23 55	13 29	21 7	21 10	15 19	15 49	6 33	S 23
M24	7 30	21 46	1 36	10 15	1 46	19 32	0 8	14 43	1 7	8 42	1 1	22 49	0 18	22 42	0 2	14 13	1 47	23 55	13 29	21 7	21 9	15 17	15 49	6 32	M24
T 25	7 7	20 55	2 34	9 27	1 41	19 18	0 5	14 28	1 7	8 46	1 1	22 49	0 18	22 42	0 2	14 13	1 47	23 54	13 29	21 6	21 9	15 15	15 50	6 32	T 25
W26	6 44	19 9	3 24	8 37	1 35	19 5	0 1	14 12	1 7	8 51	1 1	22 49	0 18	22 43	0 2	14 14	1 47	23 54	13 29	21 6	21 8	15 13	15 51	6 31	W26
T 27	6 21	16 35	4 5	7 46	1 29	18 50	0s 2	13 56	1 7	8 56	1 0	22 49	0 18	22 43	0 2	14 14	1 47	23 53	13 29	21 4	21 8	15 11	15 51	6 31	T 27
F 28	5s58	13s20	4n36	6s53	1s23	18s35	0s 6	13s40	1s 7	9n 0	1s 0	22n50	0n18	22s43	0s 2	14n14	1s46	23s53	13s29	21s 3	21s 7	15s 9	15n52	6s30	F 28

Julian Day Number = 2109349.5, Delta T = 19m51s
Ecliptic obliquity = 23°33'35, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°40'48, Lahiri = 10°47'49 Julian Calendar 1 Feb. 1063 == Greg. Calendar 7 Feb. 1063

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1063
geocentric

MARCH 1063 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 56 3	15♓55'50	22♒13	17♓48	8♒39	27♒41	25♈48	16°R31	14♐43	13♉24	0♓36	3°R44	4♐17	3♒42	18°R 9	S 1
S 2	10 59 59	16°55'23	4♓16	19°49	9°51	28°28	26° 0	16♋29	14°44	13°25	0°38	3♐31	4°14	3°49	18♋ 7	S 2
M 3	11 3 56	17°54'54	16°27	21°50	11° 3	29°15	26°13	16°28	14°44	13°27	0°39	3°17	4°11	3°55	18° 6	M 3
T 4	11 7 53	18°54'23	28°48	23°51	12°15	0♓ 2	26°25	16°27	14°45	13°28	0°41	3° 4	4° 8	4° 2	18° 5	T 4
W 5	11 11 49	19°53'50	11♈19	25°52	13°27	0°49	26°38	16°26	14°46	13°30	0°42	2°53	4° 4	4° 9	18° 4	W 5
T 6	11 15 46	20°53'15	24° 0	27°54	14°39	1°36	26°51	16°25	14°46	13°31	0°44	2°45	4° 1	4°15	18° 3	T 6
F 7	11 19 42	21°52'38	6♉52	29°55	15°51	2°23	27° 4	16°25	14°46	13°33	0°45	2°39	3°58	4°22	18° 2	F 7
S 8	11 23 39	22°51'58	19°55	1♈56	17° 3	3°10	27°17	16°24	14°47	13°34	0°47	2°36	3°55	4°29	18° 1	S 8
S 9	11 27 35	23°51'16	3♊13	3°56	18°15	3°57	27°30	16°24	14°47	13°36	0°48	2°D36	3°52	4°36	18° 1	S 9
M10	11 31 32	24°50'32	16°45	5°54	19°27	4°44	27°43	16°23	14°47	13°37	0°50	2°36	3°49	4°42	18° 0	M10
T 11	11 35 28	25°49'45	0♋35	7°51	20°39	5°30	27°56	16°23	14°47	13°39	0°51	2°R36	3°45	4°49	18° 0	T 11
W12	11 39 25	26°48'56	14°42	9°47	21°51	6°17	28° 9	16°23	14°48	13°41	0°53	2°35	3°42	4°56	18° 0	W12
T 13	11 43 22	27°48'05	29° 6	11°39	23° 3	7° 4	28°23	16°D23	14°48	13°42	0°54	2°31	3°39	5° 2	17°59	T 13
F 14	11 47 18	28°47'11	13♌44	13°29	24°16	7°51	28°36	16°23	14°R48	13°44	0°56	2°26	3°36	5° 9	17°59	F 14
S 15	11 51 15	29°46'14	28°31	15°16	25°28	8°38	28°49	16°23	14°48	13°46	0°57	2°17	3°33	5°16	17°D59	S 15
S 16	11 55 11	0♈45'16	13♍19	16°59	26°40	9°25	29° 2	16°24	14°48	13°48	0°59	2° 8	3°30	5°23	17°59	S 16
M17	11 59 8	1°44'15	28° 1	18°39	27°52	10°11	29°16	16°24	14°48	13°49	1° 0	1°59	3°26	5°29	17°59	M17
T 18	12 3 4	2°43'12	12♎27	20°14	29° 4	10°58	29°29	16°24	14°47	13°51	1° 2	1°50	3°23	5°36	18° 0	T 18
W19	12 7 1	3°42'07	26°33	21°45	0♓17	11°45	29°43	16°25	14°47	13°53	1° 3	1°43	3°20	5°43	18° 0	W19
T 20	12 10 57	4°41'01	10♏13	23°10	1°29	12°31	29°56	16°26	14°47	13°55	1° 4	1°39	3°17	5°49	18° 0	T 20
F 21	12 14 54	5°39'52	23°28	24°31	2°41	13°18	0♉10	16°27	14°47	13°57	1° 6	1°37	3°14	5°56	18° 1	F 21
S 22	12 18 51	6°38'42	6♐18	25°47	3°54	14° 5	0°24	16°28	14°46	13°58	1° 7	1°D36	3°10	6° 3	18° 2	S 22
S 23	12 22 47	7°37'30	18°47	26°57	5° 6	14°51	0°37	16°29	14°46	14° 0	1° 9	1°37	3° 7	6° 9	18° 2	S 23
M24	12 26 44	8°36'16	0♑58	28° 2	6°18	15°38	0°51	16°30	14°45	14° 2	1°10	1°38	3° 4	6°16	18° 3	M24
T 25	12 30 40	9°35'00	12°58	29° 0	7°31	16°24	1° 5	16°31	14°45	14° 4	1°11	1°R39	3° 1	6°23	18° 4	T 25
W26	12 34 37	10°33'43	24°50	29°53	8°43	17°11	1°18	16°32	14°44	14° 6	1°12	1°37	2°58	6°30	18° 5	W26
T 27	12 38 33	11°32'23	6♒41	0♉40	9°56	17°57	1°32	16°34	14°44	14° 8	1°14	1°34	2°55	6°36	18° 6	T 27
F 28	12 42 30	12°31'02	18°34	1°21	11° 8	18°44	1°46	16°36	14°43	14°10	1°15	1°29	2°51	6°43	18° 7	F 28
S 29	12 46 26	13°29'40	0♓34	1°56	12°21	19°30	2° 0	16°37	14°42	14°12	1°16	1°22	2°48	6°50	18° 9	S 29
S 30	12 50 23	14°28'15	12°44	2°25	13°33	20°16	2°14	16°39	14°41	14°14	1°18	1°13	2°45	6°56	18°10	S 30
M31	12 54 19	15♈26'48	25♓ 5	2♉48	14♓46	21♓ 3	2♉28	16♋41	14♐41	14♉16	1♓19	1♐ 5	2♐42	7♒ 3	18♋12	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	5s35	9s32	4n54	6s 0	1s15	18s20	0s 9	13s23	1s 7	9n 5	1s 0	22n50	0n18	22s43	0s 2	14n15	1s46	23s52	13s30	21s 0	21s 6	15s 7	15n53	6s30	S 1
S 2	5 11	5 20	5 0	5 5	1 8	18 4	0 12	13 7	1 7	9 10	1 0	22 50	0 18	22 43	0 2	14 15	1 46	23 52	13 30	20 58	21 6	15 5	15 54	6 29	S 2
M 3	4 48	0 53	4 53	4 10	0 59	17 48	0 16	12 50	1 7	9 14	1 0	22 50	0 18	22 43	0 2	14 16	1 46	23 51	13 30	20 55	21 5	15 3	15 54	6 29	M 3
T 4	4 25	3n40	4 31	3 13	0 50	17 31	0 19	12 34	1 7	9 19	1 0	22 51	0 18	22 43	0 2	14 16	1 46	23 51	13 30	20 53	21 5	15 1	15 55	6 28	T 4
W 5	4 1	8 7	3 56	2 16	0 41	17 13	0 22	12 17	1 7	9 24	0 59	22 51	0 18	22 43	0 2	14 17	1 46	23 50	13 30	20 50	21 4	14 59	15 56	6 28	W 5
T 6	3 38	12 17	3 9	1 19	0 31	16 55	0 25	12 0	1 7	9 29	0 59	22 51	0 18	22 43	0 2	14 17	1 46	23 50	13 30	20 49	21 3	14 57	15 56	6 27	T 6
F 7	3 14	15 57	2 12	0 21	0 21	16 37	0 28	11 43	1 7	9 34	0 59	22 51	0 18	22 43	0 2	14 18	1 46	23 50	13 30	20 48	21 3	14 55	15 57	6 27	F 7
S 8	2 51	18 53	1 7	0n37	0 10	16 18	0 31	11 26	1 7	9 38	0 59	22 51	0 19	22 43	0 2	14 18	1 46	23 49	13 31	20 47	21 2	14 53	15 58	6 26	S 8
S 9	2 27	20 51	0s 3	1 35	0n 1	15 59	0 34	11 9	1 7	9 43	0 59	22 51	0 19	22 43	0 2	14 19	1 46	23 49	13 31	20 47	21 2	14 51	15 58	6 26	S 9
M10	2 4	21 40	1 15	2 33	0 13	15 39	0 37	10 52	1 7	9 48	0 59	22 51	0 19	22 43	0 2	14 19	1 46	23 48	13 31	20 47	21 1	14 49	15 59	6 25	M10
T 11	1 40	21 10	2 23	3 30	0 24	15 19	0 40	10 34	1 7	9 53	0 59	22 52	0 19	22 43	0 2	14 20	1 46	23 48	13 31	20 47	21 1	14 47	15 59	6 24	T 11
W12	1 16	19 22	3 24	4 27	0 36	14 58	0 43	10 17	1 7	9 58	0 58	22 52	0 19	22 43	0 2	14 20	1 46	23 47	13 31	20 47	21 0	14 45	16 0	6 24	W12
T 13	0 53	16 18	4 14	5 22	0 48	14 37	0 46	10 0	1 7	10 3	0 58	22 52	0 19	22 43	0 2	14 21	1 46	23 47	13 31	20 46	20 59	14 43	16 1	6 23	T 13
F 14	0 29	12 11	4 48	6 16	1 0	14 16	0 49	9 42	1 7	10 7	0 58	22 52	0 19	22 43	0 2	14 22	1 46	23 47	13 32	20 45	20 59	14 41	16 1	6 23	F 14
S 15	0 6	7 19	5 3	7 9	1 12	13 54	0 51	9 24	1 7	10 12	0 58	22 52	0 19	22 44	0 2	14 22	1 46	23 46	13 32	20 43	20 58	14 39	16 2	6 22	S 15
S 16	0n18	2 0	4 58	7 59	1 24	13 32	0 54	9 6	1 7	10 17	0 58	22 52	0 19	22 44	0 2	14 23	1 46	23 46	13 32	20 42	20 57	14 37	16 2	6 22	S 16
M17	0 42	3s23	4 33	8 48	1 35	13 9	0 56	8 49	1 6	10 22	0 58	22 52	0 19	22 44	0 2	14 23	1 46	23 46	13 32	20 40	20 57	14 35	16 3	6 21	M17
T 18	1 5	8 29	3 51	9 35	1 46	12 46	0 59	8 31	1 6	10 27	0 58	22 52	0 19	22 43	0 2	14 24	1 46	23 45	13 32	20 38	20 56	14 33	16 3	6 20	T 18
W19	1 29	13 1	2 56	10 19	1 57	12 23	1 1	8 13	1 6	10 32	0 57	22 52	0 19	22 43	0 2	14 24	1 46	23 45	13 32	20 37	20 56	14 31	16 4	6 20	W19
T 20	1 52	16 44	1 52	11 1	2 7	11 59	1 3	7 55	1 6	10 37	0 57	22 52	0 19	22 43	0 2	14 25	1 46	23 45	13 33	20 36	20 55	14 29	16 4	6 19	T 20
F 21	2 16	19 26	0 44	11 40	2 16	11 35	1 6	7 37	1 6	10 42	0 57	22 52	0 19	22 43	0 2	14 26	1 45	23 44	13 33	20 35	20 54	14 27	16 5	6 19	F 21
S 22	2 39	21 3	0n25	12 16	2 25	11 11	1 8	7 18	1 6	10 47	0 57	22 52	0 19	22 43	0 2	14 26	1 45	23 44	13 33	20 35	20 54	14 25	16 5	6 18	S 22
S 23	3 2	21 34	1 31	12 49	2 33	10 46	1 10	7 0	1 6	10 51	0 57	22 52	0 20	22 43	0 2	14 27	1 45	23 44	13 33	20 35	20 53	14 23	16 6	6 18	S 23
M24	3 26	21 2	2 31	13 19	2 41	10 21	1 12	6 42	1 6	10 56	0 57	22 52	0 20	22 43	0 2	14 27	1 45	23 43	13 34	20 36	20 53	14 21	16 6	6 17	M24
T 25	3 49	19 33	3 23	13 46	2 47	9 56	1 14	6 24	1 5	11 1	0 57	22 51	0 20	22 43	0 2	14 28	1 45	23 43	13 34	20 36	20 52	14 19	16 7	6 16	T 25
W26	4 12	17 13	4 7	14 11	2 52	9 31	1 16	6 5	1 5	11 6	0 57	22 51	0 20	22 43	0 2	14 29	1 45	23 43	13 34	20 35	20 51	14 17	16 7	6 16	W26
T 27	4 35	14 12	4 39	14 31	2 57	9 5	1 18	5 47	1 5	11 11	0 56	22 51	0 20	22 43	0 2	14 29	1 45	23 43	13 34	20 35	20 51	14 15	16 8	6 15	T 27
F 28	4 58	10 35	5 0	14 49	3 0	8 39	1 19	5 28	1 5	11 16	0 56	22 51	0 20	22 43	0 2	14 30	1 45	23 42	13 34	20 34	20 50	14 13	16 8	6 15	F 28
S 29	5 21	6 32	5 7	15 3	3 2	8 13	1 21	5 10	1 5	11 21	0 56	22 51	0 20	22 43	0 2	14 30	1 45	23 42	13 35	20 32	20 49	14 11	16 9	6 14	S 29
S 30	5 44	2 11	5 1	15 14	3 3	7 46	1 23	4 52	1 4	11 26	0 56	22 51	0 20	22 43	0 2	14 31	1 45	23 42	13 35	20 30	20 49	14 9	16 9	6 13	S 30
M31	6n 7	2n20	4n41	15n22	3n 3	7s19	1s24	4s33	1s 4	11n31	0s56	22n51	0n20	22s43	0s 2	14n32	1s45	23s42	13s35	20s29	20s48	14s 7	16n 9	6s13	M31

Julian Day Number = 2109377.5, Delta T = 19m51s
Ecliptic obliquity = 23°33'35, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°40'52, Lahiri = 10°47'52 Julian Calendar 1 March 1063 == Greg. Calendar 7 March 1063

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1063
geocentric

APRIL 1063 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 58 16	16♈25'20	7♈39	3♉ 4	15♓58	21♓49	2♉42	16♋43	14°R40	14♉18	1♓20	0°R57	2♐39	7♒10	18♋13	T 1
W 2	13 2 13	17°23'50	20°27	3°15	17°11	22°35	2°56	16°45	14♐39	14°20	1°21	0♐50	2°35	7°17	18°15	W 2
T 3	13 6 9	18°22'18	3♉27	3°R19	18°23	23°22	3° 9	16°47	14°38	14°22	1°22	0°45	2°32	7°23	18°17	T 3
F 4	13 10 6	19°20'44	16°40	3°18	19°36	24° 8	3°23	16°50	14°37	14°24	1°24	0°42	2°29	7°30	18°19	F 4
S 5	13 14 2	20°19'08	0♊ 5	3°12	20°48	24°54	3°38	16°52	14°36	14°26	1°25	0°D41	2°26	7°37	18°21	S 5
S 6	13 17 59	21°17'30	13°41	3° 0	22° 1	25°40	3°52	16°55	14°35	14°28	1°26	0°42	2°23	7°43	18°23	S 6
M 7	13 21 55	22°15'50	27°27	2°43	23°14	26°26	4° 6	16°57	14°34	14°30	1°27	0°43	2°20	7°50	18°25	M 7
T 8	13 25 52	23°14'08	11♋24	2°21	24°26	27°12	4°20	17° 0	14°32	14°32	1°28	0°44	2°16	7°57	18°27	T 8
W 9	13 29 48	24°12'23	25°30	1°55	25°39	27°58	4°34	17° 3	14°31	14°35	1°29	0°R45	2°13	8° 4	18°30	W 9
T 10	13 33 45	25°10'37	9♌43	1°26	26°51	28°44	4°48	17° 6	14°30	14°37	1°30	0°44	2°10	8°10	18°32	T 10
F 11	13 37 42	26° 8'48	24° 3	0°54	28° 4	29°30	5° 2	17° 9	14°28	14°39	1°31	0°42	2° 7	8°17	18°35	F 11
S 12	13 41 38	27° 6'57	8♍26	0°19	29°17	0♈16	5°16	17°12	14°27	14°41	1°32	0°38	2° 4	8°24	18°38	S 12
S 13	13 45 35	28° 5'04	22°46	29♈42	0♈29	1° 2	5°30	17°15	14°26	14°43	1°33	0°33	2° 1	8°30	18°40	S 13
M14	13 49 31	29° 3'10	7♎ 0	29° 4	1°42	1°47	5°44	17°18	14°24	14°45	1°34	0°28	1°57	8°37	18°43	M14
T 15	13 53 28	0♉ 1'13	21° 2	28°26	2°55	2°33	5°59	17°22	14°23	14°48	1°35	0°24	1°54	8°44	18°46	T 15
W16	13 57 24	0°59'15	4♏48	27°48	4° 7	3°19	6°13	17°25	14°21	14°50	1°36	0°21	1°51	8°50	18°49	W16
T 17	14 1 21	1°57'15	18°15	27°11	5°20	4° 4	6°27	17°29	14°20	14°52	1°37	0°19	1°48	8°57	18°52	T 17
F 18	14 5 17	2°55'14	1♐21	26°36	6°33	4°50	6°41	17°33	14°18	14°54	1°38	0°D18	1°45	9° 4	18°55	F 18
S 19	14 9 14	3°53'11	14° 8	26° 3	7°45	5°36	6°55	17°36	14°16	14°56	1°39	0°19	1°41	9°11	18°59	S 19
S 20	14 13 11	4°51'06	26°36	25°32	8°58	6°21	7°10	17°40	14°15	14°59	1°40	0°20	1°38	9°17	19° 2	S 20
M21	14 17 7	5°49'01	8♑49	25° 5	10°11	7° 7	7°24	17°44	14°13	15° 1	1°41	0°22	1°35	9°24	19° 6	M21
T 22	14 21 4	6°46'54	20°51	24°40	11°24	7°52	7°38	17°48	14°11	15° 3	1°42	0°24	1°32	9°31	19° 9	T 22
W23	14 25 0	7°44'45	2♒46	24°20	12°36	8°37	7°52	17°52	14°10	15° 5	1°42	0°R24	1°29	9°37	19°13	W23
T 24	14 28 57	8°42'36	14°38	24° 4	13°49	9°23	8° 6	17°57	14° 8	15° 8	1°43	0°24	1°26	9°44	19°16	T 24
F 25	14 32 53	9°40'25	26°34	23°53	15° 2	10° 8	8°20	18° 1	14° 6	15°10	1°44	0°23	1°22	9°51	19°20	F 25
S 26	14 36 50	10°38'12	8♓36	23°45	16°15	10°53	8°35	18° 5	14° 4	15°12	1°45	0°22	1°19	9°58	19°24	S 26
S 27	14 40 46	11°35'59	20°49	23°D42	17°28	11°38	8°49	18°10	14° 2	15°14	1°45	0°19	1°16	10° 4	19°28	S 27
M28	14 44 43	12°33'44	3♈17	23°44	18°40	12°24	9° 3	18°14	14° 0	15°17	1°46	0°16	1°13	10°11	19°32	M28
T 29	14 48 40	13°31'28	16° 1	23°51	19°53	13° 9	9°17	18°19	13°58	15°19	1°47	0°14	1°10	10°18	19°36	T 29
W30	14 52 36	14♉29'11	29♈ 3	24♈ 2	21♈ 6	13♈54	9♉31	18♋24	13♐56	15♉21	1♓47	0♐12	1♐ 6	10♒24	19♋40	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n29	6n50	4n 7	15n26	3n 2	6s52	1s26	4s14	1s 4	11n36	0s56	22n50	0n20	22s43	0s 2	14n32	1s45	23s41	13s35	20s27	20s48	14s 5	16n10	6s12
W 2	6 52	11 7	3 20	15 28	2 59	6 25	1 27	3 56	1 4	11 40	0 56	22 50	0 20	22 43	0 2	14 33	1 45	23 41	13 36	20 26	20 47	14 3	16 10	6 12
T 3	7 14	14 57	2 22	15 25	2 55	5 58	1 28	3 37	1 4	11 45	0 56	22 50	0 20	22 43	0 2	14 33	1 45	23 41	13 36	20 25	20 46	14 1	16 10	6 11
F 4	7 37	18 6	1 15	15 20	2 49	5 30	1 29	3 19	1 3	11 50	0 56	22 50	0 20	22 42	0 2	14 34	1 45	23 41	13 36	20 24	20 46	13 58	16 11	6 11
S 5	7 59	20 19	0 3	15 11	2 43	5 3	1 31	3 0	1 3	11 55	0 56	22 50	0 20	22 42	0 2	14 35	1 45	23 41	13 37	20 24	20 45	13 56	16 11	6 10
S 6	8 21	21 24	1s10	14 59	2 34	4 35	1 32	2 42	1 3	12 0	0 55	22 49	0 20	22 42	0 2	14 35	1 45	23 40	13 37	20 24	20 44	13 54	16 11	6 9
M 7	8 43	21 12	2 20	14 44	2 25	4 7	1 33	2 23	1 3	12 5	0 55	22 49	0 20	22 42	0 3	14 36	1 45	23 40	13 37	20 24	20 44	13 52	16 12	6 9
T 8	9 4	19 42	3 23	14 27	2 14	3 39	1 34	2 4	1 2	12 10	0 55	22 49	0 21	22 42	0 3	14 37	1 45	23 40	13 37	20 24	20 43	13 50	16 12	6 8
W 9	9 26	16 59	4 15	14 7	2 2	3 11	1 34	1 46	1 2	12 14	0 55	22 48	0 21	22 42	0 3	14 37	1 45	23 40	13 38	20 25	20 43	13 48	16 12	6 8
T 10	9 47	13 14	4 51	13 44	1 49	2 43	1 35	1 27	1 2	12 19	0 55	22 48	0 21	22 42	0 3	14 38	1 45	23 40	13 38	20 24	20 42	13 46	16 12	6 7
F 11	10 9	8 42	5 9	13 19	1 35	2 14	1 36	1 8	1 2	12 24	0 55	22 48	0 21	22 42	0 3	14 39	1 45	23 40	13 38	20 24	20 41	13 44	16 13	6 7
S 12	10 30	3 41	5 9	12 53	1 20	1 46	1 36	0 50	1 1	12 29	0 55	22 47	0 21	22 41	0 3	14 39	1 45	23 40	13 39	20 23	20 41	13 42	16 13	6 6
S 13	10 51	1s32	4 49	12 25	1 4	1 17	1 37	0 31	1 1	12 34	0 55	22 47	0 21	22 41	0 3	14 40	1 45	23 39	13 39	20 22	20 40	13 40	16 13	6 6
M14	11 12	6 38	4 11	11 57	0 48	0 49	1 37	0 13	1 1	12 38	0 55	22 47	0 21	22 41	0 3	14 41	1 45	23 39	13 39	20 21	20 39	13 38	16 13	6 5
T 15	11 32	11 18	3 18	11 27	0 31	0 20	1 38	0n 6	1 0	12 43	0 55	22 46	0 21	22 41	0 3	14 41	1 45	23 39	13 39	20 20	20 39	13 36	16 13	6 4
W16	11 53	15 18	2 15	10 58	0 14	0n 9	1 38	0 24	1 0	12 48	0 55	22 46	0 21	22 41	0 3	14 42	1 45	23 39	13 40	20 20	20 38	13 34	16 13	6 4
T 17	12 13	18 24	1 6	10 28	0s 3	0 37	1 38	0 43	1 0	12 53	0 55	22 45	0 21	22 41	0 3	14 43	1 45	23 39	13 40	20 19	20 37	13 32	16 13	6 3
F 18	12 33	20 26	0n 6	9 59	0 21	1 6	1 39	1 1	0 59	12 58	0 54	22 45	0 21	22 40	0 3	14 43	1 45	23 39	13 40	20 19	20 37	13 30	16 14	6 3
S 19	12 53	21 22	1 15	9 32	0 38	1 35	1 39	1 20	0 59	13 2	0 54	22 45	0 21	22 40	0 3	14 44	1 45	23 39	13 41	20 19	20 36	13 28	16 14	6 2
S 20	13 12	21 12	2 19	9 5	0 54	2 4	1 39	1 38	0 59	13 7	0 54	22 44	0 21	22 40	0 3	14 45	1 45	23 39	13 41	20 19	20 36	13 26	16 14	6 2
M21	13 32	20 0	3 16	8 40	1 10	2 32	1 39	1 57	0 58	13 12	0 54	22 44	0 21	22 40	0 3	14 45	1 45	23 39	13 41	20 20	20 35	13 24	16 14	6 1
T 22	13 51	17 56	4 3	8 17	1 26	3 1	1 39	2 15	0 58	13 16	0 54	22 43	0 21	22 40	0 3	14 46	1 45	23 39	13 42	20 20	20 34	13 21	16 14	6 1
W23	14 10	15 7	4 39	7 55	1 41	3 30	1 38	2 33	0 58	13 21	0 54	22 43	0 21	22 40	0 3	14 47	1 45	23 39	13 42	20 20	20 34	13 19	16 14	6 0
T 24	14 29	11 41	5 3	7 37	1 55	3 58	1 38	2 51	0 57	13 26	0 54	22 42	0 21	22 39	0 3	14 47	1 45	23 39	13 42	20 20	20 33	13 17	16 14	6 0
F 25	14 47	7 48	5 14	7 20	2 8	4 27	1 38	3 10	0 57	13 30	0 54	22 42	0 21	22 39	0 3	14 48	1 45	23 39	13 43	20 20	20 32	13 15	16 14	5 59
S 26	15 5	3 34	5 12	7 6	2 20	4 55	1 37	3 28	0 57	13 35	0 54	22 41	0 22	22 39	0 3	14 49	1 45	23 39	13 43	20 20	20 32	13 13	16 14	5 59
S 27	15 23	0n52	4 55	6 54	2 31	5 24	1 37	3 46	0 56	13 40	0 54	22 41	0 22	22 39	0 3	14 49	1 45	23 39	13 43	20 19	20 31	13 11	16 14	5 58
M28	15 41	5 21	4 24	6 46	2 41	5 52	1 36	4 4	0 56	13 44	0 54	22 40	0 22	22 38	0 3	14 50	1 45	23 39	13 44	20 19	20 30	13 9	16 14	5 58
T 29	15 59	9 43	3 40	6 39	2 51	6 20	1 36	4 22	0 55	13 49	0 54	22 40	0 22	22 38	0 3	14 51	1 45	23 39	13 44	20 18	20 30	13 7	16 14	5 57
W30	16n16	13n44	2n44	6n36	2s59	6n48	1s35	4n40	0s55	13n53	0s54	22n39	0n22	22s38	0s 3	14n51	1s45	23s39	13s44	20s18	20s29	13s 5	16n14	5s57

Julian Day Number = 2109408.5, Delta T = 19m50s
Ecliptic obliquity = 23°33'35, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°40'56, Lahiri = 10°47'57 Julian Calendar 1 Apr. 1063 == Greg. Calendar 7 Apr. 1063

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1063
geocentric

MAY 1063 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 56 33	15♉26'53	12♉22	24♈17	22♈19	14♈39	9♉45	18♋28	13°R54	15♉23	1♓48	0°R11	1♐ 3	10♒31	19♋44	T 1
F 2	15 0 29	16°24'33	25°58	24°37	23°32	15°24	10° 0	18°33	13♐52	15°26	1°49	0°D10	1° 0	10°38	19°49	F 2
S 3	15 4 26	17°22'12	9♊49	25° 1	24°45	16° 8	10°14	18°38	13°50	15°28	1°49	0♐10	0°57	10°45	19°53	S 3
S 4	15 8 22	18°19'50	23°51	25°29	25°58	16°53	10°28	18°43	13°48	15°30	1°50	0°11	0°54	10°51	19°58	S 4
M 5	15 12 19	19°17'26	8♋ 1	26° 2	27°10	17°38	10°42	18°48	13°46	15°32	1°50	0°12	0°51	10°58	20° 2	M 5
T 6	15 16 15	20°15'01	22°15	26°39	28°23	18°23	10°56	18°53	13°44	15°35	1°51	0°12	0°47	11° 5	20° 7	T 6
W 7	15 20 12	21°12'35	6♌32	27°19	29°36	19° 7	11°10	18°59	13°41	15°37	1°51	0°13	0°44	11°11	20°11	W 7
T 8	15 24 9	22°10'06	20°47	28° 3	0♉49	19°52	11°24	19° 4	13°39	15°39	1°52	0°R13	0°41	11°18	20°16	T 8
F 9	15 28 5	23° 7'37	4♍58	28°51	2° 2	20°37	11°38	19° 9	13°37	15°41	1°52	0°13	0°38	11°25	20°21	F 9
S 10	15 32 2	24° 5'05	19° 3	29°43	3°15	21°21	11°52	19°15	13°35	15°43	1°53	0°13	0°35	11°32	20°26	S 10
S 11	15 35 58	25° 2'33	3♎ 0	0♉38	4°28	22° 6	12° 6	19°20	13°32	15°46	1°53	0°12	0°32	11°38	20°31	S 11
M12	15 39 55	25°59'59	16°47	1°36	5°41	22°50	12°20	19°26	13°30	15°48	1°53	0°12	0°28	11°45	20°36	M12
T 13	15 43 51	26°57'24	0♏21	2°38	6°54	23°34	12°34	19°31	13°28	15°50	1°54	0°11	0°25	11°52	20°41	T 13
W14	15 47 48	27°54'48	13°41	3°43	8° 7	24°18	12°48	19°37	13°26	15°52	1°54	0°11	0°22	11°58	20°46	W14
T 15	15 51 44	28°52'11	26°47	4°51	9°20	25° 3	13° 2	19°43	13°23	15°55	1°54	0°D11	0°19	12° 5	20°51	T 15
F 16	15 55 41	29°49'33	9♐38	6° 2	10°33	25°47	13°16	19°49	13°21	15°57	1°55	0°R11	0°16	12°12	20°57	F 16
S 17	15 59 38	0♊46'54	22°14	7°16	11°46	26°31	13°29	19°55	13°19	15°59	1°55	0°11	0°12	12°19	21° 2	S 17
S 18	16 3 34	1°44'14	4♑36	8°34	12°59	27°15	13°43	20° 1	13°16	16° 1	1°55	0°11	0° 9	12°25	21° 7	S 18
M19	16 7 31	2°41'34	16°46	9°54	14°12	27°59	13°57	20° 7	13°14	16° 3	1°55	0°11	0° 6	12°32	21°13	M19
T 20	16 11 27	3°38'53	28°47	11°17	15°25	28°43	14°11	20°13	13°11	16° 6	1°56	0°10	0° 3	12°39	21°18	T 20
W21	16 15 24	4°36'11	10♒42	12°43	16°38	29°27	14°24	20°19	13° 9	16° 8	1°56	0°10	29♏59	12°46	21°24	W21
T 22	16 19 20	5°33'29	22°35	14°12	17°51	0♉11	14°38	20°25	13° 7	16°10	1°56	0° 9	29°57	12°52	21°30	T 22
F 23	16 23 17	6°30'46	4♓30	15°44	19° 4	0°54	14°52	20°31	13° 4	16°12	1°56	0°D 9	29°53	12°59	21°35	F 23
S 24	16 27 13	7°28'03	16°32	17°18	20°17	1°38	15° 5	20°38	13° 2	16°14	1°56	0° 9	29°50	13° 6	21°41	S 24
S 25	16 31 10	8°25'19	28°46	18°56	21°30	2°22	15°19	20°44	12°59	16°16	1°56	0°10	29°47	13°12	21°47	S 25
M26	16 35 7	9°22'35	11♈14	20°36	22°43	3° 5	15°32	20°50	12°57	16°18	1°56	0°11	29°44	13°19	21°53	M26
T 27	16 39 3	10°19'51	24° 2	22°19	23°56	3°49	15°46	20°57	12°54	16°20	1°R56	0°11	29°41	13°26	21°59	T 27
W28	16 43 0	11°17'07	7♉12	24° 5	25°10	4°32	15°59	21° 3	12°52	16°23	1°56	0°12	29°38	13°33	22° 5	W28
T 29	16 46 56	12°14'22	20°44	25°53	26°23	5°16	16°13	21°10	12°49	16°25	1°56	0°13	29°34	13°39	22°11	T 29
F 30	16 50 53	13°11'36	4♊38	27°44	27°36	5°59	16°26	21°17	12°47	16°27	1°56	0°R13	29°31	13°46	22°17	F 30
S 31	16 54 49	14♊ 8'51	18♊52	29♉38	28♉49	6♉42	16♉40	21♋23	12♐45	16♉29	1♓56	0♐13	29♏28	13♒53	22♋23	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	16n33	17n10	1n37	6n34	3s 6	7n16	1s34	4n58	0s55	13n58	0s54	22n38	0n22	22s38	0s 3	14n52	1s45	23s39	13s45	20s17	20s28	13s 3	16n13	5s56	
F 2	16 50	19 43	0 23	6 36	3 13	7 44	1 33	5 15	0 54	14 2	0 54	22 38	0 22	22 38	0 3	14 53	1 45	23 39	13 45	20 17	20 28	13 1	16 13	5 56	
S 3	17 6	21 9	0s53	6 40	3 18	8 12	1 33	5 33	0 54	14 7	0 54	22 37	0 22	22 37	0 3	14 53	1 45	23 40	13 45	20 17	20 27	12 59	16 13	5 55	
S 4	17 22	21 18	2 7	6 46	3 22	8 39	1 32	5 51	0 53	14 11	0 53	22 36	0 22	22 37	0 3	14 54	1 45	23 40	13 46	20 17	20 26	12 57	16 13	5 55	
M 5	17 38	20 5	3 14	6 55	3 26	9 7	1 31	6 8	0 53	14 16	0 53	22 36	0 22	22 37	0 3	14 54	1 45	23 40	13 46	20 18	20 26	12 54	16 13	5 54	
T 6	17 54	17 36	4 10	7 5	3 28	9 34	1 29	6 26	0 52	14 20	0 53	22 35	0 22	22 37	0 3	14 55	1 45	23 40	13 46	20 18	20 25	12 52	16 13	5 54	
W 7	18 9	14 3	4 50	7 18	3 30	10 1	1 28	6 43	0 52	14 25	0 53	22 34	0 22	22 36	0 3	14 56	1 45	23 40	13 47	20 18	20 24	12 50	16 12	5 53	
T 8	18 24	9 42	5 12	7 33	3 31	10 27	1 27	7 1	0 52	14 29	0 53	22 34	0 22	22 36	0 3	14 56	1 45	23 40	13 47	20 18	20 24	12 48	16 12	5 53	
F 9	18 39	4 50	5 16	7 50	3 31	10 54	1 26	7 18	0 51	14 33	0 53	22 33	0 22	22 36	0 3	14 57	1 45	23 40	13 47	20 18	20 23	12 46	16 12	5 53	
S 10	18 53	0s15	5 0	8 9	3 30	11 20	1 25	7 35	0 51	14 38	0 53	22 32	0 22	22 36	0 3	14 58	1 45	23 41	13 48	20 18	20 22	12 44	16 12	5 52	
S 11	19 7	5 16	4 26	8 30	3 28	11 46	1 23	7 52	0 50	14 42	0 53	22 32	0 22	22 35	0 3	14 58	1 45	23 41	13 48	20 18	20 22	12 42	16 11	5 52	
M12	19 21	9 59	3 38	8 52	3 26	12 12	1 22	8 9	0 50	14 46	0 53	22 31	0 22	22 35	0 3	14 59	1 45	23 41	13 49	20 18	20 21	12 40	16 11	5 51	
T 13	19 35	14 7	2 38	9 16	3 23	12 37	1 20	8 26	0 49	14 51	0 53	22 30	0 23	22 35	0 3	15 0	1 45	23 41	13 49	20 18	20 20	12 38	16 11	5 51	
W14	19 48	17 28	1 30	9 42	3 19	13 2	1 19	8 43	0 49	14 55	0 53	22 29	0 23	22 34	0 3	15 0	1 45	23 41	13 49	20 17	20 20	12 36	16 10	5 50	
T 15	20 0	19 51	0 19	10 9	3 15	13 27	1 17	9 0	0 48	14 59	0 53	22 29	0 23	22 34	0 3	15 1	1 45	23 42	13 50	20 17	20 19	12 34	16 10	5 50	
F 16	20 13	21 9	0n52	10 37	3 10	13 52	1 16	9 16	0 48	15 3	0 53	22 28	0 23	22 34	0 3	15 1	1 45	23 42	13 50	20 17	20 18	12 31	16 10	5 50	
S 17	20 25	21 21	1 59	11 6	3 4	14 16	1 14	9 33	0 47	15 8	0 53	22 27	0 23	22 34	0 3	15 2	1 45	23 42	13 50	20 17	20 18	12 29	16 9	5 49	
S 18	20 37	20 29	2 59	11 37	2 58	14 40	1 12	9 49	0 47	15 12	0 53	22 26	0 23	22 33	0 3	15 3	1 45	23 42	13 51	20 17	20 17	12 27	16 9	5 49	
M19	20 48	18 41	3 51	12 9	2 51	15 3	1 10	10 6	0 46	15 16	0 53	22 25	0 23	22 33	0 3	15 3	1 45	23 43	13 51	20 17	20 16	12 25	16 8	5 48	
T 20	20 59	16 5	4 31	12 42	2 44	15 27	1 9	10 22	0 46	15 20	0 53	22 24	0 23	22 33	0 3	15 4	1 45	23 43	13 51	20 17	20 16	12 23	16 8	5 48	
W21	21 10	12 51	4 59	13 16	2 36	15 49	1 7	10 38	0 45	15 24	0 53	22 24	0 23	22 32	0 3	15 5	1 45	23 43	13 52	20 17	20 15	12 21	16 7	5 48	
T 22	21 20	9 6	5 14	13 50	2 27	16 12	1 5	10 54	0 45	15 28	0 53	22 23	0 23	22 32	0 3	15 5	1 45	23 43	13 52	20 17	20 14	12 19	16 7	5 47	
F 23	21 30	5 0	5 16	14 25	2 18	16 34	1 3	11 10	0 44	15 32	0 53	22 22	0 23	22 32	0 3	15 6	1 45	23 44	13 53	20 17	20 14	12 17	16 6	5 47	
S 24	21 40	0 40	5 4	15 1	2 9	16 56	1 1	11 25	0 43	15 36	0 53	22 21	0 23	22 32	0 3	15 6	1 45	23 44	13 53	20 17	20 13	12 15	16 6	5 47	
S 25	21 49	3n45	4 38	15 37	1 59	17 17	0 59	11 41	0 43	15 40	0 53	22 20	0 23	22 31	0 3	15 7	1 45	23 44	13 53	20 17	20 12	12 12	16 5	5 46	
M26	21 58	8 8	3 59	16 14	1 49	17 38	0 57	11 56	0 42	15 44	0 53	22 19	0 23	22 31	0 3	15 8	1 45	23 45	13 54	20 17	20 12	12 10	16 5	5 46	
T 27	22 7	12 16	3 7	16 51	1 39	17 58	0 55	12 12	0 42	15 48	0 53	22 18	0 23	22 31	0 3	15 8	1 45	23 45	13 54	20 18	20 11	12 8	16 4	5 46	
W28	22 15	15 56	2 4	17 28	1 28	18 18	0 53	12 27	0 41	15 52	0 53	22 17	0 23	22 30	0 3	15 9	1 45	23 45	13 54	20 18	20 10	12 6	16 4	5 45	
T 29	22 22	18 52	0 52	18 4	1 17	18 37	0 51	12 42	0 41	15 56	0 53	22 16	0 24	22 30	0 3	15 9	1 45	23 46	13 55	20 18	20 10	12 4	16 3	5 45	
F 30	22 30	20 46	0s24	18 41	1 6	18 56	0 48	12 57	0 40	16 0	0 53	22 15	0 24	22 30	0 3	15 10	1 45	23 46	13 55	20 18	20 9	12 2	16 2	5 45	
S 31	22n37	21n24	1s41	19n17	0s55	19n15	0s46	13n12	0s39	16n 3	0s53	22n14	0n24	22s29	0s 3	15n10	1s45	23s46	13s55	20s18	20s 8	12s 0	16n 2	5s44	

Julian Day Number = 2109438.5, Delta T = 19m50s
Ecliptic obliquity = 23°33'34, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°41'00, Lahiri = 10°48'01 Julian Calendar 1 May 1063 == Greg. Calendar 7 May 1063

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1063
geocentric

JUNE 1063 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 58 46	15♊ 6'05	3♋20	1♊34	0♊ 2	7♉25	16♉53	21♋30	12°R42	16♉31	1°R56	0°R11	29♏25	13♒59	22♋29	S 1
M 2	17 2 42	16° 3'18	17°57	3°32	1°16	8° 9	17° 6	21°37	12♐40	16°33	1♓56	0♐10	29°22	14° 6	22°35	M 2
T 3	17 6 39	17° 0'31	2♌37	5°33	2°29	8°52	17°19	21°43	12°37	16°35	1°56	0° 7	29°18	14°13	22°41	T 3
W 4	17 10 36	17°57'43	17°13	7°35	3°42	9°35	17°32	21°50	12°35	16°37	1°56	0° 6	29°15	14°20	22°48	W 4
T 5	17 14 32	18°54'54	1♍40	9°40	4°55	10°18	17°45	21°57	12°32	16°39	1°55	0° 4	29°12	14°26	22°54	T 5
F 6	17 18 29	19°52'05	15°54	11°46	6° 9	11° 0	17°58	22° 4	12°30	16°41	1°55	0°D 3	29° 9	14°33	23° 0	F 6
S 7	17 22 25	20°49'16	29°52	13°54	7°22	11°43	18°11	22°11	12°27	16°43	1°55	0° 4	29° 6	14°40	23° 7	S 7
S 8	17 26 22	21°46'26	13♎34	16° 2	8°35	12°26	18°24	22°18	12°25	16°45	1°55	0° 5	29° 3	14°46	23°13	S 8
M 9	17 30 18	22°43'35	27° 0	18°12	9°48	13° 9	18°37	22°25	12°23	16°46	1°54	0° 6	28°59	14°53	23°20	M 9
T 10	17 34 15	23°40'44	10♏12	20°22	11° 2	13°51	18°50	22°32	12°20	16°48	1°54	0° 7	28°56	15° 0	23°26	T 10
W11	17 38 11	24°37'53	23° 9	22°33	12°15	14°34	19° 3	22°39	12°18	16°50	1°54	0° 8	28°53	15° 7	23°33	W11
T 12	17 42 8	25°35'01	5♐53	24°44	13°29	15°16	19°15	22°46	12°15	16°52	1°54	0°R 8	28°50	15°13	23°40	T 12
F 13	17 46 5	26°32'10	18°26	26°54	14°42	15°59	19°28	22°54	12°13	16°54	1°53	0° 7	28°47	15°20	23°46	F 13
S 14	17 50 1	27°29'18	0♑48	29° 4	15°55	16°41	19°41	23° 1	12°11	16°56	1°53	0° 5	28°44	15°27	23°53	S 14
S 15	17 53 58	28°26'27	13° 0	1♋14	17° 9	17°23	19°53	23° 8	12° 8	16°58	1°52	0° 1	28°40	15°33	24° 0	S 15
M16	17 57 54	29°23'35	25° 4	3°22	18°22	18° 6	20° 6	23°15	12° 6	16°59	1°52	29♏56	28°37	15°40	24° 6	M16
T 17	18 1 51	0♋20'44	7♒ 2	5°29	19°36	18°48	20°18	23°23	12° 4	17° 1	1°51	29°51	28°34	15°47	24°13	T 17
W18	18 5 47	1°17'53	18°55	7°35	20°49	19°30	20°30	23°30	12° 2	17° 3	1°51	29°46	28°31	15°54	24°20	W18
T 19	18 9 44	2°15'02	0♓48	9°40	22° 3	20°12	20°42	23°37	11°59	17° 5	1°50	29°42	28°28	16° 0	24°27	T 19
F 20	18 13 40	3°12'11	12°42	11°43	23°16	20°54	20°55	23°45	11°57	17° 6	1°50	29°38	28°24	16° 7	24°34	F 20
S 21	18 17 37	4° 9'22	24°42	13°44	24°30	21°36	21° 7	23°52	11°55	17° 8	1°49	29°36	28°21	16°14	24°41	S 21
S 22	18 21 34	5° 6'32	6♈53	15°44	25°43	22°17	21°19	24° 0	11°53	17°10	1°49	29°D36	28°18	16°21	24°47	S 22
M23	18 25 30	6° 3'43	19°20	17°42	26°57	22°59	21°31	24° 7	11°51	17°11	1°48	29°37	28°15	16°27	24°54	M23
T 24	18 29 27	7° 0'55	2♉ 5	19°38	28°10	23°41	21°42	24°15	11°48	17°13	1°48	29°38	28°12	16°34	25° 1	T 24
W25	18 33 23	7°58'07	15°15	21°32	29°24	24°22	21°54	24°22	11°46	17°14	1°47	29°39	28° 9	16°41	25° 8	W25
T 26	18 37 20	8°55'20	28°50	23°25	0♋38	25° 4	22° 6	24°30	11°44	17°16	1°46	29°R40	28° 5	16°47	25°15	T 26
F 27	18 41 16	9°52'34	12♊52	25°16	1°51	25°46	22°18	24°37	11°42	17°17	1°46	29°39	28° 2	16°54	25°22	F 27
S 28	18 45 13	10°49'48	27°19	27° 5	3° 5	26°27	22°29	24°45	11°40	17°19	1°45	29°37	27°59	17° 1	25°30	S 28
S 29	18 49 10	11°47'03	12♋ 7	28°52	4°19	27° 8	22°41	24°52	11°38	17°20	1°44	29°33	27°56	17° 8	25°37	S 29
M30	18 53 6	12♋44'19	27♋ 7	0♌37	5♋32	27♉49	22♉52	25♋ 0	11♐36	17♉22	1♓44	29♏27	27♏53	17♒14	25♋44	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n43	20n38	2s53	19n52	0s44	19n33	0s44	13n27	0s39	16n 7	0s53	22n13	0n24	22s29	0s 3	15n11	1s45	23s47	13s56	20s18	20s 8	11s58	16n 1	5s44
M 2	22 49	18 29	3 54	20 26	0 32	19 50	0 42	13 41	0 38	16 11	0 53	22 12	0 24	22 29	0 3	15 11	1 45	23 47	13 56	20 17	20 7	11 55	16 0	5 44
T 3	22 55	15 8	4 40	21 0	0 21	20 7	0 39	13 56	0 38	16 15	0 53	22 11	0 24	22 28	0 3	15 12	1 45	23 47	13 57	20 17	20 6	11 53	15 59	5 43
W 4	23 1	10 52	5 7	21 32	0 10	20 23	0 37	14 10	0 37	16 18	0 53	22 10	0 24	22 28	0 3	15 13	1 45	23 48	13 57	20 16	20 5	11 51	15 59	5 43
T 5	23 6	6 2	5 15	22 2	0n 2	20 39	0 35	14 24	0 36	16 22	0 53	22 9	0 24	22 28	0 3	15 13	1 45	23 48	13 57	20 16	20 5	11 49	15 58	5 43
F 6	23 10	0 56	5 3	22 31	0 12	20 54	0 32	14 38	0 36	16 26	0 53	22 8	0 24	22 28	0 3	15 14	1 45	23 49	13 58	20 16	20 4	11 47	15 57	5 43
S 7	23 14	4s 8	4 34	22 58	0 23	21 9	0 30	14 52	0 35	16 29	0 53	22 7	0 24	22 27	0 3	15 14	1 45	23 49	13 58	20 16	20 3	11 45	15 56	5 42
S 8	23 18	8 53	3 49	23 22	0 33	21 23	0 28	15 6	0 35	16 33	0 53	22 6	0 24	22 27	0 3	15 15	1 45	23 49	13 58	20 16	20 3	11 43	15 56	5 42
M 9	23 21	13 8	2 52	23 45	0 43	21 37	0 25	15 19	0 34	16 36	0 53	22 5	0 24	22 27	0 3	15 15	1 45	23 50	13 59	20 16	20 2	11 41	15 55	5 42
T 10	23 24	16 39	1 48	24 5	0 52	21 50	0 23	15 33	0 33	16 40	0 53	22 4	0 24	22 26	0 3	15 16	1 45	23 50	13 59	20 17	20 1	11 38	15 54	5 42
W11	23 27	19 16	0 38	24 22	1 1	22 2	0 21	15 46	0 33	16 43	0 53	22 3	0 24	22 26	0 3	15 16	1 45	23 51	13 59	20 17	20 1	11 36	15 53	5 41
T 12	23 29	20 53	0n32	24 36	1 9	22 14	0 18	15 59	0 32	16 47	0 53	22 2	0 24	22 26	0 3	15 17	1 45	23 51	14 0	20 17	20 0	11 34	15 52	5 41
F 13	23 31	21 25	1 39	24 48	1 17	22 25	0 16	16 12	0 31	16 50	0 53	22 0	0 25	22 25	0 3	15 17	1 45	23 52	14 0	20 17	19 59	11 32	15 51	5 41
S 14	23 32	20 53	2 40	24 57	1 23	22 35	0 13	16 25	0 31	16 54	0 53	21 59	0 25	22 25	0 3	15 18	1 45	23 52	14 0	20 16	19 59	11 30	15 50	5 41
S 15	23 33	19 23	3 33	25 3	1 29	22 45	0 11	16 38	0 30	16 57	0 53	21 58	0 25	22 25	0 3	15 18	1 45	23 53	14 1	20 15	19 58	11 28	15 50	5 41
M16	23 33	17 1	4 16	25 6	1 35	22 54	0 8	16 50	0 29	17 0	0 53	21 57	0 25	22 25	0 3	15 19	1 45	23 53	14 1	20 14	19 57	11 26	15 49	5 40
T 17	23 34	13 58	4 48	25 6	1 39	23 3	0 6	17 2	0 29	17 4	0 53	21 56	0 25	22 24	0 3	15 19	1 45	23 54	14 1	20 13	19 56	11 23	15 48	5 40
W18	23 33	10 22	5 6	25 4	1 43	23 11	0 4	17 15	0 28	17 7	0 53	21 55	0 25	22 24	0 3	15 20	1 45	23 54	14 2	20 12	19 56	11 21	15 47	5 40
T 19	23 32	6 23	5 12	24 59	1 47	23 18	0 1	17 27	0 27	17 10	0 53	21 53	0 25	22 24	0 3	15 20	1 45	23 55	14 2	20 11	19 55	11 19	15 46	5 40
F 20	23 31	2 9	5 4	24 51	1 49	23 25	0n 1	17 38	0 27	17 13	0 53	21 52	0 25	22 23	0 3	15 20	1 45	23 55	14 2	20 10	19 54	11 17	15 45	5 40
S 21	23 30	2n12	4 42	24 41	1 51	23 30	0 4	17 50	0 26	17 17	0 53	21 51	0 25	22 23	0 3	15 21	1 46	23 56	14 3	20 10	19 54	11 15	15 44	5 39
S 22	23 28	6 33	4 8	24 29	1 52	23 36	0 6	18 2	0 25	17 20	0 53	21 50	0 25	22 23	0 3	15 21	1 46	23 56	14 3	20 10	19 53	11 13	15 43	5 39
M23	23 25	10 43	3 22	24 14	1 52	23 40	0 9	18 13	0 25	17 23	0 53	21 49	0 25	22 23	0 3	15 22	1 46	23 57	14 3	20 10	19 52	11 11	15 42	5 39
T 24	23 22	14 31	2 24	23 57	1 52	23 44	0 11	18 24	0 24	17 26	0 53	21 47	0 25	22 22	0 3	15 22	1 46	23 57	14 4	20 10	19 51	11 8	15 40	5 39
W25	23 19	17 44	1 18	23 39	1 51	23 47	0 13	18 35	0 23	17 29	0 53	21 46	0 25	22 22	0 3	15 23	1 46	23 58	14 4	20 11	19 51	11 6	15 39	5 39
T 26	23 15	20 4	0 5	23 19	1 49	23 49	0 16	18 46	0 22	17 32	0 53	21 45	0 25	22 22	0 3	15 23	1 46	23 58	14 4	20 11	19 50	11 4	15 38	5 39
F 27	23 11	21 17	1s11	22 57	1 47	23 51	0 18	18 57	0 22	17 35	0 53	21 44	0 26	22 21	0 3	15 23	1 46	23 59	14 5	20 11	19 49	11 2	15 37	5 39
S 28	23 7	21 8	2 24	22 33	1 44	23 52	0 20	19 7	0 21	17 38	0 53	21 42	0 26	22 21	0 3	15 24	1 46	23 59	14 5	20 10	19 49	11 0	15 36	5 39
S 29	23 2	19 32	3 29	22 8	1 41	23 52	0 23	19 17	0 20	17 41	0 53	21 41	0 26	22 21	0 3	15 24	1 46	24 0	14 5	20 9	19 48	10 58	15 35	5 38
M30	22n57	16n34	4s21	21n42	1n37	23n52	0n25	19n27	0s20	17n43	0s53	21n40	0n26	22s21	0s 3	15n24	1s46	24s 0	14s 5	20s 8	19s47	10s55	15n34	5s38

Julian Day Number = 2109469.5, Delta T = 19m50s
Ecliptic obliquity = 23°33'33, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°41'05, Lahiri = 10°48'05 Julian Calendar 1 June 1063 == Greg. Calendar 7 June 1063

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1063
geocentric

JULY 1063 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 57 3	13♋41'34	12♌11	2♌20	6♋46	28♉31	23♉ 3	25♋ 8	11°R34	17♉23	1°R43	29°R21	27♏50	17♒21	25♋51	T 1
W 2	19 0 59	14°38'50	27° 9	4° 2	8° 0	29°12	23°15	25°15	11♐32	17°25	1♓42	29♏14	27°46	17°28	25°58	W 2
T 3	19 4 56	15°36'07	11♍53	5°41	9°14	29°53	23°26	25°23	11°30	17°26	1°41	29° 9	27°43	17°34	26° 5	T 3
F 4	19 8 52	16°33'24	26°17	7°19	10°27	0♊34	23°37	25°31	11°28	17°28	1°40	29° 5	27°40	17°41	26°12	F 4
S 5	19 12 49	17°30'41	10♎19	8°55	11°41	1°15	23°48	25°38	11°27	17°29	1°40	29° 4	27°37	17°48	26°20	S 5
S 6	19 16 45	18°27'58	23°57	10°30	12°55	1°55	23°58	25°46	11°25	17°30	1°39	29°D 4	27°34	17°55	26°27	S 6
M 7	19 20 42	19°25'16	7♏13	12° 2	14° 9	2°36	24° 9	25°54	11°23	17°31	1°38	29° 4	27°30	18° 1	26°34	M 7
T 8	19 24 39	20°22'35	20°10	13°32	15°23	3°17	24°20	26° 1	11°21	17°33	1°37	29° 5	27°27	18° 8	26°41	T 8
W 9	19 28 35	21°19'54	2♐51	15° 1	16°36	3°57	24°30	26° 9	11°20	17°34	1°36	29°R 6	27°24	18°15	26°48	W 9
T 10	19 32 32	22°17'14	15°19	16°28	17°50	4°38	24°41	26°17	11°18	17°35	1°35	29° 4	27°21	18°22	26°56	T 10
F 11	19 36 28	23°14'34	27°36	17°53	19° 4	5°18	24°51	26°24	11°16	17°36	1°34	29° 1	27°18	18°28	27° 3	F 11
S 12	19 40 25	24°11'55	9♑45	19°16	20°18	5°59	25° 1	26°32	11°15	17°37	1°33	28°55	27°15	18°35	27°10	S 12
S 13	19 44 21	25° 9'18	21°48	20°37	21°32	6°39	25°11	26°40	11°13	17°38	1°33	28°47	27°11	18°42	27°17	S 13
M14	19 48 18	26° 6'40	3♒45	21°56	22°46	7°19	25°22	26°48	11°12	17°40	1°32	28°37	27° 8	18°48	27°25	M14
T 15	19 52 14	27° 4'04	15°40	23°13	24° 0	7°59	25°31	26°55	11°10	17°41	1°31	28°26	27° 5	18°55	27°32	T 15
W16	19 56 11	28° 1'29	27°32	24°28	25°14	8°39	25°41	27° 3	11° 9	17°42	1°30	28°15	27° 2	19° 2	27°39	W16
T 17	20 0 8	28°58'55	9♓24	25°40	26°28	9°19	25°51	27°11	11° 7	17°43	1°29	28° 5	26°59	19° 9	27°46	T 17
F 18	20 4 4	29°56'23	21°19	26°51	27°42	9°59	26° 1	27°18	11° 6	17°44	1°28	27°57	26°56	19°15	27°54	F 18
S 19	20 8 1	0♌53'51	3♈19	27°59	28°56	10°39	26°10	27°26	11° 5	17°45	1°27	27°51	26°52	19°22	28° 1	S 19
S 20	20 11 57	1°51'21	15°29	29° 5	0♌10	11°19	26°19	27°34	11° 3	17°45	1°25	27°47	26°49	19°29	28° 8	S 20
M21	20 15 54	2°48'53	27°52	0♍ 8	1°24	11°58	26°29	27°42	11° 2	17°46	1°24	27°D46	26°46	19°35	28°16	M21
T 22	20 19 50	3°46'25	10♉34	1° 8	2°39	12°38	26°38	27°49	11° 1	17°47	1°23	27°46	26°43	19°42	28°23	T 22
W23	20 23 47	4°44'00	23°38	2° 6	3°53	13°17	26°47	27°57	11° 0	17°48	1°22	27°R46	26°40	19°49	28°30	W23
T 24	20 27 43	5°41'36	7♊ 8	3° 1	5° 7	13°57	26°56	28° 5	10°59	17°49	1°21	27°46	26°36	19°56	28°37	T 24
F 25	20 31 40	6°39'13	21° 8	3°53	6°21	14°36	27° 4	28°12	10°58	17°49	1°20	27°44	26°33	20° 2	28°45	F 25
S 26	20 35 37	7°36'52	5♋35	4°42	7°35	15°15	27°13	28°20	10°57	17°50	1°19	27°40	26°30	20° 9	28°52	S 26
S 27	20 39 33	8°34'33	20°28	5°28	8°49	15°55	27°21	28°28	10°56	17°51	1°18	27°33	26°27	20°16	28°59	S 27
M28	20 43 30	9°32'15	5♌39	6°10	10° 4	16°34	27°30	28°35	10°55	17°51	1°17	27°24	26°24	20°23	29° 6	M28
T 29	20 47 26	10°29'58	20°57	6°48	11°18	17°13	27°38	28°43	10°54	17°52	1°16	27°14	26°21	20°29	29°14	T 29
W30	20 51 23	11°27'42	6♍11	7°23	12°32	17°52	27°46	28°51	10°53	17°53	1°14	27° 4	26°17	20°36	29°21	W30
T 31	20 55 19	12♌25'28	21♍11	7♍53	13♌46	18♊30	27♉54	28♋58	10♐53	17♉53	1♓13	26♏55	26♏14	20♒43	29♋28	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n51	12n31	4s55	21n14	1n33	23n50	0n27	19n37	0s19	17n46	0s53	21n38	0n26	22s20	0s 3	15n25	1s46	24s 1	14s 6	20s 7	19s46	10s53	15n32	5s38
W 2	22 45	7 42	5 8	20 46	1 28	23 48	0 29	19 47	0 18	17 49	0 53	21 37	0 26	22 20	0 3	15 25	1 46	24 1	14 6	20 5	19 46	10 51	15 31	5 38
T 3	22 38	2 30	5 1	20 16	1 22	23 46	0 32	19 57	0 17	17 52	0 53	21 36	0 26	22 20	0 3	15 25	1 46	24 2	14 6	20 4	19 45	10 49	15 30	5 38
F 4	22 32	2s43	4 34	19 46	1 17	23 42	0 34	20 6	0 17	17 55	0 53	21 34	0 26	22 20	0 3	15 26	1 46	24 2	14 7	20 3	19 44	10 47	15 29	5 38
S 5	22 24	7 39	3 52	19 15	1 10	23 38	0 36	20 15	0 16	17 57	0 53	21 33	0 26	22 19	0 3	15 26	1 46	24 3	14 7	20 3	19 44	10 45	15 28	5 38
S 6	22 17	12 5	2 58	18 43	1 4	23 34	0 38	20 24	0 15	18 0	0 53	21 32	0 26	22 19	0 3	15 26	1 46	24 4	14 7	20 3	19 43	10 42	15 26	5 38
M 7	22 9	15 48	1 55	18 11	0 57	23 28	0 40	20 33	0 14	18 2	0 53	21 30	0 26	22 19	0 3	15 27	1 46	24 4	14 7	20 3	19 42	10 40	15 25	5 38
T 8	22 0	18 39	0 48	17 38	0 49	23 22	0 42	20 42	0 14	18 5	0 53	21 29	0 26	22 19	0 3	15 27	1 46	24 5	14 8	20 3	19 41	10 38	15 24	5 38
W 9	21 51	20 30	0n20	17 4	0 41	23 15	0 44	20 50	0 13	18 8	0 54	21 28	0 26	22 18	0 3	15 27	1 46	24 5	14 8	20 3	19 41	10 36	15 22	5 38
T 10	21 42	21 19	1 26	16 31	0 33	23 8	0 46	20 58	0 12	18 10	0 54	21 26	0 27	22 18	0 3	15 28	1 46	24 6	14 8	20 3	19 40	10 34	15 21	5 38
F 11	21 33	21 6	2 27	15 57	0 25	23 0	0 48	21 6	0 11	18 13	0 54	21 25	0 27	22 18	0 3	15 28	1 46	24 6	14 8	20 2	19 39	10 32	15 20	5 38
S 12	21 23	19 53	3 20	15 23	0 16	22 51	0 50	21 14	0 11	18 15	0 54	21 23	0 27	22 18	0 3	15 28	1 47	24 7	14 9	20 1	19 38	10 29	15 18	5 38
S 13	21 13	17 47	4 4	14 48	0 7	22 41	0 52	21 22	0 10	18 17	0 54	21 22	0 27	22 18	0 3	15 28	1 47	24 8	14 9	19 59	19 38	10 27	15 17	5 38
M14	21 2	14 56	4 36	14 14	0s 2	22 31	0 54	21 30	0 9	18 20	0 54	21 21	0 27	22 17	0 3	15 29	1 47	24 8	14 9	19 57	19 37	10 25	15 16	5 38
T 15	20 51	11 30	4 56	13 40	0 12	22 20	0 56	21 37	0 8	18 22	0 54	21 19	0 27	22 17	0 3	15 29	1 47	24 9	14 9	19 55	19 36	10 23	15 14	5 38
W16	20 40	7 38	5 4	13 6	0 21	22 8	0 58	21 44	0 7	18 24	0 54	21 18	0 27	22 17	0 3	15 29	1 47	24 9	14 10	19 52	19 36	10 21	15 13	5 38
T 17	20 28	3 29	4 58	12 32	0 31	21 56	0 59	21 51	0 7	18 27	0 54	21 16	0 27	22 17	0 3	15 29	1 47	24 10	14 10	19 50	19 35	10 19	15 11	5 38
F 18	20 16	0n49	4 39	11 58	0 42	21 43	1 1	21 58	0 6	18 29	0 54	21 15	0 27	22 17	0 4	15 30	1 47	24 10	14 10	19 48	19 34	10 16	15 10	5 38
S 19	20 3	5 7	4 8	11 25	0 52	21 30	1 3	22 4	0 5	18 31	0 54	21 13	0 27	22 16	0 4	15 30	1 47	24 11	14 10	19 47	19 33	10 14	15 9	5 38
S 20	19 51	9 17	3 25	10 52	1 3	21 16	1 4	22 11	0 4	18 33	0 54	21 12	0 27	22 16	0 4	15 30	1 47	24 12	14 10	19 46	19 33	10 12	15 7	5 38
M21	19 38	13 8	2 32	10 20	1 13	21 1	1 6	22 17	0 3	18 35	0 54	21 11	0 27	22 16	0 4	15 30	1 47	24 12	14 11	19 46	19 32	10 10	15 6	5 38
T 22	19 24	16 30	1 30	9 49	1 24	20 45	1 7	22 23	0 3	18 37	0 54	21 9	0 28	22 16	0 4	15 30	1 47	24 13	14 11	19 46	19 31	10 8	15 4	5 38
W23	19 11	19 8	0 22	9 18	1 35	20 29	1 9	22 29	0 2	18 39	0 54	21 8	0 28	22 16	0 4	15 31	1 47	24 13	14 11	19 46	19 30	10 6	15 3	5 38
T 24	18 57	20 48	0s50	8 48	1 46	20 13	1 10	22 34	0 1	18 41	0 54	21 6	0 28	22 16	0 4	15 31	1 47	24 14	14 11	19 46	19 30	10 3	15 1	5 38
F 25	18 42	21 15	2 1	8 18	1 57	19 56	1 11	22 40	0 0	18 43	0 54	21 5	0 28	22 16	0 4	15 31	1 47	24 14	14 11	19 45	19 29	10 1	15 0	5 38
S 26	18 27	20 20	3 6	7 50	2 9	19 38	1 12	22 45	0n 1	18 45	0 54	21 3	0 28	22 15	0 4	15 31	1 47	24 15	14 12	19 44	19 28	9 59	14 58	5 38
S 27	18 12	18 1	4 1	7 23	2 20	19 20	1 14	22 50	0 2	18 47	0 55	21 2	0 28	22 15	0 4	15 31	1 47	24 16	14 12	19 43	19 27	9 57	14 57	5 38
M28	17 57	14 25	4 40	6 58	2 31	19 1	1 15	22 55	0 2	18 49	0 55	21 0	0 28	22 15	0 4	15 31	1 47	24 16	14 12	19 41	19 27	9 55	14 55	5 39
T 29	17 42	9 51	5 0	6 33	2 42	18 41	1 16	23 0	0 3	18 51	0 55	20 59	0 28	22 15	0 4	15 31	1 47	24 17	14 12	19 38	19 26	9 53	14 53	5 39
W30	17 26	4 40	4 58	6 10	2 53	18 21	1 17	23 4	0 4	18 52	0 55	20 57	0 28	22 15	0 4	15 32	1 47	24 17	14 12	19 36	19 25	9 50	14 52	5 39
T 31	17n10	0s42	4s35	5n49	3s 3	18n 1	1n18	23n 9	0n 5	18n54	0s55	20n56	0n28	22s15	0s 4	15n32	1s48	24s18	14s12	19s34	19s24	9s48	14n50	5s39

Julian Day Number = 2109499.5, Delta T = 19m49s
Ecliptic obliquity = 23°33'33, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°41'09, Lahiri = 10°48'09 Julian Calendar 1 July 1063 == Greg. Calendar 7 July 1063

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1063
geocentric

AUGUST 1063 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 59 16	13♌23'15	5♎49	8♍19	15♌ 1	19♊ 9	28♉ 2	29♋ 6	10°R52	17♉54	1°R12	26°R48	26♏11	20♒49	29♋35	F 1
S 2	21 3 12	14°21'03	20° 0	8°40	16°15	19°48	28° 9	29°13	10♐51	17°54	1♓11	26♏44	26° 8	20°56	29°42	S 2
S 3	21 7 9	15°18'52	3♏42	8°57	17°29	20°26	28°17	29°21	10°51	17°55	1°10	26°42	26° 5	21° 3	29°49	S 3
M 4	21 11 6	16°16'43	16°58	9° 8	18°44	21° 5	28°24	29°28	10°50	17°55	1° 8	26°D42	26° 2	21°10	29°57	M 4
T 5	21 15 2	17°14'35	29°50	9°14	19°58	21°43	28°32	29°36	10°49	17°56	1° 7	26°R42	25°58	21°16	0♌ 4	T 5
W 6	21 18 59	18°12'28	12♐24	9°R14	21°12	22°21	28°39	29°43	10°49	17°56	1° 6	26°41	25°55	21°23	0°11	W 6
T 7	21 22 55	19°10'23	24°42	9° 9	22°27	23° 0	28°46	29°51	10°49	17°56	1° 5	26°39	25°52	21°30	0°18	T 7
F 8	21 26 52	20° 8'19	6♑50	8°57	23°41	23°38	28°52	29°58	10°48	17°56	1° 4	26°34	25°49	21°37	0°25	F 8
S 9	21 30 48	21° 6'16	18°51	8°40	24°56	24°16	28°59	0♌ 6	10°48	17°57	1° 2	26°26	25°46	21°43	0°32	S 9
S 10	21 34 45	22° 4'15	0♒46	8°17	26°10	24°54	29° 6	0°13	10°48	17°57	1° 1	26°15	25°42	21°50	0°39	S 10
M11	21 38 41	23° 2'15	12°40	7°47	27°24	25°31	29°12	0°20	10°47	17°57	1° 0	26° 2	25°39	21°57	0°46	M11
T 12	21 42 38	24° 0'17	24°32	7°11	28°39	26° 9	29°18	0°28	10°47	17°57	0°59	25°48	25°36	22° 3	0°53	T 12
W13	21 46 35	24°58'21	6♓26	6°30	29°53	26°47	29°24	0°35	10°47	17°57	0°57	25°34	25°33	22°10	1° 0	W13
T 14	21 50 31	25°56'26	18°21	5°44	1♍ 8	27°24	29°30	0°42	10°47	17°57	0°56	25°21	25°30	22°17	1° 7	T 14
F 15	21 54 28	26°54'33	0♈20	4°54	2°22	28° 2	29°36	0°49	10°D47	17°58	0°55	25°10	25°27	22°24	1°14	F 15
S 16	21 58 24	27°52'42	12°24	3°59	3°37	28°39	29°41	0°57	10°47	17°R58	0°54	25° 2	25°23	22°30	1°21	S 16
S 17	22 2 21	28°50'53	24°37	3° 2	4°51	29°16	29°47	1° 4	10°47	17°58	0°52	24°56	25°20	22°37	1°27	S 17
M18	22 6 17	29°49'07	7♉ 2	2° 3	6° 6	29°53	29°52	1°11	10°47	17°58	0°51	24°54	25°17	22°44	1°34	M18
T 19	22 10 14	0♍47'22	19°42	1° 4	7°20	0♋31	29°57	1°18	10°47	17°57	0°50	24°53	25°14	22°50	1°41	T 19
W20	22 14 10	1°45'39	2♊42	0° 5	8°35	1° 7	0♊ 2	1°25	10°48	17°57	0°49	24°53	25°11	22°57	1°48	W20
T 21	22 18 7	2°43'59	16° 6	29♌ 9	9°49	1°44	0° 6	1°32	10°48	17°57	0°47	24°52	25° 7	23° 4	1°54	T 21
F 22	22 22 3	3°42'21	29°56	28°16	11° 4	2°21	0°11	1°39	10°48	17°57	0°46	24°50	25° 4	23°11	2° 1	F 22
S 23	22 26 0	4°40'45	14♋14	27°28	12°19	2°58	0°15	1°46	10°49	17°57	0°45	24°46	25° 1	23°17	2° 8	S 23
S 24	22 29 57	5°39'11	28°58	26°46	13°33	3°34	0°19	1°53	10°49	17°57	0°44	24°39	24°58	23°24	2°14	S 24
M25	22 33 53	6°37'39	14♌ 2	26°11	14°48	4°11	0°23	2° 0	10°50	17°56	0°42	24°30	24°55	23°31	2°21	M25
T 26	22 37 50	7°36'09	29°18	25°44	16° 2	4°47	0°27	2° 6	10°50	17°56	0°41	24°19	24°52	23°38	2°27	T 26
W27	22 41 46	8°34'41	14♍35	25°26	17°17	5°23	0°31	2°13	10°51	17°56	0°40	24° 9	24°48	23°44	2°34	W27
T 28	22 45 43	9°33'15	29°41	25°D16	18°32	5°59	0°34	2°20	10°51	17°55	0°39	23°59	24°45	23°51	2°40	T 28
F 29	22 49 39	10°31'51	14♎27	25°16	19°46	6°35	0°37	2°26	10°52	17°55	0°37	23°52	24°42	23°58	2°47	F 29
S 30	22 53 36	11°30'29	28°46	25°26	21° 1	7°11	0°40	2°33	10°53	17°54	0°36	23°47	24°39	24° 4	2°53	S 30
S 31	22 57 32	12♍29'08	12♏36	25♌46	22♍15	7♋47	0♊43	2♌40	10♐54	17♉54	0♓35	23♏45	24♏36	24♒11	2♌59	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n53	5s55	3s55	5n30	3s14	17n40	1n19	23n13	0n 6	18n56	0s55	20n54	0n29	22s15	0s 4	15n32	1s48	24s19	14s12	19s32	19s24	9s46	14n49	5s39
S 2	16 36	10 39	3 1	5 13	3 24	17 19	1 20	23 17	0 7	18 57	0 55	20 53	0 29	22 15	0 4	15 32	1 48	24 19	14 13	19 31	19 23	9 44	14 47	5 39
S 3	16 19	14 40	1 59	4 57	3 34	16 57	1 20	23 20	0 8	18 59	0 55	20 51	0 29	22 15	0 4	15 32	1 48	24 20	14 13	19 31	19 22	9 42	14 46	5 39
M 4	16 2	17 48	0 51	4 45	3 43	16 34	1 21	23 24	0 9	19 1	0 55	20 50	0 29	22 14	0 4	15 32	1 48	24 20	14 13	19 31	19 21	9 39	14 44	5 39
T 5	15 45	19 57	0n17	4 34	3 52	16 11	1 22	23 27	0 9	19 2	0 55	20 49	0 29	22 14	0 4	15 32	1 48	24 21	14 13	19 31	19 21	9 37	14 42	5 40
W 6	15 27	21 2	1 22	4 27	4 0	15 48	1 22	23 31	0 10	19 4	0 55	20 47	0 29	22 14	0 4	15 32	1 48	24 21	14 13	19 31	19 20	9 35	14 41	5 40
T 7	15 9	21 5	2 22	4 22	4 7	15 24	1 23	23 34	0 11	19 5	0 55	20 46	0 29	22 14	0 4	15 32	1 48	24 22	14 13	19 30	19 19	9 33	14 39	5 40
F 8	14 51	20 8	3 15	4 20	4 13	15 0	1 23	23 36	0 12	19 6	0 55	20 44	0 29	22 14	0 4	15 32	1 48	24 22	14 13	19 29	19 18	9 31	14 37	5 40
S 9	14 32	18 18	3 58	4 22	4 19	14 36	1 24	23 39	0 13	19 8	0 55	20 43	0 29	22 14	0 4	15 32	1 48	24 23	14 13	19 27	19 18	9 28	14 36	5 40
S 10	14 13	15 41	4 31	4 27	4 23	14 11	1 24	23 41	0 14	19 9	0 56	20 41	0 29	22 14	0 4	15 32	1 48	24 23	14 14	19 25	19 17	9 26	14 34	5 41
M11	13 54	12 26	4 51	4 35	4 26	13 45	1 25	23 44	0 15	19 10	0 56	20 40	0 30	22 14	0 4	15 32	1 48	24 24	14 14	19 22	19 16	9 24	14 32	5 41
T 12	13 35	8 42	4 59	4 47	4 27	13 20	1 25	23 46	0 16	19 12	0 56	20 38	0 30	22 14	0 4	15 32	1 48	24 25	14 14	19 18	19 15	9 22	14 31	5 41
W13	13 16	4 38	4 54	5 2	4 27	12 53	1 25	23 48	0 17	19 13	0 56	20 37	0 30	22 14	0 4	15 32	1 48	24 25	14 14	19 15	19 15	9 20	14 29	5 41
T 14	12 56	0 24	4 36	5 21	4 25	12 27	1 25	23 50	0 18	19 14	0 56	20 35	0 30	22 14	0 4	15 32	1 48	24 26	14 14	19 12	19 14	9 18	14 27	5 41
F 15	12 36	3n53	4 6	5 43	4 21	12 0	1 25	23 51	0 18	19 15	0 56	20 34	0 30	22 14	0 4	15 32	1 48	24 26	14 14	19 9	19 13	9 15	14 26	5 42
S 16	12 16	8 3	3 24	6 8	4 16	11 33	1 25	23 53	0 19	19 16	0 56	20 32	0 30	22 14	0 4	15 32	1 48	24 27	14 14	19 7	19 12	9 13	14 24	5 42
S 17	11 56	11 57	2 33	6 35	4 8	11 6	1 25	23 54	0 20	19 17	0 56	20 31	0 30	22 14	0 4	15 32	1 49	24 27	14 14	19 6	19 12	9 11	14 22	5 42
M18	11 36	15 23	1 33	7 5	3 58	10 38	1 25	23 55	0 21	19 18	0 56	20 29	0 30	22 14	0 4	15 32	1 49	24 28	14 14	19 5	19 11	9 9	14 20	5 42
T 19	11 15	18 11	0 27	7 37	3 47	10 10	1 25	23 56	0 22	19 19	0 56	20 28	0 30	22 14	0 4	15 32	1 49	24 28	14 14	19 5	19 10	9 7	14 19	5 43
W20	10 54	20 8	0s41	8 10	3 33	9 42	1 24	23 56	0 23	19 20	0 56	20 26	0 31	22 14	0 4	15 32	1 49	24 29	14 14	19 5	19 9	9 4	14 17	5 43
T 21	10 33	21 1	1 50	8 44	3 18	9 13	1 24	23 57	0 24	19 21	0 56	20 25	0 31	22 14	0 4	15 32	1 49	24 29	14 14	19 5	19 9	9 2	14 15	5 43
F 22	10 12	20 40	2 54	9 17	3 2	8 44	1 23	23 57	0 25	19 22	0 57	20 24	0 31	22 14	0 4	15 31	1 49	24 30	14 14	19 4	19 8	9 0	14 14	5 44
S 23	9 51	18 59	3 50	9 50	2 45	8 15	1 23	23 58	0 26	19 23	0 57	20 22	0 31	22 14	0 4	15 31	1 49	24 30	14 14	19 3	19 7	8 58	14 12	5 44
S 24	9 29	16 2	4 32	10 22	2 26	7 46	1 22	23 58	0 27	19 24	0 57	20 21	0 31	22 14	0 4	15 31	1 49	24 31	14 14	19 2	19 6	8 56	14 10	5 44
M25	9 7	11 58	4 56	10 52	2 7	7 16	1 22	23 58	0 28	19 25	0 57	20 19	0 31	22 15	0 4	15 31	1 49	24 31	14 14	18 59	19 5	8 53	14 8	5 45
T 26	8 46	7 5	5 0	11 19	1 48	6 47	1 21	23 57	0 29	19 25	0 57	20 18	0 31	22 15	0 4	15 31	1 49	24 31	14 14	18 57	19 5	8 51	14 7	5 45
W27	8 24	1 46	4 42	11 44	1 28	6 17	1 20	23 57	0 30	19 26	0 57	20 16	0 31	22 15	0 4	15 31	1 49	24 32	14 14	18 54	19 4	8 49	14 5	5 45
T 28	8 2	3s37	4 5	12 5	1 9	5 47	1 20	23 56	0 31	19 27	0 57	20 15	0 31	22 15	0 4	15 31	1 49	24 32	14 14	18 52	19 3	8 47	14 3	5 46
F 29	7 39	8 40	3 12	12 23	0 50	5 17	1 19	23 56	0 32	19 27	0 57	20 14	0 32	22 15	0 4	15 30	1 49	24 33	14 14	18 50	19 2	8 45	14 1	5 46
S 30	7 17	13 5	2 8	12 37	0 31	4 46	1 18	23 55	0 33	19 28	0 57	20 12	0 32	22 15	0 4	15 30	1 49	24 33	14 14	18 49	19 2	8 42	14 0	5 46
S 31	6n55	16s38	0s59	12n47	0s14	4n16	1n17	23n54	0n34	19n28	0s57	20n11	0n32	22s15	0s 4	15n30	1s49	24s34	14s14	18s48	19s 1	8s40	13n58	5s47

Julian Day Number = 2109530.5, Delta T = 19m49s
Ecliptic obliquity = 23°33'33, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°41'13, Lahiri = 10°48'13 Julian Calendar 1 Aug. 1063 == Greg. Calendar 7 Aug. 1063

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1063
geocentric

SEPTEMBER 1063 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 1 29	13♍27'49	25♏58	26♌14	23♍30	8♋23	0♊46	2♌46	10♐55	17°R53	0°R34	23°D45	24♏33	24♒18	3♌ 5	M 1
T 2	23 5 26	14°26'32	8♐53	26°52	24°45	8°58	0°48	2°53	10°56	17♉53	0♓33	23°R45	24°29	24°25	3°12	T 2
W 3	23 9 22	15°25'17	21°27	27°38	25°59	9°33	0°51	2°59	10°56	17°52	0°31	23♏45	24°26	24°31	3°18	W 3
T 4	23 13 19	16°24'03	3♑43	28°33	27°14	10° 9	0°53	3° 5	10°57	17°52	0°30	23°43	24°23	24°38	3°24	T 4
F 5	23 17 15	17°22'52	15°48	29°35	28°29	10°44	0°55	3°12	10°59	17°51	0°29	23°40	24°20	24°45	3°30	F 5
S 6	23 21 12	18°21'42	27°45	0♍44	29°43	11°19	0°56	3°18	11° 0	17°50	0°28	23°33	24°17	24°52	3°36	S 6
S 7	23 25 8	19°20'34	9♒38	1°59	0♎58	11°54	0°58	3°24	11° 1	17°50	0°27	23°25	24°13	24°58	3°42	S 7
M 8	23 29 5	20°19'27	21°29	3°19	2°13	12°28	0°59	3°30	11° 2	17°49	0°25	23°14	24°10	25° 5	3°48	M 8
T 9	23 33 1	21°18'23	3♓23	4°45	3°27	13° 3	1° 0	3°36	11° 3	17°48	0°24	23° 2	24° 7	25°12	3°54	T 9
W10	23 36 58	22°17'20	15°20	6°14	4°42	13°38	1° 1	3°42	11° 5	17°48	0°23	22°50	24° 4	25°18	3°59	W10
T 11	23 40 55	23°16'20	27°22	7°48	5°56	14°12	1° 2	3°48	11° 6	17°47	0°22	22°40	24° 1	25°25	4° 5	T 11
F 12	23 44 51	24°15'22	9♈29	9°24	7°11	14°46	1° 2	3°54	11° 7	17°46	0°21	22°30	23°58	25°32	4°11	F 12
S 13	23 48 48	25°14'26	21°44	11° 3	8°26	15°20	1° 3	4° 0	11° 9	17°45	0°20	22°24	23°54	25°39	4°16	S 13
S 14	23 52 44	26°13'32	4♉ 8	12°44	9°40	15°54	1°R 3	4° 5	11°10	17°44	0°19	22°20	23°51	25°45	4°22	S 14
M15	23 56 41	27°12'40	16°42	14°26	10°55	16°28	1° 3	4°11	11°12	17°43	0°18	22°D18	23°48	25°52	4°27	M15
T 16	0 0 37	28°11'51	29°29	16°10	12°10	17° 2	1° 2	4°17	11°13	17°42	0°17	22°18	23°45	25°59	4°33	T 16
W17	0 4 34	29°11'04	12♊33	17°55	13°24	17°35	1° 2	4°22	11°15	17°41	0°15	22°19	23°42	26° 5	4°38	W17
T 18	0 8 30	0♎10'19	25°55	19°40	14°39	18° 9	1° 1	4°28	11°17	17°40	0°14	22°R20	23°38	26°12	4°44	T 18
F 19	0 12 27	1° 9'37	9♋38	21°26	15°54	18°42	1° 0	4°33	11°18	17°39	0°13	22°19	23°35	26°19	4°49	F 19
S 20	0 16 23	2° 8'58	23°44	23°11	17° 8	19°15	0°59	4°38	11°20	17°38	0°12	22°17	23°32	26°26	4°54	S 20
S 21	0 20 20	3° 8'20	8♌11	24°57	18°23	19°48	0°58	4°44	11°22	17°37	0°11	22°13	23°29	26°32	4°59	S 21
M22	0 24 17	4° 7'45	22°57	26°43	19°38	20°21	0°57	4°49	11°24	17°36	0°10	22° 7	23°26	26°39	5° 4	M22
T 23	0 28 13	5° 7'13	7♍54	28°28	20°52	20°54	0°55	4°54	11°26	17°35	0° 9	22° 0	23°23	26°46	5° 9	T 23
W24	0 32 10	6° 6'42	22°56	0♎14	22° 7	21°26	0°53	4°59	11°28	17°34	0° 8	21°53	23°19	26°53	5°14	W24
T 25	0 36 6	7° 6'14	7♎51	1°58	23°22	21°59	0°51	5° 4	11°30	17°32	0° 7	21°47	23°16	26°59	5°19	T 25
F 26	0 40 3	8° 5'47	22°32	3°43	24°37	22°31	0°49	5° 9	11°32	17°31	0° 6	21°42	23°13	27° 6	5°23	F 26
S 27	0 43 59	9° 5'23	6♏51	5°26	25°51	23° 3	0°46	5°14	11°34	17°30	0° 5	21°39	23°10	27°13	5°28	S 27
S 28	0 47 56	10° 5'01	20°45	7°10	27° 6	23°35	0°43	5°18	11°36	17°29	0° 5	21°D38	23° 7	27°19	5°33	S 28
M29	0 51 52	11° 4'40	4♐11	8°52	28°21	24° 6	0°40	5°23	11°38	17°28	0° 4	21°38	23° 4	27°26	5°37	M29
T 30	0 55 49	12♎ 4'22	17♐12	10♎34	29♎35	24♋38	0♊37	5♌27	11♐41	17♉26	0♓ 3	21♏40	23♏ 0	27♒33	5♌42	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	6n32	19s 9	0n12	12n53	0n 3	3n45	1n16	23n53	0n35	19n29	0s57	20n 9	0n32	22s15	0s 4	15n30	1s49	24s34	14s14	18s48	19s 0	8s38	13n56	5s47
T 2	6 9	20 35	1 20	12 54	0 18	3 14	1 15	23 51	0 36	19 29	0 57	20 8	0 32	22 15	0 4	15 30	1 49	24 34	14 14	18 48	18 59	8 36	13 54	5 47
W 3	5 46	20 56	2 22	12 52	0 33	2 43	1 13	23 50	0 37	19 29	0 58	20 7	0 32	22 16	0 4	15 29	1 49	24 35	14 14	18 48	18 58	8 34	13 53	5 48
T 4	5 24	20 15	3 16	12 46	0 46	2 13	1 12	23 48	0 38	19 30	0 58	20 5	0 32	22 16	0 4	15 29	1 50	24 35	14 14	18 48	18 58	8 31	13 51	5 48
F 5	5 1	18 39	4 0	12 35	0 58	1 42	1 11	23 46	0 39	19 30	0 58	20 4	0 32	22 16	0 4	15 29	1 50	24 36	14 14	18 47	18 57	8 29	13 49	5 48
S 6	4 38	16 15	4 33	12 21	1 9	1 10	1 10	23 45	0 40	19 30	0 58	20 3	0 33	22 16	0 4	15 29	1 50	24 36	14 14	18 45	18 56	8 27	13 47	5 49
S 7	4 14	13 12	4 54	12 3	1 19	0 39	1 8	23 43	0 41	19 31	0 58	20 1	0 33	22 16	0 4	15 29	1 50	24 36	14 14	18 43	18 55	8 25	13 46	5 49
M 8	3 51	9 38	5 3	11 41	1 27	0 8	1 7	23 40	0 42	19 31	0 58	20 0	0 33	22 16	0 4	15 28	1 50	24 37	14 13	18 40	18 55	8 23	13 44	5 50
T 9	3 28	5 41	4 58	11 17	1 34	0s23	1 5	23 38	0 43	19 31	0 58	19 59	0 33	22 17	0 4	15 28	1 50	24 37	14 13	18 38	18 54	8 20	13 42	5 50
W10	3 4	1 30	4 40	10 49	1 40	0 54	1 4	23 36	0 45	19 31	0 58	19 57	0 33	22 17	0 4	15 28	1 50	24 37	14 13	18 35	18 53	8 18	13 40	5 51
T 11	2 41	2n46	4 10	10 19	1 45	1 25	1 2	23 33	0 46	19 31	0 58	19 56	0 33	22 17	0 4	15 28	1 50	24 38	14 13	18 32	18 52	8 16	13 39	5 51
F 12	2 18	6 58	3 28	9 46	1 49	1 57	1 0	23 31	0 47	19 31	0 58	19 55	0 33	22 17	0 4	15 27	1 50	24 38	14 13	18 29	18 51	8 14	13 37	5 51
S 13	1 54	10 55	2 36	9 11	1 52	2 28	0 59	23 28	0 48	19 31	0 58	19 54	0 33	22 17	0 4	15 27	1 50	24 38	14 13	18 28	18 51	8 12	13 35	5 52
S 14	1 30	14 28	1 36	8 34	1 53	2 59	0 57	23 25	0 49	19 31	0 58	19 52	0 34	22 18	0 4	15 27	1 50	24 39	14 13	18 27	18 50	8 9	13 33	5 52
M15	1 7	17 23	0 30	7 55	1 54	3 30	0 55	23 22	0 50	19 31	0 58	19 51	0 34	22 18	0 4	15 26	1 50	24 39	14 13	18 26	18 49	8 7	13 32	5 53
T 16	0 43	19 31	0s39	7 15	1 55	4 1	0 53	23 19	0 51	19 31	0 59	19 50	0 34	22 18	0 4	15 26	1 50	24 39	14 13	18 26	18 48	8 5	13 30	5 53
W17	0 20	20 39	1 47	6 33	1 54	4 32	0 51	23 16	0 52	19 31	0 59	19 49	0 34	22 18	0 4	15 26	1 50	24 40	14 12	18 26	18 47	8 3	13 28	5 54
T 18	0s 4	20 39	2 51	5 50	1 53	5 3	0 49	23 12	0 53	19 31	0 59	19 48	0 34	22 18	0 4	15 25	1 50	24 40	14 12	18 27	18 47	8 0	13 27	5 54
F 19	0 28	19 26	3 47	5 7	1 51	5 34	0 47	23 9	0 55	19 30	0 59	19 46	0 34	22 19	0 4	15 25	1 50	24 40	14 12	18 27	18 46	7 58	13 25	5 55
S 20	0 52	17 1	4 30	4 23	1 49	6 4	0 45	23 5	0 56	19 30	0 59	19 45	0 34	22 19	0 4	15 25	1 50	24 40	14 12	18 26	18 45	7 56	13 23	5 55
S 21	1 15	13 30	4 58	3 38	1 46	6 35	0 43	23 2	0 57	19 30	0 59	19 44	0 35	22 19	0 4	15 24	1 50	24 41	14 12	18 25	18 44	7 54	13 22	5 56
M22	1 39	9 5	5 7	2 53	1 42	7 5	0 41	22 58	0 58	19 29	0 59	19 43	0 35	22 20	0 4	15 24	1 50	24 41	14 12	18 23	18 43	7 52	13 20	5 56
T 23	2 3	4 4	4 56	2 7	1 38	7 35	0 39	22 54	0 59	19 29	0 59	19 42	0 35	22 20	0 4	15 24	1 50	24 41	14 12	18 22	18 43	7 49	13 18	5 57
W24	2 26	1s13	4 24	1 21	1 34	8 5	0 37	22 50	1 1	19 28	0 59	19 41	0 35	22 20	0 4	15 23	1 50	24 41	14 11	18 20	18 42	7 47	13 17	5 57
T 25	2 50	6 24	3 34	0 35	1 30	8 35	0 34	22 46	1 2	19 28	0 59	19 40	0 35	22 20	0 4	15 23	1 51	24 41	14 11	18 18	18 41	7 45	13 15	5 58
F 26	3 14	11 9	2 31	0s11	1 25	9 5	0 32	22 42	1 3	19 27	0 59	19 39	0 35	22 21	0 4	15 23	1 51	24 42	14 11	18 17	18 40	7 43	13 13	5 58
S 27	3 37	15 7	1 19	0 57	1 20	9 35	0 30	22 38	1 4	19 27	0 59	19 38	0 35	22 21	0 4	15 22	1 51	24 42	14 11	18 16	18 39	7 41	13 12	5 59
S 28	4 1	18 6	0 5	1 43	1 14	10 4	0 27	22 34	1 5	19 26	0 59	19 37	0 36	22 21	0 4	15 22	1 51	24 42	14 11	18 16	18 39	7 38	13 10	5 59
M29	4 24	19 59	1n 8	2 29	1 9	10 33	0 25	22 29	1 7	19 26	0 59	19 36	0 36	22 22	0 4	15 21	1 51	24 42	14 10	18 16	18 38	7 36	13 8	6 0
T 30	4s48	20s43	2n14	3s15	1n 3	11s 2	0n23	22n25	1n 8	19n25	0s59	19n35	0n36	22s22	0s 4	15n21	1s51	24s42	14s10	18s16	18s37	7s34	13n 7	6s 0

Julian Day Number = 2109561.5, Delta T = 19m49s
Ecliptic obliquity = 23°33'33, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°41'17, Lahiri = 10°48'18 Julian Calendar 1 Sept. 1063 == Greg. Calendar 7 Sept. 1063

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1063
geocentric

OCTOBER 1063 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 59 46	13♎ 4'05	29♐50	12♎16	0♏50	25♋ 9	0°R34	5♌32	11♐43	17°R25	0°R 2	21♏41	22♏57	27♒40	5♌46	W 1
T 2	1 3 42	14° 3'50	12♑10	13°56	2° 5	25°40	0♊31	5°36	11°45	17♉24	0♓ 1	21°R42	22°54	27°46	5°50	T 2
F 3	1 7 39	15° 3'37	24°16	15°37	3°19	26°11	0°27	5°40	11°47	17°22	0° 0	21°42	22°51	27°53	5°54	F 3
S 4	1 11 35	16° 3'25	6♒13	17°16	4°34	26°42	0°23	5°45	11°50	17°21	29♒59	21°39	22°48	28° 0	5°59	S 4
S 5	1 15 32	17° 3'15	18° 6	18°55	5°49	27°12	0°19	5°49	11°52	17°19	29°59	21°36	22°44	28° 6	6° 3	S 5
M 6	1 19 28	18° 3'07	29°58	20°34	7° 3	27°42	0°15	5°53	11°55	17°18	29°58	21°31	22°41	28°13	6° 7	M 6
T 7	1 23 25	19° 3'01	11♓53	22°12	8°18	28°13	0°10	5°57	11°57	17°17	29°57	21°25	22°38	28°20	6°10	T 7
W 8	1 27 21	20° 2'56	23°55	23°49	9°32	28°43	0° 6	6° 0	12° 0	17°15	29°56	21°19	22°35	28°27	6°14	W 8
T 9	1 31 18	21° 2'54	6♈ 5	25°26	10°47	29°12	0° 1	6° 4	12° 2	17°14	29°56	21°14	22°32	28°33	6°18	T 9
F 10	1 35 15	22° 2'53	18°24	27° 2	12° 2	29°42	29♉56	6° 8	12° 5	17°12	29°55	21° 9	22°29	28°40	6°21	F 10
S 11	1 39 11	23° 2'54	0♉54	28°38	13°16	0♌11	29°51	6°11	12° 8	17°11	29°54	21° 6	22°25	28°47	6°25	S 11
S 12	1 43 8	24° 2'57	13°35	0♏14	14°31	0°40	29°46	6°15	12°10	17° 9	29°54	21° 5	22°22	28°54	6°28	S 12
M13	1 47 4	25° 3'02	26°28	1°49	15°45	1° 9	29°40	6°18	12°13	17° 8	29°53	21°D 5	22°19	29° 0	6°32	M13
T 14	1 51 1	26° 3'09	9♊33	3°23	17° 0	1°38	29°35	6°21	12°16	17° 6	29°52	21° 6	22°16	29° 7	6°35	T 14
W15	1 54 57	27° 3'19	22°52	4°57	18°15	2° 6	29°29	6°24	12°19	17° 4	29°52	21° 7	22°13	29°14	6°38	W15
T 16	1 58 54	28° 3'30	6♋23	6°31	19°29	2°34	29°23	6°27	12°21	17° 3	29°51	21° 9	22°10	29°20	6°41	T 16
F 17	2 2 50	29° 3'44	20° 9	8° 4	20°44	3° 2	29°17	6°30	12°24	17° 1	29°51	21°10	22° 6	29°27	6°44	F 17
S 18	2 6 47	0♏ 4'00	4♌10	9°37	21°58	3°30	29°11	6°33	12°27	17° 0	29°50	21°R10	22° 3	29°34	6°47	S 18
S 19	2 10 44	1° 4'17	18°23	11° 9	23°13	3°57	29° 5	6°36	12°30	16°58	29°50	21° 9	22° 0	29°41	6°50	S 19
M20	2 14 40	2° 4'37	2♍47	12°42	24°28	4°25	28°58	6°39	12°33	16°56	29°49	21° 7	21°57	29°47	6°53	M20
T 21	2 18 37	3° 4'59	17°19	14°13	25°42	4°52	28°52	6°41	12°36	16°55	29°49	21° 5	21°54	29°54	6°55	T 21
W22	2 22 33	4° 5'23	1♎53	15°45	26°57	5°18	28°45	6°44	12°39	16°53	29°48	21° 3	21°50	0♓ 1	6°58	W22
T 23	2 26 30	5° 5'48	16°24	17°16	28°11	5°45	28°38	6°46	12°42	16°52	29°48	21° 1	21°47	0° 7	7° 0	T 23
F 24	2 30 26	6° 6'16	0♏44	18°47	29°26	6°11	28°31	6°48	12°45	16°50	29°48	20°59	21°44	0°14	7° 2	F 24
S 25	2 34 23	7° 6'45	14°50	20°17	0♐40	6°37	28°24	6°50	12°48	16°48	29°47	20°D58	21°41	0°21	7° 4	S 25
S 26	2 38 19	8° 7'16	28°35	21°47	1°55	7° 2	28°17	6°52	12°51	16°47	29°47	20°58	21°38	0°28	7° 7	S 26
M27	2 42 16	9° 7'48	12♐ 0	23°17	3°10	7°27	28° 9	6°54	12°55	16°45	29°47	20°59	21°35	0°34	7° 9	M27
T 28	2 46 12	10° 8'22	25° 2	24°46	4°24	7°52	28° 2	6°56	12°58	16°43	29°46	21° 0	21°31	0°41	7°10	T 28
W29	2 50 9	11° 8'58	7♑43	26°15	5°39	8°17	27°54	6°58	13° 1	16°41	29°46	21° 1	21°28	0°48	7°12	W29
T 30	2 54 6	12° 9'34	20° 6	27°44	6°53	8°41	27°47	6°59	13° 4	16°40	29°46	21° 2	21°25	0°55	7°14	T 30
F 31	2 58 2	13♏10'12	2♒15	29♏12	8♐ 8	9♌ 5	27♉39	7♌ 1	13♐ 7	16♉38	29♒46	21♏ 3	21♏22	1♓ 1	7♌15	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s11	20s21	3n13	4s 0	0n57	11s30	0n20	22n21	1n 9	19n24	0s59	19n34	0n36	22s22	0s 4	15n21	1s51	24s42	14s10	18s17	18s36	7s32	13n 5	6s 1
T 2	5 34	19 0	4 0	4 45	0 51	11 59	0 18	22 16	1 10	19 23	0 59	19 33	0 36	22 22	0 4	15 20	1 51	24 42	14 10	18 17	18 35	7 30	13 4	6 2
F 3	5 58	16 50	4 37	5 30	0 44	12 27	0 15	22 12	1 12	19 23	0 59	19 32	0 36	22 23	0 4	15 20	1 51	24 43	14 10	18 17	18 35	7 27	13 2	6 2
S 4	6 21	13 58	5 0	6 14	0 38	12 54	0 13	22 7	1 13	19 22	1 0	19 31	0 36	22 23	0 4	15 19	1 51	24 43	14 9	18 16	18 34	7 25	13 1	6 3
S 5	6 44	10 33	5 11	6 58	0 32	13 22	0 10	22 2	1 14	19 21	1 0	19 30	0 37	22 23	0 4	15 19	1 51	24 43	14 9	18 15	18 33	7 23	12 59	6 3
M 6	7 7	6 44	5 8	7 41	0 25	13 49	0 8	21 57	1 16	19 20	1 0	19 29	0 37	22 24	0 4	15 19	1 51	24 43	14 9	18 14	18 32	7 21	12 58	6 4
T 7	7 30	2 38	4 52	8 24	0 18	14 16	0 5	21 53	1 17	19 19	1 0	19 29	0 37	22 24	0 4	15 18	1 51	24 43	14 9	18 12	18 31	7 18	12 56	6 4
W 8	7 53	1n36	4 23	9 7	0 12	14 42	0 3	21 48	1 18	19 18	1 0	19 28	0 37	22 24	0 4	15 18	1 51	24 43	14 9	18 11	18 31	7 16	12 55	6 5
T 9	8 15	5 49	3 42	9 48	0 5	15 8	0 0	21 43	1 20	19 17	1 0	19 27	0 37	22 25	0 4	15 17	1 51	24 43	14 8	18 9	18 30	7 14	12 53	6 6
F 10	8 38	9 51	2 49	10 30	0s 2	15 34	0s 3	21 38	1 21	19 16	1 0	19 26	0 37	22 25	0 4	15 17	1 51	24 43	14 8	18 8	18 29	7 12	12 52	6 6
S 11	9 0	13 32	1 48	11 10	0 8	15 59	0 5	21 33	1 22	19 15	1 0	19 26	0 38	22 26	0 4	15 16	1 51	24 43	14 8	18 7	18 28	7 10	12 50	6 7
S 12	9 22	16 39	0 41	11 51	0 15	16 24	0 8	21 28	1 24	19 14	1 0	19 25	0 38	22 26	0 4	15 16	1 51	24 43	14 8	18 7	18 27	7 7	12 49	6 7
M13	9 45	18 59	0s30	12 30	0 22	16 48	0 10	21 23	1 25	19 13	1 0	19 24	0 38	22 26	0 4	15 15	1 51	24 43	14 7	18 7	18 26	7 5	12 47	6 8
T 14	10 7	20 21	1 40	13 9	0 28	17 12	0 13	21 18	1 26	19 11	1 0	19 23	0 38	22 27	0 4	15 15	1 51	24 43	14 7	18 7	18 26	7 3	12 46	6 9
W15	10 28	20 36	2 46	13 47	0 35	17 36	0 16	21 13	1 28	19 10	1 0	19 23	0 38	22 27	0 4	15 15	1 51	24 43	14 7	18 8	18 25	7 1	12 45	6 9
T 16	10 50	19 40	3 44	14 25	0 42	17 59	0 18	21 8	1 29	19 9	1 0	19 22	0 38	22 27	0 4	15 14	1 51	24 43	14 7	18 8	18 24	6 59	12 43	6 10
F 17	11 12	17 35	4 30	15 1	0 48	18 22	0 21	21 3	1 31	19 8	1 0	19 22	0 38	22 28	0 4	15 14	1 51	24 43	14 6	18 8	18 23	6 56	12 42	6 11
S 18	11 33	14 26	5 1	15 37	0 54	18 44	0 24	20 58	1 32	19 6	1 0	19 21	0 39	22 28	0 4	15 13	1 51	24 43	14 6	18 8	18 22	6 54	12 41	6 11
S 19	11 54	10 24	5 15	16 13	1 1	19 6	0 26	20 53	1 34	19 5	1 0	19 21	0 39	22 29	0 4	15 13	1 51	24 43	14 6	18 8	18 22	6 52	12 39	6 12
M20	12 15	5 44	5 9	16 47	1 7	19 27	0 29	20 48	1 35	19 4	1 0	19 20	0 39	22 29	0 4	15 12	1 51	24 43	14 6	18 8	18 21	6 50	12 38	6 12
T 21	12 36	0 42	4 43	17 21	1 13	19 47	0 31	20 43	1 37	19 2	1 0	19 20	0 39	22 29	0 4	15 12	1 51	24 43	14 5	18 7	18 20	6 47	12 37	6 13
W22	12 57	4s24	3 59	17 54	1 19	20 7	0 34	20 37	1 38	19 1	1 0	19 19	0 39	22 30	0 4	15 11	1 51	24 43	14 5	18 7	18 19	6 45	12 36	6 14
T 23	13 17	9 14	3 0	18 25	1 25	20 27	0 37	20 32	1 40	18 59	1 0	19 19	0 39	22 30	0 4	15 11	1 51	24 42	14 5	18 6	18 18	6 43	12 34	6 14
F 24	13 37	13 30	1 50	18 56	1 30	20 46	0 39	20 27	1 41	18 58	1 0	19 18	0 40	22 31	0 4	15 10	1 51	24 42	14 4	18 6	18 17	6 41	12 33	6 15
S 25	13 57	16 54	0 34	19 27	1 36	21 4	0 42	20 22	1 43	18 56	0 59	19 18	0 40	22 31	0 4	15 10	1 51	24 42	14 4	18 5	18 17	6 39	12 32	6 16
S 26	14 17	19 16	0n42	19 56	1 41	21 22	0 44	20 17	1 44	18 55	0 59	19 17	0 40	22 31	0 4	15 9	1 51	24 42	14 4	18 5	18 16	6 36	12 31	6 16
M27	14 37	20 28	1 54	20 24	1 46	21 39	0 47	20 12	1 46	18 53	0 59	19 17	0 40	22 32	0 4	15 9	1 51	24 42	14 4	18 6	18 15	6 34	12 30	6 17
T 28	14 56	20 30	2 58	20 51	1 51	21 56	0 49	20 7	1 48	18 51	0 59	19 17	0 40	22 32	0 4	15 8	1 51	24 42	14 3	18 6	18 14	6 32	12 29	6 18
W29	15 15	19 29	3 51	21 17	1 56	22 12	0 52	20 3	1 49	18 50	0 59	19 17	0 40	22 33	0 4	15 8	1 51	24 42	14 3	18 6	18 13	6 30	12 28	6 18
T 30	15 34	17 34	4 32	21 42	2 0	22 27	0 54	19 58	1 51	18 48	0 59	19 16	0 41	22 33	0 4	15 7	1 51	24 41	14 3	18 6	18 12	6 27	12 26	6 19
F 31	15s52	14s53	5n 0	22s 6	2s 4	22s42	0s57	19n53	1n53	18n46	0s59	19n16	0n41	22s33	0s 4	15n 7	1s51	24s41	14s 2	18s 6	18s12	6s25	12n25	6s20

Julian Day Number = 2109591.5, Delta T = 19m48s
Ecliptic obliquity = 23°33'33, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°41'21, Lahiri = 10°48'22 Julian Calendar 1 Oct. 1063 == Greg. Calendar 7 Oct. 1063

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1063
geocentric

NOVEMBER 1063 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 1 59	14♏10'51	14♒14	0♐39	9♐22	9♌29	27°R31	7♌ 2	13♐11	16°R36	29°R45	21°R 3	21♏19	1♓ 8	7♌17	S 1
S 2	3 5 55	15°11'31	26° 7	2° 6	10°37	9°52	27♉24	7° 3	13°14	16♉35	29♒45	21♏ 3	21°15	1°15	7°18	S 2
M 3	3 9 52	16°12'13	8♓ 0	3°33	11°51	10°15	27°16	7° 4	13°17	16°33	29°45	21° 2	21°12	1°21	7°20	M 3
T 4	3 13 48	17°12'55	19°56	4°58	13° 5	10°38	27° 8	7° 5	13°21	16°31	29°45	21° 2	21° 9	1°28	7°21	T 4
W 5	3 17 45	18°13'39	2♈ 1	6°23	14°20	11° 0	27° 0	7° 6	13°24	16°30	29°45	21° 1	21° 6	1°35	7°22	W 5
T 6	3 21 41	19°14'24	14°16	7°47	15°34	11°22	26°52	7° 7	13°27	16°28	29°45	21° 1	21° 3	1°42	7°23	T 6
F 7	3 25 38	20°15'10	26°46	9°11	16°49	11°44	26°44	7° 8	13°31	16°26	29°45	21° 1	21° 0	1°48	7°24	F 7
S 8	3 29 35	21°15'57	9♉30	10°33	18° 3	12° 5	26°36	7° 8	13°34	16°25	29°D45	21°D 1	20°56	1°55	7°24	S 8
S 9	3 33 31	22°16'45	22°32	11°53	19°18	12°26	26°27	7° 9	13°38	16°23	29°45	21°R 1	20°53	2° 2	7°25	S 9
M10	3 37 28	23°17'35	5♊48	13°13	20°32	12°46	26°19	7° 9	13°41	16°21	29°45	21° 1	20°50	2° 8	7°26	M10
T 11	3 41 24	24°18'26	19°20	14°30	21°46	13° 6	26°11	7°10	13°45	16°19	29°45	21° 1	20°47	2°15	7°26	T 11
W12	3 45 21	25°19'19	3♋ 4	15°46	23° 1	13°26	26° 3	7°10	13°48	16°18	29°45	21° 0	20°44	2°22	7°26	W12
T 13	3 49 17	26°20'12	16°58	16°59	24°15	13°45	25°55	7°R10	13°51	16°16	29°45	21° 0	20°41	2°29	7°27	T 13
F 14	3 53 14	27°21'08	1♌ 1	18°10	25°29	14° 4	25°47	7°10	13°55	16°14	29°45	20°59	20°37	2°35	7°27	F 14
S 15	3 57 10	28°22'04	15° 8	19°18	26°44	14°22	25°38	7° 9	13°59	16°13	29°45	20°58	20°34	2°42	7°R27	S 15
S 16	4 1 7	29°23'02	29°19	20°23	27°58	14°40	25°30	7° 9	14° 2	16°11	29°46	20°D58	20°31	2°49	7°27	S 16
M17	4 5 4	0♐24'01	13♍30	21°24	29°12	14°58	25°22	7° 9	14° 6	16°10	29°46	20°58	20°28	2°56	7°26	M17
T 18	4 9 0	1°25'01	27°41	22°20	0♑26	15°15	25°14	7° 8	14° 9	16° 8	29°46	20°59	20°25	3° 2	7°26	T 18
W19	4 12 57	2°26'02	11♎47	23°11	1°41	15°31	25° 6	7° 7	14°13	16° 6	29°46	21° 0	20°21	3° 9	7°26	W19
T 20	4 16 53	3°27'05	25°47	23°57	2°55	15°47	24°58	7° 7	14°16	16° 5	29°47	21° 1	20°18	3°16	7°25	T 20
F 21	4 20 50	4°28'09	9♏39	24°35	4° 9	16° 3	24°50	7° 6	14°20	16° 3	29°47	21° 2	20°15	3°22	7°24	F 21
S 22	4 24 46	5°29'13	23°19	25° 7	5°23	16°18	24°42	7° 5	14°24	16° 1	29°47	21°R 2	20°12	3°29	7°24	S 22
S 23	4 28 43	6°30'19	6♐46	25°30	6°37	16°32	24°34	7° 4	14°27	16° 0	29°48	21° 2	20° 9	3°36	7°23	S 23
M24	4 32 39	7°31'26	19°57	25°44	7°52	16°46	24°26	7° 2	14°31	15°58	29°48	21° 0	20° 6	3°43	7°22	M24
T 25	4 36 36	8°32'33	2♑52	25°R48	9° 6	17° 0	24°19	7° 1	14°34	15°57	29°48	20°58	20° 2	3°49	7°21	T 25
W26	4 40 33	9°33'40	15°30	25°41	10°20	17°13	24°11	7° 0	14°38	15°55	29°49	20°55	19°59	3°56	7°20	W26
T 27	4 44 29	10°34'49	27°52	25°23	11°34	17°25	24° 3	6°58	14°42	15°54	29°49	20°52	19°56	4° 3	7°18	T 27
F 28	4 48 26	11°35'57	10♒ 2	24°53	12°48	17°37	23°56	6°56	14°45	15°52	29°50	20°49	19°53	4° 9	7°17	F 28
S 29	4 52 22	12°37'06	22° 1	24°12	14° 2	17°48	23°49	6°55	14°49	15°51	29°50	20°46	19°50	4°16	7°16	S 29
S 30	4 56 19	13♐38'15	3♓54	23♐20	15♑16	17♌58	23♉41	6♌53	14♐53	15♉49	29♒51	20♏45	19♏47	4♓23	7♌14	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s10	11s37	5n15	22s29	2s 8	22s56	0s59	19n48	1n54	18n45	0s59	19n16	0n41	22s34	0s 4	15n 6	1s51	24s41	14s 2	18s 7	18s11	6s23	12n24	6s20
S 2	16 28	7 55	5 16	22 50	2 12	23 10	1 1	19 43	1 56	18 43	0 59	19 16	0 41	22 34	0 4	15 6	1 51	24 41	14 2	18 6	18 10	6 21	12 23	6 21
M 3	16 46	3 55	5 3	23 11	2 15	23 22	1 4	19 39	1 58	18 41	0 59	19 16	0 41	22 35	0 4	15 5	1 51	24 41	14 1	18 6	18 9	6 19	12 22	6 22
T 4	17 3	0n15	4 38	23 30	2 18	23 34	1 6	19 34	1 59	18 40	0 59	19 16	0 41	22 35	0 4	15 5	1 51	24 40	14 1	18 6	18 8	6 16	12 22	6 22
W 5	17 21	4 28	4 0	23 48	2 21	23 46	1 8	19 30	2 1	18 38	0 59	19 16	0 42	22 35	0 4	15 5	1 51	24 40	14 1	18 6	18 7	6 14	12 21	6 23
T 6	17 37	8 34	3 10	24 4	2 23	23 56	1 10	19 25	2 3	18 36	0 59	19 16	0 42	22 36	0 4	15 4	1 51	24 40	14 1	18 6	18 7	6 12	12 20	6 24
F 7	17 54	12 24	2 11	24 19	2 25	24 6	1 13	19 21	2 5	18 34	0 59	19 15	0 42	22 36	0 4	15 4	1 51	24 40	14 0	18 6	18 6	6 10	12 19	6 24
S 8	18 10	15 44	1 3	24 33	2 26	24 16	1 15	19 17	2 6	18 33	0 58	19 16	0 42	22 37	0 4	15 3	1 51	24 39	14 0	18 6	18 5	6 8	12 18	6 25
S 9	18 26	18 22	0s 8	24 45	2 27	24 24	1 17	19 12	2 8	18 31	0 58	19 16	0 42	22 37	0 4	15 3	1 51	24 39	14 0	18 6	18 4	6 5	12 17	6 26
M10	18 41	20 3	1 21	24 56	2 27	24 32	1 19	19 8	2 10	18 29	0 58	19 16	0 43	22 38	0 4	15 2	1 51	24 39	13 59	18 6	18 3	6 3	12 16	6 26
T 11	18 57	20 37	2 31	25 5	2 27	24 39	1 21	19 4	2 12	18 27	0 58	19 16	0 43	22 38	0 4	15 2	1 51	24 38	13 59	18 6	18 2	6 1	12 16	6 27
W12	19 11	19 59	3 33	25 12	2 26	24 45	1 23	19 0	2 14	18 25	0 58	19 16	0 43	22 38	0 4	15 1	1 51	24 38	13 59	18 6	18 1	5 59	12 15	6 28
T 13	19 26	18 8	4 23	25 18	2 24	24 51	1 25	18 57	2 16	18 24	0 58	19 16	0 43	22 39	0 4	15 1	1 51	24 38	13 58	18 6	18 1	5 56	12 14	6 28
F 14	19 40	15 11	4 58	25 23	2 22	24 56	1 27	18 53	2 18	18 22	0 58	19 16	0 43	22 39	0 4	15 0	1 51	24 37	13 58	18 6	18 0	5 54	12 14	6 29
S 15	19 54	11 21	5 15	25 25	2 18	25 0	1 29	18 49	2 19	18 20	0 58	19 16	0 43	22 40	0 4	15 0	1 51	24 37	13 58	18 5	17 59	5 52	12 13	6 30
S 16	20 7	6 52	5 14	25 26	2 14	25 3	1 30	18 46	2 21	18 18	0 57	19 17	0 44	22 40	0 4	14 59	1 51	24 37	13 58	18 5	17 58	5 50	12 12	6 30
M17	20 20	2 1	4 53	25 26	2 9	25 5	1 32	18 43	2 23	18 16	0 57	19 17	0 44	22 41	0 4	14 59	1 51	24 36	13 57	18 5	17 57	5 48	12 12	6 31
T 18	20 33	2s57	4 14	25 23	2 3	25 7	1 34	18 39	2 25	18 15	0 57	19 17	0 44	22 41	0 4	14 58	1 51	24 36	13 57	18 6	17 56	5 45	12 11	6 32
W19	20 45	7 45	3 21	25 19	1 56	25 8	1 35	18 36	2 27	18 13	0 57	19 18	0 44	22 41	0 4	14 58	1 51	24 36	13 57	18 6	17 56	5 43	12 11	6 32
T 20	20 57	12 7	2 15	25 13	1 48	25 8	1 37	18 34	2 29	18 11	0 57	19 18	0 44	22 42	0 4	14 58	1 51	24 35	13 56	18 6	17 55	5 41	12 10	6 33
F 21	21 8	15 46	1 3	25 6	1 39	25 8	1 38	18 31	2 31	18 9	0 57	19 18	0 44	22 42	0 4	14 57	1 51	24 35	13 56	18 6	17 54	5 39	12 10	6 34
S 22	21 20	18 30	0n13	24 56	1 28	25 6	1 40	18 28	2 33	18 8	0 56	19 19	0 45	22 43	0 4	14 57	1 51	24 34	13 56	18 6	17 53	5 36	12 9	6 34
S 23	21 30	20 8	1 26	24 45	1 16	25 4	1 41	18 26	2 36	18 6	0 56	19 19	0 45	22 43	0 4	14 56	1 51	24 34	13 55	18 6	17 52	5 34	12 9	6 35
M24	21 40	20 38	2 33	24 32	1 3	25 2	1 42	18 23	2 38	18 4	0 56	19 20	0 45	22 44	0 4	14 56	1 51	24 34	13 55	18 6	17 51	5 32	12 8	6 36
T 25	21 50	20 1	3 31	24 17	0 48	24 58	1 43	18 21	2 40	18 2	0 56	19 20	0 45	22 44	0 4	14 55	1 51	24 33	13 55	18 5	17 50	5 30	12 8	6 36
W26	22 0	18 24	4 17	24 1	0 32	24 54	1 45	18 19	2 42	18 1	0 56	19 21	0 45	22 44	0 4	14 55	1 51	24 33	13 55	18 4	17 50	5 28	12 8	6 37
T 27	22 9	15 57	4 50	23 43	0 15	24 48	1 46	18 18	2 44	17 59	0 56	19 21	0 45	22 45	0 4	14 55	1 51	24 32	13 54	18 4	17 49	5 25	12 7	6 37
F 28	22 17	12 51	5 9	23 24	0n 4	24 43	1 47	18 16	2 46	17 57	0 55	19 22	0 46	22 45	0 4	14 54	1 51	24 32	13 54	18 3	17 48	5 23	12 7	6 38
S 29	22 25	9 16	5 15	23 3	0 23	24 36	1 48	18 15	2 49	17 56	0 55	19 23	0 46	22 46	0 4	14 54	1 51	24 31	13 54	18 2	17 47	5 21	12 7	6 39
S 30	22s33	5s22	5n 6	22s40	0n43	24s29	1s48	18n14	2n51	17n54	0s55	19n23	0n46	22s46	0s 4	14n53	1s51	24s31	13s53	18s 2	17s46	5s19	12n 7	6s39

Julian Day Number = 2109622.5, Delta T = 19m48s
Ecliptic obliquity = 23°33'33, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°41'26, Lahiri = 10°48'26 Julian Calendar 1 Nov. 1063 == Greg. Calendar 7 Nov. 1063

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1063
geocentric

DECEMBER 1063 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 0 15	14♐39'24	15♓46	22°R17	16♑30	18♌ 8	23°R34	6°R51	14♐56	15°R48	29♒51	20°D44	19♏43	4♓30	7°R12	M 1
T 2	5 4 12	15°40'34	27°41	21♐ 6	17°44	18°17	23♉27	6♌49	15° 0	15♉46	29°52	20♏45	19°40	4°36	7♌11	T 2
W 3	5 8 9	16°41'44	9♈45	19°49	18°58	18°26	23°20	6°47	15° 3	15°45	29°53	20°46	19°37	4°43	7° 9	W 3
T 4	5 12 5	17°42'53	22° 1	18°28	20°12	18°34	23°13	6°44	15° 7	15°44	29°53	20°48	19°34	4°50	7° 7	T 4
F 5	5 16 2	18°44'03	4♉34	17° 5	21°25	18°42	23° 7	6°42	15°11	15°42	29°54	20°50	19°31	4°56	7° 5	F 5
S 6	5 19 58	19°45'13	17°28	15°44	22°39	18°48	23° 0	6°40	15°14	15°41	29°55	20°R51	19°27	5° 3	7° 3	S 6
S 7	5 23 55	20°46'24	0♊43	14°27	23°53	18°54	22°54	6°37	15°18	15°40	29°55	20°50	19°24	5°10	7° 0	S 7
M 8	5 27 51	21°47'34	14°21	13°17	25° 7	19° 0	22°47	6°34	15°22	15°38	29°56	20°48	19°21	5°17	6°58	M 8
T 9	5 31 48	22°48'45	28°18	12°15	26°20	19° 5	22°41	6°32	15°25	15°37	29°57	20°45	19°18	5°23	6°56	T 9
W10	5 35 44	23°49'56	12♋32	11°22	27°34	19° 9	22°35	6°29	15°29	15°36	29°58	20°40	19°15	5°30	6°53	W10
T 11	5 39 41	24°51'07	26°57	10°39	28°48	19°12	22°29	6°26	15°32	15°34	29°58	20°35	19°12	5°37	6°51	T 11
F 12	5 43 38	25°52'18	11♌27	10° 7	0♒ 1	19°14	22°24	6°23	15°36	15°33	29°59	20°29	19° 8	5°44	6°48	F 12
S 13	5 47 34	26°53'29	25°56	9°45	1°15	19°16	22°18	6°20	15°40	15°32	0♓ 0	20°25	19° 5	5°50	6°45	S 13
S 14	5 51 31	27°54'41	10♍18	9°33	2°28	19°17	22°13	6°16	15°43	15°31	0° 1	20°22	19° 2	5°57	6°42	S 14
M15	5 55 27	28°55'53	24°31	9°D31	3°42	19°R18	22° 8	6°13	15°47	15°30	0° 2	20°D21	18°59	6° 4	6°39	M15
T 16	5 59 24	29°57'05	8♎33	9°38	4°55	19°17	22° 3	6°10	15°50	15°29	0° 3	20°21	18°56	6°10	6°36	T 16
W17	6 3 20	0♏58'17	22°22	9°53	6° 8	19°16	21°58	6° 6	15°54	15°28	0° 4	20°22	18°53	6°17	6°33	W17
T 18	6 7 17	1°59'30	5♏59	10°15	7°22	19°14	21°53	6° 3	15°57	15°26	0° 5	20°23	18°49	6°24	6°30	T 18
F 19	6 11 13	3° 0'42	19°24	10°45	8°35	19°11	21°49	5°59	16° 1	15°25	0° 6	20°R24	18°46	6°31	6°27	F 19
S 20	6 15 10	4° 1'55	2♐38	11°20	9°48	19° 8	21°44	5°55	16° 4	15°24	0° 7	20°23	18°43	6°37	6°24	S 20
S 21	6 19 7	5° 3'07	15°40	12° 1	11° 1	19° 3	21°40	5°52	16° 8	15°23	0° 8	20°21	18°40	6°44	6°20	S 21
M22	6 23 3	6° 4'20	28°31	12°47	12°14	18°58	21°36	5°48	16°11	15°23	0° 9	20°15	18°37	6°51	6°17	M22
T 23	6 27 0	7° 5'32	11♑10	13°37	13°27	18°52	21°33	5°44	16°15	15°22	0°10	20° 8	18°33	6°57	6°13	T 23
W24	6 30 56	8° 6'43	23°38	14°31	14°40	18°45	21°29	5°40	16°18	15°21	0°11	19°59	18°30	7° 4	6°10	W24
T 25	6 34 53	9° 7'54	5♒54	15°29	15°53	18°37	21°26	5°36	16°22	15°20	0°12	19°49	18°27	7°11	6° 6	T 25
F 26	6 38 49	10° 9'05	18° 1	16°29	17° 6	18°29	21°23	5°32	16°25	15°19	0°13	19°39	18°24	7°18	6° 2	F 26
S 27	6 42 46	11°10'14	29°58	17°33	18°19	18°20	21°20	5°27	16°28	15°18	0°14	19°31	18°21	7°24	5°58	S 27
S 28	6 46 42	12°11'23	11♓50	18°40	19°32	18°10	21°17	5°23	16°32	15°17	0°15	19°24	18°18	7°31	5°54	S 28
M29	6 50 39	13°12'31	23°40	19°48	20°44	17°59	21°14	5°19	16°35	15°17	0°16	19°19	18°14	7°38	5°51	M29
T 30	6 54 36	14°13'38	5♈33	20°59	21°57	17°47	21°12	5°14	16°39	15°16	0°17	19°17	18°11	7°44	5°47	T 30
W31	6 58 32	15♑14'45	17♈33	22♐11	23♒10	17♌35	21♉10	5♌10	16♐42	15♉15	0♓19	19°D16	18♏ 8	7♓51	5♌43	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	22s40	1s15	4n45	22s17	1n 3	24s20	1s49	18n13	2n53	17n52	0s55	19n24	0n46	22s47	0s 4	14n53	1s51	24s30	13s53	18s 2	17s45	5s17	12n 7	6s40	
T 2	22 47	2n55	4 12	21 52	1 23	24 12	1 50	18 12	2 55	17 51	0 55	19 25	0 46	22 47	0 4	14 53	1 51	24 30	13 53	18 2	17 44	5 14	12 6	6 40	
W 3	22 53	7 3	3 27	21 28	1 43	24 2	1 51	18 11	2 57	17 49	0 54	19 25	0 46	22 47	0 4	14 52	1 51	24 29	13 52	18 2	17 44	5 12	12 6	6 41	
T 4	22 59	10 58	2 32	21 3	2 1	23 52	1 51	18 11	3 0	17 48	0 54	19 26	0 47	22 48	0 4	14 52	1 51	24 29	13 52	18 3	17 43	5 10	12 6	6 42	
F 5	23 5	14 29	1 28	20 39	2 17	23 41	1 52	18 11	3 2	17 46	0 54	19 27	0 47	22 48	0 4	14 52	1 51	24 28	13 52	18 3	17 42	5 8	12 6	6 42	
S 6	23 10	17 25	0 19	20 17	2 31	23 29	1 52	18 11	3 4	17 45	0 54	19 28	0 47	22 49	0 4	14 51	1 50	24 28	13 52	18 3	17 41	5 5	12 6	6 43	
S 7	23 14	19 32	0s54	19 57	2 43	23 17	1 52	18 11	3 7	17 44	0 53	19 28	0 47	22 49	0 4	14 51	1 50	24 27	13 51	18 3	17 40	5 3	12 6	6 43	
M 8	23 18	20 34	2 5	19 39	2 53	23 4	1 53	18 12	3 9	17 42	0 53	19 29	0 47	22 49	0 4	14 51	1 50	24 27	13 51	18 3	17 39	5 1	12 6	6 44	
T 9	23 22	20 22	3 10	19 24	3 0	22 50	1 53	18 12	3 11	17 41	0 53	19 30	0 47	22 50	0 4	14 50	1 50	24 26	13 51	18 2	17 38	4 59	12 6	6 44	
W10	23 25	18 54	4 5	19 12	3 5	22 36	1 53	18 13	3 14	17 40	0 53	19 31	0 48	22 50	0 5	14 50	1 50	24 26	13 51	18 1	17 37	4 57	12 6	6 45	
T 11	23 27	16 12	4 45	19 4	3 7	22 21	1 53	18 14	3 16	17 38	0 53	19 32	0 48	22 51	0 5	14 50	1 50	24 25	13 50	17 59	17 37	4 54	12 7	6 45	
F 12	23 30	12 31	5 7	18 58	3 8	22 5	1 53	18 16	3 19	17 37	0 52	19 33	0 48	22 51	0 5	14 49	1 50	24 25	13 50	17 58	17 36	4 52	12 7	6 46	
S 13	23 31	8 5	5 10	18 56	3 7	21 48	1 52	18 18	3 21	17 36	0 52	19 34	0 48	22 51	0 5	14 49	1 50	24 24	13 50	17 56	17 35	4 50	12 7	6 46	
S 14	23 33	3 14	4 52	18 57	3 4	21 32	1 52	18 20	3 23	17 35	0 52	19 35	0 48	22 52	0 5	14 49	1 50	24 24	13 49	17 56	17 34	4 48	12 7	6 47	
M15	23 33	1s45	4 18	19 1	3 0	21 14	1 52	18 22	3 26	17 34	0 52	19 36	0 48	22 52	0 5	14 48	1 50	24 23	13 49	17 55	17 33	4 46	12 7	6 47	
T 16	23 34	6 35	3 28	19 7	2 55	20 56	1 51	18 24	3 28	17 33	0 51	19 37	0 49	22 53	0 5	14 48	1 50	24 22	13 49	17 55	17 32	4 43	12 8	6 48	
W17	23 33	11 0	2 26	19 15	2 49	20 37	1 51	18 27	3 31	17 32	0 51	19 38	0 49	22 53	0 5	14 48	1 50	24 22	13 49	17 56	17 31	4 41	12 8	6 48	
T 18	23 33	14 48	1 17	19 25	2 42	20 18	1 50	18 30	3 33	17 31	0 51	19 39	0 49	22 53	0 5	14 48	1 50	24 21	13 48	17 56	17 30	4 39	12 8	6 49	
F 19	23 31	17 45	0 5	19 37	2 35	19 58	1 49	18 33	3 35	17 30	0 51	19 40	0 49	22 54	0 5	14 47	1 50	24 21	13 48	17 56	17 30	4 37	12 9	6 49	
S 20	23 30	19 43	1n 6	19 49	2 27	19 38	1 49	18 36	3 38	17 29	0 50	19 41	0 49	22 54	0 5	14 47	1 50	24 20	13 48	17 56	17 29	4 35	12 9	6 50	
S 21	23 28	20 35	2 12	20 3	2 19	19 17	1 48	18 40	3 40	17 28	0 50	19 42	0 49	22 55	0 5	14 47	1 50	24 20	13 48	17 55	17 28	4 32	12 9	6 50	
M22	23 25	20 22	3 11	20 17	2 10	18 55	1 47	18 44	3 43	17 27	0 50	19 43	0 50	22 55	0 5	14 47	1 50	24 19	13 47	17 54	17 27	4 30	12 10	6 51	
T 23	23 22	19 7	3 59	20 32	2 1	18 33	1 46	18 48	3 45	17 26	0 50	19 44	0 50	22 55	0 5	14 46	1 50	24 18	13 47	17 52	17 26	4 28	12 10	6 51	
W24	23 19	16 58	4 35	20 48	1 52	18 11	1 44	18 53	3 47	17 26	0 49	19 45	0 50	22 56	0 5	14 46	1 50	24 18	13 47	17 49	17 25	4 26	12 11	6 51	
T 25	23 15	14 5	4 57	21 3	1 43	17 48	1 43	18 57	3 50	17 25	0 49	19 46	0 50	22 56	0 5	14 46	1 50	24 17	13 47	17 47	17 24	4 23	12 11	6 52	
F 26	23 10	10 39	5 6	21 19	1 34	17 24	1 42	19 2	3 52	17 25	0 49	19 48	0 50	22 56	0 5	14 46	1 50	24 17	13 47	17 44	17 23	4 21	12 12	6 52	
S 27	23 5	6 50	5 1	21 34	1 25	17 0	1 40	19 7	3 54	17 24	0 49	19 49	0 50	22 57	0 5	14 46	1 49	24 16	13 46	17 42	17 23	4 19	12 12	6 52	
S 28	23 0	2 47	4 43	21 49	1 16	16 36	1 39	19 12	3 56	17 24	0 48	19 50	0 50	22 57	0 5	14 45	1 49	24 15	13 46	17 40	17 22	4 17	12 13	6 53	
M29	22 54	1n21	4 13	22 3	1 7	16 11	1 37	19 18	3 59	17 23	0 48	19 51	0 51	22 57	0 5	14 45	1 49	24 15	13 46	17 39	17 21	4 15	12 14	6 53	
T 30	22 48	5 28	3 32	22 18	0 58	15 46	1 36	19 24	4 1	17 23	0 48	19 52	0 51	22 58	0 5	14 45	1 49	24 14	13 46	17 38	17 20	4 12	12 14	6 53	
W31	22s41	9n24	2n42	22s31	0n49	15s20	1s34	19n30	4n 3	17n22	0s48	19n54	0n51	22s58	0s 5	14n45	1s49	24s13	13s46	17s38	17s19	4s10	12n15	6s54	

Julian Day Number = 2109652.5, Delta T = 19m48s
Ecliptic obliquity = 23°33'32, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°41'30, Lahiri = 10°48'30 Julian Calendar 1 Dec. 1063 == Greg. Calendar 7 Dec. 1063

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1064
geocentric

JANUARY 1064 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 2 29	16♉15'50	29♈45	23♐26	24♒22	17°R21	21°R 8	5°R 6	16♐45	15°R15	0♓20	19♏17	18♏ 5	7♓58	5°R39	T 1
F 2	7 6 25	17°16'55	12♉16	24°42	25°34	17♎ 7	21♉ 6	5♎ 1	16°48	15♉14	0°21	19°18	18° 2	8° 5	5♎34	F 2
S 3	7 10 22	18°17'58	25° 8	25°59	26°47	16°53	21° 4	4°57	16°52	15°13	0°22	19°R18	17°59	8°11	5°30	S 3
S 4	7 14 18	19°19'00	8♊27	27°18	27°59	16°37	21° 3	4°52	16°55	15°13	0°24	19°16	17°55	8°18	5°26	S 4
M 5	7 18 15	20°20'02	22°14	28°38	29°11	16°21	21° 2	4°47	16°58	15°12	0°25	19°12	17°52	8°25	5°22	M 5
T 6	7 22 11	21°21'02	6♋27	29°59	0♓23	16° 4	21° 1	4°43	17° 1	15°12	0°26	19° 5	17°49	8°31	5°18	T 6
W 7	7 26 8	22°22'02	21° 3	1♉21	1°35	15°47	21° 0	4°38	17° 4	15°11	0°27	18°56	17°46	8°38	5°13	W 7
T 8	7 30 5	23°23'00	5♎55	2°44	2°47	15°28	21° 0	4°33	17° 7	15°11	0°29	18°46	17°43	8°45	5° 9	T 8
F 9	7 34 1	24°23'57	20°54	4° 9	3°58	15°10	21° 0	4°28	17°11	15°11	0°30	18°36	17°39	8°52	5° 5	F 9
S 10	7 37 58	25°24'54	5♏50	5°34	5°10	14°50	20°D59	4°24	17°14	15°10	0°32	18°27	17°36	8°58	5° 0	S 10
S 11	7 41 54	26°25'50	20°34	7° 0	6°22	14°30	21° 0	4°19	17°17	15°10	0°33	18°20	17°33	9° 5	4°56	S 11
M12	7 45 51	27°26'44	5♐ 2	8°27	7°33	14°10	21° 0	4°14	17°20	15°10	0°34	18°15	17°30	9°12	4°51	M12
T 13	7 49 47	28°27'38	19°10	9°55	8°44	13°49	21° 0	4° 9	17°23	15° 9	0°36	18°13	17°27	9°18	4°47	T 13
W14	7 53 44	29°28'32	2♑57	11°23	9°56	13°27	21° 1	4° 4	17°26	15° 9	0°37	18°D13	17°24	9°25	4°42	W14
T 15	7 57 40	0♒29'24	16°24	12°53	11° 7	13° 5	21° 2	3°59	17°28	15° 9	0°38	18°R13	17°20	9°32	4°38	T 15
F 16	8 1 37	1°30'16	29°34	14°23	12°18	12°43	21° 3	3°55	17°31	15° 9	0°40	18°13	17°17	9°39	4°33	F 16
S 17	8 5 34	2°31'06	12♐29	15°54	13°29	12°20	21° 4	3°50	17°34	15° 9	0°41	18°10	17°14	9°45	4°29	S 17
S 18	8 9 30	3°31'56	25°11	17°26	14°39	11°57	21° 6	3°45	17°37	15° 9	0°43	18° 5	17°11	9°52	4°24	S 18
M19	8 13 27	4°32'44	7♉43	18°59	15°50	11°34	21° 8	3°40	17°40	15° 9	0°44	17°57	17° 8	9°59	4°20	M19
T 20	8 17 23	5°33'31	20° 5	20°33	17° 1	11°10	21° 9	3°35	17°43	15°D 9	0°46	17°46	17° 5	10° 5	4°15	T 20
W21	8 21 20	6°34'17	2♒20	22° 7	18°11	10°47	21°12	3°30	17°45	15° 9	0°47	17°33	17° 1	10°12	4°11	W21
T 22	8 25 16	7°35'02	14°26	23°42	19°21	10°23	21°14	3°25	17°48	15° 9	0°49	17°18	16°58	10°19	4° 6	T 22
F 23	8 29 13	8°35'45	26°26	25°18	20°32	9°59	21°16	3°20	17°51	15° 9	0°50	17° 3	16°55	10°26	4° 2	F 23
S 24	8 33 10	9°36'26	8♓21	26°55	21°42	9°35	21°19	3°16	17°53	15° 9	0°52	16°50	16°52	10°32	3°57	S 24
S 25	8 37 6	10°37'06	20°11	28°32	22°52	9°11	21°22	3°11	17°56	15° 9	0°53	16°39	16°49	10°39	3°52	S 25
M26	8 41 3	11°37'44	2♈ 0	0♒11	24° 1	8°47	21°25	3° 6	17°58	15° 9	0°55	16°30	16°45	10°46	3°48	M26
T 27	8 44 59	12°38'20	13°52	1°50	25°11	8°23	21°28	3° 1	18° 1	15° 9	0°56	16°25	16°42	10°52	3°44	T 27
W28	8 48 56	13°38'55	25°49	3°30	26°20	7°59	21°32	2°56	18° 3	15°10	0°58	16°22	16°39	10°59	3°39	W28
T 29	8 52 52	14°39'28	7♉58	5°11	27°30	7°36	21°35	2°52	18° 5	15°10	0°59	16°21	16°36	11° 6	3°35	T 29
F 30	8 56 49	15°39'59	20°23	6°53	28°39	7°12	21°39	2°47	18° 8	15°10	1° 1	16°21	16°33	11°13	3°30	F 30
S 31	9 0 45	16♒40'28	3♊10	8♒36	29♓48	6♎50	21♉43	2♎42	18♐10	15♉11	1♓ 3	16♏21	16♏30	11♓19	3♎26	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s34	13n 3	1n43	22s44	0n40	14s54	1s32	19n36	4n 5	17n22	0s47	19n55	0n51	22s58	0s 5	14n45	1s49	24s13	13s45	17s38	17s18	4s 8	12n16	6s54
F 2	22 26	16 11	0 38	22 56	0 31	14 28	1 30	19 42	4 7	17 22	0 47	19 56	0 51	22 59	0 5	14 45	1 49	24 12	13 45	17 38	17 17	4 6	12 16	6 54
S 3	22 18	18 38	0s31	23 7	0 23	14 1	1 28	19 49	4 9	17 22	0 47	19 57	0 51	22 59	0 5	14 45	1 49	24 11	13 45	17 38	17 16	4 4	12 17	6 54
S 4	22 10	20 10	1 41	23 18	0 14	13 34	1 26	19 55	4 11	17 22	0 47	19 58	0 51	22 59	0 5	14 45	1 49	24 11	13 45	17 38	17 15	4 1	12 18	6 55
M 5	22 1	20 34	2 46	23 27	0 6	13 7	1 23	20 2	4 13	17 22	0 46	20 0	0 52	23 0	0 5	14 44	1 49	24 10	13 45	17 37	17 15	3 59	12 19	6 55
T 6	21 51	19 41	3 44	23 36	0s 2	12 39	1 21	20 9	4 15	17 22	0 46	20 1	0 52	23 0	0 5	14 44	1 49	24 10	13 44	17 35	17 14	3 57	12 19	6 55
W 7	21 42	17 29	4 28	23 43	0 10	12 11	1 19	20 16	4 17	17 22	0 46	20 2	0 52	23 0	0 5	14 44	1 49	24 9	13 44	17 32	17 13	3 55	12 20	6 55
T 8	21 31	14 7	4 55	23 50	0 18	11 43	1 16	20 23	4 18	17 22	0 45	20 4	0 52	23 1	0 5	14 44	1 49	24 8	13 44	17 30	17 12	3 53	12 21	6 55
F 9	21 21	9 49	5 2	23 55	0 25	11 15	1 14	20 30	4 20	17 22	0 45	20 5	0 52	23 1	0 5	14 44	1 49	24 8	13 44	17 27	17 11	3 50	12 22	6 56
S 10	21 10	4 56	4 49	23 59	0 33	10 46	1 11	20 38	4 22	17 22	0 45	20 6	0 52	23 1	0 5	14 44	1 49	24 7	13 44	17 24	17 10	3 48	12 23	6 56
S 11	20 58	0s11	4 17	24 2	0 40	10 17	1 8	20 45	4 23	17 23	0 45	20 7	0 52	23 2	0 5	14 44	1 49	24 6	13 44	17 22	17 9	3 46	12 24	6 56
M12	20 47	5 12	3 28	24 4	0 47	9 47	1 5	20 52	4 24	17 23	0 44	20 9	0 52	23 2	0 5	14 44	1 48	24 6	13 43	17 21	17 8	3 44	12 25	6 56
T 13	20 34	9 49	2 28	24 4	0 53	9 18	1 2	21 0	4 26	17 23	0 44	20 10	0 52	23 2	0 5	14 44	1 48	24 5	13 43	17 20	17 7	3 42	12 26	6 56
W14	20 22	13 49	1 20	24 4	1 0	8 48	0 59	21 7	4 27	17 24	0 44	20 11	0 53	23 3	0 5	14 44	1 48	24 4	13 43	17 20	17 6	3 39	12 27	6 56
T 15	20 9	16 59	0 10	24 2	1 6	8 18	0 56	21 15	4 28	17 24	0 44	20 12	0 53	23 3	0 5	14 44	1 48	24 4	13 43	17 20	17 6	3 37	12 28	6 56
F 16	19 55	19 11	1n 0	23 58	1 12	7 48	0 53	21 22	4 29	17 25	0 43	20 14	0 53	23 3	0 5	14 44	1 48	24 3	13 43	17 20	17 5	3 35	12 29	6 56
S 17	19 42	20 21	2 5	23 53	1 18	7 18	0 50	21 30	4 30	17 25	0 43	20 15	0 53	23 3	0 5	14 44	1 48	24 2	13 43	17 20	17 4	3 33	12 30	6 56
S 18	19 28	20 26	3 2	23 47	1 23	6 47	0 46	21 37	4 31	17 26	0 43	20 16	0 53	23 4	0 5	14 44	1 48	24 2	13 43	17 18	17 3	3 31	12 31	6 56
M19	19 13	19 30	3 50	23 40	1 28	6 16	0 43	21 45	4 32	17 27	0 43	20 17	0 53	23 4	0 5	14 44	1 48	24 1	13 42	17 16	17 2	3 28	12 32	6 56
T 20	18 58	17 40	4 26	23 30	1 33	5 46	0 39	21 52	4 32	17 27	0 42	20 19	0 53	23 4	0 5	14 44	1 48	24 0	13 42	17 13	17 1	3 26	12 33	6 56
W21	18 43	15 2	4 49	23 20	1 37	5 15	0 36	21 59	4 33	17 28	0 42	20 20	0 53	23 4	0 5	14 44	1 48	24 0	13 42	17 9	17 0	3 24	12 34	6 56
T 22	18 28	11 48	4 59	23 8	1 42	4 44	0 32	22 6	4 33	17 29	0 42	20 21	0 53	23 5	0 5	14 44	1 48	23 59	13 42	17 5	16 59	3 22	12 35	6 56
F 23	18 12	8 8	4 56	22 55	1 45	4 13	0 29	22 13	4 34	17 30	0 42	20 22	0 54	23 5	0 5	14 45	1 48	23 59	13 42	17 1	16 58	3 20	12 36	6 56
S 24	17 56	4 10	4 39	22 40	1 49	3 41	0 25	22 20	4 34	17 31	0 41	20 24	0 54	23 5	0 5	14 45	1 48	23 58	13 42	16 57	16 57	3 17	12 37	6 56
S 25	17 40	0 4	4 11	22 23	1 52	3 10	0 21	22 27	4 34	17 32	0 41	20 25	0 54	23 5	0 5	14 45	1 48	23 57	13 42	16 54	16 57	3 15	12 38	6 56
M26	17 23	4n 2	3 31	22 5	1 55	2 39	0 17	22 33	4 34	17 33	0 41	20 26	0 54	23 6	0 5	14 45	1 48	23 57	13 42	16 51	16 56	3 13	12 39	6 56
T 27	17 6	7 59	2 43	21 46	1 58	2 7	0 13	22 39	4 34	17 34	0 41	20 27	0 54	23 6	0 5	14 45	1 48	23 56	13 42	16 50	16 55	3 11	12 40	6 56
W28	16 49	11 40	1 46	21 25	2 0	1 36	0 9	22 45	4 33	17 35	0 40	20 28	0 54	23 6	0 5	14 45	1 47	23 55	13 42	16 49	16 54	3 9	12 41	6 56
T 29	16 31	14 56	0 44	21 2	2 2	1 4	0 5	22 51	4 33	17 36	0 40	20 30	0 54	23 6	0 5	14 45	1 47	23 55	13 42	16 49	16 53	3 6	12 42	6 56
F 30	16 13	17 35	0s21	20 38	2 3	0 33	0 1	22 57	4 32	17 38	0 40	20 31	0 54	23 7	0 5	14 45	1 47	23 54	13 42	16 49	16 52	3 4	12 44	6 56
S 31	15s55	19n28	1s28	20s12	2s 4	0s 2	0n 4	23n 2	4n32	17n39	0s40	20n32	0n54	23s 7	0s 5	14n46	1s47	23s53	13s42	16s49	16s51	3s 2	12n45	6s55

Julian Day Number = 2109683.5, Delta T = 19m47s
Ecliptic obliquity = 23°33'32, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°41'34, Lahiri = 10°48'34 Julian Calendar 1 Jan. 1064 == Greg. Calendar 7 Jan. 1064

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1064
geocentric

FEBRUARY 1064 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 4 42	17♒40'55	16♊24	10♒20	0♈57	6°R27	21♉48	2°R38	18♐12	15♉11	1♓ 4	16°R19	16♏26	11♓26	3°R21	S 1
M 2	9 8 38	18°41'20	0♋ 7	12° 4	2° 5	6♌ 5	21°52	2♌33	18°15	15°12	1° 6	16♏14	16°23	11°33	3♌17	M 2
T 3	9 12 35	19°41'44	14°20	13°50	3°14	5°43	21°56	2°28	18°17	15°12	1° 7	16° 7	16°20	11°39	3°13	T 3
W 4	9 16 32	20°42'05	29° 1	15°37	4°22	5°21	22° 1	2°24	18°19	15°13	1° 9	15°57	16°17	11°46	3° 9	W 4
T 5	9 20 28	21°42'25	14♌ 5	17°24	5°30	5° 0	22° 6	2°19	18°21	15°13	1°10	15°46	16°14	11°53	3° 4	T 5
F 6	9 24 25	22°42'42	29°20	19°13	6°38	4°40	22°11	2°15	18°23	15°14	1°12	15°34	16°11	12° 0	3° 0	F 6
S 7	9 28 21	23°42'58	14♍37	21° 3	7°45	4°20	22°17	2°11	18°25	15°14	1°14	15°24	16° 7	12° 6	2°56	S 7
S 8	9 32 18	24°43'12	29°43	22°53	8°53	4° 0	22°22	2° 6	18°27	15°15	1°15	15°16	16° 4	12°13	2°52	S 8
M 9	9 36 14	25°43'25	14♎31	24°45	10° 0	3°41	22°28	2° 2	18°29	15°16	1°17	15°10	16° 1	12°20	2°48	M 9
T 10	9 40 11	26°43'36	28°54	26°37	11° 7	3°23	22°33	1°58	18°31	15°16	1°18	15° 7	15°58	12°26	2°44	T 10
W11	9 44 7	27°43'45	12♏51	28°30	12°14	3° 6	22°39	1°54	18°33	15°17	1°20	15°D 7	15°55	12°33	2°40	W11
T 12	9 48 4	28°43'53	26°22	0♓24	13°21	2°49	22°45	1°49	18°35	15°18	1°22	15°R 7	15°51	12°40	2°36	T 12
F 13	9 52 1	29°44'00	9♐29	2°19	14°27	2°33	22°52	1°45	18°36	15°19	1°23	15° 6	15°48	12°46	2°33	F 13
S 14	9 55 57	0♓44'04	22°17	4°15	15°33	2°17	22°58	1°41	18°38	15°20	1°25	15° 5	15°45	12°53	2°29	S 14
S 15	9 59 54	1°44'08	4♑50	6°11	16°39	2° 2	23° 5	1°38	18°40	15°20	1°26	15° 0	15°42	13° 0	2°25	S 15
M16	10 3 50	2°44'09	17° 9	8° 8	17°45	1°48	23°11	1°34	18°41	15°21	1°28	14°53	15°39	13° 7	2°22	M16
T 17	10 7 47	3°44'09	29°19	10° 5	18°50	1°35	23°18	1°30	18°43	15°22	1°30	14°43	15°36	13°13	2°18	T 17
W18	10 11 43	4°44'06	11♒23	12° 2	19°55	1°22	23°25	1°26	18°44	15°23	1°31	14°31	15°32	13°20	2°14	W18
T 19	10 15 40	5°44'02	23°20	13°59	21° 0	1°10	23°32	1°23	18°46	15°24	1°33	14°18	15°29	13°27	2°11	T 19
F 20	10 19 36	6°43'56	5♓14	15°56	22° 5	0°59	23°40	1°19	18°47	15°25	1°34	14° 4	15°26	13°33	2° 8	F 20
S 21	10 23 33	7°43'48	17° 5	17°52	23° 9	0°49	23°47	1°16	18°49	15°26	1°36	13°52	15°23	13°40	2° 4	S 21
S 22	10 27 30	8°43'38	28°56	19°48	24°13	0°40	23°55	1°12	18°50	15°27	1°38	13°42	15°20	13°47	2° 1	S 22
M23	10 31 26	9°43'26	10♈46	21°42	25°17	0°31	24° 3	1° 9	18°51	15°28	1°39	13°34	15°16	13°54	1°58	M23
T 24	10 35 23	10°43'11	22°41	23°34	26°20	0°23	24°11	1° 6	18°52	15°30	1°41	13°29	15°13	14° 0	1°55	T 24
W25	10 39 19	11°42'55	4♉41	25°24	27°23	0°16	24°19	1° 3	18°53	15°31	1°42	13°27	15°10	14° 7	1°52	W25
T 26	10 43 16	12°42'36	16°51	27°12	28°26	0°10	24°27	1° 0	18°55	15°32	1°44	13°D27	15° 7	14°14	1°49	T 26
F 27	10 47 12	13°42'15	29°16	28°57	29°28	0° 4	24°35	0°57	18°56	15°33	1°46	13°27	15° 4	14°20	1°46	F 27
S 28	10 51 9	14°41'52	12♊ 0	0♈39	0♉30	29♋59	24°44	0°54	18°57	15°35	1°47	13°R28	15° 1	14°27	1°44	S 28
S 29	10 55 5	15♓41'26	25♊ 7	2♈16	1♉32	29♋56	24♉52	0♌51	18♐58	15♉36	1♓49	13♏28	14♏57	14♓34	1♌41	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s37	20n21	2s32	19s45	2s 5	0n30	0n 8	23n 8	4n31	17n40	0s39	20n33	0n54	23s 7	0s 5	14n46	1s47	23s53	13s41	16s48	16s50	3s 0	12n46	6s55
M 2	15 18	20 4	3 29	19 16	2 5	1 1	0 12	23 13	4 30	17 42	0 39	20 34	0 54	23 7	0 5	14 46	1 47	23 52	13 41	16 47	16 49	2 58	12 47	6 55
T 3	14 59	18 32	4 16	18 45	2 5	1 33	0 17	23 17	4 30	17 43	0 39	20 35	0 54	23 7	0 5	14 46	1 47	23 52	13 41	16 45	16 48	2 55	12 48	6 55
W 4	14 40	15 46	4 48	18 13	2 4	2 4	0 21	23 22	4 29	17 44	0 39	20 36	0 54	23 8	0 5	14 46	1 47	23 51	13 41	16 42	16 47	2 53	12 49	6 55
T 5	14 20	11 54	5 0	17 39	2 3	2 35	0 26	23 26	4 28	17 46	0 38	20 38	0 55	23 8	0 5	14 47	1 47	23 50	13 41	16 38	16 47	2 51	12 51	6 54
F 6	14 1	7 12	4 52	17 3	2 1	3 6	0 30	23 30	4 26	17 47	0 38	20 39	0 55	23 8	0 5	14 47	1 47	23 50	13 41	16 35	16 46	2 49	12 52	6 54
S 7	13 41	2 3	4 23	16 26	1 59	3 38	0 35	23 34	4 25	17 49	0 38	20 40	0 55	23 8	0 5	14 47	1 47	23 49	13 41	16 32	16 45	2 47	12 53	6 54
S 8	13 21	3s11	3 35	15 47	1 57	4 9	0 40	23 37	4 24	17 51	0 38	20 41	0 55	23 8	0 5	14 47	1 47	23 48	13 41	16 30	16 44	2 44	12 54	6 54
M 9	13 1	8 7	2 34	15 7	1 53	4 40	0 44	23 40	4 22	17 52	0 38	20 42	0 55	23 9	0 5	14 48	1 47	23 48	13 41	16 28	16 43	2 42	12 55	6 53
T 10	12 40	12 27	1 25	14 25	1 50	5 10	0 49	23 43	4 21	17 54	0 37	20 43	0 55	23 9	0 5	14 48	1 47	23 47	13 41	16 27	16 42	2 40	12 56	6 53
W11	12 19	15 58	0 12	13 42	1 45	5 41	0 54	23 46	4 19	17 56	0 37	20 44	0 55	23 9	0 5	14 48	1 47	23 47	13 41	16 27	16 41	2 38	12 58	6 53
T 12	11 58	18 29	0n59	12 57	1 41	6 12	0 59	23 48	4 18	17 58	0 37	20 45	0 55	23 9	0 5	14 48	1 46	23 46	13 41	16 27	16 40	2 36	12 59	6 52
F 13	11 37	19 55	2 5	12 11	1 35	6 42	1 4	23 51	4 16	17 59	0 37	20 46	0 55	23 9	0 5	14 49	1 46	23 46	13 41	16 27	16 39	2 34	13 0	6 52
S 14	11 16	20 17	3 3	11 23	1 29	7 12	1 9	23 53	4 14	18 1	0 36	20 47	0 55	23 9	0 5	14 49	1 46	23 45	13 41	16 26	16 38	2 31	13 1	6 52
S 15	10 55	19 37	3 51	10 34	1 23	7 42	1 13	23 54	4 13	18 3	0 36	20 48	0 55	23 10	0 5	14 49	1 46	23 44	13 41	16 25	16 37	2 29	13 2	6 51
M16	10 33	18 2	4 27	9 44	1 15	8 12	1 18	23 56	4 11	18 5	0 36	20 48	0 55	23 10	0 5	14 50	1 46	23 44	13 41	16 23	16 36	2 27	13 4	6 51
T 17	10 11	15 39	4 51	8 52	1 8	8 42	1 23	23 57	4 9	18 7	0 36	20 49	0 55	23 10	0 5	14 50	1 46	23 43	13 41	16 20	16 35	2 25	13 5	6 50
W18	9 49	12 38	5 1	8 0	0 59	9 11	1 28	23 58	4 7	18 9	0 36	20 50	0 55	23 10	0 5	14 50	1 46	23 43	13 41	16 16	16 35	2 23	13 6	6 50
T 19	9 27	9 7	4 58	7 6	0 50	9 41	1 33	23 59	4 5	18 11	0 35	20 51	0 55	23 10	0 5	14 51	1 46	23 42	13 41	16 13	16 34	2 20	13 7	6 50
F 20	9 5	5 16	4 41	6 12	0 41	10 10	1 39	23 59	4 3	18 13	0 35	20 52	0 55	23 10	0 5	14 51	1 46	23 42	13 42	16 9	16 33	2 18	13 8	6 49
S 21	8 43	1 14	4 13	5 17	0 31	10 39	1 44	23 59	4 1	18 15	0 35	20 53	0 55	23 10	0 5	14 51	1 46	23 41	13 42	16 5	16 32	2 16	13 9	6 49
S 22	8 20	2n50	3 34	4 22	0 20	11 7	1 49	23 59	3 59	18 17	0 35	20 53	0 55	23 11	0 5	14 52	1 46	23 41	13 42	16 2	16 31	2 14	13 10	6 48
M23	7 58	6 49	2 45	3 27	0 9	11 35	1 54	23 59	3 57	18 19	0 35	20 54	0 55	23 11	0 5	14 52	1 46	23 40	13 42	15 59	16 30	2 12	13 12	6 48
T 24	7 35	10 32	1 49	2 31	0n 3	12 3	1 59	23 59	3 54	18 21	0 34	20 55	0 55	23 11	0 5	14 53	1 46	23 39	13 42	15 58	16 29	2 10	13 13	6 47
W25	7 12	13 53	0 47	1 36	0 15	12 31	2 4	23 58	3 52	18 24	0 34	20 56	0 55	23 11	0 5	14 53	1 46	23 39	13 42	15 57	16 28	2 7	13 14	6 47
T 26	6 49	16 40	0s18	0 42	0 27	12 59	2 9	23 58	3 50	18 26	0 34	20 56	0 55	23 11	0 5	14 53	1 46	23 38	13 42	15 57	16 27	2 5	13 15	6 46
F 27	6 26	18 44	1 24	0n11	0 40	13 26	2 14	23 57	3 48	18 28	0 34	20 57	0 56	23 11	0 5	14 54	1 46	23 38	13 42	15 57	16 26	2 3	13 16	6 46
S 28	6 3	19 55	2 27	1 4	0 52	13 53	2 19	23 56	3 46	18 30	0 33	20 58	0 56	23 11	0 5	14 54	1 46	23 37	13 42	15 58	16 25	2 1	13 17	6 45
S 29	5s40	20n 4	3s24	1n54	1n 5	14n19	2n24	23n54	3n43	18n32	0s33	20n58	0n56	23s11	0s 5	14n55	1s45	23s37	13s42	15s57	16s24	1s59	13n18	6s45

Julian Day Number = 2109714.5, Delta T = 19m47s
Ecliptic obliquity = 23°33'32, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°41'38, Lahiri = 10°48'39 Julian Calendar 1 Feb. 1064 == Greg. Calendar 7 Feb. 1064

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1064
geocentric

MARCH 1064 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 59 2	16♓40'58	8♋41	3♈50	2♉33	29°R52	25♉ 1	0°R48	18♐58	15♉37	1♓50	13°R25	14♏54	14♓40	1°R39	M 1
T 2	11 2 59	17°40'27	22°45	5°18	3°34	29♋50	25°10	0♌46	18°59	15°39	1°52	13♏21	14°51	14°47	1♌36	T 2
W 3	11 6 55	18°39'55	7♌16	6°41	4°35	29°48	25°19	0°43	19° 0	15°40	1°53	13°15	14°48	14°54	1°34	W 3
T 4	11 10 52	19°39'19	22°13	7°59	5°35	29°48	25°28	0°41	19° 1	15°41	1°55	13° 7	14°45	15° 1	1°32	T 4
F 5	11 14 48	20°38'42	7♍26	9°10	6°35	29°D48	25°37	0°39	19° 2	15°43	1°57	12°59	14°42	15° 7	1°29	F 5
S 6	11 18 45	21°38'02	22°45	10°16	7°34	29°48	25°46	0°37	19° 2	15°44	1°58	12°51	14°38	15°14	1°27	S 6
S 7	11 22 41	22°37'21	7♎59	11°15	8°33	29°49	25°56	0°34	19° 3	15°46	2° 0	12°45	14°35	15°21	1°25	S 7
M 8	11 26 38	23°36'37	22°59	12° 7	9°31	29°51	26° 5	0°32	19° 3	15°47	2° 1	12°41	14°32	15°27	1°23	M 8
T 9	11 30 34	24°35'51	7♏36	12°52	10°29	29°54	26°15	0°31	19° 4	15°49	2° 3	12°D40	14°29	15°34	1°22	T 9
W10	11 34 31	25°35'04	21°45	13°30	11°26	29°58	26°25	0°29	19° 4	15°50	2° 4	12°40	14°26	15°41	1°20	W10
T 11	11 38 27	26°34'15	5♐27	14° 0	12°23	0♌ 2	26°35	0°27	19° 5	15°52	2° 6	12°41	14°22	15°47	1°18	T 11
F 12	11 42 24	27°33'24	18°42	14°24	13°19	0° 7	26°45	0°26	19° 5	15°53	2° 7	12°42	14°19	15°54	1°17	F 12
S 13	11 46 21	28°32'31	1♑33	14°40	14°15	0°12	26°55	0°24	19° 5	15°55	2° 9	12°R43	14°16	16° 1	1°15	S 13
S 14	11 50 17	29°31'36	14° 5	14°49	15°10	0°18	27° 5	0°23	19° 5	15°57	2°10	12°41	14°13	16° 8	1°14	S 14
M15	11 54 14	0♈30'40	26°21	14°R51	16° 5	0°25	27°15	0°21	19° 6	15°58	2°11	12°38	14°10	16°14	1°13	M15
T 16	11 58 10	1°29'42	8♒26	14°46	16°59	0°32	27°26	0°20	19° 6	16° 0	2°13	12°34	14° 7	16°21	1°12	T 16
W17	12 2 7	2°28'42	20°23	14°34	17°52	0°40	27°36	0°19	19° 6	16° 2	2°14	12°27	14° 3	16°28	1°11	W17
T 18	12 6 3	3°27'39	2♓16	14°16	18°45	0°49	27°47	0°18	19°R 6	16° 4	2°16	12°20	14° 0	16°34	1°10	T 18
F 19	12 10 0	4°26'35	14° 6	13°53	19°37	0°58	27°57	0°17	19° 6	16° 5	2°17	12°13	13°57	16°41	1° 9	F 19
S 20	12 13 56	5°25'29	25°57	13°24	20°29	1° 8	28° 8	0°17	19° 6	16° 7	2°19	12° 6	13°54	16°48	1° 8	S 20
S 21	12 17 53	6°24'21	7♈49	12°51	21°19	1°18	28°19	0°16	19° 6	16° 9	2°20	12° 0	13°51	16°55	1° 8	S 21
M22	12 21 50	7°23'11	19°45	12°14	22° 9	1°29	28°30	0°16	19° 5	16°11	2°21	11°56	13°47	17° 1	1° 7	M22
T 23	12 25 46	8°21'59	1♉47	11°34	22°58	1°40	28°41	0°15	19° 5	16°13	2°23	11°54	13°44	17° 8	1° 7	T 23
W24	12 29 43	9°20'45	13°56	10°52	23°47	1°52	28°52	0°15	19° 5	16°15	2°24	11°D54	13°41	17°15	1° 7	W24
T 25	12 33 39	10°19'29	26°16	10° 8	24°34	2° 5	29° 4	0°15	19° 4	16°16	2°25	11°54	13°38	17°21	1° 6	T 25
F 26	12 37 36	11°18'10	8♊48	9°24	25°21	2°18	29°15	0°D15	19° 4	16°18	2°27	11°56	13°35	17°28	1°D 6	F 26
S 27	12 41 32	12°16'49	21°37	8°40	26° 7	2°32	29°26	0°15	19° 4	16°20	2°28	11°58	13°32	17°35	1° 6	S 27
S 28	12 45 29	13°15'26	4♋45	7°57	26°52	2°46	29°38	0°15	19° 3	16°22	2°29	11°59	13°28	17°41	1° 7	S 28
M29	12 49 25	14°14'01	18°14	7°15	27°35	3° 0	29°49	0°15	19° 3	16°24	2°30	11°R59	13°25	17°48	1° 7	M29
T 30	12 53 22	15°12'34	2♌ 8	6°36	28°18	3°15	0♊ 1	0°15	19° 2	16°26	2°32	11°58	13°22	17°55	1° 7	T 30
W31	12 57 19	16♈11'04	16♌25	6♈ 1	29♉ 0	3♌31	0♊13	0♌16	19♐ 1	16♉28	2♓33	11♏56	13♏19	18♓ 1	1♌ 8	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s17	19n 5	4s12	2n43	1n18	14n45	2n30	23n53	3n41	18n35	0s33	20n59	0n56	23s11	0s 5	14n55	1s45	23s36	13s42	15s57	16s23	1s57	13n19	6s44
T 2	4 54	16 55	4 47	3 30	1 31	15 11	2 35	23 51	3 39	18 37	0 33	20 59	0 56	23 11	0 6	14 55	1 45	23 36	13 43	15 55	16 22	1 54	13 20	6 44
W 3	4 30	13 38	5 4	4 15	1 43	15 37	2 40	23 49	3 37	18 39	0 33	21 0	0 56	23 12	0 6	14 56	1 45	23 35	13 43	15 54	16 21	1 52	13 21	6 43
T 4	4 7	9 25	5 2	4 57	1 56	16 2	2 45	23 47	3 34	18 42	0 33	21 1	0 56	23 12	0 6	14 56	1 45	23 35	13 43	15 51	16 20	1 50	13 22	6 43
F 5	3 44	4 31	4 39	5 36	2 8	16 27	2 50	23 45	3 32	18 44	0 32	21 1	0 56	23 12	0 6	14 57	1 45	23 35	13 43	15 49	16 20	1 48	13 23	6 42
S 6	3 20	0s43	3 56	6 13	2 19	16 51	2 55	23 43	3 30	18 47	0 32	21 2	0 56	23 12	0 6	14 57	1 45	23 34	13 43	15 46	16 19	1 46	13 24	6 41
S 7	2 57	5 52	2 55	6 46	2 30	17 15	3 0	23 40	3 28	18 49	0 32	21 2	0 56	23 12	0 6	14 58	1 45	23 34	13 43	15 45	16 18	1 44	13 25	6 41
M 8	2 33	10 35	1 44	7 15	2 40	17 39	3 5	23 38	3 26	18 51	0 32	21 2	0 56	23 12	0 6	14 58	1 45	23 33	13 43	15 43	16 17	1 41	13 26	6 40
T 9	2 9	14 33	0 27	7 41	2 49	18 2	3 10	23 35	3 23	18 54	0 32	21 3	0 56	23 12	0 6	14 59	1 45	23 33	13 43	15 43	16 16	1 39	13 27	6 40
W10	1 46	17 30	0n49	8 4	2 57	18 25	3 14	23 32	3 21	18 56	0 31	21 3	0 56	23 12	0 6	14 59	1 45	23 32	13 44	15 43	16 15	1 37	13 28	6 39
T 11	1 22	19 21	2 0	8 22	3 4	18 47	3 19	23 29	3 19	18 59	0 31	21 4	0 56	23 12	0 6	15 0	1 45	23 32	13 44	15 43	16 14	1 35	13 29	6 38
F 12	0 59	20 3	3 2	8 37	3 10	19 9	3 24	23 26	3 17	19 1	0 31	21 4	0 56	23 12	0 6	15 0	1 45	23 32	13 44	15 44	16 13	1 33	13 30	6 38
S 13	0 35	19 40	3 53	8 48	3 15	19 31	3 29	23 22	3 14	19 4	0 31	21 4	0 56	23 12	0 6	15 1	1 45	23 31	13 44	15 44	16 12	1 31	13 31	6 37
S 14	0 11	18 18	4 32	8 55	3 18	19 52	3 33	23 19	3 12	19 6	0 31	21 5	0 56	23 12	0 6	15 1	1 45	23 31	13 44	15 43	16 11	1 28	13 32	6 37
M15	0n12	16 7	4 57	8 57	3 21	20 12	3 38	23 15	3 10	19 9	0 31	21 5	0 56	23 12	0 6	15 2	1 45	23 30	13 44	15 43	16 10	1 26	13 33	6 36
T 16	0 36	13 17	5 9	8 56	3 21	20 33	3 43	23 12	3 8	19 11	0 30	21 5	0 56	23 12	0 6	15 2	1 45	23 30	13 45	15 41	16 9	1 24	13 34	6 35
W17	0 59	9 55	5 6	8 51	3 20	20 52	3 47	23 8	3 6	19 14	0 30	21 5	0 56	23 12	0 6	15 3	1 45	23 30	13 45	15 39	16 8	1 22	13 34	6 35
T 18	1 23	6 11	4 51	8 41	3 18	21 12	3 52	23 4	3 4	19 17	0 30	21 6	0 56	23 12	0 6	15 3	1 45	23 29	13 45	15 37	16 7	1 20	13 35	6 34
F 19	1 46	2 14	4 23	8 29	3 14	21 30	3 56	23 0	3 1	19 19	0 30	21 6	0 56	23 12	0 6	15 4	1 45	23 29	13 45	15 35	16 6	1 18	13 36	6 33
S 20	2 10	1n48	3 44	8 12	3 8	21 49	4 0	22 55	2 59	19 22	0 30	21 6	0 56	23 12	0 6	15 5	1 44	23 29	13 45	15 33	16 5	1 15	13 37	6 33
S 21	2 33	5 48	2 55	7 53	3 1	22 6	4 4	22 51	2 57	19 24	0 29	21 6	0 56	23 12	0 6	15 5	1 44	23 28	13 46	15 31	16 4	1 13	13 38	6 32
M22	2 57	9 35	1 58	7 30	2 52	22 24	4 8	22 46	2 55	19 27	0 29	21 6	0 56	23 12	0 6	15 6	1 44	23 28	13 46	15 30	16 3	1 11	13 38	6 31
T 23	3 20	13 1	0 55	7 5	2 42	22 40	4 12	22 42	2 53	19 30	0 29	21 6	0 56	23 12	0 6	15 6	1 44	23 28	13 46	15 29	16 2	1 9	13 39	6 31
W24	3 43	15 55	0s11	6 37	2 30	22 56	4 16	22 37	2 51	19 32	0 29	21 6	0 56	23 12	0 6	15 7	1 44	23 27	13 46	15 29	16 2	1 7	13 40	6 30
T 25	4 6	18 9	1 18	6 8	2 18	23 12	4 20	22 32	2 49	19 35	0 29	21 6	0 56	23 12	0 6	15 7	1 44	23 27	13 46	15 29	16 1	1 5	13 41	6 29
F 26	4 30	19 32	2 22	5 38	2 4	23 27	4 24	22 27	2 47	19 37	0 29	21 6	0 56	23 12	0 6	15 8	1 44	23 27	13 47	15 29	16 0	1 2	13 41	6 29
S 27	4 53	19 57	3 21	5 7	1 49	23 42	4 27	22 22	2 45	19 40	0 29	21 6	0 56	23 12	0 6	15 9	1 44	23 27	13 47	15 30	15 59	1 0	13 42	6 28
S 28	5 16	19 18	4 10	4 36	1 34	23 56	4 31	22 17	2 43	19 43	0 28	21 6	0 56	23 12	0 6	15 9	1 44	23 26	13 47	15 30	15 58	0 58	13 43	6 27
M29	5 38	17 33	4 48	4 5	1 17	24 10	4 34	22 12	2 41	19 45	0 28	21 6	0 56	23 12	0 6	15 10	1 44	23 26	13 47	15 30	15 57	0 56	13 43	6 27
T 30	6 1	14 45	5 10	3 34	1 1	24 23	4 37	22 6	2 39	19 48	0 28	21 6	0 56	23 12	0 6	15 10	1 44	23 26	13 48	15 30	15 56	0 54	13 44	6 26
W31	6n24	11n 1	5s13	3n 5	0n44	24n35	4n40	22n 1	2n37	19n51	0s28	21n 6	0n56	23s12	0s 6	15n11	1s44	23s26	13s48	15s29	15s55	0s52	13n44	6s25

Julian Day Number = 2109743.5, Delta T = 19m47s
Ecliptic obliquity = 23°33'32, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°41'42, Lahiri = 10°48'43 Julian Calendar 1 March 1064 == Greg. Calendar 7 March 1064

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1064
geocentric

APRIL 1064 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 1 15	17♈ 9'32	1♍ 4	5°R28	29♉41	3♌47	0♊24	0♌16	19°R 1	16♉30	2♓34	11°R53	13♏16	18♓ 8	1♌ 8	T 1
F 2	13 5 12	18° 7'57	15°59	5♈ 0	0♊20	4° 3	0°36	0°17	19♐ 0	16°32	2°35	11♏50	13°13	18°15	1° 9	F 2
S 3	13 9 8	19° 6'21	1♎ 4	4°36	0°59	4°20	0°48	0°18	18°59	16°34	2°37	11°47	13° 9	18°22	1°10	S 3
S 4	13 13 5	20° 4'43	16° 8	4°17	1°36	4°37	1° 0	0°19	18°58	16°36	2°38	11°44	13° 6	18°28	1°11	S 4
M 5	13 17 1	21° 3'02	1♏ 3	4° 2	2°12	4°55	1°12	0°20	18°57	16°38	2°39	11°43	13° 3	18°35	1°12	M 5
T 6	13 20 58	22° 1'20	15°41	3°53	2°46	5°13	1°24	0°21	18°56	16°40	2°40	11°D43	13° 0	18°42	1°13	T 6
W 7	13 24 54	22°59'37	29°56	3°D48	3°20	5°32	1°37	0°22	18°56	16°42	2°41	11°44	12°57	18°48	1°14	W 7
T 8	13 28 51	23°57'51	13♐46	3°48	3°51	5°50	1°49	0°23	18°54	16°44	2°42	11°45	12°53	18°55	1°15	T 8
F 9	13 32 47	24°56'04	27° 9	3°54	4°22	6°10	2° 1	0°25	18°53	16°47	2°43	11°46	12°50	19° 2	1°17	F 9
S 10	13 36 44	25°54'16	10♑ 7	4° 4	4°51	6°29	2°14	0°26	18°52	16°49	2°44	11°47	12°47	19° 8	1°18	S 10
S 11	13 40 41	26°52'26	22°43	4°18	5°18	6°49	2°26	0°28	18°51	16°51	2°46	11°R48	12°44	19°15	1°20	S 11
M12	13 44 37	27°50'35	5♒ 2	4°38	5°43	7°10	2°39	0°30	18°50	16°53	2°47	11°48	12°41	19°22	1°21	M12
T 13	13 48 34	28°48'42	17° 7	5° 1	6° 7	7°30	2°51	0°32	18°49	16°55	2°48	11°47	12°38	19°29	1°23	T 13
W14	13 52 30	29°46'47	29° 3	5°30	6°30	7°51	3° 4	0°34	18°47	16°57	2°49	11°46	12°34	19°35	1°25	W14
T 15	13 56 27	0♉44'51	10♓54	6° 2	6°50	8°13	3°16	0°36	18°46	16°59	2°50	11°44	12°31	19°42	1°27	T 15
F 16	14 0 23	1°42'54	22°44	6°38	7° 8	8°35	3°29	0°38	18°45	17° 2	2°50	11°43	12°28	19°49	1°29	F 16
S 17	14 4 20	2°40'55	4♈36	7°18	7°25	8°57	3°42	0°40	18°43	17° 4	2°51	11°41	12°25	19°55	1°31	S 17
S 18	14 8 16	3°38'54	16°33	8° 2	7°40	9°19	3°55	0°42	18°42	17° 6	2°52	11°40	12°22	20° 2	1°34	S 18
M19	14 12 13	4°36'52	28°37	8°49	7°52	9°42	4° 8	0°45	18°40	17° 8	2°53	11°40	12°19	20° 9	1°36	M19
T 20	14 16 10	5°34'49	10♉50	9°40	8° 3	10° 5	4°20	0°47	18°39	17°10	2°54	11°D40	12°15	20°15	1°39	T 20
W21	14 20 6	6°32'44	23°14	10°34	8°11	10°28	4°33	0°50	18°37	17°13	2°55	11°40	12°12	20°22	1°41	W21
T 22	14 24 3	7°30'37	5♊50	11°31	8°17	10°52	4°46	0°53	18°36	17°15	2°56	11°40	12° 9	20°29	1°44	T 22
F 23	14 27 59	8°28'29	18°39	12°32	8°21	11°16	4°59	0°56	18°34	17°17	2°57	11°40	12° 6	20°35	1°47	F 23
S 24	14 31 56	9°26'19	1♋43	13°35	8°R22	11°40	5°13	0°58	18°32	17°19	2°57	11°41	12° 3	20°42	1°50	S 24
S 25	14 35 52	10°24'07	15° 1	14°41	8°22	12° 4	5°26	1° 1	18°31	17°22	2°58	11°41	11°59	20°49	1°53	S 25
M26	14 39 49	11°21'54	28°36	15°50	8°18	12°29	5°39	1° 5	18°29	17°24	2°59	11°41	11°56	20°56	1°56	M26
T 27	14 43 45	12°19'38	12♌28	17° 2	8°13	12°54	5°52	1° 8	18°27	17°26	3° 0	11°41	11°53	21° 2	1°59	T 27
W28	14 47 42	13°17'21	26°35	18°16	8° 5	13°19	6° 5	1°11	18°25	17°28	3° 0	11°41	11°50	21° 9	2° 2	W28
T 29	14 51 39	14°15'03	10♍57	19°33	7°54	13°45	6°19	1°15	18°23	17°31	3° 1	11°41	11°47	21°16	2° 5	T 29
F 30	14 55 35	15♉12'42	25♍30	20♈53	7♊41	14♌11	6♊32	1♌18	18♐22	17♉33	3♓ 2	11♏41	11♏44	21♓22	2♌ 9	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n46	6n31	4s57	2n36	0n28	24n47	4n43	21n55	2n35	19n53	0s28	21n 6	0n56	23s12	0s 6	15n12	1s44	23s25	13s48	15s29	15s54	0s50	13n45	6s25
F 2	7 9	1 33	4 20	2 10	0 11	24 58	4 45	21 49	2 33	19 56	0 28	21 6	0 56	23 12	0 6	15 12	1 44	23 25	13 48	15 28	15 53	0 47	13 45	6 24
S 3	7 31	3s34	3 26	1 46	0s 5	25 9	4 48	21 43	2 31	19 58	0 27	21 6	0 56	23 12	0 6	15 13	1 44	23 25	13 49	15 27	15 52	0 45	13 46	6 23
S 4	7 53	8 28	2 16	1 23	0 21	25 19	4 50	21 37	2 30	20 1	0 27	21 5	0 56	23 12	0 6	15 13	1 44	23 25	13 49	15 26	15 51	0 43	13 46	6 23
M 5	8 15	12 49	0 59	1 3	0 37	25 29	4 52	21 31	2 28	20 4	0 27	21 5	0 56	23 12	0 6	15 14	1 44	23 25	13 49	15 26	15 50	0 41	13 47	6 22
T 6	8 37	16 16	0n22	0 46	0 51	25 37	4 54	21 25	2 26	20 6	0 27	21 5	0 56	23 12	0 6	15 15	1 44	23 24	13 50	15 25	15 49	0 39	13 47	6 21
W 7	8 59	18 38	1 39	0 31	1 6	25 46	4 56	21 19	2 24	20 9	0 27	21 5	0 56	23 12	0 6	15 15	1 44	23 24	13 50	15 26	15 48	0 37	13 48	6 20
T 8	9 21	19 47	2 48	0 19	1 19	25 54	4 57	21 12	2 22	20 12	0 27	21 4	0 56	23 12	0 6	15 16	1 44	23 24	13 50	15 26	15 47	0 35	13 48	6 20
F 9	9 42	19 46	3 45	0 9	1 32	26 1	4 59	21 6	2 21	20 14	0 27	21 4	0 56	23 12	0 6	15 16	1 44	23 24	13 50	15 26	15 46	0 32	13 48	6 19
S 10	10 3	18 42	4 29	0 2	1 44	26 7	5 0	20 59	2 19	20 17	0 26	21 4	0 56	23 11	0 6	15 17	1 44	23 24	13 51	15 27	15 45	0 30	13 49	6 18
S 11	10 25	16 43	4 59	0s 2	1 55	26 13	5 1	20 52	2 17	20 19	0 26	21 3	0 56	23 11	0 6	15 18	1 44	23 24	13 51	15 27	15 44	0 28	13 49	6 18
M12	10 46	14 1	5 14	0 4	2 6	26 18	5 1	20 45	2 15	20 22	0 26	21 3	0 56	23 11	0 6	15 18	1 44	23 24	13 51	15 27	15 43	0 26	13 49	6 17
T 13	11 6	10 47	5 15	0 4	2 15	26 23	5 1	20 38	2 14	20 25	0 26	21 3	0 56	23 11	0 6	15 19	1 44	23 23	13 52	15 27	15 42	0 24	13 50	6 16
W14	11 27	7 9	5 2	0 0	2 24	26 27	5 1	20 31	2 12	20 27	0 26	21 2	0 56	23 11	0 6	15 20	1 44	23 23	13 52	15 26	15 41	0 22	13 50	6 16
T 15	11 47	3 15	4 37	0n 5	2 32	26 30	5 1	20 24	2 10	20 30	0 26	21 2	0 56	23 11	0 6	15 20	1 44	23 23	13 52	15 26	15 40	0 20	13 50	6 15
F 16	12 8	0n46	3 59	0 13	2 39	26 32	5 0	20 17	2 9	20 32	0 26	21 1	0 56	23 11	0 6	15 21	1 44	23 23	13 52	15 25	15 39	0 17	13 50	6 14
S 17	12 28	4 46	3 11	0 23	2 45	26 34	4 59	20 9	2 7	20 35	0 25	21 1	0 56	23 11	0 6	15 22	1 44	23 23	13 53	15 25	15 38	0 15	13 51	6 14
S 18	12 48	8 37	2 15	0 35	2 51	26 35	4 57	20 2	2 5	20 37	0 25	21 0	0 56	23 11	0 6	15 22	1 44	23 23	13 53	15 25	15 37	0 13	13 51	6 13
M19	13 7	12 9	1 12	0 50	2 55	26 35	4 56	19 54	2 4	20 40	0 25	21 0	0 56	23 11	0 6	15 23	1 44	23 23	13 53	15 24	15 36	0 11	13 51	6 12
T 20	13 27	15 13	0 5	1 6	2 59	26 35	4 53	19 46	2 2	20 42	0 25	20 59	0 55	23 10	0 6	15 23	1 44	23 23	13 54	15 24	15 35	0 9	13 51	6 12
W21	13 46	17 39	1s 4	1 24	3 3	26 34	4 51	19 38	2 1	20 45	0 25	20 58	0 55	23 10	0 6	15 24	1 44	23 23	13 54	15 24	15 34	0 7	13 51	6 11
T 22	14 5	19 15	2 10	1 45	3 5	26 32	4 48	19 30	1 59	20 47	0 25	20 58	0 55	23 10	0 6	15 25	1 44	23 23	13 54	15 25	15 33	0 5	13 51	6 10
F 23	14 24	19 54	3 11	2 6	3 7	26 29	4 44	19 22	1 57	20 50	0 25	20 57	0 55	23 10	0 6	15 25	1 44	23 23	13 55	15 25	15 33	0 3	13 51	6 10
S 24	14 43	19 29	4 4	2 30	3 8	26 25	4 40	19 14	1 56	20 52	0 25	20 57	0 55	23 10	0 6	15 26	1 44	23 23	13 55	15 25	15 32	0 0	13 51	6 9
S 25	15 1	18 0	4 44	2 55	3 8	26 21	4 36	19 5	1 54	20 55	0 24	20 56	0 55	23 10	0 6	15 27	1 44	23 23	13 55	15 25	15 31	0n 2	13 51	6 8
M26	15 19	15 30	5 9	3 22	3 8	26 15	4 31	18 57	1 53	20 57	0 24	20 55	0 55	23 10	0 6	15 27	1 44	23 23	13 56	15 25	15 30	0 4	13 51	6 8
T 27	15 37	12 4	5 17	3 51	3 7	26 9	4 26	18 48	1 51	21 0	0 24	20 54	0 55	23 9	0 6	15 28	1 43	23 23	13 56	15 25	15 29	0 6	13 51	6 7
W28	15 54	7 54	5 7	4 21	3 5	26 2	4 20	18 40	1 50	21 2	0 24	20 54	0 55	23 9	0 6	15 29	1 43	23 23	13 56	15 25	15 28	0 8	13 51	6 6
T 29	16 12	3 14	4 37	4 52	3 3	25 54	4 13	18 31	1 48	21 5	0 24	20 53	0 55	23 9	0 6	15 29	1 43	23 23	13 57	15 25	15 27	0 10	13 51	6 6
F 30	16n29	1s42	3s49	5n25	3s 0	25n45	4n 6	18n22	1n47	21n 7	0s24	20n52	0n55	23s 9	0s 6	15n30	1s43	23s23	13s57	15s25	15s26	0n12	13n51	6s 5

Julian Day Number = 2109774.5, Delta T = 19m47s
Ecliptic obliquity = 23°33'32, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°41'46, Lahiri = 10°48'47 Julian Calendar 1 Apr. 1064 == Greg. Calendar 7 Apr. 1064

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1064
geocentric

MAY 1064 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 59 32	16♉10'20	10♎10	22♈15	7°R26	14♌37	6♊45	1♌22	18°R20	17♉35	3♓ 2	11♏42	11♏40	21♓29	2♌12	S 1
S 2	15 3 28	17° 7'57	24°51	23°39	7♊ 8	15° 3	6°59	1°25	18♐18	17°37	3° 3	11°42	11°37	21°36	2°16	S 2
M 3	15 7 25	18° 5'32	9♏26	25° 6	6°48	15°29	7°12	1°29	18°16	17°40	3° 4	11°R42	11°34	21°42	2°20	M 3
T 4	15 11 21	19° 3'06	23°51	26°35	6°25	15°56	7°25	1°33	18°14	17°42	3° 4	11°42	11°31	21°49	2°24	T 4
W 5	15 15 18	20° 0'39	7♐59	28° 7	6° 1	16°23	7°39	1°37	18°12	17°44	3° 5	11°42	11°28	21°56	2°27	W 5
T 6	15 19 14	20°58'10	21°45	29°41	5°34	16°50	7°52	1°41	18°10	17°46	3° 5	11°41	11°24	22° 2	2°31	T 6
F 7	15 23 11	21°55'41	5♑10	1♉18	5° 5	17°18	8° 6	1°45	18° 8	17°49	3° 6	11°39	11°21	22° 9	2°35	F 7
S 8	15 27 8	22°53'11	18°11	2°57	4°35	17°45	8°19	1°49	18° 5	17°51	3° 6	11°38	11°18	22°16	2°40	S 8
S 9	15 31 4	23°50'40	0♒51	4°38	4° 3	18°13	8°33	1°53	18° 3	17°53	3° 7	11°37	11°15	22°23	2°44	S 9
M10	15 35 1	24°48'08	13°13	6°22	3°30	18°41	8°46	1°58	18° 1	17°55	3° 7	11°36	11°12	22°29	2°48	M10
T 11	15 38 57	25°45'35	25°20	8° 8	2°55	19° 9	9° 0	2° 2	17°59	17°57	3° 8	11°D36	11° 9	22°36	2°53	T 11
W12	15 42 54	26°43'01	7♓17	9°56	2°19	19°38	9°14	2° 7	17°57	18° 0	3° 8	11°36	11° 5	22°43	2°57	W12
T 13	15 46 50	27°40'27	19° 8	11°46	1°43	20° 6	9°27	2°11	17°54	18° 2	3° 8	11°37	11° 2	22°49	3° 2	T 13
F 14	15 50 47	28°37'51	0♈59	13°39	1° 5	20°35	9°41	2°16	17°52	18° 4	3° 9	11°38	10°59	22°56	3° 6	F 14
S 15	15 54 43	29°35'15	12°53	15°34	0°28	21° 4	9°55	2°21	17°50	18° 6	3° 9	11°40	10°56	23° 3	3°11	S 15
S 16	15 58 40	0♊32'39	24°55	17°32	29♉50	21°33	10° 8	2°26	17°48	18° 9	3° 9	11°41	10°53	23° 9	3°16	S 16
M17	16 2 37	1°30'01	7♉ 8	19°31	29°13	22° 3	10°22	2°30	17°45	18°11	3° 9	11°R42	10°50	23°16	3°21	M17
T 18	16 6 33	2°27'23	19°34	21°33	28°36	22°32	10°36	2°35	17°43	18°13	3°10	11°41	10°46	23°23	3°26	T 18
W19	16 10 30	3°24'45	2♊15	23°36	27°59	23° 2	10°49	2°41	17°41	18°15	3°10	11°40	10°43	23°29	3°31	W19
T 20	16 14 26	4°22'05	15°12	25°41	27°23	23°32	11° 3	2°46	17°38	18°17	3°10	11°38	10°40	23°36	3°36	T 20
F 21	16 18 23	5°19'25	28°23	27°48	26°48	24° 2	11°17	2°51	17°36	18°20	3°10	11°35	10°37	23°43	3°41	F 21
S 22	16 22 19	6°16'44	11♋50	29°56	26°15	24°32	11°31	2°56	17°34	18°22	3°10	11°31	10°34	23°50	3°46	S 22
S 23	16 26 16	7°14'02	25°29	2♊ 6	25°43	25° 3	11°44	3° 1	17°31	18°24	3°11	11°28	10°30	23°56	3°51	S 23
M24	16 30 12	8°11'19	9♌20	4°16	25°12	25°33	11°58	3° 7	17°29	18°26	3°11	11°25	10°27	24° 3	3°57	M24
T 25	16 34 9	9° 8'35	23°19	6°27	24°44	26° 4	12°12	3°12	17°26	18°28	3°11	11°23	10°24	24°10	4° 2	T 25
W26	16 38 6	10° 5'50	7♍26	8°39	24°17	26°35	12°26	3°18	17°24	18°30	3°11	11°D22	10°21	24°16	4° 8	W26
T 27	16 42 2	11° 3'05	21°38	10°51	23°52	27° 6	12°39	3°23	17°22	18°32	3°11	11°22	10°18	24°23	4°13	T 27
F 28	16 45 59	12° 0'18	5♎54	13° 2	23°29	27°37	12°53	3°29	17°19	18°35	3°R11	11°23	10°15	24°30	4°19	F 28
S 29	16 49 55	12°57'31	20°10	15°14	23° 9	28° 9	13° 7	3°35	17°17	18°37	3°11	11°25	10°11	24°36	4°25	S 29
S 30	16 53 52	13°54'43	4♏25	17°24	22°51	28°40	13°21	3°41	17°14	18°39	3°11	11°R26	10° 8	24°43	4°31	S 30
M31	16 57 48	14♊51'54	18♏34	19♊34	22♉35	29♌12	13♊34	3♌47	17♐12	18♉41	3♓11	11♏26	10♏ 5	24♓50	4♌36	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n46	6s35	2s46	5n58	2s56	25n35	3n59	18n13	1n46	21n 9	0s24	20n51	0n55	23s 9	0s 6	15n30	1s43	23s23	13s57	15s25	15s25	0n14	13n51	6s 5
S 2	17 2	11 6	1 32	6 34	2 52	25 24	3 51	18 4	1 44	21 12	0 24	20 51	0 55	23 9	0 6	15 31	1 43	23 23	13 58	15 25	15 24	0 17	13 50	6 4
M 3	17 18	14 54	0 13	7 10	2 48	25 12	3 42	17 54	1 43	21 14	0 23	20 50	0 55	23 9	0 6	15 32	1 43	23 23	13 58	15 25	15 23	0 19	13 50	6 3
T 4	17 34	17 45	1n 7	7 47	2 42	24 59	3 33	17 45	1 41	21 16	0 23	20 49	0 55	23 8	0 6	15 32	1 43	23 24	13 58	15 25	15 22	0 21	13 50	6 3
W 5	17 50	19 26	2 21	8 25	2 36	24 45	3 23	17 36	1 40	21 19	0 23	20 48	0 55	23 8	0 6	15 33	1 43	23 24	13 59	15 25	15 21	0 23	13 50	6 2
T 6	18 5	19 54	3 24	9 5	2 30	24 30	3 13	17 26	1 39	21 21	0 23	20 47	0 55	23 8	0 6	15 34	1 43	23 24	13 59	15 25	15 20	0 25	13 49	6 1
F 7	18 20	19 13	4 15	9 45	2 23	24 14	3 2	17 16	1 37	21 23	0 23	20 46	0 55	23 8	0 6	15 34	1 43	23 24	13 59	15 24	15 19	0 27	13 49	6 1
S 8	18 35	17 31	4 51	10 26	2 16	23 57	2 51	17 6	1 36	21 26	0 23	20 45	0 55	23 8	0 6	15 35	1 43	23 24	14 0	15 24	15 18	0 29	13 49	6 0
S 9	18 50	15 0	5 11	11 7	2 8	23 40	2 39	16 57	1 34	21 28	0 23	20 44	0 55	23 8	0 6	15 35	1 43	23 24	14 0	15 24	15 17	0 31	13 48	6 0
M10	19 4	11 53	5 16	11 49	2 0	23 21	2 27	16 47	1 33	21 30	0 23	20 43	0 55	23 7	0 6	15 36	1 43	23 24	14 1	15 23	15 16	0 33	13 48	5 59
T 11	19 18	8 19	5 8	12 32	1 51	23 2	2 14	16 36	1 32	21 32	0 23	20 42	0 55	23 7	0 6	15 37	1 43	23 25	14 1	15 23	15 15	0 36	13 48	5 58
W12	19 31	4 28	4 45	13 15	1 42	22 42	2 1	16 26	1 31	21 34	0 22	20 41	0 55	23 7	0 6	15 37	1 43	23 25	14 1	15 23	15 14	0 38	13 47	5 58
T 13	19 44	0 28	4 11	13 59	1 32	22 22	1 48	16 16	1 29	21 37	0 22	20 40	0 55	23 7	0 6	15 38	1 43	23 25	14 2	15 24	15 13	0 40	13 47	5 57
F 14	19 57	3n33	3 26	14 42	1 23	22 1	1 34	16 5	1 28	21 39	0 22	20 39	0 55	23 7	0 7	15 39	1 43	23 25	14 2	15 24	15 12	0 42	13 46	5 57
S 15	20 10	7 27	2 33	15 26	1 12	21 39	1 20	15 55	1 27	21 41	0 22	20 38	0 55	23 6	0 7	15 39	1 43	23 25	14 2	15 24	15 11	0 44	13 46	5 56
S 16	20 22	11 7	1 31	16 9	1 2	21 18	1 6	15 44	1 25	21 43	0 22	20 37	0 55	23 6	0 7	15 40	1 43	23 26	14 3	15 25	15 10	0 46	13 45	5 56
M17	20 34	14 22	0 25	16 52	0 51	20 56	0 52	15 33	1 24	21 45	0 22	20 36	0 55	23 6	0 7	15 40	1 43	23 26	14 3	15 25	15 9	0 48	13 45	5 55
T 18	20 45	17 1	0s43	17 35	0 41	20 34	0 38	15 22	1 23	21 47	0 22	20 35	0 55	23 6	0 7	15 41	1 44	23 26	14 3	15 25	15 8	0 50	13 44	5 55
W19	20 57	18 54	1 51	18 17	0 30	20 12	0 24	15 12	1 22	21 49	0 22	20 33	0 55	23 6	0 7	15 42	1 44	23 26	14 4	15 25	15 7	0 52	13 44	5 54
T 20	21 7	19 51	2 54	18 58	0 19	19 50	0 10	15 0	1 20	21 51	0 22	20 32	0 55	23 5	0 7	15 42	1 44	23 27	14 4	15 24	15 6	0 55	13 43	5 53
F 21	21 18	19 44	3 49	19 38	0 8	19 28	0s 4	14 49	1 19	21 53	0 22	20 31	0 55	23 5	0 7	15 43	1 44	23 27	14 5	15 23	15 5	0 57	13 42	5 53
S 22	21 28	18 30	4 33	20 17	0n 3	19 7	0 18	14 38	1 18	21 55	0 21	20 30	0 55	23 5	0 7	15 43	1 44	23 27	14 5	15 22	15 4	0 59	13 42	5 52
S 23	21 38	16 12	5 2	20 54	0 14	18 46	0 32	14 27	1 17	21 57	0 21	20 29	0 55	23 5	0 7	15 44	1 44	23 27	14 5	15 21	15 3	1 1	13 41	5 52
M24	21 47	12 58	5 13	21 30	0 24	18 26	0 45	14 15	1 16	21 59	0 21	20 27	0 55	23 5	0 7	15 44	1 44	23 28	14 6	15 20	15 2	1 3	13 40	5 51
T 25	21 56	8 59	5 7	22 3	0 34	18 6	0 58	14 3	1 14	22 1	0 21	20 26	0 55	23 4	0 7	15 45	1 44	23 28	14 6	15 19	15 1	1 5	13 39	5 51
W26	22 4	4 28	4 42	22 35	0 44	17 48	1 11	13 52	1 13	22 3	0 21	20 25	0 55	23 4	0 7	15 46	1 44	23 28	14 6	15 19	15 0	1 7	13 39	5 50
T 27	22 13	0s20	4 0	23 4	0 53	17 30	1 23	13 40	1 12	22 5	0 21	20 24	0 55	23 4	0 7	15 46	1 44	23 29	14 7	15 19	14 59	1 9	13 38	5 50
F 28	22 21	5 8	3 2	23 30	1 2	17 12	1 35	13 28	1 11	22 7	0 21	20 22	0 55	23 4	0 7	15 47	1 44	23 29	14 7	15 19	14 58	1 11	13 37	5 49
S 29	22 28	9 41	1 54	23 54	1 10	16 56	1 46	13 16	1 10	22 9	0 21	20 21	0 55	23 3	0 7	15 47	1 44	23 29	14 7	15 20	14 57	1 13	13 36	5 49
S 30	22 35	13 39	0 38	24 15	1 18	16 41	1 58	13 4	1 9	22 10	0 21	20 19	0 55	23 3	0 7	15 48	1 44	23 30	14 8	15 20	14 56	1 15	13 35	5 48
M31	22n42	16s49	0n39	24n34	1n25	16n26	2s 8	12n52	1n 7	22n12	0s21	20n18	0n55	23s 3	0s 7	15n48	1s44	23s30	14s 8	15s20	14s55	1n18	13n34	5s48

Julian Day Number = 2109804.5, Delta T = 19m46s
Ecliptic obliquity = 23°33'31, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°41'51, Lahiri = 10°48'51 Julian Calendar 1 May 1064 == Greg. Calendar 7 May 1064

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1064
geocentric

JUNE 1064 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 1 45	15♊49'05	2♐35	21♊43	22°R21	29♌44	13♊48	3♌52	17°R 9	18♉43	3°R11	11°R24	10♏ 2	24♓56	4♌42	T 1
W 2	17 5 41	16°46'15	16°24	23°50	22♉10	0♍16	14° 2	3°58	17♐ 7	18°45	3♓11	11♏21	9°59	25° 3	4°48	W 2
T 3	17 9 38	17°43'25	29°58	25°56	22° 1	0°48	14°16	4° 4	17° 5	18°47	3°10	11°16	9°56	25°10	4°54	T 3
F 4	17 13 35	18°40'35	13♎13	28° 1	21°55	1°20	14°29	4°11	17° 2	18°49	3°10	11°11	9°52	25°16	5° 0	F 4
S 5	17 17 31	19°37'45	26°10	0♋ 4	21°51	1°52	14°43	4°17	17° 0	18°51	3°10	11° 4	9°49	25°23	5° 7	S 5
S 6	17 21 28	20°34'54	8♒48	2° 4	21°D50	2°25	14°57	4°23	16°57	18°53	3°10	10°58	9°46	25°30	5°13	S 6
M 7	17 25 24	21°32'04	21°10	4° 3	21°50	2°58	15°10	4°29	16°55	18°55	3°10	10°53	9°43	25°36	5°19	M 7
T 8	17 29 21	22°29'13	3♓17	6° 1	21°53	3°30	15°24	4°35	16°52	18°57	3° 9	10°50	9°40	25°43	5°25	T 8
W 9	17 33 17	23°26'23	15°14	7°56	21°59	4° 3	15°38	4°42	16°50	18°59	3° 9	10°48	9°36	25°50	5°32	W 9
T 10	17 37 14	24°23'33	27° 6	9°49	22° 6	4°36	15°52	4°48	16°47	19° 1	3° 9	10°D47	9°33	25°57	5°38	T 10
F 11	17 41 10	25°20'42	8♈57	11°40	22°16	5°10	16° 5	4°55	16°45	19° 3	3° 9	10°48	9°30	26° 3	5°45	F 11
S 12	17 45 7	26°17'52	20°53	13°29	22°28	5°43	16°19	5° 1	16°43	19° 4	3° 8	10°49	9°27	26°10	5°51	S 12
S 13	17 49 4	27°15'03	2♉58	15°15	22°42	6°16	16°32	5° 8	16°40	19° 6	3° 8	10°51	9°24	26°17	5°58	S 13
M14	17 53 0	28°12'13	15°16	17° 0	22°58	6°50	16°46	5°14	16°38	19° 8	3° 8	10°R51	9°21	26°23	6° 4	M14
T 15	17 56 57	29° 9'24	27°52	18°43	23°15	7°24	17° 0	5°21	16°36	19°10	3° 7	10°49	9°17	26°30	6°11	T 15
W16	18 0 53	0♋ 6'35	10♊48	20°24	23°35	7°57	17°13	5°28	16°33	19°12	3° 7	10°46	9°14	26°37	6°18	W16
T 17	18 4 50	1° 3'47	24° 4	22° 2	23°56	8°31	17°27	5°34	16°31	19°14	3° 6	10°40	9°11	26°43	6°25	T 17
F 18	18 8 46	2° 0'58	7♋40	23°39	24°19	9° 5	17°40	5°41	16°28	19°15	3° 6	10°33	9° 8	26°50	6°31	F 18
S 19	18 12 43	2°58'10	21°33	25°13	24°44	9°40	17°54	5°48	16°26	19°17	3° 5	10°25	9° 5	26°57	6°38	S 19
S 20	18 16 40	3°55'22	5♌39	26°45	25°10	10°14	18° 7	5°55	16°24	19°19	3° 5	10°16	9° 2	27° 3	6°45	S 20
M21	18 20 36	4°52'34	19°53	28°15	25°38	10°48	18°21	6° 2	16°22	19°21	3° 4	10° 9	8°58	27°10	6°52	M21
T 22	18 24 33	5°49'46	4♍10	29°43	26° 7	11°23	18°34	6° 9	16°19	19°22	3° 4	10° 3	8°55	27°17	6°59	T 22
W23	18 28 29	6°46'58	18°27	1♌ 9	26°38	11°58	18°47	6°16	16°17	19°24	3° 3	10° 0	8°52	27°23	7° 6	W23
T 24	18 32 26	7°44'09	2♎41	2°33	27°10	12°32	19° 1	6°23	16°15	19°26	3° 3	9°D58	8°49	27°30	7°13	T 24
F 25	18 36 22	8°41'21	16°48	3°54	27°44	13° 7	19°14	6°30	16°13	19°27	3° 2	9°58	8°46	27°37	7°20	F 25
S 26	18 40 19	9°38'33	0♏49	5°13	28°18	13°42	19°27	6°37	16°10	19°29	3° 1	9°59	8°42	27°43	7°27	S 26
S 27	18 44 15	10°35'46	14°42	6°30	28°54	14°17	19°41	6°44	16° 8	19°30	3° 1	9°R59	8°39	27°50	7°35	S 27
M28	18 48 12	11°32'58	28°27	7°44	29°32	14°53	19°54	6°51	16° 6	19°32	3° 0	9°58	8°36	27°57	7°42	M28
T 29	18 52 9	12°30'11	12♐ 3	8°56	0♊10	15°28	20° 7	6°58	16° 4	19°33	2°59	9°54	8°33	28° 3	7°49	T 29
W30	18 56 5	13♋27'24	25♐28	10♌ 6	0♊49	16♍ 3	20♊20	7♌ 6	16♐ 2	19♉35	2♓59	9♏48	8♏30	28♓10	7♌56	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n48	18s56	1n53	24n49	1n31	16n13	2s18	12n39	1n 6	22n14	0s20	20n17	0n55	23s 3	0s 7	15n49	1s44	23s30	14s 9	15s20	14s54	1n20	13n33	5s48
W 2	22 54	19 53	2 59	25 2	1 37	16 1	2 28	12 27	1 5	22 16	0 20	20 15	0 55	23 3	0 7	15 49	1 44	23 31	14 9	15 19	14 53	1 22	13 32	5 47
T 3	22 59	19 40	3 54	25 12	1 42	15 50	2 37	12 15	1 4	22 17	0 20	20 14	0 55	23 2	0 7	15 50	1 44	23 31	14 9	15 17	14 52	1 24	13 31	5 47
F 4	23 4	18 21	4 34	25 19	1 46	15 40	2 46	12 2	1 3	22 19	0 20	20 12	0 55	23 2	0 7	15 51	1 44	23 32	14 10	15 15	14 51	1 26	13 30	5 46
S 5	23 9	16 7	5 0	25 23	1 50	15 31	2 54	11 49	1 2	22 21	0 20	20 11	0 56	23 2	0 7	15 51	1 44	23 32	14 10	15 13	14 50	1 28	13 29	5 46
S 6	23 13	13 10	5 10	25 25	1 53	15 23	3 2	11 37	1 1	22 22	0 20	20 10	0 56	23 2	0 7	15 52	1 44	23 32	14 10	15 12	14 49	1 30	13 28	5 45
M 7	23 17	9 42	5 5	25 24	1 55	15 16	3 10	11 24	1 0	22 24	0 20	20 8	0 56	23 1	0 7	15 52	1 44	23 33	14 11	15 10	14 48	1 32	13 27	5 45
T 8	23 21	5 54	4 47	25 21	1 56	15 10	3 17	11 11	0 59	22 26	0 20	20 7	0 56	23 1	0 7	15 53	1 44	23 33	14 11	15 9	14 47	1 34	13 26	5 44
W 9	23 24	1 55	4 16	25 16	1 57	15 5	3 23	10 58	0 58	22 27	0 20	20 5	0 56	23 1	0 7	15 53	1 44	23 34	14 11	15 8	14 46	1 36	13 25	5 44
T 10	23 26	2n 7	3 35	25 8	1 57	15 1	3 29	10 45	0 56	22 29	0 20	20 3	0 56	23 1	0 7	15 54	1 44	23 34	14 12	15 8	14 45	1 38	13 24	5 44
F 11	23 29	6 5	2 44	24 58	1 56	14 58	3 35	10 31	0 55	22 30	0 20	20 2	0 56	23 0	0 7	15 54	1 44	23 34	14 12	15 8	14 44	1 40	13 23	5 43
S 12	23 30	9 49	1 46	24 46	1 55	14 56	3 40	10 18	0 54	22 32	0 19	20 0	0 56	23 0	0 7	15 55	1 44	23 35	14 12	15 9	14 43	1 42	13 22	5 43
S 13	23 32	13 14	0 43	24 33	1 52	14 54	3 45	10 5	0 53	22 33	0 19	19 59	0 56	23 0	0 7	15 55	1 44	23 35	14 13	15 9	14 42	1 45	13 20	5 42
M14	23 33	16 7	0s24	24 17	1 50	14 54	3 50	9 51	0 52	22 35	0 19	19 57	0 56	23 0	0 7	15 55	1 44	23 36	14 13	15 9	14 41	1 47	13 19	5 42
T 15	23 33	18 19	1 31	24 0	1 47	14 54	3 54	9 38	0 51	22 36	0 19	19 56	0 56	23 0	0 7	15 56	1 44	23 36	14 13	15 9	14 40	1 49	13 18	5 42
W16	23 33	19 38	2 34	23 42	1 43	14 56	3 57	9 24	0 50	22 37	0 19	19 54	0 56	22 59	0 7	15 56	1 44	23 37	14 14	15 8	14 39	1 51	13 17	5 41
T 17	23 33	19 54	3 31	23 22	1 38	14 58	4 1	9 10	0 49	22 39	0 19	19 52	0 56	22 59	0 7	15 57	1 44	23 37	14 14	15 6	14 38	1 53	13 15	5 41
F 18	23 33	19 3	4 18	23 0	1 33	15 0	4 4	8 57	0 48	22 40	0 19	19 51	0 56	22 59	0 7	15 57	1 44	23 38	14 15	15 4	14 37	1 55	13 14	5 41
S 19	23 31	17 3	4 50	22 38	1 28	15 3	4 7	8 43	0 47	22 42	0 19	19 49	0 56	22 59	0 7	15 58	1 44	23 38	14 15	15 1	14 36	1 57	13 13	5 40
S 20	23 30	14 1	5 5	22 15	1 22	15 7	4 9	8 29	0 46	22 43	0 19	19 47	0 56	22 58	0 7	15 58	1 44	23 39	14 15	14 58	14 35	1 59	13 11	5 40
M21	23 28	10 9	5 2	21 50	1 15	15 12	4 11	8 15	0 45	22 44	0 19	19 46	0 56	22 58	0 7	15 59	1 44	23 39	14 15	14 56	14 34	2 1	13 10	5 40
T 22	23 26	5 41	4 40	21 25	1 8	15 17	4 13	8 1	0 44	22 45	0 19	19 44	0 56	22 58	0 7	15 59	1 44	23 40	14 16	14 54	14 33	2 3	13 9	5 39
W23	23 23	0 54	4 0	20 59	1 1	15 22	4 14	7 46	0 43	22 47	0 18	19 42	0 56	22 58	0 7	15 59	1 44	23 40	14 16	14 53	14 32	2 5	13 7	5 39
T 24	23 20	3s55	3 6	20 33	0 53	15 28	4 16	7 32	0 42	22 48	0 18	19 40	0 56	22 58	0 7	16 0	1 44	23 41	14 16	14 53	14 30	2 7	13 6	5 39
F 25	23 16	8 30	2 1	20 5	0 44	15 35	4 17	7 18	0 41	22 49	0 18	19 39	0 56	22 57	0 7	16 0	1 44	23 41	14 17	14 53	14 29	2 9	13 4	5 38
S 26	23 12	12 35	0 49	19 38	0 35	15 42	4 17	7 3	0 40	22 50	0 18	19 37	0 56	22 57	0 7	16 1	1 45	23 42	14 17	14 53	14 28	2 11	13 3	5 38
S 27	23 8	15 56	0n25	19 10	0 26	15 49	4 18	6 49	0 39	22 51	0 18	19 35	0 56	22 57	0 7	16 1	1 45	23 42	14 17	14 53	14 27	2 13	13 1	5 38
M28	23 3	18 20	1 37	18 42	0 17	15 57	4 18	6 34	0 38	22 52	0 18	19 33	0 56	22 57	0 7	16 1	1 45	23 43	14 18	14 53	14 26	2 15	13 0	5 38
T 29	22 58	19 40	2 42	18 13	0 7	16 5	4 18	6 20	0 37	22 53	0 18	19 32	0 56	22 56	0 7	16 2	1 45	23 43	14 18	14 51	14 25	2 17	12 58	5 37
W30	22n52	19s51	3n38	17n45	0s 4	16n13	4s18	6n 5	0n36	22n54	0s18	19n30	0n56	22s56	0s 7	16n 2	1s45	23s44	14s18	14s49	14s24	2n20	12n57	5s37

Julian Day Number = 2109835.5, Delta T = 19m46s
Ecliptic obliquity = 23°33'30, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°41'55, Lahiri = 10°48'55 Julian Calendar 1 June 1064 == Greg. Calendar 7 June 1064

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1064
geocentric

JULY 1064 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 0 2	14♋24'38	8♉41	11♌12	1♊30	16♍39	20♊33	7♌13	16°R 0	19♉36	2°R58	9°R39	8♏27	28♓17	8♌ 4	T 1
F 2	19 3 58	15°21'52	21°41	12°17	2°11	17°14	20°46	7°20	15♐58	19°38	2♓57	9♏29	8°23	28°24	8°11	F 2
S 3	19 7 55	16°19'07	4♒26	13°18	2°54	17°50	20°59	7°27	15°56	19°39	2°56	9°17	8°20	28°30	8°18	S 3
S 4	19 11 51	17°16'23	16°56	14°17	3°37	18°26	21°12	7°35	15°54	19°41	2°55	9° 6	8°17	28°37	8°26	S 4
M 5	19 15 48	18°13'39	29°13	15°12	4°22	19° 2	21°25	7°42	15°52	19°42	2°55	8°56	8°14	28°44	8°33	M 5
T 6	19 19 44	19°10'57	11♓17	16° 5	5° 7	19°38	21°38	7°49	15°50	19°43	2°54	8°48	8°11	28°50	8°41	T 6
W 7	19 23 41	20° 8'15	23°12	16°54	5°53	20°14	21°51	7°57	15°48	19°45	2°53	8°43	8° 8	28°57	8°48	W 7
T 8	19 27 38	21° 5'34	5♈ 2	17°40	6°40	20°50	22° 4	8° 4	15°46	19°46	2°52	8°39	8° 4	29° 4	8°56	T 8
F 9	19 31 34	22° 2'55	16°52	18°22	7°28	21°27	22°17	8°12	15°44	19°47	2°51	8°38	8° 1	29°10	9° 3	F 9
S 10	19 35 31	23° 0'16	28°47	19° 1	8°16	22° 3	22°29	8°19	15°43	19°48	2°50	8°D38	7°58	29°17	9°11	S 10
S 11	19 39 27	23°57'39	10♉52	19°36	9° 6	22°40	22°42	8°27	15°41	19°50	2°49	8°R38	7°55	29°24	9°18	S 11
M12	19 43 24	24°55'03	23°12	20° 6	9°56	23°16	22°55	8°34	15°39	19°51	2°49	8°38	7°52	29°30	9°26	M12
T 13	19 47 20	25°52'28	5♊53	20°33	10°46	23°53	23° 7	8°42	15°38	19°52	2°48	8°35	7°48	29°37	9°34	T 13
W14	19 51 17	26°49'54	18°57	20°55	11°38	24°30	23°20	8°49	15°36	19°53	2°47	8°30	7°45	29°44	9°41	W14
T 15	19 55 13	27°47'21	2♋26	21°12	12°29	25° 7	23°32	8°57	15°34	19°54	2°46	8°22	7°42	29°50	9°49	T 15
F 16	19 59 10	28°44'50	16°21	21°25	13°22	25°44	23°45	9° 4	15°33	19°55	2°45	8°13	7°39	29°57	9°57	F 16
S 17	20 3 7	29°42'20	0♌36	21°33	14°15	26°21	23°57	9°12	15°31	19°56	2°44	8° 1	7°36	0♈ 4	10° 4	S 17
S 18	20 7 3	0♌39'50	15° 7	21°R35	15° 9	26°58	24° 9	9°20	15°30	19°57	2°43	7°50	7°33	0°10	10°12	S 18
M19	20 11 0	1°37'22	29°48	21°33	16° 3	27°35	24°21	9°27	15°28	19°58	2°42	7°40	7°29	0°17	10°20	M19
T 20	20 14 56	2°34'55	14♍29	21°24	16°58	28°13	24°33	9°35	15°27	19°59	2°41	7°32	7°26	0°24	10°28	T 20
W21	20 18 53	3°32'28	29° 4	21°11	17°53	28°50	24°46	9°42	15°25	20° 0	2°40	7°26	7°23	0°30	10°35	W21
T 22	20 22 49	4°30'03	13♎29	20°52	18°49	29°28	24°58	9°50	15°24	20° 1	2°39	7°24	7°20	0°37	10°43	T 22
F 23	20 26 46	5°27'38	27°40	20°28	19°45	0♎ 6	25°10	9°58	15°23	20° 2	2°37	7°23	7°17	0°44	10°51	F 23
S 24	20 30 42	6°25'15	11♏36	19°58	20°42	0°43	25°21	10° 5	15°22	20° 3	2°36	7°23	7°14	0°50	10°59	S 24
S 25	20 34 39	7°22'52	25°18	19°24	21°39	1°21	25°33	10°13	15°20	20° 4	2°35	7°22	7°10	0°57	11° 6	S 25
M26	20 38 36	8°20'31	8♐46	18°45	22°37	1°59	25°45	10°21	15°19	20° 4	2°34	7°20	7° 7	1° 4	11°14	M26
T 27	20 42 32	9°18'11	22° 2	18° 1	23°35	2°37	25°57	10°28	15°18	20° 5	2°33	7°15	7° 4	1°10	11°22	T 27
W28	20 46 29	10°15'51	5♑ 5	17°15	24°33	3°15	26° 8	10°36	15°17	20° 6	2°32	7° 8	7° 1	1°17	11°30	W28
T 29	20 50 25	11°13'33	17°58	16°25	25°32	3°54	26°20	10°43	15°16	20° 6	2°31	6°57	6°58	1°24	11°38	T 29
F 30	20 54 22	12°11'17	0♒39	15°34	26°32	4°32	26°31	10°51	15°15	20° 7	2°30	6°45	6°54	1°30	11°45	F 30
S 31	20 58 18	13♌ 9'01	13♒ 8	14♌42	27♊31	5♎10	26♊42	10♌59	15♐14	20♉ 8	2♓28	6♏32	6♏51	1♈37	11♌53	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n46	18s57	4n20	17n16	0s14	16n21	4s18	5n50	0n36	22n55	0s18	19n28	0n56	22s56	0s 7	16n 2	1s45	23s44	14s19	14s47	14s23	2n22	12n55	5s37
F 2	22 40	17 3	4 48	16 48	0 25	16 30	4 17	5 36	0 35	22 56	0 18	19 26	0 56	22 56	0 7	16 3	1 45	23 45	14 19	14 43	14 22	2 24	12 53	5 37
S 3	22 33	14 22	5 1	16 20	0 37	16 39	4 16	5 21	0 34	22 57	0 18	19 24	0 56	22 56	0 7	16 3	1 45	23 46	14 19	14 40	14 21	2 26	12 52	5 36
S 4	22 26	11 4	5 0	15 52	0 48	16 48	4 15	5 6	0 33	22 58	0 18	19 23	0 56	22 55	0 7	16 4	1 45	23 46	14 19	14 36	14 20	2 28	12 50	5 36
M 5	22 19	7 22	4 44	15 24	1 0	16 57	4 14	4 51	0 32	22 59	0 18	19 21	0 56	22 55	0 7	16 4	1 45	23 47	14 20	14 33	14 19	2 30	12 48	5 36
T 6	22 11	3 25	4 16	14 57	1 12	17 7	4 13	4 36	0 31	23 0	0 17	19 19	0 57	22 55	0 7	16 4	1 45	23 47	14 20	14 30	14 18	2 32	12 47	5 36
W 7	22 2	0n36	3 37	14 31	1 24	17 16	4 12	4 21	0 30	23 1	0 17	19 17	0 57	22 55	0 7	16 4	1 45	23 48	14 20	14 28	14 17	2 34	12 45	5 35
T 8	21 54	4 35	2 49	14 5	1 36	17 25	4 10	4 6	0 29	23 2	0 17	19 15	0 57	22 55	0 7	16 5	1 45	23 48	14 20	14 27	14 16	2 36	12 43	5 35
F 9	21 45	8 24	1 53	13 40	1 49	17 35	4 8	3 50	0 28	23 3	0 17	19 13	0 57	22 54	0 7	16 5	1 45	23 49	14 21	14 27	14 15	2 38	12 42	5 35
S 10	21 35	11 54	0 52	13 16	2 2	17 45	4 6	3 35	0 27	23 4	0 17	19 11	0 57	22 54	0 7	16 5	1 45	23 50	14 21	14 27	14 14	2 40	12 40	5 35
S 11	21 25	14 58	0s12	12 53	2 14	17 54	4 4	3 20	0 26	23 4	0 17	19 9	0 57	22 54	0 7	16 6	1 45	23 50	14 21	14 27	14 13	2 42	12 38	5 35
M12	21 15	17 26	1 17	12 32	2 27	18 4	4 2	3 4	0 25	23 5	0 17	19 7	0 57	22 54	0 7	16 6	1 45	23 51	14 22	14 27	14 12	2 44	12 36	5 34
T 13	21 5	19 7	2 19	12 11	2 40	18 13	4 0	2 49	0 25	23 6	0 17	19 5	0 57	22 54	0 7	16 6	1 45	23 51	14 22	14 26	14 11	2 46	12 34	5 34
W14	20 54	19 50	3 16	11 52	2 52	18 23	3 57	2 34	0 24	23 7	0 17	19 4	0 57	22 54	0 7	16 6	1 45	23 52	14 22	14 24	14 10	2 48	12 33	5 34
T 15	20 42	19 28	4 4	11 35	3 5	18 32	3 54	2 18	0 23	23 7	0 17	19 2	0 57	22 53	0 7	16 7	1 45	23 52	14 22	14 22	14 9	2 50	12 31	5 34
F 16	20 31	17 56	4 40	11 20	3 17	18 41	3 52	2 2	0 22	23 8	0 17	19 0	0 57	22 53	0 7	16 7	1 45	23 53	14 22	14 19	14 8	2 52	12 29	5 34
S 17	20 19	15 16	4 58	11 6	3 29	18 50	3 49	1 47	0 21	23 9	0 17	18 58	0 57	22 53	0 7	16 7	1 46	23 54	14 23	14 15	14 7	2 54	12 27	5 34
S 18	20 6	11 37	4 58	10 54	3 40	18 59	3 46	1 31	0 20	23 9	0 17	18 56	0 57	22 53	0 7	16 7	1 46	23 54	14 23	14 11	14 6	2 56	12 25	5 34
M19	19 54	7 15	4 39	10 45	3 51	19 8	3 43	1 15	0 19	23 10	0 16	18 54	0 57	22 53	0 7	16 8	1 46	23 55	14 23	14 8	14 5	2 58	12 23	5 33
T 20	19 41	2 26	4 1	10 38	4 1	19 16	3 40	1 0	0 18	23 10	0 16	18 52	0 57	22 53	0 7	16 8	1 46	23 55	14 23	14 6	14 4	3 0	12 21	5 33
W21	19 28	2s30	3 8	10 33	4 11	19 24	3 37	0 44	0 18	23 11	0 16	18 50	0 57	22 52	0 7	16 8	1 46	23 56	14 24	14 4	14 3	3 2	12 19	5 33
T 22	19 14	7 14	2 3	10 31	4 19	19 33	3 33	0 28	0 17	23 12	0 16	18 48	0 57	22 52	0 7	16 8	1 46	23 56	14 24	14 3	14 2	3 4	12 17	5 33
F 23	19 0	11 29	0 51	10 31	4 27	19 40	3 30	0 12	0 16	23 12	0 16	18 46	0 58	22 52	0 7	16 8	1 46	23 57	14 24	14 3	14 1	3 6	12 15	5 33
S 24	18 46	15 2	0n22	10 35	4 33	19 48	3 26	0s 4	0 15	23 13	0 16	18 44	0 58	22 52	0 7	16 8	1 46	23 58	14 24	14 2	14 0	3 8	12 13	5 33
S 25	18 31	17 40	1 33	10 41	4 38	19 55	3 23	0 19	0 14	23 13	0 16	18 42	0 58	22 52	0 7	16 9	1 46	23 58	14 24	14 2	13 58	3 10	12 11	5 33
M26	18 16	19 17	2 38	10 49	4 41	20 2	3 19	0 35	0 13	23 13	0 16	18 40	0 58	22 52	0 7	16 9	1 46	23 59	14 24	14 2	13 57	3 12	12 9	5 33
T 27	18 1	19 47	3 33	11 0	4 43	20 9	3 15	0 51	0 13	23 14	0 16	18 38	0 58	22 52	0 7	16 9	1 46	23 59	14 25	14 0	13 56	3 14	12 7	5 33
W28	17 45	19 13	4 15	11 14	4 44	20 15	3 12	1 7	0 12	23 14	0 16	18 36	0 58	22 52	0 7	16 9	1 46	24 0	14 25	13 58	13 55	3 16	12 5	5 33
T 29	17 30	17 39	4 44	11 30	4 42	20 21	3 8	1 23	0 11	23 15	0 16	18 34	0 58	22 51	0 7	16 9	1 46	24 1	14 25	13 54	13 54	3 18	12 3	5 33
F 30	17 14	15 15	4 59	11 49	4 38	20 27	3 4	1 39	0 10	23 15	0 16	18 32	0 58	22 51	0 7	16 9	1 46	24 1	14 25	13 50	13 53	3 20	12 1	5 33
S 31	16n57	12s11	4n58	12n 9	4s33	20n32	3s 0	1s55	0n 9	23n16	0s16	18n30	0n58	22s51	0s 7	16n 9	1s46	24s 2	14s25	13s46	13s52	3n22	11n59	5s33

Julian Day Number = 2109865.5, Delta T = 19m46s
Ecliptic obliquity = 23°33'30, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°41'59, Lahiri = 10°48'59 Julian Calendar 1 July 1064 == Greg. Calendar 7 July 1064

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1064
geocentric

AUGUST 1064 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 2 15	14♌ 6'47	25♒27	13°R49	28♊31	5♎49	26♊54	11♌ 6	15°R13	20♉ 8	2°R27	6°R19	6♏48	1♈44	12♌ 1	S 1
M 2	21 6 11	15° 4'35	7♓34	12♌58	29°32	6°27	27° 5	11°14	15♐12	20° 9	2♓26	6♏ 7	6°45	1°50	12° 9	M 2
T 3	21 10 8	16° 2'24	19°33	12° 9	0♋32	7° 6	27°16	11°22	15°12	20° 9	2°25	5°57	6°42	1°57	12°17	T 3
W 4	21 14 5	17° 0'14	1♈25	11°23	1°34	7°45	27°27	11°29	15°11	20°10	2°24	5°50	6°39	2° 4	12°25	W 4
T 5	21 18 1	17°58'07	13°13	10°41	2°35	8°23	27°38	11°37	15°10	20°10	2°23	5°46	6°35	2°10	12°32	T 5
F 6	21 21 58	18°56'01	25° 1	10° 5	3°37	9° 2	27°49	11°45	15°10	20°11	2°21	5°44	6°32	2°17	12°40	F 6
S 7	21 25 54	19°53'57	6♉54	9°34	4°39	9°41	28° 0	11°52	15° 9	20°11	2°20	5°D44	6°29	2°24	12°48	S 7
S 8	21 29 51	20°51'55	18°58	9°10	5°41	10°20	28°10	12° 0	15° 8	20°11	2°19	5°R44	6°26	2°30	12°56	S 8
M 9	21 33 47	21°49'55	1♊16	8°53	6°44	11° 0	28°21	12° 7	15° 8	20°12	2°18	5°43	6°23	2°37	13° 4	M 9
T 10	21 37 44	22°47'57	13°56	8°44	7°47	11°39	28°31	12°15	15° 7	20°12	2°16	5°42	6°19	2°44	13°11	T 10
W11	21 41 40	23°46'01	27° 0	8°D44	8°50	12°18	28°42	12°22	15° 7	20°12	2°15	5°38	6°16	2°50	13°19	W11
T 12	21 45 37	24°44'07	10♋33	8°51	9°54	12°58	28°52	12°30	15° 7	20°12	2°14	5°31	6°13	2°57	13°27	T 12
F 13	21 49 34	25°42'15	24°34	9° 8	10°58	13°37	29° 2	12°38	15° 6	20°12	2°13	5°23	6°10	3° 4	13°35	F 13
S 14	21 53 30	26°40'24	9♌ 1	9°32	12° 2	14°17	29°12	12°45	15° 6	20°13	2°12	5°13	6° 7	3°10	13°42	S 14
S 15	21 57 27	27°38'36	23°49	10° 5	13° 6	14°56	29°22	12°53	15° 6	20°13	2°10	5° 2	6° 4	3°17	13°50	S 15
M16	22 1 23	28°36'49	8♍49	10°47	14°11	15°36	29°32	13° 0	15° 6	20°13	2° 9	4°53	6° 0	3°24	13°58	M16
T 17	22 5 20	29°35'04	23°53	11°36	15°16	16°16	29°42	13° 7	15° 6	20°13	2° 8	4°46	5°57	3°30	14° 6	T 17
W18	22 9 16	0♍33'21	8♎49	12°32	16°21	16°56	29°52	13°15	15° 6	20°R13	2° 7	4°41	5°54	3°37	14°13	W18
T 19	22 13 13	1°31'39	23°32	13°36	17°26	17°36	0♋ 1	13°22	15°D 6	20°13	2° 5	4°38	5°51	3°44	14°21	T 19
F 20	22 17 9	2°29'59	7♏56	14°47	18°31	18°16	0°11	13°30	15° 6	20°13	2° 4	4°D38	5°48	3°50	14°29	F 20
S 21	22 21 6	3°28'20	21°59	16° 4	19°37	18°56	0°20	13°37	15° 6	20°13	2° 3	4°38	5°45	3°57	14°36	S 21
S 22	22 25 2	4°26'43	5♐40	17°26	20°43	19°36	0°29	13°44	15° 6	20°13	2° 2	4°R39	5°41	4° 4	14°44	S 22
M23	22 28 59	5°25'08	19° 2	18°54	21°49	20°17	0°38	13°52	15° 6	20°12	2° 0	4°38	5°38	4°10	14°51	M23
T 24	22 32 56	6°23'34	2♑ 7	20°26	22°56	20°57	0°47	13°59	15° 6	20°12	1°59	4°35	5°35	4°17	14°59	T 24
W25	22 36 52	7°22'02	14°56	22° 2	24° 2	21°38	0°56	14° 6	15° 7	20°12	1°58	4°30	5°32	4°24	15° 6	W25
T 26	22 40 49	8°20'32	27°32	23°42	25° 9	22°18	1° 5	14°14	15° 7	20°12	1°57	4°22	5°29	4°30	15°14	T 26
F 27	22 44 45	9°19'03	9♒56	25°24	26°16	22°59	1°14	14°21	15° 7	20°11	1°55	4°13	5°25	4°37	15°21	F 27
S 28	22 48 42	10°17'36	22°11	27° 9	27°23	23°40	1°22	14°28	15° 8	20°11	1°54	4° 3	5°22	4°44	15°29	S 28
S 29	22 52 38	11°16'11	4♓18	28°56	28°31	24°20	1°30	14°35	15° 8	20°11	1°53	3°53	5°19	4°50	15°36	S 29
M30	22 56 35	12°14'48	16°16	0♍44	29°38	25° 1	1°39	14°42	15° 9	20°10	1°52	3°43	5°16	4°57	15°44	M30
T 31	23 0 31	13♍13'27	28♓ 9	2♍33	0♌46	25♎42	1♋47	14♌49	15♐10	20♉10	1♓50	3♏36	5♏13	5♈ 4	15♌51	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n41	8s39	4n44	12n31	4s26	20n37	2s56	2s11	0n 8	23n16	0s15	18n28	0n58	22s51	0s 7	16n 9	1s46	24s 2	14s25	13s41	13s51	3n24	11n57	5s33
M 2	16 24	4 48	4 17	12 54	4 16	20 42	2 52	2 27	0 8	23 16	0 15	18 26	0 58	22 51	0 7	16 10	1 46	24 3	14 26	13 38	13 50	3 26	11 55	5 33
T 3	16 6	0 48	3 39	13 18	4 6	20 46	2 48	2 44	0 7	23 17	0 15	18 24	0 58	22 51	0 7	16 10	1 46	24 3	14 26	13 34	13 49	3 28	11 53	5 33
W 4	15 49	3n11	2 51	13 43	3 53	20 49	2 44	3 0	0 6	23 17	0 15	18 21	0 58	22 51	0 7	16 10	1 47	24 4	14 26	13 32	13 48	3 30	11 50	5 33
T 5	15 31	7 2	1 56	14 8	3 39	20 53	2 39	3 16	0 5	23 17	0 15	18 19	0 59	22 51	0 7	16 10	1 47	24 5	14 26	13 31	13 47	3 32	11 48	5 33
F 6	15 13	10 37	0 57	14 32	3 24	20 55	2 35	3 32	0 4	23 17	0 15	18 17	0 59	22 51	0 7	16 10	1 47	24 5	14 26	13 30	13 46	3 34	11 46	5 33
S 7	14 55	13 47	0s 6	14 56	3 7	20 58	2 31	3 48	0 4	23 18	0 15	18 15	0 59	22 51	0 7	16 10	1 47	24 6	14 26	13 30	13 45	3 36	11 44	5 33
S 8	14 37	16 26	1 10	15 19	2 50	21 0	2 27	4 4	0 3	23 18	0 15	18 13	0 59	22 51	0 7	16 10	1 47	24 6	14 26	13 30	13 44	3 38	11 42	5 33
M 9	14 18	18 22	2 11	15 41	2 32	21 1	2 22	4 20	0 2	23 18	0 15	18 11	0 59	22 51	0 7	16 10	1 47	24 7	14 26	13 30	13 43	3 40	11 40	5 33
T 10	13 59	19 28	3 8	16 0	2 14	21 2	2 18	4 36	0 1	23 18	0 15	18 9	0 59	22 51	0 7	16 10	1 47	24 7	14 26	13 29	13 42	3 42	11 37	5 33
W11	13 40	19 34	3 57	16 18	1 56	21 3	2 13	4 53	0 1	23 18	0 15	18 7	0 59	22 50	0 7	16 10	1 47	24 8	14 27	13 28	13 41	3 44	11 35	5 33
T 12	13 20	18 34	4 35	16 34	1 37	21 3	2 9	5 9	0s 0	23 19	0 15	18 5	0 59	22 50	0 7	16 10	1 47	24 8	14 27	13 26	13 40	3 46	11 33	5 33
F 13	13 1	16 26	4 58	16 48	1 19	21 2	2 5	5 25	0 1	23 19	0 15	18 3	0 59	22 50	0 7	16 10	1 47	24 9	14 27	13 23	13 39	3 48	11 31	5 33
S 14	12 41	13 14	5 2	16 58	1 1	21 1	2 0	5 41	0 2	23 19	0 14	18 1	0 59	22 50	0 7	16 10	1 47	24 9	14 27	13 19	13 37	3 50	11 28	5 33
S 15	12 21	9 8	4 47	17 6	0 44	20 59	1 56	5 57	0 3	23 19	0 14	17 59	1 0	22 50	0 7	16 10	1 47	24 10	14 27	13 16	13 36	3 52	11 26	5 33
M16	12 1	4 25	4 12	17 11	0 27	20 57	1 51	6 13	0 3	23 19	0 14	17 57	1 0	22 50	0 7	16 10	1 47	24 10	14 27	13 13	13 35	3 54	11 24	5 33
T 17	11 40	0s36	3 19	17 13	0 11	20 55	1 47	6 29	0 4	23 19	0 14	17 55	1 0	22 50	0 7	16 10	1 47	24 11	14 27	13 10	13 34	3 56	11 22	5 33
W18	11 20	5 33	2 13	17 12	0n 4	20 52	1 42	6 45	0 5	23 19	0 14	17 53	1 0	22 50	0 7	16 10	1 47	24 11	14 27	13 9	13 33	3 58	11 19	5 33
T 19	10 59	10 6	0 59	17 7	0 19	20 48	1 38	7 2	0 6	23 19	0 14	17 51	1 0	22 50	0 7	16 10	1 47	24 12	14 27	13 8	13 32	4 0	11 17	5 33
F 20	10 38	13 57	0n18	16 59	0 32	20 44	1 33	7 18	0 6	23 19	0 14	17 49	1 0	22 50	0 7	16 10	1 47	24 12	14 27	13 8	13 31	4 2	11 15	5 34
S 21	10 17	16 53	1 31	16 48	0 44	20 39	1 29	7 34	0 7	23 20	0 14	17 47	1 0	22 50	0 7	16 10	1 47	24 13	14 27	13 8	13 30	4 4	11 13	5 34
S 22	9 56	18 46	2 38	16 34	0 56	20 34	1 24	7 50	0 8	23 20	0 14	17 45	1 0	22 50	0 7	16 9	1 48	24 13	14 27	13 8	13 29	4 6	11 10	5 34
M23	9 34	19 32	3 34	16 16	1 6	20 28	1 20	8 6	0 9	23 20	0 14	17 43	1 0	22 50	0 7	16 9	1 48	24 14	14 27	13 8	13 28	4 8	11 8	5 34
T 24	9 13	19 14	4 18	15 56	1 15	20 22	1 15	8 22	0 9	23 20	0 14	17 41	1 1	22 50	0 7	16 9	1 48	24 14	14 27	13 7	13 27	4 10	11 6	5 34
W25	8 51	17 57	4 48	15 32	1 23	20 15	1 11	8 37	0 10	23 20	0 14	17 39	1 1	22 50	0 7	16 9	1 48	24 15	14 27	13 5	13 26	4 12	11 3	5 34
T 26	8 29	15 48	5 3	15 6	1 30	20 7	1 6	8 53	0 11	23 20	0 14	17 37	1 1	22 51	0 7	16 9	1 48	24 15	14 27	13 2	13 25	4 14	11 1	5 34
F 27	8 7	12 58	5 4	14 37	1 35	19 59	1 2	9 9	0 11	23 20	0 14	17 35	1 1	22 51	0 7	16 9	1 48	24 16	14 27	12 59	13 24	4 16	10 59	5 35
S 28	7 45	9 36	4 51	14 5	1 40	19 51	0 58	9 25	0 12	23 20	0 13	17 33	1 1	22 51	0 7	16 9	1 48	24 16	14 27	12 56	13 23	4 18	10 56	5 35
S 29	7 22	5 53	4 24	13 32	1 44	19 42	0 53	9 41	0 13	23 20	0 13	17 31	1 1	22 51	0 7	16 9	1 48	24 17	14 27	12 52	13 22	4 20	10 54	5 35
M30	7 0	1 58	3 46	12 56	1 47	19 32	0 49	9 57	0 14	23 20	0 13	17 29	1 1	22 51	0 7	16 8	1 48	24 17	14 27	12 49	13 21	4 22	10 52	5 35
T 31	6n37	2n 0	2n59	12n18	1n49	19n22	0s45	10s12	0s14	23n20	0s13	17n27	1n 1	22s51	0s 7	16n 8	1s48	24s18	14s27	12s47	13s19	4n24	10n49	5s35

Julian Day Number = 2109896.5, Delta T = 19m45s
Ecliptic obliquity = 23°33'30, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°42'03, Lahiri = 10°49'04 Julian Calendar 1 Aug. 1064 == Greg. Calendar 7 Aug. 1064

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1064
geocentric

SEPTEMBER 1064 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 4 28	14♍12'08	9♈58	4♍23	1♌54	26♎23	1♋55	14♌56	15♐10	20°R 9	1°R49	3°R31	5♏10	5♈10	15♌58	W 1
T 2	23 8 25	15°10'51	21°46	6°14	3° 2	27° 4	2° 3	15° 3	15°11	20♉ 9	1♓48	3♏28	5° 6	5°17	16° 6	T 2
F 3	23 12 21	16° 9'37	3♉34	8° 5	4°10	27°45	2°10	15°10	15°12	20° 8	1°47	3°D27	5° 3	5°24	16°13	F 3
S 4	23 16 18	17° 8'24	15°28	9°56	5°19	28°27	2°18	15°17	15°12	20° 8	1°46	3°28	5° 0	5°30	16°20	S 4
S 5	23 20 14	18° 7'14	27°31	11°47	6°28	29° 8	2°25	15°24	15°13	20° 7	1°44	3°29	4°57	5°37	16°27	S 5
M 6	23 24 11	19° 6'06	9♊49	13°37	7°36	29°49	2°33	15°31	15°14	20° 7	1°43	3°31	4°54	5°44	16°34	M 6
T 7	23 28 7	20° 5'01	22°25	15°27	8°45	0♏31	2°40	15°37	15°15	20° 6	1°42	3°R31	4°51	5°50	16°41	T 7
W 8	23 32 4	21° 3'58	5♋25	17°17	9°54	1°12	2°47	15°44	15°16	20° 5	1°41	3°30	4°47	5°57	16°48	W 8
T 9	23 36 0	22° 2'57	18°52	19° 5	11° 4	1°54	2°54	15°51	15°17	20° 5	1°40	3°27	4°44	6° 4	16°55	T 9
F 10	23 39 57	23° 1'59	2♌48	20°54	12°13	2°36	3° 0	15°58	15°18	20° 4	1°39	3°23	4°41	6°10	17° 2	F 10
S 11	23 43 54	24° 1'03	17°12	22°41	13°23	3°18	3° 7	16° 4	15°20	20° 3	1°37	3°17	4°38	6°17	17° 9	S 11
S 12	23 47 50	25° 0'09	2♍ 1	24°28	14°32	4° 0	3°13	16°11	15°21	20° 2	1°36	3°11	4°35	6°24	17°16	S 12
M13	23 51 47	25°59'17	17° 7	26°14	15°42	4°41	3°19	16°17	15°22	20° 2	1°35	3° 6	4°31	6°30	17°23	M13
T 14	23 55 43	26°58'27	2♎22	27°59	16°52	5°24	3°25	16°24	15°23	20° 1	1°34	3° 2	4°28	6°37	17°30	T 14
W15	23 59 40	27°57'40	17°33	29°43	18° 2	6° 6	3°31	16°30	15°25	20° 0	1°33	2°59	4°25	6°44	17°37	W15
T 16	0 3 36	28°56'54	2♏33	1♎27	19°13	6°48	3°37	16°36	15°26	19°59	1°32	2°D58	4°22	6°50	17°43	T 16
F 17	0 7 33	29°56'11	17°13	3°10	20°23	7°30	3°43	16°43	15°28	19°58	1°31	2°59	4°19	6°57	17°50	F 17
S 18	0 11 29	0♎55'29	1♐29	4°51	21°34	8°12	3°48	16°49	15°29	19°57	1°30	3° 0	4°16	7° 4	17°57	S 18
S 19	0 15 26	1°54'49	15°20	6°33	22°44	8°55	3°53	16°55	15°31	19°56	1°29	3° 2	4°12	7°10	18° 3	S 19
M20	0 19 22	2°54'11	28°46	8°13	23°55	9°37	3°59	17° 1	15°32	19°55	1°28	3°R 2	4° 9	7°17	18°10	M20
T 21	0 23 19	3°53'35	11♑49	9°53	25° 6	10°20	4° 3	17° 7	15°34	19°54	1°27	3° 2	4° 6	7°24	18°16	T 21
W22	0 27 16	4°53'00	24°33	11°32	26°17	11° 2	4° 8	17°13	15°36	19°53	1°26	3° 1	4° 3	7°30	18°22	W22
T 23	0 31 12	5°52'28	7♒ 0	13°10	27°28	11°45	4°13	17°19	15°37	19°52	1°25	2°58	4° 0	7°37	18°29	T 23
F 24	0 35 9	6°51'57	19°14	14°47	28°39	12°28	4°17	17°25	15°39	19°51	1°24	2°54	3°56	7°44	18°35	F 24
S 25	0 39 5	7°51'28	1♓19	16°24	29°51	13°11	4°21	17°31	15°41	19°49	1°23	2°50	3°53	7°50	18°41	S 25
S 26	0 43 2	8°51'01	13°16	18° 0	1♍ 2	13°54	4°26	17°37	15°43	19°48	1°22	2°46	3°50	7°57	18°47	S 26
M27	0 46 58	9°50'35	25° 8	19°36	2°14	14°37	4°29	17°42	15°45	19°47	1°21	2°42	3°47	8° 4	18°53	M27
T 28	0 50 55	10°50'12	6♈57	21°10	3°25	15°20	4°33	17°48	15°47	19°46	1°20	2°39	3°44	8°10	18°59	T 28
W29	0 54 51	11°49'51	18°45	22°44	4°37	16° 3	4°37	17°53	15°49	19°45	1°19	2°37	3°41	8°17	19° 5	W29
T 30	0 58 48	12♎49'32	0♉35	24♎18	5♍49	16♏46	4♋40	17♌59	15♐51	19♉43	1♓18	2°D36	3♏37	8♈24	19♌11	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	6n15	5n52	2n 3	11n39	1n50	19n11	0s40	10s28	0s15	23n20	0s13	17n25	1n 2	22s51	0s 7	16n 8	1s48	24s18	14s27	12s45	13s18	4n26	10n47	5s36
T 2	5 52	9 30	1 3	10 59	1 51	19 0	0 36	10 43	0 16	23 19	0 13	17 23	1 2	22 51	0 7	16 8	1 48	24 18	14 27	12 44	13 17	4 28	10 45	5 36
F 3	5 29	12 46	0s 1	10 17	1 50	18 48	0 32	10 59	0 16	23 19	0 13	17 21	1 2	22 51	0 7	16 8	1 48	24 19	14 27	12 44	13 16	4 30	10 42	5 36
S 4	5 6	15 31	1 5	9 34	1 49	18 35	0 28	11 14	0 17	23 19	0 13	17 19	1 2	22 51	0 7	16 8	1 48	24 19	14 27	12 44	13 15	4 32	10 40	5 36
S 5	4 43	17 39	2 7	8 50	1 48	18 22	0 23	11 30	0 18	23 19	0 13	17 17	1 2	22 51	0 7	16 7	1 48	24 20	14 27	12 44	13 14	4 34	10 38	5 36
M 6	4 20	19 0	3 4	8 6	1 46	18 9	0 19	11 45	0 18	23 19	0 13	17 15	1 2	22 51	0 7	16 7	1 48	24 20	14 27	12 45	13 13	4 35	10 35	5 37
T 7	3 57	19 26	3 55	7 21	1 43	17 55	0 15	12 0	0 19	23 19	0 13	17 13	1 2	22 51	0 7	16 7	1 48	24 20	14 27	12 45	13 12	4 37	10 33	5 37
W 8	3 34	18 53	4 34	6 35	1 40	17 40	0 11	12 16	0 20	23 19	0 13	17 11	1 2	22 52	0 7	16 7	1 48	24 21	14 26	12 45	13 11	4 39	10 31	5 37
T 9	3 10	17 15	5 1	5 49	1 36	17 25	0 7	12 31	0 20	23 19	0 13	17 10	1 3	22 52	0 7	16 6	1 48	24 21	14 26	12 44	13 10	4 41	10 28	5 38
F 10	2 47	14 35	5 11	5 2	1 32	17 10	0 3	12 46	0 21	23 19	0 12	17 8	1 3	22 52	0 7	16 6	1 49	24 21	14 26	12 42	13 9	4 43	10 26	5 38
S 11	2 23	10 58	5 2	4 16	1 28	16 54	0n 1	13 1	0 22	23 19	0 12	17 6	1 3	22 52	0 7	16 6	1 49	24 22	14 26	12 40	13 8	4 45	10 24	5 38
S 12	2 0	6 34	4 33	3 29	1 23	16 37	0 4	13 16	0 22	23 19	0 12	17 4	1 3	22 52	0 7	16 6	1 49	24 22	14 26	12 38	13 7	4 47	10 22	5 38
M13	1 36	1 40	3 44	2 42	1 18	16 20	0 8	13 31	0 23	23 19	0 12	17 2	1 3	22 52	0 7	16 5	1 49	24 22	14 26	12 36	13 6	4 49	10 19	5 39
T 14	1 13	3s23	2 39	1 55	1 13	16 3	0 12	13 45	0 24	23 19	0 12	17 0	1 3	22 52	0 7	16 5	1 49	24 23	14 26	12 35	13 4	4 51	10 17	5 39
W15	0 49	8 12	1 23	1 9	1 8	15 45	0 16	14 0	0 24	23 19	0 12	16 59	1 3	22 53	0 7	16 5	1 49	24 23	14 26	12 34	13 3	4 53	10 15	5 39
T 16	0 25	12 27	0 2	0 22	1 2	15 26	0 19	14 15	0 25	23 19	0 12	16 57	1 4	22 53	0 7	16 5	1 49	24 23	14 26	12 34	13 2	4 55	10 12	5 40
F 17	0 2	15 49	1n17	0s24	0 56	15 8	0 23	14 29	0 26	23 18	0 12	16 55	1 4	22 53	0 7	16 4	1 49	24 23	14 25	12 34	13 1	4 57	10 10	5 40
S 18	0s22	18 7	2 30	1 11	0 50	14 48	0 26	14 44	0 26	23 18	0 12	16 53	1 4	22 53	0 7	16 4	1 49	24 24	14 25	12 34	13 0	4 59	10 8	5 40
S 19	0 46	19 14	3 32	1 56	0 44	14 28	0 30	14 58	0 27	23 18	0 12	16 52	1 4	22 53	0 7	16 4	1 49	24 24	14 25	12 35	12 59	5 1	10 5	5 41
M20	1 10	19 14	4 20	2 42	0 37	14 8	0 33	15 12	0 28	23 18	0 12	16 50	1 4	22 53	0 7	16 3	1 49	24 24	14 25	12 35	12 58	5 3	10 3	5 41
T 21	1 33	18 10	4 53	3 27	0 31	13 48	0 36	15 26	0 28	23 18	0 12	16 48	1 4	22 54	0 7	16 3	1 49	24 24	14 25	12 35	12 57	5 5	10 1	5 41
W22	1 57	16 13	5 10	4 12	0 24	13 26	0 40	15 40	0 29	23 18	0 11	16 47	1 5	22 54	0 7	16 3	1 49	24 25	14 25	12 35	12 56	5 6	9 59	5 42
T 23	2 21	13 34	5 13	4 57	0 18	13 5	0 43	15 54	0 29	23 18	0 11	16 45	1 5	22 54	0 7	16 2	1 49	24 25	14 25	12 34	12 55	5 8	9 56	5 42
F 24	2 44	10 21	5 1	5 41	0 11	12 43	0 46	16 8	0 30	23 18	0 11	16 43	1 5	22 54	0 7	16 2	1 49	24 25	14 24	12 32	12 54	5 10	9 54	5 42
S 25	3 8	6 45	4 36	6 25	0 4	12 21	0 49	16 22	0 31	23 18	0 11	16 42	1 5	22 54	0 7	16 2	1 49	24 25	14 24	12 31	12 53	5 12	9 52	5 43
S 26	3 32	2 56	3 59	7 8	0s 3	11 58	0 52	16 35	0 31	23 18	0 11	16 40	1 5	22 55	0 7	16 1	1 49	24 26	14 24	12 29	12 52	5 14	9 50	5 43
M27	3 55	1n 0	3 12	7 51	0 9	11 35	0 55	16 49	0 32	23 18	0 11	16 38	1 5	22 55	0 7	16 1	1 49	24 26	14 24	12 28	12 50	5 16	9 47	5 44
T 28	4 19	4 52	2 17	8 33	0 16	11 12	0 58	17 2	0 32	23 18	0 11	16 37	1 6	22 55	0 7	16 1	1 49	24 26	14 24	12 27	12 49	5 18	9 45	5 44
W29	4 42	8 33	1 16	9 15	0 23	10 48	1 0	17 15	0 33	23 18	0 11	16 35	1 6	22 55	0 7	16 0	1 49	24 26	14 23	12 26	12 48	5 20	9 43	5 44
T 30	5s 5	11n55	0n11	9s56	0s30	10n24	1n 3	17s28	0s34	23n18	0s11	16n34	1n 6	22s55	0s 7	16n 0	1s49	24s26	14s23	12s26	12s47	5n22	9n41	5s45

Julian Day Number = 2109927.5, Delta T = 19m45s
Ecliptic obliquity = 23°33'31, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°42'07, Lahiri = 10°49'08 Julian Calendar 1 Sept. 1064 == Greg. Calendar 7 Sept. 1064

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1064
geocentric

OCTOBER 1064 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 2 45	13♎49'15	12♉29	25♎51	7♍ 1	17♏29	4♋43	18♌ 4	15♐53	19°R42	1°R17	2♏37	3♏34	8♈30	19♌17	F 1
S 2	1 6 41	14°49'00	24°28	27°23	8°13	18°12	4°46	18°10	15°55	19♉41	1♓16	2°38	3°31	8°37	19°23	S 2
S 3	1 10 38	15°48'48	6♊37	28°55	9°25	18°56	4°49	18°15	15°57	19°39	1°16	2°39	3°28	8°44	19°28	S 3
M 4	1 14 34	16°48'37	18°59	0♏26	10°37	19°39	4°51	18°20	16° 0	19°38	1°15	2°41	3°25	8°50	19°34	M 4
T 5	1 18 31	17°48'29	1♋36	1°57	11°50	20°23	4°54	18°25	16° 2	19°37	1°14	2°42	3°22	8°57	19°40	T 5
W 6	1 22 27	18°48'24	14°33	3°27	13° 2	21° 6	4°56	18°30	16° 4	19°35	1°13	2°R42	3°18	9° 4	19°45	W 6
T 7	1 26 24	19°48'20	27°53	4°57	14°15	21°50	4°58	18°35	16° 7	19°34	1°12	2°42	3°15	9°10	19°50	T 7
F 8	1 30 20	20°48'19	11♌38	6°26	15°28	22°34	5° 0	18°40	16° 9	19°33	1°12	2°41	3°12	9°17	19°56	F 8
S 9	1 34 17	21°48'20	25°49	7°54	16°40	23°17	5° 2	18°45	16°11	19°31	1°11	2°40	3° 9	9°24	20° 1	S 9
S 10	1 38 14	22°48'23	10♍24	9°22	17°53	24° 1	5° 3	18°49	16°14	19°30	1°10	2°39	3° 6	9°30	20° 6	S 10
M11	1 42 10	23°48'28	25°19	10°49	19° 6	24°45	5° 4	18°54	16°16	19°28	1°10	2°38	3° 2	9°37	20°11	M11
T 12	1 46 7	24°48'35	10♎26	12°16	20°19	25°29	5° 5	18°59	16°19	19°27	1° 9	2°37	2°59	9°43	20°16	T 12
W13	1 50 3	25°48'44	25°37	13°42	21°32	26°13	5° 6	19° 3	16°22	19°25	1° 8	2°D37	2°56	9°50	20°21	W13
T 14	1 54 0	26°48'56	10♏42	15° 7	22°45	26°57	5° 7	19° 7	16°24	19°24	1° 8	2°37	2°53	9°57	20°26	T 14
F 15	1 57 56	27°49'09	25°32	16°32	23°58	27°42	5° 7	19°12	16°27	19°22	1° 7	2°37	2°50	10° 3	20°31	F 15
S 16	2 1 53	28°49'23	10♐ 0	17°56	25°12	28°26	5° 8	19°16	16°29	19°20	1° 6	2°38	2°47	10°10	20°35	S 16
S 17	2 5 49	29°49'40	24° 3	19°19	26°25	29°10	5°R 8	19°20	16°32	19°19	1° 6	2°38	2°43	10°17	20°40	S 17
M18	2 9 46	0♏49'58	7♑39	20°41	27°38	29°54	5° 7	19°24	16°35	19°17	1° 5	2°38	2°40	10°23	20°44	M18
T 19	2 13 42	1°50'17	20°49	22° 2	28°52	0♐39	5° 7	19°28	16°38	19°16	1° 5	2°38	2°37	10°30	20°49	T 19
W20	2 17 39	2°50'38	3♒35	23°22	0♎ 5	1°23	5° 6	19°32	16°41	19°14	1° 4	2°38	2°34	10°37	20°53	W20
T 21	2 21 36	3°51'00	16° 1	24°41	1°19	2° 8	5° 6	19°36	16°43	19°12	1° 4	2°38	2°31	10°43	20°57	T 21
F 22	2 25 32	4°51'24	28°11	25°59	2°33	2°53	5° 5	19°39	16°46	19°11	1° 4	2°38	2°27	10°50	21° 1	F 22
S 23	2 29 29	5°51'49	10♓10	27°15	3°46	3°37	5° 4	19°43	16°49	19° 9	1° 3	2°39	2°24	10°57	21° 5	S 23
S 24	2 33 25	6°52'15	22° 2	28°29	5° 0	4°22	5° 2	19°46	16°52	19° 8	1° 3	2°39	2°21	11° 3	21° 9	S 24
M25	2 37 22	7°52'44	3♈50	29°42	6°14	5° 7	5° 1	19°50	16°55	19° 6	1° 2	2°40	2°18	11°10	21°13	M25
T 26	2 41 18	8°53'13	15°39	0♐52	7°28	5°52	4°59	19°53	16°58	19° 4	1° 2	2°40	2°15	11°17	21°17	T 26
W27	2 45 15	9°53'44	27°30	2° 1	8°42	6°37	4°57	19°56	17° 1	19° 3	1° 2	2°R40	2°12	11°23	21°21	W27
T 28	2 49 11	10°54'17	9♉26	3° 6	9°56	7°22	4°55	19°59	17° 4	19° 1	1° 1	2°40	2° 8	11°30	21°24	T 28
F 29	2 53 8	11°54'51	21°29	4° 9	11°10	8° 7	4°53	20° 2	17° 7	18°59	1° 1	2°40	2° 5	11°37	21°28	F 29
S 30	2 57 5	12°55'27	3♊41	5° 8	12°24	8°52	4°50	20° 5	17°11	18°58	1° 1	2°39	2° 2	11°43	21°31	S 30
S 31	3 1 1	13♏56'04	16♊ 3	6♐ 4	13♎38	9♐37	4♋47	20♌ 8	17♐14	18♉56	1♓ 1	2♏37	1♏59	11♈50	21♌34	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5s29	14n48	0s54	10s36	0s37	10n 0	1n 6	17s41	0s34	23n18	0s11	16n32	1n 6	22s56	0s 7	16n 0	1s49	24s26	14s23	12s26	12s46	5n24	9n39	5s45
S 2	5 52	17 4	1 58	11 16	0 44	9 35	1 8	17 54	0 35	23 18	0 11	16 31	1 6	22 56	0 7	15 59	1 49	24 26	14 23	12 27	12 45	5 26	9 36	5 46
S 3	6 15	18 36	2 58	11 56	0 50	9 10	1 11	18 6	0 35	23 18	0 10	16 29	1 6	22 56	0 7	15 59	1 49	24 27	14 23	12 27	12 44	5 27	9 34	5 46
M 4	6 38	19 17	3 50	12 34	0 57	8 45	1 13	18 19	0 36	23 18	0 10	16 28	1 7	22 56	0 7	15 58	1 50	24 27	14 22	12 28	12 43	5 29	9 32	5 47
T 5	7 1	19 1	4 32	13 12	1 3	8 19	1 15	18 31	0 37	23 18	0 10	16 26	1 7	22 57	0 7	15 58	1 50	24 27	14 22	12 28	12 42	5 31	9 30	5 47
W 6	7 24	17 46	5 2	13 49	1 10	7 53	1 18	18 43	0 37	23 18	0 10	16 25	1 7	22 57	0 7	15 58	1 50	24 27	14 22	12 28	12 41	5 33	9 28	5 47
T 7	7 47	15 31	5 16	14 26	1 16	7 27	1 20	18 55	0 38	23 18	0 10	16 24	1 7	22 57	0 7	15 57	1 50	24 27	14 22	12 28	12 40	5 35	9 26	5 48
F 8	8 10	12 21	5 14	15 2	1 23	7 1	1 22	19 7	0 38	23 18	0 10	16 22	1 7	22 57	0 7	15 57	1 50	24 27	14 22	12 28	12 38	5 37	9 24	5 48
S 9	8 32	8 24	4 52	15 37	1 29	6 34	1 24	19 19	0 39	23 18	0 10	16 21	1 7	22 58	0 7	15 56	1 50	24 27	14 21	12 28	12 37	5 39	9 22	5 49
S 10	8 55	3 50	4 11	16 11	1 35	6 7	1 26	19 30	0 39	23 18	0 10	16 20	1 8	22 58	0 7	15 56	1 50	24 27	14 21	12 27	12 36	5 41	9 20	5 49
M11	9 17	1s 5	3 13	16 44	1 41	5 40	1 27	19 42	0 40	23 18	0 10	16 18	1 8	22 58	0 7	15 55	1 50	24 27	14 21	12 27	12 35	5 43	9 18	5 50
T 12	9 39	6 0	2 0	17 17	1 46	5 13	1 29	19 53	0 40	23 18	0 10	16 17	1 8	22 58	0 7	15 55	1 50	24 27	14 21	12 27	12 34	5 45	9 16	5 50
W13	10 1	10 33	0 39	17 48	1 52	4 46	1 31	20 4	0 41	23 18	0 10	16 16	1 8	22 59	0 7	15 55	1 50	24 27	14 20	12 26	12 33	5 46	9 14	5 51
T 14	10 23	14 24	0n45	18 19	1 57	4 18	1 32	20 15	0 41	23 18	0 9	16 15	1 8	22 59	0 7	15 54	1 50	24 27	14 20	12 26	12 32	5 48	9 12	5 51
F 15	10 45	17 14	2 4	18 49	2 2	3 50	1 34	20 25	0 42	23 18	0 9	16 14	1 9	22 59	0 7	15 54	1 50	24 27	14 20	12 27	12 31	5 50	9 10	5 52
S 16	11 7	18 52	3 13	19 18	2 7	3 22	1 35	20 36	0 43	23 18	0 9	16 12	1 9	22 59	0 7	15 53	1 50	24 27	14 20	12 27	12 30	5 52	9 8	5 52
S 17	11 28	19 17	4 9	19 45	2 12	2 54	1 36	20 46	0 43	23 18	0 9	16 11	1 9	23 0	0 7	15 53	1 50	24 27	14 19	12 27	12 29	5 54	9 6	5 53
M18	11 49	18 32	4 49	20 12	2 16	2 26	1 38	20 56	0 44	23 19	0 9	16 10	1 9	23 0	0 7	15 52	1 50	24 27	14 19	12 27	12 28	5 56	9 4	5 53
T 19	12 10	16 48	5 11	20 37	2 20	1 58	1 39	21 6	0 44	23 19	0 9	16 9	1 9	23 0	0 7	15 52	1 50	24 27	14 19	12 27	12 26	5 58	9 2	5 54
W20	12 31	14 18	5 18	21 2	2 24	1 29	1 40	21 16	0 45	23 19	0 9	16 8	1 10	23 1	0 7	15 52	1 50	24 27	14 18	12 27	12 25	6 0	9 0	5 54
T 21	12 52	11 11	5 10	21 25	2 27	1 1	1 41	21 26	0 45	23 19	0 9	16 7	1 10	23 1	0 7	15 51	1 50	24 27	14 18	12 27	12 24	6 1	8 58	5 55
F 22	13 12	7 40	4 47	21 47	2 30	0 32	1 41	21 35	0 46	23 19	0 9	16 6	1 10	23 1	0 7	15 51	1 50	24 27	14 18	12 27	12 23	6 3	8 57	5 55
S 23	13 33	3 54	4 13	22 7	2 33	0 3	1 42	21 44	0 46	23 19	0 8	16 5	1 10	23 1	0 7	15 50	1 50	24 27	14 18	12 27	12 22	6 5	8 55	5 56
S 24	13 53	0 0	3 27	22 26	2 35	0s25	1 43	21 53	0 46	23 19	0 8	16 4	1 10	23 2	0 7	15 50	1 50	24 26	14 17	12 27	12 21	6 7	8 53	5 57
M25	14 12	3n53	2 34	22 44	2 37	0 54	1 44	22 2	0 47	23 20	0 8	16 3	1 11	23 2	0 7	15 49	1 50	24 26	14 17	12 27	12 20	6 9	8 51	5 57
T 26	14 32	7 37	1 33	23 0	2 38	1 23	1 44	22 10	0 47	23 20	0 8	16 3	1 11	23 2	0 7	15 49	1 50	24 26	14 17	12 28	12 19	6 11	8 50	5 58
W27	14 51	11 5	0 29	23 15	2 38	1 52	1 44	22 18	0 48	23 20	0 8	16 2	1 11	23 3	0 7	15 48	1 50	24 26	14 16	12 28	12 18	6 13	8 48	5 58
T 28	15 10	14 7	0s37	23 28	2 38	2 21	1 45	22 26	0 48	23 20	0 8	16 1	1 11	23 3	0 7	15 48	1 50	24 26	14 16	12 28	12 17	6 14	8 46	5 59
F 29	15 29	16 34	1 43	23 39	2 37	2 50	1 45	22 34	0 49	23 20	0 8	16 0	1 11	23 3	0 7	15 47	1 50	24 26	14 16	12 27	12 15	6 16	8 45	5 59
S 30	15 48	18 19	2 44	23 49	2 36	3 19	1 45	22 42	0 49	23 20	0 8	16 0	1 12	23 4	0 7	15 47	1 50	24 26	14 16	12 27	12 14	6 18	8 43	6 0
S 31	16s 6	19n12	3s38	23s56	2s33	3s47	1n45	22s49	0s50	23n21	0s 8	15n59	1n12	23s 4	0s 7	15n46	1s50	24s25	14s15	12s27	12s13	6n20	8n41	6s 1

Julian Day Number = 2109957.5, Delta T = 19m45s
Ecliptic obliquity = 23°33'31, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°42'11, Lahiri = 10°49'12 Julian Calendar 1 Oct. 1064 == Greg. Calendar 7 Oct. 1064

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

NOVEMBER 1064 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 4 58	14♏56'43	28♊37	6♐55	14♎52	10♐22	4°R44	20♌11	17♐17	18°R54	1°R 0	2°R36	1♏56	11♈57	21♌38	M 1
T 2	3 8 54	15°57'24	11♋25	7°41	16° 7	11° 7	4♋41	20°13	17°20	18♉52	1♓ 0	2♏34	1°53	12° 3	21°41	T 2
W 3	3 12 51	16°58'06	24°28	8°22	17°21	11°52	4°38	20°16	17°23	18°51	1° 0	2°32	1°49	12°10	21°44	W 3
T 4	3 16 47	17°58'50	7♌47	8°56	18°35	12°38	4°34	20°18	17°27	18°49	1° 0	2°31	1°46	12°17	21°47	T 4
F 5	3 20 44	18°59'35	21°26	9°24	19°50	13°23	4°31	20°20	17°30	18°47	1° 0	2°D31	1°43	12°23	21°49	F 5
S 6	3 24 40	20° 0'23	5♍23	9°44	21° 4	14° 9	4°27	20°22	17°33	18°46	1° 0	2°32	1°40	12°30	21°52	S 6
S 7	3 28 37	21° 1'11	19°38	9°55	22°19	14°54	4°23	20°24	17°37	18°44	1° 0	2°33	1°37	12°37	21°55	S 7
M 8	3 32 34	22° 2'02	4♎11	9°R57	23°33	15°40	4°19	20°26	17°40	18°42	1° 0	2°34	1°33	12°43	21°57	M 8
T 9	3 36 30	23° 2'54	18°56	9°49	24°48	16°25	4°14	20°28	17°43	18°41	1°D 0	2°35	1°30	12°50	21°59	T 9
W10	3 40 27	24° 3'47	3♏48	9°30	26° 2	17°11	4° 9	20°30	17°47	18°39	1° 0	2°R36	1°27	12°56	22° 2	W10
T 11	3 44 23	25° 4'41	18°40	9° 0	27°17	17°57	4° 5	20°32	17°50	18°37	1° 0	2°35	1°24	13° 3	22° 4	T 11
F 12	3 48 20	26° 5'37	3♐25	8°20	28°32	18°43	4° 0	20°33	17°53	18°36	1° 0	2°33	1°21	13°10	22° 6	F 12
S 13	3 52 16	27° 6'34	17°54	7°28	29°46	19°28	3°55	20°35	17°57	18°34	1° 0	2°30	1°18	13°16	22° 8	S 13
S 14	3 56 13	28° 7'32	2♑ 2	6°27	1♏ 1	20°14	3°49	20°36	18° 0	18°32	1° 0	2°26	1°14	13°23	22°10	S 14
M15	4 0 9	29° 8'31	15°44	5°16	2°16	21° 0	3°44	20°37	18° 4	18°30	1° 0	2°22	1°11	13°30	22°11	M15
T 16	4 4 6	0♐ 9'31	29° 1	3°59	3°30	21°46	3°38	20°38	18° 7	18°29	1° 0	2°18	1° 8	13°36	22°13	T 16
W17	4 8 3	1°10'31	11♒53	2°38	4°45	22°32	3°33	20°39	18°11	18°27	1° 1	2°15	1° 5	13°43	22°14	W17
T 18	4 11 59	2°11'32	24°22	1°15	6° 0	23°18	3°27	20°40	18°14	18°26	1° 1	2°14	1° 2	13°50	22°16	T 18
F 19	4 15 56	3°12'33	6♓34	29♏53	7°15	24° 4	3°21	20°41	18°18	18°24	1° 1	2°D14	0°59	13°56	22°17	F 19
S 20	4 19 52	4°13'35	18°32	28°35	8°30	24°51	3°14	20°41	18°21	18°22	1° 1	2°14	0°55	14° 3	22°18	S 20
S 21	4 23 49	5°14'38	0♈23	27°24	9°45	25°37	3° 8	20°42	18°25	18°21	1° 2	2°16	0°52	14°10	22°19	S 21
M22	4 27 45	6°15'41	12°10	26°20	10°59	26°23	3° 2	20°42	18°28	18°19	1° 2	2°18	0°49	14°16	22°20	M22
T 23	4 31 42	7°16'45	23°59	25°27	12°14	27° 9	2°55	20°43	18°32	18°17	1° 2	2°19	0°46	14°23	22°21	T 23
W24	4 35 38	8°17'50	5♉54	24°44	13°29	27°56	2°48	20°43	18°36	18°16	1° 3	2°R20	0°43	14°30	22°22	W24
T 25	4 39 35	9°18'55	17°57	24°12	14°44	28°42	2°41	20°R43	18°39	18°14	1° 3	2°18	0°39	14°36	22°22	T 25
F 26	4 43 32	10°20'00	0♊12	23°52	15°59	29°28	2°35	20°43	18°43	18°13	1° 4	2°15	0°36	14°43	22°23	F 26
S 27	4 47 28	11°21'06	12°40	23°D42	17°14	0♑15	2°27	20°43	18°46	18°11	1° 4	2°10	0°33	14°50	22°23	S 27
S 28	4 51 25	12°22'13	25°22	23°43	18°29	1° 1	2°20	20°42	18°50	18°10	1° 4	2° 3	0°30	14°56	22°23	S 28
M29	4 55 21	13°23'21	8♋17	23°53	19°44	1°48	2°13	20°42	18°53	18° 8	1° 5	1°56	0°27	15° 3	22°24	M29
T 30	4 59 18	14♐24'29	21♋25	24♏11	20♏59	2♑34	2♋ 6	20♌41	18♐57	18♉ 7	1♓ 5	1♏48	0♏24	15♈ 9	22°R24	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16s24	19n10	4s23	24s 2	2s30	4s16	1n45	22s56	0s50	23n21	0s 7	15n58	1n12	23s 4	0s 7	15n46	1s50	24s25	14s15	12s26	12s12	6n22	8n40	6s 1
T 2	16 42	18 9	4 56	24 6	2 26	4 45	1 45	23 3	0 51	23 21	0 7	15 58	1 12	23 5	0 7	15 46	1 50	24 25	14 15	12 25	12 11	6 24	8 38	6 2
W 3	16 59	16 11	5 14	24 7	2 20	5 14	1 45	23 10	0 51	23 21	0 7	15 57	1 12	23 5	0 7	15 45	1 50	24 25	14 14	12 25	12 10	6 26	8 37	6 2
T 4	17 16	13 20	5 15	24 6	2 14	5 42	1 45	23 16	0 51	23 22	0 7	15 56	1 13	23 5	0 7	15 45	1 50	24 24	14 14	12 25	12 9	6 27	8 35	6 3
F 5	17 33	9 42	5 0	24 3	2 6	6 11	1 45	23 23	0 52	23 22	0 7	15 56	1 13	23 5	0 7	15 44	1 50	24 24	14 14	12 24	12 8	6 29	8 34	6 3
S 6	17 50	5 27	4 26	23 57	1 57	6 39	1 44	23 29	0 52	23 22	0 7	15 55	1 13	23 6	0 7	15 44	1 50	24 24	14 13	12 25	12 7	6 31	8 32	6 4
S 7	18 6	0 49	3 36	23 48	1 47	7 7	1 44	23 34	0 53	23 22	0 7	15 55	1 13	23 6	0 7	15 43	1 50	24 24	14 13	12 25	12 6	6 33	8 31	6 5
M 8	18 22	3s58	2 31	23 37	1 35	7 35	1 43	23 40	0 53	23 23	0 7	15 55	1 14	23 6	0 7	15 43	1 50	24 23	14 13	12 25	12 4	6 35	8 30	6 5
T 9	18 38	8 36	1 15	23 22	1 21	8 3	1 43	23 45	0 53	23 23	0 7	15 54	1 14	23 7	0 7	15 42	1 50	24 23	14 13	12 26	12 3	6 37	8 28	6 6
W10	18 53	12 45	0n 7	23 5	1 6	8 31	1 42	23 50	0 54	23 23	0 6	15 54	1 14	23 7	0 7	15 42	1 50	24 23	14 12	12 26	12 2	6 39	8 27	6 6
T 11	19 8	16 4	1 28	22 44	0 50	8 59	1 41	23 55	0 54	23 23	0 6	15 53	1 14	23 7	0 7	15 41	1 50	24 23	14 12	12 26	12 1	6 40	8 26	6 7
F 12	19 22	18 18	2 42	22 20	0 32	9 26	1 40	23 59	0 55	23 24	0 6	15 53	1 14	23 8	0 7	15 41	1 50	24 22	14 12	12 25	12 0	6 42	8 25	6 8
S 13	19 37	19 17	3 44	21 53	0 13	9 54	1 40	24 3	0 55	23 24	0 6	15 53	1 15	23 8	0 8	15 41	1 50	24 22	14 11	12 24	11 59	6 44	8 23	6 8
S 14	19 50	19 1	4 31	21 23	0n 7	10 21	1 39	24 7	0 55	23 24	0 6	15 53	1 15	23 8	0 8	15 40	1 50	24 22	14 11	12 23	11 58	6 46	8 22	6 9
M15	20 4	17 38	5 1	20 51	0 27	10 48	1 38	24 11	0 56	23 25	0 6	15 53	1 15	23 9	0 8	15 40	1 50	24 21	14 11	12 21	11 57	6 48	8 21	6 10
T 16	20 17	15 20	5 14	20 16	0 48	11 14	1 36	24 14	0 56	23 25	0 6	15 52	1 15	23 9	0 8	15 39	1 50	24 21	14 10	12 20	11 56	6 50	8 20	6 10
W17	20 30	12 21	5 10	19 41	1 8	11 40	1 35	24 17	0 56	23 25	0 5	15 52	1 16	23 9	0 8	15 39	1 50	24 21	14 10	12 19	11 54	6 51	8 19	6 11
T 18	20 42	8 53	4 51	19 6	1 27	12 7	1 34	24 20	0 57	23 25	0 5	15 52	1 16	23 10	0 8	15 38	1 50	24 20	14 10	12 18	11 53	6 53	8 18	6 11
F 19	20 54	5 8	4 20	18 32	1 44	12 32	1 33	24 23	0 57	23 26	0 5	15 52	1 16	23 10	0 8	15 38	1 50	24 20	14 9	12 18	11 52	6 55	8 17	6 12
S 20	21 6	1 13	3 37	17 59	2 1	12 58	1 31	24 25	0 57	23 26	0 5	15 52	1 16	23 10	0 8	15 37	1 50	24 19	14 9	12 19	11 51	6 57	8 16	6 13
S 21	21 17	2n41	2 46	17 30	2 14	13 23	1 30	24 27	0 58	23 26	0 5	15 52	1 16	23 11	0 8	15 37	1 50	24 19	14 9	12 19	11 50	6 59	8 15	6 13
M22	21 28	6 29	1 48	17 4	2 26	13 48	1 28	24 29	0 58	23 27	0 5	15 52	1 17	23 11	0 8	15 37	1 50	24 19	14 9	12 20	11 49	7 0	8 14	6 14
T 23	21 38	10 3	0 46	16 42	2 36	14 12	1 27	24 30	0 58	23 27	0 5	15 53	1 17	23 11	0 8	15 36	1 50	24 18	14 8	12 20	11 48	7 2	8 13	6 14
W24	21 48	13 15	0s19	16 25	2 43	14 37	1 25	24 31	0 59	23 27	0 5	15 53	1 17	23 11	0 8	15 36	1 50	24 18	14 8	12 20	11 47	7 4	8 13	6 15
T 25	21 57	15 55	1 24	16 12	2 48	15 0	1 24	24 32	0 59	23 27	0 4	15 53	1 17	23 12	0 8	15 35	1 50	24 17	14 8	12 20	11 46	7 6	8 12	6 16
F 26	22 7	17 55	2 26	16 4	2 51	15 24	1 22	24 33	0 59	23 28	0 4	15 53	1 18	23 12	0 8	15 35	1 50	24 17	14 7	12 19	11 44	7 8	8 11	6 16
S 27	22 15	19 6	3 22	16 1	2 52	15 47	1 20	24 33	1 0	23 28	0 4	15 53	1 18	23 12	0 8	15 35	1 50	24 16	14 7	12 17	11 43	7 9	8 10	6 17
S 28	22 23	19 20	4 9	16 1	2 52	16 10	1 18	24 33	1 0	23 28	0 4	15 54	1 18	23 13	0 8	15 34	1 50	24 16	14 7	12 15	11 42	7 11	8 10	6 17
M29	22 31	18 35	4 43	16 5	2 50	16 32	1 16	24 33	1 0	23 29	0 4	15 54	1 18	23 13	0 8	15 34	1 50	24 16	14 6	12 12	11 41	7 13	8 9	6 18
T 30	22s39	16n50	5s 4	16s13	2n47	16s54	1n15	24s32	1s 0	23n29	0s 4	15n54	1n18	23s13	0s 8	15n33	1s49	24s15	14s 6	12s10	11s40	7n15	8n 9	6s19

Julian Day Number = 2109988.5, Delta T = 19m44s
Ecliptic obliquity = 23°33'30, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°42'16, Lahiri = 10°49'16 Julian Calendar 1 Nov. 1064 == Greg. Calendar 7 Nov. 1064

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1064
geocentric

DECEMBER 1064 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 3 14	15♐25'37	4♌45	24♏38	22♏14	3♑21	1°R58	20°R41	19♐ 1	18°R 5	1♓ 6	1°R41	0♏20	15♈16	22°R24	W 1
T 2	5 7 11	16°26'47	18°17	25°12	23°29	4° 8	1♋51	20♌40	19° 4	18♉ 4	1° 7	1♏36	0°17	15°23	22♌23	T 2
F 3	5 11 7	17°27'56	2♍ 0	25°52	24°45	4°54	1°43	20°39	19° 8	18° 2	1° 7	1°33	0°14	15°29	22°23	F 3
S 4	5 15 4	18°29'07	15°53	26°37	26° 0	5°41	1°35	20°38	19°12	18° 1	1° 8	1°D32	0°11	15°36	22°23	S 4
S 5	5 19 1	19°30'18	29°56	27°28	27°15	6°28	1°28	20°37	19°15	18° 0	1° 8	1°32	0° 8	15°43	22°22	S 5
M 6	5 22 57	20°31'30	14♎ 9	28°24	28°30	7°14	1°20	20°36	19°19	17°58	1° 9	1°33	0° 5	15°49	22°22	M 6
T 7	5 26 54	21°32'42	28°29	29°23	29°45	8° 1	1°12	20°35	19°22	17°57	1°10	1°R34	0° 1	15°56	22°21	T 7
W 8	5 30 50	22°33'55	12♏54	0♐25	1♐ 0	8°48	1° 4	20°34	19°26	17°55	1°11	1°33	29♎58	16° 3	22°20	W 8
T 9	5 34 47	23°35'08	27°20	1°31	2°15	9°35	0°56	20°32	19°30	17°54	1°11	1°31	29°55	16° 9	22°19	T 9
F 10	5 38 43	24°36'22	11♐43	2°40	3°30	10°22	0°48	20°31	19°33	17°53	1°12	1°26	29°52	16°16	22°18	F 10
S 11	5 42 40	25°37'36	25°56	3°51	4°46	11° 9	0°40	20°29	19°37	17°52	1°13	1°18	29°49	16°23	22°17	S 11
S 12	5 46 37	26°38'49	9♑54	5° 3	6° 1	11°56	0°32	20°27	19°40	17°50	1°14	1° 8	29°45	16°29	22°15	S 12
M13	5 50 33	27°40'03	23°32	6°18	7°16	12°43	0°24	20°25	19°44	17°49	1°14	0°58	29°42	16°36	22°14	M13
T 14	5 54 30	28°41'17	6♒48	7°35	8°31	13°30	0°16	20°23	19°48	17°48	1°15	0°48	29°39	16°43	22°13	T 14
W15	5 58 26	29°42'30	19°42	8°53	9°46	14°17	0° 7	20°21	19°51	17°47	1°16	0°40	29°36	16°49	22°11	W15
T 16	6 2 23	0♑43'43	2♓14	10°12	11° 2	15° 4	29♊59	20°19	19°55	17°46	1°17	0°33	29°33	16°56	22° 9	T 16
F 17	6 6 19	1°44'55	14°27	11°33	12°17	15°51	29°51	20°17	19°58	17°44	1°18	0°29	29°30	17° 3	22° 7	F 17
S 18	6 10 16	2°46'07	26°27	12°55	13°32	16°38	29°43	20°14	20° 2	17°43	1°19	0°28	29°26	17° 9	22° 5	S 18
S 19	6 14 12	3°47'18	8♈18	14°18	14°47	17°25	29°35	20°12	20° 6	17°42	1°20	0°D27	29°23	17°16	22° 3	S 19
M20	6 18 9	4°48'29	20° 6	15°41	16° 2	18°12	29°27	20° 9	20° 9	17°41	1°21	0°28	29°20	17°22	22° 1	M20
T 21	6 22 6	5°49'40	1♉55	17° 6	17°18	19° 0	29°19	20° 6	20°13	17°40	1°22	0°R28	29°17	17°29	21°59	T 21
W22	6 26 2	6°50'49	13°52	18°31	18°33	19°47	29°11	20° 4	20°16	17°39	1°23	0°27	29°14	17°36	21°57	W22
T 23	6 29 59	7°51'59	26° 1	19°57	19°48	20°34	29° 3	20° 1	20°20	17°38	1°24	0°24	29°11	17°42	21°54	T 23
F 24	6 33 55	8°53'07	8♊25	21°24	21° 3	21°21	28°55	19°58	20°23	17°37	1°25	0°18	29° 7	17°49	21°52	F 24
S 25	6 37 52	9°54'15	21° 7	22°52	22°18	22° 8	28°47	19°55	20°27	17°36	1°26	0°10	29° 4	17°56	21°49	S 25
S 26	6 41 48	10°55'23	4♋ 8	24°20	23°34	22°56	28°39	19°52	20°30	17°35	1°27	29♎59	29° 1	18° 2	21°47	S 26
M27	6 45 45	11°56'30	17°26	25°49	24°49	23°43	28°32	19°48	20°33	17°35	1°28	29°47	28°58	18° 9	21°44	M27
T 28	6 49 41	12°57'36	1♌ 1	27°18	26° 4	24°30	28°24	19°45	20°37	17°34	1°29	29°34	28°55	18°16	21°41	T 28
W29	6 53 38	13°58'42	14°47	28°48	27°19	25°18	28°16	19°42	20°40	17°33	1°30	29°23	28°51	18°22	21°38	W29
T 30	6 57 35	14°59'47	28°43	0♑19	28°34	26° 5	28° 9	19°38	20°44	17°32	1°32	29°14	28°48	18°29	21°35	T 30
F 31	7 1 31	16♑ 0'52	12♍44	1♑50	29♐49	26♑52	28♊ 2	19♌35	20♐47	17♉31	1♓33	29♎ 7	28♎45	18♈36	21♌32	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s45	14n10	5s 9	16s23	2n43	17s15	1n13	24s32	1s 1	23n29	0s 4	15n55	1n19	23s14	0s 8	15n33	1s49	24s15	14s 6	12s 7	11s39	7n17	8n 8	6s19
T 2	22 52	10 43	4 56	16 36	2 38	17 36	1 11	24 30	1 1	23 29	0 3	15 55	1 19	23 14	0 8	15 33	1 49	24 14	14 6	12 5	11 38	7 18	8 8	6 20
F 3	22 58	6 40	4 27	16 51	2 33	17 56	1 9	24 29	1 1	23 30	0 3	15 56	1 19	23 14	0 8	15 32	1 49	24 14	14 5	12 4	11 37	7 20	8 7	6 20
S 4	23 3	2 11	3 41	17 7	2 27	18 16	1 6	24 27	1 1	23 30	0 3	15 56	1 19	23 15	0 8	15 32	1 49	24 13	14 5	12 4	11 35	7 22	8 7	6 21
S 5	23 8	2s27	2 42	17 25	2 20	18 36	1 4	24 26	1 2	23 30	0 3	15 57	1 20	23 15	0 8	15 32	1 49	24 13	14 5	12 4	11 34	7 24	8 6	6 22
M 6	23 13	7 2	1 33	17 44	2 13	18 55	1 2	24 23	1 2	23 30	0 3	15 57	1 20	23 15	0 8	15 31	1 49	24 12	14 4	12 4	11 33	7 26	8 6	6 22
T 7	23 17	11 15	0 17	18 4	2 6	19 13	1 0	24 21	1 2	23 30	0 3	15 58	1 20	23 15	0 8	15 31	1 49	24 12	14 4	12 5	11 32	7 27	8 6	6 23
W 8	23 21	14 49	1n 1	18 25	1 58	19 31	0 58	24 18	1 2	23 31	0 3	15 59	1 20	23 16	0 8	15 31	1 49	24 11	14 4	12 4	11 31	7 29	8 5	6 23
T 9	23 24	17 29	2 14	18 46	1 50	19 49	0 56	24 15	1 2	23 31	0 2	15 59	1 20	23 16	0 8	15 30	1 49	24 10	14 4	12 4	11 30	7 31	8 5	6 24
F 10	23 27	19 1	3 19	19 8	1 42	20 5	0 53	24 12	1 3	23 31	0 2	16 0	1 21	23 16	0 8	15 30	1 49	24 10	14 3	12 2	11 29	7 33	8 5	6 25
S 11	23 29	19 20	4 10	19 29	1 34	20 22	0 51	24 8	1 3	23 31	0 2	16 1	1 21	23 17	0 8	15 30	1 49	24 9	14 3	11 59	11 28	7 35	8 5	6 25
S 12	23 31	18 27	4 45	19 51	1 25	20 37	0 49	24 4	1 3	23 31	0 2	16 1	1 21	23 17	0 8	15 29	1 49	24 9	14 3	11 56	11 27	7 36	8 5	6 26
M13	23 32	16 31	5 3	20 12	1 17	20 52	0 46	24 0	1 3	23 32	0 2	16 2	1 21	23 17	0 8	15 29	1 49	24 8	14 2	11 52	11 25	7 38	8 5	6 26
T 14	23 33	13 46	5 4	20 33	1 9	21 7	0 44	23 55	1 3	23 32	0 2	16 3	1 22	23 18	0 8	15 29	1 49	24 8	14 2	11 49	11 24	7 40	8 5	6 27
W15	23 33	10 25	4 49	20 54	1 1	21 21	0 41	23 51	1 4	23 32	0 2	16 4	1 22	23 18	0 8	15 28	1 49	24 7	14 2	11 46	11 23	7 42	8 5	6 27
T 16	23 33	6 41	4 20	21 14	0 52	21 34	0 39	23 45	1 4	23 32	0 1	16 5	1 22	23 18	0 8	15 28	1 49	24 7	14 2	11 43	11 22	7 43	8 5	6 28
F 17	23 33	2 45	3 41	21 33	0 44	21 47	0 36	23 40	1 4	23 32	0 1	16 6	1 22	23 18	0 8	15 28	1 49	24 6	14 1	11 42	11 21	7 45	8 5	6 28
S 18	23 32	1n12	2 52	21 52	0 36	21 59	0 34	23 35	1 4	23 32	0 1	16 7	1 22	23 19	0 8	15 28	1 49	24 5	14 1	11 41	11 20	7 47	8 5	6 29
S 19	23 30	5 5	1 56	22 10	0 28	22 10	0 31	23 29	1 4	23 32	0 1	16 8	1 23	23 19	0 8	15 27	1 49	24 5	14 1	11 41	11 19	7 49	8 5	6 29
M20	23 28	8 45	0 55	22 27	0 20	22 21	0 29	23 23	1 4	23 33	0 1	16 9	1 23	23 19	0 8	15 27	1 49	24 4	14 1	11 42	11 17	7 50	8 5	6 30
T 21	23 26	12 5	0s 8	22 44	0 12	22 31	0 26	23 16	1 4	23 33	0 1	16 10	1 23	23 19	0 8	15 27	1 49	24 4	14 0	11 42	11 16	7 52	8 5	6 30
W22	23 23	14 57	1 11	22 59	0 4	22 40	0 24	23 9	1 5	23 33	0 1	16 11	1 23	23 20	0 8	15 27	1 49	24 3	14 0	11 41	11 15	7 54	8 6	6 31
T 23	23 19	17 13	2 12	23 14	0s 3	22 49	0 21	23 2	1 5	23 33	0 0	16 12	1 23	23 20	0 8	15 26	1 48	24 2	14 0	11 40	11 14	7 56	8 6	6 31
F 24	23 16	18 44	3 8	23 27	0 11	22 56	0 19	22 55	1 5	23 33	0 0	16 13	1 24	23 20	0 8	15 26	1 48	24 2	14 0	11 38	11 13	7 58	8 6	6 32
S 25	23 11	19 21	3 55	23 40	0 18	23 4	0 16	22 48	1 5	23 33	0 0	16 14	1 24	23 21	0 8	15 26	1 48	24 1	13 59	11 35	11 12	7 59	8 7	6 32
S 26	23 6	18 58	4 32	23 51	0 25	23 10	0 14	22 40	1 5	23 33	0n 0	16 15	1 24	23 21	0 8	15 26	1 48	24 1	13 59	11 31	11 11	8 1	8 7	6 33
M27	23 1	17 33	4 55	24 1	0 32	23 16	0 11	22 32	1 5	23 33	0 0	16 17	1 24	23 21	0 8	15 26	1 48	24 0	13 59	11 27	11 10	8 3	8 8	6 33
T 28	22 55	15 8	5 1	24 10	0 39	23 21	0 9	22 24	1 5	23 33	0 0	16 18	1 24	23 21	0 8	15 25	1 48	23 59	13 59	11 23	11 8	8 5	8 8	6 33
W29	22 49	11 50	4 51	24 18	0 45	23 26	0 6	22 15	1 5	23 33	0 0	16 19	1 25	23 22	0 8	15 25	1 48	23 59	13 59	11 19	11 7	8 6	8 9	6 34
T 30	22 43	7 52	4 23	24 25	0 52	23 29	0 4	22 6	1 5	23 33	0 1	16 20	1 25	23 22	0 8	15 25	1 48	23 58	13 58	11 15	11 6	8 8	8 9	6 34
F 31	22s36	3n26	3s39	24s30	0s58	23s32	0n 1	21s57	1s 5	23n33	0n 1	16n22	1n25	23s22	0s 8	15n25	1s48	23s57	13s58	11s13	11s 5	8n10	8n10	6s35

Julian Day Number = 2110018.5, Delta T = 19m44s
Ecliptic obliquity = 23°33'29, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°42'20, Lahiri = 10°49'20 Julian Calendar 1 Dec. 1064 == Greg. Calendar 7 Dec. 1064

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1065
geocentric

JANUARY 1065 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 5 28	17♉ 1'56	26♍48	3♉22	1♉ 5	27♉40	27°R54	19°R31	20♐50	17°R31	1♓34	29°R 3	28♎42	18♈42	21°R28	S 1
S 2	7 9 24	18° 3'00	10♎53	4°55	2°20	28°27	27♊47	19♌27	20°54	17♉30	1°35	29♎ 2	28°39	18°49	21♌25	S 2
M 3	7 13 21	19° 4'04	24°58	6°28	3°35	29°14	27°40	19°24	20°57	17°29	1°36	29° 2	28°36	18°56	21°22	M 3
T 4	7 17 17	20° 5'07	9♏ 2	8° 1	4°50	0♒ 2	27°33	19°20	21° 0	17°29	1°38	29° 2	28°32	19° 2	21°18	T 4
W 5	7 21 14	21° 6'09	23° 4	9°35	6° 5	0°49	27°26	19°16	21° 4	17°28	1°39	29° 0	28°29	19° 9	21°15	W 5
T 6	7 25 10	22° 7'11	7♐ 4	11°10	7°21	1°37	27°19	19°12	21° 7	17°28	1°40	28°56	28°26	19°16	21°11	T 6
F 7	7 29 7	23° 8'12	20°58	12°46	8°36	2°24	27°13	19° 8	21°10	17°27	1°42	28°49	28°23	19°22	21° 8	F 7
S 8	7 33 4	24° 9'12	4♉45	14°22	9°51	3°11	27° 6	19° 4	21°13	17°27	1°43	28°38	28°20	19°29	21° 4	S 8
S 9	7 37 0	25°10'12	18°21	15°59	11° 6	3°59	27° 0	19° 0	21°16	17°26	1°44	28°26	28°17	19°35	21° 0	S 9
M10	7 40 57	26°11'10	1♒42	17°36	12°21	4°46	26°53	18°55	21°20	17°26	1°45	28°12	28°13	19°42	20°56	M10
T 11	7 44 53	27°12'07	14°47	19°14	13°37	5°34	26°47	18°51	21°23	17°26	1°47	27°59	28°10	19°49	20°52	T 11
W12	7 48 50	28°13'03	27°33	20°53	14°52	6°21	26°41	18°47	21°26	17°25	1°48	27°47	28° 7	19°55	20°48	W12
T 13	7 52 46	29°13'58	10♓ 1	22°33	16° 7	7° 9	26°36	18°42	21°29	17°25	1°50	27°37	28° 4	20° 2	20°44	T 13
F 14	7 56 43	0♒14'51	22°13	24°13	17°22	7°56	26°30	18°38	21°32	17°25	1°51	27°30	28° 1	20° 9	20°40	F 14
S 15	8 0 39	1°15'43	4♈13	25°54	18°37	8°44	26°24	18°33	21°35	17°24	1°52	27°26	27°57	20°15	20°36	S 15
S 16	8 4 36	2°16'33	16° 4	27°36	19°52	9°31	26°19	18°29	21°38	17°24	1°54	27°24	27°54	20°22	20°32	S 16
M17	8 8 33	3°17'22	27°51	29°18	21° 7	10°19	26°14	18°24	21°41	17°24	1°55	27°24	27°51	20°29	20°27	M17
T 18	8 12 29	4°18'10	9♉40	1♒ 2	22°23	11° 6	26° 9	18°20	21°44	17°24	1°57	27°24	27°48	20°35	20°23	T 18
W19	8 16 26	5°18'55	21°37	2°46	23°38	11°53	26° 4	18°15	21°47	17°24	1°58	27°23	27°45	20°42	20°19	W19
T 20	8 20 22	6°19'40	3♊47	4°31	24°53	12°41	25°59	18°10	21°49	17°24	2° 0	27°20	27°42	20°49	20°14	T 20
F 21	8 24 19	7°20'22	16°15	6°16	26° 8	13°28	25°55	18° 6	21°52	17°D24	2° 1	27°15	27°38	20°55	20°10	F 21
S 22	8 28 15	8°21'03	29° 4	8° 3	27°23	14°16	25°51	18° 1	21°55	17°24	2° 3	27° 7	27°35	21° 2	20° 5	S 22
S 23	8 32 12	9°21'43	12♋16	9°50	28°38	15° 3	25°46	17°56	21°58	17°24	2° 4	26°57	27°32	21° 8	20° 1	S 23
M24	8 36 8	10°22'20	25°52	11°38	29°53	15°51	25°42	17°52	22° 0	17°24	2° 6	26°45	27°29	21°15	19°56	M24
T 25	8 40 5	11°22'57	9♌48	13°27	1♒ 8	16°38	25°39	17°47	22° 3	17°24	2° 7	26°32	27°26	21°22	19°52	T 25
W26	8 44 2	12°23'31	24° 1	15°16	2°23	17°25	25°35	17°42	22° 6	17°24	2° 9	26°21	27°22	21°28	19°47	W26
T 27	8 47 58	13°24'04	8♍25	17° 6	3°38	18°13	25°32	17°37	22° 8	17°24	2°10	26°12	27°19	21°35	19°43	T 27
F 28	8 51 55	14°24'36	22°53	18°57	4°53	19° 0	25°28	17°32	22°11	17°25	2°12	26° 5	27°16	21°42	19°38	F 28
S 29	8 55 51	15°25'06	7♎19	20°48	6° 8	19°48	25°25	17°28	22°13	17°25	2°13	26° 1	27°13	21°48	19°34	S 29
S 30	8 59 48	16°25'35	21°41	22°40	7°23	20°35	25°23	17°23	22°16	17°25	2°15	26°D 0	27°10	21°55	19°29	S 30
M31	9 3 44	17♒26'02	5♏53	24♒32	8♒38	21♒22	25♊20	17♌18	22♐18	17♉25	2♓16	26♎ 0	27♎ 7	22♈ 2	19♌24	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s28	1s12	2s42	24s35	1s 4	23s35	0s 1	21s48	1s 5	23n33	0n 1	16n23	1n25	23s22	0s 8	15n25	1s48	23s57	13s58	11s12	11s 4	8n11	8n10	6s35
S 2	22 20	5 47	1 35	24 37	1 9	23 36	0 4	21 39	1 5	23 33	0 1	16 24	1 25	23 23	0 8	15 25	1 48	23 56	13 58	11 11	11 3	8 13	8 11	6 35
M 3	22 12	10 3	0 22	24 39	1 15	23 37	0 7	21 29	1 6	23 33	0 1	16 26	1 25	23 23	0 8	15 25	1 48	23 56	13 57	11 11	11 2	8 15	8 12	6 36
T 4	22 3	13 45	0n53	24 39	1 20	23 37	0 9	21 19	1 6	23 33	0 1	16 27	1 26	23 23	0 8	15 25	1 48	23 55	13 57	11 11	11 1	8 17	8 13	6 36
W 5	21 54	16 38	2 4	24 38	1 25	23 36	0 11	21 8	1 6	23 33	0 1	16 29	1 26	23 23	0 8	15 24	1 48	23 54	13 57	11 10	10 59	8 18	8 13	6 36
T 6	21 44	18 32	3 7	24 35	1 30	23 35	0 14	20 58	1 6	23 33	0 2	16 30	1 26	23 24	0 8	15 24	1 48	23 54	13 57	11 9	10 58	8 20	8 14	6 37
F 7	21 34	19 17	3 58	24 31	1 34	23 33	0 16	20 47	1 6	23 33	0 2	16 31	1 26	23 24	0 8	15 24	1 48	23 53	13 57	11 6	10 57	8 22	8 15	6 37
S 8	21 23	18 54	4 35	24 25	1 39	23 30	0 19	20 36	1 6	23 33	0 2	16 33	1 26	23 24	0 8	15 24	1 48	23 52	13 57	11 3	10 56	8 24	8 16	6 37
S 9	21 12	17 25	4 56	24 18	1 43	23 27	0 21	20 25	1 6	23 33	0 2	16 34	1 26	23 24	0 8	15 24	1 48	23 52	13 56	10 58	10 55	8 25	8 17	6 38
M10	21 1	15 1	5 0	24 9	1 46	23 22	0 24	20 14	1 6	23 33	0 2	16 36	1 27	23 24	0 8	15 24	1 47	23 51	13 56	10 53	10 54	8 27	8 18	6 38
T 11	20 49	11 54	4 48	23 59	1 50	23 17	0 26	20 2	1 6	23 33	0 2	16 37	1 27	23 25	0 8	15 24	1 47	23 50	13 56	10 48	10 53	8 29	8 19	6 38
W12	20 37	8 18	4 21	23 47	1 53	23 12	0 28	19 50	1 6	23 33	0 2	16 39	1 27	23 25	0 8	15 24	1 47	23 50	13 56	10 44	10 51	8 30	8 20	6 38
T 13	20 25	4 25	3 43	23 33	1 55	23 5	0 31	19 38	1 5	23 33	0 3	16 40	1 27	23 25	0 8	15 24	1 47	23 49	13 56	10 41	10 50	8 32	8 21	6 39
F 14	20 12	0 26	2 55	23 18	1 58	22 58	0 33	19 26	1 5	23 33	0 3	16 42	1 27	23 25	0 8	15 24	1 47	23 48	13 56	10 38	10 49	8 34	8 22	6 39
S 15	19 59	3n31	2 0	23 2	2 0	22 50	0 35	19 13	1 5	23 33	0 3	16 43	1 27	23 25	0 8	15 24	1 47	23 48	13 55	10 37	10 48	8 36	8 23	6 39
S 16	19 45	7 16	1 0	22 43	2 1	22 42	0 37	19 0	1 5	23 33	0 3	16 45	1 28	23 26	0 8	15 24	1 47	23 47	13 55	10 36	10 47	8 37	8 24	6 39
M17	19 31	10 43	0s 2	22 24	2 2	22 32	0 39	18 48	1 5	23 33	0 3	16 46	1 28	23 26	0 8	15 24	1 47	23 46	13 55	10 36	10 46	8 39	8 25	6 39
T 18	19 17	13 46	1 5	22 2	2 3	22 22	0 42	18 34	1 5	23 33	0 3	16 48	1 28	23 26	0 8	15 24	1 47	23 46	13 55	10 36	10 45	8 41	8 27	6 40
W19	19 2	16 15	2 5	21 39	2 4	22 12	0 44	18 21	1 5	23 33	0 3	16 50	1 28	23 26	0 8	15 24	1 47	23 45	13 55	10 36	10 43	8 42	8 28	6 40
T 20	18 47	18 4	3 0	21 14	2 4	22 0	0 46	18 8	1 5	23 33	0 4	16 51	1 28	23 26	0 8	15 24	1 47	23 44	13 55	10 35	10 42	8 44	8 29	6 40
F 21	18 32	19 3	3 48	20 47	2 3	21 49	0 48	17 54	1 5	23 33	0 4	16 53	1 28	23 27	0 8	15 24	1 47	23 44	13 55	10 33	10 41	8 46	8 30	6 40
S 22	18 16	19 7	4 27	20 19	2 2	21 36	0 50	17 40	1 5	23 33	0 4	16 54	1 28	23 27	0 8	15 24	1 47	23 43	13 55	10 30	10 40	8 48	8 32	6 40
S 23	18 0	18 9	4 52	19 49	2 1	21 23	0 52	17 26	1 5	23 33	0 4	16 56	1 28	23 27	0 8	15 24	1 47	23 43	13 55	10 26	10 39	8 49	8 33	6 40
M24	17 44	16 9	5 1	19 17	1 59	21 9	0 54	17 12	1 5	23 33	0 4	16 58	1 29	23 27	0 8	15 24	1 47	23 42	13 54	10 22	10 38	8 51	8 34	6 40
T 25	17 27	13 10	4 53	18 44	1 57	20 54	0 55	16 57	1 5	23 33	0 4	16 59	1 29	23 27	0 8	15 24	1 46	23 41	13 54	10 17	10 37	8 53	8 36	6 40
W26	17 10	9 22	4 27	18 9	1 54	20 39	0 57	16 43	1 4	23 33	0 4	17 1	1 29	23 28	0 8	15 25	1 46	23 41	13 54	10 13	10 35	8 54	8 37	6 40
T 27	16 53	4 59	3 44	17 32	1 50	20 23	0 59	16 28	1 4	23 33	0 4	17 2	1 29	23 28	0 8	15 25	1 46	23 40	13 54	10 10	10 34	8 56	8 38	6 40
F 28	16 35	0 18	2 46	16 54	1 46	20 7	1 1	16 13	1 4	23 33	0 5	17 4	1 29	23 28	0 8	15 25	1 46	23 39	13 54	10 7	10 33	8 58	8 40	6 40
S 29	16 18	4s25	1 38	16 14	1 41	19 50	1 2	15 58	1 4	23 33	0 5	17 5	1 29	23 28	0 8	15 25	1 46	23 39	13 54	10 6	10 32	8 59	8 41	6 40
S 30	15 59	8 51	0 23	15 32	1 36	19 33	1 4	15 43	1 4	23 33	0 5	17 7	1 29	23 28	0 8	15 25	1 46	23 38	13 54	10 5	10 31	9 1	8 43	6 40
M31	15s41	12s44	0n52	14s50	1s30	19s15	1s 5	15s27	1s 4	23n33	0n 5	17n 9	1n29	23s28	0s 8	15n25	1s46	23s37	13s54	10s 6	10s30	9n 3	8n44	6s40

Julian Day Number = 2110049.5, Delta T = 19m44s
Ecliptic obliquity = 23°33'29, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°42'24, Lahiri = 10°49'25 Julian Calendar 1 Jan. 1065 == Greg. Calendar 7 Jan. 1065

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1065
geocentric

FEBRUARY 1065 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 7 41	18♒26'28	19♏56	26♒24	9♒53	22♒10	25°R17	17°R13	22♐21	17♉26	2♓18	26°R 0	27♎ 3	22♈ 8	19°R20	T 1
W 2	9 11 37	19°26'53	3♐49	28°17	11° 8	22°57	25♊15	17♌ 8	22°23	17°26	2°19	26♎ 0	27° 0	22°15	19♌15	W 2
T 3	9 15 34	20°27'17	17°32	0♓ 9	12°23	23°44	25°13	17° 3	22°25	17°27	2°21	25°57	26°57	22°22	19°10	T 3
F 4	9 19 31	21°27'39	1♉ 4	2° 0	13°38	24°32	25°11	16°58	22°28	17°27	2°22	25°51	26°54	22°28	19° 6	F 4
S 5	9 23 27	22°27'59	14°26	3°51	14°53	25°19	25°10	16°54	22°30	17°28	2°24	25°43	26°51	22°35	19° 1	S 5
S 6	9 27 24	23°28'18	27°37	5°42	16° 8	26° 6	25° 8	16°49	22°32	17°28	2°26	25°32	26°48	22°42	18°56	S 6
M 7	9 31 20	24°28'35	10♒35	7°30	17°23	26°53	25° 7	16°44	22°34	17°29	2°27	25°21	26°44	22°48	18°52	M 7
T 8	9 35 17	25°28'51	23°20	9°17	18°38	27°41	25° 6	16°39	22°36	17°29	2°29	25°10	26°41	22°55	18°47	T 8
W 9	9 39 13	26°29'04	5♓51	11° 2	19°53	28°28	25° 5	16°35	22°39	17°30	2°30	25° 0	26°38	23° 1	18°42	W 9
T 10	9 43 10	27°29'16	18° 9	12°44	21° 8	29°15	25° 4	16°30	22°41	17°30	2°32	24°52	26°35	23° 8	18°38	T 10
F 11	9 47 6	28°29'25	0♈15	14°23	22°23	0♓ 2	25° 4	16°25	22°43	17°31	2°34	24°46	26°32	23°15	18°33	F 11
S 12	9 51 3	29°29'33	12°11	15°59	23°38	0°49	25° 3	16°21	22°45	17°32	2°35	24°43	26°28	23°21	18°29	S 12
S 13	9 55 0	0♓29'38	24° 0	17°30	24°52	1°37	25°D 3	16°16	22°46	17°33	2°37	24°D42	26°25	23°28	18°24	S 13
M14	9 58 56	1°29'42	5♉47	18°56	26° 7	2°24	25° 3	16°11	22°48	17°33	2°38	24°42	26°22	23°35	18°20	M14
T 15	10 2 53	2°29'43	17°36	20°17	27°22	3°11	25° 4	16° 7	22°50	17°34	2°40	24°43	26°19	23°41	18°15	T 15
W16	10 6 49	3°29'42	29°31	21°31	28°37	3°58	25° 4	16° 2	22°52	17°35	2°42	24°R44	26°16	23°48	18°11	W16
T 17	10 10 46	4°29'39	11♊40	22°40	29°52	4°45	25° 5	15°58	22°54	17°36	2°43	24°44	26°13	23°55	18° 6	T 17
F 18	10 14 42	5°29'34	24° 6	23°41	1♓ 6	5°32	25° 6	15°53	22°55	17°37	2°45	24°42	26° 9	24° 1	18° 2	F 18
S 19	10 18 39	6°29'26	6♋54	24°35	2°21	6°19	25° 7	15°49	22°57	17°38	2°46	24°38	26° 6	24° 8	17°58	S 19
S 20	10 22 35	7°29'16	20° 8	25°22	3°36	7° 6	25° 8	15°45	22°58	17°39	2°48	24°32	26° 3	24°15	17°54	S 20
M21	10 26 32	8°29'04	3♌49	26° 0	4°51	7°53	25°10	15°40	23° 0	17°40	2°50	24°25	26° 0	24°21	17°49	M21
T 22	10 30 29	9°28'50	17°55	26°30	6° 5	8°40	25°11	15°36	23° 1	17°41	2°51	24°18	25°57	24°28	17°45	T 22
W23	10 34 25	10°28'34	2♍24	26°51	7°20	9°27	25°13	15°32	23° 3	17°42	2°53	24°11	25°54	24°34	17°41	W23
T 24	10 38 22	11°28'15	17° 9	27° 4	8°35	10°13	25°15	15°28	23° 4	17°43	2°54	24° 5	25°50	24°41	17°37	T 24
F 25	10 42 18	12°27'54	2♎ 1	27°R 9	9°50	11° 0	25°18	15°24	23° 5	17°44	2°56	24° 1	25°47	24°48	17°33	F 25
S 26	10 46 15	13°27'32	16°54	27° 5	11° 4	11°47	25°20	15°20	23° 7	17°45	2°58	24°D 0	25°44	24°54	17°29	S 26
S 27	10 50 11	14°27'07	1♏39	26°53	12°19	12°34	25°23	15°16	23° 8	17°47	2°59	24° 0	25°41	25° 1	17°25	S 27
M28	10 54 8	15♓26'41	16♏11	26♓34	13♓33	13♓20	25♊25	15♌12	23♐ 9	17♉48	3♓ 1	24♎ 1	25♎38	25♈ 8	17♌21	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s23	15s49	2n 4	14s 5	1s24	18s56	1s 7	15s12	1s 4	23n33	0n 5	17n10	1n29	23s28	0s 8	15n25	1s46	23s37	13s54	10s 6	10s28	9n 4	8n45	6s40
W 2	15 4	17 57	3 7	13 20	1 16	18 37	1 8	14 56	1 3	23 34	0 5	17 12	1 29	23 29	0 8	15 26	1 46	23 36	13 54	10 5	10 27	9 6	8 47	6 40
T 3	14 45	19 1	3 59	12 33	1 9	18 17	1 10	14 40	1 3	23 34	0 5	17 13	1 30	23 29	0 8	15 26	1 46	23 35	13 54	10 4	10 26	9 8	8 48	6 40
F 4	14 25	18 57	4 36	11 45	1 0	17 57	1 11	14 24	1 3	23 34	0 5	17 15	1 30	23 29	0 8	15 26	1 46	23 35	13 54	10 2	10 25	9 9	8 50	6 40
S 5	14 6	17 50	4 58	10 56	0 51	17 36	1 12	14 8	1 3	23 34	0 6	17 16	1 30	23 29	0 8	15 26	1 46	23 34	13 54	9 59	10 24	9 11	8 51	6 40
S 6	13 46	15 47	5 3	10 6	0 41	17 15	1 14	13 52	1 3	23 34	0 6	17 18	1 30	23 29	0 8	15 26	1 46	23 34	13 54	9 55	10 23	9 13	8 53	6 40
M 7	13 26	12 58	4 53	9 16	0 31	16 53	1 15	13 35	1 2	23 34	0 6	17 19	1 30	23 29	0 8	15 27	1 46	23 33	13 54	9 51	10 22	9 14	8 55	6 40
T 8	13 5	9 35	4 28	8 26	0 19	16 31	1 16	13 19	1 2	23 34	0 6	17 21	1 30	23 29	0 8	15 27	1 46	23 32	13 54	9 47	10 20	9 16	8 56	6 39
W 9	12 45	5 50	3 51	7 35	0 8	16 9	1 17	13 2	1 2	23 34	0 6	17 22	1 30	23 30	0 8	15 27	1 46	23 32	13 54	9 43	10 19	9 18	8 58	6 39
T 10	12 24	1 54	3 3	6 45	0n 4	15 46	1 18	12 45	1 2	23 34	0 6	17 24	1 30	23 30	0 8	15 27	1 45	23 31	13 54	9 40	10 18	9 19	8 59	6 39
F 11	12 3	2n 3	2 7	5 55	0 17	15 22	1 19	12 28	1 1	23 34	0 6	17 25	1 30	23 30	0 9	15 27	1 45	23 31	13 54	9 38	10 17	9 21	9 1	6 39
S 12	11 42	5 52	1 7	5 5	0 30	14 58	1 20	12 11	1 1	23 34	0 6	17 27	1 30	23 30	0 9	15 28	1 45	23 30	13 54	9 37	10 16	9 23	9 2	6 39
S 13	11 21	9 25	0 4	4 18	0 44	14 34	1 21	11 54	1 1	23 34	0 6	17 28	1 30	23 30	0 9	15 28	1 45	23 29	13 54	9 37	10 15	9 24	9 4	6 38
M14	11 0	12 35	0s59	3 31	0 58	14 9	1 22	11 37	1 1	23 34	0 7	17 30	1 30	23 30	0 9	15 28	1 45	23 29	13 54	9 37	10 14	9 26	9 6	6 38
T 15	10 38	15 14	2 0	2 46	1 12	13 44	1 22	11 20	1 0	23 35	0 7	17 31	1 30	23 30	0 9	15 29	1 45	23 28	13 54	9 37	10 12	9 28	9 7	6 38
W16	10 16	17 16	2 57	2 4	1 26	13 18	1 23	11 2	1 0	23 35	0 7	17 33	1 30	23 30	0 9	15 29	1 45	23 28	13 54	9 38	10 11	9 29	9 9	6 37
T 17	9 55	18 34	3 46	1 24	1 40	12 53	1 23	10 45	1 0	23 35	0 7	17 34	1 30	23 31	0 9	15 29	1 45	23 27	13 54	9 38	10 10	9 31	9 10	6 37
F 18	9 33	19 0	4 26	0 47	1 54	12 26	1 24	10 27	1 0	23 35	0 7	17 35	1 30	23 31	0 9	15 30	1 45	23 27	13 54	9 37	10 9	9 33	9 12	6 37
S 19	9 10	18 29	4 54	0 13	2 7	12 0	1 24	10 9	0 59	23 35	0 7	17 37	1 30	23 31	0 9	15 30	1 45	23 26	13 54	9 35	10 8	9 34	9 14	6 37
S 20	8 48	16 58	5 8	0n18	2 20	11 33	1 25	9 52	0 59	23 35	0 7	17 38	1 30	23 31	0 9	15 30	1 45	23 25	13 54	9 33	10 7	9 36	9 15	6 36
M21	8 26	14 27	5 5	0 44	2 33	11 6	1 25	9 34	0 59	23 35	0 7	17 39	1 30	23 31	0 9	15 31	1 45	23 25	13 54	9 31	10 5	9 37	9 17	6 36
T 22	8 3	11 2	4 43	1 7	2 45	10 39	1 25	9 16	0 58	23 36	0 7	17 41	1 30	23 31	0 9	15 31	1 45	23 24	13 54	9 28	10 4	9 39	9 18	6 35
W23	7 41	6 53	4 3	1 26	2 56	10 11	1 26	8 58	0 58	23 36	0 7	17 42	1 30	23 31	0 9	15 31	1 45	23 24	13 54	9 25	10 3	9 41	9 20	6 35
T 24	7 18	2 14	3 7	1 40	3 6	9 43	1 26	8 40	0 58	23 36	0 8	17 43	1 30	23 31	0 9	15 32	1 45	23 23	13 54	9 23	10 2	9 42	9 22	6 35
F 25	6 55	2s35	1 57	1 50	3 14	9 15	1 26	8 22	0 58	23 36	0 8	17 44	1 30	23 31	0 9	15 32	1 45	23 23	13 54	9 22	10 1	9 44	9 23	6 34
S 26	6 32	7 16	0 39	1 55	3 22	8 46	1 26	8 4	0 57	23 36	0 8	17 45	1 30	23 31	0 9	15 32	1 44	23 22	13 54	9 21	10 0	9 46	9 25	6 34
S 27	6 9	11 27	0n42	1 56	3 28	8 18	1 26	7 45	0 57	23 36	0 8	17 47	1 30	23 32	0 9	15 33	1 44	23 22	13 54	9 21	9 58	9 47	9 26	6 33
M28	5s46	14s53	1n58	1n52	3n32	7s49	1s26	7s27	0s57	23n37	0n 8	17n48	1n30	23s32	0s 9	15n33	1s44	23s21	13s54	9s22	9s57	9n49	9n28	6s33

Julian Day Number = 2110080.5, Delta T = 19m43s
Ecliptic obliquity = 23°33'29, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°42'28, Lahiri = 10°49'29 Julian Calendar 1 Feb. 1065 == Greg. Calendar 7 Feb. 1065

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1065
geocentric

MARCH 1065 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 58 4	16♓26'13	0♐27	26°R 7	14♓48	14♓ 7	25♊28	15°R 8	23♐10	17♉49	3♓ 2	24♎ 2	25♎34	25♈14	17°R18	T 1
W 2	11 2 1	17°25'44	14°24	25♓34	16° 3	14°54	25°32	15♌ 5	23°11	17°50	3° 4	24°R 3	25°31	25°21	17♌14	W 2
T 3	11 5 57	18°25'12	28° 3	24°55	17°17	15°40	25°35	15° 1	23°12	17°52	3° 5	24° 3	25°28	25°28	17°10	T 3
F 4	11 9 54	19°24'39	11♑25	24°12	18°32	16°27	25°38	14°57	23°13	17°53	3° 7	24° 1	25°25	25°34	17° 7	F 4
S 5	11 13 51	20°24'04	24°31	23°25	19°46	17°14	25°42	14°54	23°14	17°54	3° 8	23°57	25°22	25°41	17° 3	S 5
S 6	11 17 47	21°23'27	7♒22	22°35	21° 1	18° 0	25°46	14°51	23°15	17°56	3°10	23°52	25°19	25°48	17° 0	S 6
M 7	11 21 44	22°22'48	20° 0	21°44	22°16	18°47	25°50	14°47	23°16	17°57	3°12	23°47	25°15	25°54	16°57	M 7
T 8	11 25 40	23°22'07	2♓26	20°52	23°30	19°33	25°54	14°44	23°17	17°59	3°13	23°42	25°12	26° 1	16°53	T 8
W 9	11 29 37	24°21'25	14°41	20° 1	24°45	20°19	25°59	14°41	23°17	18° 0	3°15	23°37	25° 9	26° 8	16°50	W 9
T 10	11 33 33	25°20'40	26°46	19°11	25°59	21° 6	26° 3	14°38	23°18	18° 2	3°16	23°33	25° 6	26°14	16°47	T 10
F 11	11 37 30	26°19'53	8♈43	18°23	27°14	21°52	26° 8	14°35	23°19	18° 3	3°18	23°30	25° 3	26°21	16°44	F 11
S 12	11 41 26	27°19'04	20°34	17°39	28°28	22°39	26°13	14°32	23°19	18° 5	3°19	23°D29	24°59	26°27	16°41	S 12
S 13	11 45 23	28°18'12	2♉21	16°58	29°42	23°25	26°18	14°29	23°20	18° 6	3°21	23°30	24°56	26°34	16°39	S 13
M14	11 49 20	29°17'19	14° 8	16°22	0♈57	24°11	26°23	14°26	23°20	18° 8	3°22	23°31	24°53	26°41	16°36	M14
T 15	11 53 16	0♈16'23	25°58	15°51	2°11	24°57	26°29	14°24	23°21	18° 9	3°23	23°33	24°50	26°47	16°33	T 15
W16	11 57 13	1°15'25	7♊54	15°25	3°26	25°43	26°34	14°21	23°21	18°11	3°25	23°34	24°47	26°54	16°31	W16
T 17	12 1 9	2°14'25	20° 2	15° 4	4°40	26°29	26°40	14°19	23°21	18°13	3°26	23°36	24°44	27° 1	16°28	T 17
F 18	12 5 6	3°13'22	2♋25	14°48	5°54	27°16	26°46	14°16	23°22	18°14	3°28	23°R36	24°40	27° 7	16°26	F 18
S 19	12 9 2	4°12'17	15°10	14°39	7° 9	28° 2	26°52	14°14	23°22	18°16	3°29	23°36	24°37	27°14	16°24	S 19
S 20	12 12 59	5°11'10	28°19	14°D34	8°23	28°48	26°58	14°12	23°22	18°18	3°31	23°34	24°34	27°21	16°21	S 20
M21	12 16 55	6°10'00	11♌54	14°35	9°37	29°33	27° 4	14°10	23°22	18°20	3°32	23°33	24°31	27°27	16°19	M21
T 22	12 20 52	7° 8'48	25°58	14°42	10°52	0♈19	27°11	14° 8	23°R22	18°21	3°33	23°30	24°28	27°34	16°17	T 22
W23	12 24 48	8° 7'34	10♍27	14°53	12° 6	1° 5	27°17	14° 6	23°22	18°23	3°35	23°28	24°25	27°41	16°15	W23
T 24	12 28 45	9° 6'17	25°17	15° 9	13°20	1°51	27°24	14° 4	23°22	18°25	3°36	23°27	24°21	27°47	16°14	T 24
F 25	12 32 42	10° 4'59	10♎21	15°30	14°34	2°37	27°31	14° 2	23°22	18°27	3°37	23°26	24°18	27°54	16°12	F 25
S 26	12 36 38	11° 3'38	25°31	15°56	15°48	3°22	27°38	14° 1	23°22	18°29	3°39	23°D26	24°15	28° 0	16°10	S 26
S 27	12 40 35	12° 2'16	10♏36	16°26	17° 3	4° 8	27°45	13°59	23°22	18°31	3°40	23°26	24°12	28° 7	16° 9	S 27
M28	12 44 31	13° 0'52	25°29	17° 0	18°17	4°54	27°53	13°58	23°21	18°32	3°41	23°27	24° 9	28°14	16° 8	M28
T 29	12 48 28	13°59'26	10♐ 3	17°38	19°31	5°39	28° 0	13°57	23°21	18°34	3°43	23°27	24° 5	28°20	16° 6	T 29
W30	12 52 24	14°57'58	24°14	18°20	20°45	6°25	28° 8	13°56	23°21	18°36	3°44	23°28	24° 2	28°27	16° 5	W30
T 31	12 56 21	15♈56'29	8♑ 1	19♓ 6	21♈59	7♈10	28♊15	13♌55	23♐20	18♉38	3♓45	23♎29	23♎59	28♈34	16♌ 4	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸	☊	☊	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s23	17s19	3n 6	1n44	3n35	7s20	1s25	7s 9	0s56	23n37	0n 8	17n49	1n30	23s32	0s 9	15n34	1s44	23s21	13s55	9s22	9s56	9n50	9n29	6s32
W 2	4 59	18 39	4 1	1 32	3 36	6 50	1 25	6 50	0 56	23 37	0 8	17 50	1 30	23 32	0 9	15 34	1 44	23 20	13 55	9 22	9 55	9 52	9 31	6 32
T 3	4 36	18 52	4 41	1 16	3 35	6 21	1 25	6 32	0 55	23 37	0 8	17 51	1 30	23 32	0 9	15 34	1 44	23 20	13 55	9 22	9 54	9 54	9 33	6 32
F 4	4 13	18 0	5 5	0 56	3 32	5 51	1 25	6 13	0 55	23 38	0 8	17 52	1 30	23 32	0 9	15 35	1 44	23 19	13 55	9 22	9 53	9 55	9 34	6 31
S 5	3 49	16 12	5 12	0 33	3 28	5 21	1 24	5 55	0 55	23 38	0 8	17 53	1 30	23 32	0 9	15 35	1 44	23 19	13 55	9 20	9 51	9 57	9 36	6 30
S 6	3 26	13 37	5 4	0 7	3 21	4 51	1 24	5 36	0 54	23 38	0 9	17 54	1 30	23 32	0 9	15 36	1 44	23 18	13 55	9 19	9 50	9 58	9 37	6 30
M 7	3 2	10 27	4 40	0s20	3 13	4 21	1 23	5 17	0 54	23 38	0 9	17 55	1 30	23 32	0 9	15 36	1 44	23 18	13 55	9 17	9 49	10 0	9 39	6 29
T 8	2 39	6 52	4 4	0 50	3 3	3 51	1 22	4 59	0 54	23 38	0 9	17 56	1 30	23 32	0 9	15 37	1 44	23 17	13 55	9 14	9 48	10 2	9 40	6 29
W 9	2 15	3 2	3 17	1 20	2 52	3 21	1 22	4 40	0 53	23 39	0 9	17 57	1 30	23 32	0 9	15 37	1 44	23 17	13 56	9 13	9 47	10 3	9 41	6 28
T 10	1 52	0n52	2 22	1 51	2 40	2 51	1 21	4 21	0 53	23 39	0 9	17 58	1 30	23 32	0 9	15 37	1 44	23 17	13 56	9 11	9 46	10 5	9 43	6 28
F 11	1 28	4 42	1 20	2 22	2 27	2 20	1 20	4 3	0 52	23 39	0 9	17 59	1 30	23 32	0 9	15 38	1 44	23 16	13 56	9 10	9 44	10 6	9 44	6 27
S 12	1 4	8 19	0 16	2 53	2 12	1 50	1 19	3 44	0 52	23 39	0 9	18 0	1 30	23 32	0 9	15 38	1 44	23 16	13 56	9 10	9 43	10 8	9 46	6 27
S 13	0 41	11 35	0s49	3 22	1 57	1 19	1 18	3 25	0 52	23 40	0 9	18 0	1 30	23 32	0 9	15 39	1 44	23 15	13 56	9 10	9 42	10 10	9 47	6 26
M14	0 17	14 23	1 51	3 51	1 42	0 48	1 17	3 6	0 51	23 40	0 9	18 1	1 30	23 32	0 9	15 39	1 44	23 15	13 56	9 11	9 41	10 11	9 49	6 25
T 15	0n 7	16 35	2 50	4 17	1 26	0 18	1 16	2 47	0 51	23 40	0 9	18 2	1 30	23 32	0 9	15 40	1 44	23 14	13 57	9 11	9 40	10 13	9 50	6 25
W16	0 30	18 6	3 41	4 42	1 10	0n13	1 15	2 29	0 50	23 40	0 9	18 3	1 30	23 32	0 9	15 40	1 44	23 14	13 57	9 12	9 39	10 14	9 51	6 24
T 17	0 54	18 48	4 24	5 5	0 54	0 44	1 14	2 10	0 50	23 40	0 10	18 3	1 30	23 32	0 9	15 41	1 43	23 14	13 57	9 12	9 37	10 16	9 53	6 24
F 18	1 17	18 37	4 55	5 25	0 39	1 14	1 13	1 51	0 49	23 41	0 10	18 4	1 30	23 33	0 9	15 41	1 43	23 13	13 57	9 12	9 36	10 18	9 54	6 23
S 19	1 41	17 30	5 13	5 43	0 23	1 45	1 12	1 32	0 49	23 41	0 10	18 5	1 30	23 33	0 9	15 42	1 43	23 13	13 57	9 12	9 35	10 19	9 55	6 22
S 20	2 4	15 27	5 15	5 59	0 8	2 16	1 10	1 14	0 49	23 41	0 10	18 5	1 30	23 33	0 9	15 42	1 43	23 13	13 57	9 12	9 34	10 21	9 56	6 22
M21	2 28	12 30	5 0	6 12	0s 6	2 46	1 9	0 55	0 48	23 41	0 10	18 6	1 30	23 33	0 9	15 43	1 43	23 12	13 58	9 11	9 33	10 22	9 58	6 21
T 22	2 51	8 44	4 27	6 22	0 21	3 17	1 8	0 36	0 48	23 42	0 10	18 6	1 30	23 33	0 9	15 43	1 43	23 12	13 58	9 10	9 32	10 24	9 59	6 20
W23	3 14	4 21	3 36	6 30	0 34	3 47	1 6	0 17	0 47	23 42	0 10	18 7	1 30	23 33	0 9	15 44	1 43	23 12	13 58	9 10	9 30	10 25	10 0	6 20
T 24	3 38	0s25	2 30	6 36	0 47	4 18	1 5	0n 1	0 47	23 42	0 10	18 7	1 30	23 33	0 9	15 45	1 43	23 11	13 58	9 9	9 29	10 27	10 1	6 19
F 25	4 1	5 13	1 12	6 39	0 59	4 48	1 3	0 20	0 46	23 42	0 10	18 8	1 30	23 33	0 9	15 45	1 43	23 11	13 58	9 9	9 28	10 29	10 2	6 18
S 26	4 24	9 44	0n12	6 40	1 11	5 18	1 1	0 39	0 46	23 43	0 10	18 8	1 30	23 33	0 9	15 46	1 43	23 11	13 59	9 9	9 27	10 30	10 3	6 18
S 27	4 47	13 35	1 34	6 39	1 22	5 49	1 0	0 57	0 45	23 43	0 10	18 8	1 30	23 33	0 9	15 46	1 43	23 10	13 59	9 9	9 26	10 32	10 5	6 17
M28	5 10	16 30	2 49	6 35	1 33	6 18	0 58	1 16	0 45	23 43	0 10	18 9	1 29	23 33	0 9	15 47	1 43	23 10	13 59	9 9	9 25	10 33	10 6	6 16
T 29	5 33	18 15	3 51	6 29	1 42	6 48	0 56	1 35	0 44	23 43	0 11	18 9	1 29	23 33	0 9	15 47	1 43	23 10	13 59	9 9	9 23	10 35	10 7	6 15
W30	5 55	18 49	4 38	6 21	1 51	7 18	0 54	1 53	0 44	23 43	0 11	18 9	1 29	23 33	0 9	15 48	1 43	23 10	14 0	9 10	9 22	10 36	10 8	6 15
T 31	6n18	18s13	5n 6	6s10	2s 0	7n48	0s53	2n12	0s43	23n44	0n11	18n10	1n29	23s33	0s 9	15n48	1s43	23s 9	14s 0	9s10	9s21	10n38	10n 9	6s14

Julian Day Number = 2110108.5, Delta T = 19m43s
Ecliptic obliquity = 23°33'30, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°42'32, Lahiri = 10°49'33 Julian Calendar 1 March 1065 == Greg. Calendar 7 March 1065

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1065
geocentric

APRIL 1065 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 0 17	16♈54'58	21♉23	19♓55	23♈13	7♈56	28♊23	13°R54	23°R20	18♉40	3♓46	23°R29	23♎56	28♈40	16°R 3	F 1
S 2	13 4 14	17°53'25	4♒24	20°47	24°27	8°41	28°31	13♌53	23♐19	18°42	3°48	23♎28	23°53	28°47	16♌ 2	S 2
S 3	13 8 11	18°51'51	17° 6	21°43	25°41	9°27	28°39	13°52	23°19	18°44	3°49	23°28	23°50	28°54	16° 2	S 3
M 4	13 12 7	19°50'15	29°31	22°41	26°55	10°12	28°48	13°51	23°18	18°46	3°50	23°28	23°46	29° 0	16° 1	M 4
T 5	13 16 4	20°48'38	11♓43	23°42	28° 9	10°57	28°56	13°51	23°17	18°48	3°51	23°27	23°43	29° 7	16° 1	T 5
W 6	13 20 0	21°46'58	23°45	24°47	29°23	11°42	29° 4	13°50	23°17	18°50	3°52	23°27	23°40	29°14	16° 0	W 6
T 7	13 23 57	22°45'17	5♈40	25°53	0♉37	12°27	29°13	13°50	23°16	18°52	3°54	23°27	23°37	29°20	16° 0	T 7
F 8	13 27 53	23°43'34	17°30	27° 3	1°51	13°13	29°22	13°50	23°15	18°54	3°55	23°27	23°34	29°27	16° 0	F 8
S 9	13 31 50	24°41'50	29°18	28°15	3° 5	13°58	29°31	13°D50	23°14	18°56	3°56	23°27	23°30	29°33	16°D 0	S 9
S 10	13 35 46	25°40'03	11♉ 5	29°29	4°19	14°43	29°40	13°50	23°13	18°59	3°57	23°27	23°27	29°40	16° 0	S 10
M11	13 39 43	26°38'15	22°54	0♈45	5°33	15°28	29°49	13°50	23°12	19° 1	3°58	23°26	23°24	29°47	16° 0	M11
T 12	13 43 40	27°36'25	4♊48	2° 4	6°47	16°12	29°58	13°50	23°11	19° 3	3°59	23°26	23°21	29°53	16° 0	T 12
W13	13 47 36	28°34'33	16°49	3°25	8° 1	16°57	0♋ 7	13°50	23°10	19° 5	4° 0	23°25	23°18	0♉ 0	16° 0	W13
T 14	13 51 33	29°32'39	29° 0	4°48	9°15	17°42	0°17	13°51	23° 9	19° 7	4° 1	23°25	23°15	0° 7	16° 1	T 14
F 15	13 55 29	0♉30'44	11♋26	6°14	10°29	18°27	0°26	13°51	23° 8	19° 9	4° 2	23°24	23°11	0°13	16° 2	F 15
S 16	13 59 26	1°28'46	24° 9	7°41	11°43	19°12	0°36	13°52	23° 7	19°11	4° 3	23°24	23° 8	0°20	16° 2	S 16
S 17	14 3 22	2°26'46	7♌13	9°11	12°56	19°56	0°45	13°53	23° 6	19°13	4° 4	23°D24	23° 5	0°27	16° 3	S 17
M18	14 7 19	3°24'45	20°40	10°42	14°10	20°41	0°55	13°54	23° 5	19°16	4° 5	23°24	23° 2	0°33	16° 4	M18
T 19	14 11 15	4°22'41	4♍33	12°16	15°24	21°25	1° 5	13°55	23° 3	19°18	4° 6	23°25	22°59	0°40	16° 5	T 19
W20	14 15 12	5°20'35	18°51	13°51	16°38	22°10	1°15	13°56	23° 2	19°20	4° 7	23°26	22°56	0°47	16° 6	W20
T 21	14 19 8	6°18'28	3♎33	15°29	17°51	22°54	1°25	13°57	23° 1	19°22	4° 8	23°26	22°52	0°53	16° 7	T 21
F 22	14 23 5	7°16'19	18°33	17° 9	19° 5	23°39	1°35	13°58	22°59	19°24	4° 8	23°R27	22°49	1° 0	16° 9	F 22
S 23	14 27 2	8°14'08	3♏43	18°50	20°19	24°23	1°46	13°59	22°58	19°27	4° 9	23°27	22°46	1° 7	16°10	S 23
S 24	14 30 58	9°11'56	18°55	20°34	21°32	25° 7	1°56	14° 1	22°56	19°29	4°10	23°26	22°43	1°13	16°12	S 24
M25	14 34 55	10° 9'43	4♐ 0	22°20	22°46	25°51	2° 7	14° 3	22°55	19°31	4°11	23°24	22°40	1°20	16°13	M25
T 26	14 38 51	11° 7'28	18°47	24° 8	24° 0	26°36	2°17	14° 4	22°53	19°33	4°12	23°22	22°36	1°26	16°15	T 26
W27	14 42 48	12° 5'12	3♑11	25°58	25°13	27°20	2°28	14° 6	22°51	19°36	4°12	23°20	22°33	1°33	16°17	W27
T 28	14 46 44	13° 2'55	17° 9	27°49	26°27	28° 4	2°39	14° 8	22°50	19°38	4°13	23°18	22°30	1°40	16°19	T 28
F 29	14 50 41	14° 0'36	0♒38	29°43	27°40	28°48	2°49	14°10	22°48	19°40	4°14	23°16	22°27	1°46	16°21	F 29
S 30	14 54 38	14♉58'17	13♒42	1♉39	28♉54	29♈32	3♋ 0	14♌12	22♐46	19♉42	4♓15	23°D16	22♎24	1♉53	16♌23	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6n41	16s37	5n18	5s58	2s 8	8n17	0s51	2n30	0s43	23n44	0n11	18n10	1n29	23s33	0s 9	15n49	1s43	23s 9	14s 0	9s10	9s20	10n39	10n10	6s13
S 2	7 3	14 12	5 12	5 44	2 15	8 46	0 49	2 49	0 42	23 44	0 11	18 10	1 29	23 33	0 9	15 50	1 43	23 9	14 0	9 10	9 19	10 41	10 11	6 13
S 3	7 26	11 10	4 51	5 28	2 21	9 15	0 47	3 7	0 42	23 44	0 11	18 10	1 29	23 33	0 9	15 50	1 43	23 9	14 1	9 9	9 17	10 43	10 11	6 12
M 4	7 48	7 41	4 17	5 10	2 27	9 44	0 45	3 25	0 41	23 44	0 11	18 10	1 29	23 33	0 9	15 51	1 43	23 8	14 1	9 9	9 16	10 44	10 12	6 11
T 5	8 10	3 56	3 32	4 50	2 32	10 12	0 43	3 44	0 41	23 44	0 11	18 10	1 29	23 33	0 9	15 51	1 43	23 8	14 1	9 9	9 15	10 46	10 13	6 10
W 6	8 32	0 5	2 38	4 28	2 36	10 41	0 41	4 2	0 40	23 44	0 11	18 10	1 29	23 33	0 9	15 52	1 43	23 8	14 1	9 9	9 14	10 47	10 14	6 10
T 7	8 54	3n45	1 37	4 5	2 40	11 9	0 39	4 20	0 40	23 45	0 11	18 10	1 29	23 33	0 9	15 53	1 43	23 8	14 2	9 9	9 13	10 49	10 15	6 9
F 8	9 15	7 25	0 33	3 40	2 43	11 37	0 36	4 38	0 39	23 45	0 11	18 10	1 29	23 33	0 9	15 53	1 43	23 8	14 2	9 9	9 12	10 50	10 16	6 8
S 9	9 37	10 46	0s32	3 14	2 46	12 4	0 34	4 56	0 39	23 45	0 11	18 10	1 29	23 33	0 9	15 54	1 43	23 8	14 2	9 9	9 10	10 52	10 16	6 7
S 10	9 58	13 42	1 37	2 46	2 48	12 31	0 32	5 14	0 38	23 45	0 12	18 10	1 29	23 32	0 9	15 54	1 43	23 7	14 3	9 9	9 9	10 53	10 17	6 7
M11	10 19	16 4	2 37	2 17	2 49	12 58	0 30	5 32	0 38	23 45	0 12	18 10	1 29	23 32	0 10	15 55	1 43	23 7	14 3	9 9	9 8	10 55	10 18	6 6
T 12	10 40	17 45	3 30	1 46	2 50	13 25	0 28	5 50	0 37	23 45	0 12	18 10	1 28	23 32	0 10	15 55	1 43	23 7	14 3	9 9	9 7	10 56	10 18	6 5
W13	11 1	18 40	4 15	1 14	2 50	13 51	0 25	6 8	0 37	23 45	0 12	18 10	1 28	23 32	0 10	15 56	1 43	23 7	14 3	9 8	9 6	10 58	10 19	6 4
T 14	11 22	18 44	4 49	0 40	2 49	14 17	0 23	6 26	0 36	23 45	0 12	18 10	1 28	23 32	0 10	15 57	1 42	23 7	14 4	9 8	9 5	10 59	10 20	6 4
F 15	11 42	17 54	5 11	0 5	2 48	14 43	0 21	6 43	0 36	23 45	0 12	18 9	1 28	23 32	0 10	15 57	1 42	23 7	14 4	9 8	9 3	11 1	10 20	6 3
S 16	12 3	16 11	5 18	0n31	2 47	15 8	0 18	7 1	0 35	23 45	0 12	18 9	1 28	23 32	0 10	15 58	1 42	23 7	14 4	9 8	9 2	11 2	10 21	6 2
S 17	12 23	13 35	5 9	1 8	2 44	15 33	0 16	7 18	0 34	23 45	0 12	18 9	1 28	23 32	0 10	15 59	1 42	23 7	14 5	9 8	9 1	11 4	10 21	6 1
M18	12 43	10 12	4 43	1 47	2 42	15 57	0 14	7 36	0 34	23 45	0 12	18 9	1 28	23 32	0 10	15 59	1 42	23 7	14 5	9 8	9 0	11 5	10 22	6 1
T 19	13 3	6 10	3 59	2 27	2 38	16 21	0 11	7 53	0 33	23 45	0 12	18 8	1 28	23 32	0 10	16 0	1 42	23 6	14 5	9 8	8 59	11 7	10 22	6 0
W20	13 22	1 40	3 1	3 7	2 34	16 45	0 9	8 10	0 33	23 45	0 12	18 8	1 28	23 32	0 10	16 0	1 42	23 6	14 6	9 9	8 57	11 8	10 22	5 59
T 21	13 41	3s 4	1 48	3 49	2 30	17 8	0 6	8 27	0 32	23 45	0 12	18 7	1 28	23 32	0 10	16 1	1 42	23 6	14 6	9 9	8 56	11 10	10 23	5 58
F 22	14 0	7 43	0 27	4 32	2 25	17 31	0 4	8 44	0 32	23 45	0 12	18 7	1 28	23 32	0 10	16 2	1 42	23 6	14 6	9 9	8 55	11 11	10 23	5 58
S 23	14 19	11 56	0n57	5 16	2 19	17 53	0 1	9 1	0 31	23 45	0 13	18 6	1 28	23 32	0 10	16 2	1 42	23 6	14 7	9 9	8 54	11 13	10 23	5 57
S 24	14 38	15 21	2 17	6 1	2 13	18 15	0n 1	9 18	0 30	23 45	0 13	18 6	1 28	23 32	0 10	16 3	1 42	23 6	14 7	9 9	8 53	11 14	10 24	5 56
M25	14 56	17 40	3 26	6 47	2 7	18 37	0 4	9 35	0 30	23 45	0 13	18 5	1 27	23 32	0 10	16 3	1 42	23 6	14 7	9 8	8 51	11 16	10 24	5 55
T 26	15 14	18 45	4 21	7 33	2 0	18 58	0 6	9 51	0 29	23 45	0 13	18 5	1 27	23 32	0 10	16 4	1 42	23 6	14 8	9 7	8 50	11 17	10 24	5 54
W27	15 32	18 34	4 57	8 20	1 52	19 18	0 9	10 8	0 29	23 45	0 13	18 4	1 27	23 32	0 10	16 5	1 42	23 6	14 8	9 6	8 49	11 19	10 24	5 54
T 28	15 50	17 15	5 14	9 8	1 44	19 38	0 11	10 24	0 28	23 45	0 13	18 4	1 27	23 32	0 10	16 5	1 42	23 6	14 8	9 6	8 48	11 20	10 24	5 53
F 29	16 7	15 1	5 13	9 56	1 36	19 57	0 13	10 40	0 27	23 45	0 13	18 3	1 27	23 31	0 10	16 6	1 42	23 6	14 9	9 5	8 47	11 22	10 24	5 52
S 30	16n24	12s 4	4n56	10n45	1s27	20n16	0n16	10n57	0s27	23n44	0n13	18n 2	1n27	23s31	0s10	16n 6	1s42	23s 7	14s 9	9s 5	8s46	11n23	10n25	5s51

Julian Day Number = 2110139.5, Delta T = 19m43s
Ecliptic obliquity = 23°33'30, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°42'36, Lahiri = 10°49'37 Julian Calendar 1 Apr. 1065 == Greg. Calendar 7 Apr. 1065

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1065
geocentric

MAY 1065 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 58 34	15♉55'56	26♒22	3♉37	0♊ 8	0♉16	3♋11	14♌14	22°R45	19♉44	4♓15	23♎16	22♎21	2♉ 0	16♌26	S 1
M 2	15 2 31	16°53'34	8♓42	5°36	1°21	1° 0	3°22	14°16	22♐43	19°47	4°16	23°17	22°17	2° 6	16°28	M 2
T 3	15 6 27	17°51'12	20°48	7°38	2°35	1°43	3°33	14°19	22°41	19°49	4°17	23°19	22°14	2°13	16°31	T 3
W 4	15 10 24	18°48'48	2♈44	9°41	3°48	2°27	3°45	14°21	22°39	19°51	4°17	23°21	22°11	2°20	16°33	W 4
T 5	15 14 20	19°46'23	14°33	11°46	5° 2	3°11	3°56	14°24	22°37	19°53	4°18	23°22	22° 8	2°26	16°36	T 5
F 6	15 18 17	20°43'57	26°20	13°53	6°15	3°54	4° 7	14°26	22°35	19°56	4°18	23°R22	22° 5	2°33	16°39	F 6
S 7	15 22 13	21°41'31	8♉ 7	16° 1	7°28	4°38	4°19	14°29	22°33	19°58	4°19	23°21	22° 2	2°40	16°42	S 7
S 8	15 26 10	22°39'03	19°57	18°10	8°42	5°22	4°30	14°32	22°31	20° 0	4°19	23°19	21°58	2°46	16°45	S 8
M 9	15 30 6	23°36'34	1♊52	20°20	9°55	6° 5	4°42	14°35	22°29	20° 2	4°20	23°15	21°55	2°53	16°48	M 9
T 10	15 34 3	24°34'04	13°54	22°31	11° 9	6°48	4°53	14°38	22°27	20° 5	4°20	23°10	21°52	2°59	16°51	T 10
W11	15 38 0	25°31'32	26° 5	24°43	12°22	7°32	5° 5	14°41	22°25	20° 7	4°21	23° 4	21°49	3° 6	16°54	W11
T 12	15 41 56	26°29'00	8♋27	26°55	13°35	8°15	5°17	14°44	22°23	20° 9	4°21	22°59	21°46	3°13	16°58	T 12
F 13	15 45 53	27°26'26	21° 1	29° 7	14°49	8°58	5°29	14°48	22°21	20°11	4°22	22°54	21°42	3°19	17° 1	F 13
S 14	15 49 49	28°23'52	3♌50	1♊18	16° 2	9°42	5°41	14°51	22°19	20°14	4°22	22°50	21°39	3°26	17° 5	S 14
S 15	15 53 46	29°21'15	16°54	3°29	17°15	10°25	5°53	14°55	22°17	20°16	4°22	22°48	21°36	3°33	17° 9	S 15
M16	15 57 42	0♊18'38	0♍18	5°40	18°29	11° 8	6° 5	14°58	22°15	20°18	4°23	22°D47	21°33	3°39	17°12	M16
T 17	16 1 39	1°16'00	14° 2	7°49	19°42	11°51	6°17	15° 2	22°12	20°20	4°23	22°48	21°30	3°46	17°16	T 17
W18	16 5 35	2°13'20	28° 7	9°57	20°55	12°34	6°29	15° 6	22°10	20°23	4°23	22°49	21°27	3°53	17°20	W18
T 19	16 9 32	3°10'39	12♎32	12° 4	22° 8	13°17	6°41	15°10	22° 8	20°25	4°23	22°50	21°23	3°59	17°24	T 19
F 20	16 13 29	4° 7'57	27°16	14° 9	23°22	13°59	6°53	15°14	22° 6	20°27	4°24	22°R50	21°20	4° 6	17°28	F 20
S 21	16 17 25	5° 5'15	12♏13	16°12	24°35	14°42	7° 5	15°18	22° 3	20°29	4°24	22°49	21°17	4°13	17°33	S 21
S 22	16 21 22	6° 2'31	27°16	18°14	25°48	15°25	7°18	15°22	22° 1	20°31	4°24	22°46	21°14	4°19	17°37	S 22
M23	16 25 18	6°59'47	12♐16	20°13	27° 1	16° 8	7°30	15°26	21°59	20°33	4°24	22°41	21°11	4°26	17°41	M23
T 24	16 29 15	7°57'02	27° 4	22°10	28°14	16°50	7°43	15°30	21°56	20°36	4°24	22°34	21° 8	4°33	17°46	T 24
W25	16 33 11	8°54'17	11♑32	24° 5	29°27	17°33	7°55	15°34	21°54	20°38	4°24	22°27	21° 4	4°39	17°51	W25
T 26	16 37 8	9°51'31	25°35	25°58	0♋40	18°15	8° 8	15°39	21°52	20°40	4°25	22°21	21° 1	4°46	17°55	T 26
F 27	16 41 5	10°48'45	9♒11	27°48	1°53	18°58	8°20	15°43	21°49	20°42	4°25	22°15	20°58	4°53	18° 0	F 27
S 28	16 45 1	11°45'58	22°19	29°36	3° 6	19°40	8°33	15°48	21°47	20°44	4°25	22°11	20°55	4°59	18° 5	S 28
S 29	16 48 58	12°43'11	5♓ 1	1♋22	4°19	20°23	8°45	15°53	21°45	20°46	4°R25	22°10	20°52	5° 6	18°10	S 29
M30	16 52 54	13°40'24	17°22	3° 5	5°32	21° 5	8°58	15°57	21°42	20°48	4°25	22°D 9	20°48	5°12	18°15	M30
T 31	16 56 51	14♊37'37	29♓28	4♋46	6♋45	21♉47	9♋11	16♌ 2	21♐40	20♉51	4♓25	22♎10	20♎45	5♉19	18♌20	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n41	8s38	4n25	11n34	1s18	20n35	0n18	11n13	0s26	23n44	0n13	18n 2	1n27	23s31	0s10	16n 7	1s42	23s 7	14s 9	9s 5	8s44	11n25	10n25	5s51
M 2	16 58	4 55	3 42	12 23	1 8	20 52	0 21	11 29	0 26	23 44	0 13	18 1	1 27	23 31	0 10	16 8	1 42	23 7	14 10	9 6	8 43	11 26	10 25	5 50
T 3	17 14	1 3	2 50	13 12	0 59	21 10	0 23	11 44	0 25	23 44	0 13	18 0	1 27	23 31	0 10	16 8	1 42	23 7	14 10	9 6	8 42	11 28	10 25	5 49
W 4	17 30	2n48	1 51	14 1	0 49	21 26	0 26	12 0	0 24	23 44	0 13	17 59	1 27	23 31	0 10	16 9	1 42	23 7	14 10	9 7	8 41	11 29	10 25	5 49
T 5	17 46	6 30	0 48	14 50	0 38	21 42	0 28	12 16	0 24	23 43	0 13	17 58	1 27	23 31	0 10	16 10	1 42	23 7	14 11	9 7	8 40	11 31	10 24	5 48
F 6	18 1	9 57	0s16	15 39	0 28	21 58	0 31	12 31	0 23	23 43	0 14	17 58	1 27	23 31	0 10	16 10	1 42	23 7	14 11	9 7	8 38	11 32	10 24	5 47
S 7	18 17	13 1	1 20	16 26	0 17	22 13	0 33	12 46	0 23	23 43	0 14	17 57	1 27	23 31	0 10	16 11	1 42	23 7	14 11	9 7	8 37	11 34	10 24	5 46
S 8	18 32	15 33	2 21	17 13	0 7	22 27	0 35	13 2	0 22	23 43	0 14	17 56	1 26	23 31	0 10	16 11	1 42	23 7	14 12	9 6	8 36	11 35	10 24	5 46
M 9	18 46	17 27	3 16	17 59	0n 4	22 40	0 38	13 17	0 21	23 42	0 14	17 55	1 26	23 31	0 10	16 12	1 42	23 7	14 12	9 5	8 35	11 37	10 24	5 45
T 10	19 0	18 34	4 2	18 44	0 15	22 53	0 40	13 32	0 21	23 42	0 14	17 54	1 26	23 30	0 10	16 13	1 42	23 8	14 12	9 3	8 34	11 38	10 23	5 44
W11	19 14	18 52	4 38	19 27	0 25	23 5	0 42	13 46	0 20	23 41	0 14	17 53	1 26	23 30	0 10	16 13	1 42	23 8	14 13	9 1	8 32	11 40	10 23	5 43
T 12	19 28	18 16	5 2	20 8	0 35	23 17	0 45	14 1	0 20	23 41	0 14	17 52	1 26	23 30	0 10	16 14	1 42	23 8	14 13	8 59	8 31	11 41	10 23	5 43
F 13	19 41	16 46	5 12	20 47	0 45	23 28	0 47	14 16	0 19	23 41	0 14	17 51	1 26	23 30	0 10	16 14	1 42	23 8	14 14	8 57	8 30	11 42	10 22	5 42
S 14	19 54	14 26	5 6	21 25	0 55	23 38	0 49	14 30	0 18	23 40	0 14	17 50	1 26	23 30	0 10	16 15	1 42	23 8	14 14	8 55	8 29	11 44	10 22	5 41
S 15	20 7	11 19	4 45	22 0	1 4	23 48	0 52	14 44	0 18	23 40	0 14	17 49	1 26	23 30	0 10	16 16	1 42	23 8	14 14	8 55	8 28	11 45	10 22	5 41
M16	20 19	7 33	4 8	22 32	1 12	23 57	0 54	14 58	0 17	23 39	0 14	17 48	1 26	23 30	0 10	16 16	1 42	23 9	14 15	8 54	8 26	11 47	10 21	5 40
T 17	20 31	3 18	3 16	23 2	1 20	24 5	0 56	15 12	0 16	23 39	0 14	17 46	1 26	23 30	0 10	16 17	1 42	23 9	14 15	8 55	8 25	11 48	10 21	5 39
W18	20 43	1s14	2 11	23 30	1 28	24 13	0 58	15 26	0 16	23 38	0 14	17 45	1 26	23 30	0 10	16 17	1 42	23 9	14 15	8 55	8 24	11 50	10 20	5 39
T 19	20 54	5 50	0 56	23 54	1 34	24 19	1 0	15 40	0 15	23 38	0 15	17 44	1 26	23 29	0 10	16 18	1 42	23 9	14 16	8 55	8 23	11 51	10 20	5 38
F 20	21 5	10 11	0n24	24 16	1 40	24 26	1 2	15 53	0 14	23 37	0 15	17 43	1 26	23 29	0 10	16 18	1 42	23 10	14 16	8 56	8 22	11 53	10 19	5 37
S 21	21 15	13 56	1 43	24 36	1 46	24 31	1 4	16 7	0 14	23 37	0 15	17 41	1 26	23 29	0 10	16 19	1 42	23 10	14 16	8 55	8 21	11 54	10 18	5 36
S 22	21 25	16 48	2 56	24 52	1 51	24 36	1 6	16 20	0 13	23 36	0 15	17 40	1 25	23 29	0 10	16 20	1 42	23 10	14 17	8 54	8 19	11 55	10 18	5 36
M23	21 35	18 29	3 56	25 6	1 54	24 40	1 8	16 33	0 13	23 35	0 15	17 39	1 25	23 29	0 10	16 20	1 42	23 10	14 17	8 52	8 18	11 57	10 17	5 35
T 24	21 45	18 53	4 39	25 17	1 58	24 43	1 10	16 46	0 12	23 35	0 15	17 38	1 25	23 29	0 10	16 21	1 42	23 11	14 18	8 49	8 17	11 58	10 16	5 34
W25	21 54	18 1	5 3	25 26	2 0	24 45	1 12	16 58	0 11	23 34	0 15	17 36	1 25	23 29	0 10	16 21	1 42	23 11	14 18	8 47	8 16	12 0	10 16	5 34
T 26	22 2	16 5	5 8	25 32	2 2	24 47	1 14	17 11	0 11	23 33	0 15	17 35	1 25	23 29	0 10	16 22	1 42	23 11	14 18	8 44	8 15	12 1	10 15	5 33
F 27	22 11	13 18	4 55	25 35	2 3	24 48	1 16	17 23	0 10	23 33	0 15	17 33	1 25	23 28	0 10	16 22	1 42	23 12	14 19	8 42	8 13	12 3	10 14	5 33
S 28	22 19	9 56	4 27	25 37	2 3	24 49	1 17	17 35	0 9	23 32	0 15	17 32	1 25	23 28	0 10	16 23	1 42	23 12	14 19	8 41	8 12	12 4	10 13	5 32
S 29	22 26	6 12	3 47	25 36	2 3	24 48	1 19	17 47	0 9	23 31	0 15	17 31	1 25	23 28	0 10	16 23	1 42	23 12	14 19	8 40	8 11	12 5	10 12	5 31
M30	22 33	2 18	2 57	25 33	2 2	24 47	1 21	17 59	0 8	23 31	0 15	17 29	1 25	23 28	0 10	16 24	1 42	23 13	14 20	8 40	8 10	12 7	10 11	5 31
T 31	22n40	1n37	2n 0	25n28	2n 0	24n45	1n22	18n11	0s 7	23n30	0n15	17n28	1n25	23s28	0s10	16n25	1s42	23s13	14s20	8s40	8s 9	12n 8	10n10	5s30

Julian Day Number = 2110169.5, Delta T = 19m42s
Ecliptic obliquity = 23°33'29, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°42'41, Lahiri = 10°49'41 Julian Calendar 1 May 1065 == Greg. Calendar 7 May 1065

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1065
geocentric

JUNE 1065 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 0 47	15♊34'49	11♈21	6♋24	7♋58	22♉29	9♋24	16♌ 7	21°R37	20♉53	4°R25	22♎11	20♎42	5♉26	18♌25	W 1
T 2	17 4 44	16°32'02	23° 9	8° 0	9°11	23°11	9°36	16°12	21♐35	20°55	4♓25	22°R12	20°39	5°32	18°30	T 2
F 3	17 8 40	17°29'14	4♉56	9°34	10°24	23°54	9°49	16°17	21°32	20°57	4°24	22°11	20°36	5°39	18°36	F 3
S 4	17 12 37	18°26'26	16°45	11° 5	11°37	24°36	10° 2	16°22	21°30	20°59	4°24	22° 8	20°33	5°46	18°41	S 4
S 5	17 16 34	19°23'38	28°41	12°34	12°50	25°18	10°15	16°27	21°28	21° 1	4°24	22° 2	20°29	5°52	18°47	S 5
M 6	17 20 30	20°20'50	10♊45	14° 0	14° 3	25°59	10°28	16°33	21°25	21° 3	4°24	21°55	20°26	5°59	18°52	M 6
T 7	17 24 27	21°18'02	22°59	15°24	15°16	26°41	10°41	16°38	21°23	21° 5	4°24	21°45	20°23	6° 6	18°58	T 7
W 8	17 28 23	22°15'14	5♋25	16°45	16°29	27°23	10°54	16°43	21°20	21° 7	4°24	21°35	20°20	6°12	19° 4	W 8
T 9	17 32 20	23°12'25	18° 3	18° 4	17°41	28° 5	11° 7	16°49	21°18	21° 9	4°23	21°24	20°17	6°19	19° 9	T 9
F 10	17 36 16	24° 9'36	0♌53	19°20	18°54	28°47	11°20	16°54	21°15	21°11	4°23	21°14	20°13	6°26	19°15	F 10
S 11	17 40 13	25° 6'47	13°55	20°33	20° 7	29°28	11°33	17° 0	21°13	21°13	4°23	21° 6	20°10	6°32	19°21	S 11
S 12	17 44 9	26° 3'57	27°10	21°44	21°20	0♊10	11°46	17° 5	21°11	21°15	4°23	21° 0	20° 7	6°39	19°27	S 12
M13	17 48 6	27° 1'08	10♍38	22°52	22°32	0°51	11°59	17°11	21° 8	21°17	4°22	20°57	20° 4	6°46	19°33	M13
T 14	17 52 3	27°58'17	24°20	23°56	23°45	1°33	12°12	17°17	21° 6	21°19	4°22	20°D56	20° 1	6°52	19°39	T 14
W15	17 55 59	28°55'27	8♎17	24°58	24°58	2°14	12°26	17°23	21° 3	21°20	4°22	20°56	19°58	6°59	19°46	W15
T 16	17 59 56	29°52'36	22°28	25°57	26°10	2°55	12°39	17°29	21° 1	21°22	4°21	20°R56	19°54	7° 6	19°52	T 16
F 17	18 3 52	0♋49'46	6♏54	26°53	27°23	3°37	12°52	17°35	20°58	21°24	4°21	20°56	19°51	7°12	19°58	F 17
S 18	18 7 49	1°46'55	21°30	27°45	28°35	4°18	13° 5	17°40	20°56	21°26	4°20	20°53	19°48	7°19	20° 5	S 18
S 19	18 11 45	2°44'04	6♐12	28°34	29°48	4°59	13°18	17°47	20°54	21°28	4°20	20°47	19°45	7°26	20°11	S 19
M20	18 15 42	3°41'13	20°54	29°20	1♌ 1	5°40	13°32	17°53	20°51	21°30	4°19	20°39	19°42	7°32	20°17	M20
T 21	18 19 38	4°38'23	5♑28	0♌ 1	2°13	6°21	13°45	17°59	20°49	21°31	4°19	20°29	19°39	7°39	20°24	T 21
W22	18 23 35	5°35'33	19°47	0°39	3°25	7° 2	13°58	18° 5	20°47	21°33	4°18	20°18	19°35	7°45	20°31	W22
T 23	18 27 32	6°32'43	3♒45	1°13	4°38	7°43	14°11	18°11	20°44	21°35	4°18	20° 8	19°32	7°52	20°37	T 23
F 24	18 31 28	7°29'53	17°19	1°43	5°50	8°24	14°25	18°18	20°42	21°36	4°17	19°58	19°29	7°59	20°44	F 24
S 25	18 35 25	8°27'04	0♓27	2° 9	7° 3	9° 5	14°38	18°24	20°40	21°38	4°17	19°51	19°26	8° 5	20°51	S 25
S 26	18 39 21	9°24'16	13°11	2°30	8°15	9°46	14°51	18°30	20°37	21°40	4°16	19°47	19°23	8°12	20°58	S 26
M27	18 43 18	10°21'28	25°33	2°47	9°27	10°26	15° 5	18°37	20°35	21°41	4°15	19°44	19°19	8°19	21° 5	M27
T 28	18 47 14	11°18'41	7♈39	2°59	10°39	11° 7	15°18	18°43	20°33	21°43	4°15	19°D44	19°16	8°25	21°12	T 28
W29	18 51 11	12°15'55	19°34	3° 7	11°52	11°48	15°31	18°50	20°31	21°45	4°14	19°R44	19°13	8°32	21°19	W29
T 30	18 55 7	13♋13'09	1♉23	3°R 9	13♌ 4	12♊28	15♋45	18♌57	20♐29	21♉46	4♓13	19♎43	19♎10	8♉39	21♌26	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n46	5n24	0n58	25n21	1n57	24n43	1n24	18n23	0s 7	23n29	0n16	17n26	1n25	23s28	0s10	16n25	1s42	23s13	14s20	8s41	8s 7	12n10	10n 9	5s29
T 2	22 52	8 58	0s 5	25 13	1 54	24 39	1 25	18 34	0 6	23 28	0 16	17 24	1 25	23 28	0 10	16 26	1 42	23 14	14 21	8 41	8 6	12 11	10 8	5 29
F 3	22 58	12 10	1 8	25 3	1 50	24 35	1 27	18 45	0 5	23 27	0 16	17 23	1 25	23 27	0 10	16 26	1 42	23 14	14 21	8 41	8 5	12 12	10 7	5 28
S 4	23 3	14 53	2 8	24 51	1 46	24 30	1 28	18 56	0 5	23 26	0 16	17 21	1 25	23 27	0 10	16 27	1 42	23 14	14 22	8 40	8 4	12 14	10 6	5 28
S 5	23 8	16 59	3 3	24 38	1 40	24 25	1 29	19 7	0 4	23 25	0 16	17 20	1 25	23 27	0 10	16 27	1 42	23 15	14 22	8 38	8 3	12 15	10 5	5 27
M 6	23 12	18 22	3 50	24 23	1 35	24 19	1 30	19 18	0 3	23 24	0 16	17 18	1 25	23 27	0 10	16 28	1 43	23 15	14 22	8 35	8 1	12 17	10 4	5 26
T 7	23 16	18 56	4 27	24 8	1 28	24 12	1 32	19 28	0 3	23 24	0 16	17 16	1 25	23 27	0 10	16 28	1 43	23 16	14 23	8 31	8 0	12 18	10 3	5 26
W 8	23 20	18 35	4 52	23 51	1 21	24 4	1 33	19 38	0 2	23 23	0 16	17 15	1 25	23 27	0 10	16 29	1 43	23 16	14 23	8 27	7 59	12 19	10 2	5 25
T 9	23 23	17 19	5 3	23 33	1 14	23 56	1 34	19 49	0 1	23 22	0 16	17 13	1 25	23 27	0 10	16 29	1 43	23 16	14 23	8 23	7 58	12 21	10 1	5 25
F 10	23 26	15 11	5 0	23 14	1 6	23 47	1 35	19 58	0 1	23 21	0 16	17 11	1 24	23 26	0 10	16 30	1 43	23 17	14 24	8 19	7 57	12 22	9 59	5 24
S 11	23 28	12 15	4 40	22 55	0 57	23 37	1 36	20 8	0n 0	23 19	0 16	17 10	1 24	23 26	0 10	16 30	1 43	23 17	14 24	8 16	7 55	12 24	9 58	5 23
S 12	23 30	8 40	4 6	22 35	0 48	23 27	1 36	20 18	0 1	23 18	0 16	17 8	1 24	23 26	0 10	16 31	1 43	23 18	14 24	8 14	7 54	12 25	9 57	5 23
M13	23 31	4 34	3 17	22 14	0 38	23 16	1 37	20 27	0 1	23 17	0 17	17 6	1 24	23 26	0 10	16 31	1 43	23 18	14 25	8 13	7 53	12 26	9 55	5 22
T 14	23 33	0 10	2 17	21 53	0 28	23 4	1 38	20 36	0 2	23 16	0 17	17 4	1 24	23 26	0 10	16 31	1 43	23 19	14 25	8 13	7 52	12 28	9 54	5 22
W15	23 33	4s19	1 7	21 31	0 17	22 52	1 39	20 45	0 3	23 15	0 17	17 2	1 24	23 26	0 10	16 32	1 43	23 19	14 25	8 13	7 50	12 29	9 53	5 21
T 16	23 33	8 40	0n 8	21 10	0 6	22 38	1 39	20 54	0 3	23 14	0 17	17 1	1 24	23 25	0 10	16 32	1 43	23 20	14 26	8 13	7 49	12 30	9 51	5 21
F 17	23 33	12 34	1 24	20 48	0s 6	22 25	1 40	21 3	0 4	23 13	0 17	16 59	1 24	23 25	0 10	16 33	1 43	23 20	14 26	8 12	7 48	12 32	9 50	5 20
S 18	23 33	15 44	2 35	20 26	0 18	22 11	1 40	21 11	0 5	23 12	0 17	16 57	1 24	23 25	0 10	16 33	1 43	23 20	14 26	8 11	7 47	12 33	9 48	5 20
S 19	23 32	17 54	3 36	20 4	0 30	21 56	1 40	21 19	0 5	23 10	0 17	16 55	1 24	23 25	0 10	16 34	1 43	23 21	14 27	8 9	7 46	12 35	9 47	5 19
M20	23 30	18 53	4 23	19 42	0 43	21 40	1 41	21 27	0 6	23 9	0 17	16 53	1 24	23 25	0 10	16 34	1 43	23 21	14 27	8 6	7 44	12 36	9 45	5 19
T 21	23 29	18 35	4 52	19 20	0 56	21 24	1 41	21 35	0 7	23 8	0 17	16 51	1 24	23 25	0 10	16 35	1 43	23 22	14 27	8 2	7 43	12 37	9 44	5 18
W22	23 26	17 7	5 2	18 59	1 9	21 7	1 41	21 43	0 7	23 6	0 17	16 49	1 24	23 24	0 10	16 35	1 43	23 22	14 28	7 58	7 42	12 39	9 42	5 18
T 23	23 24	14 39	4 54	18 38	1 23	20 50	1 41	21 50	0 8	23 5	0 17	16 47	1 24	23 24	0 10	16 35	1 43	23 23	14 28	7 54	7 41	12 40	9 40	5 17
F 24	23 21	11 27	4 29	18 18	1 37	20 32	1 41	21 58	0 9	23 4	0 17	16 45	1 24	23 24	0 10	16 36	1 43	23 23	14 28	7 51	7 40	12 41	9 39	5 17
S 25	23 17	7 47	3 50	17 58	1 51	20 14	1 41	22 5	0 10	23 2	0 18	16 43	1 24	23 24	0 10	16 36	1 43	23 24	14 29	7 48	7 38	12 43	9 37	5 16
S 26	23 13	3 51	3 1	17 40	2 6	19 55	1 41	22 12	0 10	23 1	0 18	16 41	1 24	23 24	0 10	16 37	1 43	23 25	14 29	7 46	7 37	12 44	9 35	5 16
M27	23 9	0n 8	2 5	17 22	2 20	19 35	1 40	22 18	0 11	23 0	0 18	16 39	1 24	23 24	0 10	16 37	1 43	23 25	14 29	7 45	7 36	12 45	9 34	5 15
T 28	23 4	4 2	1 4	17 5	2 34	19 15	1 40	22 25	0 12	22 58	0 18	16 37	1 24	23 24	0 10	16 37	1 43	23 26	14 30	7 45	7 35	12 47	9 32	5 15
W29	22 59	7 42	0 1	16 50	2 48	18 55	1 40	22 31	0 12	22 57	0 18	16 35	1 24	23 23	0 10	16 38	1 43	23 26	14 30	7 45	7 34	12 48	9 30	5 14
T 30	22n54	11n 3	1s 1	16n35	3s 2	18n33	1n39	22n37	0n13	22n55	0n18	16n33	1n24	23s23	0s10	16n38	1s43	23s27	14s30	7s45	7s32	12n49	9n28	5s14

Julian Day Number = 2110200.5, Delta T = 19m42s
Ecliptic obliquity = 23°33'28, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°42'45, Lahiri = 10°49'45 Julian Calendar 1 June 1065 == Greg. Calendar 7 June 1065

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1065
geocentric

JULY 1065 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 59 4	14♋10'25	13♉11	3°R 7	14♌16	13♊ 9	15♋58	19♌ 3	20°R26	21♉48	4°R13	19°R41	19♎ 7	8♉45	21♌33	F 1
S 2	19 3 1	15° 7'41	25° 4	3♌ 0	15°28	13°49	16°11	19°10	20♐24	21°49	4♓12	19♎38	19° 4	8°52	21°40	S 2
S 3	19 6 57	16° 4'58	7♊ 5	2°48	16°40	14°30	16°25	19°17	20°22	21°51	4°11	19°31	19° 0	8°59	21°47	S 3
M 4	19 10 54	17° 2'16	19°18	2°30	17°52	15°10	16°38	19°23	20°20	21°52	4°11	19°22	18°57	9° 5	21°55	M 4
T 5	19 14 50	17°59'35	1♋45	2° 9	19° 5	15°50	16°52	19°30	20°18	21°54	4°10	19°10	18°54	9°12	22° 2	T 5
W 6	19 18 47	18°56'54	14°27	1°42	20°17	16°30	17° 5	19°37	20°16	21°55	4° 9	18°58	18°51	9°19	22° 9	W 6
T 7	19 22 43	19°54'15	27°24	1°12	21°29	17°11	17°18	19°44	20°14	21°56	4° 8	18°45	18°48	9°25	22°17	T 7
F 8	19 26 40	20°51'36	10♌35	0°38	22°41	17°51	17°32	19°51	20°12	21°58	4° 7	18°33	18°45	9°32	22°24	F 8
S 9	19 30 36	21°48'58	23°59	29♋59	23°52	18°31	17°45	19°58	20°10	21°59	4° 6	18°23	18°41	9°39	22°32	S 9
S 10	19 34 33	22°46'20	7♍32	29°19	25° 4	19°11	17°58	20° 5	20° 8	22° 0	4° 6	18°16	18°38	9°45	22°39	S 10
M11	19 38 30	23°43'43	21°15	28°36	26°16	19°51	18°12	20°12	20° 6	22° 2	4° 5	18°12	18°35	9°52	22°47	M11
T 12	19 42 26	24°41'07	5♎ 6	27°51	27°28	20°30	18°25	20°19	20° 4	22° 3	4° 4	18°10	18°32	9°59	22°54	T 12
W13	19 46 23	25°38'31	19° 5	27° 6	28°40	21°10	18°38	20°26	20° 2	22° 4	4° 3	18°10	18°29	10° 5	23° 2	W13
T 14	19 50 19	26°35'56	3♏11	26°20	29°51	21°50	18°51	20°33	20° 1	22° 5	4° 2	18°10	18°25	10°12	23°10	T 14
F 15	19 54 16	27°33'22	17°22	25°36	1♍ 3	22°30	19° 5	20°40	19°59	22° 6	4° 1	18° 9	18°22	10°19	23°17	F 15
S 16	19 58 12	28°30'48	1♐39	24°53	2°15	23° 9	19°18	20°47	19°57	22° 8	4° 0	18° 5	18°19	10°25	23°25	S 16
S 17	20 2 9	29°28'15	15°58	24°12	3°26	23°49	19°31	20°55	19°55	22° 9	3°59	18° 0	18°16	10°32	23°33	S 17
M18	20 6 5	0♑25'43	0♑15	23°35	4°38	24°29	19°44	21° 2	19°54	22°10	3°58	17°51	18°13	10°38	23°41	M18
T 19	20 10 2	1°23'13	14°25	23° 2	5°49	25° 8	19°58	21° 9	19°52	22°11	3°57	17°41	18°10	10°45	23°48	T 19
W20	20 13 59	2°20'43	28°23	22°34	7° 1	25°47	20°11	21°16	19°51	22°12	3°56	17°30	18° 6	10°52	23°56	W20
T 21	20 17 55	3°18'14	12♒ 5	22°11	8°12	26°27	20°24	21°24	19°49	22°13	3°55	17°19	18° 3	10°58	24° 4	T 21
F 22	20 21 52	4°15'46	25°27	21°53	9°23	27° 6	20°37	21°31	19°47	22°14	3°54	17° 9	18° 0	11° 5	24°12	F 22
S 23	20 25 48	5°13'20	8♓28	21°43	10°35	27°45	20°50	21°38	19°46	22°15	3°53	17° 1	17°57	11°12	24°20	S 23
S 24	20 29 45	6°10'55	21° 7	21°D38	11°46	28°24	21° 3	21°46	19°45	22°16	3°52	16°56	17°54	11°18	24°28	S 24
M25	20 33 41	7° 8'32	3♈28	21°41	12°57	29° 4	21°16	21°53	19°43	22°17	3°51	16°53	17°51	11°25	24°36	M25
T 26	20 37 38	8° 6'10	15°34	21°51	14° 8	29°43	21°29	22° 1	19°42	22°17	3°50	16°D53	17°47	11°32	24°44	T 26
W27	20 41 34	9° 3'49	27°29	22° 8	15°19	0♋22	21°42	22° 8	19°40	22°18	3°49	16°53	17°44	11°38	24°52	W27
T 28	20 45 31	10° 1'30	9♉19	22°33	16°30	1° 1	21°55	22°15	19°39	22°19	3°48	16°R53	17°41	11°45	25° 0	T 28
F 29	20 49 28	10°59'13	21° 9	23° 5	17°41	1°40	22° 8	22°23	19°38	22°20	3°46	16°53	17°38	11°52	25° 8	F 29
S 30	20 53 24	11°56'58	3♊ 4	23°44	18°52	2°18	22°21	22°30	19°37	22°20	3°45	16°50	17°35	11°58	25°17	S 30
S 31	20 57 21	12♌54'44	15♊ 8	24♋30	20♍ 3	2♋57	22♋34	22♌38	19♐36	22♉21	3♓44	16♎46	17♎31	12♉ 5	25♌25	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n48	13n57	2s 1	16n23	3s16	18n12	1n38	22n43	0n14	22n54	0n18	16n31	1n24	23s23	0s10	16n38	1s43	23s27	14s31	7s44	7s31	12n51	9n26	5s14
S 2	22 42	16 17	2 56	16 11	3 29	17 50	1 38	22 49	0 14	22 52	0 18	16 29	1 24	23 23	0 10	16 39	1 43	23 28	14 31	7 43	7 30	12 52	9 25	5 13
S 3	22 35	17 56	3 43	16 2	3 42	17 27	1 37	22 54	0 15	22 51	0 18	16 27	1 24	23 23	0 10	16 39	1 43	23 28	14 31	7 40	7 29	12 53	9 23	5 13
M 4	22 28	18 48	4 21	15 53	3 54	17 4	1 36	22 59	0 16	22 49	0 18	16 24	1 24	23 23	0 10	16 39	1 43	23 29	14 31	7 37	7 28	12 55	9 21	5 12
T 5	22 20	18 46	4 47	15 47	4 6	16 41	1 35	23 4	0 16	22 48	0 18	16 22	1 24	23 23	0 10	16 40	1 44	23 29	14 32	7 33	7 26	12 56	9 19	5 12
W 6	22 13	17 48	4 59	15 43	4 16	16 17	1 34	23 9	0 17	22 46	0 19	16 20	1 24	23 22	0 10	16 40	1 44	23 30	14 32	7 28	7 25	12 57	9 17	5 12
T 7	22 4	15 56	4 57	15 40	4 26	15 53	1 33	23 14	0 18	22 44	0 19	16 18	1 24	23 22	0 10	16 40	1 44	23 30	14 32	7 23	7 24	12 59	9 15	5 11
F 8	21 56	13 12	4 39	15 40	4 34	15 28	1 32	23 18	0 18	22 43	0 19	16 16	1 24	23 22	0 10	16 41	1 44	23 31	14 33	7 18	7 23	13 0	9 13	5 11
S 9	21 47	9 44	4 5	15 41	4 41	15 3	1 31	23 23	0 19	22 41	0 19	16 13	1 24	23 22	0 11	16 41	1 44	23 32	14 33	7 15	7 21	13 1	9 11	5 10
S 10	21 37	5 44	3 17	15 44	4 46	14 38	1 29	23 27	0 20	22 39	0 19	16 11	1 24	23 22	0 11	16 41	1 44	23 32	14 33	7 12	7 20	13 3	9 9	5 10
M11	21 28	1 23	2 17	15 49	4 50	14 12	1 28	23 31	0 21	22 38	0 19	16 9	1 24	23 22	0 11	16 42	1 44	23 33	14 33	7 10	7 19	13 4	9 7	5 10
T 12	21 18	3s 5	1 9	15 56	4 52	13 46	1 27	23 34	0 21	22 36	0 19	16 7	1 24	23 22	0 11	16 42	1 44	23 33	14 34	7 9	7 18	13 5	9 5	5 9
W13	21 7	7 26	0n 5	16 4	4 52	13 19	1 25	23 38	0 22	22 34	0 19	16 5	1 24	23 21	0 11	16 42	1 44	23 34	14 34	7 9	7 17	13 7	9 2	5 9
T 14	20 56	11 24	1 19	16 14	4 50	12 53	1 23	23 41	0 23	22 33	0 19	16 2	1 24	23 21	0 11	16 42	1 44	23 35	14 34	7 9	7 15	13 8	9 0	5 9
F 15	20 45	14 44	2 28	16 26	4 47	12 26	1 22	23 44	0 23	22 31	0 19	16 0	1 24	23 21	0 11	16 43	1 44	23 35	14 34	7 9	7 14	13 9	8 58	5 8
S 16	20 34	17 11	3 29	16 38	4 42	11 58	1 20	23 47	0 24	22 29	0 20	15 58	1 24	23 21	0 11	16 43	1 44	23 36	14 35	7 8	7 13	13 11	8 56	5 8
S 17	20 22	18 34	4 16	16 52	4 35	11 30	1 18	23 50	0 25	22 27	0 20	15 55	1 24	23 21	0 11	16 43	1 44	23 36	14 35	7 6	7 12	13 12	8 54	5 8
M18	20 10	18 46	4 48	17 7	4 26	11 2	1 16	23 52	0 25	22 25	0 20	15 53	1 24	23 21	0 11	16 43	1 44	23 37	14 35	7 2	7 11	13 13	8 51	5 7
T 19	19 57	17 47	5 1	17 22	4 16	10 34	1 14	23 54	0 26	22 24	0 20	15 51	1 24	23 21	0 11	16 44	1 44	23 37	14 35	6 58	7 9	13 14	8 49	5 7
W20	19 44	15 45	4 56	17 38	4 5	10 5	1 12	23 56	0 27	22 22	0 20	15 48	1 24	23 21	0 11	16 44	1 44	23 38	14 35	6 54	7 8	13 16	8 47	5 7
T 21	19 31	12 52	4 34	17 54	3 52	9 37	1 10	23 58	0 28	22 20	0 20	15 46	1 24	23 20	0 11	16 44	1 44	23 39	14 36	6 50	7 7	13 17	8 45	5 6
F 22	19 17	9 22	3 58	18 11	3 38	9 8	1 7	24 0	0 28	22 18	0 20	15 44	1 24	23 20	0 11	16 44	1 44	23 39	14 36	6 46	7 6	13 18	8 42	5 6
S 23	19 3	5 31	3 9	18 27	3 23	8 38	1 5	24 1	0 29	22 16	0 20	15 41	1 24	23 20	0 11	16 44	1 44	23 40	14 36	6 43	7 4	13 20	8 40	5 6
S 24	18 49	1 30	2 13	18 43	3 8	8 9	1 3	24 3	0 30	22 14	0 20	15 39	1 24	23 20	0 11	16 45	1 44	23 40	14 36	6 41	7 3	13 21	8 38	5 6
M25	18 35	2n28	1 11	18 59	2 52	7 39	1 0	24 4	0 30	22 12	0 20	15 37	1 24	23 20	0 11	16 45	1 44	23 41	14 36	6 40	7 2	13 22	8 35	5 5
T 26	18 20	6 16	0 7	19 13	2 35	7 9	0 58	24 5	0 31	22 10	0 21	15 34	1 24	23 20	0 11	16 45	1 45	23 41	14 37	6 40	7 1	13 23	8 33	5 5
W27	18 5	9 45	0s56	19 27	2 18	6 39	0 55	24 5	0 32	22 8	0 21	15 32	1 24	23 20	0 11	16 45	1 45	23 42	14 37	6 40	7 0	13 25	8 30	5 5
T 28	17 49	12 49	1 57	19 40	2 1	6 9	0 52	24 6	0 33	22 6	0 21	15 29	1 24	23 20	0 11	16 45	1 45	23 43	14 37	6 40	6 58	13 26	8 28	5 5
F 29	17 34	15 22	2 52	19 52	1 44	5 39	0 50	24 6	0 33	22 4	0 21	15 27	1 24	23 20	0 11	16 45	1 45	23 43	14 37	6 40	6 57	13 27	8 26	5 4
S 30	17 18	17 16	3 41	20 2	1 27	5 8	0 47	24 6	0 34	22 2	0 21	15 25	1 24	23 19	0 11	16 45	1 45	23 44	14 37	6 39	6 56	13 29	8 23	5 4
S 31	17n 1	18n25	4s20	20n10	1s10	4n38	0n44	24n 6	0n35	22n 0	0n21	15n22	1n24	23s19	0s11	16n46	1s45	23s44	14s38	6s37	6s55	13n30	8n21	5s 4

Julian Day Number = 2110230.5, Delta T = 19m42s
Ecliptic obliquity = 23°33'28, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°42'49, Lahiri = 10°49'49 Julian Calendar 1 July 1065 == Greg. Calendar 7 July 1065

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1065
geocentric

AUGUST 1065 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 1 17	13♌52'32	27♊27	25♋24	21♍14	3♋36	22♋47	22♌45	19°R35	22♉22	3°R43	16°R39	17♎28	12♉12	25♌33	M 1
T 2	21 5 14	14°50'22	10♋ 4	26°24	22°25	4°15	23° 0	22°53	19♐34	22°22	3♓42	16♎30	17°25	12°18	25°41	T 2
W 3	21 9 10	15°48'13	22°59	27°30	23°36	4°53	23°13	23° 0	19°32	22°23	3°41	16°20	17°22	12°25	25°49	W 3
T 4	21 13 7	16°46'06	6♌14	28°43	24°46	5°32	23°26	23° 8	19°32	22°24	3°39	16°10	17°19	12°32	25°57	T 4
F 5	21 17 3	17°44'01	19°46	0♌ 2	25°57	6°10	23°38	23°16	19°31	22°24	3°38	16° 0	17°16	12°38	26° 6	F 5
S 6	21 21 0	18°41'57	3♍33	1°26	27° 7	6°49	23°51	23°23	19°30	22°25	3°37	15°53	17°12	12°45	26°14	S 6
S 7	21 24 57	19°39'54	17°32	2°55	28°18	7°27	24° 4	23°31	19°29	22°25	3°36	15°47	17° 9	12°52	26°22	S 7
M 8	21 28 53	20°37'53	1♎38	4°29	29°28	8° 5	24°16	23°38	19°28	22°25	3°35	15°44	17° 6	12°58	26°30	M 8
T 9	21 32 50	21°35'53	15°48	6° 8	0♎39	8°44	24°29	23°46	19°27	22°26	3°33	15°D43	17° 3	13° 5	26°39	T 9
W10	21 36 46	22°33'55	0♏ 0	7°49	1°49	9°22	24°41	23°53	19°27	22°26	3°32	15°44	17° 0	13°12	26°47	W10
T 11	21 40 43	23°31'58	14°11	9°34	2°59	10° 0	24°54	24° 1	19°26	22°27	3°31	15°45	16°57	13°18	26°55	T 11
F 12	21 44 39	24°30'03	28°20	11°22	4° 9	10°38	25° 6	24° 8	19°26	22°27	3°30	15°R45	16°53	13°25	27° 3	F 12
S 13	21 48 36	25°28'09	12♐25	13°12	5°19	11°16	25°19	24°16	19°25	22°27	3°29	15°44	16°50	13°32	27°12	S 13
S 14	21 52 32	26°26'17	26°26	15° 4	6°29	11°54	25°31	24°24	19°24	22°27	3°27	15°40	16°47	13°38	27°20	S 14
M15	21 56 29	27°24'26	10♑19	16°58	7°39	12°32	25°43	24°31	19°24	22°27	3°26	15°35	16°44	13°45	27°28	M15
T 16	22 0 26	28°22'36	24° 2	18°52	8°49	13°10	25°55	24°39	19°24	22°28	3°25	15°28	16°41	13°52	27°37	T 16
W17	22 4 22	29°20'48	7♒35	20°47	9°59	13°47	26° 8	24°46	19°23	22°28	3°24	15°20	16°37	13°58	27°45	W17
T 18	22 8 19	0♍19'02	20°53	22°43	11° 8	14°25	26°20	24°54	19°23	22°28	3°22	15°13	16°34	14° 5	27°53	T 18
F 19	22 12 15	1°17'18	3♓56	24°39	12°18	15° 3	26°32	25° 1	19°23	22°28	3°21	15° 6	16°31	14°12	28° 2	F 19
S 20	22 16 12	2°15'35	16°42	26°35	13°28	15°40	26°44	25° 9	19°23	22°R28	3°20	15° 1	16°28	14°18	28°10	S 20
S 21	22 20 8	3°13'54	29°12	28°30	14°37	16°18	26°56	25°16	19°22	22°28	3°19	14°58	16°25	14°25	28°18	S 21
M22	22 24 5	4°12'15	11♈27	0♍25	15°46	16°55	27° 7	25°24	19°22	22°28	3°17	14°D56	16°22	14°32	28°26	M22
T 23	22 28 1	5°10'39	23°30	2°19	16°56	17°33	27°19	25°31	19°D22	22°28	3°16	14°57	16°18	14°38	28°35	T 23
W24	22 31 58	6° 9'04	5♉24	4°13	18° 5	18°10	27°31	25°39	19°22	22°28	3°15	14°58	16°15	14°45	28°43	W24
T 25	22 35 54	7° 7'32	17°13	6° 6	19°14	18°47	27°43	25°46	19°22	22°28	3°14	15° 0	16°12	14°52	28°51	T 25
F 26	22 39 51	8° 6'01	29° 3	7°58	20°23	19°24	27°54	25°54	19°23	22°27	3°12	15° 1	16° 9	14°58	29° 0	F 26
S 27	22 43 48	9° 4'33	10♊58	9°49	21°32	20° 1	28° 6	26° 1	19°23	22°27	3°11	15°R 2	16° 6	15° 5	29° 8	S 27
S 28	22 47 44	10° 3'08	23° 3	11°39	22°40	20°39	28°17	26° 9	19°23	22°27	3°10	15° 1	16° 2	15°12	29°16	S 28
M29	22 51 41	11° 1'44	5♋23	13°29	23°49	21°16	28°29	26°16	19°23	22°27	3° 9	14°58	15°59	15°18	29°24	M29
T 30	22 55 37	12° 0'23	18° 2	15°17	24°58	21°52	28°40	26°24	19°24	22°26	3° 8	14°54	15°56	15°25	29°33	T 30
W31	22 59 34	12♍59'04	1♌ 3	17♍ 4	26♎ 6	22♋29	28♋51	26♌31	19♐24	22♉26	3♓ 6	14♎50	15♎53	15♉32	29♌41	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n45	18n44	4s48	20n17	0s54	4n 7	0n41	24n 6	0n35	21n58	0n21	15n20	1n25	23s19	0s11	16n46	1s45	23s45	14s38	6s35	6s54	13n31	8n18	5s 4
T 2	16 28	18 9	5 2	20 21	0 38	3 36	0 38	24 5	0 36	21 56	0 21	15 17	1 25	23 19	0 11	16 46	1 45	23 46	14 38	6 31	6 52	13 32	8 16	5 3
W 3	16 11	16 37	5 2	20 23	0 23	3 5	0 35	24 5	0 37	21 54	0 21	15 15	1 25	23 19	0 11	16 46	1 45	23 46	14 38	6 27	6 51	13 34	8 13	5 3
T 4	15 53	14 11	4 46	20 23	0 8	2 34	0 31	24 4	0 38	21 52	0 22	15 12	1 25	23 19	0 11	16 46	1 45	23 47	14 38	6 23	6 50	13 35	8 10	5 3
F 5	15 36	10 57	4 14	20 20	0n 6	2 3	0 28	24 3	0 38	21 50	0 22	15 10	1 25	23 19	0 11	16 46	1 45	23 47	14 38	6 20	6 49	13 36	8 8	5 3
S 6	15 18	7 3	3 26	20 15	0 19	1 32	0 25	24 2	0 39	21 48	0 22	15 7	1 25	23 19	0 11	16 46	1 45	23 48	14 38	6 17	6 47	13 37	8 5	5 3
S 7	15 0	2 43	2 25	20 7	0 31	1 1	0 22	24 0	0 40	21 46	0 22	15 5	1 25	23 19	0 11	16 46	1 45	23 48	14 38	6 15	6 46	13 39	8 3	5 2
M 8	14 41	1s48	1 15	19 56	0 43	0 29	0 18	23 59	0 40	21 44	0 22	15 3	1 25	23 19	0 11	16 46	1 45	23 49	14 39	6 13	6 45	13 40	8 0	5 2
T 9	14 23	6 15	0n 0	19 42	0 53	0s 2	0 15	23 57	0 41	21 42	0 22	15 0	1 25	23 19	0 11	16 46	1 45	23 50	14 39	6 13	6 44	13 41	7 58	5 2
W10	14 4	10 21	1 16	19 25	1 3	0 33	0 11	23 55	0 42	21 40	0 22	14 58	1 25	23 19	0 11	16 46	1 45	23 50	14 39	6 13	6 43	13 42	7 55	5 2
T 11	13 45	13 50	2 27	19 6	1 12	1 5	0 8	23 53	0 43	21 37	0 22	14 55	1 25	23 19	0 11	16 46	1 45	23 51	14 39	6 14	6 41	13 44	7 52	5 2
F 12	13 25	16 30	3 29	18 43	1 19	1 36	0 4	23 51	0 43	21 35	0 23	14 53	1 25	23 19	0 11	16 46	1 45	23 51	14 39	6 14	6 40	13 45	7 50	5 2
S 13	13 6	18 8	4 18	18 19	1 26	2 7	0 0	23 49	0 44	21 33	0 23	14 50	1 25	23 19	0 11	16 46	1 46	23 52	14 39	6 13	6 39	13 46	7 47	5 2
S 14	12 46	18 40	4 51	17 51	1 32	2 38	0s 3	23 46	0 45	21 31	0 23	14 48	1 25	23 19	0 11	16 46	1 46	23 52	14 39	6 12	6 38	13 47	7 44	5 1
M15	12 26	18 4	5 7	17 22	1 37	3 10	0 7	23 43	0 46	21 29	0 23	14 45	1 25	23 18	0 11	16 46	1 46	23 53	14 39	6 10	6 36	13 49	7 41	5 1
T 16	12 6	16 25	5 4	16 50	1 41	3 41	0 11	23 40	0 46	21 27	0 23	14 43	1 25	23 18	0 11	16 46	1 46	23 53	14 39	6 7	6 35	13 50	7 39	5 1
W17	11 45	13 52	4 45	16 16	1 44	4 12	0 15	23 37	0 47	21 25	0 23	14 40	1 26	23 18	0 11	16 46	1 46	23 54	14 39	6 4	6 34	13 51	7 36	5 1
T 18	11 25	10 38	4 11	15 41	1 46	4 43	0 19	23 34	0 48	21 22	0 23	14 38	1 26	23 18	0 11	16 46	1 46	23 54	14 39	6 1	6 33	13 52	7 33	5 1
F 19	11 4	6 57	3 24	15 3	1 47	5 14	0 23	23 30	0 48	21 20	0 23	14 35	1 26	23 18	0 11	16 46	1 46	23 55	14 39	5 59	6 31	13 53	7 31	5 1
S 20	10 43	3 1	2 27	14 24	1 48	5 45	0 27	23 27	0 49	21 18	0 24	14 33	1 26	23 18	0 11	16 46	1 46	23 55	14 39	5 57	6 30	13 55	7 28	5 1
S 21	10 22	0n58	1 25	13 44	1 48	6 15	0 31	23 23	0 50	21 16	0 24	14 30	1 26	23 18	0 11	16 46	1 46	23 56	14 39	5 55	6 29	13 56	7 25	5 1
M22	10 1	4 50	0 19	13 3	1 47	6 46	0 35	23 19	0 51	21 14	0 24	14 28	1 26	23 18	0 11	16 46	1 46	23 56	14 40	5 55	6 28	13 57	7 22	5 1
T 23	9 40	8 27	0s46	12 21	1 46	7 17	0 39	23 15	0 51	21 11	0 24	14 25	1 26	23 18	0 11	16 46	1 46	23 57	14 40	5 55	6 27	13 58	7 20	5 1
W24	9 18	11 40	1 49	11 37	1 44	7 47	0 43	23 11	0 52	21 9	0 24	14 23	1 26	23 18	0 11	16 46	1 46	23 57	14 40	5 56	6 25	13 59	7 17	5 1
T 25	8 56	14 23	2 47	10 53	1 42	8 17	0 47	23 6	0 53	21 7	0 24	14 21	1 26	23 18	0 11	16 46	1 46	23 58	14 40	5 56	6 24	14 1	7 14	5 1
F 26	8 34	16 30	3 38	10 9	1 39	8 47	0 51	23 2	0 54	21 5	0 24	14 18	1 26	23 18	0 11	16 46	1 46	23 58	14 40	5 57	6 23	14 2	7 11	5 0
S 27	8 12	17 55	4 19	9 24	1 35	9 17	0 55	22 57	0 54	21 3	0 25	14 16	1 26	23 18	0 11	16 46	1 46	23 59	14 40	5 57	6 22	14 3	7 8	5 0
S 28	7 50	18 33	4 50	8 38	1 32	9 47	0 59	22 52	0 55	21 1	0 25	14 13	1 27	23 18	0 11	16 46	1 46	23 59	14 40	5 56	6 20	14 4	7 6	5 0
M29	7 28	18 19	5 8	7 52	1 27	10 16	1 4	22 47	0 56	20 58	0 25	14 11	1 27	23 18	0 11	16 45	1 46	24 0	14 40	5 56	6 19	14 5	7 3	5 0
T 30	7 6	17 11	5 12	7 6	1 23	10 46	1 8	22 42	0 57	20 56	0 25	14 8	1 27	23 18	0 11	16 45	1 46	24 0	14 40	5 54	6 18	14 7	7 0	5 0
W31	6n43	15n 8	5s 0	6n20	1n18	11s15	1s12	22n37	0n57	20n54	0n25	14n 6	1n27	23s18	0s11	16n45	1s47	24s 0	14s39	5s52	6s17	14n 8	6n57	5s 0

Julian Day Number = 2110261.5, Delta T = 19m42s
Ecliptic obliquity = 23°33'28, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°42'53, Lahiri = 10°49'54 Julian Calendar 1 Aug. 1065 == Greg. Calendar 7 Aug. 1065

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1065
geocentric

SEPTEMBER 1065 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 3 30	13♍57'47	14♌27	18♍51	27♎15	23♋ 6	29♋ 2	26♌38	19♐24	22°R26	3°R 5	14°R45	15♎50	15♉38	29♌49	T 1
F 2	23 7 27	14°56'32	28°13	20°36	28°23	23°43	29°14	26°46	19°25	22♉25	3♓ 4	14♎40	15°47	15°45	29°57	F 2
S 3	23 11 23	15°55'19	12♍20	22°20	29°31	24°19	29°25	26°53	19°25	22°25	3° 3	14°36	15°43	15°52	0♍ 5	S 3
S 4	23 15 20	16°54'08	26°43	24° 4	0♏39	24°56	29°35	27° 0	19°26	22°24	3° 1	14°34	15°40	15°58	0°13	S 4
M 5	23 19 17	17°53'00	11♎15	25°46	1°47	25°32	29°46	27° 7	19°27	22°24	3° 0	14°D33	15°37	16° 5	0°22	M 5
T 6	23 23 13	18°51'53	25°52	27°27	2°55	26° 9	29°57	27°15	19°27	22°23	2°59	14°33	15°34	16°11	0°30	T 6
W 7	23 27 10	19°50'48	10♏26	29° 8	4° 3	26°45	0♌ 8	27°22	19°28	22°23	2°58	14°34	15°31	16°18	0°38	W 7
T 8	23 31 6	20°49'45	24°55	0♎47	5°10	27°22	0°18	27°29	19°29	22°22	2°57	14°36	15°28	16°25	0°46	T 8
F 9	23 35 3	21°48'44	9♐12	2°26	6°18	27°58	0°29	27°36	19°30	22°21	2°56	14°37	15°24	16°31	0°54	F 9
S 10	23 38 59	22°47'44	23°18	4° 4	7°25	28°34	0°39	27°43	19°30	22°21	2°54	14°R37	15°21	16°38	1° 2	S 10
S 11	23 42 56	23°46'46	7♑ 9	5°41	8°32	29°10	0°50	27°50	19°31	22°20	2°53	14°37	15°18	16°45	1°10	S 11
M12	23 46 52	24°45'50	20°46	7°17	9°39	29°46	1° 0	27°57	19°32	22°19	2°52	14°35	15°15	16°51	1°18	M12
T 13	23 50 49	25°44'56	4♒ 9	8°52	10°46	0♌22	1°10	28° 4	19°33	22°19	2°51	14°33	15°12	16°58	1°26	T 13
W14	23 54 46	26°44'04	17°17	10°26	11°53	0°58	1°20	28°11	19°34	22°18	2°50	14°31	15° 8	17° 5	1°34	W14
T 15	23 58 42	27°43'13	0♓12	12° 0	12°59	1°33	1°30	28°18	19°36	22°17	2°49	14°28	15° 5	17°11	1°41	T 15
F 16	0 2 39	28°42'25	12°53	13°33	14° 6	2° 9	1°40	28°25	19°37	22°16	2°48	14°26	15° 2	17°18	1°49	F 16
S 17	0 6 35	29°41'38	25°21	15° 5	15°12	2°44	1°49	28°32	19°38	22°15	2°47	14°24	14°59	17°25	1°57	S 17
S 18	0 10 32	0♎40'54	7♈37	16°36	16°18	3°20	1°59	28°39	19°39	22°14	2°45	14°23	14°56	17°31	2° 5	S 18
M19	0 14 28	1°40'11	19°44	18° 6	17°24	3°55	2° 9	28°46	19°41	22°14	2°44	14°D23	14°53	17°38	2°12	M19
T 20	0 18 25	2°39'31	1♉41	19°36	18°29	4°31	2°18	28°52	19°42	22°13	2°43	14°24	14°49	17°45	2°20	T 20
W21	0 22 21	3°38'53	13°33	21° 5	19°35	5° 6	2°27	28°59	19°43	22°12	2°42	14°25	14°46	17°51	2°28	W21
T 22	0 26 18	4°38'17	25°21	22°33	20°40	5°41	2°37	29° 6	19°45	22°11	2°41	14°26	14°43	17°58	2°35	T 22
F 23	0 30 14	5°37'44	7♊11	24° 0	21°45	6°16	2°46	29°12	19°46	22°10	2°40	14°27	14°40	18° 5	2°43	F 23
S 24	0 34 11	6°37'13	19° 5	25°26	22°50	6°51	2°55	29°19	19°48	22° 9	2°39	14°28	14°37	18°11	2°50	S 24
S 25	0 38 8	7°36'44	1♋ 8	26°52	23°55	7°26	3° 3	29°25	19°50	22° 7	2°38	14°28	14°33	18°18	2°58	S 25
M26	0 42 4	8°36'18	13°25	28°17	24°59	8° 1	3°12	29°32	19°51	22° 6	2°37	14°R28	14°30	18°25	3° 5	M26
T 27	0 46 1	9°35'54	26° 1	29°41	26° 4	8°36	3°21	29°38	19°53	22° 5	2°36	14°28	14°27	18°31	3°13	T 27
W28	0 49 57	10°35'32	8♌59	1♏ 4	27° 8	9°10	3°29	29°45	19°55	22° 4	2°35	14°28	14°24	18°38	3°20	W28
T 29	0 53 54	11°35'13	22°22	2°26	28°11	9°45	3°38	29°51	19°57	22° 3	2°34	14°27	14°21	18°45	3°27	T 29
F 30	0 57 50	12♎34'55	6♍11	3♏47	29♏15	10♌19	3♌46	29♌57	19♐58	22♉ 2	2♓34	14♎27	14♎18	18♉52	3♍35	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	6n20	12n14	4s32	5n33	1n13	11s44	1s16	22n32	0n58	20n52	0n25	14n 3	1n27	23s19	0s11	16n45	1s47	24s 1	14s39	5s50	6s16	14n 9	6n54	5s 0	T 1
F 2	5 58	8 36	3 47	4 47	1 8	12 12	1 20	22 26	0 59	20 50	0 25	14 1	1 27	23 19	0 11	16 45	1 47	24 1	14 39	5 49	6 14	14 10	6 51	5 0	F 2
S 3	5 35	4 23	2 48	4 0	1 2	12 41	1 25	22 20	1 0	20 47	0 25	13 59	1 27	23 19	0 11	16 45	1 47	24 2	14 39	5 47	6 13	14 11	6 48	5 0	S 3
S 4	5 12	0s10	1 37	3 14	0 56	13 9	1 29	22 14	1 0	20 45	0 26	13 56	1 27	23 19	0 11	16 45	1 47	24 2	14 39	5 46	6 12	14 13	6 46	5 0	S 4
M 5	4 49	4 45	0 18	2 27	0 50	13 36	1 33	22 8	1 1	20 43	0 26	13 54	1 27	23 19	0 11	16 44	1 47	24 3	14 39	5 46	6 11	14 14	6 43	5 0	M 5
T 6	4 26	9 5	1n 2	1 41	0 44	14 4	1 37	22 2	1 2	20 41	0 26	13 51	1 27	23 19	0 11	16 44	1 47	24 3	14 39	5 46	6 9	14 15	6 40	5 0	T 6
W 7	4 2	12 51	2 18	0 55	0 37	14 31	1 42	21 56	1 3	20 39	0 26	13 49	1 28	23 19	0 11	16 44	1 47	24 3	14 39	5 46	6 8	14 16	6 37	5 1	W 7
T 8	3 39	15 47	3 24	0 9	0 31	14 58	1 46	21 50	1 4	20 37	0 26	13 47	1 28	23 19	0 11	16 44	1 47	24 4	14 39	5 47	6 7	14 17	6 34	5 1	T 8
F 9	3 16	17 42	4 17	0s36	0 24	15 25	1 50	21 43	1 4	20 35	0 26	13 44	1 28	23 19	0 11	16 44	1 47	24 4	14 39	5 47	6 6	14 18	6 31	5 1	F 9
S 10	2 52	18 30	4 54	1 22	0 17	15 51	1 54	21 37	1 5	20 33	0 27	13 42	1 28	23 19	0 11	16 43	1 47	24 4	14 39	5 47	6 4	14 20	6 28	5 1	S 10
S 11	2 29	18 9	5 13	2 6	0 10	16 17	1 58	21 30	1 6	20 30	0 27	13 40	1 28	23 19	0 11	16 43	1 47	24 5	14 39	5 47	6 3	14 21	6 26	5 1	S 11
M12	2 5	16 47	5 14	2 51	0 3	16 43	2 3	21 23	1 7	20 28	0 27	13 37	1 28	23 19	0 11	16 43	1 47	24 5	14 39	5 47	6 2	14 22	6 23	5 1	M12
T 13	1 42	14 30	4 57	3 35	0s 4	17 8	2 7	21 16	1 7	20 26	0 27	13 35	1 28	23 19	0 11	16 43	1 47	24 5	14 39	5 46	6 1	14 23	6 20	5 1	T 13
W14	1 18	11 31	4 26	4 19	0 11	17 33	2 11	21 9	1 8	20 24	0 27	13 33	1 29	23 19	0 11	16 42	1 47	24 6	14 38	5 45	6 0	14 24	6 17	5 1	W14
T 15	0 55	8 1	3 41	5 2	0 18	17 57	2 15	21 2	1 9	20 22	0 27	13 30	1 29	23 19	0 11	16 42	1 47	24 6	14 38	5 44	5 58	14 25	6 14	5 1	T 15
F 16	0 31	4 12	2 46	5 45	0 25	18 21	2 19	20 55	1 10	20 20	0 27	13 28	1 29	23 20	0 11	16 42	1 47	24 6	14 38	5 43	5 57	14 26	6 11	5 1	F 16
S 17	0 7	0 16	1 44	6 27	0 32	18 45	2 23	20 47	1 11	20 18	0 28	13 26	1 29	23 20	0 11	16 42	1 47	24 7	14 38	5 42	5 56	14 28	6 8	5 1	S 17
S 18	0s16	3n37	0 37	7 9	0 39	19 8	2 27	20 40	1 11	20 16	0 28	13 24	1 29	23 20	0 11	16 41	1 47	24 7	14 38	5 42	5 55	14 29	6 6	5 1	S 18
M19	0 40	7 18	0s30	7 51	0 46	19 31	2 31	20 32	1 12	20 14	0 28	13 21	1 29	23 20	0 11	16 41	1 47	24 7	14 38	5 42	5 53	14 30	6 3	5 2	M19
T 20	1 4	10 38	1 35	8 31	0 53	19 54	2 35	20 25	1 13	20 12	0 28	13 19	1 29	23 20	0 11	16 41	1 48	24 7	14 38	5 42	5 52	14 31	6 0	5 2	T 20
W21	1 27	13 31	2 35	9 12	1 0	20 16	2 39	20 17	1 14	20 10	0 28	13 17	1 30	23 20	0 11	16 41	1 48	24 8	14 37	5 43	5 51	14 32	5 57	5 2	W21
T 22	1 51	15 49	3 28	9 51	1 7	20 37	2 43	20 9	1 15	20 8	0 28	13 15	1 30	23 20	0 11	16 40	1 48	24 8	14 37	5 43	5 50	14 33	5 54	5 2	T 22
F 23	2 15	17 27	4 13	10 30	1 14	20 58	2 46	20 1	1 15	20 6	0 29	13 12	1 30	23 20	0 11	16 40	1 48	24 8	14 37	5 43	5 48	14 34	5 51	5 2	F 23
S 24	2 38	18 20	4 47	11 9	1 21	21 19	2 50	19 53	1 16	20 4	0 29	13 10	1 30	23 20	0 11	16 40	1 48	24 8	14 37	5 44	5 47	14 36	5 49	5 2	S 24
S 25	3 2	18 24	5 9	11 46	1 28	21 39	2 54	19 45	1 17	20 2	0 29	13 8	1 30	23 21	0 11	16 39	1 48	24 9	14 37	5 44	5 46	14 37	5 46	5 3	S 25
M26	3 26	17 36	5 18	12 23	1 34	21 58	2 57	19 36	1 18	20 1	0 29	13 6	1 30	23 21	0 11	16 39	1 48	24 9	14 37	5 44	5 45	14 38	5 43	5 3	M26
T 27	3 49	15 57	5 11	12 59	1 41	22 18	3 1	19 28	1 19	19 59	0 29	13 4	1 30	23 21	0 11	16 39	1 48	24 9	14 36	5 44	5 43	14 39	5 40	5 3	T 27
W28	4 13	13 27	4 49	13 34	1 47	22 36	3 4	19 20	1 20	19 57	0 30	13 2	1 31	23 21	0 11	16 38	1 48	24 9	14 36	5 44	5 42	14 40	5 37	5 3	W28
T 29	4 36	10 10	4 11	14 9	1 53	22 54	3 8	19 11	1 20	19 55	0 30	13 0	1 31	23 21	0 11	16 38	1 48	24 9	14 36	5 43	5 41	14 41	5 35	5 3	T 29
F 30	5s 0	6n14	3s17	14s43	2s 0	23s12	3s11	19n 3	1n21	19n53	0n30	12n58	1n31	23s21	0s11	16n38	1s48	24s10	14s36	5s43	5s40	14n42	5n32	5s 3	F 30

Julian Day Number = 2110292.5, Delta T = 19m41s
Ecliptic obliquity = 23°33'29, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°42'57, Lahiri = 10°49'58 Julian Calendar 1 Sept. 1065 == Greg. Calendar 7 Sept. 1065

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1065
geocentric

OCTOBER 1065 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 1 47	13♎34'40	20♍25	5♏ 7	0♐18	10♌54	3♌54	0♍ 3	20♐ 0	22°R 0	2°R33	14°R27	14♎14	18♉58	3♍42	S 1
S 2	1 5 43	14°34'27	5♎ 1	6°26	1°21	11°28	4° 2	0°10	20° 2	21♉59	2♓32	14°D27	14°11	19° 5	3°49	S 2
M 3	1 9 40	15°34'17	19°53	7°43	2°24	12° 2	4°10	0°16	20° 4	21°58	2°31	14°R27	14° 8	19°12	3°56	M 3
T 4	1 13 37	16°34'08	4♏54	9° 0	3°27	12°36	4°17	0°22	20° 6	21°57	2°30	14♎27	14° 5	19°18	4° 3	T 4
W 5	1 17 33	17°34'01	19°54	10°15	4°29	13°10	4°25	0°28	20° 8	21°55	2°29	14°26	14° 2	19°25	4°10	W 5
T 6	1 21 30	18°33'56	4♐46	11°28	5°31	13°44	4°32	0°34	20°10	21°54	2°28	14°26	13°59	19°32	4°17	T 6
F 7	1 25 26	19°33'53	19°22	12°40	6°32	14°18	4°40	0°39	20°13	21°53	2°28	14°26	13°55	19°38	4°24	F 7
S 8	1 29 23	20°33'51	3♑39	13°50	7°34	14°51	4°47	0°45	20°15	21°51	2°27	14°25	13°52	19°45	4°31	S 8
S 9	1 33 19	21°33'51	17°33	14°58	8°34	15°25	4°54	0°51	20°17	21°50	2°26	14°D25	13°49	19°52	4°37	S 9
M10	1 37 16	22°33'53	1♒ 6	16° 3	9°35	15°58	5° 1	0°57	20°19	21°48	2°25	14°25	13°46	19°58	4°44	M10
T 11	1 41 12	23°33'56	14°17	17° 7	10°35	16°32	5° 7	1° 2	20°22	21°47	2°25	14°25	13°43	20° 5	4°51	T 11
W12	1 45 9	24°34'01	27°10	18° 7	11°35	17° 5	5°14	1° 8	20°24	21°45	2°24	14°26	13°39	20°12	4°57	W12
T 13	1 49 6	25°34'08	9♓46	19° 4	12°34	17°38	5°20	1°13	20°26	21°44	2°23	14°27	13°36	20°18	5° 4	T 13
F 14	1 53 2	26°34'16	22° 9	19°58	13°33	18°11	5°27	1°18	20°29	21°42	2°23	14°28	13°33	20°25	5°10	F 14
S 15	1 56 59	27°34'26	4♈21	20°48	14°32	18°44	5°33	1°24	20°31	21°41	2°22	14°29	13°30	20°32	5°17	S 15
S 16	2 0 55	28°34'37	16°25	21°34	15°30	19°16	5°39	1°29	20°34	21°39	2°22	14°R29	13°27	20°38	5°23	S 16
M17	2 4 52	29°34'50	28°22	22°15	16°28	19°49	5°45	1°34	20°36	21°38	2°21	14°29	13°24	20°45	5°29	M17
T 18	2 8 48	0♏35'06	10♉14	22°50	17°25	20°22	5°50	1°39	20°39	21°36	2°20	14°27	13°20	20°52	5°35	T 18
W19	2 12 45	1°35'23	22° 4	23°20	18°22	20°54	5°56	1°44	20°42	21°35	2°20	14°25	13°17	20°58	5°41	W19
T 20	2 16 41	2°35'42	3♊53	23°43	19°18	21°26	6° 1	1°49	20°44	21°33	2°19	14°22	13°14	21° 5	5°47	T 20
F 21	2 20 38	3°36'02	15°44	23°59	20°13	21°58	6° 6	1°54	20°47	21°32	2°19	14°19	13°11	21°12	5°53	F 21
S 22	2 24 34	4°36'25	27°40	24°R 6	21° 8	22°30	6°11	1°59	20°50	21°30	2°18	14°16	13° 8	21°18	5°59	S 22
S 23	2 28 31	5°36'50	9♋44	24° 6	22° 3	23° 2	6°16	2° 3	20°53	21°28	2°18	14°13	13° 5	21°25	6° 5	S 23
M24	2 32 28	6°37'16	21°59	23°55	22°57	23°34	6°21	2° 8	20°55	21°27	2°17	14°11	13° 1	21°32	6°11	M24
T 25	2 36 24	7°37'45	4♌30	23°35	23°50	24° 6	6°25	2°13	20°58	21°25	2°17	14°D11	12°58	21°38	6°16	T 25
W26	2 40 21	8°38'15	17°21	23° 5	24°43	24°37	6°29	2°17	21° 1	21°23	2°17	14°11	12°55	21°45	6°22	W26
T 27	2 44 17	9°38'47	0♍35	22°24	25°35	25° 8	6°34	2°21	21° 4	21°22	2°16	14°12	12°52	21°52	6°27	T 27
F 28	2 48 14	10°39'22	14°15	21°34	26°26	25°40	6°38	2°26	21° 7	21°20	2°16	14°13	12°49	21°58	6°33	F 28
S 29	2 52 10	11°39'57	28°22	20°34	27°17	26°11	6°41	2°30	21°10	21°18	2°16	14°15	12°45	22° 5	6°38	S 29
S 30	2 56 7	12°40'35	12♎56	19°25	28° 7	26°41	6°45	2°34	21°13	21°17	2°15	14°R16	12°42	22°12	6°43	S 30
M31	3 0 3	13♏41'14	27♎52	18♏10	28♐56	27♌12	6♌48	2♍38	21♐16	21♉15	2♓15	14♎15	12♎39	22♉18	6♍48	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s23	1n50	2s10	15s15	2s 5	23s29	3s14	18n54	1n22	19n52	0n30	12n56	1n31	23s21	0s11	16n37	1s48	24s10	14s36	5s43	5s39	14n43	5n29	5s 4
S 2	5 46	2s48	0 52	15 47	2 11	23 45	3 17	18 45	1 23	19 50	0 30	12 54	1 31	23 21	0 11	16 37	1 48	24 10	14 36	5 43	5 37	14 44	5 26	5 4
M 3	6 10	7 21	0n30	16 18	2 16	24 1	3 20	18 36	1 24	19 48	0 30	12 52	1 31	23 22	0 11	16 37	1 48	24 10	14 35	5 43	5 36	14 46	5 23	5 4
T 4	6 33	11 28	1 51	16 48	2 22	24 16	3 23	18 28	1 25	19 47	0 31	12 50	1 32	23 22	0 11	16 36	1 48	24 10	14 35	5 43	5 35	14 47	5 21	5 4
W 5	6 56	14 50	3 5	17 17	2 26	24 31	3 26	18 19	1 25	19 45	0 31	12 48	1 32	23 22	0 11	16 36	1 48	24 10	14 35	5 43	5 34	14 48	5 18	5 5
T 6	7 19	17 11	4 5	17 44	2 31	24 45	3 29	18 10	1 26	19 43	0 31	12 46	1 32	23 22	0 11	16 35	1 48	24 10	14 35	5 43	5 32	14 49	5 15	5 5
F 7	7 41	18 21	4 48	18 11	2 35	24 59	3 32	18 1	1 27	19 42	0 31	12 44	1 32	23 22	0 11	16 35	1 48	24 10	14 34	5 43	5 31	14 50	5 13	5 5
S 8	8 4	18 18	5 12	18 36	2 39	25 12	3 34	17 52	1 28	19 40	0 31	12 42	1 32	23 22	0 11	16 35	1 48	24 10	14 34	5 43	5 30	14 51	5 10	5 5
S 9	8 27	17 9	5 17	19 0	2 43	25 24	3 37	17 42	1 29	19 39	0 32	12 40	1 33	23 23	0 11	16 34	1 48	24 11	14 34	5 43	5 29	14 52	5 7	5 6
M10	8 49	15 4	5 4	19 22	2 46	25 36	3 39	17 33	1 30	19 37	0 32	12 38	1 33	23 23	0 11	16 34	1 48	24 11	14 34	5 43	5 27	14 53	5 5	5 6
T 11	9 12	12 14	4 36	19 43	2 48	25 48	3 41	17 24	1 31	19 36	0 32	12 36	1 33	23 23	0 11	16 34	1 48	24 11	14 33	5 43	5 26	14 54	5 2	5 6
W12	9 34	8 51	3 54	20 2	2 50	25 58	3 43	17 15	1 32	19 34	0 32	12 35	1 33	23 23	0 11	16 33	1 48	24 11	14 33	5 43	5 25	14 55	4 59	5 6
T 13	9 56	5 9	3 1	20 20	2 52	26 8	3 45	17 5	1 32	19 33	0 32	12 33	1 33	23 23	0 11	16 33	1 48	24 11	14 33	5 44	5 24	14 56	4 57	5 7
F 14	10 18	1 17	2 1	20 35	2 52	26 18	3 47	16 56	1 33	19 32	0 33	12 31	1 34	23 23	0 11	16 32	1 48	24 11	14 33	5 44	5 22	14 58	4 54	5 7
S 15	10 40	2n36	0 56	20 49	2 53	26 27	3 49	16 47	1 34	19 30	0 33	12 29	1 34	23 24	0 11	16 32	1 48	24 11	14 32	5 44	5 21	14 59	4 51	5 7
S 16	11 1	6 19	0s11	21 0	2 52	26 35	3 50	16 37	1 35	19 29	0 33	12 28	1 34	23 24	0 11	16 31	1 48	24 11	14 32	5 44	5 20	15 0	4 49	5 8
M17	11 23	9 46	1 16	21 10	2 50	26 43	3 52	16 28	1 36	19 28	0 33	12 26	1 34	23 24	0 11	16 31	1 48	24 11	14 32	5 44	5 19	15 1	4 46	5 8
T 18	11 44	12 47	2 18	21 16	2 48	26 50	3 53	16 18	1 37	19 27	0 33	12 24	1 34	23 24	0 11	16 31	1 48	24 11	14 32	5 44	5 17	15 2	4 44	5 8
W19	12 5	15 16	3 13	21 21	2 44	26 56	3 54	16 9	1 38	19 25	0 34	12 23	1 35	23 24	0 11	16 30	1 48	24 11	14 31	5 43	5 16	15 3	4 41	5 8
T 20	12 26	17 6	4 0	21 22	2 39	27 2	3 55	15 59	1 39	19 24	0 34	12 21	1 35	23 25	0 11	16 30	1 48	24 11	14 31	5 42	5 15	15 4	4 39	5 9
F 21	12 47	18 12	4 37	21 20	2 33	27 7	3 56	15 49	1 40	19 23	0 34	12 20	1 35	23 25	0 11	16 29	1 48	24 10	14 31	5 40	5 14	15 5	4 36	5 9
S 22	13 7	18 30	5 2	21 15	2 26	27 12	3 57	15 40	1 41	19 22	0 34	12 18	1 35	23 25	0 11	16 29	1 48	24 10	14 31	5 39	5 13	15 6	4 34	5 9
S 23	13 28	17 59	5 14	21 6	2 17	27 16	3 57	15 30	1 42	19 21	0 34	12 17	1 35	23 25	0 11	16 28	1 48	24 10	14 30	5 38	5 11	15 7	4 32	5 10
M24	13 48	16 37	5 12	20 54	2 7	27 19	3 57	15 21	1 42	19 20	0 35	12 15	1 36	23 25	0 11	16 28	1 48	24 10	14 30	5 37	5 10	15 8	4 29	5 10
T 25	14 7	14 27	4 56	20 37	1 55	27 22	3 57	15 11	1 43	19 19	0 35	12 14	1 36	23 26	0 11	16 28	1 49	24 10	14 30	5 37	5 9	15 9	4 27	5 10
W26	14 27	11 31	4 24	20 16	1 41	27 24	3 57	15 1	1 44	19 18	0 35	12 12	1 36	23 26	0 11	16 27	1 49	24 10	14 29	5 37	5 8	15 10	4 24	5 11
T 27	14 46	7 56	3 38	19 51	1 26	27 26	3 57	14 51	1 45	19 18	0 35	12 11	1 36	23 26	0 11	16 27	1 49	24 10	14 29	5 38	5 6	15 11	4 22	5 11
F 28	15 6	3 48	2 38	19 21	1 9	27 27	3 56	14 42	1 46	19 17	0 35	12 10	1 36	23 26	0 11	16 26	1 49	24 10	14 29	5 38	5 5	15 12	4 20	5 12
S 29	15 25	0s40	1 26	18 48	0 51	27 27	3 56	14 32	1 47	19 16	0 36	12 8	1 37	23 26	0 11	16 26	1 49	24 9	14 29	5 39	5 4	15 13	4 17	5 12
S 30	15 43	5 15	0 7	18 11	0 31	27 27	3 55	14 22	1 48	19 15	0 36	12 7	1 37	23 27	0 11	16 25	1 49	24 9	14 28	5 39	5 3	15 14	4 15	5 12
M31	16s 2	9s37	1n14	17s30	0s11	27s27	3s54	14n13	1n49	19n15	0n36	12n 6	1n37	23s27	0s11	16n25	1s49	24s 9	14s28	5s39	5s 1	15n15	4n13	5s13

Julian Day Number = 2110322.5, Delta T = 19m41s
Ecliptic obliquity = 23°33'29, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°43'02, Lahiri = 10°50'02 Julian Calendar 1 Oct. 1065 == Greg. Calendar 7 Oct. 1065

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1065
geocentric

NOVEMBER 1065 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 4 0	14♏41'55	13♏ 2	16°R51	29♐44	27♌43	6♌52	2♍42	21♐19	21°R13	2°R15	14°R13	12♎36	22♉25	6♍53	T 1
W 2	3 7 57	15°42'38	28°19	15♏29	0♑31	28°13	6°55	2°46	21°22	21♉12	2♓15	14♎ 9	12°33	22°32	6°58	W 2
T 3	3 11 53	16°43'22	13♐30	14° 8	1°18	28°43	6°58	2°49	21°25	21°10	2°14	14° 5	12°30	22°38	7° 3	T 3
F 4	3 15 50	17°44'07	28°26	12°50	2° 3	29°13	7° 0	2°53	21°28	21° 8	2°14	13°59	12°26	22°45	7° 8	F 4
S 5	3 19 46	18°44'53	13♑ 0	11°39	2°48	29°43	7° 3	2°57	21°31	21° 7	2°14	13°55	12°23	22°52	7°13	S 5
S 6	3 23 43	19°45'40	27° 7	10°35	3°31	0♍13	7° 5	3° 0	21°35	21° 5	2°14	13°51	12°20	22°58	7°17	S 6
M 7	3 27 39	20°46'29	10♒46	9°41	4°14	0°43	7° 7	3° 4	21°38	21° 3	2°14	13°49	12°17	23° 5	7°22	M 7
T 8	3 31 36	21°47'18	23°57	8°58	4°55	1°12	7° 9	3° 7	21°41	21° 2	2°14	13°D49	12°14	23°12	7°26	T 8
W 9	3 35 32	22°48'08	6♓45	8°26	5°36	1°41	7°11	3°10	21°44	21° 0	2°14	13°49	12°10	23°18	7°30	W 9
T 10	3 39 29	23°48'59	19°13	8° 6	6°15	2°10	7°12	3°13	21°48	20°58	2°D14	13°51	12° 7	23°25	7°35	T 10
F 11	3 43 26	24°49'51	1♈25	7°D58	6°53	2°39	7°14	3°16	21°51	20°56	2°14	13°53	12° 4	23°32	7°39	F 11
S 12	3 47 22	25°50'44	13°27	8° 0	7°29	3° 8	7°15	3°19	21°54	20°55	2°14	13°R53	12° 1	23°39	7°43	S 12
S 13	3 51 19	26°51'38	25°21	8°12	8° 4	3°36	7°16	3°22	21°58	20°53	2°14	13°53	11°58	23°45	7°47	S 13
M14	3 55 15	27°52'33	7♉11	8°33	8°38	4° 4	7°17	3°24	22° 1	20°51	2°14	13°50	11°55	23°52	7°50	M14
T 15	3 59 12	28°53'29	19° 1	9° 3	9°10	4°32	7°17	3°27	22° 4	20°50	2°14	13°45	11°51	23°59	7°54	T 15
W16	4 3 8	29°54'26	0♊51	9°41	9°41	5° 0	7°18	3°29	22° 8	20°48	2°14	13°37	11°48	24° 5	7°58	W16
T 17	4 7 5	0♐55'24	12°43	10°25	10°10	5°28	7°R18	3°32	22°11	20°46	2°14	13°28	11°45	24°12	8° 1	T 17
F 18	4 11 1	1°56'23	24°40	11°16	10°38	5°55	7°18	3°34	22°14	20°45	2°15	13°19	11°42	24°19	8° 5	F 18
S 19	4 14 58	2°57'23	6♋43	12°11	11° 4	6°23	7°18	3°36	22°18	20°43	2°15	13° 9	11°39	24°25	8° 8	S 19
S 20	4 18 55	3°58'24	18°53	13°11	11°28	6°50	7°17	3°38	22°21	20°41	2°15	13° 0	11°36	24°32	8°11	S 20
M21	4 22 51	4°59'26	1♌12	14°15	11°50	7°16	7°17	3°40	22°25	20°40	2°15	12°53	11°32	24°39	8°14	M21
T 22	4 26 48	6° 0'29	13°44	15°23	12°10	7°43	7°16	3°42	22°28	20°38	2°16	12°48	11°29	24°45	8°17	T 22
W23	4 30 44	7° 1'33	26°31	16°33	12°28	8° 9	7°15	3°44	22°32	20°37	2°16	12°45	11°26	24°52	8°20	W23
T 24	4 34 41	8° 2'38	9♍37	17°46	12°45	8°35	7°14	3°45	22°35	20°35	2°16	12°D45	11°23	24°59	8°23	T 24
F 25	4 38 37	9° 3'44	23° 6	19° 2	12°59	9° 1	7°12	3°47	22°39	20°33	2°17	12°45	11°20	25° 5	8°25	F 25
S 26	4 42 34	10° 4'51	6♎59	20°20	13°11	9°26	7°11	3°48	22°42	20°32	2°17	12°R46	11°16	25°12	8°28	S 26
S 27	4 46 30	11° 5'59	21°17	21°39	13°21	9°52	7° 9	3°50	22°46	20°30	2°17	12°46	11°13	25°19	8°30	S 27
M28	4 50 27	12° 7'08	6♏ 0	23° 0	13°29	10°17	7° 7	3°51	22°50	20°29	2°18	12°44	11°10	25°25	8°33	M28
T 29	4 54 24	13° 8'18	21° 2	24°22	13°34	10°41	7° 5	3°52	22°53	20°27	2°18	12°39	11° 7	25°32	8°35	T 29
W30	4 58 20	14♐ 9'28	6♐15	25♏45	13♑37	11♍ 6	7♌ 2	3♍53	22♐57	20♉25	2♓19	12♎31	11♎ 4	25♉39	8♍37	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s20	13s26	2n31	16s48	0n 9	27s26	3s52	14n 3	1n50	19n14	0n36	12n 5	1n37	23s27	0s11	16n25	1s49	24s 9	14s28	5s38	5s 0	15n16	4n11	5s13
W 2	16 37	16 20	3 38	16 5	0 30	27 24	3 50	13 53	1 51	19 14	0 37	12 3	1 38	23 27	0 11	16 24	1 49	24 9	14 27	5 37	4 59	15 17	4 9	5 13
T 3	16 55	18 5	4 29	15 22	0 50	27 22	3 49	13 44	1 52	19 13	0 37	12 2	1 38	23 27	0 11	16 24	1 49	24 9	14 27	5 35	4 58	15 18	4 6	5 14
F 4	17 12	18 32	5 1	14 40	1 9	27 19	3 46	13 34	1 53	19 13	0 37	12 1	1 38	23 28	0 11	16 23	1 49	24 8	14 27	5 33	4 56	15 20	4 4	5 14
S 5	17 29	17 45	5 12	14 2	1 27	27 16	3 44	13 24	1 54	19 12	0 37	12 0	1 38	23 28	0 11	16 23	1 49	24 8	14 26	5 31	4 55	15 21	4 2	5 15
S 6	17 46	15 52	5 4	13 27	1 42	27 12	3 41	13 15	1 55	19 12	0 37	11 59	1 39	23 28	0 11	16 22	1 49	24 8	14 26	5 29	4 54	15 22	4 0	5 15
M 7	18 2	13 9	4 38	12 57	1 56	27 8	3 38	13 5	1 56	19 11	0 38	11 58	1 39	23 28	0 11	16 22	1 49	24 8	14 26	5 29	4 53	15 23	3 58	5 15
T 8	18 18	9 51	3 59	12 32	2 8	27 3	3 35	12 56	1 57	19 11	0 38	11 57	1 39	23 28	0 11	16 21	1 49	24 7	14 26	5 28	4 51	15 24	3 56	5 16
W 9	18 34	6 10	3 9	12 13	2 17	26 58	3 32	12 46	1 59	19 11	0 38	11 56	1 39	23 29	0 11	16 21	1 49	24 7	14 25	5 29	4 50	15 25	3 54	5 16
T 10	18 49	2 18	2 10	11 59	2 25	26 52	3 28	12 37	2 0	19 11	0 38	11 55	1 40	23 29	0 11	16 21	1 49	24 7	14 25	5 29	4 49	15 26	3 52	5 17
F 11	19 4	1n36	1 7	11 51	2 31	26 46	3 24	12 27	2 1	19 11	0 39	11 54	1 40	23 29	0 11	16 20	1 49	24 7	14 25	5 30	4 48	15 27	3 50	5 17
S 12	19 19	5 22	0 2	11 48	2 34	26 40	3 19	12 18	2 2	19 11	0 39	11 54	1 40	23 29	0 11	16 20	1 49	24 6	14 24	5 30	4 46	15 28	3 48	5 18
S 13	19 33	8 54	1s 2	11 50	2 37	26 33	3 15	12 8	2 3	19 11	0 39	11 53	1 40	23 29	0 11	16 19	1 48	24 6	14 24	5 30	4 45	15 29	3 47	5 18
M14	19 47	12 3	2 3	11 57	2 37	26 25	3 9	11 59	2 4	19 11	0 39	11 52	1 40	23 30	0 11	16 19	1 48	24 6	14 24	5 29	4 44	15 30	3 45	5 18
T 15	20 1	14 42	2 58	12 7	2 37	26 18	3 4	11 50	2 5	19 11	0 39	11 51	1 41	23 30	0 11	16 18	1 48	24 5	14 23	5 27	4 43	15 31	3 43	5 19
W16	20 14	16 44	3 46	12 20	2 35	26 10	2 58	11 41	2 6	19 11	0 40	11 51	1 41	23 30	0 11	16 18	1 48	24 5	14 23	5 24	4 41	15 32	3 41	5 19
T 17	20 27	18 4	4 24	12 37	2 32	26 1	2 52	11 31	2 7	19 11	0 40	11 50	1 41	23 30	0 11	16 18	1 48	24 5	14 23	5 21	4 40	15 33	3 40	5 20
F 18	20 39	18 36	4 51	12 56	2 29	25 53	2 45	11 22	2 8	19 11	0 40	11 49	1 41	23 30	0 11	16 17	1 48	24 4	14 22	5 17	4 39	15 34	3 38	5 20
S 19	20 51	18 19	5 5	13 17	2 24	25 44	2 38	11 13	2 9	19 11	0 40	11 49	1 42	23 31	0 11	16 17	1 48	24 4	14 22	5 13	4 38	15 35	3 36	5 21
S 20	21 3	17 11	5 5	13 40	2 19	25 34	2 31	11 4	2 11	19 12	0 41	11 48	1 42	23 31	0 11	16 16	1 48	24 3	14 22	5 9	4 36	15 35	3 35	5 21
M21	21 14	15 15	4 51	14 4	2 14	25 24	2 23	10 55	2 12	19 12	0 41	11 48	1 42	23 31	0 11	16 16	1 48	24 3	14 21	5 7	4 35	15 36	3 33	5 22
T 22	21 25	12 35	4 23	14 29	2 8	25 14	2 15	10 46	2 13	19 13	0 41	11 47	1 43	23 31	0 11	16 15	1 48	24 3	14 21	5 5	4 34	15 37	3 32	5 22
W23	21 35	9 15	3 42	14 56	2 2	25 4	2 7	10 37	2 14	19 13	0 41	11 47	1 43	23 31	0 11	16 15	1 48	24 2	14 21	5 4	4 33	15 38	3 30	5 22
T 24	21 45	5 24	2 48	15 23	1 55	24 54	1 58	10 29	2 15	19 14	0 42	11 47	1 43	23 32	0 11	16 15	1 48	24 2	14 21	5 3	4 31	15 39	3 29	5 23
F 25	21 55	1 10	1 44	15 50	1 48	24 43	1 48	10 20	2 16	19 14	0 42	11 46	1 43	23 32	0 11	16 14	1 48	24 1	14 20	5 4	4 30	15 40	3 27	5 23
S 26	22 4	3s15	0 31	16 18	1 41	24 32	1 38	10 11	2 18	19 15	0 42	11 46	1 44	23 32	0 11	16 14	1 48	24 1	14 20	5 4	4 29	15 41	3 26	5 24
S 27	22 13	7 38	0n46	16 45	1 34	24 20	1 28	10 3	2 19	19 16	0 42	11 46	1 44	23 32	0 11	16 13	1 48	24 1	14 20	5 4	4 28	15 42	3 24	5 24
M28	22 21	11 41	2 1	17 13	1 26	24 9	1 17	9 55	2 20	19 16	0 43	11 46	1 44	23 32	0 11	16 13	1 48	24 0	14 19	5 3	4 26	15 43	3 23	5 25
T 29	22 29	15 3	3 10	17 41	1 19	23 57	1 6	9 46	2 21	19 17	0 43	11 45	1 44	23 33	0 11	16 13	1 48	24 0	14 19	5 1	4 25	15 44	3 22	5 25
W30	22s37	17s26	4n 5	18s 8	1n11	23s45	0s54	9n38	2n23	19n18	0n43	11n45	1n45	23s33	0s11	16n12	1s48	23s59	14s19	4s58	4s24	15n45	3n21	5s26

Julian Day Number = 2110353.5, Delta T = 19m41s
Ecliptic obliquity = 23°33'28, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°43'06, Lahiri = 10°50'06 Julian Calendar 1 Nov. 1065 == Greg. Calendar 7 Nov. 1065

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1065
geocentric

DECEMBER 1065 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 2 17	15♐10'39	21♐30	27♏ 9	13°R37	11♍30	7°R 0	3♍54	23♐ 0	20°R24	2♓19	12°R22	11♎ 1	25♉45	8♍39	T 1
F 2	5 6 13	16°11'50	6♑35	28°34	13♑36	11°54	6♌57	3°55	23° 4	20♉22	2°20	12♎12	10°57	25°52	8°41	F 2
S 3	5 10 10	17°13'02	21°20	0♐ 0	13°31	12°18	6°54	3°55	23° 7	20°21	2°20	12° 2	10°54	25°59	8°42	S 3
S 4	5 14 6	18°14'14	5♒39	1°27	13°24	12°41	6°51	3°56	23°11	20°20	2°21	11°53	10°51	26° 6	8°44	S 4
M 5	5 18 3	19°15'25	19°28	2°54	13°15	13° 4	6°48	3°56	23°15	20°18	2°22	11°47	10°48	26°12	8°45	M 5
T 6	5 22 0	20°16'37	2♓47	4°22	13° 3	13°27	6°44	3°56	23°18	20°17	2°22	11°43	10°45	26°19	8°47	T 6
W 7	5 25 56	21°17'49	15°38	5°51	12°49	13°49	6°40	3°57	23°22	20°15	2°23	11°42	10°42	26°26	8°48	W 7
T 8	5 29 53	22°19'01	28° 6	7°19	12°32	14°11	6°36	3°R57	23°25	20°14	2°24	11°D42	10°38	26°32	8°49	T 8
F 9	5 33 49	23°20'12	10♈17	8°49	12°12	14°33	6°32	3°57	23°29	20°12	2°24	11°R42	10°35	26°39	8°50	F 9
S 10	5 37 46	24°21'24	22°15	10°19	11°51	14°54	6°28	3°57	23°33	20°11	2°25	11°42	10°32	26°46	8°51	S 10
S 11	5 41 42	25°22'35	4♉ 6	11°49	11°27	15°15	6°24	3°56	23°36	20°10	2°26	11°39	10°29	26°52	8°52	S 11
M12	5 45 39	26°23'46	15°53	13°19	11° 1	15°35	6°19	3°56	23°40	20° 8	2°26	11°35	10°26	26°59	8°53	M12
T 13	5 49 35	27°24'57	27°42	14°50	10°33	15°56	6°15	3°56	23°43	20° 7	2°27	11°27	10°22	27° 6	8°53	T 13
W14	5 53 32	28°26'08	9♊35	16°22	10° 3	16°16	6°10	3°55	23°47	20° 6	2°28	11°16	10°19	27°12	8°54	W14
T 15	5 57 29	29°27'19	21°33	17°54	9°32	16°35	6° 5	3°54	23°51	20° 5	2°29	11° 3	10°16	27°19	8°54	T 15
F 16	6 1 25	0♑28'30	3♋39	19°26	8°59	16°54	5°59	3°53	23°54	20° 3	2°30	10°48	10°13	27°26	8°54	F 16
S 17	6 5 22	1°29'40	15°53	20°58	8°24	17°13	5°54	3°53	23°58	20° 2	2°31	10°34	10°10	27°32	8°R54	S 17
S 18	6 9 18	2°30'51	28°16	22°31	7°49	17°31	5°48	3°52	24° 1	20° 1	2°32	10°20	10° 7	27°39	8°54	S 18
M19	6 13 15	3°32'01	10♌48	24° 5	7°13	17°49	5°43	3°50	24° 5	20° 0	2°32	10° 9	10° 3	27°46	8°54	M19
T 20	6 17 11	4°33'11	23°31	25°38	6°37	18° 7	5°37	3°49	24° 9	19°59	2°33	10° 1	10° 0	27°53	8°54	T 20
W21	6 21 8	5°34'21	6♍26	27°13	6° 0	18°24	5°31	3°48	24°12	19°58	2°34	9°56	9°57	27°59	8°54	W21
T 22	6 25 4	6°35'31	19°34	28°47	5°23	18°41	5°25	3°46	24°16	19°57	2°35	9°53	9°54	28° 6	8°53	T 22
F 23	6 29 1	7°36'41	2♎59	0♑22	4°46	18°57	5°19	3°45	24°19	19°56	2°36	9°52	9°51	28°13	8°53	F 23
S 24	6 32 58	8°37'51	16°42	1°58	4°10	19°12	5°12	3°43	24°23	19°55	2°37	9°52	9°48	28°19	8°52	S 24
S 25	6 36 54	9°39'01	0♏44	3°34	3°35	19°28	5° 6	3°42	24°26	19°54	2°38	9°51	9°44	28°26	8°51	S 25
M26	6 40 51	10°40'10	15° 7	5°10	3° 1	19°42	4°59	3°40	24°30	19°53	2°39	9°49	9°41	28°33	8°50	M26
T 27	6 44 47	11°41'20	29°48	6°47	2°27	19°57	4°52	3°38	24°33	19°52	2°41	9°43	9°38	28°39	8°49	T 27
W28	6 48 44	12°42'29	14♐41	8°24	1°56	20°10	4°45	3°36	24°37	19°51	2°42	9°34	9°35	28°46	8°48	W28
T 29	6 52 40	13°43'38	29°39	10° 2	1°26	20°24	4°38	3°34	24°40	19°50	2°43	9°24	9°32	28°53	8°47	T 29
F 30	6 56 37	14°44'46	14♑33	11°41	0°57	20°36	4°31	3°31	24°44	19°49	2°44	9°11	9°28	28°59	8°45	F 30
S 31	7 0 33	15♑45'53	29♑13	13♑20	0♑31	20♍49	4♌24	3♍29	24♐47	19♉48	2♓45	8♎59	9♎25	29♉ 6	8♍44	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s44	18s34	4n44	18s35	1n 4	23s33	0s42	9n30	2n24	19n19	0n43	11n45	1n45	23s33	0s11	16n12	1s48	23s59	14s18	4s55	4s23	15n46	3n20	5s26
F 2	22 50	18 22	5 2	19 2	0 56	23 21	0 30	9 22	2 25	19 20	0 43	11 45	1 45	23 33	0 11	16 12	1 48	23 58	14 18	4 51	4 21	15 47	3 18	5 27
S 3	22 56	16 55	5 0	19 28	0 48	23 9	0 17	9 14	2 26	19 21	0 44	11 45	1 45	23 33	0 11	16 11	1 48	23 58	14 18	4 47	4 20	15 48	3 17	5 27
S 4	23 2	14 27	4 38	19 53	0 41	22 56	0 3	9 6	2 28	19 22	0 44	11 45	1 46	23 34	0 11	16 11	1 48	23 57	14 17	4 43	4 19	15 49	3 16	5 28
M 5	23 7	11 14	4 1	20 18	0 33	22 43	0n10	8 59	2 29	19 23	0 44	11 45	1 46	23 34	0 11	16 11	1 48	23 57	14 17	4 41	4 18	15 50	3 15	5 28
T 6	23 12	7 33	3 12	20 42	0 26	22 30	0 25	8 51	2 30	19 24	0 44	11 46	1 46	23 34	0 11	16 10	1 48	23 56	14 17	4 40	4 16	15 51	3 14	5 29
W 7	23 16	3 38	2 14	21 5	0 18	22 17	0 39	8 43	2 32	19 25	0 45	11 46	1 46	23 34	0 11	16 10	1 48	23 56	14 17	4 39	4 15	15 52	3 13	5 29
T 8	23 20	0n20	1 12	21 28	0 11	22 4	0 54	8 36	2 33	19 26	0 45	11 46	1 47	23 34	0 11	16 9	1 48	23 55	14 16	4 39	4 14	15 53	3 13	5 30
F 9	23 23	4 12	0 8	21 49	0 3	21 51	1 9	8 29	2 34	19 27	0 45	11 46	1 47	23 35	0 11	16 9	1 48	23 55	14 16	4 39	4 13	15 54	3 12	5 30
S 10	23 26	7 50	0s56	22 10	0s 4	21 38	1 24	8 22	2 36	19 29	0 45	11 46	1 47	23 35	0 11	16 9	1 48	23 54	14 16	4 39	4 11	15 55	3 11	5 30
S 11	23 29	11 8	1 56	22 30	0 11	21 25	1 39	8 15	2 37	19 30	0 45	11 47	1 47	23 35	0 11	16 9	1 48	23 54	14 15	4 38	4 10	15 55	3 10	5 31
M12	23 31	13 57	2 51	22 48	0 18	21 11	1 55	8 8	2 38	19 31	0 46	11 47	1 48	23 35	0 11	16 8	1 48	23 53	14 15	4 36	4 9	15 56	3 10	5 31
T 13	23 32	16 12	3 38	23 6	0 25	20 58	2 11	8 2	2 40	19 33	0 46	11 48	1 48	23 35	0 11	16 8	1 48	23 53	14 15	4 33	4 8	15 57	3 9	5 32
W14	23 33	17 47	4 16	23 23	0 31	20 45	2 26	7 55	2 41	19 34	0 46	11 48	1 48	23 36	0 11	16 8	1 48	23 52	14 15	4 29	4 6	15 58	3 8	5 32
T 15	23 33	18 35	4 43	23 38	0 38	20 31	2 42	7 49	2 42	19 36	0 46	11 48	1 48	23 36	0 11	16 7	1 48	23 51	14 14	4 23	4 5	15 59	3 8	5 33
F 16	23 33	18 33	4 58	23 52	0 44	20 18	2 57	7 42	2 44	19 37	0 47	11 49	1 49	23 36	0 11	16 7	1 48	23 51	14 14	4 18	4 4	16 0	3 7	5 33
S 17	23 33	17 40	4 59	24 5	0 50	20 5	3 13	7 36	2 45	19 39	0 47	11 50	1 49	23 36	0 11	16 7	1 47	23 50	14 14	4 12	4 3	16 1	3 7	5 34
S 18	23 32	15 57	4 46	24 17	0 56	19 52	3 28	7 30	2 47	19 40	0 47	11 50	1 49	23 36	0 11	16 7	1 47	23 50	14 14	4 7	4 1	16 2	3 6	5 34
M19	23 31	13 27	4 19	24 28	1 2	19 39	3 43	7 25	2 48	19 42	0 47	11 51	1 49	23 36	0 11	16 6	1 47	23 49	14 13	4 2	4 0	16 3	3 6	5 35
T 20	23 29	10 18	3 39	24 37	1 8	19 27	3 57	7 19	2 50	19 44	0 47	11 51	1 50	23 37	0 11	16 6	1 47	23 48	14 13	3 59	3 59	16 4	3 6	5 35
W21	23 26	6 37	2 47	24 45	1 13	19 15	4 11	7 14	2 51	19 45	0 48	11 52	1 50	23 37	0 11	16 6	1 47	23 48	14 13	3 57	3 58	16 5	3 5	5 35
T 22	23 24	2 32	1 45	24 52	1 19	19 3	4 24	7 9	2 52	19 47	0 48	11 53	1 50	23 37	0 11	16 6	1 47	23 47	14 12	3 56	3 56	16 5	3 5	5 36
F 23	23 20	1s45	0 36	24 57	1 24	18 51	4 37	7 4	2 54	19 49	0 48	11 54	1 50	23 37	0 11	16 5	1 47	23 47	14 12	3 56	3 55	16 6	3 5	5 36
S 24	23 17	6 2	0n36	25 1	1 28	18 40	4 50	6 59	2 55	19 50	0 48	11 55	1 51	23 37	0 11	16 5	1 47	23 46	14 12	3 56	3 54	16 7	3 5	5 37
S 25	23 12	10 6	1 48	25 3	1 33	18 29	5 1	6 54	2 57	19 52	0 48	11 55	1 51	23 37	0 11	16 5	1 47	23 45	14 12	3 55	3 53	16 8	3 5	5 37
M26	23 8	13 40	2 55	25 4	1 37	18 19	5 12	6 50	2 58	19 54	0 49	11 56	1 51	23 38	0 11	16 5	1 47	23 45	14 12	3 54	3 51	16 9	3 5	5 38
T 27	23 2	16 27	3 51	25 4	1 41	18 9	5 23	6 45	3 0	19 56	0 49	11 57	1 51	23 38	0 11	16 4	1 47	23 44	14 11	3 52	3 50	16 10	3 5	5 38
W28	22 57	18 9	4 33	25 2	1 45	18 0	5 32	6 41	3 2	19 58	0 49	11 58	1 52	23 38	0 11	16 4	1 47	23 44	14 11	3 49	3 49	16 11	3 5	5 38
T 29	22 51	18 37	4 56	24 58	1 48	17 52	5 41	6 38	3 3	20 0	0 49	11 59	1 52	23 38	0 11	16 4	1 47	23 43	14 11	3 44	3 48	16 12	3 5	5 39
F 30	22 44	17 48	4 59	24 53	1 51	17 44	5 49	6 34	3 5	20 1	0 49	12 0	1 52	23 38	0 11	16 4	1 47	23 42	14 11	3 40	3 46	16 12	3 5	5 39
S 31	22s37	15s49	4n42	24s47	1s54	17s37	5n57	6n31	3n 6	20n 3	0n50	12n 1	1n52	23s38	0s11	16n 4	1s47	23s42	14s10	3s35	3s45	16n13	3n 5	5s40

Julian Day Number = 2110383.5, Delta T = 19m40s
Ecliptic obliquity = 23°33'28, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°43'10, Lahiri = 10°50'10 Julian Calendar 1 Dec. 1065 == Greg. Calendar 7 Dec. 1065

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1066
geocentric

JANUARY 1066 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 4 30	16♉47'00	13♒32	15♉ 0	0°R 7	21♍ 0	4°R17	3°R27	24♐51	19°R48	2♓46	8°R49	9♎22	29♉13	8°R42	S 1
M 2	7 8 27	17°48'05	27°24	16°40	29♐44	21°11	4♌10	3♍24	24°54	19♉47	2°47	8♎41	9°19	29°20	8♍40	M 2
T 3	7 12 23	18°49'10	10♓49	18°21	29°25	21°22	4° 2	3°21	24°57	19°46	2°49	8°35	9°16	29°26	8°38	T 3
W 4	7 16 20	19°50'14	23°46	20° 2	29° 7	21°32	3°55	3°19	25° 1	19°45	2°50	8°33	9°13	29°33	8°37	W 4
T 5	7 20 16	20°51'16	6♈19	21°44	28°52	21°41	3°47	3°16	25° 4	19°45	2°51	8°D32	9° 9	29°40	8°35	T 5
F 6	7 24 13	21°52'17	18°33	23°27	28°39	21°50	3°39	3°13	25° 7	19°44	2°52	8°R32	9° 6	29°46	8°32	F 6
S 7	7 28 9	22°53'18	0♉33	25°10	28°29	21°58	3°32	3°10	25°11	19°44	2°54	8°32	9° 3	29°53	8°30	S 7
S 8	7 32 6	23°54'16	12°24	26°54	28°21	22° 5	3°24	3° 7	25°14	19°43	2°55	8°30	9° 0	29°59	8°28	S 8
M 9	7 36 2	24°55'14	24°13	28°38	28°16	22°12	3°16	3° 4	25°17	19°43	2°56	8°26	8°57	0♊ 6	8°25	M 9
T 10	7 39 59	25°56'11	6♊ 3	0♒23	28°13	22°18	3° 8	3° 0	25°20	19°42	2°57	8°20	8°54	0°13	8°23	T 10
W11	7 43 56	26°57'06	17°59	2° 9	28°D13	22°24	3° 0	2°57	25°24	19°42	2°59	8°10	8°50	0°20	8°20	W11
T 12	7 47 52	27°58'00	0♋ 4	3°55	28°15	22°29	2°52	2°54	25°27	19°41	3° 0	7°59	8°47	0°26	8°17	T 12
F 13	7 51 49	28°58'53	12°20	5°41	28°20	22°33	2°45	2°50	25°30	19°41	3° 1	7°46	8°44	0°33	8°15	F 13
S 14	7 55 45	29°59'44	24°47	7°28	28°26	22°36	2°37	2°47	25°33	19°40	3° 3	7°33	8°41	0°40	8°12	S 14
S 15	7 59 42	1♒ 0'35	7♌26	9°15	28°35	22°39	2°29	2°43	25°36	19°40	3° 4	7°21	8°38	0°47	8° 9	S 15
M16	8 3 38	2° 1'24	20°17	11° 2	28°47	22°41	2°21	2°39	25°39	19°40	3° 6	7°11	8°34	0°53	8° 6	M16
T 17	8 7 35	3° 2'12	3♍20	12°49	29° 0	22°43	2°13	2°36	25°42	19°40	3° 7	7° 4	8°31	1° 0	8° 2	T 17
W18	8 11 31	4° 2'58	16°33	14°36	29°16	22°R43	2° 5	2°32	25°45	19°39	3° 8	6°59	8°28	1° 7	7°59	W18
T 19	8 15 28	5° 3'44	29°57	16°23	29°33	22°43	1°57	2°28	25°48	19°39	3°10	6°57	8°25	1°13	7°56	T 19
F 20	8 19 25	6° 4'28	13♎31	18° 9	29°53	22°42	1°49	2°24	25°51	19°39	3°11	6°D57	8°22	1°20	7°52	F 20
S 21	8 23 21	7° 5'12	27°17	19°54	0♉15	22°41	1°41	2°20	25°54	19°39	3°13	6°58	8°19	1°27	7°49	S 21
S 22	8 27 18	8° 5'54	11♏15	21°38	0°38	22°39	1°33	2°16	25°57	19°39	3°14	6°R58	8°15	1°33	7°45	S 22
M23	8 31 14	9° 6'35	25°25	23°21	1° 3	22°35	1°25	2°11	26° 0	19°39	3°16	6°57	8°12	1°40	7°41	M23
T 24	8 35 11	10° 7'16	9♐45	25° 2	1°30	22°32	1°17	2° 7	26° 3	19°D39	3°17	6°53	8° 9	1°47	7°38	T 24
W25	8 39 7	11° 7'55	24°13	26°41	1°59	22°27	1° 9	2° 3	26° 6	19°39	3°19	6°48	8° 6	1°53	7°34	W25
T 26	8 43 4	12° 8'32	8♑44	28°16	2°29	22°22	1° 2	1°59	26° 9	19°39	3°20	6°40	8° 3	2° 0	7°30	T 26
F 27	8 47 0	13° 9'09	23°11	29°48	3° 0	22°15	0°54	1°54	26°11	19°39	3°22	6°31	8° 0	2° 7	7°26	F 27
S 28	8 50 57	14° 9'44	7♒29	1♓17	3°34	22° 8	0°46	1°50	26°14	19°39	3°23	6°22	7°56	2°14	7°22	S 28
S 29	8 54 54	15°10'17	21°32	2°40	4° 8	22° 0	0°39	1°45	26°17	19°39	3°25	6°14	7°53	2°20	7°18	S 29
M30	8 58 50	16°10'49	5♓14	3°59	4°44	21°52	0°31	1°41	26°19	19°39	3°26	6° 8	7°50	2°27	7°14	M30
T 31	9 2 47	17♒11'19	18♓33	5♓11	5♉21	21♍42	0♌24	1♍36	26♐22	19♉40	3♓28	6♎ 4	7♎47	2♊34	7♍10	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s30	12s53	4n 8	24s39	1s57	17s30	6n 3	6n27	3n 8	20n 5	0n50	12n 3	1n53	23s38	0s11	16n 4	1s47	23s41	14s10	3s31	3s44	16n14	3n 6	5s40
M 2	22 22	9 19	3 19	24 29	1 59	17 24	6 9	6 24	3 9	20 7	0 50	12 4	1 53	23 39	0 11	16 3	1 47	23 40	14 10	3 27	3 43	16 15	3 6	5 40
T 3	22 14	5 22	2 21	24 17	2 1	17 19	6 14	6 22	3 11	20 9	0 50	12 5	1 53	23 39	0 11	16 3	1 47	23 40	14 10	3 25	3 41	16 16	3 6	5 41
W 4	22 5	1 18	1 17	24 4	2 2	17 15	6 19	6 19	3 12	20 11	0 50	12 6	1 53	23 39	0 11	16 3	1 47	23 39	14 10	3 24	3 40	16 17	3 7	5 41
T 5	21 56	2n42	0 12	23 49	2 3	17 11	6 22	6 17	3 14	20 13	0 50	12 7	1 54	23 39	0 11	16 3	1 46	23 39	14 9	3 24	3 39	16 18	3 7	5 41
F 6	21 46	6 29	0s53	23 32	2 4	17 8	6 25	6 15	3 16	20 15	0 51	12 9	1 54	23 39	0 11	16 3	1 46	23 38	14 9	3 24	3 38	16 18	3 7	5 42
S 7	21 36	9 56	1 54	23 14	2 4	17 5	6 28	6 13	3 17	20 17	0 51	12 10	1 54	23 39	0 11	16 3	1 46	23 37	14 9	3 24	3 36	16 19	3 8	5 42
S 8	21 26	12 57	2 49	22 54	2 4	17 3	6 30	6 12	3 19	20 19	0 51	12 11	1 54	23 39	0 11	16 3	1 46	23 37	14 9	3 23	3 35	16 20	3 9	5 43
M 9	21 15	15 24	3 37	22 32	2 3	17 2	6 31	6 10	3 20	20 21	0 51	12 13	1 54	23 40	0 11	16 3	1 46	23 36	14 9	3 22	3 34	16 21	3 9	5 43
T 10	21 4	17 13	4 16	22 9	2 2	17 1	6 31	6 9	3 22	20 23	0 51	12 14	1 55	23 40	0 11	16 3	1 46	23 35	14 8	3 19	3 33	16 22	3 10	5 43
W11	20 52	18 18	4 43	21 44	2 0	17 1	6 31	6 9	3 23	20 25	0 51	12 15	1 55	23 40	0 11	16 3	1 46	23 35	14 8	3 15	3 31	16 23	3 10	5 43
T 12	20 40	18 35	4 59	21 17	1 58	17 2	6 31	6 8	3 25	20 27	0 51	12 17	1 55	23 40	0 11	16 3	1 46	23 34	14 8	3 11	3 30	16 24	3 11	5 44
F 13	20 28	18 0	5 1	20 48	1 55	17 3	6 30	6 8	3 27	20 29	0 52	12 18	1 55	23 40	0 11	16 2	1 46	23 33	14 8	3 6	3 29	16 24	3 12	5 44
S 14	20 15	16 33	4 48	20 18	1 52	17 4	6 29	6 8	3 28	20 31	0 52	12 20	1 55	23 40	0 11	16 2	1 46	23 33	14 8	3 1	3 27	16 25	3 13	5 44
S 15	20 2	14 17	4 22	19 46	1 48	17 6	6 27	6 8	3 30	20 33	0 52	12 21	1 56	23 40	0 11	16 2	1 46	23 32	14 8	2 56	3 26	16 26	3 14	5 45
M16	19 48	11 17	3 41	19 12	1 43	17 8	6 25	6 9	3 31	20 35	0 52	12 23	1 56	23 40	0 11	16 2	1 46	23 31	14 7	2 52	3 25	16 27	3 15	5 45
T 17	19 35	7 43	2 49	18 37	1 38	17 11	6 23	6 10	3 33	20 37	0 52	12 24	1 56	23 41	0 11	16 2	1 46	23 31	14 7	2 49	3 24	16 28	3 16	5 45
W18	19 20	3 42	1 47	18 0	1 32	17 14	6 20	6 11	3 34	20 39	0 52	12 26	1 56	23 41	0 11	16 2	1 46	23 30	14 7	2 47	3 22	16 29	3 17	5 45
T 19	19 6	0s33	0 37	17 22	1 26	17 17	6 17	6 12	3 36	20 40	0 52	12 27	1 56	23 41	0 11	16 2	1 46	23 29	14 7	2 46	3 21	16 29	3 18	5 46
F 20	18 51	4 49	0n35	16 42	1 18	17 20	6 13	6 14	3 38	20 42	0 52	12 29	1 57	23 41	0 11	16 2	1 46	23 29	14 7	2 46	3 20	16 30	3 19	5 46
S 21	18 36	8 54	1 47	16 2	1 10	17 24	6 10	6 16	3 39	20 44	0 53	12 31	1 57	23 41	0 11	16 2	1 45	23 28	14 7	2 47	3 19	16 31	3 20	5 46
S 22	18 20	12 33	2 53	15 20	1 2	17 28	6 6	6 18	3 41	20 46	0 53	12 32	1 57	23 41	0 11	16 2	1 45	23 27	14 7	2 47	3 17	16 32	3 21	5 46
M23	18 4	15 30	3 49	14 37	0 52	17 32	6 1	6 21	3 42	20 48	0 53	12 34	1 57	23 41	0 11	16 3	1 45	23 27	14 7	2 46	3 16	16 33	3 22	5 46
T 24	17 48	17 32	4 32	13 54	0 42	17 36	5 57	6 24	3 43	20 50	0 53	12 36	1 57	23 41	0 11	16 3	1 45	23 26	14 6	2 45	3 15	16 33	3 23	5 47
W25	17 31	18 28	4 58	13 10	0 31	17 40	5 52	6 27	3 45	20 52	0 53	12 37	1 57	23 41	0 11	16 3	1 45	23 25	14 6	2 43	3 14	16 34	3 25	5 47
T 26	17 14	18 11	5 5	12 26	0 19	17 45	5 48	6 30	3 46	20 53	0 53	12 39	1 58	23 41	0 11	16 3	1 45	23 25	14 6	2 39	3 12	16 35	3 26	5 47
F 27	16 57	16 45	4 53	11 42	0 7	17 49	5 43	6 34	3 48	20 55	0 53	12 41	1 58	23 42	0 11	16 3	1 45	23 24	14 6	2 36	3 11	16 36	3 27	5 47
S 28	16 40	14 16	4 22	10 58	0n 6	17 53	5 37	6 38	3 49	20 57	0 53	12 42	1 58	23 42	0 11	16 3	1 45	23 23	14 6	2 32	3 10	16 37	3 29	5 47
S 29	16 22	10 59	3 36	10 16	0 20	17 58	5 32	6 42	3 50	20 59	0 53	12 44	1 58	23 42	0 11	16 3	1 45	23 23	14 6	2 29	3 9	16 37	3 30	5 47
M30	16 4	7 11	2 38	9 34	0 34	18 2	5 27	6 47	3 51	21 0	0 53	12 46	1 58	23 42	0 11	16 3	1 45	23 22	14 6	2 27	3 7	16 38	3 31	5 47
T 31	15s46	3s 8	1n33	8s54	0n49	18s 6	5n21	6n52	3n53	21n 2	0n53	12n48	1n58	23s42	0s12	16n 3	1s45	23s21	14s 6	2s25	3s 6	16n39	3n33	5s47

Julian Day Number = 2110414.5, Delta T = 19m40s
Ecliptic obliquity = 23°33'28, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°43'14, Lahiri = 10°50'15 Julian Calendar 1 Jan. 1066 == Greg. Calendar 7 Jan. 1066

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1066
geocentric

FEBRUARY 1066 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 6 43	18♒11'47	1♈29	6♓17	5♉59	21°R32	0°R17	1°R32	26♐25	19♉40	3♓29	6°D 2	7♎44	2♊40	7°R 5	W 1
T 2	9 10 40	19°12'13	14° 5	7°15	6°39	21♍21	0♌ 9	1♍27	26°27	19°40	3°31	6♎ 3	7°40	2°47	7♍ 1	T 2
F 3	9 14 36	20°12'37	26°21	8° 6	7°20	21°10	0° 2	1°23	26°30	19°41	3°32	6° 4	7°37	2°54	6°57	F 3
S 4	9 18 33	21°12'59	8♉25	8°48	8° 1	20°57	29♋55	1°18	26°32	19°41	3°34	6° 5	7°34	3° 0	6°52	S 4
S 5	9 22 29	22°13'20	20°19	9°21	8°44	20°44	29°48	1°13	26°34	19°41	3°35	6°R 6	7°31	3° 7	6°48	S 5
M 6	9 26 26	23°13'38	2♊10	9°45	9°28	20°30	29°42	1° 9	26°37	19°42	3°37	6° 6	7°28	3°14	6°44	M 6
T 7	9 30 23	24°13'54	14° 2	9°59	10°13	20°15	29°35	1° 4	26°39	19°42	3°39	6° 3	7°25	3°21	6°39	T 7
W 8	9 34 19	25°14'08	26° 0	10°R 4	10°59	20° 0	29°28	0°59	26°41	19°43	3°40	5°59	7°21	3°27	6°35	W 8
T 9	9 38 16	26°14'21	8♋ 9	9°59	11°45	19°44	29°22	0°54	26°44	19°43	3°42	5°54	7°18	3°34	6°30	T 9
F 10	9 42 12	27°14'31	20°31	9°44	12°33	19°27	29°15	0°50	26°46	19°44	3°43	5°47	7°15	3°41	6°25	F 10
S 11	9 46 9	28°14'39	3♌ 8	9°21	13°21	19°10	29° 9	0°45	26°48	19°45	3°45	5°40	7°12	3°47	6°21	S 11
S 12	9 50 5	29°14'45	16° 2	8°49	14°10	18°52	29° 3	0°40	26°50	19°45	3°47	5°34	7° 9	3°54	6°16	S 12
M13	9 54 2	0♓14'49	29°12	8° 9	15° 0	18°33	28°57	0°35	26°52	19°46	3°48	5°28	7° 5	4° 1	6°11	M13
T 14	9 57 58	1°14'51	12♍38	7°23	15°51	18°14	28°52	0°31	26°54	19°47	3°50	5°25	7° 2	4° 7	6° 7	T 14
W15	10 1 55	2°14'51	26°16	6°32	16°42	17°54	28°46	0°26	26°56	19°47	3°51	5°23	6°59	4°14	6° 2	W15
T 16	10 5 52	3°14'50	10♎ 5	5°36	17°34	17°34	28°40	0°21	26°58	19°48	3°53	5°D22	6°56	4°21	5°57	T 16
F 17	10 9 48	4°14'46	24° 3	4°38	18°27	17°14	28°35	0°16	27° 0	19°49	3°54	5°23	6°53	4°28	5°53	F 17
S 18	10 13 45	5°14'41	8♏ 6	3°38	19°20	16°52	28°30	0°11	27° 2	19°50	3°56	5°25	6°50	4°34	5°48	S 18
S 19	10 17 41	6°14'35	22°14	2°39	20°14	16°31	28°25	0° 7	27° 4	19°51	3°58	5°26	6°46	4°41	5°43	S 19
M20	10 21 38	7°14'26	6♐24	1°41	21° 9	16° 9	28°20	0° 2	27° 6	19°51	3°59	5°R27	6°43	4°48	5°38	M20
T 21	10 25 34	8°14'16	20°35	0°45	22° 4	15°46	28°15	29♑57	27° 7	19°52	4° 1	5°26	6°40	4°54	5°34	T 21
W22	10 29 31	9°14'05	4♉45	29♒52	23° 0	15°24	28°11	29°53	27° 9	19°53	4° 2	5°25	6°37	5° 1	5°29	W22
T 23	10 33 27	10°13'51	18°50	29° 5	23°56	15° 1	28° 6	29°48	27°11	19°54	4° 4	5°22	6°34	5° 8	5°24	T 23
F 24	10 37 24	11°13'36	2♒49	28°22	24°52	14°38	28° 2	29°43	27°12	19°55	4° 6	5°18	6°31	5°14	5°20	F 24
S 25	10 41 21	12°13'19	16°37	27°45	25°50	14°15	27°58	29°39	27°14	19°56	4° 7	5°15	6°27	5°21	5°15	S 25
S 26	10 45 17	13°13'00	0♓13	27°13	26°47	13°51	27°54	29°34	27°15	19°58	4° 9	5°12	6°24	5°28	5°10	S 26
M27	10 49 14	14°12'39	13°33	26°48	27°45	13°28	27°50	29°30	27°17	19°59	4°10	5° 9	6°21	5°35	5° 6	M27
T 28	10 53 10	15♓12'16	26♓37	26♒29	28♉44	13♍ 4	27♋47	29♑25	27♐18	20♉ 0	4♓12	5♎ 8	6♎18	5♊41	5♍ 1	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	15s27	0n58	0n25	8s15	1n 4	18s10	5n15	6n57	3n54	21n 4	0n53	12n49	1n58	23s42	0s12	16n 3	1s45	23s21	14s 6	2s25	3s 5	16n40	3n34	5s47
T 2	15 8	4 55	0s43	7 40	1 19	18 14	5 10	7 2	3 55	21 5	0 53	12 51	1 59	23 42	0 12	16 4	1 45	23 20	14 6	2 25	3 4	16 40	3 36	5 48
F 3	14 49	8 33	1 48	7 6	1 35	18 18	5 4	7 8	3 56	21 7	0 53	12 53	1 59	23 42	0 12	16 4	1 45	23 20	14 6	2 25	3 2	16 41	3 37	5 48
S 4	14 30	11 45	2 46	6 36	1 50	18 22	4 58	7 14	3 57	21 8	0 54	12 55	1 59	23 42	0 12	16 4	1 45	23 19	14 6	2 26	3 1	16 42	3 39	5 48
S 5	14 10	14 26	3 37	6 10	2 6	18 25	4 52	7 20	3 58	21 10	0 54	12 57	1 59	23 42	0 12	16 4	1 45	23 18	14 6	2 26	3 0	16 43	3 41	5 48
M 6	13 51	16 29	4 18	5 47	2 21	18 28	4 46	7 26	3 59	21 11	0 54	12 58	1 59	23 42	0 12	16 4	1 44	23 18	14 6	2 26	2 59	16 44	3 42	5 48
T 7	13 31	17 50	4 47	5 28	2 35	18 31	4 39	7 33	4 0	21 13	0 54	13 0	1 59	23 43	0 12	16 4	1 44	23 17	14 6	2 25	2 57	16 44	3 44	5 48
W 8	13 10	18 25	5 5	5 14	2 48	18 34	4 33	7 40	4 1	21 14	0 54	13 2	1 59	23 43	0 12	16 5	1 44	23 16	14 6	2 23	2 56	16 45	3 46	5 48
T 9	12 50	18 9	5 10	5 4	3 1	18 36	4 27	7 47	4 1	21 16	0 54	13 4	1 59	23 43	0 12	16 5	1 44	23 16	14 6	2 21	2 55	16 46	3 47	5 48
F 10	12 29	17 3	5 0	4 59	3 12	18 38	4 21	7 54	4 2	21 17	0 54	13 6	1 59	23 43	0 12	16 5	1 44	23 15	14 6	2 18	2 53	16 47	3 49	5 47
S 11	12 9	15 5	4 35	4 59	3 22	18 40	4 14	8 1	4 2	21 18	0 54	13 7	1 59	23 43	0 12	16 5	1 44	23 15	14 5	2 16	2 52	16 47	3 51	5 47
S 12	11 48	12 21	3 57	5 3	3 31	18 42	4 8	8 9	4 3	21 20	0 54	13 9	2 0	23 43	0 12	16 5	1 44	23 14	14 5	2 13	2 51	16 48	3 52	5 47
M13	11 26	8 56	3 4	5 12	3 37	18 43	4 1	8 17	4 3	21 21	0 54	13 11	2 0	23 43	0 12	16 6	1 44	23 13	14 5	2 11	2 50	16 49	3 54	5 47
T 14	11 5	5 0	2 1	5 25	3 42	18 43	3 55	8 24	4 4	21 22	0 54	13 13	2 0	23 43	0 12	16 6	1 44	23 13	14 5	2 10	2 48	16 50	3 56	5 47
W15	10 44	0 44	0 50	5 41	3 44	18 44	3 49	8 32	4 4	21 23	0 54	13 14	2 0	23 43	0 12	16 6	1 44	23 12	14 6	2 9	2 47	16 50	3 58	5 47
T 16	10 22	3s37	0n26	6 1	3 45	18 44	3 42	8 41	4 4	21 24	0 54	13 16	2 0	23 43	0 12	16 7	1 44	23 12	14 6	2 9	2 46	16 51	4 0	5 47
F 17	10 0	7 49	1 40	6 24	3 43	18 43	3 36	8 49	4 4	21 25	0 54	13 18	2 0	23 43	0 12	16 7	1 44	23 11	14 6	2 9	2 45	16 52	4 2	5 47
S 18	9 38	11 36	2 50	6 49	3 39	18 42	3 29	8 57	4 4	21 27	0 54	13 20	2 0	23 43	0 12	16 7	1 44	23 10	14 6	2 10	2 43	16 53	4 3	5 47
S 19	9 16	14 44	3 49	7 15	3 34	18 41	3 23	9 5	4 4	21 28	0 54	13 21	2 0	23 43	0 12	16 7	1 44	23 10	14 6	2 10	2 42	16 53	4 5	5 46
M20	8 54	16 59	4 34	7 43	3 26	18 39	3 16	9 14	4 4	21 29	0 54	13 23	2 0	23 43	0 12	16 8	1 44	23 9	14 6	2 10	2 41	16 54	4 7	5 46
T 21	8 31	18 11	5 3	8 11	3 17	18 37	3 10	9 22	4 3	21 29	0 54	13 25	2 0	23 43	0 12	16 8	1 44	23 9	14 6	2 10	2 40	16 55	4 9	5 46
W22	8 9	18 15	5 14	8 39	3 7	18 35	3 3	9 31	4 3	21 30	0 54	13 27	2 0	23 44	0 12	16 8	1 43	23 8	14 6	2 10	2 38	16 56	4 11	5 46
T 23	7 46	17 11	5 5	9 7	2 55	18 32	2 57	9 39	4 3	21 31	0 54	13 28	2 0	23 44	0 12	16 9	1 43	23 8	14 6	2 8	2 37	16 56	4 13	5 45
F 24	7 23	15 6	4 39	9 34	2 42	18 28	2 50	9 48	4 2	21 32	0 54	13 30	2 0	23 44	0 12	16 9	1 43	23 7	14 6	2 7	2 36	16 57	4 15	5 45
S 25	7 1	12 11	3 56	9 59	2 29	18 24	2 44	9 56	4 1	21 33	0 54	13 32	2 0	23 44	0 12	16 9	1 43	23 7	14 6	2 6	2 35	16 58	4 17	5 45
S 26	6 38	8 38	3 1	10 23	2 15	18 20	2 37	10 4	4 0	21 34	0 54	13 33	2 0	23 44	0 12	16 10	1 43	23 6	14 6	2 4	2 33	16 58	4 19	5 45
M27	6 15	4 43	1 56	10 46	2 0	18 15	2 31	10 13	3 59	21 34	0 54	13 35	2 0	23 44	0 12	16 10	1 43	23 6	14 6	2 3	2 32	16 59	4 21	5 44
T 28	5s51	0s38	0n47	11s 6	1n45	18s 9	2n25	10n21	3n58	21n35	0n54	13n37	2n 0	23s44	0s12	16n10	1s43	23s 5	14s 6	2s 3	2s31	17n 0	4n23	5s44

Julian Day Number = 2110445.5, Delta T = 19m40s
Ecliptic obliquity = 23°33'28, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°43'18, Lahiri = 10°50'19 Julian Calendar 1 Feb. 1066 == Greg. Calendar 7 Feb. 1066

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1066
geocentric

MARCH 1066 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 57 7	16♓11'50	9♈23	26°R16	29♉43	12°R41	27°R44	29°R21	27♐20	20♉ 1	4♓13	5°D 8	6♎15	5♊48	4°R56	W 1
T 2	11 1 3	17°11'23	21°53	26♒10	0♒42	12♍17	27♋40	29♌16	27°21	20° 2	4°15	5♎ 9	6°11	5°55	4♍52	T 2
F 3	11 5 0	18°10'53	4♉ 8	26°D 9	1°42	11°54	27°38	29°12	27°22	20° 3	4°17	5°10	6° 8	6° 1	4°47	F 3
S 4	11 8 56	19°10'21	16°12	26°14	2°42	11°31	27°35	29° 7	27°23	20° 5	4°18	5°11	6° 5	6° 8	4°43	S 4
S 5	11 12 53	20° 9'47	28° 7	26°25	3°42	11° 8	27°32	29° 3	27°24	20° 6	4°20	5°13	6° 2	6°15	4°38	S 5
M 6	11 16 49	21° 9'11	9♊59	26°41	4°43	10°45	27°30	28°59	27°26	20° 7	4°21	5°14	5°59	6°21	4°34	M 6
T 7	11 20 46	22° 8'32	21°52	27° 2	5°44	10°22	27°28	28°55	27°27	20° 9	4°23	5°R14	5°56	6°28	4°30	T 7
W 8	11 24 43	23° 7'51	3♋50	27°27	6°45	10° 0	27°26	28°50	27°28	20°10	4°24	5°14	5°52	6°35	4°25	W 8
T 9	11 28 39	24° 7'07	15°59	27°58	7°47	9°38	27°24	28°46	27°28	20°11	4°26	5°13	5°49	6°42	4°21	T 9
F 10	11 32 36	25° 6'21	28°22	28°32	8°49	9°17	27°22	28°42	27°29	20°13	4°27	5°12	5°46	6°48	4°17	F 10
S 11	11 36 32	26° 5'33	11♌ 4	29°11	9°51	8°56	27°21	28°38	27°30	20°14	4°29	5°10	5°43	6°55	4°12	S 11
S 12	11 40 29	27° 4'42	24° 5	29°53	10°53	8°36	27°19	28°34	27°31	20°16	4°30	5° 9	5°40	7° 2	4° 8	S 12
M13	11 44 25	28° 3'50	7♍28	0♓39	11°56	8°16	27°18	28°31	27°32	20°17	4°32	5° 8	5°37	7° 8	4° 4	M13
T 14	11 48 22	29° 2'55	21°12	1°29	12°59	7°56	27°17	28°27	27°32	20°19	4°33	5° 8	5°33	7°15	4° 0	T 14
W15	11 52 18	0♈ 1'57	5♎13	2°22	14° 3	7°37	27°17	28°23	27°33	20°20	4°35	5°D 8	5°30	7°22	3°56	W15
T 16	11 56 15	1° 0'58	19°30	3°17	15° 6	7°19	27°16	28°19	27°34	20°22	4°36	5° 8	5°27	7°29	3°52	T 16
F 17	12 0 12	1°59'57	3♏56	4°16	16°10	7° 1	27°16	28°16	27°34	20°24	4°38	5° 8	5°24	7°35	3°49	F 17
S 18	12 4 8	2°58'54	18°26	5°18	17°14	6°44	27°D16	28°12	27°35	20°25	4°39	5° 8	5°21	7°42	3°45	S 18
S 19	12 8 5	3°57'49	2♐56	6°22	18°18	6°28	27°16	28° 9	27°35	20°27	4°40	5° 9	5°17	7°49	3°41	S 19
M20	12 12 1	4°56'42	17°20	7°28	19°23	6°12	27°16	28° 6	27°36	20°29	4°42	5°R 9	5°14	7°55	3°38	M20
T 21	12 15 58	5°55'34	1♑35	8°37	20°28	5°57	27°16	28° 2	27°36	20°30	4°43	5°D 9	5°11	8° 2	3°34	T 21
W22	12 19 54	6°54'24	15°39	9°49	21°32	5°43	27°17	27°59	27°36	20°32	4°45	5° 9	5° 8	8° 9	3°31	W22
T 23	12 23 51	7°53'12	29°30	11° 2	22°38	5°30	27°18	27°56	27°36	20°34	4°46	5° 9	5° 5	8°15	3°27	T 23
F 24	12 27 47	8°51'59	13♒ 7	12°18	23°43	5°17	27°19	27°53	27°37	20°35	4°47	5° 9	5° 2	8°22	3°24	F 24
S 25	12 31 44	9°50'43	26°30	13°36	24°48	5° 5	27°20	27°50	27°37	20°37	4°49	5° 9	4°58	8°29	3°21	S 25
S 26	12 35 40	10°49'26	9♓39	14°56	25°54	4°53	27°21	27°47	27°37	20°39	4°50	5°10	4°55	8°36	3°17	S 26
M27	12 39 37	11°48'07	22°35	16°17	27° 0	4°43	27°23	27°44	27°R37	20°41	4°51	5°10	4°52	8°42	3°14	M27
T 28	12 43 34	12°46'46	5♈18	17°41	28° 6	4°33	27°25	27°42	27°37	20°43	4°53	5°R11	4°49	8°49	3°11	T 28
W29	12 47 30	13°45'23	17°48	19° 7	29°12	4°24	27°27	27°39	27°37	20°45	4°54	5°10	4°46	8°56	3° 9	W29
T 30	12 51 27	14°43'58	0♉ 7	20°34	0♓18	4°16	27°29	27°37	27°36	20°46	4°55	5°10	4°42	9° 2	3° 6	T 30
F 31	12 55 23	15♈42'31	12♉15	22♓ 3	1♓25	4♍ 9	27♋31	27♌34	27♐36	20♉48	4♓57	5♎ 8	4♎39	9♊ 9	3♍ 3	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸		☊		⚷		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
W 1	5s28	3n23	0s23	11s24	1n31	18s 3	2n18	10n29	3n57	21n36	0n54	13n38	2n 0	23s44	0s12	16n11	1s43	23s 5	14s 6	2s 3		2s29		17n 0		4n25	5s44
T 2	5 5	7 9	1 31	11 40	1 16	17 57	2 12	10 37	3 56	21 36	0 54	13 40	2 0	23 44	0 12	16 11	1 43	23 4	14 6	2 3		2 28		17 1		4 27	5 43
F 3	4 42	10 33	2 34	11 54	1 1	17 50	2 6	10 45	3 55	21 37	0 54	13 41	2 0	23 44	0 12	16 11	1 43	23 4	14 6	2 4		2 27		17 2		4 29	5 43
S 4	4 18	13 27	3 28	12 6	0 47	17 43	2 0	10 52	3 53	21 37	0 54	13 43	2 0	23 44	0 12	16 12	1 43	23 3	14 7	2 4		2 26		17 3		4 31	5 43
S 5	3 55	15 44	4 13	12 16	0 33	17 35	1 54	11 0	3 52	21 38	0 54	13 44	2 0	23 44	0 12	16 12	1 43	23 3	14 7	2 5		2 24		17 3		4 33	5 42
M 6	3 31	17 20	4 47	12 23	0 19	17 26	1 48	11 7	3 50	21 38	0 53	13 46	2 0	23 44	0 12	16 13	1 43	23 2	14 7	2 5		2 23		17 4		4 35	5 42
T 7	3 8	18 11	5 8	12 28	0 6	17 17	1 42	11 14	3 49	21 39	0 53	13 47	2 0	23 44	0 12	16 13	1 43	23 2	14 7	2 5		2 22		17 5		4 36	5 42
W 8	2 44	18 14	5 17	12 32	0s 7	17 8	1 36	11 21	3 47	21 39	0 53	13 49	2 0	23 44	0 12	16 14	1 43	23 1	14 7	2 5		2 21		17 5		4 38	5 41
T 9	2 21	17 27	5 11	12 33	0 20	16 58	1 30	11 28	3 45	21 39	0 53	13 50	2 0	23 44	0 12	16 14	1 43	23 1	14 7	2 5		2 19		17 6		4 40	5 41
F 10	1 57	15 50	4 51	12 32	0 31	16 48	1 24	11 34	3 43	21 40	0 53	13 52	2 0	23 44	0 12	16 14	1 43	23 0	14 7	2 4		2 18		17 7		4 42	5 40
S 11	1 34	13 25	4 17	12 29	0 43	16 37	1 18	11 40	3 41	21 40	0 53	13 53	2 0	23 44	0 12	16 15	1 42	23 0	14 7	2 4		2 17		17 7		4 44	5 40
S 12	1 10	10 17	3 28	12 24	0 54	16 26	1 12	11 46	3 39	21 40	0 53	13 54	2 0	23 44	0 12	16 15	1 42	22 59	14 8	2 3		2 16		17 8		4 46	5 39
M13	0 46	6 32	2 27	12 17	1 4	16 14	1 7	11 52	3 37	21 40	0 53	13 56	2 0	23 44	0 12	16 16	1 42	22 59	14 8	2 3		2 14		17 9		4 48	5 39
T 14	0 23	2 20	1 17	12 9	1 14	16 2	1 1	11 57	3 35	21 40	0 53	13 57	2 0	23 44	0 12	16 16	1 42	22 59	14 8	2 3		2 13		17 9		4 50	5 38
W15	0n 1	2s 5	0n 1	11 58	1 23	15 49	0 55	12 2	3 33	21 40	0 53	13 58	2 0	23 44	0 12	16 17	1 42	22 58	14 8	2 3		2 12		17 10		4 52	5 38
T 16	0 24	6 27	1 19	11 46	1 31	15 35	0 50	12 7	3 30	21 41	0 53	13 59	2 0	23 44	0 12	16 17	1 42	22 58	14 8	2 3		2 11		17 11		4 54	5 37
F 17	0 48	10 29	2 33	11 32	1 40	15 22	0 45	12 11	3 28	21 41	0 53	14 1	2 0	23 44	0 12	16 18	1 42	22 57	14 8	2 3		2 9		17 11		4 55	5 37
S 18	1 11	13 55	3 38	11 17	1 47	15 7	0 39	12 16	3 26	21 40	0 53	14 2	2 0	23 44	0 12	16 18	1 42	22 57	14 9	2 3		2 8		17 12		4 57	5 36
S 19	1 35	16 27	4 29	10 59	1 54	14 53	0 34	12 20	3 23	21 40	0 53	14 3	2 0	23 45	0 12	16 19	1 42	22 57	14 9	2 3		2 7		17 13		4 59	5 36
M20	1 58	17 56	5 2	10 40	2 1	14 38	0 29	12 23	3 21	21 40	0 53	14 4	2 0	23 45	0 12	16 19	1 42	22 56	14 9	2 3		2 5		17 13		5 1	5 35
T 21	2 22	18 16	5 17	10 20	2 6	14 22	0 24	12 26	3 18	21 40	0 53	14 5	2 0	23 45	0 12	16 20	1 42	22 56	14 9	2 3		2 4		17 14		5 3	5 35
W22	2 45	17 28	5 12	9 58	2 12	14 6	0 18	12 29	3 16	21 40	0 53	14 6	2 0	23 45	0 12	16 20	1 42	22 56	14 9	2 3		2 3		17 15		5 4	5 34
T 23	3 9	15 38	4 49	9 34	2 17	13 50	0 14	12 32	3 13	21 40	0 53	14 7	1 59	23 45	0 12	16 21	1 42	22 55	14 10	2 3		2 2		17 15		5 6	5 34
F 24	3 32	12 58	4 10	9 9	2 21	13 33	0 9	12 34	3 11	21 40	0 53	14 8	1 59	23 45	0 12	16 21	1 42	22 55	14 10	2 3		2 0		17 16		5 8	5 33
S 25	3 55	9 38	3 19	8 42	2 25	13 15	0 4	12 36	3 8	21 39	0 52	14 9	1 59	23 45	0 12	16 22	1 42	22 55	14 10	2 4		1 59		17 17		5 10	5 32
S 26	4 18	5 52	2 17	8 14	2 28	12 58	0s 1	12 38	3 5	21 39	0 52	14 10	1 59	23 45	0 13	16 22	1 42	22 54	14 10	2 4		1 58		17 17		5 11	5 32
M27	4 41	1 54	1 9	7 45	2 30	12 40	0 6	12 40	3 3	21 39	0 52	14 11	1 59	23 45	0 13	16 23	1 42	22 54	14 10	2 4		1 57		17 18		5 13	5 31
T 28	5 4	2n 6	0s 1	7 14	2 32	12 21	0 10	12 41	3 0	21 38	0 52	14 12	1 59	23 45	0 13	16 23	1 42	22 54	14 11	2 4		1 55		17 18		5 15	5 31
W29	5 27	5 57	1 9	6 41	2 34	12 2	0 15	12 42	2 57	21 38	0 52	14 12	1 59	23 45	0 13	16 24	1 42	22 53	14 11	2 4		1 54		17 19		5 16	5 30
T 30	5 50	9 29	2 14	6 8	2 35	11 43	0 19	12 42	2 55	21 37	0 52	14 13	1 59	23 45	0 13	16 24	1 42	22 53	14 11	2 4		1 53		17 20		5 18	5 29
F 31	6n13	12n33	3s11	5s33	2s35	11s23	0s23	12n42	2n52	21n37	0n52	14n14	1n59	23s45	0s13	16n25	1s42	22s53	14s11	2s 3		1s52		17n20		5n19	5s29

Julian Day Number = 2110473.5, Delta T = 19m39s
Ecliptic obliquity = 23°33'28, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°43'22, Lahiri = 10°50'23 Julian Calendar 1 March 1066 == Greg. Calendar 7 March 1066

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1066
geocentric

APRIL 1066 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 59 20	16♈41'02	24♉16	23♓34	2♓31	4°R 2	27♋33	27°R32	27°R36	20♉50	4♓58	5°R 7	4♎36	9♊16	3°R 0	S 1
S 2	13 3 16	17°39'31	6♊10	25° 7	3°38	3♍57	27°36	27♌30	27♐36	20°52	4°59	5♎ 5	4°33	9°23	2♍58	S 2
M 3	13 7 13	18°37'58	18° 2	26°41	4°45	3°52	27°39	27°28	27°35	20°54	5° 0	5° 3	4°30	9°29	2°56	M 3
T 4	13 11 9	19°36'23	29°54	28°18	5°52	3°47	27°42	27°26	27°35	20°56	5° 2	5° 2	4°27	9°36	2°53	T 4
W 5	13 15 6	20°34'45	11♋52	29°56	6°59	3°44	27°45	27°24	27°35	20°58	5° 3	5° 1	4°23	9°43	2°51	W 5
T 6	13 19 3	21°33'06	23°58	1♈36	8° 6	3°42	27°48	27°22	27°34	21° 0	5° 4	5°D 1	4°20	9°49	2°49	T 6
F 7	13 22 59	22°31'24	6♌19	3°17	9°14	3°40	27°52	27°20	27°34	21° 2	5° 5	5° 1	4°17	9°56	2°47	F 7
S 8	13 26 56	23°29'40	18°58	5° 0	10°21	3°39	27°56	27°18	27°33	21° 4	5° 6	5° 2	4°14	10° 3	2°45	S 8
S 9	13 30 52	24°27'54	1♍59	6°45	11°29	3°D38	27°59	27°17	27°32	21° 6	5° 7	5° 4	4°11	10°10	2°43	S 9
M10	13 34 49	25°26'06	15°25	8°32	12°37	3°39	28° 3	27°15	27°32	21° 8	5° 8	5° 5	4° 8	10°16	2°42	M10
T 11	13 38 45	26°24'16	29°16	10°21	13°45	3°40	28° 8	27°14	27°31	21°10	5°10	5°R 6	4° 4	10°23	2°40	T 11
W12	13 42 42	27°22'25	13♎32	12°11	14°53	3°42	28°12	27°13	27°30	21°12	5°11	5° 6	4° 1	10°30	2°38	W12
T 13	13 46 38	28°20'31	28° 8	14° 3	16° 1	3°45	28°16	27°12	27°29	21°14	5°12	5° 5	3°58	10°36	2°37	T 13
F 14	13 50 35	29°18'35	12♏59	15°57	17° 9	3°48	28°21	27°11	27°29	21°17	5°13	5° 2	3°55	10°43	2°36	F 14
S 15	13 54 32	0♉16'38	27°56	17°53	18°17	3°52	28°26	27°10	27°28	21°19	5°14	4°59	3°52	10°50	2°35	S 15
S 16	13 58 28	1°14'40	12♐51	19°50	19°25	3°57	28°31	27° 9	27°27	21°21	5°15	4°56	3°48	10°57	2°34	S 16
M17	14 2 25	2°12'40	27°36	21°49	20°34	4° 3	28°36	27° 8	27°26	21°23	5°16	4°52	3°45	11° 3	2°33	M17
T 18	14 6 21	3°10'39	12♑ 6	23°50	21°42	4° 9	28°41	27° 8	27°25	21°25	5°17	4°50	3°42	11°10	2°32	T 18
W19	14 10 18	4° 8'36	26°15	25°52	22°51	4°16	28°47	27° 7	27°24	21°27	5°18	4°48	3°39	11°17	2°31	W19
T 20	14 14 14	5° 6'32	10♒ 3	27°56	24° 0	4°23	28°52	27° 7	27°22	21°29	5°19	4°D48	3°36	11°23	2°30	T 20
F 21	14 18 11	6° 4'27	23°30	0♉ 2	25° 9	4°31	28°58	27° 6	27°21	21°32	5°20	4°49	3°33	11°30	2°30	F 21
S 22	14 22 7	7° 2'20	6♓38	2° 9	26°18	4°40	29° 4	27° 6	27°20	21°34	5°20	4°51	3°29	11°37	2°29	S 22
S 23	14 26 4	8° 0'12	19°28	4°17	27°27	4°49	29°10	27° 6	27°19	21°36	5°21	4°52	3°26	11°43	2°29	S 23
M24	14 30 1	8°58'03	2♈ 5	6°26	28°36	4°59	29°16	27°D 6	27°17	21°38	5°22	4°R53	3°23	11°50	2°29	M24
T 25	14 33 57	9°55'52	14°29	8°36	29°45	5°10	29°23	27° 6	27°16	21°40	5°23	4°53	3°20	11°57	2°D29	T 25
W26	14 37 54	10°53'40	26°44	10°47	0♈54	5°21	29°29	27° 6	27°15	21°43	5°24	4°51	3°17	12° 4	2°29	W26
T 27	14 41 50	11°51'27	8♉51	12°58	2° 4	5°33	29°36	27° 7	27°13	21°45	5°25	4°47	3°13	12°10	2°29	T 27
F 28	14 45 47	12°49'12	20°51	15° 9	3°13	5°45	29°42	27° 7	27°12	21°47	5°25	4°41	3°10	12°17	2°29	F 28
S 29	14 49 43	13°46'56	2♊46	17°20	4°22	5°58	29°49	27° 8	27°10	21°49	5°26	4°34	3° 7	12°24	2°30	S 29
S 30	14 53 40	14♉44'39	14♊38	19♉31	5♈32	6♍11	29♋56	27♌ 8	27♐ 9	21♉52	5♓27	4♎27	3♎ 4	12♊30	2♍30	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n35	15n 4	3s59	4s57	2s35	11s 3	0s27	12n42	2n49	21n36	0n52	14n15	1n59	23s45	0s13	16n25	1s42	22s53	14s12	2s 3	1s50	17n21	5n21	5s28
S 2	6 58	16 54	4 37	4 19	2 35	10 43	0 32	12 42	2 47	21 36	0 52	14 15	1 59	23 45	0 13	16 26	1 42	22 52	14 12	2 2	1 49	17 22	5 22	5 27
M 3	7 20	18 0	5 2	3 40	2 34	10 22	0 36	12 41	2 44	21 35	0 52	14 16	1 58	23 45	0 13	16 26	1 41	22 52	14 12	2 1	1 48	17 22	5 24	5 27
T 4	7 42	18 19	5 15	3 0	2 32	10 1	0 40	12 40	2 41	21 34	0 52	14 17	1 58	23 45	0 13	16 27	1 41	22 52	14 12	2 1	1 46	17 23	5 25	5 26
W 5	8 5	17 49	5 14	2 19	2 30	9 40	0 43	12 39	2 38	21 34	0 52	14 17	1 58	23 45	0 13	16 27	1 41	22 52	14 13	2 0	1 45	17 23	5 27	5 25
T 6	8 27	16 31	4 59	1 37	2 27	9 18	0 47	12 37	2 36	21 33	0 52	14 18	1 58	23 45	0 13	16 28	1 41	22 51	14 13	2 0	1 44	17 24	5 28	5 25
F 7	8 48	14 25	4 30	0 53	2 24	8 56	0 51	12 35	2 33	21 32	0 52	14 18	1 58	23 45	0 13	16 29	1 41	22 51	14 13	2 0	1 43	17 25	5 30	5 24
S 8	9 10	11 36	3 48	0 9	2 20	8 34	0 54	12 33	2 30	21 31	0 52	14 19	1 58	23 45	0 13	16 29	1 41	22 51	14 13	2 1	1 41	17 25	5 31	5 23
S 9	9 32	8 8	2 53	0n37	2 16	8 11	0 58	12 31	2 28	21 30	0 52	14 19	1 58	23 45	0 13	16 30	1 41	22 51	14 14	2 1	1 40	17 26	5 32	5 23
M10	9 53	4 8	1 46	1 24	2 11	7 48	1 1	12 28	2 25	21 30	0 51	14 20	1 58	23 45	0 13	16 30	1 41	22 51	14 14	2 2	1 39	17 26	5 33	5 22
T 11	10 14	0s12	0 32	2 12	2 6	7 25	1 4	12 25	2 23	21 29	0 51	14 20	1 58	23 45	0 13	16 31	1 41	22 51	14 14	2 2	1 38	17 27	5 35	5 21
W12	10 35	4 39	0n46	3 0	2 0	7 1	1 8	12 22	2 20	21 28	0 51	14 20	1 57	23 45	0 13	16 31	1 41	22 50	14 15	2 2	1 36	17 28	5 36	5 20
T 13	10 56	8 57	2 3	3 50	1 53	6 38	1 11	12 19	2 17	21 27	0 51	14 20	1 57	23 45	0 13	16 32	1 41	22 50	14 15	2 2	1 35	17 28	5 37	5 20
F 14	11 17	12 44	3 13	4 40	1 46	6 14	1 14	12 15	2 15	21 26	0 51	14 21	1 57	23 45	0 13	16 32	1 41	22 50	14 15	2 1	1 34	17 29	5 38	5 19
S 15	11 38	15 43	4 11	5 31	1 39	5 50	1 17	12 11	2 12	21 25	0 51	14 21	1 57	23 45	0 13	16 33	1 41	22 50	14 15	1 59	1 33	17 29	5 39	5 18
S 16	11 58	17 39	4 51	6 23	1 31	5 25	1 19	12 7	2 10	21 24	0 51	14 21	1 57	23 45	0 13	16 34	1 41	22 50	14 16	1 58	1 31	17 30	5 40	5 18
M17	12 18	18 21	5 11	7 16	1 23	5 1	1 22	12 3	2 7	21 22	0 51	14 21	1 57	23 45	0 13	16 34	1 41	22 50	14 16	1 57	1 30	17 30	5 41	5 17
T 18	12 38	17 50	5 11	8 8	1 14	4 36	1 25	11 58	2 5	21 21	0 51	14 21	1 57	23 45	0 13	16 35	1 41	22 50	14 16	1 56	1 29	17 31	5 42	5 16
W19	12 58	16 14	4 52	9 2	1 5	4 11	1 27	11 54	2 2	21 20	0 51	14 21	1 57	23 45	0 13	16 35	1 41	22 50	14 17	1 55	1 27	17 32	5 43	5 15
T 20	13 17	13 42	4 16	9 55	0 56	3 46	1 30	11 49	2 0	21 19	0 51	14 21	1 56	23 45	0 13	16 36	1 41	22 50	14 17	1 55	1 26	17 32	5 44	5 15
F 21	13 37	10 29	3 27	10 49	0 46	3 20	1 32	11 43	1 57	21 18	0 51	14 21	1 56	23 45	0 13	16 37	1 41	22 50	14 17	1 55	1 25	17 33	5 45	5 14
S 22	13 56	6 50	2 28	11 43	0 36	2 55	1 34	11 38	1 55	21 16	0 51	14 21	1 56	23 45	0 13	16 37	1 41	22 49	14 18	1 56	1 24	17 33	5 46	5 13
S 23	14 15	2 55	1 23	12 36	0 26	2 29	1 36	11 32	1 53	21 15	0 51	14 21	1 56	23 45	0 13	16 38	1 41	22 49	14 18	1 57	1 22	17 34	5 47	5 12
M24	14 33	1n 4	0 15	13 29	0 16	2 4	1 38	11 26	1 50	21 14	0 51	14 21	1 56	23 45	0 13	16 38	1 41	22 49	14 18	1 57	1 21	17 34	5 48	5 12
T 25	14 52	4 56	0s52	14 21	0 5	1 38	1 40	11 20	1 48	21 12	0 51	14 21	1 56	23 45	0 13	16 39	1 41	22 49	14 19	1 57	1 20	17 35	5 48	5 11
W26	15 10	8 33	1 56	15 13	0n 5	1 12	1 42	11 14	1 46	21 11	0 50	14 21	1 56	23 45	0 13	16 39	1 41	22 49	14 19	1 56	1 19	17 36	5 49	5 10
T 27	15 28	11 46	2 54	16 4	0 16	0 46	1 43	11 8	1 43	21 9	0 50	14 20	1 55	23 45	0 13	16 40	1 41	22 49	14 19	1 54	1 17	17 36	5 50	5 9
F 28	15 46	14 27	3 44	16 53	0 26	0 19	1 45	11 1	1 41	21 8	0 50	14 20	1 55	23 45	0 13	16 41	1 41	22 49	14 20	1 52	1 16	17 37	5 50	5 9
S 29	16 3	16 31	4 23	17 41	0 37	0n 7	1 47	10 54	1 39	21 6	0 50	14 20	1 55	23 45	0 13	16 41	1 41	22 49	14 20	1 50	1 15	17 37	5 51	5 8
S 30	16n20	17n51	4s51	18n27	0n47	0n33	1s48	10n47	1n37	21n 5	0n50	14n20	1n55	23s45	0s13	16n42	1s41	22s49	14s20	1s47	1s13	17n38	5n51	5s 7

Julian Day Number = 2110504.5, Delta T = 19m39s
Ecliptic obliquity = 23°33'28, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°43'27, Lahiri = 10°50'27 Julian Calendar 1 Apr. 1066 == Greg. Calendar 7 Apr. 1066

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1066
geocentric

MAY 1066 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 57 36	15♉42'20	26♊30	21♉41	6♈41	6♍25	0♌ 4	27♌ 9	27°R 7	21♉54	5♓27	4°R20	3♎ 1	12♊37	2♍31	M 1
T 2	15 1 33	16°39'59	8♋22	23°50	7°51	6°40	0°11	27°10	27♐ 5	21°56	5°28	4♎13	2°58	12°44	2°32	T 2
W 3	15 5 29	17°37'37	20°20	25°58	9° 1	6°55	0°18	27°11	27° 4	21°58	5°29	4° 8	2°54	12°51	2°32	W 3
T 4	15 9 26	18°35'14	2♌25	28° 4	10°11	7°10	0°26	27°12	27° 2	22° 0	5°29	4° 5	2°51	12°57	2°33	T 4
F 5	15 13 23	19°32'49	14°43	0♊ 9	11°20	7°26	0°34	27°13	27° 0	22° 3	5°30	4°D 3	2°48	13° 4	2°34	F 5
S 6	15 17 19	20°30'22	27°18	2°12	12°30	7°43	0°41	27°14	26°59	22° 5	5°31	4° 3	2°45	13°11	2°36	S 6
S 7	15 21 16	21°27'54	10♍14	4°13	13°40	8° 0	0°49	27°15	26°57	22° 7	5°31	4° 4	2°42	13°17	2°37	S 7
M 8	15 25 12	22°25'25	23°35	6°11	14°50	8°17	0°57	27°17	26°55	22° 9	5°32	4° 5	2°39	13°24	2°38	M 8
T 9	15 29 9	23°22'54	7♎24	8° 7	16° 0	8°35	1° 5	27°18	26°53	22°12	5°32	4°R 6	2°35	13°31	2°40	T 9
W10	15 33 5	24°20'22	21°41	10° 1	17°10	8°54	1°14	27°20	26°51	22°14	5°33	4° 4	2°32	13°38	2°41	W10
T 11	15 37 2	25°17'48	6♏23	11°52	18°21	9°13	1°22	27°22	26°49	22°16	5°33	4° 1	2°29	13°44	2°43	T 11
F 12	15 40 58	26°15'14	21°26	13°41	19°31	9°32	1°31	27°24	26°47	22°18	5°34	3°56	2°26	13°51	2°45	F 12
S 13	15 44 55	27°12'38	6♐40	15°27	20°41	9°51	1°39	27°26	26°45	22°21	5°34	3°49	2°23	13°58	2°47	S 13
S 14	15 48 52	28°10'02	21°54	17°10	21°51	10°12	1°48	27°28	26°43	22°23	5°34	3°41	2°19	14° 5	2°49	S 14
M15	15 52 48	29° 7'24	6♑59	18°50	23° 2	10°32	1°57	27°30	26°41	22°25	5°35	3°33	2°16	14°11	2°51	M15
T 16	15 56 45	0♊ 4'46	21°45	20°28	24°12	10°53	2° 6	27°32	26°39	22°27	5°35	3°26	2°13	14°18	2°53	T 16
W17	16 0 41	1° 2'08	6♒ 6	22° 3	25°23	11°14	2°15	27°34	26°37	22°30	5°36	3°22	2°10	14°25	2°56	W17
T 18	16 4 38	1°59'29	20° 0	23°35	26°33	11°36	2°24	27°37	26°35	22°32	5°36	3°19	2° 7	14°31	2°58	T 18
F 19	16 8 34	2°56'49	3♓27	25° 4	27°44	11°58	2°33	27°39	26°33	22°34	5°36	3°D19	2° 4	14°38	3° 1	F 19
S 20	16 12 31	3°54'08	16°30	26°30	28°55	12°20	2°43	27°42	26°31	22°36	5°36	3°19	2° 0	14°45	3° 3	S 20
S 21	16 16 27	4°51'27	29°12	27°54	0♉ 5	12°43	2°52	27°45	26°29	22°38	5°37	3°R20	1°57	14°52	3° 6	S 21
M22	16 20 24	5°48'46	11♈37	29°14	1°16	13° 6	3° 2	27°48	26°26	22°41	5°37	3°19	1°54	14°58	3° 9	M22
T 23	16 24 21	6°46'04	23°50	0♋32	2°27	13°29	3°11	27°50	26°24	22°43	5°37	3°17	1°51	15° 5	3°12	T 23
W24	16 28 17	7°43'22	5♉54	1°46	3°38	13°53	3°21	27°53	26°22	22°45	5°37	3°13	1°48	15°12	3°15	W24
T 25	16 32 14	8°40'39	17°51	2°57	4°49	14°17	3°31	27°56	26°20	22°47	5°37	3° 6	1°45	15°18	3°18	T 25
F 26	16 36 10	9°37'55	29°45	4° 6	6° 0	14°42	3°41	28° 0	26°17	22°49	5°38	2°56	1°41	15°25	3°22	F 26
S 27	16 40 7	10°35'12	11♊37	5°11	7°11	15° 6	3°51	28° 3	26°15	22°52	5°38	2°45	1°38	15°32	3°25	S 27
S 28	16 44 3	11°32'27	23°28	6°12	8°22	15°31	4° 1	28° 6	26°13	22°54	5°38	2°32	1°35	15°39	3°29	S 28
M29	16 48 0	12°29'42	5♋21	7°11	9°33	15°57	4°11	28°10	26°10	22°56	5°38	2°20	1°32	15°45	3°32	M29
T 30	16 51 57	13°26'57	17°17	8° 5	10°44	16°23	4°22	28°13	26° 8	22°58	5°38	2° 8	1°29	15°52	3°36	T 30
W31	16 55 53	14♊24'10	29♋17	8♋57	11♉55	16♍49	4♌32	28♌17	26♐ 6	23♉ 0	5°R38	1♎59	1♎25	15♊59	3♍40	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n37	18n25	5s 6	19n11	0n57	1n 0	1s49	10n40	1n35	21n 3	0n50	14n19	1n55	23s45	0s13	16n42	1s41	22s50	14s21	1s44	1s12	17n38	5n52	5s 6
T 2	16 54	18 10	5 8	19 53	1 6	1 26	1 51	10 32	1 32	21 2	0 50	14 19	1 55	23 45	0 13	16 43	1 41	22 50	14 21	1 41	1 11	17 39	5 52	5 5
W 3	17 10	17 7	4 57	20 33	1 15	1 53	1 52	10 25	1 30	21 0	0 50	14 18	1 55	23 45	0 13	16 44	1 41	22 50	14 21	1 39	1 10	17 39	5 53	5 5
T 4	17 27	15 18	4 32	21 11	1 23	2 19	1 53	10 17	1 28	20 58	0 50	14 18	1 55	23 45	0 13	16 44	1 41	22 50	14 22	1 38	1 8	17 40	5 53	5 4
F 5	17 42	12 45	3 55	21 46	1 31	2 46	1 54	10 9	1 26	20 57	0 50	14 17	1 54	23 45	0 13	16 45	1 41	22 50	14 22	1 37	1 7	17 40	5 54	5 3
S 6	17 58	9 34	3 5	22 19	1 38	3 13	1 54	10 1	1 24	20 55	0 50	14 17	1 54	23 45	0 13	16 45	1 41	22 50	14 22	1 37	1 6	17 41	5 54	5 2
S 7	18 13	5 50	2 5	22 49	1 45	3 39	1 55	9 53	1 22	20 53	0 50	14 16	1 54	23 45	0 13	16 46	1 41	22 50	14 23	1 38	1 5	17 41	5 54	5 2
M 8	18 28	1 42	0 56	23 16	1 51	4 6	1 56	9 44	1 20	20 51	0 50	14 15	1 54	23 45	0 13	16 47	1 41	22 50	14 23	1 38	1 3	17 42	5 54	5 1
T 9	18 43	2s41	0n18	23 41	1 56	4 32	1 56	9 36	1 18	20 49	0 50	14 15	1 54	23 45	0 13	16 47	1 41	22 50	14 23	1 38	1 2	17 42	5 54	5 0
W10	18 57	7 3	1 33	24 3	2 1	4 59	1 57	9 27	1 16	20 48	0 50	14 14	1 54	23 45	0 13	16 48	1 41	22 50	14 24	1 38	1 1	17 43	5 55	4 59
T 11	19 11	11 7	2 45	24 23	2 4	5 25	1 57	9 18	1 14	20 46	0 50	14 13	1 54	23 45	0 13	16 48	1 41	22 51	14 24	1 36	1 0	17 43	5 55	4 59
F 12	19 25	14 34	3 46	24 40	2 7	5 52	1 57	9 9	1 12	20 44	0 50	14 13	1 53	23 44	0 13	16 49	1 41	22 51	14 24	1 34	0 58	17 44	5 55	4 58
S 13	19 38	17 3	4 32	24 54	2 10	6 18	1 58	9 0	1 10	20 42	0 50	14 12	1 53	23 44	0 13	16 49	1 41	22 51	14 25	1 31	0 57	17 44	5 55	4 57
S 14	19 51	18 20	4 59	25 7	2 11	6 44	1 58	8 50	1 8	20 40	0 50	14 11	1 53	23 44	0 13	16 50	1 41	22 51	14 25	1 28	0 56	17 45	5 55	4 56
M15	20 4	18 18	5 5	25 16	2 12	7 10	1 58	8 41	1 7	20 38	0 50	14 10	1 53	23 44	0 13	16 51	1 41	22 51	14 26	1 25	0 54	17 45	5 55	4 56
T 16	20 16	17 1	4 50	25 24	2 12	7 37	1 58	8 31	1 5	20 36	0 49	14 9	1 53	23 44	0 13	16 51	1 41	22 51	14 26	1 22	0 53	17 46	5 55	4 55
W17	20 28	14 41	4 18	25 30	2 11	8 3	1 57	8 21	1 3	20 34	0 49	14 8	1 53	23 44	0 13	16 52	1 41	22 52	14 26	1 21	0 52	17 46	5 54	4 54
T 18	20 40	11 34	3 30	25 33	2 9	8 28	1 57	8 11	1 1	20 31	0 49	14 7	1 53	23 44	0 13	16 52	1 41	22 52	14 27	1 20	0 51	17 47	5 54	4 53
F 19	20 51	7 55	2 33	25 35	2 7	8 54	1 57	8 1	0 59	20 29	0 49	14 6	1 52	23 44	0 13	16 53	1 41	22 52	14 27	1 19	0 49	17 47	5 54	4 53
S 20	21 2	4 0	1 29	25 34	2 4	9 20	1 56	7 51	0 58	20 27	0 49	14 5	1 52	23 44	0 13	16 53	1 41	22 52	14 27	1 20	0 48	17 48	5 54	4 52
S 21	21 13	0n 1	0 22	25 32	2 0	9 45	1 56	7 41	0 56	20 25	0 49	14 4	1 52	23 44	0 14	16 54	1 41	22 53	14 28	1 20	0 47	17 48	5 53	4 51
M22	21 23	3 56	0s44	25 28	1 55	10 10	1 55	7 30	0 54	20 23	0 49	14 3	1 52	23 44	0 14	16 54	1 41	22 53	14 28	1 20	0 46	17 49	5 53	4 50
T 23	21 33	7 38	1 47	25 23	1 50	10 35	1 55	7 20	0 52	20 20	0 49	14 2	1 52	23 44	0 14	16 55	1 41	22 53	14 29	1 19	0 44	17 49	5 53	4 50
W24	21 42	10 58	2 44	25 16	1 44	11 0	1 54	7 9	0 51	20 18	0 49	14 1	1 52	23 44	0 14	16 56	1 41	22 53	14 29	1 17	0 43	17 50	5 52	4 49
T 25	21 51	13 49	3 34	25 8	1 37	11 25	1 53	6 58	0 49	20 16	0 49	14 0	1 52	23 44	0 14	16 56	1 41	22 54	14 29	1 14	0 42	17 50	5 52	4 48
F 26	22 0	16 4	4 13	24 59	1 29	11 49	1 52	6 47	0 47	20 13	0 49	13 58	1 52	23 44	0 14	16 57	1 41	22 54	14 30	1 10	0 40	17 51	5 51	4 47
S 27	22 9	17 38	4 42	24 48	1 21	12 13	1 51	6 36	0 46	20 11	0 49	13 57	1 51	23 44	0 14	16 57	1 41	22 54	14 30	1 6	0 39	17 51	5 51	4 47
S 28	22 17	18 26	4 58	24 37	1 12	12 37	1 50	6 25	0 44	20 8	0 49	13 56	1 51	23 44	0 14	16 58	1 41	22 55	14 30	1 1	0 38	17 52	5 50	4 46
M29	22 24	18 26	5 1	24 24	1 3	13 1	1 49	6 13	0 43	20 6	0 49	13 54	1 51	23 44	0 14	16 58	1 41	22 55	14 31	0 56	0 37	17 52	5 50	4 45
T 30	22 32	17 37	4 51	24 11	0 52	13 24	1 48	6 2	0 41	20 3	0 49	13 53	1 51	23 44	0 14	16 59	1 41	22 55	14 31	0 51	0 35	17 52	5 49	4 45
W31	22n38	16n 1	4s28	23n57	0n41	13n48	1s47	5n50	0n39	20n 1	0n49	13n52	1n51	23s44	0s14	16n59	1s41	22s56	14s31	0s47	0s34	17n53	5n48	4s44

Julian Day Number = 2110534.5, Delta T = 19m39s
Ecliptic obliquity = 23°33'28, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°43'31, Lahiri = 10°50'31 Julian Calendar 1 May 1066 == Greg. Calendar 7 May 1066

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1066
geocentric

JUNE 1066 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 59 50	15♊21'23	11♌25	9♋44	13♉ 6	17♍15	4♌42	28♌21	26°R 3	23♉ 2	5°R38	1°R52	1♎22	16♊ 5	3♍44	T 1
F 2	17 3 46	16°18'36	23°44	10°28	14°18	17°42	4°53	28°24	26♐ 1	23° 4	5♓38	1♎47	1°19	16°12	3°48	F 2
S 3	17 7 43	17°15'48	6♍17	11° 8	15°29	18° 8	5° 4	28°28	25°59	23° 7	5°38	1°46	1°16	16°19	3°52	S 3
S 4	17 11 39	18°12'59	19°10	11°44	16°40	18°36	5°14	28°32	25°56	23° 9	5°38	1°D45	1°13	16°26	3°56	S 4
M 5	17 15 36	19°10'10	2♎25	12°16	17°51	19° 3	5°25	28°36	25°54	23°11	5°38	1°R45	1°10	16°32	4° 0	M 5
T 6	17 19 32	20° 7'20	16° 6	12°44	19° 3	19°31	5°36	28°40	25°51	23°13	5°37	1°45	1° 6	16°39	4° 5	T 6
W 7	17 23 29	21° 4'29	0♏15	13° 7	20°14	19°59	5°47	28°45	25°49	23°15	5°37	1°42	1° 3	16°46	4° 9	W 7
T 8	17 27 25	22° 1'39	14°51	13°26	21°26	20°27	5°58	28°49	25°46	23°17	5°37	1°38	1° 0	16°52	4°14	T 8
F 9	17 31 22	22°58'47	29°50	13°41	22°37	20°55	6° 9	28°53	25°44	23°19	5°37	1°30	0°57	16°59	4°18	F 9
S 10	17 35 19	23°55'56	15♐ 5	13°51	23°49	21°24	6°20	28°58	25°42	23°21	5°37	1°21	0°54	17° 6	4°23	S 10
S 11	17 39 15	24°53'05	0♑25	13°56	25° 0	21°53	6°31	29° 2	25°39	23°23	5°36	1°10	0°51	17°13	4°28	S 11
M12	17 43 12	25°50'13	15°38	13°R57	26°12	22°22	6°43	29° 7	25°37	23°25	5°36	1° 0	0°47	17°19	4°33	M12
T 13	17 47 8	26°47'22	0♒34	13°53	27°24	22°52	6°54	29°11	25°34	23°27	5°36	0°51	0°44	17°26	4°38	T 13
W14	17 51 5	27°44'30	15° 5	13°44	28°36	23°21	7° 5	29°16	25°32	23°29	5°36	0°44	0°41	17°33	4°43	W14
T 15	17 55 1	28°41'39	29° 7	13°31	29°47	23°51	7°17	29°21	25°29	23°31	5°35	0°40	0°38	17°40	4°48	T 15
F 16	17 58 58	29°38'48	12♓40	13°13	0♊59	24°21	7°29	29°26	25°27	23°32	5°35	0°38	0°35	17°46	4°53	F 16
S 17	18 2 55	0♋35'58	25°45	12°52	2°11	24°52	7°40	29°31	25°25	23°34	5°34	0°37	0°31	17°53	4°59	S 17
S 18	18 6 51	1°33'08	8♈27	12°27	3°23	25°22	7°52	29°36	25°22	23°36	5°34	0°37	0°28	18° 0	5° 4	S 18
M19	18 10 48	2°30'18	20°49	11°58	4°35	25°53	8° 4	29°41	25°20	23°38	5°34	0°36	0°25	18° 6	5° 9	M19
T 20	18 14 44	3°27'29	2♉57	11°26	5°47	26°24	8°15	29°46	25°17	23°40	5°33	0°34	0°22	18°13	5°15	T 20
W21	18 18 41	4°24'40	14°56	10°51	6°59	26°55	8°27	29°51	25°15	23°42	5°33	0°29	0°19	18°20	5°21	W21
T 22	18 22 37	5°21'52	26°50	10°14	8°11	27°27	8°39	29°57	25°13	23°43	5°32	0°21	0°16	18°27	5°26	T 22
F 23	18 26 34	6°19'04	8♊41	9°36	9°23	27°58	8°51	0♍ 2	25°10	23°45	5°32	0°11	0°12	18°33	5°32	F 23
S 24	18 30 30	7°16'17	20°32	8°57	10°35	28°30	9° 3	0° 7	25° 8	23°47	5°31	29♍58	0° 9	18°40	5°38	S 24
S 25	18 34 27	8°13'30	2♋25	8°17	11°47	29° 2	9°15	0°13	25° 6	23°49	5°31	29°45	0° 6	18°47	5°44	S 25
M26	18 38 24	9°10'44	14°22	7°38	13° 0	29°34	9°27	0°18	25° 3	23°50	5°30	29°31	0° 3	18°53	5°50	M26
T 27	18 42 20	10° 7'58	26°25	7° 1	14°12	0♎ 7	9°39	0°24	25° 1	23°52	5°29	29°19	29♍59	19° 0	5°56	T 27
W28	18 46 17	11° 5'12	8♌33	6°25	15°24	0°39	9°51	0°30	24°59	23°54	5°29	29° 8	29°57	19° 7	6° 2	W28
T 29	18 50 13	12° 2'27	20°49	5°51	16°37	1°12	10° 4	0°36	24°56	23°55	5°28	29° 0	29°53	19°14	6° 9	T 29
F 30	18 54 10	12♋59'42	3♍16	5♋21	17♊49	1♎45	10♌16	0♍41	24♐54	23♉57	5♓28	28♍55	29♍50	19♊20	6♍15	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n45	13n42	3s53	23n42	0n30	14n10	1s45	5n39	0n38	19n58	0n49	13n50	1n51	23s44	0s14	17n 0	1s41	22s56	14s32	0s45	0s33	17n53	5n47	4s43
F 2	22 51	10 44	3 7	23 26	0 18	14 33	1 44	5 27	0 36	19 56	0 49	13 49	1 51	23 43	0 14	17 0	1 41	22 56	14 32	0 43	0 32	17 54	5 47	4 42
S 3	22 57	7 14	2 11	23 11	0 5	14 55	1 43	5 15	0 35	19 53	0 49	13 47	1 51	23 43	0 14	17 1	1 41	22 57	14 33	0 42	0 30	17 54	5 46	4 42
S 4	23 2	3 18	1 6	22 54	0s 8	15 17	1 41	5 3	0 33	19 51	0 49	13 46	1 50	23 43	0 14	17 1	1 41	22 57	14 33	0 42	0 29	17 55	5 45	4 41
M 5	23 7	0s55	0n 3	22 38	0 22	15 39	1 40	4 51	0 32	19 48	0 49	13 44	1 50	23 43	0 14	17 2	1 41	22 57	14 33	0 42	0 28	17 55	5 44	4 40
T 6	23 11	5 12	1 15	22 21	0 36	16 0	1 38	4 38	0 30	19 45	0 49	13 43	1 50	23 43	0 14	17 2	1 41	22 58	14 34	0 42	0 27	17 56	5 43	4 40
W 7	23 15	9 21	2 25	22 4	0 50	16 21	1 36	4 26	0 29	19 42	0 49	13 41	1 50	23 43	0 14	17 3	1 41	22 58	14 34	0 41	0 25	17 56	5 42	4 39
T 8	23 19	13 5	3 27	21 47	1 5	16 41	1 34	4 13	0 28	19 40	0 49	13 40	1 50	23 43	0 14	17 3	1 41	22 58	14 34	0 39	0 24	17 56	5 41	4 38
F 9	23 22	16 2	4 16	21 31	1 21	17 1	1 33	4 1	0 26	19 37	0 49	13 38	1 50	23 43	0 14	17 4	1 41	22 59	14 35	0 36	0 23	17 57	5 40	4 38
S 10	23 25	17 56	4 49	21 14	1 36	17 21	1 31	3 48	0 25	19 34	0 49	13 36	1 50	23 43	0 14	17 4	1 41	22 59	14 35	0 32	0 21	17 57	5 39	4 37
S 11	23 27	18 33	5 1	20 58	1 52	17 40	1 29	3 36	0 23	19 31	0 49	13 35	1 50	23 43	0 14	17 5	1 41	23 0	14 35	0 28	0 20	17 58	5 38	4 36
M12	23 30	17 49	4 51	20 42	2 8	17 59	1 27	3 23	0 22	19 28	0 49	13 33	1 50	23 43	0 14	17 5	1 41	23 0	14 36	0 24	0 19	17 58	5 37	4 36
T 13	23 31	15 52	4 22	20 27	2 23	18 18	1 25	3 10	0 21	19 26	0 49	13 31	1 49	23 43	0 14	17 6	1 41	23 1	14 36	0 20	0 18	17 58	5 36	4 35
W14	23 32	12 57	3 36	20 13	2 39	18 36	1 23	2 57	0 19	19 23	0 49	13 29	1 49	23 43	0 14	17 6	1 41	23 1	14 37	0 18	0 16	17 59	5 34	4 34
T 15	23 33	9 22	2 38	19 59	2 54	18 53	1 21	2 44	0 18	19 20	0 49	13 28	1 49	23 43	0 14	17 7	1 41	23 1	14 37	0 16	0 15	17 59	5 33	4 34
F 16	23 33	5 24	1 33	19 45	3 9	19 10	1 19	2 30	0 17	19 17	0 49	13 26	1 49	23 43	0 14	17 7	1 41	23 2	14 37	0 15	0 14	18 0	5 32	4 33
S 17	23 33	1 18	0 26	19 33	3 24	19 27	1 16	2 17	0 15	19 14	0 49	13 24	1 49	23 42	0 14	17 7	1 41	23 2	14 38	0 15	0 13	18 0	5 30	4 32
S 18	23 33	2n44	0s41	19 22	3 38	19 43	1 14	2 4	0 14	19 11	0 49	13 22	1 49	23 42	0 14	17 8	1 41	23 3	14 38	0 15	0 11	18 0	5 29	4 32
M19	23 32	6 33	1 45	19 11	3 50	19 59	1 12	1 50	0 13	19 8	0 49	13 20	1 49	23 42	0 14	17 8	1 41	23 3	14 38	0 15	0 10	18 1	5 28	4 31
T 20	23 31	10 1	2 42	19 2	4 2	20 14	1 10	1 37	0 12	19 5	0 49	13 18	1 49	23 42	0 14	17 9	1 41	23 4	14 39	0 14	0 9	18 1	5 26	4 31
W21	23 29	13 2	3 31	18 54	4 13	20 29	1 7	1 23	0 10	19 1	0 49	13 16	1 49	23 42	0 14	17 9	1 41	23 4	14 39	0 12	0 7	18 2	5 25	4 30
T 22	23 27	15 28	4 11	18 47	4 23	20 43	1 5	1 10	0 9	18 58	0 49	13 14	1 49	23 42	0 14	17 10	1 41	23 5	14 39	0 8	0 6	18 2	5 23	4 29
F 23	23 24	17 15	4 39	18 42	4 31	20 56	1 3	0 56	0 8	18 55	0 49	13 12	1 49	23 42	0 14	17 10	1 41	23 5	14 40	0 4	0 5	18 2	5 22	4 29
S 24	23 21	18 18	4 56	18 38	4 38	21 9	1 0	0 42	0 7	18 52	0 49	13 10	1 48	23 42	0 14	17 10	1 42	23 6	14 40	0n 1	0 4	18 3	5 20	4 28
S 25	23 18	18 33	5 0	18 35	4 43	21 22	0 58	0 28	0 5	18 49	0 49	13 8	1 48	23 42	0 14	17 11	1 42	23 6	14 40	0 6	0 2	18 3	5 18	4 28
M26	23 14	17 58	4 50	18 34	4 47	21 33	0 55	0 14	0 4	18 46	0 49	13 6	1 48	23 42	0 14	17 11	1 42	23 7	14 41	0 12	0 1	18 4	5 17	4 27
T 27	23 10	16 36	4 28	18 34	4 49	21 45	0 53	0 0	0 3	18 42	0 49	13 4	1 48	23 42	0 14	17 11	1 42	23 7	14 41	0 17	0n 0	18 4	5 15	4 26
W28	23 6	14 28	3 53	18 35	4 49	21 55	0 50	0s14	0 2	18 39	0 49	13 2	1 48	23 42	0 14	17 12	1 42	23 8	14 41	0 21	0 1	18 4	5 13	4 26
T 29	23 1	11 40	3 7	18 38	4 48	22 6	0 48	0 28	0 1	18 36	0 49	13 0	1 48	23 41	0 14	17 12	1 42	23 8	14 41	0 24	0 3	18 5	5 12	4 25
F 30	22n55	8n19	2s11	18n42	4s45	22n15	0s45	0s42	0s 0	18n32	0n49	12n58	1n48	23s41	0s14	17n13	1s42	23s 9	14s42	0n26	0n 4	18n 5	5n10	4s25

Julian Day Number = 2110565.5, Delta T = 19m38s
Ecliptic obliquity = 23°33'27, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°43'35, Lahiri = 10°50'35 Julian Calendar 1 June 1066 == Greg. Calendar 7 June 1066

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1066
geocentric

JULY 1066 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 58 6	13♋56'57	15♍54	4°R54	19♊ 1	2♎18	10♌28	0♍47	24°R52	23♉59	5°R27	28°R53	29♍47	19♊27	6♍21	S 1
S 2	19 2 3	14°54'13	28°49	4♋31	20°14	2°52	10°41	0°53	24♐49	24° 0	5♓26	28°D53	29°44	19°34	6°28	S 2
M 3	19 5 59	15°51'29	12♎ 2	4°13	21°26	3°25	10°53	0°59	24°47	24° 2	5°25	28°R53	29°41	19°40	6°34	M 3
T 4	19 9 56	16°48'45	25°38	4° 0	22°39	3°59	11° 6	1° 5	24°45	24° 3	5°25	28♍53	29°37	19°47	6°41	T 4
W 5	19 13 53	17°46'02	9♏37	3°52	23°52	4°33	11°18	1°11	24°43	24° 5	5°24	28°51	29°34	19°54	6°48	W 5
T 6	19 17 49	18°43'19	24° 1	3°D50	25° 4	5° 7	11°31	1°17	24°41	24° 6	5°23	28°47	29°31	20° 1	6°54	T 6
F 7	19 21 46	19°40'37	8♐46	3°54	26°17	5°41	11°43	1°23	24°39	24° 8	5°22	28°41	29°28	20° 7	7° 1	F 7
S 8	19 25 42	20°37'55	23°47	4° 4	27°29	6°15	11°56	1°30	24°36	24° 9	5°22	28°32	29°25	20°14	7° 8	S 8
S 9	19 29 39	21°35'14	8♑55	4°20	28°42	6°50	12° 8	1°36	24°34	24°11	5°21	28°23	29°22	20°21	7°15	S 9
M10	19 33 35	22°32'34	24° 1	4°42	29°55	7°24	12°21	1°42	24°32	24°12	5°20	28°13	29°18	20°28	7°22	M10
T 11	19 37 32	23°29'54	8♒54	5°10	1♋ 8	7°59	12°34	1°49	24°30	24°13	5°19	28° 5	29°15	20°34	7°29	T 11
W12	19 41 28	24°27'16	23°26	5°44	2°21	8°34	12°46	1°55	24°28	24°15	5°18	27°59	29°12	20°41	7°36	W12
T 13	19 45 25	25°24'38	7♓32	6°25	3°34	9° 9	12°59	2° 2	24°26	24°16	5°17	27°55	29° 9	20°48	7°43	T 13
F 14	19 49 22	26°22'02	21° 9	7°12	4°47	9°45	13°12	2° 8	24°24	24°17	5°17	27°53	29° 6	20°54	7°50	F 14
S 15	19 53 18	27°19'27	4♈19	8° 4	6° 0	10°20	13°25	2°15	24°22	24°18	5°16	27°D53	29° 2	21° 1	7°58	S 15
S 16	19 57 15	28°16'53	17° 4	9° 3	7°13	10°56	13°38	2°21	24°21	24°20	5°15	27°54	28°59	21° 8	8° 5	S 16
M17	20 1 11	29°14'20	29°28	10° 8	8°26	11°32	13°50	2°28	24°19	24°21	5°14	27°R54	28°56	21°15	8°12	M17
T 18	20 5 8	0♌11'49	11♉38	11°18	9°39	12° 8	14° 3	2°35	24°17	24°22	5°13	27°53	28°53	21°21	8°20	T 18
W19	20 9 4	1° 9'19	23°36	12°34	10°52	12°44	14°16	2°41	24°15	24°23	5°12	27°51	28°50	21°28	8°27	W19
T 20	20 13 1	2° 6'51	5♊29	13°55	12° 5	13°20	14°29	2°48	24°13	24°24	5°11	27°46	28°47	21°35	8°35	T 20
F 21	20 16 57	3° 4'24	17°20	15°21	13°18	13°56	14°42	2°55	24°12	24°25	5°10	27°39	28°43	21°42	8°42	F 21
S 22	20 20 54	4° 1'58	29°13	16°52	14°32	14°33	14°55	3° 2	24°10	24°26	5° 9	27°30	28°40	21°48	8°50	S 22
S 23	20 24 51	4°59'34	11♋11	18°27	15°45	15° 9	15° 8	3° 9	24° 8	24°27	5° 8	27°21	28°37	21°55	8°57	S 23
M24	20 28 47	5°57'11	23°15	20° 6	16°58	15°46	15°21	3°16	24° 7	24°28	5° 7	27°11	28°34	22° 2	9° 5	M24
T 25	20 32 44	6°54'49	5♌27	21°50	18°12	16°23	15°34	3°23	24° 5	24°29	5° 6	27° 2	28°31	22° 8	9°13	T 25
W26	20 36 40	7°52'29	17°47	23°36	19°25	17° 0	15°47	3°29	24° 4	24°30	5° 5	26°55	28°28	22°15	9°21	W26
T 27	20 40 37	8°50'10	0♍18	25°26	20°39	17°37	16° 0	3°37	24° 2	24°31	5° 3	26°49	28°24	22°22	9°29	T 27
F 28	20 44 33	9°47'52	12°59	27°19	21°52	18°15	16°13	3°44	24° 1	24°32	5° 2	26°46	28°21	22°29	9°36	F 28
S 29	20 48 30	10°45'35	25°52	29°13	23° 6	18°52	16°26	3°51	23°59	24°33	5° 1	26°D45	28°18	22°35	9°44	S 29
S 30	20 52 26	11°43'20	8♎59	1♌10	24°19	19°30	16°39	3°58	23°58	24°34	5° 0	26°46	28°15	22°42	9°52	S 30
M31	20 56 23	12♌41'05	22♎20	3♌ 8	25♋33	20♎ 7	16♌52	4♍ 5	23♐56	24♉34	4♓59	26♍47	28♍12	22♊49	10♍ 0	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	22n49	4n32	1s 8	18n48	4s40	22n24	0s42	0s57	0s 2	18n29	0n49	12n56	1n48	23s41	0s14	17n13	1s42	23s 9	14s42	0n27	0n 5	18n 5	5n 8	4s24	S 1
S 2	22 43	0 28	0 0	18 55	4 34	22 32	0 40	1 11	0 3	18 26	0 49	12 54	1 48	23 41	0 14	17 13	1 42	23 10	14 42	0 27	0 6	18 6	5 6	4 24	S 2
M 3	22 37	3s43	1n 9	19 3	4 27	22 40	0 37	1 25	0 4	18 22	0 49	12 51	1 48	23 41	0 14	17 14	1 42	23 11	14 43	0 27	0 8	18 6	5 4	4 23	M 3
T 4	22 30	7 50	2 17	19 12	4 18	22 47	0 34	1 40	0 5	18 19	0 49	12 49	1 48	23 41	0 14	17 14	1 42	23 11	14 43	0 27	0 9	18 6	5 2	4 22	T 4
W 5	22 22	11 38	3 18	19 22	4 8	22 53	0 32	1 54	0 6	18 15	0 49	12 47	1 48	23 41	0 14	17 14	1 42	23 12	14 43	0 28	0 10	18 7	5 0	4 22	W 5
T 6	22 15	14 50	4 9	19 33	3 57	22 59	0 29	2 9	0 7	18 12	0 49	12 45	1 48	23 41	0 14	17 15	1 42	23 12	14 44	0 29	0 12	18 7	4 58	4 21	T 6
F 7	22 6	17 11	4 45	19 45	3 45	23 4	0 26	2 23	0 8	18 8	0 49	12 42	1 47	23 41	0 14	17 15	1 42	23 13	14 44	0 32	0 13	18 7	4 56	4 21	F 7
S 8	21 58	18 23	5 2	19 58	3 32	23 8	0 24	2 38	0 9	18 5	0 49	12 40	1 47	23 41	0 14	17 15	1 42	23 13	14 44	0 35	0 14	18 8	4 54	4 20	S 8
S 9	21 49	18 18	4 58	20 11	3 19	23 12	0 21	2 53	0 10	18 1	0 49	12 38	1 47	23 41	0 14	17 16	1 42	23 14	14 44	0 39	0 15	18 8	4 52	4 20	S 9
M10	21 40	16 56	4 33	20 24	3 5	23 15	0 18	3 8	0 11	17 58	0 49	12 35	1 47	23 41	0 14	17 16	1 42	23 14	14 45	0 43	0 17	18 8	4 50	4 19	M10
T 11	21 30	14 25	3 50	20 37	2 50	23 17	0 16	3 22	0 12	17 54	0 49	12 33	1 47	23 41	0 14	17 16	1 42	23 15	14 45	0 46	0 18	18 9	4 48	4 19	T 11
W12	21 20	11 3	2 53	20 51	2 35	23 19	0 13	3 37	0 13	17 51	0 49	12 31	1 47	23 40	0 14	17 16	1 42	23 16	14 45	0 48	0 19	18 9	4 46	4 18	W12
T 13	21 10	7 8	1 46	21 4	2 20	23 20	0 10	3 52	0 14	17 47	0 49	12 28	1 47	23 40	0 14	17 17	1 42	23 16	14 45	0 50	0 20	18 9	4 44	4 18	T 13
F 14	20 59	2 59	0 36	21 17	2 4	23 20	0 8	4 7	0 15	17 43	0 49	12 26	1 47	23 40	0 14	17 17	1 42	23 17	14 46	0 51	0 22	18 10	4 41	4 17	F 14
S 15	20 48	1n12	0s34	21 30	1 49	23 20	0 5	4 22	0 16	17 40	0 49	12 23	1 47	23 40	0 14	17 17	1 42	23 17	14 46	0 51	0 23	18 10	4 39	4 17	S 15
S 16	20 36	5 11	1 41	21 41	1 34	23 19	0 2	4 37	0 17	17 36	0 49	12 21	1 47	23 40	0 14	17 17	1 42	23 18	14 46	0 50	0 24	18 10	4 37	4 16	S 16
M17	20 25	8 50	2 41	21 52	1 18	23 17	0n 0	4 52	0 18	17 32	0 49	12 19	1 47	23 40	0 14	17 18	1 42	23 18	14 46	0 50	0 26	18 11	4 35	4 16	M17
T 18	20 13	12 2	3 32	22 2	1 3	23 15	0 3	5 7	0 19	17 29	0 49	12 16	1 47	23 40	0 14	17 18	1 43	23 19	14 47	0 51	0 27	18 11	4 32	4 15	T 18
W19	20 0	14 41	4 13	22 10	0 48	23 12	0 5	5 22	0 20	17 25	0 49	12 14	1 47	23 40	0 14	17 18	1 43	23 20	14 47	0 52	0 28	18 11	4 30	4 15	W19
T 20	19 47	16 41	4 43	22 16	0 34	23 8	0 8	5 37	0 21	17 21	0 49	12 11	1 47	23 40	0 14	17 18	1 43	23 20	14 47	0 54	0 29	18 12	4 28	4 15	T 20
F 21	19 34	17 58	5 1	22 21	0 20	23 4	0 11	5 52	0 22	17 17	0 49	12 9	1 47	23 40	0 14	17 19	1 43	23 21	14 47	0 56	0 31	18 12	4 25	4 14	F 21
S 22	19 21	18 28	5 5	22 23	0 6	22 59	0 13	6 7	0 23	17 14	0 49	12 6	1 47	23 40	0 14	17 19	1 43	23 21	14 48	1 0	0 32	18 12	4 23	4 14	S 22
S 23	19 7	18 9	4 57	22 24	0n 7	22 53	0 16	6 22	0 24	17 10	0 49	12 4	1 47	23 40	0 14	17 19	1 43	23 22	14 48	1 4	0 33	18 13	4 20	4 13	S 23
M24	18 53	17 2	4 35	22 22	0 19	22 46	0 18	6 37	0 25	17 6	0 50	12 1	1 47	23 40	0 14	17 19	1 43	23 23	14 48	1 8	0 34	18 13	4 18	4 13	M24
T 25	18 38	15 7	4 0	22 17	0 31	22 39	0 21	6 52	0 26	17 2	0 50	11 58	1 47	23 39	0 14	17 19	1 43	23 23	14 48	1 11	0 36	18 13	4 15	4 12	T 25
W26	18 23	12 30	3 14	22 10	0 42	22 31	0 23	7 7	0 27	16 58	0 50	11 56	1 47	23 39	0 14	17 20	1 43	23 24	14 48	1 14	0 37	18 13	4 13	4 12	W26
T 27	18 8	9 16	2 18	22 0	0 52	22 23	0 25	7 22	0 27	16 55	0 50	11 53	1 47	23 39	0 14	17 20	1 43	23 24	14 49	1 16	0 38	18 14	4 10	4 12	T 27
F 28	17 53	5 35	1 14	21 48	1 1	22 14	0 28	7 37	0 28	16 51	0 50	11 51	1 47	23 39	0 14	17 20	1 43	23 25	14 49	1 17	0 39	18 14	4 8	4 11	F 28
S 29	17 37	1 35	0 5	21 33	1 10	22 4	0 30	7 53	0 29	16 47	0 50	11 48	1 47	23 39	0 14	17 20	1 43	23 26	14 49	1 18	0 41	18 14	4 5	4 11	S 29
S 30	17 21	2s34	1n 6	21 15	1 17	21 54	0 33	8 8	0 30	16 43	0 50	11 46	1 47	23 39	0 14	17 20	1 43	23 26	14 49	1 18	0 42	18 14	4 3	4 10	S 30
M31	17n 5	6s40	2n14	20n55	1n24	21n42	0n35	8s23	0s31	16n39	0n50	11n43	1n47	23s39	0s14	17n20	1s43	23s27	14s49	1n17	0n43	18n15	4n 0	4s10	M31

Julian Day Number = 2110595.5, Delta T = 19m38s
Ecliptic obliquity = 23°33'27, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°43'39, Lahiri = 10°50'39 Julian Calendar 1 July 1066 == Greg. Calendar 7 July 1066

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1066
geocentric

AUGUST 1066 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 0 20	13♌38'52	5♏57	5♌ 7	26♋47	20♎45	17♌ 5	4♍12	23°R55	24♉35	4°R58	26♍48	28♍ 8	22♊55	10♍ 8	T 1
W 2	21 4 16	14°36'40	19°52	7° 6	28° 0	21°23	17°18	4°19	23♐54	24°36	4♓57	26°R48	28° 5	23° 2	10°16	W 2
T 3	21 8 13	15°34'29	4♐ 4	9° 7	29°14	22° 1	17°31	4°26	23°53	24°36	4°56	26°47	28° 2	23° 9	10°24	T 3
F 4	21 12 9	16°32'20	18°32	11° 7	0♌28	22°40	17°44	4°34	23°52	24°37	4°54	26°44	27°59	23°16	10°32	F 4
S 5	21 16 6	17°30'11	3♑11	13° 7	1°42	23°18	17°58	4°41	23°50	24°38	4°53	26°39	27°56	23°22	10°41	S 5
S 6	21 20 2	18°28'05	17°57	15° 7	2°55	23°56	18°11	4°48	23°49	24°38	4°52	26°34	27°53	23°29	10°49	S 6
M 7	21 23 59	19°25'59	2♒41	17° 6	4° 9	24°35	18°24	4°55	23°48	24°39	4°51	26°28	27°49	23°36	10°57	M 7
T 8	21 27 55	20°23'55	17°17	19° 5	5°23	25°14	18°37	5° 3	23°47	24°39	4°50	26°23	27°46	23°43	11° 5	T 8
W 9	21 31 52	21°21'52	1♓37	21° 2	6°37	25°53	18°50	5°10	23°46	24°40	4°49	26°20	27°43	23°49	11°14	W 9
T 10	21 35 49	22°19'52	15°36	22°59	7°51	26°31	19° 3	5°17	23°45	24°40	4°47	26°18	27°40	23°56	11°22	T 10
F 11	21 39 45	23°17'53	29°10	24°55	9° 5	27°11	19°16	5°25	23°45	24°41	4°46	26°D17	27°37	24° 3	11°30	F 11
S 12	21 43 42	24°15'55	12♈21	26°50	10°19	27°50	19°29	5°32	23°44	24°41	4°45	26°18	27°34	24° 9	11°39	S 12
S 13	21 47 38	25°14'00	25° 9	28°43	11°33	28°29	19°42	5°40	23°43	24°41	4°44	26°20	27°30	24°16	11°47	S 13
M14	21 51 35	26°12'07	7♉36	0♍36	12°47	29° 8	19°55	5°47	23°42	24°42	4°42	26°21	27°27	24°23	11°55	M14
T 15	21 55 31	27°10'15	19°48	2°27	14° 2	29°48	20° 8	5°54	23°42	24°42	4°41	26°22	27°24	24°30	12° 4	T 15
W16	21 59 28	28° 8'26	1♊49	4°18	15°16	0♏28	20°21	6° 2	23°41	24°42	4°40	26°R23	27°21	24°36	12°12	W16
T 17	22 3 24	29° 6'39	13°43	6° 7	16°30	1° 7	20°34	6° 9	23°40	24°42	4°39	26°22	27°18	24°43	12°21	T 17
F 18	22 7 21	0♍ 4'54	25°36	7°54	17°44	1°47	20°47	6°17	23°40	24°43	4°38	26°19	27°14	24°50	12°29	F 18
S 19	22 11 18	1° 3'11	7♋31	9°41	18°59	2°27	21° 0	6°24	23°39	24°43	4°36	26°16	27°11	24°56	12°38	S 19
S 20	22 15 14	2° 1'30	19°32	11°27	20°13	3° 7	21°13	6°32	23°39	24°43	4°35	26°12	27° 8	25° 3	12°46	S 20
M21	22 19 11	2°59'51	1♌42	13°11	21°27	3°47	21°26	6°39	23°39	24°43	4°34	26° 8	27° 5	25°10	12°55	M21
T 22	22 23 7	3°58'14	14° 4	14°54	22°42	4°28	21°39	6°47	23°38	24°43	4°33	26° 5	27° 2	25°17	13° 3	T 22
W23	22 27 4	4°56'39	26°39	16°36	23°56	5° 8	21°52	6°54	23°38	24°R43	4°31	26° 2	26°59	25°23	13°12	W23
T 24	22 31 0	5°55'06	9♍27	18°17	25°11	5°49	22° 5	7° 2	23°38	24°43	4°30	26° 0	26°55	25°30	13°20	T 24
F 25	22 34 57	6°53'35	22°29	19°57	26°25	6°29	22°18	7° 9	23°38	24°43	4°29	25°D59	26°52	25°37	13°29	F 25
S 26	22 38 53	7°52'05	5♎44	21°36	27°40	7°10	22°31	7°16	23°38	24°43	4°28	26° 0	26°49	25°44	13°37	S 26
S 27	22 42 50	8°50'38	19°12	23°13	28°54	7°51	22°43	7°24	23°38	24°43	4°26	26° 1	26°46	25°50	13°46	S 27
M28	22 46 46	9°49'12	2♏52	24°50	0♍ 9	8°32	22°56	7°31	23°D37	24°42	4°25	26° 2	26°43	25°57	13°55	M28
T 29	22 50 43	10°47'48	16°43	26°26	1°23	9°13	23° 9	7°39	23°38	24°42	4°24	26° 3	26°39	26° 4	14° 3	T 29
W30	22 54 40	11°46'25	0♐44	28° 0	2°38	9°54	23°22	7°46	23°38	24°42	4°23	26° 4	26°36	26°10	14°12	W30
T 31	22 58 36	12♍45'05	14♐53	29♍34	3♍53	10♏35	23♌35	7♍54	23♐38	24♉42	4♓21	26°R 4	26♍33	26♊17	14♍21	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n49	10s29	3n16	20n32	1n29	21n31	0n37	8s38	0s32	16n35	0n50	11n40	1n47	23s39	0s14	17n20	1s43	23s27	14s49	1n17	0n45	18n15	3n57	4s10
W 2	16 32	13 48	4 8	20 6	1 34	21 18	0 39	8 53	0 33	16 31	0 50	11 38	1 47	23 39	0 14	17 21	1 43	23 28	14 50	1 17	0 46	18 15	3 55	4 9
T 3	16 15	16 23	4 46	19 39	1 38	21 5	0 42	9 8	0 33	16 27	0 50	11 35	1 47	23 39	0 14	17 21	1 43	23 28	14 50	1 17	0 47	18 16	3 52	4 9
F 4	15 57	17 58	5 7	19 9	1 41	20 52	0 44	9 23	0 34	16 23	0 50	11 32	1 47	23 39	0 14	17 21	1 43	23 29	14 50	1 18	0 48	18 16	3 49	4 8
S 5	15 40	18 23	5 8	18 37	1 44	20 37	0 46	9 38	0 35	16 19	0 50	11 30	1 47	23 39	0 14	17 21	1 43	23 30	14 50	1 20	0 50	18 16	3 46	4 8
S 6	15 22	17 34	4 49	18 4	1 45	20 23	0 48	9 53	0 36	16 15	0 50	11 27	1 47	23 39	0 14	17 21	1 44	23 30	14 50	1 22	0 51	18 16	3 44	4 8
M 7	15 4	15 35	4 11	17 29	1 46	20 7	0 50	10 8	0 37	16 11	0 50	11 24	1 47	23 39	0 14	17 21	1 44	23 31	14 50	1 25	0 52	18 17	3 41	4 7
T 8	14 46	12 37	3 16	16 52	1 47	19 51	0 52	10 23	0 37	16 7	0 50	11 22	1 47	23 39	0 14	17 21	1 44	23 31	14 50	1 27	0 53	18 17	3 38	4 7
W 9	14 27	8 55	2 10	16 14	1 46	19 35	0 54	10 38	0 38	16 3	0 50	11 19	1 47	23 39	0 14	17 21	1 44	23 32	14 50	1 28	0 55	18 17	3 35	4 7
T 10	14 8	4 49	0 58	15 35	1 45	19 17	0 56	10 53	0 39	15 59	0 51	11 16	1 47	23 39	0 14	17 21	1 44	23 32	14 51	1 29	0 56	18 17	3 32	4 6
F 11	13 49	0 34	0s16	14 54	1 43	19 0	0 57	11 8	0 40	15 55	0 51	11 14	1 47	23 38	0 14	17 21	1 44	23 33	14 51	1 29	0 57	18 18	3 30	4 6
S 12	13 30	3n34	1 27	14 13	1 41	18 42	0 59	11 23	0 40	15 51	0 51	11 11	1 47	23 38	0 14	17 21	1 44	23 33	14 51	1 29	0 59	18 18	3 27	4 6
S 13	13 10	7 26	2 31	13 31	1 39	18 23	1 1	11 38	0 41	15 47	0 51	11 8	1 47	23 38	0 14	17 21	1 44	23 34	14 51	1 28	1 0	18 18	3 24	4 5
M14	12 51	10 51	3 27	12 48	1 35	18 3	1 3	11 52	0 42	15 43	0 51	11 5	1 47	23 38	0 14	17 21	1 44	23 35	14 51	1 27	1 1	18 18	3 21	4 5
T 15	12 31	13 44	4 12	12 5	1 32	17 44	1 4	12 7	0 43	15 39	0 51	11 3	1 47	23 38	0 14	17 21	1 44	23 35	14 51	1 27	1 2	18 18	3 18	4 5
W16	12 11	15 58	4 45	11 21	1 28	17 23	1 6	12 22	0 43	15 35	0 51	11 0	1 47	23 38	0 14	17 21	1 44	23 36	14 51	1 27	1 4	18 19	3 15	4 5
T 17	11 50	17 30	5 6	10 36	1 23	17 2	1 7	12 37	0 44	15 31	0 51	10 57	1 47	23 38	0 14	17 21	1 44	23 36	14 51	1 27	1 5	18 19	3 12	4 4
F 18	11 30	18 16	5 13	9 52	1 19	16 41	1 9	12 51	0 45	15 27	0 51	10 54	1 47	23 38	0 14	17 21	1 44	23 37	14 51	1 28	1 6	18 19	3 9	4 4
S 19	11 9	18 14	5 8	9 7	1 14	16 19	1 10	13 6	0 45	15 23	0 51	10 52	1 47	23 38	0 14	17 21	1 44	23 37	14 51	1 29	1 7	18 19	3 6	4 4
S 20	10 48	17 22	4 48	8 21	1 8	15 57	1 12	13 20	0 46	15 18	0 51	10 49	1 47	23 38	0 14	17 21	1 44	23 38	14 51	1 31	1 9	18 20	3 3	4 3
M21	10 27	15 43	4 16	7 36	1 3	15 34	1 13	13 35	0 47	15 14	0 51	10 46	1 47	23 38	0 14	17 21	1 44	23 38	14 51	1 32	1 10	18 20	3 0	4 3
T 22	10 6	13 20	3 31	6 51	0 57	15 11	1 14	13 49	0 47	15 10	0 52	10 43	1 47	23 38	0 14	17 21	1 44	23 39	14 51	1 34	1 11	18 20	2 57	4 3
W23	9 45	10 16	2 35	6 5	0 50	14 47	1 15	14 3	0 48	15 6	0 52	10 41	1 47	23 38	0 14	17 21	1 44	23 39	14 51	1 35	1 12	18 20	2 54	4 3
T 24	9 23	6 41	1 30	5 20	0 44	14 23	1 16	14 17	0 49	15 2	0 52	10 38	1 47	23 38	0 14	17 21	1 44	23 40	14 51	1 36	1 14	18 20	2 51	4 2
F 25	9 1	2 42	0 19	4 35	0 38	13 59	1 17	14 32	0 49	14 58	0 52	10 35	1 47	23 38	0 14	17 21	1 45	23 40	14 51	1 36	1 15	18 21	2 48	4 2
S 26	8 40	1s28	0n54	3 49	0 31	13 34	1 18	14 46	0 50	14 54	0 52	10 32	1 47	23 38	0 14	17 21	1 45	23 41	14 51	1 36	1 16	18 21	2 45	4 2
S 27	8 18	5 38	2 5	3 4	0 24	13 9	1 19	15 0	0 51	14 50	0 52	10 30	1 47	23 38	0 14	17 21	1 45	23 41	14 51	1 36	1 18	18 21	2 42	4 2
M28	7 56	9 33	3 10	2 19	0 17	12 44	1 20	15 13	0 51	14 45	0 52	10 27	1 47	23 38	0 14	17 21	1 45	23 42	14 51	1 35	1 19	18 21	2 39	4 2
T 29	7 33	13 0	4 5	1 35	0 10	12 18	1 21	15 27	0 52	14 41	0 52	10 24	1 47	23 38	0 14	17 21	1 45	23 42	14 51	1 35	1 20	18 21	2 36	4 1
W30	7 11	15 44	4 46	0 50	0 3	11 51	1 22	15 41	0 52	14 37	0 52	10 21	1 48	23 38	0 14	17 21	1 45	23 43	14 51	1 34	1 21	18 22	2 32	4 1
T 31	6n48	17s33	5n10	0n 6	0s 5	11n25	1n22	15s55	0s53	14n33	0n52	10n19	1n48	23s38	0s14	17n20	1s45	23s43	14s51	1n34	1n23	18n22	2n29	4s 1

Julian Day Number = 2110626.5, Delta T = 19m38s
Ecliptic obliquity = 23°33'28, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°43'43, Lahiri = 10°50'44 Julian Calendar 1 Aug. 1066 == Greg. Calendar 7 Aug. 1066

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1066
geocentric

SEPTEMBER 1066 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 2 33	13♍43'46	29♐ 8	1♎ 6	5♍ 7	11♏17	23♌47	8♍ 1	23♐38	24°R41	4°R20	26°R 4	26♍30	26♊24	14♍29	F 1
S 2	23 6 29	14°42'29	13♑27	2°38	6°22	11°58	24° 0	8° 9	23°38	24♉41	4♓19	26♍ 3	26°27	26°31	14°38	S 2
S 3	23 10 26	15°41'13	27°47	4° 8	7°37	12°40	24°12	8°16	23°38	24°41	4°18	26° 1	26°24	26°37	14°46	S 3
M 4	23 14 22	16°39'59	12♒ 3	5°38	8°51	13°21	24°25	8°24	23°39	24°40	4°17	26° 0	26°20	26°44	14°55	M 4
T 5	23 18 19	17°38'47	26°12	7° 7	10° 6	14° 3	24°38	8°31	23°39	24°40	4°15	25°59	26°17	26°51	15° 4	T 5
W 6	23 22 15	18°37'37	10♓ 8	8°34	11°21	14°45	24°50	8°38	23°40	24°39	4°14	25°59	26°14	26°58	15°12	W 6
T 7	23 26 12	19°36'29	23°49	10° 1	12°36	15°27	25° 3	8°46	23°40	24°39	4°13	25°D58	26°11	27° 4	15°21	T 7
F 8	23 30 9	20°35'23	7♈11	11°26	13°51	16° 9	25°15	8°53	23°41	24°38	4°12	25°58	26° 8	27°11	15°30	F 8
S 9	23 34 5	21°34'19	20°15	12°50	15° 5	16°51	25°27	9° 1	23°41	24°38	4°11	25°59	26° 5	27°18	15°38	S 9
S 10	23 38 2	22°33'18	3♉ 0	14°14	16°20	17°33	25°40	9° 8	23°42	24°37	4° 9	25°59	26° 1	27°24	15°47	S 10
M11	23 41 58	23°32'18	15°28	15°36	17°35	18°15	25°52	9°15	23°43	24°37	4° 8	26° 0	25°58	27°31	15°55	M11
T 12	23 45 55	24°31'21	27°41	16°57	18°50	18°57	26° 4	9°23	23°43	24°36	4° 7	26° 0	25°55	27°38	16° 4	T 12
W13	23 49 51	25°30'26	9♊43	18°17	20° 5	19°40	26°16	9°30	23°44	24°35	4° 6	26° 0	25°52	27°45	16°13	W13
T 14	23 53 48	26°29'34	21°38	19°35	21°20	20°22	26°29	9°37	23°45	24°35	4° 5	26° 0	25°49	27°51	16°21	T 14
F 15	23 57 44	27°28'44	3♋31	20°53	22°35	21° 5	26°41	9°44	23°46	24°34	4° 4	26° 0	25°45	27°58	16°30	F 15
S 16	0 1 41	28°27'56	15°27	22° 9	23°50	21°48	26°53	9°52	23°47	24°33	4° 3	26° 0	25°42	28° 5	16°38	S 16
S 17	0 5 38	29°27'11	27°29	23°23	25° 5	22°31	27° 5	9°59	23°48	24°32	4° 2	26° 0	25°39	28°11	16°47	S 17
M18	0 9 34	0♎26'28	9♌42	24°36	26°20	23°13	27°17	10° 6	23°49	24°32	4° 0	26° 1	25°36	28°18	16°55	M18
T 19	0 13 31	1°25'47	22°10	25°47	27°35	23°56	27°29	10°13	23°50	24°31	3°59	26° 1	25°33	28°25	17° 4	T 19
W20	0 17 27	2°25'09	4♍55	26°57	28°50	24°40	27°40	10°20	23°51	24°30	3°58	26° 2	25°30	28°32	17°12	W20
T 21	0 21 24	3°24'32	17°59	28° 5	0♎ 5	25°23	27°52	10°27	23°52	24°29	3°57	26° 2	25°26	28°38	17°21	T 21
F 22	0 25 20	4°23'58	1♎21	29°10	1°20	26° 6	28° 4	10°35	23°54	24°28	3°56	26°R 2	25°23	28°45	17°29	F 22
S 23	0 29 17	5°23'26	15° 2	0♏13	2°35	26°49	28°16	10°42	23°55	24°27	3°55	26° 2	25°20	28°52	17°38	S 23
S 24	0 33 13	6°22'56	28°58	1°14	3°51	27°33	28°27	10°49	23°56	24°26	3°54	26° 1	25°17	28°59	17°46	S 24
M25	0 37 10	7°22'28	13♏ 5	2°12	5° 6	28°16	28°39	10°56	23°58	24°25	3°53	26° 0	25°14	29° 5	17°54	M25
T 26	0 41 6	8°22'02	27°20	3° 7	6°21	29° 0	28°50	11° 3	23°59	24°24	3°52	25°58	25°11	29°12	18° 3	T 26
W27	0 45 3	9°21'38	11♐39	3°59	7°36	29°43	29° 2	11° 9	24° 1	24°23	3°51	25°57	25° 7	29°19	18°11	W27
T 28	0 49 0	10°21'15	25°56	4°48	8°51	0♐27	29°13	11°16	24° 2	24°22	3°50	25°56	25° 4	29°25	18°19	T 28
F 29	0 52 56	11°20'55	10♑11	5°32	10° 6	1°11	29°24	11°23	24° 4	24°21	3°49	25°D55	25° 1	29°32	18°28	F 29
S 30	0 56 53	12♎20'36	24♑19	6♏12	11♎22	1♐55	29♌35	11♍30	24♐ 5	24♉20	3♓48	25♍55	24♍58	29♊39	18♍36	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6n26	18s17	5n16	0s37	0s12	10n58	1n23	16s 8	0s54	14n29	0n53	10n16	1n48	23s38	0s14	17n20	1s45	23s43	14s51	1n34	1n24	18n22	2n26	4s 1
S 2	6 3	17 52	5 2	1 21	0 19	10 31	1 24	16 22	0 54	14 25	0 53	10 13	1 48	23 38	0 14	17 20	1 45	23 44	14 51	1 35	1 25	18 22	2 23	4 1
S 3	5 40	16 18	4 29	2 4	0 27	10 3	1 24	16 35	0 55	14 21	0 53	10 10	1 48	23 38	0 14	17 20	1 45	23 44	14 51	1 35	1 26	18 22	2 20	4 0
M 4	5 17	13 45	3 40	2 47	0 34	9 36	1 25	16 48	0 55	14 17	0 53	10 8	1 48	23 38	0 14	17 20	1 45	23 45	14 51	1 36	1 28	18 22	2 17	4 0
T 5	4 54	10 23	2 38	3 29	0 42	9 8	1 25	17 1	0 56	14 13	0 53	10 5	1 48	23 38	0 14	17 20	1 45	23 45	14 51	1 36	1 29	18 23	2 14	4 0
W 6	4 31	6 28	1 27	4 10	0 50	8 39	1 25	17 14	0 57	14 8	0 53	10 2	1 48	23 38	0 14	17 20	1 45	23 46	14 51	1 36	1 30	18 23	2 10	4 0
T 7	4 8	2 17	0 12	4 51	0 57	8 11	1 25	17 27	0 57	14 4	0 53	10 0	1 48	23 38	0 14	17 19	1 45	23 46	14 51	1 36	1 32	18 23	2 7	4 0
F 8	3 45	1n55	1s 2	5 32	1 5	7 42	1 26	17 40	0 58	14 0	0 53	9 57	1 48	23 38	0 14	17 19	1 45	23 46	14 51	1 36	1 33	18 23	2 4	4 0
S 9	3 21	5 56	2 11	6 12	1 12	7 13	1 26	17 53	0 58	13 56	0 53	9 54	1 48	23 38	0 14	17 19	1 45	23 47	14 51	1 36	1 34	18 23	2 1	3 59
S 10	2 58	9 35	3 11	6 52	1 20	6 44	1 26	18 5	0 59	13 52	0 54	9 51	1 48	23 38	0 14	17 19	1 45	23 47	14 51	1 36	1 35	18 23	1 58	3 59
M11	2 35	12 42	4 1	7 30	1 27	6 14	1 26	18 18	0 59	13 48	0 54	9 49	1 48	23 38	0 14	17 19	1 45	23 47	14 51	1 36	1 37	18 24	1 54	3 59
T 12	2 11	15 12	4 39	8 9	1 34	5 45	1 25	18 30	1 0	13 44	0 54	9 46	1 49	23 38	0 14	17 19	1 45	23 48	14 51	1 36	1 38	18 24	1 51	3 59
W13	1 48	17 0	5 5	8 46	1 42	5 15	1 25	18 42	1 0	13 40	0 54	9 43	1 49	23 38	0 14	17 18	1 46	23 48	14 51	1 36	1 39	18 24	1 48	3 59
T 14	1 24	18 2	5 16	9 23	1 49	4 45	1 25	18 54	1 1	13 36	0 54	9 41	1 49	23 38	0 14	17 18	1 46	23 48	14 50	1 36	1 40	18 24	1 45	3 59
F 15	1 0	18 16	5 14	9 59	1 56	4 15	1 25	19 6	1 1	13 32	0 54	9 38	1 49	23 38	0 14	17 18	1 46	23 49	14 50	1 36	1 42	18 24	1 42	3 59
S 16	0 37	17 42	4 59	10 34	2 3	3 45	1 24	19 18	1 2	13 28	0 54	9 35	1 49	23 38	0 14	17 18	1 46	23 49	14 50	1 36	1 43	18 24	1 38	3 59
S 17	0 13	16 21	4 31	11 8	2 9	3 15	1 24	19 29	1 2	13 24	0 54	9 33	1 49	23 39	0 14	17 17	1 46	23 49	14 50	1 36	1 44	18 24	1 35	3 58
M18	0s11	14 13	3 50	11 41	2 16	2 44	1 23	19 41	1 3	13 20	0 55	9 30	1 49	23 39	0 14	17 17	1 46	23 50	14 50	1 36	1 45	18 24	1 32	3 58
T 19	0 34	11 24	2 57	12 13	2 22	2 14	1 23	19 52	1 3	13 16	0 55	9 27	1 49	23 39	0 14	17 17	1 46	23 50	14 50	1 35	1 47	18 25	1 29	3 58
W20	0 58	7 59	1 54	12 44	2 28	1 43	1 22	20 3	1 3	13 12	0 55	9 25	1 49	23 39	0 14	17 17	1 46	23 50	14 50	1 35	1 48	18 25	1 26	3 58
T 21	1 22	4 6	0 45	13 14	2 34	1 13	1 22	20 14	1 4	13 8	0 55	9 22	1 50	23 39	0 14	17 16	1 46	23 51	14 50	1 35	1 49	18 25	1 22	3 58
F 22	1 45	0s 6	0n29	13 43	2 40	0 42	1 21	20 25	1 4	13 4	0 55	9 20	1 50	23 39	0 14	17 16	1 46	23 51	14 49	1 35	1 51	18 25	1 19	3 58
S 23	2 9	4 22	1 43	14 11	2 45	0 11	1 20	20 36	1 5	13 0	0 55	9 17	1 50	23 39	0 14	17 16	1 46	23 51	14 49	1 35	1 52	18 25	1 16	3 58
S 24	2 33	8 28	2 52	14 37	2 50	0s20	1 19	20 46	1 5	12 56	0 55	9 15	1 50	23 39	0 14	17 16	1 46	23 51	14 49	1 36	1 53	18 25	1 13	3 58
M25	2 56	12 9	3 52	15 1	2 54	0 50	1 18	20 56	1 6	12 52	0 56	9 12	1 50	23 39	0 14	17 15	1 46	23 51	14 49	1 36	1 54	18 25	1 9	3 58
T 26	3 20	15 9	4 38	15 24	2 58	1 21	1 17	21 6	1 6	12 48	0 56	9 9	1 50	23 39	0 14	17 15	1 46	23 52	14 49	1 37	1 56	18 25	1 6	3 58
W27	3 44	17 14	5 6	15 46	3 2	1 52	1 16	21 16	1 6	12 45	0 56	9 7	1 50	23 39	0 14	17 15	1 46	23 52	14 49	1 37	1 57	18 25	1 3	3 58
T 28	4 7	18 14	5 16	16 5	3 5	2 23	1 15	21 26	1 7	12 41	0 56	9 4	1 50	23 39	0 14	17 14	1 46	23 52	14 48	1 38	1 58	18 26	1 0	3 58
F 29	4 31	18 4	5 6	16 22	3 7	2 53	1 14	21 35	1 7	12 37	0 56	9 2	1 51	23 39	0 14	17 14	1 46	23 52	14 48	1 38	1 59	18 26	0 57	3 58
S 30	4s54	16s48	4n38	16s37	3s 9	3s24	1n13	21s45	1s 7	12n33	0n56	8n59	1n51	23s39	0s14	17n14	1s46	23s52	14s48	1n38	2n 1	18n26	0n53	3s58

Julian Day Number = 2110657.5, Delta T = 19m37s
Ecliptic obliquity = 23°33'28, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°43'47, Lahiri = 10°50'48 Julian Calendar 1 Sept. 1066 == Greg. Calendar 7 Sept. 1066

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1066
geocentric

OCTOBER 1066 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 0 49	13♎20'18	8♒19	6♏47	12♎37	2♐39	29♌46	11♍37	24♐ 7	24°R18	3°R47	25♍56	24♍55	29♊46	18♍44	S 1
M 2	1 4 46	14°20'03	22° 9	7°17	13°52	3°23	29°57	11°43	24° 9	24♉17	3♓47	25°58	24°51	29°52	18°52	M 2
T 3	1 8 42	15°19'49	5♓49	7°42	15° 7	4° 7	0♍ 8	11°50	24°11	24°16	3°46	25°59	24°48	29°59	19° 0	T 3
W 4	1 12 39	16°19'37	19°18	7°59	16°23	4°51	0°19	11°57	24°12	24°15	3°45	26°R 0	24°45	0♋ 6	19° 8	W 4
T 5	1 16 35	17°19'27	2♈34	8°10	17°38	5°35	0°30	12° 3	24°14	24°13	3°44	26° 0	24°42	0°12	19°16	T 5
F 6	1 20 32	18°19'18	15°38	8°R14	18°53	6°20	0°41	12°10	24°16	24°12	3°43	25°59	24°39	0°19	19°24	F 6
S 7	1 24 29	19°19'12	28°27	8° 9	20° 8	7° 4	0°51	12°16	24°18	24°11	3°42	25°56	24°36	0°26	19°32	S 7
S 8	1 28 25	20°19'08	11♉ 3	7°56	21°23	7°48	1° 2	12°23	24°20	24° 9	3°42	25°53	24°32	0°33	19°40	S 8
M 9	1 32 22	21°19'05	23°25	7°33	22°39	8°33	1°12	12°29	24°22	24° 8	3°41	25°49	24°29	0°39	19°48	M 9
T 10	1 36 18	22°19'05	5♊36	7° 2	23°54	9°18	1°23	12°36	24°24	24° 7	3°40	25°44	24°26	0°46	19°56	T 10
W11	1 40 15	23°19'07	17°37	6°21	25° 9	10° 2	1°33	12°42	24°26	24° 5	3°39	25°40	24°23	0°53	20° 4	W11
T 12	1 44 11	24°19'12	29°32	5°30	26°25	10°47	1°43	12°48	24°29	24° 4	3°39	25°36	24°20	1° 0	20°12	T 12
F 13	1 48 8	25°19'18	11♋23	4°32	27°40	11°32	1°53	12°54	24°31	24° 3	3°38	25°34	24°16	1° 6	20°19	F 13
S 14	1 52 4	26°19'26	23°17	3°25	28°55	12°17	2° 3	13° 0	24°33	24° 1	3°37	25°D33	24°13	1°13	20°27	S 14
S 15	1 56 1	27°19'37	5♌17	2°13	0♏10	13° 2	2°13	13° 6	24°35	24° 0	3°37	25°33	24°10	1°20	20°35	S 15
M16	1 59 58	28°19'50	17°28	0°56	1°26	13°47	2°23	13°12	24°38	23°58	3°36	25°34	24° 7	1°26	20°42	M16
T 17	2 3 54	29°20'04	29°55	29♎37	2°41	14°32	2°33	13°18	24°40	23°57	3°35	25°36	24° 4	1°33	20°50	T 17
W18	2 7 51	0♏20'21	12♍43	28°19	3°56	15°17	2°42	13°24	24°42	23°55	3°35	25°38	24° 1	1°40	20°57	W18
T 19	2 11 47	1°20'40	25°54	27° 4	5°12	16° 2	2°52	13°30	24°45	23°54	3°34	25°R38	23°57	1°47	21° 5	T 19
F 20	2 15 44	2°21'00	9♎30	25°53	6°27	16°47	3° 1	13°36	24°47	23°52	3°34	25°37	23°54	1°53	21°12	F 20
S 21	2 19 40	3°21'23	23°29	24°51	7°42	17°32	3°10	13°42	24°50	23°50	3°33	25°35	23°51	2° 0	21°20	S 21
S 22	2 23 37	4°21'47	7♏50	23°57	8°58	18°18	3°20	13°47	24°53	23°49	3°33	25°30	23°48	2° 7	21°27	S 22
M23	2 27 33	5°22'13	22°27	23°15	10°13	19° 3	3°29	13°53	24°55	23°47	3°32	25°24	23°45	2°13	21°34	M23
T 24	2 31 30	6°22'41	7♐11	22°43	11°28	19°49	3°38	13°58	24°58	23°46	3°32	25°18	23°42	2°20	21°41	T 24
W25	2 35 26	7°23'10	21°56	22°23	12°44	20°34	3°46	14° 4	25° 0	23°44	3°31	25°11	23°38	2°27	21°48	W25
T 26	2 39 23	8°23'41	6♑35	22°D15	13°59	21°20	3°55	14° 9	25° 3	23°42	3°31	25° 6	23°35	2°34	21°55	T 26
F 27	2 43 20	9°24'13	21° 0	22°18	15°15	22° 6	4° 4	14°15	25° 6	23°41	3°30	25° 3	23°32	2°40	22° 2	F 27
S 28	2 47 16	10°24'46	5♒10	22°32	16°30	22°51	4°12	14°20	25° 9	23°39	3°30	25°D 1	23°29	2°47	22° 9	S 28
S 29	2 51 13	11°25'21	19° 3	22°56	17°45	23°37	4°20	14°25	25°11	23°38	3°30	25° 1	23°26	2°54	22°16	S 29
M30	2 55 9	12°25'57	2♓39	23°28	19° 1	24°23	4°29	14°30	25°14	23°36	3°29	25° 2	23°22	3° 1	22°23	M30
T 31	2 59 6	13♏26'33	15♓58	24♎ 9	20♏16	25♐ 9	4♍37	14♍35	25♐17	23♉34	3♓29	25♍ 4	23♍19	3♋ 7	22♍30	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s17	14s31	3n54	16s50	3s10	3s55	1n11	21s54	1s 8	12n29	0n57	8n57	1n51	23s39	0s14	17n13	1s46	23s53	14s48	1n37	2n 2	18n26	0n50	3s58
M 2	5 41	11 25	2 56	17 0	3 10	4 25	1 10	22 3	1 8	12 26	0 57	8 55	1 51	23 39	0 14	17 13	1 46	23 53	14 48	1 37	2 3	18 26	0 47	3 58
T 3	6 4	7 44	1 49	17 7	3 9	4 56	1 9	22 12	1 8	12 22	0 57	8 52	1 51	23 40	0 14	17 13	1 46	23 53	14 47	1 36	2 4	18 26	0 44	3 57
W 4	6 27	3 41	0 37	17 12	3 7	5 26	1 7	22 20	1 9	12 18	0 57	8 50	1 51	23 40	0 14	17 12	1 46	23 53	14 47	1 36	2 6	18 26	0 41	3 57
T 5	6 50	0n29	0s36	17 12	3 4	5 56	1 6	22 29	1 9	12 15	0 57	8 47	1 52	23 40	0 14	17 12	1 46	23 53	14 47	1 36	2 7	18 26	0 38	3 57
F 6	7 13	4 33	1 46	17 9	3 0	6 27	1 4	22 37	1 9	12 11	0 57	8 45	1 52	23 40	0 14	17 12	1 46	23 53	14 47	1 36	2 8	18 26	0 34	3 57
S 7	7 36	8 21	2 49	17 2	2 54	6 57	1 3	22 45	1 10	12 7	0 58	8 43	1 52	23 40	0 14	17 11	1 46	23 53	14 47	1 37	2 10	18 26	0 31	3 57
S 8	7 59	11 41	3 43	16 51	2 47	7 26	1 1	22 52	1 10	12 4	0 58	8 40	1 52	23 40	0 14	17 11	1 47	23 54	14 46	1 39	2 11	18 26	0 28	3 57
M 9	8 21	14 27	4 25	16 36	2 38	7 56	0 59	23 0	1 10	12 0	0 58	8 38	1 52	23 40	0 14	17 11	1 47	23 54	14 46	1 40	2 12	18 26	0 25	3 58
T 10	8 44	16 31	4 54	16 15	2 28	8 26	0 58	23 7	1 11	11 57	0 58	8 36	1 52	23 40	0 14	17 10	1 47	23 54	14 46	1 42	2 13	18 26	0 22	3 58
W11	9 6	17 50	5 10	15 50	2 16	8 55	0 56	23 14	1 11	11 53	0 58	8 33	1 52	23 40	0 14	17 10	1 47	23 54	14 46	1 44	2 15	18 27	0 19	3 58
T 12	9 28	18 21	5 12	15 20	2 2	9 24	0 54	23 21	1 11	11 50	0 59	8 31	1 53	23 40	0 14	17 10	1 47	23 54	14 45	1 45	2 16	18 27	0 16	3 58
F 13	9 51	18 4	5 1	14 45	1 46	9 53	0 52	23 27	1 11	11 46	0 59	8 29	1 53	23 40	0 14	17 9	1 47	23 54	14 45	1 46	2 17	18 27	0 13	3 58
S 14	10 13	16 59	4 37	14 6	1 28	10 22	0 50	23 34	1 12	11 43	0 59	8 27	1 53	23 40	0 14	17 9	1 47	23 54	14 45	1 47	2 18	18 27	0 10	3 58
S 15	10 34	15 9	4 1	13 24	1 10	10 50	0 48	23 40	1 12	11 39	0 59	8 25	1 53	23 41	0 14	17 8	1 47	23 54	14 45	1 47	2 20	18 27	0 7	3 58
M16	10 56	12 36	3 13	12 38	0 50	11 18	0 46	23 46	1 12	11 36	0 59	8 22	1 53	23 41	0 14	17 8	1 47	23 54	14 44	1 46	2 21	18 27	0 4	3 58
T 17	11 18	9 26	2 16	11 51	0 29	11 46	0 44	23 51	1 12	11 33	1 0	8 20	1 54	23 41	0 14	17 8	1 47	23 54	14 44	1 45	2 22	18 27	0 1	3 58
W18	11 39	5 45	1 10	11 4	0 9	12 14	0 42	23 57	1 13	11 29	1 0	8 18	1 54	23 41	0 14	17 7	1 47	23 54	14 44	1 45	2 23	18 27	0s 2	3 58
T 19	12 0	1 40	0n 1	10 18	0n12	12 41	0 40	24 2	1 13	11 26	1 0	8 16	1 54	23 41	0 14	17 7	1 47	23 54	14 44	1 45	2 25	18 27	0 5	3 58
F 20	12 21	2s38	1 15	9 34	0 32	13 8	0 38	24 6	1 13	11 23	1 0	8 14	1 54	23 41	0 14	17 6	1 47	23 54	14 43	1 45	2 26	18 27	0 8	3 58
S 21	12 42	6 55	2 26	8 53	0 50	13 35	0 36	24 11	1 13	11 20	1 0	8 12	1 54	23 41	0 14	17 6	1 47	23 54	14 43	1 46	2 27	18 27	0 11	3 58
S 22	13 2	10 54	3 29	8 17	1 8	14 1	0 34	24 15	1 13	11 17	1 1	8 10	1 55	23 41	0 14	17 6	1 47	23 54	14 43	1 48	2 28	18 27	0 14	3 58
M23	13 23	14 17	4 20	7 47	1 23	14 27	0 32	24 20	1 14	11 13	1 1	8 8	1 55	23 41	0 14	17 5	1 47	23 54	14 42	1 50	2 30	18 27	0 17	3 58
T 24	13 43	16 47	4 54	7 22	1 37	14 53	0 29	24 23	1 14	11 10	1 1	8 6	1 55	23 41	0 14	17 5	1 47	23 53	14 42	1 53	2 31	18 27	0 20	3 58
W25	14 3	18 11	5 9	7 4	1 49	15 18	0 27	24 27	1 14	11 7	1 1	8 4	1 55	23 42	0 14	17 4	1 47	23 53	14 42	1 55	2 32	18 27	0 23	3 58
T 26	14 22	18 21	5 3	6 52	1 59	15 43	0 25	24 30	1 14	11 4	1 1	8 2	1 55	23 42	0 14	17 4	1 47	23 53	14 42	1 57	2 34	18 27	0 26	3 59
F 27	14 42	17 20	4 38	6 45	2 7	16 8	0 23	24 33	1 14	11 1	1 2	8 0	1 56	23 42	0 14	17 4	1 47	23 53	14 41	1 59	2 35	18 27	0 29	3 59
S 28	15 1	15 14	3 57	6 44	2 14	16 32	0 20	24 36	1 14	10 59	1 2	7 59	1 56	23 42	0 14	17 3	1 47	23 53	14 41	1 59	2 36	18 27	0 32	3 59
S 29	15 20	12 18	3 2	6 49	2 18	16 55	0 18	24 38	1 14	10 56	1 2	7 57	1 56	23 42	0 14	17 3	1 47	23 53	14 41	1 59	2 37	18 27	0 34	3 59
M30	15 39	8 45	1 58	6 58	2 22	17 19	0 16	24 41	1 15	10 53	1 2	7 55	1 56	23 42	0 14	17 2	1 47	23 53	14 40	1 59	2 39	18 27	0 37	3 59
T 31	15s57	4s48	0n49	7s11	2n24	17s41	0n13	24s43	1s15	10n50	1n 2	7n53	1n56	23s42	0s14	17n 2	1s47	23s53	14s40	1n58	2n40	18n27	0s40	3s59

Julian Day Number = 2110687.5, Delta T = 19m37s
Ecliptic obliquity = 23°33'28, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°43'52, Lahiri = 10°50'52 Julian Calendar 1 Oct. 1066 == Greg. Calendar 7 Oct. 1066

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1066
geocentric

NOVEMBER 1066 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 3 2	14♏27'12	29♓ 4	24♎57	21♏31	25♐55	4♍45	14♍40	25♐20	23°R33	3°R29	25°R 4	23♍16	3♋14	22♍36	W 1
T 2	3 6 59	15°27'51	11♈57	25°51	22°47	26°41	4°52	14°45	25°23	23♉31	3♓28	25♍ 2	23°13	3°21	22°43	T 2
F 3	3 10 55	16°28'32	24°39	26°50	24° 2	27°27	5° 0	14°50	25°26	23°29	3°28	24°58	23°10	3°27	22°49	F 3
S 4	3 14 52	17°29'14	7♉11	27°55	25°17	28°13	5° 8	14°54	25°29	23°28	3°28	24°52	23° 7	3°34	22°56	S 4
S 5	3 18 49	18°29'57	19°33	29° 4	26°33	28°59	5°15	14°59	25°32	23°26	3°28	24°43	23° 3	3°41	23° 2	S 5
M 6	3 22 45	19°30'42	1♊46	0♏16	27°48	29°45	5°22	15° 4	25°35	23°24	3°28	24°33	23° 0	3°48	23° 8	M 6
T 7	3 26 42	20°31'28	13°51	1°31	29° 3	0♑31	5°30	15° 8	25°38	23°22	3°28	24°22	22°57	3°54	23°14	T 7
W 8	3 30 38	21°32'15	25°49	2°49	0♐19	1°17	5°37	15°13	25°41	23°21	3°28	24°11	22°54	4° 1	23°21	W 8
T 9	3 34 35	22°33'04	7♋42	4°10	1°34	2° 4	5°43	15°17	25°44	23°19	3°27	24° 1	22°51	4° 8	23°27	T 9
F 10	3 38 31	23°33'55	19°32	5°32	2°49	2°50	5°50	15°21	25°48	23°17	3°27	23°53	22°48	4°14	23°33	F 10
S 11	3 42 28	24°34'46	1♌24	6°56	4° 5	3°36	5°57	15°25	25°51	23°16	3°27	23°47	22°44	4°21	23°38	S 11
S 12	3 46 24	25°35'39	13°21	8°21	5°20	4°23	6° 3	15°29	25°54	23°14	3°D27	23°44	22°41	4°28	23°44	S 12
M13	3 50 21	26°36'34	25°28	9°47	6°35	5° 9	6° 9	15°33	25°57	23°12	3°27	23°D44	22°38	4°35	23°50	M13
T 14	3 54 18	27°37'30	7♍50	11°15	7°51	5°56	6°16	15°37	26° 0	23°11	3°27	23°44	22°35	4°41	23°56	T 14
W15	3 58 14	28°38'27	20°33	12°43	9° 6	6°42	6°22	15°41	26° 4	23° 9	3°27	23°R44	22°32	4°48	24° 1	W15
T 16	4 2 11	29°39'26	3♎41	14°12	10°21	7°29	6°27	15°45	26° 7	23° 7	3°28	23°44	22°28	4°55	24° 7	T 16
F 17	4 6 7	0♐40'25	17°17	15°42	11°37	8°15	6°33	15°48	26°10	23° 5	3°28	23°42	22°25	5° 2	24°12	F 17
S 18	4 10 4	1°41'26	1♏22	17°12	12°52	9° 2	6°39	15°52	26°14	23° 4	3°28	23°37	22°22	5° 8	24°17	S 18
S 19	4 14 0	2°42'28	15°55	18°42	14° 7	9°49	6°44	15°55	26°17	23° 2	3°28	23°29	22°19	5°15	24°22	S 19
M20	4 17 57	3°43'32	0♐49	20°13	15°23	10°35	6°49	15°58	26°20	23° 0	3°28	23°19	22°16	5°22	24°27	M20
T 21	4 21 53	4°44'36	15°57	21°44	16°38	11°22	6°54	16° 2	26°24	22°59	3°28	23° 8	22°13	5°28	24°32	T 21
W22	4 25 50	5°45'40	1♑ 8	23°16	17°53	12° 9	6°59	16° 5	26°27	22°57	3°29	22°57	22° 9	5°35	24°37	W22
T 23	4 29 47	6°46'46	16°11	24°47	19° 8	12°56	7° 4	16° 8	26°31	22°55	3°29	22°48	22° 6	5°42	24°42	T 23
F 24	4 33 43	7°47'52	0♒57	26°19	20°24	13°43	7° 8	16°11	26°34	22°54	3°29	22°41	22° 3	5°49	24°47	F 24
S 25	4 37 40	8°48'58	15°21	27°51	21°39	14°30	7°12	16°14	26°38	22°52	3°30	22°36	22° 0	5°55	24°52	S 25
S 26	4 41 36	9°50'05	29°20	29°24	22°54	15°16	7°17	16°16	26°41	22°51	3°30	22°35	21°57	6° 2	24°56	S 26
M27	4 45 33	10°51'12	12♓54	0♐56	24°10	16° 3	7°21	16°19	26°45	22°49	3°30	22°D34	21°53	6° 9	25° 0	M27
T 28	4 49 29	11°52'20	26° 7	2°29	25°25	16°50	7°24	16°21	26°48	22°47	3°31	22°R34	21°50	6°15	25° 5	T 28
W29	4 53 26	12°53'27	9♈ 0	4° 1	26°40	17°37	7°28	16°24	26°52	22°46	3°31	22°33	21°47	6°22	25° 9	W29
T 30	4 57 22	13♐54'35	21♈38	5♐34	27♐55	18♑24	7♍31	16♍26	26♐55	22♉44	3♓32	22♍30	21♍44	6♋29	25♍13	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16s15	0s42	0s22	7s28	2n24	18s 4	0n11	24s44	1s15	10n47	1n 3	7n51	1n57	23s42	0s14	17n 1	1s47	23s52	14s40	1n58	2n41	18n27	0s43	3s59
T 2	16 33	3n22	1 30	7 48	2 24	18 25	0 8	24 46	1 15	10 45	1 3	7 50	1 57	23 42	0 14	17 1	1 47	23 52	14 40	1 59	2 42	18 27	0 45	3 59
F 3	16 51	7 14	2 32	8 11	2 22	18 47	0 6	24 47	1 15	10 42	1 3	7 48	1 57	23 42	0 14	17 1	1 47	23 52	14 39	2 0	2 44	18 27	0 48	4 0
S 4	17 8	10 44	3 26	8 37	2 20	19 7	0 4	24 48	1 15	10 40	1 3	7 46	1 57	23 43	0 14	17 0	1 47	23 52	14 39	2 3	2 45	18 27	0 51	4 0
S 5	17 25	13 42	4 10	9 4	2 17	19 28	0 1	24 48	1 15	10 37	1 4	7 45	1 58	23 43	0 14	17 0	1 47	23 52	14 39	2 6	2 46	18 27	0 53	4 0
M 6	17 42	16 2	4 41	9 33	2 13	19 47	0s 1	24 49	1 15	10 35	1 4	7 43	1 58	23 43	0 14	16 59	1 47	23 51	14 38	2 11	2 47	18 27	0 56	4 0
T 7	17 58	17 37	4 59	10 3	2 8	20 6	0 4	24 49	1 15	10 32	1 4	7 42	1 58	23 43	0 14	16 59	1 47	23 51	14 38	2 15	2 49	18 27	0 59	4 0
W 8	18 14	18 26	5 4	10 35	2 4	20 25	0 6	24 48	1 15	10 30	1 4	7 40	1 58	23 43	0 14	16 59	1 47	23 51	14 38	2 19	2 50	18 27	1 1	4 0
T 9	18 30	18 25	4 56	11 7	1 58	20 43	0 8	24 48	1 15	10 27	1 5	7 39	1 59	23 43	0 14	16 58	1 47	23 51	14 37	2 23	2 51	18 27	1 4	4 0
F 10	18 45	17 36	4 35	11 40	1 53	21 0	0 11	24 47	1 15	10 25	1 5	7 37	1 59	23 43	0 14	16 58	1 47	23 50	14 37	2 26	2 52	18 27	1 6	4 1
S 11	19 0	16 1	4 2	12 13	1 47	21 17	0 13	24 46	1 15	10 23	1 5	7 36	1 59	23 43	0 14	16 57	1 47	23 50	14 37	2 29	2 54	18 27	1 9	4 1
S 12	19 15	13 44	3 18	12 46	1 40	21 33	0 16	24 44	1 15	10 21	1 5	7 35	1 59	23 43	0 14	16 57	1 47	23 50	14 36	2 30	2 55	18 27	1 11	4 1
M13	19 30	10 49	2 25	13 20	1 34	21 49	0 18	24 43	1 15	10 19	1 6	7 33	1 59	23 44	0 14	16 56	1 47	23 49	14 36	2 30	2 56	18 27	1 14	4 1
T 14	19 44	7 23	1 24	13 54	1 27	22 4	0 21	24 41	1 15	10 17	1 6	7 32	2 0	23 44	0 14	16 56	1 47	23 49	14 36	2 30	2 58	18 27	1 16	4 1
W15	19 57	3 30	0 17	14 27	1 20	22 18	0 23	24 38	1 15	10 15	1 6	7 31	2 0	23 44	0 14	16 56	1 47	23 49	14 35	2 30	2 59	18 27	1 18	4 2
T 16	20 11	0s40	0n53	15 1	1 14	22 32	0 25	24 36	1 15	10 13	1 6	7 30	2 0	23 44	0 14	16 55	1 47	23 48	14 35	2 30	3 0	18 27	1 21	4 2
F 17	20 24	4 57	2 2	15 34	1 6	22 45	0 28	24 33	1 15	10 11	1 7	7 28	2 0	23 44	0 14	16 55	1 47	23 48	14 35	2 31	3 1	18 27	1 23	4 2
S 18	20 36	9 6	3 6	16 6	0 59	22 57	0 30	24 30	1 15	10 9	1 7	7 27	2 1	23 44	0 14	16 54	1 47	23 48	14 34	2 33	3 3	18 27	1 25	4 2
S 19	20 48	12 51	4 0	16 38	0 52	23 9	0 32	24 27	1 15	10 7	1 7	7 26	2 1	23 44	0 14	16 54	1 47	23 47	14 34	2 36	3 4	18 26	1 28	4 2
M20	21 0	15 52	4 39	17 10	0 45	23 19	0 35	24 23	1 15	10 6	1 7	7 25	2 1	23 44	0 14	16 54	1 47	23 47	14 34	2 40	3 5	18 26	1 30	4 2
T 21	21 11	17 51	4 59	17 41	0 38	23 30	0 37	24 19	1 15	10 4	1 8	7 24	2 2	23 44	0 14	16 53	1 47	23 47	14 34	2 44	3 6	18 26	1 32	4 3
W22	21 22	18 35	4 58	18 11	0 31	23 39	0 39	24 15	1 15	10 3	1 8	7 23	2 2	23 44	0 14	16 53	1 47	23 46	14 33	2 49	3 8	18 26	1 34	4 3
T 23	21 33	17 59	4 37	18 41	0 24	23 48	0 41	24 10	1 15	10 1	1 8	7 22	2 2	23 44	0 14	16 52	1 47	23 46	14 33	2 52	3 9	18 26	1 36	4 3
F 24	21 43	16 11	3 57	19 10	0 16	23 56	0 44	24 5	1 15	10 0	1 9	7 21	2 2	23 45	0 14	16 52	1 47	23 45	14 33	2 55	3 10	18 26	1 38	4 3
S 25	21 53	13 24	3 3	19 38	0 9	24 3	0 46	24 0	1 15	9 58	1 9	7 20	2 3	23 45	0 14	16 52	1 47	23 45	14 32	2 57	3 11	18 26	1 40	4 4
S 26	22 2	9 54	2 0	20 5	0 2	24 10	0 48	23 55	1 15	9 57	1 9	7 20	2 3	23 45	0 14	16 51	1 47	23 45	14 32	2 58	3 13	18 26	1 42	4 4
M27	22 11	5 58	0 51	20 31	0s 5	24 16	0 50	23 49	1 15	9 56	1 9	7 19	2 3	23 45	0 14	16 51	1 47	23 44	14 32	2 58	3 14	18 26	1 44	4 4
T 28	22 19	1 50	0s19	20 57	0 11	24 21	0 52	23 43	1 14	9 55	1 10	7 18	2 3	23 45	0 14	16 50	1 47	23 44	14 31	2 58	3 15	18 26	1 46	4 4
W29	22 27	3n16	1 26	21 21	0 18	24 25	0 54	23 37	1 14	9 53	1 10	7 17	2 4	23 45	0 14	16 50	1 47	23 43	14 31	2 58	3 16	18 26	1 48	4 4
T 30	22s35	6n12	2s27	21s45	0s25	24s29	0s56	23s31	1s14	9n52	1n10	7n17	2n 4	23s45	0s14	16n50	1s47	23s43	14s31	2n59	3n18	18n26	1s50	4s 5

Julian Day Number = 2110718.5, Delta T = 19m37s
Ecliptic obliquity = 23°33'28, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°43'56, Lahiri = 10°50'56 Julian Calendar 1 Nov. 1066 == Greg. Calendar 7 Nov. 1066

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1066
geocentric

DECEMBER 1066 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 1 19	14♐55'43	4♉ 4	7♐ 7	29♐11	19♑11	7♍35	16♍28	26♐59	22°R43	3♓32	22°R25	21♍41	6♋36	25♍17	F 1
S 2	5 5 16	15°56'52	16°21	8°41	0♑26	19°58	7°38	16°31	27° 2	22♉41	3°33	22♍16	21°38	6°42	25°21	S 2
S 3	5 9 12	16°58'01	28°30	10°14	1°41	20°45	7°41	16°33	27° 6	22°40	3°33	22° 4	21°34	6°49	25°25	S 3
M 4	5 13 9	17°59'10	10♊33	11°48	2°56	21°32	7°43	16°34	27° 9	22°38	3°34	21°50	21°31	6°56	25°28	M 4
T 5	5 17 5	19° 0'19	22°31	13°22	4°12	22°19	7°46	16°36	27°13	22°37	3°34	21°35	21°28	7° 2	25°32	T 5
W 6	5 21 2	20° 1'29	4♋25	14°56	5°27	23° 7	7°48	16°38	27°16	22°35	3°35	21°20	21°25	7° 9	25°36	W 6
T 7	5 24 58	21° 2'39	16°17	16°30	6°42	23°54	7°51	16°40	27°20	22°34	3°35	21° 6	21°22	7°16	25°39	T 7
F 8	5 28 55	22° 3'50	28° 8	18° 5	7°57	24°41	7°53	16°41	27°23	22°32	3°36	20°55	21°19	7°23	25°42	F 8
S 9	5 32 52	23° 5'01	10♌ 0	19°40	9°12	25°28	7°54	16°42	27°27	22°31	3°37	20°46	21°15	7°29	25°45	S 9
S 10	5 36 48	24° 6'12	21°57	21°15	10°27	26°15	7°56	16°44	27°31	22°29	3°37	20°41	21°12	7°36	25°48	S 10
M11	5 40 45	25° 7'23	4♍ 3	22°51	11°43	27° 2	7°57	16°45	27°34	22°28	3°38	20°38	21° 9	7°43	25°51	M11
T 12	5 44 41	26° 8'35	16°22	24°26	12°58	27°50	7°59	16°46	27°38	22°27	3°39	20°37	21° 6	7°50	25°54	T 12
W13	5 48 38	27° 9'47	28°59	26° 3	14°13	28°37	8° 0	16°47	27°41	22°25	3°40	20°37	21° 3	7°56	25°57	W13
T 14	5 52 34	28°10'59	11♎59	27°39	15°28	29°24	8° 1	16°48	27°45	22°24	3°40	20°37	20°59	8° 3	25°59	T 14
F 15	5 56 31	29°12'12	25°26	29°16	16°43	0♒11	8° 1	16°48	27°49	22°23	3°41	20°35	20°56	8°10	26° 2	F 15
S 16	6 0 27	0♑13'25	9♏24	0♑53	17°58	0°58	8° 2	16°49	27°52	22°21	3°42	20°30	20°53	8°16	26° 4	S 16
S 17	6 4 24	1°14'38	23°51	2°31	19°13	1°46	8° 2	16°50	27°56	22°20	3°43	20°22	20°50	8°23	26° 7	S 17
M18	6 8 21	2°15'51	8♐46	4° 9	20°28	2°33	8°R 2	16°50	27°59	22°19	3°44	20°13	20°47	8°30	26° 9	M18
T 19	6 12 17	3°17'04	23°59	5°47	21°44	3°20	8° 2	16°50	28° 3	22°18	3°44	20° 1	20°44	8°37	26°11	T 19
W20	6 16 14	4°18'17	9♑20	7°26	22°59	4° 7	8° 2	16°50	28° 7	22°17	3°45	19°50	20°40	8°43	26°13	W20
T 21	6 20 10	5°19'29	24°38	9° 5	24°14	4°55	8° 1	16°R51	28°10	22°15	3°46	19°40	20°37	8°50	26°14	T 21
F 22	6 24 7	6°20'41	9♒42	10°45	25°29	5°42	8° 0	16°51	28°14	22°14	3°47	19°32	20°34	8°57	26°16	F 22
S 23	6 28 3	7°21'53	24°23	12°25	26°44	6°29	8° 0	16°50	28°17	22°13	3°48	19°27	20°31	9° 3	26°18	S 23
S 24	6 32 0	8°23'04	8♓36	14° 5	27°59	7°17	7°58	16°50	28°21	22°12	3°49	19°25	20°28	9°10	26°19	S 24
M25	6 35 56	9°24'14	22°21	15°46	29°14	8° 4	7°57	16°50	28°24	22°11	3°50	19°D25	20°25	9°17	26°20	M25
T 26	6 39 53	10°25'23	5♈38	17°27	0♒29	8°51	7°56	16°49	28°28	22°10	3°51	19°R25	20°21	9°24	26°21	T 26
W27	6 43 50	11°26'31	18°32	19° 8	1°44	9°39	7°54	16°49	28°31	22° 9	3°52	19°25	20°18	9°30	26°23	W27
T 28	6 47 46	12°27'39	1♉ 6	20°50	2°59	10°26	7°52	16°48	28°35	22° 8	3°53	19°23	20°15	9°37	26°23	T 28
F 29	6 51 43	13°28'46	13°25	22°32	4°14	11°13	7°50	16°47	28°39	22° 7	3°54	19°19	20°12	9°44	26°24	F 29
S 30	6 55 39	14°29'52	25°34	24°14	5°28	12° 0	7°48	16°46	28°42	22° 6	3°56	19°12	20° 9	9°50	26°25	S 30
S 31	6 59 36	15♑30'57	7♊34	25♑56	6♒43	12♒48	7♍46	16♍45	28♐46	22♉ 5	3♓57	19♍ 2	20♍ 5	9♋57	26♍26	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s42	9n48	3s20	22s 7	0s31	24s32	0s58	23s24	1s14	9n51	1n10	7n16	2n 4	23s45	0s14	16n49	1s47	23s42	14s30	3n 2	3n19	18n26	1s52	4s 5
S 2	22 49	12 55	4 3	22 29	0 38	24 34	1 0	23 17	1 14	9 51	1 11	7 16	2 4	23 45	0 14	16 49	1 47	23 42	14 30	3 5	3 20	18 25	1 53	4 5
S 3	22 55	15 27	4 35	22 49	0 44	24 35	1 2	23 10	1 14	9 50	1 11	7 15	2 5	23 45	0 14	16 49	1 47	23 41	14 30	3 10	3 21	18 25	1 55	4 5
M 4	23 1	17 18	4 54	23 8	0 50	24 36	1 4	23 2	1 14	9 49	1 11	7 15	2 5	23 45	0 14	16 48	1 47	23 41	14 29	3 15	3 23	18 25	1 57	4 6
T 5	23 6	18 22	4 59	23 26	0 56	24 35	1 6	22 54	1 13	9 48	1 12	7 14	2 5	23 46	0 14	16 48	1 46	23 40	14 29	3 21	3 24	18 25	1 58	4 6
W 6	23 11	18 38	4 52	23 43	1 2	24 34	1 8	22 46	1 13	9 48	1 12	7 14	2 6	23 46	0 14	16 48	1 46	23 40	14 29	3 27	3 25	18 25	2 0	4 6
T 7	23 15	18 4	4 31	23 59	1 7	24 33	1 10	22 38	1 13	9 47	1 12	7 13	2 6	23 46	0 14	16 47	1 46	23 39	14 29	3 33	3 26	18 25	2 2	4 6
F 8	23 19	16 44	3 59	24 14	1 13	24 30	1 11	22 29	1 13	9 47	1 12	7 13	2 6	23 46	0 14	16 47	1 46	23 39	14 28	3 37	3 28	18 25	2 3	4 7
S 9	23 23	14 40	3 17	24 27	1 18	24 27	1 13	22 21	1 13	9 46	1 13	7 13	2 6	23 46	0 14	16 47	1 46	23 38	14 28	3 41	3 29	18 25	2 5	4 7
S 10	23 26	11 58	2 25	24 39	1 23	24 23	1 15	22 11	1 13	9 46	1 13	7 12	2 7	23 46	0 14	16 46	1 46	23 38	14 28	3 43	3 30	18 25	2 6	4 7
M11	23 28	8 44	1 26	24 49	1 28	24 18	1 16	22 2	1 12	9 46	1 13	7 12	2 7	23 46	0 14	16 46	1 46	23 37	14 27	3 44	3 32	18 24	2 7	4 7
T 12	23 30	5 4	0 23	24 59	1 32	24 13	1 18	21 53	1 12	9 45	1 14	7 12	2 7	23 46	0 14	16 46	1 46	23 37	14 27	3 44	3 33	18 24	2 9	4 8
W13	23 32	1 5	0n44	25 7	1 37	24 6	1 19	21 43	1 12	9 45	1 14	7 12	2 8	23 46	0 14	16 45	1 46	23 36	14 27	3 44	3 34	18 24	2 10	4 8
T 14	23 33	3s 4	1 50	25 13	1 41	23 59	1 20	21 33	1 12	9 45	1 14	7 12	2 8	23 46	0 14	16 45	1 46	23 36	14 27	3 44	3 35	18 24	2 11	4 8
F 15	23 33	7 12	2 53	25 18	1 45	23 52	1 22	21 22	1 11	9 45	1 14	7 12	2 8	23 46	0 14	16 45	1 46	23 35	14 26	3 45	3 37	18 24	2 13	4 8
S 16	23 33	11 6	3 48	25 22	1 48	23 43	1 23	21 12	1 11	9 45	1 15	7 12	2 8	23 46	0 14	16 44	1 46	23 35	14 26	3 47	3 38	18 24	2 14	4 9
S 17	23 33	14 28	4 30	25 24	1 52	23 34	1 24	21 1	1 11	9 45	1 15	7 12	2 9	23 46	0 14	16 44	1 46	23 34	14 26	3 50	3 39	18 24	2 15	4 9
M18	23 32	17 1	4 55	25 24	1 55	23 24	1 26	20 50	1 11	9 46	1 15	7 12	2 9	23 47	0 14	16 44	1 46	23 33	14 25	3 54	3 40	18 23	2 16	4 9
T 19	23 31	18 25	5 0	25 23	1 57	23 13	1 27	20 39	1 10	9 46	1 16	7 12	2 9	23 47	0 14	16 44	1 46	23 33	14 25	3 58	3 42	18 23	2 17	4 9
W20	23 29	18 30	4 44	25 20	2 0	23 2	1 28	20 27	1 10	9 46	1 16	7 12	2 9	23 47	0 14	16 43	1 46	23 32	14 25	4 3	3 43	18 23	2 18	4 10
T 21	23 27	17 15	4 7	25 16	2 2	22 50	1 29	20 16	1 10	9 47	1 16	7 13	2 10	23 47	0 14	16 43	1 46	23 32	14 25	4 7	3 44	18 23	2 19	4 10
F 22	23 24	14 48	3 14	25 10	2 3	22 37	1 30	20 4	1 10	9 47	1 16	7 13	2 10	23 47	0 14	16 43	1 46	23 31	14 24	4 10	3 45	18 23	2 20	4 10
S 23	23 21	11 26	2 9	25 2	2 4	22 24	1 31	19 52	1 9	9 48	1 17	7 13	2 10	23 47	0 14	16 43	1 46	23 30	14 24	4 12	3 47	18 23	2 21	4 10
S 24	23 17	7 30	0 57	24 53	2 5	22 10	1 31	19 39	1 9	9 49	1 17	7 14	2 11	23 47	0 14	16 42	1 46	23 30	14 24	4 13	3 48	18 23	2 21	4 11
M25	23 13	3 17	0s16	24 42	2 6	21 55	1 32	19 27	1 9	9 49	1 17	7 14	2 11	23 47	0 14	16 42	1 46	23 29	14 24	4 13	3 49	18 22	2 22	4 11
T 26	23 9	0n57	1 25	24 29	2 6	21 39	1 33	19 14	1 8	9 50	1 18	7 14	2 11	23 47	0 14	16 42	1 46	23 29	14 23	4 13	3 50	18 22	2 23	4 11
W27	23 4	5 1	2 28	24 15	2 5	21 23	1 33	19 1	1 8	9 51	1 18	7 15	2 11	23 47	0 14	16 42	1 46	23 28	14 23	4 13	3 52	18 22	2 24	4 11
T 28	22 58	8 45	3 23	23 59	2 4	21 7	1 34	18 48	1 8	9 52	1 18	7 15	2 12	23 47	0 14	16 42	1 45	23 27	14 23	4 13	3 53	18 22	2 24	4 12
F 29	22 52	12 2	4 6	23 41	2 3	20 49	1 34	18 34	1 7	9 53	1 18	7 16	2 12	23 47	0 14	16 41	1 45	23 27	14 23	4 15	3 54	18 22	2 25	4 12
S 30	22 46	14 45	4 38	23 21	2 1	20 32	1 35	18 21	1 7	9 54	1 19	7 17	2 12	23 47	0 14	16 41	1 45	23 26	14 22	4 18	3 55	18 21	2 25	4 12
S 31	22s39	16n48	4s57	23s 0	1s58	20s13	1s35	18s 7	1s 7	9n55	1n19	7n17	2n13	23s47	0s14	16n41	1s45	23s26	14s22	4n21	3n57	18n21	2s26	4s12

Julian Day Number = 2110748.5, Delta T = 19m37s
Ecliptic obliquity = 23°33'27, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°44'00, Lahiri = 10°51'00 Julian Calendar 1 Dec. 1066 == Greg. Calendar 7 Dec. 1066

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1067
geocentric

JANUARY 1067 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 3 32	16♑32'01	19♊30	27♑38	7♒58	13♒35	7°R43	16°R44	28♐49	22°R 5	3♓58	18°R51	20♍ 2	10♋ 4	26♍26	M 1
T 2	7 7 29	17°33'05	1♋23	29°19	9°13	14°22	7♍40	16♍43	28°52	22♉ 4	3°59	18♍39	19°59	10°11	26°26	T 2
W 3	7 11 25	18°34'08	13°15	1♒ 1	10°28	15° 9	7°37	16°42	28°56	22° 3	4° 0	18°26	19°56	10°17	26°27	W 3
T 4	7 15 22	19°35'10	25° 7	2°42	11°42	15°57	7°34	16°40	28°59	22° 2	4° 1	18°15	19°53	10°24	26°R27	T 4
F 5	7 19 19	20°36'10	7♌ 2	4°22	12°57	16°44	7°31	16°39	29° 3	22° 1	4° 3	18° 6	19°50	10°31	26°27	F 5
S 6	7 23 15	21°37'11	18°59	6° 1	14°12	17°31	7°27	16°37	29° 6	22° 1	4° 4	17°59	19°46	10°37	26°27	S 6
S 7	7 27 12	22°38'10	1♍ 3	7°39	15°27	18°18	7°23	16°35	29°10	22° 0	4° 5	17°55	19°43	10°44	26°26	S 7
M 8	7 31 8	23°39'09	13°14	9°15	16°41	19° 5	7°20	16°34	29°13	21°59	4° 6	17°D53	19°40	10°51	26°26	M 8
T 9	7 35 5	24°40'06	25°37	10°49	17°56	19°53	7°16	16°32	29°16	21°59	4° 7	17°53	19°37	10°58	26°25	T 9
W10	7 39 1	25°41'03	8♎15	12°20	19°11	20°40	7°11	16°30	29°20	21°58	4° 9	17°54	19°34	11° 4	26°25	W10
T 11	7 42 58	26°42'00	21°12	13°49	20°25	21°27	7° 7	16°27	29°23	21°58	4°10	17°R55	19°31	11°11	26°24	T 11
F 12	7 46 54	27°42'55	4♏33	15°14	21°40	22°14	7° 2	16°25	29°26	21°57	4°11	17°55	19°27	11°18	26°23	F 12
S 13	7 50 51	28°43'50	18°19	16°34	22°54	23° 1	6°58	16°23	29°29	21°57	4°13	17°53	19°24	11°24	26°22	S 13
S 14	7 54 48	29°44'44	2♐32	17°50	24° 9	23°48	6°53	16°20	29°33	21°56	4°14	17°49	19°21	11°31	26°21	S 14
M15	7 58 44	0♒45'37	17°10	18°59	25°23	24°35	6°48	16°18	29°36	21°56	4°15	17°43	19°18	11°38	26°20	M15
T 16	8 2 41	1°46'29	2♑ 9	20° 3	26°38	25°22	6°43	16°15	29°39	21°56	4°17	17°36	19°15	11°45	26°19	T 16
W17	8 6 37	2°47'20	17°21	20°59	27°52	26° 9	6°37	16°13	29°42	21°55	4°18	17°29	19°11	11°51	26°17	W17
T 18	8 10 34	3°48'10	2♒34	21°47	29° 6	26°56	6°32	16°10	29°45	21°55	4°20	17°23	19° 8	11°58	26°16	T 18
F 19	8 14 30	4°48'58	17°40	22°26	0♓21	27°43	6°26	16° 7	29°48	21°55	4°21	17°18	19° 5	12° 5	26°14	F 19
S 20	8 18 27	5°49'45	2♓28	22°56	1°35	28°30	6°20	16° 4	29°52	21°54	4°22	17°15	19° 2	12°11	26°13	S 20
S 21	8 22 23	6°50'30	16°51	23°15	2°49	29°17	6°14	16° 1	29°55	21°54	4°24	17°D14	18°59	12°18	26°11	S 21
M22	8 26 20	7°51'14	0♈47	23°R25	4° 4	0♓ 4	6° 8	15°58	29°58	21°54	4°25	17°15	18°56	12°25	26° 9	M22
T 23	8 30 17	8°51'56	14°15	23°23	5°18	0°51	6° 2	15°55	0♑ 1	21°54	4°27	17°16	18°52	12°32	26° 7	T 23
W24	8 34 13	9°52'37	27°17	23°11	6°32	1°38	5°56	15°51	0° 4	21°54	4°28	17°17	18°49	12°38	26° 5	W24
T 25	8 38 10	10°53'16	9♉56	22°49	7°46	2°25	5°49	15°48	0° 7	21°54	4°30	17°R18	18°46	12°45	26° 2	T 25
F 26	8 42 6	11°53'53	22°16	22°16	9° 0	3°12	5°43	15°45	0° 9	21°D54	4°31	17°18	18°43	12°52	26° 0	F 26
S 27	8 46 3	12°54'28	4♊24	21°34	10°14	3°59	5°36	15°41	0°12	21°54	4°33	17°15	18°40	12°58	25°57	S 27
S 28	8 49 59	13°55'01	16°22	20°45	11°28	4°46	5°29	15°37	0°15	21°54	4°34	17°12	18°37	13° 5	25°55	S 28
M29	8 53 56	14°55'33	28°14	19°48	12°42	5°32	5°23	15°34	0°18	21°54	4°36	17° 7	18°33	13°12	25°52	M29
T 30	8 57 52	15°56'03	10♋ 5	18°47	13°56	6°19	5°16	15°30	0°21	21°54	4°37	17° 1	18°30	13°19	25°49	T 30
W31	9 1 49	16♒56'31	21♋57	17♒42	15♓10	7♓ 6	5♍ 8	15♍26	0♑24	21♉54	4♓39	16♍55	18♍27	13♋25	25♍47	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s32	18n 6	5s 3	22s37	1s55	19s54	1s35	17s53	1s 6	9n57	1n19	7n18	2n13	23s47	0s14	16n41	1s45	23s25	14s22	4n26	3n58	18n21	2s26	4s13
T 2	22 24	18 37	4 56	22 12	1 51	19 34	1 36	17 39	1 6	9 58	1 20	7 19	2 13	23 47	0 14	16 41	1 45	23 24	14 22	4 31	3 59	18 21	2 26	4 13
W 3	22 16	18 20	4 35	21 46	1 46	19 14	1 36	17 25	1 6	9 59	1 20	7 19	2 13	23 47	0 14	16 41	1 45	23 24	14 22	4 36	4 0	18 21	2 27	4 13
T 4	22 7	17 13	4 3	21 18	1 41	18 54	1 36	17 10	1 5	10 1	1 20	7 20	2 14	23 47	0 14	16 40	1 45	23 23	14 21	4 40	4 2	18 20	2 27	4 13
F 5	21 58	15 22	3 20	20 48	1 35	18 32	1 36	16 56	1 5	10 2	1 20	7 21	2 14	23 47	0 14	16 40	1 45	23 22	14 21	4 44	4 3	18 20	2 27	4 13
S 6	21 49	12 51	2 28	20 17	1 29	18 11	1 36	16 41	1 4	10 4	1 21	7 22	2 14	23 47	0 14	16 40	1 45	23 22	14 21	4 46	4 4	18 20	2 27	4 14
S 7	21 39	9 46	1 29	19 45	1 21	17 48	1 36	16 26	1 4	10 5	1 21	7 23	2 14	23 48	0 14	16 40	1 45	23 21	14 21	4 48	4 5	18 20	2 27	4 14
M 8	21 29	6 14	0 25	19 12	1 13	17 26	1 35	16 11	1 4	10 7	1 21	7 24	2 15	23 48	0 14	16 40	1 45	23 20	14 21	4 49	4 7	18 20	2 28	4 14
T 9	21 18	2 23	0n42	18 38	1 4	17 2	1 35	15 56	1 3	10 9	1 21	7 25	2 15	23 48	0 14	16 40	1 45	23 20	14 20	4 49	4 8	18 19	2 28	4 14
W10	21 7	1s39	1 47	18 3	0 54	16 39	1 35	15 40	1 3	10 11	1 22	7 26	2 15	23 48	0 14	16 40	1 45	23 19	14 20	4 48	4 9	18 19	2 27	4 15
T 11	20 55	5 42	2 50	17 27	0 43	16 15	1 34	15 24	1 2	10 13	1 22	7 27	2 15	23 48	0 14	16 40	1 45	23 18	14 20	4 48	4 10	18 19	2 27	4 15
F 12	20 43	9 35	3 44	16 51	0 31	15 50	1 34	15 9	1 2	10 14	1 22	7 28	2 16	23 48	0 14	16 40	1 45	23 18	14 20	4 48	4 12	18 19	2 27	4 15
S 13	20 31	13 4	4 28	16 15	0 19	15 25	1 33	14 53	1 2	10 16	1 22	7 29	2 16	23 48	0 14	16 40	1 45	23 17	14 20	4 49	4 13	18 19	2 27	4 15
S 14	20 18	15 55	4 57	15 39	0 5	14 59	1 32	14 37	1 1	10 18	1 23	7 30	2 16	23 48	0 14	16 40	1 44	23 16	14 19	4 50	4 14	18 18	2 27	4 15
M15	20 5	17 50	5 8	15 4	0n 9	14 34	1 32	14 21	1 1	10 21	1 23	7 31	2 16	23 48	0 14	16 39	1 44	23 16	14 19	4 52	4 15	18 18	2 26	4 16
T 16	19 52	18 34	4 58	14 30	0 24	14 7	1 31	14 4	1 0	10 23	1 23	7 33	2 17	23 48	0 14	16 39	1 44	23 15	14 19	4 55	4 17	18 18	2 26	4 16
W17	19 38	18 0	4 28	13 57	0 39	13 41	1 30	13 48	1 0	10 25	1 23	7 34	2 17	23 48	0 14	16 39	1 44	23 14	14 19	4 58	4 18	18 18	2 26	4 16
T 18	19 24	16 9	3 38	13 27	0 55	13 14	1 29	13 31	0 59	10 27	1 24	7 35	2 17	23 48	0 14	16 39	1 44	23 14	14 19	5 1	4 19	18 17	2 25	4 16
F 19	19 9	13 11	2 33	12 58	1 12	12 47	1 28	13 15	0 59	10 30	1 24	7 37	2 17	23 48	0 14	16 39	1 44	23 13	14 19	5 3	4 20	18 17	2 25	4 16
S 20	18 54	9 25	1 19	12 33	1 28	12 19	1 27	12 58	0 58	10 32	1 24	7 38	2 18	23 48	0 14	16 39	1 44	23 12	14 19	5 4	4 22	18 17	2 24	4 16
S 21	18 39	5 11	0 2	12 10	1 45	11 51	1 26	12 41	0 58	10 34	1 24	7 39	2 18	23 48	0 14	16 39	1 44	23 12	14 18	5 4	4 23	18 17	2 24	4 17
M22	18 24	0 48	1s13	11 52	2 2	11 23	1 25	12 24	0 58	10 37	1 25	7 41	2 18	23 48	0 14	16 39	1 44	23 11	14 18	5 4	4 24	18 16	2 23	4 17
T 23	18 8	3n28	2 22	11 37	2 19	10 54	1 23	12 7	0 57	10 39	1 25	7 42	2 18	23 48	0 14	16 39	1 44	23 10	14 18	5 3	4 25	18 16	2 22	4 17
W24	17 52	7 26	3 21	11 26	2 34	10 25	1 22	11 50	0 57	10 42	1 25	7 44	2 18	23 48	0 14	16 40	1 44	23 10	14 18	5 3	4 27	18 16	2 22	4 17
T 25	17 35	10 56	4 8	11 19	2 49	9 56	1 20	11 32	0 56	10 44	1 25	7 45	2 19	23 48	0 14	16 40	1 44	23 9	14 18	5 2	4 28	18 16	2 21	4 17
F 26	17 18	13 52	4 43	11 16	3 3	9 27	1 19	11 15	0 56	10 47	1 25	7 47	2 19	23 48	0 15	16 40	1 44	23 8	14 18	5 3	4 29	18 15	2 20	4 17
S 27	17 1	16 9	5 4	11 18	3 15	8 57	1 17	10 57	0 55	10 50	1 26	7 48	2 19	23 48	0 15	16 40	1 44	23 8	14 18	5 3	4 30	18 15	2 19	4 17
S 28	16 44	17 41	5 12	11 24	3 26	8 28	1 16	10 40	0 55	10 52	1 26	7 50	2 19	23 48	0 15	16 40	1 44	23 7	14 18	5 5	4 32	18 15	2 18	4 17
M29	16 26	18 27	5 6	11 33	3 34	7 58	1 14	10 22	0 54	10 55	1 26	7 52	2 19	23 48	0 15	16 40	1 44	23 7	14 18	5 7	4 33	18 15	2 17	4 18
T 30	16 8	18 24	4 47	11 46	3 41	7 27	1 12	10 4	0 54	10 58	1 26	7 53	2 20	23 48	0 15	16 40	1 43	23 6	14 17	5 9	4 34	18 14	2 16	4 18
W31	15s50	17n33	4s16	12s 2	3n45	6s57	1s10	9s46	0s53	11n 0	1n26	7n55	2n20	23s48	0s15	16n40	1s43	23s 5	14s17	5n11	4n35	18n14	2s15	4s18

Julian Day Number = 2110779.5, Delta T = 19m36s
Ecliptic obliquity = 23°33'27, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°44'04, Lahiri = 10°51'05 Julian Calendar 1 Jan. 1067 == Greg. Calendar 7 Jan. 1067

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1067
geocentric

FEBRUARY 1067 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 5 46	17♒56'57	3♌52	16°R35	16♓24	7♓52	5°R 1	15°R22	0♋26	21♉54	4♓40	16°R50	18♍24	13♋32	25°R44	T 1
F 2	9 9 42	18°57'21	15°53	15♒28	17°38	8°39	4♍54	15♍18	0°29	21°54	4°42	16♍46	18°21	13°39	25♍41	F 2
S 3	9 13 39	19°57'44	28° 0	14°23	18°51	9°26	4°47	15°14	0°32	21°55	4°43	16°43	18°17	13°45	25°37	S 3
S 4	9 17 35	20°58'05	10♍16	13°21	20° 5	10°12	4°39	15°10	0°34	21°55	4°45	16°41	18°14	13°52	25°34	S 4
M 5	9 21 32	21°58'25	22°41	12°23	21°19	10°59	4°32	15° 6	0°37	21°55	4°46	16°D41	18°11	13°59	25°31	M 5
T 6	9 25 28	22°58'42	5♎18	11°30	22°32	11°45	4°24	15° 2	0°39	21°56	4°48	16°42	18° 8	14° 6	25°28	T 6
W 7	9 29 25	23°58'59	18° 8	10°43	23°46	12°32	4°17	14°58	0°42	21°56	4°49	16°44	18° 5	14°12	25°24	W 7
T 8	9 33 21	24°59'13	1♏14	10° 4	24°59	13°18	4° 9	14°54	0°44	21°56	4°51	16°45	18° 2	14°19	25°21	T 8
F 9	9 37 18	25°59'26	14°37	9°31	26°12	14° 5	4° 2	14°49	0°47	21°57	4°52	16°47	17°58	14°26	25°17	F 9
S 10	9 41 15	26°59'38	28°19	9° 5	27°26	14°51	3°54	14°45	0°49	21°57	4°54	16°R47	17°55	14°32	25°13	S 10
S 11	9 45 11	27°59'48	12♐20	8°46	28°39	15°37	3°46	14°41	0°51	21°58	4°56	16°46	17°52	14°39	25° 9	S 11
M12	9 49 8	28°59'57	26°41	8°34	29°52	16°24	3°38	14°36	0°54	21°58	4°57	16°45	17°49	14°46	25° 6	M12
T 13	9 53 4	0♓ 0'04	11♑17	8°D29	1♈ 5	17°10	3°31	14°32	0°56	21°59	4°59	16°43	17°46	14°52	25° 2	T 13
W14	9 57 1	1° 0'09	26° 4	8°31	2°19	17°56	3°23	14°27	0°58	22° 0	5° 0	16°41	17°43	14°59	24°58	W14
T 15	10 0 57	2° 0'13	10♒56	8°38	3°32	18°42	3°15	14°23	1° 0	22° 0	5° 2	16°39	17°39	15° 6	24°54	T 15
F 16	10 4 54	3° 0'14	25°44	8°52	4°45	19°29	3° 7	14°18	1° 3	22° 1	5° 4	16°38	17°36	15°13	24°50	F 16
S 17	10 8 50	4° 0'14	10♓22	9°11	5°58	20°15	2°59	14°14	1° 5	22° 2	5° 5	16°D37	17°33	15°19	24°45	S 17
S 18	10 12 47	5° 0'12	24°41	9°35	7°10	21° 1	2°51	14° 9	1° 7	22° 3	5° 7	16°37	17°30	15°26	24°41	S 18
M19	10 16 44	6° 0'07	8♈39	10° 4	8°23	21°47	2°44	14° 4	1° 9	22° 3	5° 8	16°38	17°27	15°33	24°37	M19
T 20	10 20 40	7° 0'01	22°11	10°38	9°36	22°33	2°36	14° 0	1°11	22° 4	5°10	16°39	17°23	15°39	24°33	T 20
W21	10 24 37	7°59'52	5♉20	11°16	10°49	23°19	2°28	13°55	1°13	22° 5	5°11	16°39	17°20	15°46	24°28	W21
T 22	10 28 33	8°59'41	18° 5	11°58	12° 1	24° 5	2°20	13°50	1°14	22° 6	5°13	16°40	17°17	15°53	24°24	T 22
F 23	10 32 30	9°59'28	0♊31	12°43	13°14	24°51	2°13	13°46	1°16	22° 7	5°15	16°41	17°14	16° 0	24°19	F 23
S 24	10 36 26	10°59'12	12°41	13°32	14°26	25°37	2° 5	13°41	1°18	22° 8	5°16	16°R41	17°11	16° 6	24°15	S 24
S 25	10 40 23	11°58'55	24°40	14°25	15°39	26°22	1°57	13°36	1°20	22° 9	5°18	16°41	17° 8	16°13	24°10	S 25
M26	10 44 19	12°58'35	6♋33	15°20	16°51	27° 8	1°50	13°31	1°22	22°10	5°19	16°40	17° 4	16°20	24° 6	M26
T 27	10 48 16	13°58'12	18°24	16°18	18° 3	27°54	1°42	13°27	1°23	22°11	5°21	16°40	17° 1	16°26	24° 1	T 27
W28	10 52 12	14♓57'48	0♌17	17♒19	19♈15	28♓40	1♍35	13♍22	1♋25	22♉12	5♓22	16♍40	16♍58	16♋33	23♍57	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s32	15n55	3s33	12s21	3n46	6s27	1s 8	9s28	0s53	11n 3	1n26	7n57	2n20	23s48	0s15	16n40	1s43	23s 5	14s17	5n13	4n37	18n14	2s14	4s18
F 2	15 13	13 36	2 41	12 41	3 46	5 56	1 6	9 10	0 52	11 6	1 27	7 58	2 20	23 48	0 15	16 40	1 43	23 4	14 17	5 15	4 38	18 13	2 13	4 18
S 3	14 54	10 39	1 41	13 2	3 43	5 25	1 4	8 52	0 52	11 9	1 27	8 0	2 20	23 48	0 15	16 40	1 43	23 3	14 17	5 16	4 39	18 13	2 12	4 18
S 4	14 35	7 13	0 35	13 24	3 39	4 54	1 2	8 34	0 51	11 12	1 27	8 2	2 21	23 48	0 15	16 40	1 43	23 3	14 17	5 17	4 40	18 13	2 10	4 18
M 5	14 15	3 25	0n33	13 47	3 32	4 23	1 0	8 16	0 51	11 15	1 27	8 3	2 21	23 48	0 15	16 41	1 43	23 2	14 17	5 17	4 42	18 13	2 9	4 18
T 6	13 55	0s35	1 41	14 9	3 24	3 52	0 58	7 57	0 50	11 18	1 27	8 5	2 21	23 48	0 15	16 41	1 43	23 1	14 17	5 16	4 43	18 12	2 8	4 18
W 7	13 36	4 37	2 45	14 31	3 14	3 20	0 55	7 39	0 49	11 20	1 27	8 7	2 21	23 48	0 15	16 41	1 43	23 1	14 17	5 16	4 44	18 12	2 7	4 18
T 8	13 15	8 30	3 41	14 52	3 3	2 49	0 53	7 21	0 49	11 23	1 27	8 9	2 21	23 48	0 15	16 41	1 43	23 0	14 17	5 15	4 45	18 12	2 5	4 18
F 9	12 55	12 2	4 27	15 12	2 52	2 17	0 51	7 2	0 48	11 26	1 27	8 11	2 21	23 48	0 15	16 41	1 43	22 59	14 17	5 15	4 47	18 11	2 4	4 18
S 10	12 34	15 1	5 0	15 31	2 39	1 46	0 48	6 44	0 48	11 29	1 28	8 12	2 22	23 48	0 15	16 41	1 43	22 59	14 17	5 15	4 48	18 11	2 2	4 18
S 11	12 14	17 11	5 15	15 48	2 26	1 14	0 46	6 25	0 47	11 32	1 28	8 14	2 22	23 48	0 15	16 42	1 43	22 58	14 17	5 15	4 49	18 11	2 1	4 18
M12	11 53	18 20	5 11	16 4	2 13	0 43	0 43	6 7	0 47	11 35	1 28	8 16	2 22	23 48	0 15	16 42	1 43	22 58	14 17	5 15	4 50	18 10	1 59	4 18
T 13	11 32	18 18	4 47	16 19	1 59	0 11	0 40	5 48	0 46	11 38	1 28	8 18	2 22	23 48	0 15	16 42	1 43	22 57	14 17	5 16	4 52	18 10	1 58	4 18
W14	11 10	17 2	4 4	16 31	1 46	0n21	0 38	5 29	0 46	11 41	1 28	8 20	2 22	23 48	0 15	16 42	1 43	22 56	14 17	5 17	4 53	18 10	1 56	4 18
T 15	10 49	14 37	3 5	16 42	1 32	0 52	0 35	5 11	0 45	11 44	1 28	8 22	2 22	23 48	0 15	16 43	1 42	22 56	14 17	5 18	4 54	18 9	1 54	4 18
F 16	10 27	11 14	1 53	16 52	1 19	1 24	0 32	4 52	0 45	11 47	1 28	8 24	2 22	23 48	0 15	16 43	1 42	22 55	14 17	5 18	4 55	18 9	1 53	4 18
S 17	10 5	7 11	0 35	17 0	1 6	1 56	0 29	4 33	0 44	11 50	1 28	8 25	2 22	23 48	0 15	16 43	1 42	22 55	14 17	5 18	4 57	18 9	1 51	4 18
S 18	9 43	2 48	0s45	17 6	0 52	2 27	0 27	4 15	0 43	11 53	1 28	8 27	2 22	23 48	0 15	16 43	1 42	22 54	14 17	5 18	4 58	18 8	1 49	4 18
M19	9 21	1n37	1 59	17 10	0 40	2 59	0 24	3 56	0 43	11 55	1 28	8 29	2 23	23 48	0 15	16 44	1 42	22 53	14 17	5 18	4 59	18 8	1 48	4 18
T 20	8 59	5 50	3 5	17 13	0 27	3 30	0 21	3 37	0 42	11 58	1 28	8 31	2 23	23 48	0 15	16 44	1 42	22 53	14 17	5 18	5 0	18 8	1 46	4 18
W21	8 37	9 37	3 58	17 14	0 15	4 2	0 18	3 18	0 42	12 1	1 28	8 33	2 23	23 48	0 15	16 44	1 42	22 52	14 17	5 18	5 2	18 7	1 44	4 18
T 22	8 14	12 50	4 39	17 14	0 4	4 33	0 15	2 59	0 41	12 4	1 28	8 35	2 23	23 48	0 15	16 44	1 42	22 52	14 17	5 17	5 3	18 7	1 42	4 17
F 23	7 52	15 23	5 5	17 12	0s 8	5 4	0 12	2 41	0 41	12 7	1 28	8 37	2 23	23 48	0 15	16 45	1 42	22 51	14 17	5 17	5 4	18 7	1 40	4 17
S 24	7 29	17 12	5 16	17 8	0 19	5 35	0 8	2 22	0 40	12 10	1 28	8 39	2 23	23 48	0 15	16 45	1 42	22 51	14 17	5 17	5 5	18 6	1 38	4 17
S 25	7 6	18 13	5 14	17 3	0 29	6 6	0 5	2 3	0 39	12 12	1 28	8 41	2 23	23 48	0 15	16 45	1 42	22 50	14 17	5 17	5 7	18 6	1 36	4 17
M26	6 43	18 26	4 58	16 56	0 39	6 37	0 2	1 44	0 39	12 15	1 28	8 43	2 23	23 48	0 15	16 46	1 42	22 50	14 17	5 17	5 8	18 6	1 34	4 17
T 27	6 20	17 50	4 30	16 48	0 49	7 8	0n 1	1 25	0 38	12 18	1 28	8 44	2 23	23 48	0 15	16 46	1 42	22 49	14 17	5 17	5 9	18 5	1 32	4 17
W28	5s57	16n27	3s50	16s38	0s58	7n39	0n 4	1s 7	0s38	12n21	1n28	8n46	2n23	23s48	0s15	16n46	1s42	22s48	14s17	5n17	5n10	18n 5	1s30	4s17

Julian Day Number = 2110810.5, Delta T = 19m36s
Ecliptic obliquity = 23°33'28, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°44'08, Lahiri = 10°51'09 Julian Calendar 1 Feb. 1067 == Greg. Calendar 7 Feb. 1067

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1067
geocentric

MARCH 1067 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 56 9	15♓57'21	12♌16	18♒23	20♈28	29♓25	1°R27	13°R17	1♑26	22♉13	5♓24	16°R39	16♍55	16♋40	23°R52	T 1
F 2	11 0 6	16°56'52	24°24	19°29	21°40	0♈11	1♍20	13♍13	1°28	22°14	5°26	16°D39	16°52	16°46	23♍47	F 2
S 3	11 4 2	17°56'20	6♍42	20°37	22°51	0°56	1°13	13° 8	1°29	22°15	5°27	16♍39	16°48	16°53	23°43	S 3
S 4	11 7 59	18°55'47	19°13	21°47	24° 3	1°42	1° 5	13° 3	1°31	22°16	5°29	16°R39	16°45	17° 0	23°38	S 4
M 5	11 11 55	19°55'11	1♎57	23° 0	25°15	2°27	0°58	12°59	1°32	22°18	5°30	16°39	16°42	17° 7	23°33	M 5
T 6	11 15 52	20°54'33	14°55	24°15	26°27	3°13	0°51	12°54	1°33	22°19	5°32	16°39	16°39	17°13	23°29	T 6
W 7	11 19 48	21°53'54	28° 7	25°31	27°38	3°58	0°44	12°49	1°35	22°20	5°33	16°39	16°36	17°20	23°24	W 7
T 8	11 23 45	22°53'12	11♏33	26°50	28°50	4°43	0°38	12°45	1°36	22°21	5°35	16°38	16°33	17°27	23°19	T 8
F 9	11 27 41	23°52'29	25°11	28°10	0♉ 1	5°29	0°31	12°40	1°37	22°23	5°36	16°37	16°29	17°33	23°14	F 9
S 10	11 31 38	24°51'44	9♐ 1	29°32	1°12	6°14	0°24	12°35	1°38	22°24	5°38	16°36	16°26	17°40	23°10	S 10
S 11	11 35 35	25°50'57	23° 2	0♓55	2°24	6°59	0°18	12°31	1°39	22°26	5°39	16°D36	16°23	17°47	23° 5	S 11
M12	11 39 31	26°50'08	7♑13	2°21	3°35	7°44	0°11	12°26	1°40	22°27	5°41	16°36	16°20	17°53	23° 0	M12
T 13	11 43 28	27°49'18	21°31	3°47	4°46	8°29	0° 5	12°22	1°41	22°28	5°42	16°37	16°17	18° 0	22°55	T 13
W14	11 47 24	28°48'26	5♒54	5°16	5°57	9°14	29♌59	12°18	1°42	22°30	5°44	16°38	16°14	18° 7	22°51	W14
T 15	11 51 21	29°47'32	20°17	6°46	7° 8	9°59	29°53	12°13	1°43	22°31	5°45	16°39	16°10	18°14	22°46	T 15
F 16	11 55 17	0♈46'36	4♓38	8°18	8°18	10°44	29°47	12° 9	1°44	22°33	5°47	16°40	16° 7	18°20	22°41	F 16
S 17	11 59 14	1°45'38	18°51	9°51	9°29	11°29	29°41	12° 4	1°45	22°34	5°48	16°R40	16° 4	18°27	22°37	S 17
S 18	12 3 10	2°44'38	2♈52	11°25	10°40	12°14	29°36	12° 0	1°45	22°36	5°50	16°39	16° 1	18°34	22°32	S 18
M19	12 7 7	3°43'36	16°37	13° 2	11°50	12°59	29°30	11°56	1°46	22°38	5°51	16°38	15°58	18°40	22°28	M19
T 20	12 11 3	4°42'31	0♉ 3	14°39	13° 0	13°43	29°25	11°52	1°47	22°39	5°53	16°36	15°54	18°47	22°23	T 20
W21	12 15 0	5°41'25	13° 9	16°19	14°11	14°28	29°20	11°48	1°47	22°41	5°54	16°33	15°51	18°54	22°18	W21
T 22	12 18 57	6°40'17	25°56	17°59	15°21	15°13	29°15	11°44	1°48	22°43	5°55	16°30	15°48	19° 0	22°14	T 22
F 23	12 22 53	7°39'06	8♊24	19°42	16°31	15°57	29°10	11°40	1°48	22°44	5°57	16°27	15°45	19° 7	22°10	F 23
S 24	12 26 50	8°37'53	20°36	21°26	17°41	16°42	29° 5	11°36	1°48	22°46	5°58	16°25	15°42	19°14	22° 5	S 24
S 25	12 30 46	9°36'38	2♋37	23°11	18°50	17°26	29° 1	11°32	1°49	22°48	6° 0	16°24	15°39	19°21	22° 1	S 25
M26	12 34 43	10°35'20	14°31	24°58	20° 0	18°11	28°56	11°28	1°49	22°49	6° 1	16°D24	15°35	19°27	21°56	M26
T 27	12 38 39	11°34'00	26°23	26°46	21°10	18°55	28°52	11°24	1°49	22°51	6° 2	16°25	15°32	19°34	21°52	T 27
W28	12 42 36	12°32'38	8♌16	28°36	22°19	19°39	28°48	11°20	1°50	22°53	6° 4	16°26	15°29	19°41	21°48	W28
T 29	12 46 32	13°31'14	20°17	0♈28	23°28	20°24	28°44	11°17	1°50	22°55	6° 5	16°28	15°26	19°47	21°44	T 29
F 30	12 50 29	14°29'47	2♍29	2°21	24°37	21° 8	28°40	11°13	1°50	22°57	6° 6	16°29	15°23	19°54	21°40	F 30
S 31	12 54 26	15♈28'18	14♍56	4♈16	25♉46	21♈52	28♌37	11♍10	1°R50	22♉58	6♓ 7	16°R30	15♍19	20♋ 1	21♍36	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s34	14n20	3s 0	16s27	1s 7	8n 9	0n 8	0s48	0s37	12n23	1n28	8n48	2n23	23s48	0s15	16n47	1s42	22s48	14s17	5n18	5n12	18n 5	1s28	4s16
F 2	5 11	11 34	2 1	16 14	1 15	8 39	0 11	0 29	0 36	12 26	1 28	8 50	2 23	23 48	0 15	16 47	1 42	22 47	14 18	5 18	5 13	18 4	1 26	4 16
S 3	4 47	8 15	0 55	16 0	1 23	9 9	0 14	0 10	0 36	12 28	1 28	8 52	2 23	23 48	0 15	16 47	1 42	22 47	14 18	5 18	5 14	18 4	1 24	4 16
S 4	4 24	4 30	0n14	15 44	1 30	9 39	0 18	0n 8	0 35	12 31	1 28	8 54	2 23	23 48	0 15	16 48	1 41	22 46	14 18	5 18	5 15	18 3	1 22	4 16
M 5	4 1	0 30	1 24	15 27	1 37	10 8	0 21	0 27	0 35	12 33	1 28	8 56	2 23	23 48	0 15	16 48	1 41	22 46	14 18	5 18	5 16	18 3	1 20	4 15
T 6	3 37	3s36	2 31	15 8	1 43	10 38	0 24	0 46	0 34	12 36	1 28	8 57	2 23	23 48	0 15	16 48	1 41	22 45	14 18	5 18	5 18	18 3	1 18	4 15
W 7	3 14	7 35	3 30	14 48	1 49	11 7	0 28	1 4	0 33	12 38	1 28	8 59	2 23	23 48	0 15	16 49	1 41	22 45	14 18	5 18	5 19	18 2	1 16	4 15
T 8	2 50	11 15	4 20	14 26	1 55	11 36	0 31	1 23	0 33	12 41	1 28	9 1	2 23	23 48	0 15	16 49	1 41	22 44	14 18	5 18	5 20	18 2	1 14	4 15
F 9	2 27	14 23	4 55	14 3	2 0	12 4	0 35	1 42	0 32	12 43	1 28	9 3	2 23	23 48	0 15	16 50	1 41	22 44	14 18	5 18	5 21	18 2	1 12	4 14
S 10	2 3	16 44	5 14	13 38	2 5	12 33	0 38	2 0	0 31	12 45	1 28	9 4	2 23	23 48	0 15	16 50	1 41	22 44	14 18	5 19	5 23	18 1	1 10	4 14
S 11	1 39	18 8	5 15	13 12	2 9	13 1	0 41	2 19	0 31	12 48	1 28	9 6	2 23	23 48	0 15	16 50	1 41	22 43	14 19	5 19	5 24	18 1	1 7	4 14
M12	1 16	18 25	4 57	12 45	2 12	13 28	0 45	2 37	0 30	12 50	1 28	9 8	2 23	23 48	0 15	16 51	1 41	22 43	14 19	5 19	5 25	18 0	1 5	4 14
T 13	0 52	17 33	4 20	12 16	2 16	13 56	0 48	2 56	0 30	12 52	1 28	9 10	2 23	23 48	0 15	16 51	1 41	22 42	14 19	5 19	5 26	18 0	1 3	4 13
W14	0 29	15 33	3 27	11 46	2 18	14 23	0 52	3 14	0 29	12 54	1 28	9 11	2 23	23 48	0 15	16 52	1 41	22 42	14 19	5 18	5 28	18 0	1 1	4 13
T 15	0 5	12 34	2 21	11 15	2 21	14 50	0 55	3 32	0 28	12 56	1 28	9 13	2 23	23 48	0 15	16 52	1 41	22 41	14 19	5 18	5 29	17 59	0 59	4 13
F 16	0n19	8 50	1 6	10 42	2 22	15 16	0 59	3 51	0 28	12 58	1 28	9 15	2 23	23 48	0 15	16 52	1 41	22 41	14 19	5 17	5 30	17 59	0 57	4 12
S 17	0 42	4 37	0s12	10 8	2 24	15 42	1 2	4 9	0 27	13 0	1 27	9 16	2 23	23 48	0 15	16 53	1 41	22 41	14 20	5 17	5 31	17 58	0 55	4 12
S 18	1 6	0 12	1 28	9 32	2 24	16 8	1 5	4 27	0 27	13 2	1 27	9 18	2 23	23 48	0 16	16 53	1 41	22 40	14 20	5 18	5 33	17 58	0 52	4 12
M19	1 29	4n 8	2 38	8 55	2 25	16 33	1 9	4 45	0 26	13 4	1 27	9 19	2 23	23 48	0 16	16 54	1 41	22 40	14 20	5 18	5 34	17 57	0 50	4 11
T 20	1 53	8 9	3 37	8 17	2 24	16 58	1 12	5 3	0 25	13 6	1 27	9 21	2 23	23 48	0 16	16 54	1 41	22 39	14 20	5 19	5 35	17 57	0 48	4 11
W21	2 16	11 41	4 23	7 38	2 24	17 22	1 16	5 21	0 25	13 7	1 27	9 23	2 23	23 48	0 16	16 55	1 41	22 39	14 20	5 20	5 36	17 57	0 46	4 10
T 22	2 40	14 33	4 55	6 57	2 22	17 47	1 19	5 39	0 24	13 9	1 27	9 24	2 23	23 48	0 16	16 55	1 41	22 39	14 20	5 21	5 38	17 56	0 44	4 10
F 23	3 3	16 41	5 12	6 15	2 21	18 10	1 22	5 57	0 23	13 11	1 27	9 26	2 23	23 48	0 16	16 56	1 40	22 38	14 21	5 22	5 39	17 56	0 42	4 10
S 24	3 26	18 0	5 14	5 32	2 19	18 33	1 26	6 15	0 23	13 12	1 27	9 27	2 23	23 48	0 16	16 56	1 40	22 38	14 21	5 23	5 40	17 55	0 39	4 9
S 25	3 50	18 29	5 2	4 48	2 16	18 56	1 29	6 32	0 22	13 14	1 27	9 28	2 23	23 48	0 16	16 57	1 40	22 38	14 21	5 24	5 41	17 55	0 37	4 9
M26	4 13	18 9	4 38	4 2	2 13	19 18	1 32	6 50	0 22	13 15	1 26	9 30	2 23	23 48	0 16	16 57	1 40	22 37	14 21	5 24	5 43	17 54	0 35	4 8
T 27	4 36	17 2	4 2	3 15	2 9	19 40	1 35	7 7	0 21	13 16	1 26	9 31	2 23	23 48	0 16	16 58	1 40	22 37	14 21	5 23	5 44	17 54	0 33	4 8
W28	4 59	15 9	3 15	2 28	2 4	20 2	1 39	7 25	0 20	13 18	1 26	9 33	2 23	23 48	0 16	16 58	1 40	22 37	14 22	5 23	5 45	17 53	0 31	4 7
T 29	5 22	12 36	2 19	1 39	2 0	20 23	1 42	7 42	0 20	13 19	1 26	9 34	2 23	23 48	0 16	16 59	1 40	22 36	14 22	5 22	5 46	17 53	0 29	4 7
F 30	5 45	9 27	1 16	0 48	1 54	20 43	1 45	8 0	0 19	13 20	1 26	9 35	2 22	23 48	0 16	16 59	1 40	22 36	14 22	5 21	5 47	17 53	0 27	4 6
S 31	6n 7	5n50	0s 9	0n 3	1s48	21n 3	1n48	8n17	0s18	13n21	1n26	9n36	2n22	23s49	0s16	17n 0	1s40	22s36	14s22	5n21	5n49	17n52	0s25	4s 6

Julian Day Number = 2110838.5, Delta T = 19m36s
Ecliptic obliquity = 23°33'28, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°44'12, Lahiri = 10°51'13 Julian Calendar 1 March 1067 == Greg. Calendar 7 March 1067

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1067
geocentric

APRIL 1067 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 58 22	16♈26'47	27♍41	6♈12	26♉55	22♈36	28°R33	11°R 6	1°R50	23♉ 0	6♓ 9	16°R30	15♍16	20♋ 7	21°R32	S 1
M 2	13 2 19	17°25'15	10♎44	8°10	28° 4	23°20	28♏30	11♍ 3	1♑50	23° 2	6°10	16♍28	15°13	20°14	21♍28	M 2
T 3	13 6 15	18°23'40	24° 5	10° 9	29°12	24° 4	28°27	11° 0	1°50	23° 4	6°11	16°24	15°10	20°21	21°24	T 3
W 4	13 10 12	19°22'03	7♏43	12°10	0♊21	24°48	28°24	10°57	1°50	23° 6	6°12	16°20	15° 7	20°28	21°20	W 4
T 5	13 14 8	20°20'25	21°36	14°13	1°29	25°32	28°22	10°53	1°49	23° 8	6°14	16°14	15° 4	20°34	21°16	T 5
F 6	13 18 5	21°18'44	5♐39	16°16	2°37	26°16	28°19	10°50	1°49	23°10	6°15	16° 9	15° 0	20°41	21°13	F 6
S 7	13 22 1	22°17'03	19°49	18°21	3°45	27° 0	28°17	10°48	1°49	23°12	6°16	16° 5	14°57	20°48	21° 9	S 7
S 8	13 25 58	23°15'19	4♑ 2	20°27	4°53	27°44	28°15	10°45	1°48	23°14	6°17	16° 2	14°54	20°54	21° 5	S 8
M 9	13 29 55	24°13'35	18°15	22°35	6° 1	28°27	28°13	10°42	1°48	23°16	6°18	16°D 0	14°51	21° 1	21° 2	M 9
T 10	13 33 51	25°11'48	2♒26	24°43	7° 8	29°11	28°11	10°39	1°48	23°18	6°19	16° 0	14°48	21° 8	20°59	T 10
W11	13 37 48	26°10'00	16°32	26°52	8°16	29°55	28° 9	10°37	1°47	23°20	6°21	16° 1	14°45	21°14	20°55	W11
T 12	13 41 44	27° 8'11	0♓33	29° 1	9°23	0♉38	28° 8	10°34	1°47	23°22	6°22	16° 3	14°41	21°21	20°52	T 12
F 13	13 45 41	28° 6'20	14°28	1♉10	10°30	1°22	28° 7	10°32	1°46	23°24	6°23	16°R 3	14°38	21°28	20°49	F 13
S 14	13 49 37	29° 4'27	28°13	3°20	11°37	2° 5	28° 6	10°29	1°45	23°26	6°24	16° 3	14°35	21°35	20°46	S 14
S 15	13 53 34	0♉ 2'33	11♈49	5°29	12°43	2°49	28° 5	10°27	1°45	23°28	6°25	16° 0	14°32	21°41	20°43	S 15
M16	13 57 30	1° 0'38	25°12	7°38	13°50	3°32	28° 4	10°25	1°44	23°30	6°26	15°56	14°29	21°48	20°40	M16
T 17	14 1 27	1°58'40	8♉22	9°46	14°56	4°15	28° 4	10°23	1°43	23°32	6°27	15°49	14°25	21°55	20°37	T 17
W18	14 5 24	2°56'41	21°17	11°52	16° 2	4°59	28° 3	10°21	1°42	23°35	6°28	15°41	14°22	22° 1	20°35	W18
T 19	14 9 20	3°54'41	3♊56	13°58	17° 8	5°42	28°D 3	10°19	1°41	23°37	6°29	15°32	14°19	22° 8	20°32	T 19
F 20	14 13 17	4°52'38	16°20	16° 1	18°14	6°25	28° 3	10°17	1°40	23°39	6°30	15°24	14°16	22°15	20°30	F 20
S 21	14 17 13	5°50'34	28°31	18° 3	19°19	7° 8	28° 4	10°15	1°39	23°41	6°31	15°17	14°13	22°21	20°27	S 21
S 22	14 21 10	6°48'28	10♋31	20° 2	20°24	7°51	28° 4	10°14	1°38	23°43	6°32	15°11	14°10	22°28	20°25	S 22
M23	14 25 6	7°46'21	22°24	21°59	21°29	8°34	28° 5	10°12	1°37	23°45	6°33	15° 8	14° 6	22°35	20°23	M23
T 24	14 29 3	8°44'11	4♌15	23°53	22°34	9°17	28° 5	10°11	1°36	23°47	6°33	15°D 6	14° 3	22°41	20°21	T 24
W25	14 32 59	9°42'00	16° 8	25°45	23°39	10° 0	28° 6	10°10	1°35	23°50	6°34	15° 7	14° 0	22°48	20°19	W25
T 26	14 36 56	10°39'47	28° 9	27°33	24°43	10°43	28° 8	10° 9	1°34	23°52	6°35	15° 7	13°57	22°55	20°17	T 26
F 27	14 40 52	11°37'32	10♍22	29°19	25°47	11°26	28° 9	10° 7	1°33	23°54	6°36	15°R 8	13°54	23° 2	20°15	F 27
S 28	14 44 49	12°35'15	22°53	1♊ 1	26°51	12° 9	28°10	10° 7	1°31	23°56	6°37	15° 8	13°51	23° 8	20°13	S 28
S 29	14 48 46	13°32'57	5♎45	2°41	27°55	12°51	28°12	10° 6	1°30	23°58	6°37	15° 6	13°47	23°15	20°12	S 29
M30	14 52 42	14♉30'37	19♎ 1	4♊17	28♊58	13♉34	28♏14	10♍ 5	1♑29	24♉ 1	6♓38	15♍ 2	13♍44	23♋22	20♍10	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n30	1n51	1n 1	0n55	1s42	21n22	1n51	8n34	0s18	13n22	1n26	9n38	2n22	23s49	0s16	17n 0	1s40	22s36	14s23	5n21	5n50	17n52	0s23	4s 5
M 2	6 52	2s18	2 9	1 48	1 35	21 41	1 54	8 51	0 17	13 23	1 25	9 39	2 22	23 49	0 16	17 1	1 40	22 35	14 23	5 22	5 51	17 51	0 21	4 5
T 3	7 15	6 26	3 11	2 42	1 28	21 59	1 57	9 8	0 16	13 24	1 25	9 40	2 22	23 49	0 16	17 1	1 40	22 35	14 23	5 23	5 52	17 51	0 19	4 4
W 4	7 37	10 19	4 4	3 36	1 20	22 17	2 0	9 25	0 16	13 25	1 25	9 41	2 22	23 49	0 16	17 2	1 40	22 35	14 23	5 25	5 54	17 50	0 17	4 4
T 5	7 59	13 42	4 43	4 32	1 12	22 34	2 3	9 41	0 15	13 26	1 25	9 42	2 22	23 49	0 16	17 2	1 40	22 35	14 24	5 27	5 55	17 50	0 15	4 3
F 6	8 21	16 20	5 6	5 27	1 3	22 50	2 6	9 58	0 15	13 26	1 25	9 43	2 22	23 49	0 16	17 3	1 40	22 34	14 24	5 29	5 56	17 49	0 13	4 3
S 7	8 43	18 0	5 10	6 24	0 54	23 6	2 8	10 14	0 14	13 27	1 25	9 44	2 22	23 49	0 16	17 3	1 40	22 34	14 24	5 31	5 57	17 49	0 11	4 2
S 8	9 5	18 34	4 56	7 21	0 45	23 22	2 11	10 31	0 13	13 28	1 24	9 45	2 21	23 49	0 16	17 4	1 40	22 34	14 24	5 32	5 59	17 48	0 9	4 2
M 9	9 26	17 57	4 23	8 17	0 35	23 37	2 14	10 47	0 13	13 28	1 24	9 46	2 21	23 49	0 16	17 4	1 40	22 34	14 25	5 33	6 0	17 48	0 7	4 1
T 10	9 48	16 14	3 35	9 14	0 25	23 51	2 16	11 3	0 12	13 29	1 24	9 47	2 21	23 49	0 16	17 5	1 40	22 34	14 25	5 33	6 1	17 47	0 5	4 1
W11	10 9	13 31	2 33	10 11	0 14	24 5	2 19	11 19	0 11	13 29	1 24	9 48	2 21	23 49	0 16	17 5	1 40	22 33	14 25	5 32	6 2	17 47	0 4	4 0
T 12	10 30	10 2	1 23	11 7	0 4	24 18	2 21	11 35	0 11	13 29	1 24	9 49	2 21	23 49	0 16	17 6	1 40	22 33	14 25	5 32	6 3	17 46	0 2	3 59
F 13	10 51	6 1	0 9	12 3	0n 7	24 30	2 24	11 51	0 10	13 30	1 23	9 50	2 21	23 49	0 16	17 6	1 40	22 33	14 26	5 32	6 5	17 46	0 0	3 59
S 14	11 12	1 43	1s 5	12 58	0 17	24 42	2 26	12 7	0 9	13 30	1 23	9 50	2 21	23 49	0 16	17 7	1 40	22 33	14 26	5 32	6 6	17 45	0n 2	3 58
S 15	11 33	2n38	2 15	13 51	0 28	24 53	2 28	12 22	0 9	13 30	1 23	9 51	2 20	23 49	0 16	17 7	1 40	22 33	14 26	5 33	6 7	17 45	0 3	3 58
M16	11 53	6 46	3 16	14 44	0 39	25 4	2 30	12 38	0 8	13 30	1 23	9 52	2 20	23 49	0 16	17 8	1 40	22 33	14 27	5 35	6 8	17 44	0 5	3 57
T 17	12 13	10 30	4 5	15 35	0 49	25 13	2 32	12 53	0 8	13 30	1 23	9 52	2 20	23 49	0 16	17 9	1 40	22 33	14 27	5 37	6 10	17 44	0 7	3 57
W18	12 33	13 40	4 40	16 25	0 59	25 23	2 34	13 8	0 7	13 30	1 23	9 53	2 20	23 49	0 16	17 9	1 40	22 32	14 27	5 40	6 11	17 43	0 8	3 56
T 19	12 53	16 7	5 1	17 12	1 9	25 31	2 36	13 23	0 6	13 30	1 22	9 54	2 20	23 49	0 16	17 10	1 40	22 32	14 28	5 44	6 12	17 43	0 10	3 55
F 20	13 13	17 46	5 7	17 58	1 18	25 39	2 38	13 38	0 6	13 29	1 22	9 54	2 20	23 49	0 16	17 10	1 40	22 32	14 28	5 47	6 13	17 42	0 11	3 55
S 21	13 32	18 34	4 59	18 41	1 27	25 47	2 40	13 53	0 5	13 29	1 22	9 55	2 20	23 49	0 16	17 11	1 39	22 32	14 28	5 50	6 15	17 42	0 13	3 54
S 22	13 51	18 31	4 38	19 23	1 36	25 53	2 41	14 8	0 4	13 29	1 22	9 55	2 19	23 49	0 16	17 11	1 39	22 32	14 28	5 52	6 16	17 41	0 14	3 53
M23	14 10	17 39	4 5	20 1	1 44	25 59	2 43	14 22	0 4	13 28	1 22	9 55	2 19	23 49	0 16	17 12	1 39	22 32	14 29	5 53	6 17	17 41	0 16	3 53
T 24	14 29	16 2	3 22	20 38	1 51	26 5	2 44	14 37	0 3	13 28	1 21	9 56	2 19	23 49	0 16	17 12	1 39	22 32	14 29	5 54	6 18	17 40	0 17	3 52
W25	14 47	13 42	2 29	21 12	1 58	26 10	2 46	14 51	0 2	13 28	1 21	9 56	2 19	23 49	0 16	17 13	1 39	22 32	14 29	5 54	6 19	17 40	0 19	3 52
T 26	15 6	10 46	1 30	21 43	2 3	26 14	2 47	15 5	0 2	13 27	1 21	9 56	2 19	23 49	0 16	17 14	1 39	22 32	14 30	5 53	6 21	17 39	0 20	3 51
F 27	15 24	7 19	0 26	22 12	2 9	26 17	2 48	15 19	0 1	13 26	1 21	9 57	2 19	23 49	0 16	17 14	1 39	22 32	14 30	5 53	6 22	17 39	0 21	3 50
S 28	15 42	3 28	0n41	22 38	2 13	26 20	2 49	15 33	0 1	13 26	1 21	9 57	2 18	23 49	0 16	17 15	1 39	22 32	14 30	5 53	6 23	17 38	0 22	3 50
S 29	15 59	0s39	1 48	23 2	2 17	26 22	2 50	15 46	0n 0	13 25	1 20	9 57	2 18	23 49	0 16	17 15	1 39	22 32	14 31	5 54	6 24	17 37	0 24	3 49
M30	16n16	4s51	2n51	23n23	2n19	26n24	2n50	16n 0	0n 1	13n24	1n20	9n57	2n18	23s49	0s16	17n16	1s39	22s32	14s31	5n56	6n26	17n37	0n25	3s48

Julian Day Number = 2110869.5, Delta T = 19m35s
Ecliptic obliquity = 23°33'28, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°44'17, Lahiri = 10°51'17 Julian Calendar 1 Apr. 1067 == Greg. Calendar 7 Apr. 1067

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1067
geocentric

MAY 1067 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 56 39	15♉28'16	2♏40	5♊50	0♋ 1	14♉16	28♌16	10°R 4	1°R27	24♉ 3	6♓39	14°R55	13♍41	23♋28	20°R 9	T 1
W 2	15 0 35	16°25'54	16°41	7°19	1° 4	14°59	28°18	10♍ 4	1♉26	24° 5	6°40	14♍47	13°38	23°35	20♍ 8	W 2
T 3	15 4 32	17°23'30	1♐ 0	8°45	2° 6	15°41	28°21	10° 3	1°24	24° 7	6°40	14°37	13°35	23°42	20° 7	T 3
F 4	15 8 28	18°21'05	15°31	10° 8	3° 8	16°24	28°23	10° 3	1°23	24°10	6°41	14°28	13°31	23°48	20° 6	F 4
S 5	15 12 25	19°18'39	0♑ 7	11°27	4°10	17° 6	28°26	10° 2	1°21	24°12	6°42	14°19	13°28	23°55	20° 5	S 5
S 6	15 16 21	20°16'12	14°41	12°42	5°12	17°49	28°29	10° 2	1°20	24°14	6°42	14°13	13°25	24° 2	20° 4	S 6
M 7	15 20 18	21°13'44	29° 8	13°54	6°13	18°31	28°32	10°D 2	1°18	24°16	6°43	14° 9	13°22	24° 8	20° 3	M 7
T 8	15 24 15	22°11'15	13♒23	15° 3	7°14	19°13	28°35	10° 2	1°16	24°19	6°43	14° 7	13°19	24°15	20° 3	T 8
W 9	15 28 11	23° 8'45	27°26	16° 7	8°14	19°55	28°39	10° 2	1°15	24°21	6°44	14°D 7	13°16	24°22	20° 2	W 9
T 10	15 32 8	24° 6'14	11♓15	17° 8	9°14	20°37	28°42	10° 3	1°13	24°23	6°45	14°R 7	13°12	24°29	20° 2	T 10
F 11	15 36 4	25° 3'43	24°51	18° 6	10°14	21°20	28°46	10° 3	1°11	24°25	6°45	14° 7	13° 9	24°35	20° 2	F 11
S 12	15 40 1	26° 1'11	8♈15	18°59	11°14	22° 2	28°50	10° 3	1° 9	24°28	6°46	14° 5	13° 6	24°42	20° 1	S 12
S 13	15 43 57	26°58'38	21°28	19°48	12°13	22°44	28°54	10° 4	1° 7	24°30	6°46	14° 0	13° 3	24°49	20°D 1	S 13
M14	15 47 54	27°56'04	4♉29	20°33	13°12	23°26	28°58	10° 5	1° 6	24°32	6°46	13°52	13° 0	24°55	20° 1	M14
T 15	15 51 50	28°53'29	17°19	21°15	14°10	24° 7	29° 3	10° 5	1° 4	24°34	6°47	13°42	12°56	25° 2	20° 2	T 15
W16	15 55 47	29°50'53	29°57	21°51	15° 8	24°49	29° 7	10° 6	1° 2	24°37	6°47	13°30	12°53	25° 9	20° 2	W16
T 17	15 59 44	0♊48'17	12♊24	22°24	16° 5	25°31	29°12	10° 7	1° 0	24°39	6°48	13°17	12°50	25°15	20° 2	T 17
F 18	16 3 40	1°45'40	24°39	22°52	17° 2	26°13	29°17	10° 8	0°58	24°41	6°48	13° 5	12°47	25°22	20° 3	F 18
S 19	16 7 37	2°43'01	6♋44	23°16	17°59	26°55	29°22	10° 9	0°56	24°43	6°48	12°53	12°44	25°29	20° 4	S 19
S 20	16 11 33	3°40'22	18°40	23°35	18°55	27°36	29°27	10°10	0°54	24°45	6°49	12°44	12°41	25°35	20° 4	S 20
M21	16 15 30	4°37'42	0♌31	23°50	19°50	28°18	29°32	10°12	0°52	24°48	6°49	12°37	12°37	25°42	20° 5	M21
T 22	16 19 26	5°35'01	12°20	24° 0	20°45	28°59	29°38	10°13	0°50	24°50	6°49	12°34	12°34	25°49	20° 6	T 22
W23	16 23 23	6°32'18	24°11	24° 6	21°40	29°41	29°43	10°15	0°47	24°52	6°49	12°32	12°31	25°55	20° 7	W23
T 24	16 27 19	7°29'35	6♍10	24°R 7	22°34	0♊22	29°49	10°16	0°45	24°54	6°50	12°31	12°28	26° 2	20° 8	T 24
F 25	16 31 16	8°26'51	18°22	24° 4	23°27	1° 4	29°55	10°18	0°43	24°57	6°50	12°31	12°25	26° 9	20°10	F 25
S 26	16 35 13	9°24'06	0♎52	23°56	24°20	1°45	0♍ 1	10°20	0°41	24°59	6°50	12°30	12°22	26°16	20°11	S 26
S 27	16 39 9	10°21'20	13°45	23°44	25°12	2°26	0° 7	10°22	0°39	25° 1	6°50	12°28	12°18	26°22	20°13	S 27
M28	16 43 6	11°18'33	27° 5	23°28	26° 3	3° 8	0°14	10°24	0°37	25° 3	6°50	12°23	12°15	26°29	20°14	M28
T 29	16 47 2	12°15'46	10♏53	23° 8	26°54	3°49	0°20	10°26	0°34	25° 5	6°50	12°16	12°12	26°36	20°16	T 29
W30	16 50 59	13°12'58	25° 8	22°44	27°44	4°30	0°27	10°28	0°32	25° 7	6°50	12° 6	12° 9	26°42	20°18	W30
T 31	16 54 55	14♊10'09	9♐45	22♊18	28♋34	5♊11	0♍33	10♍31	0♑30	25♉10	6♓50	11♍55	12♍ 6	26♋49	20♍20	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n33	8s56	3n46	23n42	2n21	26n25	2n51	16n13	0n 1	13n23	1n20	9n57	2n18	23s49	0s16	17n16	1s39	22s32	14s31	5n58	6n27	17n36	0n26	3s48
W 2	16 50	12 37	4 28	23 59	2 23	26 25	2 52	16 27	0 2	13 22	1 20	9 57	2 18	23 49	0 16	17 17	1 39	22 32	14 32	6 1	6 28	17 36	0 27	3 47
T 3	17 6	15 39	4 55	24 13	2 23	26 24	2 52	16 40	0 3	13 21	1 20	9 57	2 17	23 50	0 17	17 18	1 39	22 32	14 32	6 5	6 29	17 35	0 28	3 46
F 4	17 23	17 44	5 3	24 25	2 22	26 23	2 52	16 52	0 3	13 20	1 19	9 57	2 17	23 50	0 17	17 18	1 39	22 32	14 32	6 9	6 31	17 35	0 29	3 46
S 5	17 38	18 41	4 52	24 35	2 21	26 22	2 52	17 5	0 4	13 19	1 19	9 57	2 17	23 50	0 17	17 19	1 39	22 32	14 33	6 12	6 32	17 34	0 30	3 45
S 6	17 54	18 24	4 22	24 43	2 19	26 20	2 52	17 18	0 4	13 18	1 19	9 57	2 17	23 50	0 17	17 19	1 39	22 32	14 33	6 15	6 33	17 33	0 31	3 44
M 7	18 9	16 55	3 35	24 49	2 16	26 17	2 52	17 30	0 5	13 16	1 19	9 57	2 17	23 50	0 17	17 20	1 39	22 32	14 34	6 16	6 34	17 33	0 32	3 44
T 8	18 24	14 24	2 36	24 54	2 12	26 13	2 52	17 42	0 6	13 15	1 19	9 57	2 17	23 50	0 17	17 20	1 39	22 33	14 34	6 17	6 35	17 32	0 33	3 43
W 9	18 39	11 3	1 28	24 56	2 7	26 9	2 52	17 55	0 6	13 14	1 18	9 57	2 16	23 50	0 17	17 21	1 39	22 33	14 34	6 17	6 37	17 32	0 34	3 42
T 10	18 53	7 9	0 15	24 56	2 1	26 5	2 51	18 6	0 7	13 12	1 18	9 56	2 16	23 50	0 17	17 21	1 39	22 33	14 35	6 17	6 38	17 31	0 34	3 42
F 11	19 8	2 55	0s57	24 55	1 54	25 59	2 50	18 18	0 8	13 11	1 18	9 56	2 16	23 50	0 17	17 22	1 39	22 33	14 35	6 17	6 39	17 31	0 35	3 41
S 12	19 21	1n23	2 4	24 53	1 47	25 54	2 49	18 30	0 8	13 9	1 18	9 56	2 16	23 50	0 17	17 22	1 39	22 33	14 35	6 18	6 40	17 30	0 36	3 40
S 13	19 35	5 34	3 4	24 48	1 39	25 47	2 48	18 41	0 9	13 8	1 18	9 55	2 16	23 50	0 17	17 23	1 39	22 33	14 36	6 20	6 42	17 29	0 36	3 40
M14	19 48	9 25	3 53	24 43	1 30	25 40	2 47	18 52	0 9	13 6	1 18	9 55	2 15	23 50	0 17	17 24	1 39	22 33	14 36	6 22	6 43	17 29	0 37	3 39
T 15	20 1	12 46	4 30	24 36	1 20	25 33	2 46	19 3	0 10	13 4	1 17	9 54	2 15	23 50	0 17	17 24	1 39	22 34	14 36	6 26	6 44	17 28	0 38	3 38
W16	20 13	15 28	4 53	24 27	1 9	25 25	2 44	19 14	0 11	13 2	1 17	9 54	2 15	23 50	0 17	17 25	1 39	22 34	14 37	6 31	6 45	17 28	0 38	3 38
T 17	20 25	17 25	5 1	24 18	0 58	25 17	2 43	19 25	0 11	13 1	1 17	9 53	2 15	23 50	0 17	17 25	1 39	22 34	14 37	6 36	6 46	17 27	0 38	3 37
F 18	20 37	18 32	4 55	24 7	0 45	25 8	2 41	19 36	0 12	12 59	1 17	9 53	2 15	23 50	0 17	17 26	1 39	22 34	14 38	6 41	6 48	17 26	0 39	3 36
S 19	20 48	18 48	4 36	23 55	0 32	24 58	2 39	19 46	0 12	12 57	1 17	9 52	2 14	23 50	0 17	17 26	1 39	22 34	14 38	6 45	6 49	17 26	0 39	3 36
S 20	20 59	18 13	4 4	23 43	0 19	24 48	2 37	19 56	0 13	12 55	1 16	9 52	2 14	23 50	0 17	17 27	1 39	22 35	14 38	6 49	6 50	17 25	0 40	3 35
M21	21 10	16 50	3 23	23 29	0 4	24 38	2 34	20 6	0 14	12 53	1 16	9 51	2 14	23 50	0 17	17 27	1 39	22 35	14 39	6 51	6 51	17 25	0 40	3 34
T 22	21 20	14 45	2 33	23 14	0s11	24 27	2 32	20 16	0 14	12 51	1 16	9 50	2 14	23 50	0 17	17 28	1 39	22 35	14 39	6 53	6 53	17 24	0 40	3 34
W23	21 30	12 1	1 36	22 59	0 26	24 16	2 29	20 25	0 15	12 49	1 16	9 49	2 14	23 50	0 17	17 28	1 39	22 35	14 39	6 54	6 54	17 23	0 40	3 33
T 24	21 40	8 46	0 34	22 43	0 42	24 4	2 26	20 35	0 15	12 46	1 16	9 49	2 14	23 50	0 17	17 29	1 39	22 36	14 40	6 54	6 55	17 23	0 40	3 32
F 25	21 49	5 6	0n31	22 27	0 59	23 52	2 23	20 44	0 16	12 44	1 16	9 48	2 13	23 50	0 17	17 29	1 39	22 36	14 40	6 54	6 56	17 22	0 41	3 32
S 26	21 58	1 7	1 36	22 10	1 15	23 39	2 20	20 53	0 17	12 42	1 15	9 47	2 13	23 50	0 17	17 30	1 39	22 36	14 40	6 54	6 57	17 21	0 41	3 31
S 27	22 7	3s 2	2 37	21 52	1 32	23 26	2 17	21 2	0 17	12 39	1 15	9 46	2 13	23 50	0 17	17 31	1 39	22 36	14 41	6 55	6 59	17 21	0 41	3 30
M28	22 15	7 11	3 32	21 35	1 49	23 13	2 13	21 11	0 18	12 37	1 15	9 45	2 13	23 50	0 17	17 31	1 39	22 37	14 41	6 57	7 0	17 20	0 41	3 29
T 29	22 23	11 5	4 17	21 17	2 6	22 59	2 9	21 19	0 18	12 35	1 15	9 44	2 13	23 50	0 17	17 32	1 39	22 37	14 42	7 0	7 1	17 20	0 40	3 29
W30	22 30	14 29	4 48	20 59	2 22	22 45	2 5	21 27	0 19	12 32	1 15	9 43	2 12	23 50	0 17	17 32	1 39	22 37	14 42	7 3	7 2	17 19	0 40	3 28
T 31	22n37	17s 4	5n 0	20n42	2s38	22n31	2n 1	21n36	0n20	12n29	1n14	9n42	2n12	23s50	0s17	17n33	1s39	22s38	14s42	7n 8	7n 4	17n18	0n40	3s27

Julian Day Number = 2110899.5, Delta T = 19m35s
Ecliptic obliquity = 23°33'28, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°44'21, Lahiri = 10°51'21 Julian Calendar 1 May 1067 == Greg. Calendar 7 May 1067

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1067
geocentric

JUNE 1067 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 58 52	15♊ 7'20	24♐38	21°R48	29♋22	5♊52	0♍40	10♍33	0°R27	25♉12	6°R50	11°R44	12♍ 2	26♋56	20♍22	F 1
S 2	17 2 49	16° 4'31	9♑37	21♊17	0♌10	6°33	0°47	10°36	0♑25	25°14	6♓50	11♍34	11°59	27° 2	20°24	S 2
S 3	17 6 45	17° 1'41	24°34	20°44	0°57	7°14	0°54	10°38	0°23	25°16	6°50	11°27	11°56	27° 9	20°27	S 3
M 4	17 10 42	17°58'51	9♒19	20° 9	1°44	7°55	1° 2	10°41	0°20	25°18	6°50	11°22	11°53	27°16	20°29	M 4
T 5	17 14 38	18°56'01	23°48	19°34	2°29	8°36	1° 9	10°44	0°18	25°20	6°50	11°19	11°50	27°22	20°32	T 5
W 6	17 18 35	19°53'11	7♓58	18°59	3°14	9°17	1°16	10°47	0°16	25°22	6°50	11°D18	11°47	27°29	20°34	W 6
T 7	17 22 31	20°50'21	21°47	18°25	3°57	9°58	1°24	10°50	0°13	25°24	6°50	11°R18	11°43	27°36	20°37	T 7
F 8	17 26 28	21°47'32	5♈16	17°51	4°40	10°39	1°32	10°53	0°11	25°26	6°50	11°18	11°40	27°42	20°40	F 8
S 9	17 30 24	22°44'42	18°28	17°20	5°22	11°19	1°40	10°56	0° 9	25°28	6°50	11°16	11°37	27°49	20°43	S 9
S 10	17 34 21	23°41'52	1♉26	16°51	6° 2	12° 0	1°48	10°59	0° 6	25°30	6°49	11°11	11°34	27°56	20°46	S 10
M11	17 38 18	24°39'03	14°10	16°24	6°42	12°41	1°56	11° 2	0° 4	25°32	6°49	11° 4	11°31	28° 2	20°49	M11
T 12	17 42 14	25°36'14	26°42	16° 1	7°20	13°21	2° 4	11° 6	0° 1	25°35	6°49	10°54	11°28	28° 9	20°52	T 12
W13	17 46 11	26°33'24	9♊ 4	15°42	7°58	14° 2	2°12	11° 9	29♐59	25°36	6°49	10°42	11°24	28°16	20°56	W13
T 14	17 50 7	27°30'35	21°17	15°27	8°34	14°42	2°21	11°13	29°57	25°38	6°48	10°29	11°21	28°23	20°59	T 14
F 15	17 54 4	28°27'46	3♋22	15°16	9° 9	15°23	2°29	11°17	29°54	25°40	6°48	10°17	11°18	28°29	21° 3	F 15
S 16	17 58 0	29°24'57	15°20	15° 9	9°43	16° 3	2°38	11°20	29°52	25°42	6°48	10° 5	11°15	28°36	21° 6	S 16
S 17	18 1 57	0♋22'08	27°11	15°D 8	10°15	16°43	2°47	11°24	29°49	25°44	6°48	9°56	11°12	28°43	21°10	S 17
M18	18 5 53	1°19'19	9♌ 0	15°11	10°46	17°24	2°56	11°28	29°47	25°46	6°47	9°50	11° 8	28°49	21°14	M18
T 19	18 9 50	2°16'30	20°48	15°19	11°15	18° 4	3° 5	11°32	29°44	25°48	6°47	9°46	11° 5	28°56	21°18	T 19
W20	18 13 47	3°13'41	2♍38	15°33	11°43	18°44	3°14	11°36	29°42	25°50	6°46	9°44	11° 2	29° 3	21°22	W20
T 21	18 17 43	4°10'52	14°37	15°52	12°10	19°24	3°23	11°40	29°40	25°52	6°46	9°D44	10°59	29° 9	21°26	T 21
F 22	18 21 40	5° 8'03	26°47	16°16	12°35	20° 5	3°32	11°45	29°37	25°54	6°45	9°44	10°56	29°16	21°30	F 22
S 23	18 25 36	6° 5'13	9♎15	16°45	12°58	20°45	3°42	11°49	29°35	25°56	6°45	9°R44	10°53	29°23	21°35	S 23
S 24	18 29 33	7° 2'24	22° 6	17°20	13°19	21°25	3°51	11°53	29°32	25°57	6°44	9°43	10°49	29°29	21°39	S 24
M25	18 33 29	7°59'35	5♏23	18° 0	13°39	22° 5	4° 1	11°58	29°30	25°59	6°44	9°40	10°46	29°36	21°44	M25
T 26	18 37 26	8°56'46	19° 9	18°45	13°57	22°45	4°11	12° 2	29°28	26° 1	6°43	9°35	10°43	29°43	21°48	T 26
W27	18 41 22	9°53'58	3♐25	19°35	14°13	23°25	4°20	12° 7	29°25	26° 3	6°43	9°28	10°40	29°49	21°53	W27
T 28	18 45 19	10°51'09	18° 7	20°30	14°26	24° 4	4°30	12°12	29°23	26° 4	6°42	9°20	10°37	29°56	21°58	T 28
F 29	18 49 16	11°48'22	3♑ 9	21°30	14°38	24°44	4°40	12°16	29°20	26° 6	6°42	9°11	10°34	0♌ 3	22° 3	F 29
S 30	18 53 12	12♋45'34	18♑21	22♊35	14♌48	25♊24	4♍50	12♍21	29♐18	26♉ 8	6♓41	9♍ 3	10♍30	0♌ 9	22♍ 8	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n43	18s34	4n53	20n25	2s54	22n16	1n56	21n43	0n20	12n27	1n14	9n41	2n12	23s50	0s17	17n33	1s39	22s38	14s43	7n12	7n 5	17n18	0n40	3s27
S 2	22 50	18 47	4 26	20 8	3 9	22 2	1 51	21 51	0 21	12 24	1 14	9 40	2 12	23 50	0 17	17 34	1 39	22 38	14 43	7 15	7 6	17 17	0 40	3 26
S 3	22 55	17 42	3 40	19 51	3 23	21 46	1 46	21 59	0 21	12 21	1 14	9 39	2 12	23 50	0 17	17 34	1 39	22 39	14 43	7 18	7 7	17 16	0 39	3 25
M 4	23 1	15 26	2 41	19 36	3 36	21 31	1 41	22 6	0 22	12 19	1 14	9 37	2 12	23 50	0 17	17 35	1 39	22 39	14 44	7 20	7 8	17 16	0 39	3 25
T 5	23 6	12 13	1 31	19 21	3 48	21 15	1 36	22 13	0 23	12 16	1 14	9 36	2 11	23 50	0 17	17 35	1 39	22 39	14 44	7 21	7 10	17 15	0 39	3 24
W 6	23 10	8 21	0 18	19 8	3 59	20 59	1 30	22 20	0 23	12 13	1 14	9 35	2 11	23 50	0 17	17 35	1 39	22 40	14 45	7 22	7 11	17 14	0 38	3 24
T 7	23 14	4 7	0s55	18 55	4 9	20 43	1 24	22 27	0 24	12 10	1 13	9 34	2 11	23 51	0 17	17 36	1 39	22 40	14 45	7 22	7 12	17 14	0 38	3 23
F 8	23 18	0n13	2 3	18 44	4 17	20 27	1 18	22 33	0 24	12 7	1 13	9 32	2 11	23 51	0 17	17 36	1 39	22 41	14 45	7 22	7 13	17 13	0 37	3 22
S 9	23 21	4 27	3 3	18 35	4 23	20 11	1 11	22 40	0 25	12 4	1 13	9 31	2 11	23 51	0 17	17 37	1 39	22 41	14 46	7 23	7 14	17 12	0 37	3 22
S 10	23 24	8 24	3 52	18 27	4 29	19 54	1 5	22 46	0 26	12 1	1 13	9 30	2 10	23 51	0 17	17 37	1 39	22 41	14 46	7 24	7 16	17 12	0 36	3 21
M11	23 27	11 53	4 29	18 21	4 32	19 37	0 58	22 52	0 26	11 58	1 13	9 28	2 10	23 51	0 17	17 38	1 40	22 42	14 46	7 27	7 17	17 11	0 35	3 20
T 12	23 29	14 47	4 52	18 16	4 34	19 21	0 51	22 57	0 27	11 55	1 13	9 27	2 10	23 51	0 17	17 38	1 40	22 42	14 47	7 31	7 18	17 10	0 35	3 20
W13	23 31	16 58	5 1	18 14	4 35	19 4	0 43	23 3	0 27	11 52	1 12	9 25	2 10	23 51	0 17	17 39	1 40	22 43	14 47	7 35	7 19	17 10	0 34	3 19
T 14	23 32	18 21	4 56	18 13	4 34	18 47	0 35	23 8	0 28	11 49	1 12	9 24	2 10	23 51	0 17	17 39	1 40	22 43	14 47	7 40	7 21	17 9	0 33	3 18
F 15	23 33	18 53	4 38	18 14	4 32	18 30	0 27	23 13	0 28	11 46	1 12	9 22	2 10	23 51	0 17	17 40	1 40	22 43	14 48	7 45	7 22	17 8	0 32	3 18
S 16	23 33	18 35	4 7	18 16	4 29	18 13	0 19	23 18	0 29	11 42	1 12	9 20	2 9	23 51	0 17	17 40	1 40	22 44	14 48	7 49	7 23	17 7	0 31	3 17
S 17	23 33	17 27	3 26	18 21	4 24	17 56	0 11	23 23	0 30	11 39	1 12	9 19	2 9	23 51	0 17	17 40	1 40	22 44	14 48	7 53	7 24	17 7	0 31	3 16
M18	23 33	15 35	2 36	18 27	4 18	17 39	0 2	23 27	0 30	11 36	1 12	9 17	2 9	23 51	0 17	17 41	1 40	22 45	14 49	7 55	7 25	17 6	0 30	3 16
T 19	23 32	13 4	1 39	18 35	4 11	17 22	0s 7	23 32	0 31	11 32	1 12	9 15	2 9	23 51	0 17	17 41	1 40	22 45	14 49	7 57	7 27	17 5	0 29	3 15
W20	23 31	10 0	0 38	18 44	4 3	17 5	0 17	23 36	0 31	11 29	1 11	9 14	2 9	23 51	0 17	17 42	1 40	22 46	14 49	7 58	7 28	17 5	0 28	3 15
T 21	23 29	6 29	0n26	18 55	3 55	16 49	0 26	23 40	0 32	11 25	1 11	9 12	2 9	23 51	0 17	17 42	1 40	22 46	14 50	7 58	7 29	17 4	0 27	3 14
F 22	23 27	2 39	1 30	19 7	3 45	16 32	0 36	23 43	0 32	11 22	1 11	9 10	2 8	23 51	0 17	17 43	1 40	22 47	14 50	7 57	7 30	17 3	0 25	3 13
S 23	23 25	1s22	2 31	19 20	3 34	16 16	0 47	23 47	0 33	11 18	1 11	9 8	2 8	23 51	0 17	17 43	1 40	22 47	14 50	7 57	7 31	17 2	0 24	3 13
S 24	23 22	5 27	3 26	19 35	3 23	15 59	0 57	23 50	0 34	11 15	1 11	9 7	2 8	23 51	0 17	17 43	1 40	22 48	14 51	7 58	7 33	17 2	0 23	3 12
M25	23 19	9 25	4 13	19 50	3 11	15 43	1 8	23 53	0 34	11 11	1 11	9 5	2 8	23 51	0 17	17 44	1 40	22 48	14 51	7 59	7 34	17 1	0 22	3 12
T 26	23 15	13 0	4 46	20 6	2 59	15 27	1 19	23 56	0 35	11 7	1 11	9 3	2 8	23 51	0 17	17 44	1 40	22 49	14 51	8 1	7 35	17 0	0 21	3 11
W27	23 11	15 59	5 3	20 23	2 46	15 12	1 31	23 59	0 35	11 4	1 11	9 1	2 8	23 51	0 17	17 44	1 40	22 49	14 52	8 4	7 36	17 0	0 19	3 10
T 28	23 7	18 1	5 2	20 40	2 33	14 57	1 43	24 1	0 36	11 0	1 10	8 59	2 8	23 51	0 17	17 45	1 40	22 50	14 52	8 7	7 37	16 59	0 18	3 10
F 29	23 2	18 52	4 39	20 57	2 20	14 42	1 55	24 3	0 36	10 56	1 10	8 57	2 7	23 51	0 17	17 45	1 40	22 50	14 52	8 10	7 39	16 58	0 16	3 9
S 30	22n57	18s23	3n57	21n15	2s 6	14n27	2s 7	24n 5	0n37	10n52	1n10	8n55	2n 7	23s51	0s17	17n46	1s40	22s51	14s53	8n13	7n40	16n57	0n15	3s 9

Julian Day Number = 2110930.5, Delta T = 19m35s
Ecliptic obliquity = 23°33'27, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°44'25, Lahiri = 10°51'25 Julian Calendar 1 June 1067 == Greg. Calendar 7 June 1067

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1067
geocentric

JULY 1067 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 57 9	13♋42'47	3♒33	23♊45	14♌56	26♊ 4	5♍ 0	12♍26	29°R16	26♉ 9	6°R40	8°R57	10♍27	0♌16	22♍13	S 1
M 2	19 1 5	14°40'01	18°36	25° 0	15° 1	26°44	5°11	12°31	29♐14	26°11	6♓40	8♍54	10°24	0°23	22°18	M 2
T 3	19 5 2	15°37'15	3♓21	26°19	15° 4	27°23	5°21	12°36	29°11	26°13	6°39	8°D52	10°21	0°29	22°23	T 3
W 4	19 8 58	16°34'30	17°43	27°43	15°R 5	28° 3	5°31	12°41	29° 9	26°14	6°38	8°52	10°18	0°36	22°29	W 4
T 5	19 12 55	17°31'47	1♈40	29°11	15° 4	28°42	5°42	12°46	29° 7	26°16	6°38	8°53	10°14	0°43	22°34	T 5
F 6	19 16 51	18°29'04	15°13	0♋44	15° 0	29°22	5°52	12°52	29° 4	26°17	6°37	8°R54	10°11	0°49	22°39	F 6
S 7	19 20 48	19°26'22	28°23	2°20	14°54	0♋ 2	6° 3	12°57	29° 2	26°19	6°36	8°53	10° 8	0°56	22°45	S 7
S 8	19 24 45	20°23'41	11♉14	4° 1	14°46	0°41	6°14	13° 2	29° 0	26°20	6°35	8°51	10° 5	1° 3	22°51	S 8
M 9	19 28 41	21°21'02	23°49	5°45	14°35	1°20	6°24	13° 8	28°58	26°22	6°35	8°47	10° 2	1°10	22°56	M 9
T 10	19 32 38	22°18'23	6♊10	7°33	14°22	2° 0	6°35	13°13	28°56	26°23	6°34	8°41	9°59	1°16	23° 2	T 10
W11	19 36 34	23°15'46	18°21	9°24	14° 6	2°39	6°46	13°19	28°53	26°25	6°33	8°34	9°55	1°23	23° 8	W11
T 12	19 40 31	24°13'09	0♋23	11°18	13°48	3°19	6°57	13°24	28°51	26°26	6°32	8°26	9°52	1°30	23°14	T 12
F 13	19 44 27	25°10'34	12°19	13°14	13°28	3°58	7° 8	13°30	28°49	26°27	6°31	8°17	9°49	1°36	23°20	F 13
S 14	19 48 24	26° 7'59	24°11	15°12	13° 6	4°37	7°19	13°36	28°47	26°29	6°30	8°10	9°46	1°43	23°26	S 14
S 15	19 52 20	27° 5'26	6♌ 0	17°12	12°42	5°16	7°31	13°42	28°45	26°30	6°29	8° 4	9°43	1°50	23°32	S 15
M16	19 56 17	28° 2'53	17°48	19°14	12°15	5°55	7°42	13°48	28°43	26°31	6°29	8° 0	9°40	1°56	23°39	M16
T 17	20 0 14	29° 0'22	29°38	21°17	11°47	6°35	7°53	13°53	28°41	26°33	6°28	7°58	9°36	2° 3	23°45	T 17
W18	20 4 10	29°57'51	11♍32	23°20	11°17	7°14	8° 5	13°59	28°39	26°34	6°27	7°D58	9°33	2°10	23°51	W18
T 19	20 8 7	0♌55'21	23°34	25°24	10°45	7°53	8°16	14° 5	28°37	26°35	6°26	7°59	9°30	2°16	23°58	T 19
F 20	20 12 3	1°52'52	5♎47	27°28	10°12	8°32	8°28	14°12	28°35	26°36	6°25	8° 1	9°27	2°23	24° 4	F 20
S 21	20 16 0	2°50'24	18°16	29°32	9°38	9°11	8°39	14°18	28°33	26°37	6°24	8° 2	9°24	2°30	24°11	S 21
S 22	20 19 56	3°47'57	1♏ 5	1♌36	9° 3	9°50	8°51	14°24	28°32	26°38	6°23	8°R 3	9°20	2°36	24°18	S 22
M23	20 23 53	4°45'31	14°17	3°39	8°26	10°29	9° 3	14°30	28°30	26°39	6°22	8° 3	9°17	2°43	24°25	M23
T 24	20 27 49	5°43'06	27°56	5°42	7°50	11° 7	9°14	14°36	28°28	26°41	6°21	8° 1	9°14	2°50	24°31	T 24
W25	20 31 46	6°40'42	12♐ 3	7°43	7°12	11°46	9°26	14°43	28°26	26°42	6°20	7°58	9°11	2°56	24°38	W25
T 26	20 35 43	7°38'19	26°37	9°44	6°35	12°25	9°38	14°49	28°25	26°43	6°19	7°54	9° 8	3° 3	24°45	T 26
F 27	20 39 39	8°35'57	11♑32	11°43	5°58	13° 4	9°50	14°55	28°23	26°44	6°18	7°50	9° 5	3°10	24°52	F 27
S 28	20 43 36	9°33'36	26°42	13°41	5°21	13°42	10° 2	15° 2	28°21	26°44	6°17	7°46	9° 1	3°16	24°59	S 28
S 29	20 47 32	10°31'17	11♒56	15°38	4°45	14°21	10°14	15° 8	28°20	26°45	6°16	7°43	8°58	3°23	25° 6	S 29
M30	20 51 29	11°28'58	27° 6	17°34	4° 9	15° 0	10°26	15°15	28°18	26°46	6°14	7°42	8°55	3°30	25°13	M30
T 31	20 55 25	12♌26'42	12♓ 1	19♌28	3♌35	15♋38	10♍38	15♍22	28♐17	26♉47	6♓13	7°D42	8♍52	3♌36	25♍21	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n51	16s34	2n58	21n32	1s52	14n13	2s19	24n 7	0n37	10n49	1n10	8n53	2n 7	23s51	0s17	17n46	1s40	22s51	14s53	8n15	7n41	16n57	0n14	3s 8
M 2	22 45	13 38	1 47	21 49	1 39	13 59	2 32	24 9	0 38	10 45	1 10	8 51	2 7	23 51	0 17	17 46	1 40	22 52	14 53	8 17	7 42	16 56	0 12	3 8
T 3	22 38	9 52	0 30	22 6	1 25	13 46	2 45	24 10	0 39	10 41	1 10	8 49	2 7	23 51	0 17	17 47	1 40	22 52	14 54	8 17	7 43	16 55	0 10	3 7
W 4	22 31	5 36	0s48	22 22	1 11	13 33	2 58	24 12	0 39	10 37	1 10	8 47	2 7	23 51	0 17	17 47	1 40	22 53	14 54	8 17	7 45	16 54	0 9	3 6
T 5	22 24	1 10	2 0	22 36	0 57	13 20	3 12	24 13	0 40	10 33	1 10	8 45	2 7	23 51	0 17	17 47	1 40	22 54	14 54	8 17	7 46	16 54	0 7	3 6
F 6	22 17	3n13	3 3	22 50	0 43	13 9	3 25	24 14	0 40	10 29	1 10	8 43	2 7	23 51	0 17	17 48	1 40	22 54	14 55	8 16	7 47	16 53	0 6	3 5
S 7	22 8	7 18	3 55	23 2	0 30	12 57	3 39	24 14	0 41	10 25	1 10	8 40	2 6	23 51	0 17	17 48	1 40	22 55	14 55	8 17	7 48	16 52	0 4	3 5
S 8	22 0	10 57	4 33	23 13	0 17	12 46	3 53	24 15	0 41	10 21	1 9	8 38	2 6	23 51	0 17	17 48	1 40	22 55	14 55	8 17	7 50	16 51	0 2	3 4
M 9	21 51	14 1	4 58	23 22	0 4	12 36	4 7	24 15	0 42	10 17	1 9	8 36	2 6	23 51	0 17	17 49	1 40	22 56	14 55	8 19	7 51	16 51	0 0	3 4
T 10	21 42	16 23	5 8	23 29	0n 8	12 27	4 21	24 15	0 42	10 12	1 9	8 34	2 6	23 50	0 17	17 49	1 40	22 56	14 56	8 21	7 52	16 50	0s 1	3 3
W11	21 33	18 0	5 4	23 33	0 20	12 18	4 34	24 15	0 43	10 8	1 9	8 32	2 6	23 50	0 17	17 49	1 40	22 57	14 56	8 24	7 53	16 49	0 3	3 3
T 12	21 23	18 47	4 46	23 35	0 31	12 10	4 48	24 14	0 43	10 4	1 9	8 29	2 6	23 50	0 17	17 49	1 41	22 57	14 56	8 27	7 54	16 48	0 5	3 2
F 13	21 12	18 44	4 16	23 35	0 41	12 2	5 2	24 14	0 44	10 0	1 9	8 27	2 6	23 50	0 17	17 50	1 41	22 58	14 57	8 30	7 56	16 47	0 7	3 1
S 14	21 2	17 51	3 35	23 32	0 51	11 55	5 15	24 13	0 44	9 56	1 9	8 25	2 6	23 50	0 17	17 50	1 41	22 59	14 57	8 33	7 57	16 47	0 9	3 1
S 15	20 51	16 12	2 45	23 26	1 0	11 49	5 29	24 12	0 45	9 51	1 9	8 22	2 5	23 50	0 17	17 50	1 41	22 59	14 57	8 35	7 58	16 46	0 11	3 0
M16	20 39	13 52	1 48	23 18	1 8	11 44	5 42	24 11	0 46	9 47	1 9	8 20	2 5	23 50	0 17	17 50	1 41	23 0	14 57	8 36	7 59	16 45	0 13	3 0
T 17	20 28	10 57	0 45	23 7	1 16	11 40	5 54	24 10	0 46	9 43	1 9	8 17	2 5	23 50	0 17	17 51	1 41	23 0	14 58	8 37	8 0	16 44	0 15	2 59
W18	20 15	7 34	0n19	22 53	1 22	11 36	6 7	24 8	0 47	9 38	1 9	8 15	2 5	23 50	0 17	17 51	1 41	23 1	14 58	8 37	8 2	16 44	0 17	2 59
T 19	20 3	3 51	1 24	22 36	1 28	11 33	6 19	24 6	0 47	9 34	1 8	8 13	2 5	23 50	0 17	17 51	1 41	23 1	14 58	8 37	8 3	16 43	0 19	2 58
F 20	19 50	0s 4	2 26	22 17	1 33	11 30	6 30	24 4	0 48	9 30	1 8	8 10	2 5	23 50	0 17	17 51	1 41	23 2	14 58	8 36	8 4	16 42	0 21	2 58
S 21	19 37	4 5	3 23	21 56	1 37	11 29	6 41	24 2	0 48	9 25	1 8	8 8	2 5	23 50	0 17	17 52	1 41	23 3	14 58	8 36	8 5	16 41	0 23	2 57
S 22	19 24	8 0	4 10	21 32	1 40	11 28	6 51	24 0	0 49	9 21	1 8	8 5	2 5	23 50	0 17	17 52	1 41	23 3	14 59	8 36	8 6	16 40	0 26	2 57
M23	19 10	11 38	4 47	21 6	1 43	11 28	7 1	23 58	0 49	9 16	1 8	8 3	2 5	23 50	0 17	17 52	1 41	23 4	14 59	8 36	8 8	16 40	0 28	2 56
T 24	18 56	14 47	5 8	20 38	1 45	11 28	7 10	23 55	0 50	9 12	1 8	8 0	2 5	23 50	0 17	17 52	1 41	23 4	14 59	8 36	8 9	16 39	0 30	2 56
W25	18 42	17 11	5 12	20 8	1 46	11 30	7 18	23 52	0 50	9 7	1 8	7 58	2 5	23 50	0 17	17 52	1 41	23 5	14 59	8 37	8 10	16 38	0 32	2 55
T 26	18 27	18 34	4 57	19 37	1 46	11 32	7 25	23 49	0 51	9 3	1 8	7 55	2 4	23 50	0 17	17 53	1 41	23 6	15 0	8 39	8 11	16 37	0 35	2 55
F 27	18 12	18 43	4 21	19 3	1 46	11 34	7 32	23 46	0 51	8 58	1 8	7 53	2 4	23 50	0 17	17 53	1 41	23 6	15 0	8 40	8 12	16 36	0 37	2 54
S 28	17 57	17 33	3 26	18 29	1 45	11 37	7 38	23 42	0 52	8 53	1 8	7 50	2 4	23 50	0 17	17 53	1 41	23 7	15 0	8 42	8 14	16 35	0 40	2 54
S 29	17 41	15 6	2 17	17 53	1 44	11 41	7 42	23 39	0 52	8 49	1 8	7 47	2 4	23 50	0 17	17 53	1 41	23 7	15 0	8 43	8 15	16 35	0 42	2 54
M30	17 25	11 38	0 58	17 16	1 42	11 45	7 46	23 35	0 53	8 44	1 8	7 45	2 4	23 50	0 17	17 53	1 41	23 8	15 0	8 43	8 16	16 34	0 44	2 53
T 31	17n 9	7s27	0s24	16n38	1n39	11n50	7s50	23n31	0n53	8n39	1n 8	7n42	2n 4	23s50	0s17	17n53	1s41	23s 9	15s 0	8n44	8n17	16n33	0s47	2s53

Julian Day Number = 2110960.5, Delta T = 19m34s
Ecliptic obliquity = 23°33'27, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°44'29, Lahiri = 10°51'29 Julian Calendar 1 July 1067 == Greg. Calendar 7 July 1067

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1067
geocentric

AUGUST 1067 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 59 22	13♌24'26	26♓34	21♌21	3°R 2	16♋17	10♍50	15♍28	28°R15	26♉48	6°R12	7♍42	8♍49	3♌43	25♍28	W 1
T 2	21 3 18	14°22'13	10♈42	23°13	2♌30	16°55	11° 3	15°35	28♐14	26°49	6♓11	7°44	8°45	3°50	25°35	T 2
F 3	21 7 15	15°20'01	24°24	25° 3	2° 0	17°34	11°15	15°42	28°12	26°49	6°10	7°45	8°42	3°56	25°43	F 3
S 4	21 11 12	16°17'51	7♉39	26°52	1°32	18°12	11°27	15°48	28°11	26°50	6° 9	7°46	8°39	4° 3	25°50	S 4
S 5	21 15 8	17°15'43	20°32	28°39	1° 6	18°51	11°39	15°55	28°10	26°51	6° 8	7°R46	8°36	4°10	25°58	S 5
M 6	21 19 5	18°13'37	3♊ 4	0♍26	0°41	19°29	11°52	16° 2	28° 8	26°51	6° 6	7°46	8°33	4°16	26° 5	M 6
T 7	21 23 1	19°11'33	15°21	2°10	0°19	20° 7	12° 4	16° 9	28° 7	26°52	6° 5	7°44	8°30	4°23	26°13	T 7
W 8	21 26 58	20° 9'30	27°26	3°54	29♋59	20°46	12°17	16°16	28° 6	26°53	6° 4	7°42	8°26	4°30	26°20	W 8
T 9	21 30 54	21° 7'30	9♋22	5°36	29°42	21°24	12°29	16°22	28° 5	26°53	6° 3	7°39	8°23	4°36	26°28	T 9
F 10	21 34 51	22° 5'31	21°13	7°17	29°27	22° 2	12°42	16°29	28° 4	26°54	6° 2	7°37	8°20	4°43	26°36	F 10
S 11	21 38 47	23° 3'34	3♌ 2	8°57	29°14	22°40	12°54	16°36	28° 3	26°54	6° 1	7°35	8°17	4°50	26°44	S 11
S 12	21 42 44	24° 1'38	14°51	10°35	29° 3	23°18	13° 7	16°43	28° 2	26°55	5°59	7°33	8°14	4°56	26°52	S 12
M13	21 46 41	24°59'45	26°42	12°12	28°55	23°57	13°20	16°50	28° 1	26°55	5°58	7°32	8°11	5° 3	26°59	M13
T 14	21 50 37	25°57'53	8♍38	13°48	28°50	24°35	13°32	16°57	28° 0	26°56	5°57	7°D32	8° 7	5°10	27° 7	T 14
W15	21 54 34	26°56'03	20°41	15°23	28°46	25°13	13°45	17° 5	27°59	26°56	5°56	7°32	8° 4	5°16	27°15	W15
T 16	21 58 30	27°54'14	2♎53	16°56	28°D46	25°51	13°58	17°12	27°58	26°56	5°55	7°33	8° 1	5°23	27°23	T 16
F 17	22 2 27	28°52'27	15°16	18°28	28°47	26°29	14°10	17°19	27°57	26°57	5°53	7°34	7°58	5°30	27°31	F 17
S 18	22 6 23	29°50'42	27°52	19°59	28°51	27° 7	14°23	17°26	27°56	26°57	5°52	7°34	7°55	5°36	27°39	S 18
S 19	22 10 20	0♍48'58	10♏46	21°29	28°57	27°44	14°36	17°33	27°56	26°57	5°51	7°35	7°51	5°43	27°47	S 19
M20	22 14 16	1°47'16	23°58	22°58	29° 5	28°22	14°49	17°40	27°55	26°57	5°50	7°35	7°48	5°50	27°56	M20
T 21	22 18 13	2°45'36	7♐32	24°25	29°15	29° 0	15° 1	17°48	27°54	26°57	5°48	7°R35	7°45	5°56	28° 4	T 21
W22	22 22 9	3°43'57	21°28	25°51	29°27	29°38	15°14	17°55	27°54	26°57	5°47	7°35	7°42	6° 3	28°12	W22
T 23	22 26 6	4°42'19	5♑46	27°16	29°42	0♌16	15°27	18° 2	27°53	26°58	5°46	7°35	7°39	6°10	28°20	T 23
F 24	22 30 3	5°40'44	20°24	28°39	29°58	0°53	15°40	18° 9	27°53	26°58	5°45	7°35	7°36	6°16	28°29	F 24
S 25	22 33 59	6°39'10	5♒16	0♎ 1	0♌17	1°31	15°53	18°17	27°53	26°R58	5°43	7°35	7°32	6°23	28°37	S 25
S 26	22 37 56	7°37'37	20°17	1°22	0°37	2° 9	16° 6	18°24	27°52	26°58	5°42	7°D35	7°29	6°30	28°45	S 26
M27	22 41 52	8°36'07	5♓17	2°42	0°59	2°46	16°19	18°31	27°52	26°58	5°41	7°R35	7°26	6°36	28°54	M27
T 28	22 45 49	9°34'38	20° 9	3°59	1°23	3°24	16°32	18°39	27°52	26°58	5°40	7°35	7°23	6°43	29° 2	T 28
W29	22 49 45	10°33'11	4♈45	5°16	1°48	4° 1	16°45	18°46	27°52	26°57	5°38	7°34	7°20	6°50	29°10	W29
T 30	22 53 42	11°31'47	18°59	6°31	2°15	4°39	16°58	18°53	27°51	26°57	5°37	7°34	7°17	6°56	29°19	T 30
F 31	22 57 38	12♍30'25	2♉48	7♎44	2♌44	5♌16	17♍11	19♍ 1	27♐51	26♉57	5♓36	7♍34	7♍13	7♌ 3	29♍27	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n53	2s56	1s42	15n59	1n36	11n55	7s52	23n27	0n54	8n35	1n 8	7n40	2n 4	23s50	0s17	17n54	1s41	23s 9	15s 1	8n43	8n18	16n32	0s49	2s52
T 2	16 36	1n37	2 52	15 19	1 33	12 0	7 53	23 23	0 54	8 30	1 8	7 37	2 4	23 50	0 17	17 54	1 42	23 10	15 1	8 43	8 20	16 31	0 52	2 52
F 3	16 19	5 56	3 50	14 38	1 29	12 6	7 54	23 18	0 55	8 25	1 8	7 34	2 4	23 50	0 17	17 54	1 42	23 10	15 1	8 42	8 21	16 30	0 54	2 51
S 4	16 2	9 49	4 33	13 57	1 25	12 12	7 54	23 14	0 55	8 21	1 7	7 32	2 4	23 50	0 17	17 54	1 42	23 11	15 1	8 42	8 22	16 30	0 57	2 51
S 5	15 44	13 7	5 2	13 15	1 20	12 19	7 53	23 9	0 56	8 16	1 7	7 29	2 4	23 50	0 17	17 54	1 42	23 11	15 1	8 42	8 23	16 29	0 59	2 50
M 6	15 26	15 44	5 15	12 33	1 15	12 25	7 52	23 4	0 56	8 11	1 7	7 26	2 4	23 50	0 17	17 54	1 42	23 12	15 1	8 42	8 24	16 28	1 2	2 50
T 7	15 8	17 34	5 13	11 50	1 10	12 32	7 49	22 59	0 57	8 6	1 7	7 23	2 4	23 50	0 17	17 54	1 42	23 13	15 1	8 43	8 26	16 27	1 5	2 50
W 8	14 50	18 35	4 57	11 7	1 4	12 39	7 46	22 53	0 57	8 1	1 7	7 21	2 4	23 50	0 17	17 54	1 42	23 13	15 2	8 43	8 27	16 26	1 7	2 49
T 9	14 32	18 45	4 29	10 24	0 58	12 46	7 43	22 48	0 58	7 57	1 7	7 18	2 4	23 50	0 17	17 54	1 42	23 14	15 2	8 44	8 28	16 25	1 10	2 49
F 10	14 13	18 6	3 49	9 41	0 52	12 53	7 39	22 42	0 58	7 52	1 7	7 15	2 4	23 50	0 17	17 54	1 42	23 14	15 2	8 45	8 29	16 24	1 13	2 48
S 11	13 54	16 40	3 0	8 57	0 45	13 0	7 34	22 37	0 59	7 47	1 7	7 12	2 3	23 50	0 17	17 54	1 42	23 15	15 2	8 46	8 30	16 24	1 16	2 48
S 12	13 35	14 31	2 2	8 14	0 38	13 7	7 29	22 31	0 59	7 42	1 7	7 10	2 3	23 50	0 17	17 55	1 42	23 15	15 2	8 47	8 31	16 23	1 18	2 47
M13	13 15	11 44	1 0	7 30	0 31	13 15	7 23	22 25	1 0	7 37	1 7	7 7	2 3	23 50	0 17	17 55	1 42	23 16	15 2	8 47	8 33	16 22	1 21	2 47
T 14	12 56	8 28	0n 6	6 46	0 24	13 22	7 17	22 18	1 0	7 32	1 7	7 4	2 3	23 50	0 17	17 55	1 42	23 16	15 2	8 47	8 34	16 21	1 24	2 47
W15	12 36	4 49	1 12	6 3	0 17	13 28	7 11	22 12	1 1	7 27	1 7	7 1	2 3	23 50	0 17	17 55	1 42	23 17	15 2	8 47	8 35	16 20	1 27	2 46
T 16	12 16	0 56	2 16	5 20	0 10	13 35	7 4	22 5	1 1	7 22	1 7	6 58	2 3	23 50	0 17	17 55	1 42	23 18	15 2	8 47	8 36	16 19	1 29	2 46
F 17	11 55	3s 3	3 15	4 37	0 2	13 42	6 57	21 59	1 2	7 17	1 7	6 56	2 3	23 50	0 17	17 55	1 42	23 18	15 3	8 47	8 37	16 18	1 32	2 46
S 18	11 35	6 58	4 5	3 54	0s 6	13 48	6 50	21 52	1 2	7 12	1 7	6 53	2 3	23 50	0 17	17 55	1 42	23 19	15 3	8 46	8 39	16 17	1 35	2 45
S 19	11 14	10 38	4 44	3 11	0 14	13 55	6 42	21 45	1 3	7 7	1 7	6 50	2 3	23 50	0 17	17 55	1 42	23 19	15 3	8 46	8 40	16 17	1 38	2 45
M20	10 53	13 52	5 9	2 29	0 22	14 1	6 34	21 37	1 3	7 2	1 7	6 47	2 3	23 50	0 17	17 55	1 42	23 20	15 3	8 46	8 41	16 16	1 41	2 44
T 21	10 32	16 27	5 18	1 47	0 30	14 6	6 26	21 30	1 4	6 57	1 7	6 44	2 3	23 50	0 17	17 55	1 43	23 20	15 3	8 46	8 42	16 15	1 44	2 44
W22	10 11	18 9	5 9	1 5	0 38	14 12	6 18	21 23	1 4	6 52	1 7	6 41	2 3	23 50	0 17	17 55	1 43	23 21	15 3	8 46	8 43	16 14	1 47	2 44
T 23	9 50	18 46	4 40	0 24	0 46	14 17	6 10	21 15	1 5	6 47	1 7	6 38	2 3	23 50	0 17	17 55	1 43	23 21	15 3	8 46	8 45	16 13	1 50	2 43
F 24	9 28	18 9	3 53	0s17	0 54	14 22	6 1	21 7	1 5	6 42	1 7	6 36	2 3	23 50	0 17	17 55	1 43	23 22	15 3	8 46	8 46	16 12	1 53	2 43
S 25	9 7	16 18	2 50	0 58	1 2	14 27	5 53	20 59	1 6	6 37	1 7	6 33	2 3	23 50	0 17	17 55	1 43	23 22	15 3	8 46	8 47	16 11	1 56	2 43
S 26	8 45	13 18	1 35	1 37	1 10	14 31	5 44	20 51	1 6	6 32	1 7	6 30	2 3	23 50	0 17	17 54	1 43	23 23	15 3	8 46	8 48	16 10	1 59	2 42
M27	8 23	9 25	0 13	2 17	1 19	14 35	5 35	20 43	1 7	6 27	1 7	6 27	2 3	23 50	0 17	17 54	1 43	23 23	15 3	8 46	8 49	16 9	2 2	2 42
T 28	8 1	4 59	1s 9	2 55	1 27	14 38	5 27	20 35	1 7	6 22	1 7	6 24	2 3	23 50	0 17	17 54	1 43	23 24	15 3	8 46	8 51	16 8	2 5	2 42
W29	7 39	0 19	2 25	3 33	1 35	14 41	5 18	20 27	1 8	6 17	1 7	6 21	2 3	23 50	0 17	17 54	1 43	23 24	15 3	8 46	8 52	16 7	2 8	2 41
T 30	7 16	4n14	3 31	4 10	1 43	14 44	5 9	20 18	1 8	6 12	1 7	6 18	2 3	23 50	0 17	17 54	1 43	23 25	15 3	8 46	8 53	16 7	2 11	2 41
F 31	6n54	8n25	4s21	4s47	1s51	14n46	5s 0	20n 9	1n 9	6n 7	1n 7	6n15	2n 3	23s50	0s17	17n54	1s43	23s25	15s 3	8n47	8n54	16n 6	2s14	2s41

Julian Day Number = 2110991.5, Delta T = 19m34s
Ecliptic obliquity = 23°33'28, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°44'33, Lahiri = 10°51'34 Julian Calendar 1 Aug. 1067 == Greg. Calendar 7 Aug. 1067

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1067
geocentric

SEPTEMBER 1067 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 1 35	13♍29'05	16♉11	8♎55	3♌15	5♌54	17♍24	19♍ 8	27°D51	26°R57	5°R35	7°R33	7♍10	7♌10	29♍36	S 1
S 2	23 5 32	14°27'47	29° 8	10° 5	3°46	6°31	17°37	19°15	27♐51	26♉57	5♓34	7♍32	7° 7	7°16	29°44	S 2
M 3	23 9 28	15°26'31	11♊44	11°13	4°20	7° 8	17°50	19°23	27°51	26°56	5°32	7°D32	7° 4	7°23	29°53	M 3
T 4	23 13 25	16°25'18	24° 1	12°19	4°54	7°46	18° 3	19°30	27°51	26°56	5°31	7°32	7° 1	7°30	0♎ 1	T 4
W 5	23 17 21	17°24'07	6♋ 4	13°22	5°30	8°23	18°16	19°38	27°52	26°56	5°30	7°33	6°57	7°36	0°10	W 5
T 6	23 21 18	18°22'59	17°58	14°23	6° 7	9° 0	18°29	19°45	27°52	26°55	5°29	7°34	6°54	7°43	0°19	T 6
F 7	23 25 14	19°21'53	29°47	15°22	6°46	9°37	18°42	19°52	27°52	26°55	5°28	7°35	6°51	7°50	0°27	F 7
S 8	23 29 11	20°20'49	11♌36	16°18	7°25	10°14	18°55	20° 0	27°52	26°55	5°26	7°36	6°48	7°56	0°36	S 8
S 9	23 33 7	21°19'47	23°27	17°11	8° 6	10°51	19° 8	20° 7	27°53	26°54	5°25	7°37	6°45	8° 3	0°44	S 9
M10	23 37 4	22°18'47	5♍24	18° 1	8°48	11°28	19°21	20°14	27°53	26°54	5°24	7°R37	6°42	8°10	0°53	M10
T 11	23 41 1	23°17'50	17°30	18°47	9°31	12° 5	19°34	20°22	27°54	26°53	5°23	7°37	6°38	8°16	1° 2	T 11
W12	23 44 57	24°16'54	29°46	19°30	10°15	12°42	19°47	20°29	27°54	26°52	5°22	7°36	6°35	8°23	1°10	W12
T 13	23 48 54	25°16'01	12♎14	20° 8	11° 0	13°19	20° 0	20°37	27°55	26°52	5°20	7°34	6°32	8°30	1°19	T 13
F 14	23 52 50	26°15'09	24°54	20°42	11°46	13°56	20°13	20°44	27°55	26°51	5°19	7°31	6°29	8°36	1°28	F 14
S 15	23 56 47	27°14'20	7♏48	21°11	12°32	14°33	20°26	20°51	27°56	26°51	5°18	7°28	6°26	8°43	1°36	S 15
S 16	0 0 43	28°13'32	20°56	21°35	13°20	15°10	20°39	20°59	27°57	26°50	5°17	7°26	6°22	8°50	1°45	S 16
M17	0 4 40	29°12'47	4♐17	21°54	14° 9	15°47	20°52	21° 6	27°57	26°49	5°16	7°23	6°19	8°56	1°54	M17
T 18	0 8 36	0♎12'03	17°54	22° 6	14°58	16°23	21° 5	21°13	27°58	26°48	5°15	7°22	6°16	9° 3	2° 3	T 18
W19	0 12 33	1°11'21	1♑45	22°R11	15°48	17° 0	21°17	21°21	27°59	26°48	5°14	7°D21	6°13	9°10	2°11	W19
T 20	0 16 29	2°10'41	15°50	22° 9	16°39	17°37	21°30	21°28	28° 0	26°47	5°13	7°22	6°10	9°16	2°20	T 20
F 21	0 20 26	3°10'03	0♒ 8	22° 0	17°30	18°13	21°43	21°35	28° 1	26°46	5°12	7°23	6° 7	9°23	2°29	F 21
S 22	0 24 23	4° 9'26	14°37	21°43	18°22	18°50	21°56	21°43	28° 2	26°45	5°11	7°24	6° 3	9°30	2°37	S 22
S 23	0 28 19	5° 8'52	29°13	21°17	19°15	19°26	22° 9	21°50	28° 3	26°44	5°10	7°25	6° 0	9°36	2°46	S 23
M24	0 32 16	6° 8'19	13♓51	20°43	20° 9	20° 3	22°22	21°57	28° 4	26°43	5° 8	7°R26	5°57	9°43	2°55	M24
T 25	0 36 12	7° 7'48	28°26	20° 1	21° 3	20°39	22°35	22° 4	28° 5	26°42	5° 7	7°24	5°54	9°50	3° 4	T 25
W26	0 40 9	8° 7'19	12♈50	19°11	21°58	21°16	22°47	22°12	28° 7	26°41	5° 6	7°21	5°51	9°56	3°12	W26
T 27	0 44 5	9° 6'52	26°58	18°13	22°54	21°52	23° 0	22°19	28° 8	26°40	5° 5	7°17	5°48	10° 3	3°21	T 27
F 28	0 48 2	10° 6'27	10♉45	17° 9	23°50	22°28	23°13	22°26	28° 9	26°39	5° 4	7°12	5°44	10°10	3°30	F 28
S 29	0 51 58	11° 6'05	24° 9	15°59	24°46	23° 4	23°26	22°33	28°11	26°38	5° 4	7° 6	5°41	10°16	3°38	S 29
S 30	0 55 55	12♎ 5'45	7♊10	14♎46	25♌44	23♌41	23♍38	22♍40	28♐12	26♉37	5♓ 3	7♍ 1	5♍38	10♌23	3♎47	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n31	12n 2	4s56	5s23	1s59	14n48	4s51	20n 1	1n 9	6n 2	1n 7	6n13	2n 3	23s50	0s17	17n54	1s43	23s26	15s 3	8n47	8n55	16n 5	2s17	2s40
S 2	6 9	14 57	5 14	5 57	2 7	14 50	4 42	19 52	1 10	5 57	1 7	6 10	2 3	23 50	0 17	17 54	1 43	23 26	15 3	8 47	8 56	16 4	2 20	2 40
M 3	5 46	17 4	5 17	6 31	2 15	14 51	4 33	19 43	1 10	5 52	1 7	6 7	2 3	23 50	0 17	17 54	1 43	23 26	15 3	8 47	8 58	16 3	2 23	2 40
T 4	5 23	18 21	5 5	7 4	2 22	14 51	4 25	19 34	1 11	5 47	1 7	6 4	2 3	23 50	0 17	17 54	1 43	23 27	15 3	8 47	8 59	16 2	2 27	2 39
W 5	5 0	18 46	4 39	7 36	2 29	14 51	4 16	19 24	1 11	5 42	1 7	6 1	2 3	23 50	0 17	17 54	1 43	23 27	15 3	8 47	9 0	16 1	2 30	2 39
T 6	4 37	18 21	4 2	8 6	2 37	14 51	4 7	19 15	1 12	5 36	1 7	5 58	2 3	23 50	0 17	17 53	1 43	23 28	15 3	8 47	9 1	16 0	2 33	2 39
F 7	4 14	17 7	3 15	8 35	2 44	14 50	3 58	19 5	1 12	5 31	1 7	5 55	2 3	23 50	0 17	17 53	1 43	23 28	15 3	8 46	9 2	15 59	2 36	2 38
S 8	3 51	15 10	2 19	9 3	2 50	14 48	3 50	18 56	1 13	5 26	1 7	5 52	2 3	23 50	0 17	17 53	1 43	23 28	15 3	8 46	9 4	15 58	2 39	2 38
S 9	3 27	12 33	1 18	9 30	2 57	14 46	3 41	18 46	1 13	5 21	1 7	5 49	2 4	23 50	0 17	17 53	1 44	23 29	15 2	8 45	9 5	15 57	2 42	2 38
M10	3 4	9 23	0 12	9 54	3 3	14 44	3 32	18 36	1 14	5 16	1 7	5 47	2 4	23 50	0 17	17 53	1 44	23 29	15 2	8 45	9 6	15 56	2 46	2 38
T 11	2 40	5 48	0n54	10 17	3 8	14 41	3 24	18 26	1 14	5 11	1 7	5 44	2 4	23 50	0 17	17 53	1 44	23 30	15 2	8 45	9 7	15 55	2 49	2 37
W12	2 17	1 55	2 0	10 39	3 13	14 37	3 15	18 16	1 15	5 6	1 7	5 41	2 4	23 50	0 17	17 52	1 44	23 30	15 2	8 46	9 8	15 54	2 52	2 37
T 13	1 53	2s 6	3 0	10 58	3 18	14 33	3 7	18 6	1 15	5 1	1 7	5 38	2 4	23 50	0 17	17 52	1 44	23 30	15 2	8 46	9 9	15 53	2 55	2 37
F 14	1 30	6 5	3 52	11 14	3 22	14 29	2 59	17 56	1 16	4 56	1 7	5 35	2 4	23 50	0 17	17 52	1 44	23 31	15 2	8 47	9 11	15 52	2 59	2 36
S 15	1 6	9 51	4 34	11 28	3 25	14 24	2 51	17 45	1 16	4 51	1 7	5 32	2 4	23 50	0 17	17 52	1 44	23 31	15 2	8 48	9 12	15 51	3 2	2 36
S 16	0 43	13 13	5 2	11 40	3 28	14 18	2 42	17 35	1 16	4 45	1 7	5 29	2 4	23 50	0 17	17 52	1 44	23 31	15 2	8 50	9 13	15 50	3 5	2 36
M17	0 19	15 57	5 15	11 49	3 30	14 12	2 34	17 25	1 17	4 40	1 7	5 26	2 4	23 50	0 17	17 51	1 44	23 32	15 2	8 50	9 14	15 49	3 8	2 36
T 18	0s 5	17 52	5 10	11 54	3 31	14 6	2 26	17 14	1 17	4 35	1 8	5 24	2 4	23 50	0 17	17 51	1 44	23 32	15 2	8 51	9 15	15 48	3 11	2 35
W19	0 29	18 46	4 47	11 56	3 30	13 59	2 18	17 3	1 18	4 30	1 8	5 21	2 4	23 50	0 17	17 51	1 44	23 32	15 1	8 51	9 17	15 47	3 15	2 35
T 20	0 52	18 32	4 7	11 54	3 29	13 51	2 11	16 52	1 18	4 25	1 8	5 18	2 4	23 50	0 17	17 51	1 44	23 33	15 1	8 51	9 18	15 46	3 18	2 35
F 21	1 16	17 7	3 11	11 48	3 26	13 43	2 3	16 42	1 19	4 20	1 8	5 15	2 4	23 50	0 17	17 51	1 44	23 33	15 1	8 51	9 19	15 45	3 21	2 35
S 22	1 40	14 35	2 2	11 37	3 22	13 34	1 55	16 31	1 19	4 15	1 8	5 12	2 4	23 50	0 17	17 50	1 44	23 33	15 1	8 50	9 20	15 44	3 25	2 34
S 23	2 3	11 6	0 45	11 23	3 17	13 25	1 48	16 20	1 20	4 10	1 8	5 9	2 4	23 50	0 17	17 50	1 44	23 33	15 1	8 50	9 21	15 43	3 28	2 34
M24	2 27	6 55	0s35	11 3	3 9	13 15	1 40	16 8	1 20	4 5	1 8	5 7	2 4	23 50	0 17	17 50	1 44	23 34	15 1	8 50	9 22	15 42	3 31	2 34
T 25	2 51	2 21	1 53	10 38	3 0	13 5	1 33	15 57	1 21	4 0	1 8	5 4	2 5	23 50	0 17	17 50	1 44	23 34	15 1	8 50	9 24	15 41	3 34	2 34
W26	3 14	2n18	3 2	10 9	2 49	12 54	1 26	15 46	1 21	3 55	1 8	5 1	2 5	23 50	0 17	17 49	1 44	23 34	15 0	8 51	9 25	15 40	3 38	2 34
T 27	3 38	6 44	3 58	9 35	2 36	12 43	1 19	15 35	1 22	3 50	1 8	4 58	2 5	23 50	0 17	17 49	1 44	23 34	15 0	8 53	9 26	15 39	3 41	2 33
F 28	4 1	10 42	4 40	8 56	2 21	12 31	1 12	15 23	1 22	3 45	1 8	4 56	2 5	23 50	0 17	17 49	1 44	23 35	15 0	8 55	9 27	15 38	3 44	2 33
S 29	4 25	13 59	5 4	8 14	2 5	12 19	1 5	15 12	1 23	3 40	1 8	4 53	2 5	23 50	0 17	17 48	1 44	23 35	15 0	8 57	9 28	15 37	3 47	2 33
S 30	4s48	16n29	5s12	7s29	1s47	12n 6	0s58	15n 0	1n23	3n35	1n 8	4n50	2n 5	23s50	0s17	17n48	1s44	23s35	15s 0	8n59	9n29	15n36	3s51	2s33

Julian Day Number = 2111022.5, Delta T = 19m34s
Ecliptic obliquity = 23°33'28, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°44'38, Lahiri = 10°51'38 Julian Calendar 1 Sept. 1067 == Greg. Calendar 7 Sept. 1067

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1067
geocentric

OCTOBER 1067 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 59 52	13♎ 5'27	19♊49	13°R32	26♌41	24♌17	23♍51	22♍47	28♐13	26°R36	5°R 2	6°R57	5♍35	10♌30	3♎56	M 1
T 2	1 3 48	14° 5'11	2♋ 8	12♎17	27°40	24°53	24° 4	22°55	28°15	26♉35	5♓ 1	6♍55	5°32	10°36	4° 4	T 2
W 3	1 7 45	15° 4'58	14°12	11° 6	28°38	25°29	24°16	23° 2	28°16	26°34	5° 0	6°D54	5°28	10°43	4°13	W 3
T 4	1 11 41	16° 4'47	26° 6	9°59	29°38	26° 5	24°29	23° 9	28°18	26°33	4°59	6°55	5°25	10°49	4°22	T 4
F 5	1 15 38	17° 4'38	7♌55	9° 0	0♍37	26°41	24°41	23°16	28°20	26°31	4°58	6°56	5°22	10°56	4°30	F 5
S 6	1 19 34	18° 4'32	19°44	8° 8	1°37	27°17	24°54	23°23	28°21	26°30	4°57	6°58	5°19	11° 3	4°39	S 6
S 7	1 23 31	19° 4'27	1♍38	7°27	2°38	27°53	25° 6	23°29	28°23	26°29	4°56	6°R59	5°16	11° 9	4°47	S 7
M 8	1 27 27	20° 4'25	13°41	6°57	3°39	28°29	25°19	23°36	28°25	26°28	4°56	6°59	5°13	11°16	4°56	M 8
T 9	1 31 24	21° 4'25	25°56	6°38	4°40	29° 4	25°31	23°43	28°27	26°26	4°55	6°57	5° 9	11°23	5° 4	T 9
W10	1 35 21	22° 4'27	8♎27	6°D31	5°42	29°40	25°43	23°50	28°29	26°25	4°54	6°53	5° 6	11°29	5°13	W10
T 11	1 39 17	23° 4'31	21°13	6°35	6°44	0♍16	25°56	23°57	28°31	26°24	4°53	6°47	5° 3	11°36	5°21	T 11
F 12	1 43 14	24° 4'37	4♏16	6°49	7°47	0°51	26° 8	24° 4	28°33	26°22	4°52	6°39	5° 0	11°43	5°30	F 12
S 13	1 47 10	25° 4'45	17°34	7°14	8°50	1°27	26°20	24°10	28°35	26°21	4°52	6°30	4°57	11°49	5°38	S 13
S 14	1 51 7	26° 4'54	1♐ 5	7°49	9°53	2° 2	26°32	24°17	28°37	26°19	4°51	6°22	4°53	11°56	5°47	S 14
M15	1 55 3	27° 5'06	14°47	8°32	10°57	2°38	26°44	24°24	28°39	26°18	4°50	6°14	4°50	12° 3	5°55	M15
T 16	1 59 0	28° 5'19	28°38	9°22	12° 1	3°13	26°56	24°30	28°41	26°17	4°50	6° 8	4°47	12° 9	6° 3	T 16
W17	2 2 56	29° 5'33	12♑36	10°20	13° 5	3°48	27° 8	24°37	28°43	26°15	4°49	6° 5	4°44	12°16	6°12	W17
T 18	2 6 53	0♏ 5'49	26°39	11°23	14° 9	4°24	27°20	24°43	28°45	26°14	4°48	6°D 4	4°41	12°23	6°20	T 18
F 19	2 10 50	1° 6'07	10♒46	12°32	15°14	4°59	27°32	24°50	28°48	26°12	4°48	6° 4	4°38	12°29	6°28	F 19
S 20	2 14 46	2° 6'26	24°55	13°45	16°19	5°34	27°44	24°56	28°50	26°11	4°47	6° 5	4°34	12°36	6°37	S 20
S 21	2 18 43	3° 6'46	9♓ 6	15° 2	17°25	6° 9	27°56	25° 3	28°52	26° 9	4°47	6°R 5	4°31	12°43	6°45	S 21
M22	2 22 39	4° 7'08	23°17	16°22	18°30	6°44	28° 7	25° 9	28°55	26° 8	4°46	6° 4	4°28	12°49	6°53	M22
T 23	2 26 36	5° 7'31	7♈24	17°45	19°36	7°19	28°19	25°15	28°57	26° 6	4°46	6° 0	4°25	12°56	7° 1	T 23
W24	2 30 32	6° 7'56	21°25	19°10	20°43	7°54	28°31	25°21	29° 0	26° 4	4°45	5°54	4°22	13° 3	7° 9	W24
T 25	2 34 29	7° 8'23	5♉14	20°37	21°49	8°29	28°42	25°27	29° 2	26° 3	4°45	5°45	4°19	13° 9	7°17	T 25
F 26	2 38 25	8° 8'51	18°48	22° 6	22°56	9° 4	28°54	25°34	29° 5	26° 1	4°44	5°34	4°15	13°16	7°25	F 26
S 27	2 42 22	9° 9'21	2♊ 4	23°36	24° 3	9°38	29° 5	25°40	29° 7	26° 0	4°44	5°23	4°12	13°23	7°33	S 27
S 28	2 46 18	10° 9'52	15° 1	25° 7	25°10	10°13	29°16	25°46	29°10	25°58	4°43	5°12	4° 9	13°29	7°41	S 28
M29	2 50 15	11°10'26	27°38	26°39	26°17	10°48	29°28	25°52	29°12	25°56	4°43	5° 2	4° 6	13°36	7°49	M29
T 30	2 54 12	12°11'01	9♋57	28°11	27°25	11°22	29°39	25°57	29°15	25°55	4°43	4°55	4° 3	13°43	7°57	T 30
W31	2 58 8	13♏11'38	22♋ 2	29♎45	28♍33	11♍57	29♍50	26♍ 3	29♐18	25♉53	4♓42	4♍50	3♍59	13♌49	8♎ 4	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s12	18n 7	5s 4	6s43	1s28	11n52	0s51	14n48	1n24	3n30	1n 8	4n47	2n 5	23s50	0s17	17n48	1s44	23s35	14s59	9n 0	9n31	15n35	3s54	2s32
T 2	5 35	18 50	4 42	5 55	1 8	11 39	0 45	14 37	1 24	3 25	1 8	4 45	2 5	23 50	0 17	17 48	1 45	23 35	14 59	9 1	9 32	15 34	3 57	2 32
W 3	5 58	18 41	4 9	5 8	0 47	11 24	0 38	14 25	1 24	3 20	1 8	4 42	2 5	23 50	0 17	17 47	1 45	23 35	14 59	9 1	9 33	15 33	4 0	2 32
T 4	6 21	17 41	3 24	4 23	0 26	11 10	0 32	14 13	1 25	3 15	1 9	4 39	2 5	23 50	0 17	17 47	1 45	23 36	14 59	9 1	9 34	15 32	4 4	2 32
F 5	6 44	15 56	2 32	3 40	0 6	10 54	0 26	14 1	1 25	3 10	1 9	4 37	2 6	23 50	0 17	17 47	1 45	23 36	14 59	9 1	9 35	15 31	4 7	2 32
S 6	7 7	13 30	1 32	3 2	0n14	10 39	0 20	13 49	1 26	3 5	1 9	4 34	2 6	23 50	0 17	17 46	1 45	23 36	14 58	9 0	9 37	15 30	4 10	2 32
S 7	7 30	10 30	0 29	2 29	0 32	10 23	0 14	13 37	1 26	3 0	1 9	4 31	2 6	23 50	0 17	17 46	1 45	23 36	14 58	8 59	9 38	15 29	4 14	2 31
M 8	7 53	7 0	0n36	2 1	0 49	10 6	0 8	13 25	1 27	2 56	1 9	4 29	2 6	23 50	0 17	17 46	1 45	23 36	14 58	9 0	9 39	15 28	4 17	2 31
T 9	8 16	3 10	1 41	1 39	1 5	9 49	0 2	13 13	1 27	2 51	1 9	4 26	2 6	23 50	0 17	17 45	1 45	23 36	14 58	9 0	9 40	15 27	4 20	2 31
W10	8 38	0s53	2 42	1 23	1 19	9 31	0n 4	13 1	1 28	2 46	1 9	4 23	2 6	23 50	0 17	17 45	1 45	23 36	14 58	9 2	9 41	15 26	4 23	2 31
T 11	9 1	4 59	3 36	1 14	1 31	9 13	0 9	12 49	1 28	2 41	1 9	4 21	2 6	23 50	0 17	17 45	1 45	23 36	14 57	9 4	9 42	15 25	4 26	2 31
F 12	9 23	8 56	4 20	1 10	1 42	8 55	0 15	12 36	1 29	2 36	1 9	4 18	2 6	23 50	0 17	17 44	1 45	23 36	14 57	9 7	9 44	15 24	4 30	2 30
S 13	9 45	12 30	4 51	1 12	1 51	8 36	0 20	12 24	1 29	2 31	1 9	4 16	2 7	23 50	0 17	17 44	1 45	23 36	14 57	9 10	9 45	15 23	4 33	2 30
S 14	10 7	15 29	5 6	1 19	1 58	8 17	0 25	12 12	1 30	2 27	1 10	4 13	2 7	23 50	0 17	17 44	1 45	23 36	14 57	9 13	9 46	15 22	4 36	2 30
M15	10 29	17 39	5 4	1 30	2 4	7 58	0 30	11 59	1 30	2 22	1 10	4 11	2 7	23 50	0 17	17 43	1 45	23 36	14 56	9 16	9 47	15 21	4 39	2 30
T 16	10 51	18 49	4 44	1 47	2 8	7 38	0 35	11 47	1 31	2 17	1 10	4 8	2 7	23 50	0 17	17 43	1 45	23 36	14 56	9 18	9 48	15 20	4 42	2 30
W17	11 12	18 51	4 7	2 6	2 11	7 18	0 40	11 34	1 31	2 13	1 10	4 6	2 7	23 50	0 17	17 43	1 45	23 36	14 56	9 20	9 49	15 19	4 46	2 30
T 18	11 34	17 44	3 15	2 30	2 13	6 57	0 45	11 22	1 32	2 8	1 10	4 3	2 7	23 50	0 17	17 42	1 45	23 36	14 56	9 20	9 51	15 18	4 49	2 30
F 19	11 55	15 31	2 12	2 56	2 13	6 36	0 49	11 9	1 32	2 3	1 10	4 1	2 8	23 50	0 17	17 42	1 45	23 36	14 55	9 20	9 52	15 17	4 52	2 29
S 20	12 16	12 21	1 0	3 25	2 13	6 15	0 54	10 57	1 32	1 59	1 10	3 58	2 8	23 50	0 17	17 41	1 45	23 36	14 55	9 20	9 53	15 15	4 55	2 29
S 21	12 37	8 27	0s16	3 55	2 12	5 53	0 58	10 44	1 33	1 54	1 10	3 56	2 8	23 50	0 17	17 41	1 45	23 36	14 55	9 19	9 54	15 14	4 58	2 29
M22	12 57	4 4	1 31	4 28	2 10	5 31	1 2	10 32	1 33	1 50	1 10	3 54	2 8	23 50	0 17	17 41	1 45	23 36	14 54	9 20	9 55	15 13	5 1	2 29
T 23	13 18	0n31	2 39	5 2	2 7	5 9	1 6	10 19	1 34	1 45	1 11	3 51	2 8	23 50	0 17	17 40	1 45	23 36	14 54	9 21	9 56	15 12	5 5	2 29
W24	13 38	5 2	3 38	5 38	2 4	4 47	1 10	10 6	1 34	1 40	1 11	3 49	2 8	23 50	0 17	17 40	1 45	23 36	14 54	9 24	9 58	15 11	5 8	2 29
T 25	13 58	9 13	4 22	6 14	2 0	4 24	1 14	9 54	1 35	1 36	1 11	3 47	2 9	23 50	0 17	17 40	1 45	23 36	14 54	9 27	9 59	15 10	5 11	2 29
F 26	14 18	12 50	4 51	6 52	1 56	4 1	1 18	9 41	1 35	1 32	1 11	3 44	2 9	23 50	0 17	17 39	1 45	23 36	14 53	9 31	10 0	15 9	5 14	2 29
S 27	14 37	15 44	5 3	7 29	1 51	3 37	1 21	9 28	1 36	1 27	1 11	3 42	2 9	23 50	0 17	17 39	1 45	23 36	14 53	9 35	10 1	15 8	5 17	2 28
S 28	14 56	17 45	4 59	8 8	1 46	3 14	1 25	9 16	1 36	1 23	1 11	3 40	2 9	23 50	0 17	17 38	1 45	23 36	14 53	9 39	10 2	15 7	5 20	2 28
M29	15 15	18 52	4 40	8 46	1 40	2 50	1 28	9 3	1 37	1 18	1 11	3 38	2 9	23 50	0 17	17 38	1 45	23 36	14 52	9 43	10 3	15 6	5 23	2 28
T 30	15 34	19 2	4 9	9 25	1 35	2 26	1 32	8 50	1 37	1 14	1 11	3 36	2 9	23 50	0 17	17 38	1 45	23 36	14 52	9 45	10 4	15 5	5 26	2 28
W31	15s53	18n20	3s27	10s 3	1n29	2n 2	1n35	8n37	1n38	1n10	1n12	3n33	2n10	23s50	0s17	17n37	1s45	23s35	14s52	9n47	10n 6	15n 3	5s29	2s28

Julian Day Number = 2111052.5, Delta T = 19m33s
Ecliptic obliquity = 23°33'28, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°44'42, Lahiri = 10°51'42 Julian Calendar 1 Oct. 1067 == Greg. Calendar 7 Oct. 1067

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1067
geocentric

NOVEMBER 1067 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 2 5	14♏12'16	3♌56	1♏18	29♍41	12♍31	0♎ 1	26♍ 9	29♐21	25°R51	4°R42	4°R48	3♍56	13♌56	8♎12	T 1
F 2	3 6 1	15°12'57	15°44	2°52	0♎49	13° 5	0°12	26°15	29°23	25♉50	4♓42	4°D47	3°53	14° 3	8°20	F 2
S 3	3 9 58	16°13'39	27°33	4°26	1°58	13°39	0°23	26°20	29°26	25°48	4°42	4♍48	3°50	14° 9	8°27	S 3
S 4	3 13 54	17°14'22	9♍27	6° 0	3° 6	14°14	0°33	26°26	29°29	25°46	4°41	4°R48	3°47	14°16	8°35	S 4
M 5	3 17 51	18°15'07	21°32	7°35	4°15	14°48	0°44	26°31	29°32	25°45	4°41	4°47	3°44	14°22	8°43	M 5
T 6	3 21 47	19°15'54	3♎53	9° 9	5°24	15°22	0°55	26°37	29°35	25°43	4°41	4°43	3°40	14°29	8°50	T 6
W 7	3 25 44	20°16'43	16°33	10°44	6°34	15°56	1° 5	26°42	29°38	25°41	4°41	4°37	3°37	14°36	8°57	W 7
T 8	3 29 41	21°17'32	29°34	12°18	7°43	16°30	1°16	26°48	29°41	25°40	4°41	4°28	3°34	14°42	9° 5	T 8
F 9	3 33 37	22°18'24	12♏57	13°53	8°53	17° 3	1°26	26°53	29°44	25°38	4°40	4°16	3°31	14°49	9°12	F 9
S 10	3 37 34	23°19'16	26°39	15°27	10° 2	17°37	1°36	26°58	29°47	25°36	4°40	4° 4	3°28	14°56	9°19	S 10
S 11	3 41 30	24°20'10	10♐38	17° 2	11°12	18°11	1°47	27° 3	29°50	25°35	4°40	3°51	3°25	15° 2	9°26	S 11
M12	3 45 27	25°21'05	24°48	18°36	12°22	18°44	1°57	27° 8	29°53	25°33	4°40	3°40	3°21	15° 9	9°34	M12
T 13	3 49 23	26°22'01	9♑ 4	20°10	13°32	19°18	2° 7	27°13	29°56	25°31	4°D40	3°31	3°18	15°16	9°41	T 13
W14	3 53 20	27°22'58	23°22	21°45	14°43	19°51	2°16	27°18	29°59	25°29	4°40	3°25	3°15	15°22	9°48	W14
T 15	3 57 16	28°23'55	7♒36	23°19	15°53	20°24	2°26	27°23	0♑ 2	25°28	4°40	3°21	3°12	15°29	9°55	T 15
F 16	4 1 13	29°24'54	21°45	24°53	17° 4	20°57	2°36	27°27	0° 6	25°26	4°40	3°20	3° 9	15°36	10° 1	F 16
S 17	4 5 10	0♐25'52	5♓48	26°27	18°14	21°31	2°46	27°32	0° 9	25°24	4°40	3°20	3° 5	15°42	10° 8	S 17
S 18	4 9 6	1°26'52	19°45	28° 1	19°25	22° 4	2°55	27°37	0°12	25°23	4°41	3°20	3° 2	15°49	10°15	S 18
M19	4 13 3	2°27'52	3♈34	29°36	20°36	22°36	3° 4	27°41	0°15	25°21	4°41	3°18	2°59	15°56	10°22	M19
T 20	4 16 59	3°28'53	17°16	1♐10	21°47	23° 9	3°14	27°45	0°19	25°19	4°41	3°13	2°56	16° 2	10°28	T 20
W21	4 20 56	4°29'54	0♉50	2°44	22°58	23°42	3°23	27°50	0°22	25°18	4°41	3° 5	2°53	16° 9	10°35	W21
T 22	4 24 52	5°30'57	14°14	4°18	24°10	24°15	3°32	27°54	0°25	25°16	4°41	2°54	2°50	16°16	10°41	T 22
F 23	4 28 49	6°31'59	27°26	5°53	25°21	24°47	3°41	27°58	0°29	25°14	4°41	2°41	2°46	16°22	10°47	F 23
S 24	4 32 45	7°33'03	10♊24	7°27	26°32	25°19	3°49	28° 2	0°32	25°13	4°42	2°27	2°43	16°29	10°54	S 24
S 25	4 36 42	8°34'07	23° 8	9° 2	27°44	25°52	3°58	28° 6	0°35	25°11	4°42	2°13	2°40	16°36	11° 0	S 25
M26	4 40 39	9°35'13	5♋37	10°36	28°56	26°24	4° 7	28°10	0°39	25° 9	4°42	2° 1	2°37	16°42	11° 6	M26
T 27	4 44 35	10°36'19	17°51	12°11	0♏ 8	26°56	4°15	28°14	0°42	25° 8	4°43	1°51	2°34	16°49	11°12	T 27
W28	4 48 32	11°37'25	29°53	13°46	1°20	27°28	4°23	28°17	0°45	25° 6	4°43	1°45	2°31	16°55	11°18	W28
T 29	4 52 28	12°38'33	11♌46	15°21	2°32	28° 0	4°32	28°21	0°49	25° 4	4°43	1°41	2°27	17° 2	11°24	T 29
F 30	4 56 25	13♐39'41	23♌33	16♐56	3♏44	28♍32	4♎40	28♍25	0♑52	25♉ 3	4♓44	1♍39	2♍24	17♌ 9	11♎30	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s11	16n50	2s37	10s42	1n22	1n37	1n38	8n24	1n38	1n 5	1n12	3n31	2n10	23s50	0s17	17n37	1s45	23s35	14s51	9n48	10n 7	15n 2	5s32	2s28
F 2	16 29	14 37	1 40	11 20	1 16	1 12	1 40	8 12	1 39	1 1	1 12	3 29	2 10	23 50	0 17	17 36	1 45	23 35	14 51	9 48	10 8	15 1	5 35	2 28
S 3	16 46	11 47	0 39	11 58	1 10	0 48	1 43	7 59	1 39	0 57	1 12	3 27	2 10	23 50	0 17	17 36	1 45	23 35	14 51	9 48	10 9	15 0	5 38	2 28
S 4	17 4	8 27	0n25	12 36	1 3	0 22	1 46	7 46	1 40	0 53	1 12	3 25	2 10	23 50	0 17	17 36	1 45	23 35	14 51	9 48	10 10	14 59	5 41	2 28
M 5	17 21	4 43	1 28	13 13	0 56	0s 3	1 48	7 33	1 40	0 49	1 12	3 23	2 11	23 50	0 17	17 35	1 45	23 34	14 50	9 48	10 11	14 58	5 44	2 27
T 6	17 38	0 43	2 28	13 50	0 49	0 28	1 51	7 20	1 41	0 45	1 13	3 21	2 11	23 50	0 17	17 35	1 45	23 34	14 50	9 50	10 13	14 57	5 46	2 27
W 7	17 54	3s26	3 22	14 27	0 43	0 53	1 53	7 8	1 41	0 41	1 13	3 19	2 11	23 50	0 17	17 34	1 45	23 34	14 50	9 52	10 14	14 56	5 49	2 27
T 8	18 10	7 31	4 8	15 2	0 36	1 19	1 55	6 55	1 42	0 37	1 13	3 17	2 11	23 50	0 17	17 34	1 45	23 34	14 49	9 55	10 15	14 54	5 52	2 27
F 9	18 26	11 21	4 40	15 37	0 29	1 45	1 57	6 42	1 42	0 33	1 13	3 15	2 11	23 50	0 17	17 34	1 45	23 34	14 49	9 59	10 16	14 53	5 55	2 27
S 10	18 42	14 40	4 58	16 12	0 22	2 10	1 59	6 29	1 43	0 29	1 13	3 13	2 12	23 50	0 17	17 33	1 45	23 33	14 49	10 4	10 17	14 52	5 58	2 27
S 11	18 57	17 13	4 59	16 46	0 15	2 36	2 1	6 17	1 43	0 25	1 13	3 12	2 12	23 50	0 17	17 33	1 45	23 33	14 48	10 9	10 18	14 51	6 1	2 27
M12	19 12	18 47	4 41	17 19	0 8	3 2	2 2	6 4	1 43	0 21	1 14	3 10	2 12	23 50	0 17	17 32	1 45	23 33	14 48	10 13	10 20	14 50	6 3	2 27
T 13	19 26	19 10	4 5	17 51	0 2	3 28	2 4	5 51	1 44	0 17	1 14	3 8	2 12	23 50	0 17	17 32	1 45	23 32	14 48	10 16	10 21	14 49	6 6	2 27
W14	19 40	18 20	3 15	18 23	0s 5	3 54	2 5	5 38	1 44	0 13	1 14	3 6	2 13	23 50	0 17	17 32	1 45	23 32	14 47	10 18	10 22	14 48	6 9	2 27
T 15	19 54	16 20	2 12	18 53	0 12	4 20	2 6	5 26	1 45	0 9	1 14	3 5	2 13	23 50	0 17	17 31	1 45	23 32	14 47	10 19	10 23	14 46	6 11	2 27
F 16	20 7	13 22	1 1	19 23	0 19	4 46	2 8	5 13	1 45	0 6	1 14	3 3	2 13	23 50	0 17	17 31	1 45	23 32	14 47	10 20	10 24	14 45	6 14	2 27
S 17	20 21	9 38	0s13	19 52	0 25	5 12	2 9	5 0	1 46	0 2	1 14	3 1	2 13	23 50	0 17	17 30	1 45	23 31	14 46	10 20	10 25	14 44	6 17	2 27
S 18	20 33	5 23	1 26	20 20	0 32	5 38	2 10	4 48	1 46	0s 1	1 15	3 0	2 13	23 50	0 17	17 30	1 45	23 31	14 46	10 20	10 26	14 43	6 19	2 27
M19	20 45	0 54	2 32	20 47	0 38	6 4	2 10	4 35	1 47	0 5	1 15	2 58	2 14	23 50	0 17	17 30	1 45	23 31	14 46	10 21	10 28	14 42	6 22	2 27
T 20	20 57	3n35	3 30	21 13	0 44	6 30	2 11	4 22	1 47	0 9	1 15	2 57	2 14	23 50	0 17	17 29	1 45	23 30	14 45	10 23	10 29	14 41	6 24	2 26
W21	21 9	7 51	4 15	21 38	0 50	6 56	2 12	4 10	1 48	0 12	1 15	2 55	2 14	23 50	0 17	17 29	1 45	23 30	14 45	10 26	10 30	14 39	6 27	2 26
T 22	21 20	11 39	4 45	22 2	0 56	7 22	2 12	3 57	1 48	0 15	1 15	2 54	2 14	23 50	0 17	17 28	1 45	23 29	14 45	10 30	10 31	14 38	6 29	2 26
F 23	21 30	14 50	4 59	22 25	1 2	7 48	2 13	3 45	1 49	0 19	1 16	2 52	2 15	23 50	0 17	17 28	1 45	23 29	14 45	10 34	10 32	14 37	6 32	2 26
S 24	21 41	17 13	4 57	22 46	1 8	8 13	2 13	3 32	1 49	0 22	1 16	2 51	2 15	23 50	0 17	17 28	1 45	23 29	14 44	10 39	10 33	14 36	6 34	2 26
S 25	21 50	18 42	4 41	23 7	1 13	8 39	2 13	3 20	1 50	0 25	1 16	2 49	2 15	23 50	0 17	17 27	1 45	23 28	14 44	10 44	10 34	14 35	6 37	2 26
M26	22 0	19 16	4 11	23 26	1 18	9 4	2 13	3 7	1 50	0 29	1 16	2 48	2 15	23 50	0 17	17 27	1 45	23 28	14 44	10 48	10 36	14 34	6 39	2 26
T 27	22 9	18 54	3 30	23 45	1 23	9 30	2 13	2 55	1 51	0 32	1 16	2 47	2 16	23 50	0 17	17 27	1 45	23 27	14 43	10 52	10 37	14 32	6 41	2 26
W28	22 17	17 40	2 40	24 2	1 28	9 55	2 13	2 43	1 51	0 35	1 17	2 46	2 16	23 50	0 17	17 26	1 45	23 27	14 43	10 54	10 38	14 31	6 44	2 26
T 29	22 25	15 41	1 44	24 17	1 33	10 20	2 13	2 30	1 52	0 38	1 17	2 44	2 16	23 50	0 17	17 26	1 45	23 27	14 43	10 56	10 39	14 30	6 46	2 26
F 30	22s33	13n 4	0s43	24s32	1s38	10s45	2n12	2n18	1n52	0s41	1n17	2n43	2n16	23s50	0s17	17n25	1s45	23s26	14s42	10n56	10n40	14n29	6s48	2s26

Julian Day Number = 2111083.5, Delta T = 19m33s
Ecliptic obliquity = 23°33'28, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°44'46, Lahiri = 10°51'46 Julian Calendar 1 Nov. 1067 == Greg. Calendar 7 Nov. 1067

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1067
geocentric

DECEMBER 1067 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 0 21	14♐40'50	5♍21	18♐31	4♏56	29♍ 3	4♎48	28♍28	0♉56	25°R 1	4♓44	1°D39	2♍21	17♌15	11♎35	S 1
S 2	5 4 18	15°41'59	17°13	20° 7	6° 8	29°35	4°56	28°31	0°59	25♉ 0	4°45	1°R39	2°18	17°22	11°41	S 2
M 3	5 8 15	16°43'10	29°17	21°43	7°20	0♎ 6	5° 3	28°35	1° 3	24°58	4°45	1♍38	2°15	17°29	11°46	M 3
T 4	5 12 11	17°44'21	11♎37	23°19	8°33	0°38	5°11	28°38	1° 6	24°57	4°46	1°36	2°11	17°35	11°52	T 4
W 5	5 16 8	18°45'32	24°19	24°55	9°45	1° 9	5°18	28°41	1°10	24°55	4°46	1°31	2° 8	17°42	11°57	W 5
T 6	5 20 4	19°46'44	7♏25	26°31	10°58	1°40	5°25	28°44	1°13	24°54	4°47	1°23	2° 5	17°49	12° 2	T 6
F 7	5 24 1	20°47'57	20°57	28° 8	12°11	2°11	5°33	28°47	1°17	24°52	4°47	1°13	2° 2	17°55	12° 8	F 7
S 8	5 27 57	21°49'10	4♐55	29°45	13°23	2°41	5°40	28°49	1°20	24°51	4°48	1° 2	1°59	18° 2	12°13	S 8
S 9	5 31 54	22°50'24	19°15	1♑21	14°36	3°12	5°46	28°52	1°24	24°49	4°49	0°50	1°56	18° 9	12°18	S 9
M10	5 35 50	23°51'37	3♑50	2°59	15°49	3°42	5°53	28°55	1°28	24°48	4°49	0°40	1°52	18°15	12°22	M10
T 11	5 39 47	24°52'51	18°34	4°36	17° 2	4°13	6° 0	28°57	1°31	24°46	4°50	0°32	1°49	18°22	12°27	T 11
W12	5 43 44	25°54'05	3♒18	6°13	18°15	4°43	6° 6	28°59	1°35	24°45	4°51	0°26	1°46	18°29	12°32	W12
T 13	5 47 40	26°55'18	17°55	7°50	19°28	5°13	6°12	29° 2	1°38	24°43	4°51	0°23	1°43	18°35	12°37	T 13
F 14	5 51 37	27°56'31	2♓21	9°28	20°41	5°43	6°18	29° 4	1°42	24°42	4°52	0°D23	1°40	18°42	12°41	F 14
S 15	5 55 33	28°57'44	16°33	11° 5	21°54	6°13	6°24	29° 6	1°45	24°41	4°53	0°23	1°37	18°49	12°45	S 15
S 16	5 59 30	29°58'56	0♈30	12°42	23° 7	6°42	6°30	29° 8	1°49	24°39	4°54	0°R24	1°33	18°55	12°50	S 16
M17	6 3 26	1♉ 0'08	14°11	14°18	24°20	7°12	6°36	29°10	1°53	24°38	4°54	0°23	1°30	19° 2	12°54	M17
T 18	6 7 23	2° 1'19	27°38	15°55	25°34	7°41	6°41	29°11	1°56	24°37	4°55	0°20	1°27	19° 8	12°58	T 18
W19	6 11 19	3° 2'30	10♉52	17°30	26°47	8°10	6°47	29°13	2° 0	24°36	4°56	0°14	1°24	19°15	13° 2	W19
T 20	6 15 16	4° 3'41	23°53	19° 5	28° 0	8°39	6°52	29°15	2° 3	24°34	4°57	0° 6	1°21	19°22	13° 6	T 20
F 21	6 19 13	5° 4'51	6♊43	20°39	29°14	9° 8	6°57	29°16	2° 7	24°33	4°58	29♌57	1°17	19°28	13°10	F 21
S 22	6 23 9	6° 6'01	19°21	22°12	0♐27	9°36	7° 2	29°17	2°10	24°32	4°59	29°46	1°14	19°35	13°13	S 22
S 23	6 27 6	7° 7'10	1♋47	23°43	1°40	10° 5	7° 6	29°18	2°14	24°31	5° 0	29°36	1°11	19°42	13°17	S 23
M24	6 31 2	8° 8'19	14° 3	25°12	2°54	10°33	7°11	29°20	2°18	24°30	5° 1	29°27	1° 8	19°48	13°20	M24
T 25	6 34 59	9° 9'27	26° 8	26°38	4° 7	11° 1	7°15	29°21	2°21	24°28	5° 2	29°19	1° 5	19°55	13°24	T 25
W26	6 38 55	10°10'35	8♌ 4	28° 2	5°21	11°29	7°19	29°21	2°25	24°27	5° 3	29°14	1° 2	20° 2	13°27	W26
T 27	6 42 52	11°11'43	19°54	29°23	6°35	11°56	7°23	29°22	2°28	24°26	5° 4	29°12	0°58	20° 8	13°30	T 27
F 28	6 46 48	12°12'50	1♍41	0♒39	7°48	12°24	7°27	29°23	2°32	24°25	5° 5	29°D11	0°55	20°15	13°33	F 28
S 29	6 50 45	13°13'57	13°28	1°51	9° 2	12°51	7°31	29°23	2°35	24°24	5° 6	29°12	0°52	20°22	13°36	S 29
S 30	6 54 42	14°15'03	25°20	2°58	10°16	13°18	7°34	29°24	2°39	24°23	5° 7	29°14	0°49	20°28	13°39	S 30
M31	6 58 38	15♉16'09	7♎22	3♒59	11♐29	13♎45	7♎37	29♍24	2♉42	24♉22	5♓ 8	29♌15	0♍46	20♌35	13♎41	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s40	9n54	0n20	24s45	1s42	11s 9	2n12	2n 6	1n53	0s44	1n17	2n42	2n17	23s50	0s17	17n25	1s45	23s26	14s42	10n56	10n41	14n28	6s51	2s26
S 2	22 47	6 20	1 22	24 57	1 46	11 34	2 11	1 54	1 53	0 47	1 17	2 41	2 17	23 50	0 17	17 25	1 45	23 25	14 42	10 56	10 42	14 26	6 53	2 26
M 3	22 53	2 27	2 21	25 7	1 50	11 58	2 11	1 42	1 54	0 50	1 18	2 40	2 17	23 50	0 17	17 24	1 45	23 25	14 41	10 57	10 44	14 25	6 55	2 26
T 4	22 59	1s37	3 16	25 16	1 53	12 22	2 10	1 30	1 54	0 53	1 18	2 39	2 18	23 50	0 17	17 24	1 45	23 24	14 41	10 58	10 45	14 24	6 57	2 26
W 5	23 5	5 43	4 2	25 24	1 56	12 46	2 9	1 18	1 55	0 55	1 18	2 38	2 18	23 50	0 17	17 24	1 45	23 24	14 41	10 59	10 46	14 23	6 59	2 26
T 6	23 10	9 41	4 37	25 30	1 59	13 9	2 8	1 6	1 55	0 58	1 18	2 37	2 18	23 50	0 17	17 23	1 45	23 23	14 40	11 2	10 47	14 22	7 1	2 26
F 7	23 14	13 18	4 58	25 34	2 2	13 33	2 7	0 54	1 56	1 1	1 19	2 36	2 18	23 50	0 17	17 23	1 45	23 23	14 40	11 6	10 48	14 20	7 3	2 26
S 8	23 18	16 16	5 2	25 37	2 4	13 56	2 6	0 42	1 56	1 3	1 19	2 35	2 19	23 50	0 17	17 23	1 45	23 22	14 40	11 10	10 49	14 19	7 5	2 26
S 9	23 22	18 21	4 47	25 39	2 6	14 18	2 5	0 30	1 57	1 6	1 19	2 34	2 19	23 50	0 17	17 22	1 45	23 22	14 39	11 14	10 50	14 18	7 7	2 26
M10	23 25	19 16	4 14	25 39	2 7	14 41	2 4	0 19	1 57	1 8	1 19	2 34	2 19	23 50	0 17	17 22	1 45	23 21	14 39	11 17	10 52	14 17	7 9	2 26
T 11	23 27	18 54	3 23	25 37	2 8	15 3	2 3	0 7	1 58	1 11	1 20	2 33	2 19	23 50	0 17	17 22	1 45	23 21	14 39	11 20	10 53	14 15	7 11	2 26
W12	23 30	17 16	2 19	25 33	2 9	15 24	2 1	0s 4	1 58	1 13	1 20	2 32	2 20	23 50	0 17	17 22	1 45	23 20	14 39	11 22	10 54	14 14	7 13	2 26
T 13	23 31	14 29	1 6	25 28	2 9	15 46	2 0	0 16	1 59	1 15	1 20	2 32	2 20	23 50	0 17	17 21	1 45	23 20	14 38	11 23	10 55	14 13	7 14	2 26
F 14	23 32	10 51	0s11	25 22	2 9	16 7	1 58	0 27	1 59	1 17	1 20	2 31	2 20	23 50	0 17	17 21	1 44	23 19	14 38	11 24	10 56	14 12	7 16	2 26
S 15	23 33	6 39	1 25	25 13	2 8	16 27	1 57	0 39	2 0	1 19	1 20	2 30	2 21	23 50	0 17	17 21	1 44	23 18	14 38	11 23	10 57	14 10	7 18	2 26
S 16	23 33	2 9	2 34	25 3	2 7	16 48	1 55	0 50	2 0	1 22	1 21	2 30	2 21	23 50	0 17	17 20	1 44	23 18	14 37	11 23	10 58	14 9	7 20	2 26
M17	23 33	2n22	3 32	24 51	2 5	17 7	1 53	1 1	2 1	1 24	1 21	2 29	2 21	23 50	0 17	17 20	1 44	23 17	14 37	11 24	11 0	14 8	7 21	2 26
T 18	23 33	6 41	4 18	24 38	2 2	17 27	1 51	1 12	2 1	1 26	1 21	2 29	2 21	23 50	0 17	17 20	1 44	23 17	14 37	11 25	11 1	14 7	7 23	2 26
W19	23 31	10 35	4 48	24 22	1 59	17 46	1 49	1 23	2 2	1 27	1 21	2 29	2 22	23 50	0 17	17 20	1 44	23 16	14 37	11 27	11 2	14 5	7 24	2 26
T 20	23 30	13 56	5 4	24 6	1 55	18 4	1 47	1 34	2 2	1 29	1 22	2 28	2 22	23 49	0 17	17 19	1 44	23 16	14 36	11 29	11 3	14 4	7 26	2 26
F 21	23 28	16 33	5 3	23 47	1 51	18 22	1 45	1 45	2 3	1 31	1 22	2 28	2 22	23 49	0 17	17 19	1 44	23 15	14 36	11 33	11 4	14 3	7 27	2 26
S 22	23 25	18 21	4 48	23 27	1 46	18 40	1 43	1 56	2 3	1 33	1 22	2 28	2 23	23 49	0 17	17 19	1 44	23 14	14 36	11 37	11 5	14 2	7 29	2 26
S 23	23 22	19 14	4 19	23 6	1 40	18 57	1 41	2 7	2 4	1 34	1 23	2 28	2 23	23 49	0 17	17 19	1 44	23 14	14 36	11 40	11 6	14 0	7 30	2 26
M24	23 18	19 11	3 39	22 43	1 33	19 14	1 39	2 17	2 4	1 36	1 23	2 27	2 23	23 49	0 17	17 18	1 44	23 13	14 35	11 43	11 8	13 59	7 32	2 26
T 25	23 14	18 16	2 49	22 19	1 25	19 30	1 37	2 28	2 5	1 37	1 23	2 27	2 23	23 49	0 17	17 18	1 44	23 13	14 35	11 46	11 9	13 58	7 33	2 26
W26	23 10	16 33	1 52	21 54	1 16	19 45	1 34	2 38	2 5	1 39	1 23	2 27	2 24	23 49	0 17	17 18	1 44	23 12	14 35	11 48	11 10	13 57	7 34	2 26
T 27	23 5	14 7	0 50	21 28	1 7	20 0	1 32	2 49	2 6	1 40	1 24	2 27	2 24	23 49	0 17	17 18	1 44	23 11	14 34	11 49	11 11	13 55	7 35	2 26
F 28	23 0	11 8	0n14	21 1	0 56	20 15	1 30	2 59	2 7	1 41	1 24	2 27	2 24	23 49	0 17	17 17	1 44	23 11	14 34	11 49	11 12	13 54	7 36	2 26
S 29	22 54	7 43	1 17	20 34	0 45	20 29	1 27	3 9	2 7	1 43	1 24	2 27	2 25	23 49	0 17	17 17	1 44	23 10	14 34	11 48	11 13	13 53	7 38	2 26
S 30	22 47	3 58	2 17	20 7	0 32	20 42	1 25	3 19	2 8	1 44	1 24	2 27	2 25	23 49	0 17	17 17	1 44	23 10	14 34	11 48	11 14	13 52	7 39	2 26
M31	22s41	0n 0	3n12	19s39	0s19	20s55	1n22	3s29	2n 8	1s45	1n25	2n27	2n25	23s49	0s17	17n17	1s44	23s 9	14s34	11n47	11n15	13n50	7s40	2s26

Julian Day Number = 2111113.5, Delta T = 19m33s
Ecliptic obliquity = 23°33'28, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°44'50, Lahiri = 10°51'50 Julian Calendar 1 Dec. 1067 == Greg. Calendar 7 Dec. 1067

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1068
geocentric

JANUARY 1068 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 2 35	16♉17'15	19♎39	4♒52	12♐43	14♎11	7♎41	29♍25	2♉46	24°R21	5♓ 9	29°R15	0♍43	20♌42	13♎44	T 1
W 2	7 6 31	17°18'20	2♏16	5°38	13°57	14°38	7°44	29°25	2°49	24♉20	5°10	29♌14	0°39	20°48	13°46	W 2
T 3	7 10 28	18°19'25	15°18	6°15	15°11	15° 4	7°46	29°R25	2°53	24°20	5°11	29°11	0°36	20°55	13°48	T 3
F 4	7 14 24	19°20'29	28°48	6°42	16°25	15°30	7°49	29°25	2°56	24°19	5°12	29° 6	0°33	21° 1	13°51	F 4
S 5	7 18 21	20°21'32	12♐46	7° 0	17°38	15°56	7°51	29°24	3° 0	24°18	5°13	29° 0	0°30	21° 8	13°53	S 5
S 6	7 22 17	21°22'35	27°11	7°R 6	18°52	16°21	7°53	29°24	3° 3	24°17	5°15	28°54	0°27	21°15	13°55	S 6
M 7	7 26 14	22°23'38	11♑57	7° 1	20° 6	16°46	7°55	29°24	3° 7	24°16	5°16	28°48	0°23	21°21	13°57	M 7
T 8	7 30 11	23°24'39	26°58	6°45	21°20	17°11	7°57	29°23	3°10	24°16	5°17	28°44	0°20	21°28	13°58	T 8
W 9	7 34 7	24°25'39	12♒ 4	6°17	22°34	17°36	7°59	29°23	3°14	24°15	5°18	28°41	0°17	21°35	14° 0	W 9
T 10	7 38 4	25°26'39	27° 6	5°38	23°48	18° 0	8° 0	29°22	3°17	24°14	5°20	28°D40	0°14	21°41	14° 1	T 10
F 11	7 42 0	26°27'36	11♓55	4°50	25° 2	18°24	8° 2	29°21	3°20	24°14	5°21	28°41	0°11	21°48	14° 3	F 11
S 12	7 45 57	27°28'33	26°26	3°53	26°16	18°48	8° 3	29°20	3°24	24°13	5°22	28°42	0° 8	21°55	14° 4	S 12
S 13	7 49 53	28°29'28	10♈36	2°49	27°30	19°12	8° 4	29°19	3°27	24°13	5°23	28°43	0° 4	22° 1	14° 5	S 13
M14	7 53 50	29°30'22	24°24	1°40	28°44	19°35	8° 4	29°18	3°30	24°12	5°25	28°R44	0° 1	22° 8	14° 6	M14
T 15	7 57 46	0♒31'14	7♉50	0°28	29°58	19°58	8° 5	29°17	3°34	24°12	5°26	28°44	29♌58	22°15	14° 7	T 15
W16	8 1 43	1°32'05	20°56	29♑14	1♑12	20°20	8° 5	29°15	3°37	24°11	5°27	28°43	29°55	22°21	14° 8	W16
T 17	8 5 40	2°32'54	3♊44	28° 2	2°26	20°43	8°R 5	29°14	3°40	24°11	5°29	28°40	29°52	22°28	14° 9	T 17
F 18	8 9 36	3°33'42	16°18	26°53	3°40	21° 5	8° 5	29°12	3°43	24°10	5°30	28°36	29°48	22°35	14° 9	F 18
S 19	8 13 33	4°34'28	28°39	25°48	4°54	21°27	8° 5	29°11	3°47	24°10	5°32	28°32	29°45	22°41	14°10	S 19
S 20	8 17 29	5°35'13	10♋50	24°49	6° 8	21°48	8° 4	29° 9	3°50	24°10	5°33	28°28	29°42	22°48	14°10	S 20
M21	8 21 26	6°35'57	22°53	23°57	7°22	22° 9	8° 4	29° 7	3°53	24° 9	5°34	28°25	29°39	22°54	14°10	M21
T 22	8 25 22	7°36'38	4♌48	23°12	8°36	22°30	8° 3	29° 5	3°56	24° 9	5°36	28°22	29°36	23° 1	14°R10	T 22
W23	8 29 19	8°37'19	16°39	22°36	9°51	22°50	8° 2	29° 3	3°59	24° 9	5°37	28°20	29°33	23° 8	14°10	W23
T 24	8 33 15	9°37'58	28°27	22° 7	11° 5	23°10	8° 1	29° 1	4° 2	24° 9	5°39	28°D20	29°29	23°14	14°10	T 24
F 25	8 37 12	10°38'35	10♍14	21°46	12°19	23°30	7°59	28°59	4° 5	24° 9	5°40	28°20	29°26	23°21	14°10	F 25
S 26	8 41 9	11°39'12	22° 4	21°34	13°33	23°49	7°58	28°56	4° 8	24° 9	5°42	28°21	29°23	23°28	14° 9	S 26
S 27	8 45 5	12°39'46	3♎59	21°D28	14°47	24° 8	7°56	28°54	4°11	24° 8	5°43	28°23	29°20	23°34	14° 9	S 27
M28	8 49 2	13°40'20	16° 3	21°30	16° 1	24°26	7°54	28°52	4°14	24° 8	5°44	28°24	29°17	23°41	14° 8	M28
T 29	8 52 58	14°40'52	28°20	21°39	17°15	24°44	7°52	28°49	4°17	24°D 8	5°46	28°25	29°14	23°48	14° 7	T 29
W30	8 56 55	15°41'23	10♏54	21°54	18°30	25° 2	7°50	28°46	4°20	24° 8	5°47	28°R26	29°10	23°54	14° 6	W30
T 31	9 0 51	16♒41'52	23♏50	22♑15	19♑44	25♎19	7♎47	28♍43	4♑23	24♉ 8	5♓49	28♌26	29♌ 7	24♌ 1	14♎ 6	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s34	4s 1	4n 0	19s12	0s 4	21s 7	1n19	3s39	2n 9	1s46	1n25	2n27	2n25	23s49	0s17	17n17	1s44	23s 8	14s33	11n47	11n17	13n49	7s41	2s26
W 2	22 26	7 59	4 37	18 46	0n11	21 19	1 17	3 49	2 9	1 47	1 25	2 28	2 26	23 49	0 17	17 17	1 44	23 8	14 33	11 48	11 18	13 48	7 42	2 26
T 3	22 18	11 41	5 2	18 21	0 28	21 30	1 14	3 58	2 10	1 47	1 25	2 28	2 26	23 49	0 17	17 16	1 44	23 7	14 33	11 49	11 19	13 46	7 43	2 26
F 4	22 9	14 56	5 11	17 58	0 45	21 40	1 11	4 8	2 10	1 48	1 26	2 28	2 26	23 49	0 17	17 16	1 43	23 6	14 33	11 51	11 20	13 45	7 43	2 26
S 5	22 0	17 27	5 2	17 37	1 2	21 50	1 9	4 17	2 11	1 49	1 26	2 29	2 27	23 49	0 17	17 16	1 43	23 6	14 32	11 53	11 21	13 44	7 44	2 26
S 6	21 51	18 58	4 34	17 18	1 20	22 0	1 6	4 27	2 11	1 50	1 26	2 29	2 27	23 48	0 17	17 16	1 43	23 5	14 32	11 55	11 22	13 42	7 45	2 26
M 7	21 41	19 14	3 48	17 1	1 38	22 8	1 3	4 36	2 12	1 50	1 26	2 29	2 27	23 48	0 17	17 16	1 43	23 4	14 32	11 57	11 23	13 41	7 46	2 26
T 8	21 31	18 11	2 45	16 48	1 56	22 16	1 0	4 45	2 12	1 51	1 27	2 30	2 27	23 48	0 17	17 16	1 43	23 4	14 32	11 58	11 24	13 40	7 46	2 26
W 9	21 20	15 50	1 30	16 38	2 14	22 23	0 58	4 54	2 13	1 51	1 27	2 30	2 28	23 48	0 17	17 16	1 43	23 3	14 32	11 59	11 26	13 39	7 47	2 26
T 10	21 9	12 24	0 9	16 31	2 31	22 30	0 55	5 3	2 13	1 51	1 27	2 31	2 28	23 48	0 17	17 16	1 43	23 2	14 31	12 0	11 27	13 37	7 48	2 26
F 11	20 58	8 14	1s12	16 27	2 47	22 36	0 52	5 11	2 14	1 52	1 28	2 31	2 28	23 48	0 17	17 15	1 43	23 2	14 31	12 0	11 28	13 36	7 48	2 26
S 12	20 46	3 40	2 26	16 27	3 1	22 41	0 49	5 20	2 14	1 52	1 28	2 32	2 29	23 48	0 17	17 15	1 43	23 1	14 31	11 59	11 29	13 35	7 49	2 26
S 13	20 34	1n 0	3 30	16 29	3 13	22 46	0 46	5 28	2 15	1 52	1 28	2 33	2 29	23 48	0 17	17 15	1 43	23 0	14 31	11 59	11 30	13 33	7 49	2 26
M14	20 21	5 29	4 20	16 34	3 24	22 50	0 43	5 37	2 15	1 52	1 28	2 33	2 29	23 48	0 17	17 15	1 43	23 0	14 31	11 58	11 31	13 32	7 49	2 26
T 15	20 8	9 33	4 54	16 42	3 32	22 53	0 40	5 45	2 16	1 52	1 29	2 34	2 29	23 48	0 17	17 15	1 43	22 59	14 30	11 58	11 32	13 31	7 50	2 26
W16	19 55	13 4	5 11	16 52	3 38	22 56	0 37	5 53	2 16	1 52	1 29	2 35	2 30	23 48	0 17	17 15	1 43	22 58	14 30	11 59	11 33	13 29	7 50	2 26
T 17	19 41	15 53	5 13	17 3	3 41	22 58	0 35	6 1	2 17	1 51	1 29	2 36	2 30	23 48	0 17	17 15	1 43	22 58	14 30	12 0	11 35	13 28	7 50	2 26
F 18	19 27	17 53	4 59	17 16	3 42	22 59	0 32	6 9	2 17	1 51	1 29	2 37	2 30	23 48	0 17	17 15	1 43	22 57	14 30	12 1	11 36	13 27	7 51	2 26
S 19	19 13	19 1	4 32	17 29	3 40	22 59	0 29	6 17	2 18	1 51	1 30	2 38	2 30	23 48	0 17	17 15	1 43	22 56	14 30	12 2	11 37	13 25	7 51	2 26
S 20	18 58	19 15	3 53	17 43	3 37	22 59	0 26	6 24	2 18	1 50	1 30	2 39	2 31	23 47	0 17	17 15	1 43	22 56	14 30	12 4	11 38	13 24	7 51	2 26
M21	18 43	18 35	3 3	17 57	3 31	22 58	0 23	6 32	2 19	1 50	1 30	2 40	2 31	23 47	0 17	17 15	1 42	22 55	14 30	12 5	11 39	13 23	7 51	2 26
T 22	18 28	17 7	2 6	18 12	3 24	22 57	0 20	6 39	2 19	1 49	1 31	2 41	2 31	23 47	0 17	17 15	1 42	22 54	14 29	12 6	11 40	13 21	7 51	2 26
W23	18 12	14 54	1 4	18 26	3 16	22 55	0 17	6 46	2 19	1 49	1 31	2 42	2 31	23 47	0 17	17 15	1 42	22 54	14 29	12 7	11 41	13 20	7 51	2 25
T 24	17 56	12 5	0n 1	18 40	3 6	22 52	0 14	6 53	2 20	1 48	1 31	2 43	2 32	23 47	0 17	17 15	1 42	22 53	14 29	12 7	11 42	13 19	7 51	2 25
F 25	17 39	8 47	1 5	18 54	2 56	22 48	0 11	7 0	2 20	1 47	1 31	2 44	2 32	23 47	0 17	17 15	1 42	22 52	14 29	12 7	11 44	13 17	7 51	2 25
S 26	17 23	5 7	2 8	19 6	2 45	22 44	0 8	7 6	2 21	1 46	1 32	2 45	2 32	23 47	0 17	17 15	1 42	22 52	14 29	12 6	11 45	13 16	7 50	2 25
S 27	17 6	1 14	3 5	19 19	2 33	22 39	0 5	7 13	2 21	1 45	1 32	2 46	2 32	23 47	0 17	17 15	1 42	22 51	14 29	12 6	11 46	13 14	7 50	2 25
M28	16 48	2s44	3 55	19 30	2 21	22 33	0 3	7 19	2 22	1 44	1 32	2 47	2 33	23 47	0 18	17 15	1 42	22 50	14 29	12 5	11 47	13 13	7 50	2 25
T 29	16 31	6 39	4 35	19 41	2 9	22 27	0s 0	7 25	2 22	1 43	1 32	2 49	2 33	23 47	0 18	17 15	1 42	22 50	14 29	12 5	11 48	13 12	7 50	2 25
W30	16 13	10 22	5 3	19 51	1 57	22 20	0 3	7 32	2 23	1 42	1 33	2 50	2 33	23 47	0 18	17 15	1 42	22 49	14 28	12 5	11 49	13 10	7 49	2 25
T 31	15s55	13s43	5n17	19s59	1n45	22s12	0s 6	7s37	2n23	1s41	1n33	2n51	2n33	23s47	0s18	17n15	1s42	22s48	14s28	12n 5	11n50	13n 9	7s49	2s25

Julian Day Number = 2111144.5, Delta T = 19m33s
Ecliptic obliquity = 23°33'28, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°44'54, Lahiri = 10°51'55 Julian Calendar 1 Jan. 1068 == Greg. Calendar 7 Jan. 1068

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1068
geocentric

FEBRUARY 1068 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 4 48	17♒42'21	7♐11	22♉41	20♉58	25♎36	7°R44	28°R41	4♉26	24♉ 9	5♓50	28°R25	29♌ 4	24♌ 8	14°R 4	F 1
S 2	9 8 44	18°42'48	20°59	23°12	22°12	25°52	7♎42	28♍38	4°29	24° 9	5°52	28♌24	29° 1	24°14	14♎ 3	S 2
S 3	9 12 41	19°43'13	5♉14	23°48	23°26	26° 8	7°38	28°35	4°32	24° 9	5°53	28°23	28°58	24°21	14° 2	S 3
M 4	9 16 38	20°43'37	19°54	24°29	24°40	26°24	7°35	28°31	4°34	24° 9	5°55	28°22	28°54	24°28	14° 1	M 4
T 5	9 20 34	21°44'00	4♒54	25°13	25°55	26°39	7°32	28°28	4°37	24° 9	5°57	28°22	28°51	24°34	13°59	T 5
W 6	9 24 31	22°44'20	20° 5	26° 1	27° 9	26°53	7°28	28°25	4°40	24°10	5°58	28°21	28°48	24°41	13°57	W 6
T 7	9 28 27	23°44'39	5♓18	26°52	28°23	27° 7	7°24	28°22	4°42	24°10	6° 0	28°D21	28°45	24°47	13°56	T 7
F 8	9 32 24	24°44'56	20°24	27°47	29°37	27°21	7°21	28°18	4°45	24°10	6° 1	28°21	28°42	24°54	13°54	F 8
S 9	9 36 20	25°45'11	5♈13	28°44	0♒51	27°34	7°16	28°15	4°48	24°11	6° 3	28°22	28°39	25° 1	13°52	S 9
S 10	9 40 17	26°45'24	19°41	29°45	2° 6	27°46	7°12	28°11	4°50	24°11	6° 4	28°22	28°35	25° 7	13°50	S 10
M11	9 44 13	27°45'35	3♉42	0♒48	3°20	27°58	7° 8	28° 8	4°53	24°11	6° 6	28°22	28°32	25°14	13°47	M11
T 12	9 48 10	28°45'44	17°17	1°53	4°34	28° 9	7° 3	28° 4	4°55	24°12	6° 7	28°R22	28°29	25°21	13°45	T 12
W13	9 52 7	29°45'50	0♊26	3° 0	5°48	28°20	6°58	28° 0	4°58	24°12	6° 9	28°D22	28°26	25°27	13°43	W13
T 14	9 56 3	0♓45'55	13°13	4°10	7° 2	28°30	6°53	27°56	5° 0	24°13	6°11	28°22	28°23	25°34	13°40	T 14
F 15	10 0 0	1°45'57	25°41	5°21	8°17	28°40	6°48	27°52	5° 2	24°13	6°12	28°22	28°20	25°41	13°38	F 15
S 16	10 3 56	2°45'57	7♋53	6°35	9°31	28°49	6°43	27°48	5° 5	24°14	6°14	28°23	28°16	25°47	13°35	S 16
S 17	10 7 53	3°45'55	19°55	7°50	10°45	28°58	6°38	27°44	5° 7	24°15	6°15	28°23	28°13	25°54	13°32	S 17
M18	10 11 49	4°45'51	1♌48	9° 7	11°59	29° 5	6°32	27°40	5° 9	24°15	6°17	28°24	28°10	26° 1	13°30	M18
T 19	10 15 46	5°45'44	13°37	10°26	13°13	29°13	6°27	27°36	5°11	24°16	6°18	28°25	28° 7	26° 7	13°27	T 19
W20	10 19 42	6°45'36	25°24	11°46	14°27	29°19	6°21	27°32	5°13	24°17	6°20	28°R25	28° 4	26°14	13°24	W20
T 21	10 23 39	7°45'25	7♍13	13° 8	15°42	29°25	6°15	27°28	5°16	24°18	6°22	28°25	28° 0	26°20	13°20	T 21
F 22	10 27 36	8°45'13	19° 4	14°32	16°56	29°31	6° 9	27°24	5°18	24°18	6°23	28°24	27°57	26°27	13°17	F 22
S 23	10 31 32	9°44'58	1♎ 0	15°56	18°10	29°35	6° 3	27°19	5°20	24°19	6°25	28°23	27°54	26°34	13°14	S 23
S 24	10 35 29	10°44'41	13° 3	17°23	19°24	29°39	5°57	27°15	5°22	24°20	6°26	28°21	27°51	26°40	13°11	S 24
M25	10 39 25	11°44'23	25°16	18°50	20°38	29°42	5°50	27°11	5°24	24°21	6°28	28°19	27°48	26°47	13° 7	M25
T 26	10 43 22	12°44'03	7♏40	20°19	21°52	29°45	5°44	27° 6	5°25	24°22	6°29	28°17	27°45	26°54	13° 4	T 26
W27	10 47 18	13°43'41	20°19	21°49	23° 6	29°47	5°37	27° 2	5°27	24°23	6°31	28°16	27°41	27° 0	13° 0	W27
T 28	10 51 15	14°43'17	3♐15	23°21	24°21	29°48	5°30	26°57	5°29	24°24	6°33	28°14	27°38	27° 7	12°56	T 28
F 29	10 55 11	15♓42'51	16♐30	24♒54	25♒35	29°R49	5♎24	26♍53	5♉31	24♉25	6♓34	28°D14	27♌35	27♌14	12♎53	F 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	15s36	16s27	5n14	20s 7	1n33	22s 3	0s 9	7s43	2n23	1s40	1n33	2n53	2n34	23s47	0s18	17n15	1s42	22s48	14s28	12n 5	11n51	13n 8	7s48	2s25
S 2	15 17	18 22	4 53	20 14	1 20	21 54	0 11	7 49	2 24	1 38	1 33	2 54	2 34	23 46	0 18	17 15	1 42	22 47	14 28	12 5	11 52	13 6	7 48	2 25
S 3	14 58	19 13	4 14	20 20	1 8	21 45	0 14	7 54	2 24	1 37	1 34	2 55	2 34	23 46	0 18	17 16	1 42	22 47	14 28	12 6	11 54	13 5	7 47	2 25
M 4	14 39	18 49	3 18	20 24	0 57	21 34	0 17	7 59	2 25	1 35	1 34	2 57	2 34	23 46	0 18	17 16	1 42	22 46	14 28	12 6	11 55	13 3	7 47	2 25
T 5	14 20	17 5	2 7	20 27	0 45	21 23	0 20	8 4	2 25	1 34	1 34	2 58	2 35	23 46	0 18	17 16	1 42	22 45	14 28	12 6	11 56	13 2	7 46	2 25
W 6	14 0	14 8	0 46	20 30	0 34	21 12	0 22	8 9	2 25	1 32	1 34	3 0	2 35	23 46	0 18	17 16	1 41	22 45	14 28	12 6	11 57	13 1	7 45	2 25
T 7	13 40	10 13	0s39	20 31	0 23	20 59	0 25	8 14	2 26	1 30	1 35	3 1	2 35	23 46	0 18	17 16	1 41	22 44	14 28	12 6	11 58	12 59	7 44	2 25
F 8	13 20	5 39	2 0	20 30	0 12	20 47	0 27	8 19	2 26	1 29	1 35	3 3	2 35	23 46	0 18	17 16	1 41	22 43	14 28	12 6	11 59	12 58	7 44	2 25
S 9	13 0	0 50	3 11	20 29	0 2	20 33	0 30	8 23	2 26	1 27	1 35	3 4	2 35	23 46	0 18	17 16	1 41	22 43	14 28	12 6	12 0	12 56	7 43	2 25
S 10	12 39	3n54	4 9	20 26	0s 8	20 19	0 32	8 27	2 27	1 25	1 35	3 6	2 36	23 46	0 18	17 17	1 41	22 42	14 28	12 6	12 1	12 55	7 42	2 24
M11	12 19	8 17	4 49	20 22	0 18	20 4	0 35	8 31	2 27	1 23	1 35	3 8	2 36	23 46	0 18	17 17	1 41	22 41	14 28	12 6	12 2	12 54	7 41	2 24
T 12	11 58	12 5	5 12	20 17	0 27	19 49	0 37	8 35	2 27	1 21	1 36	3 9	2 36	23 46	0 18	17 17	1 41	22 41	14 28	12 6	12 4	12 52	7 40	2 24
W13	11 37	15 9	5 18	20 10	0 36	19 33	0 40	8 38	2 28	1 19	1 36	3 11	2 36	23 46	0 18	17 17	1 41	22 40	14 28	12 6	12 5	12 51	7 39	2 24
T 14	11 15	17 25	5 8	20 2	0 45	19 17	0 42	8 42	2 28	1 17	1 36	3 13	2 36	23 46	0 18	17 17	1 41	22 40	14 28	12 6	12 6	12 49	7 38	2 24
F 15	10 54	18 46	4 43	19 53	0 53	19 0	0 44	8 45	2 28	1 15	1 36	3 14	2 36	23 46	0 18	17 17	1 41	22 39	14 28	12 6	12 7	12 48	7 37	2 24
S 16	10 32	19 14	4 6	19 42	1 1	18 42	0 46	8 48	2 28	1 12	1 36	3 16	2 37	23 45	0 18	17 18	1 41	22 38	14 28	12 6	12 8	12 47	7 36	2 24
S 17	10 11	18 48	3 18	19 30	1 9	18 24	0 49	8 51	2 28	1 10	1 37	3 18	2 37	23 45	0 18	17 18	1 41	22 38	14 28	12 6	12 9	12 45	7 34	2 24
M18	9 49	17 32	2 23	19 17	1 16	18 6	0 51	8 53	2 29	1 8	1 37	3 20	2 37	23 45	0 18	17 18	1 41	22 37	14 28	12 5	12 10	12 44	7 33	2 24
T 19	9 27	15 31	1 21	19 2	1 23	17 47	0 53	8 56	2 29	1 5	1 37	3 21	2 37	23 45	0 18	17 18	1 41	22 37	14 28	12 5	12 11	12 42	7 32	2 23
W20	9 4	12 51	0 17	18 46	1 29	17 27	0 55	8 58	2 29	1 3	1 37	3 23	2 37	23 45	0 18	17 19	1 41	22 36	14 28	12 5	12 12	12 41	7 31	2 23
T 21	8 42	9 40	0n49	18 29	1 35	17 7	0 57	9 0	2 29	1 0	1 37	3 25	2 37	23 45	0 18	17 19	1 41	22 35	14 28	12 5	12 14	12 39	7 29	2 23
F 22	8 20	6 4	1 52	18 10	1 41	16 46	0 59	9 2	2 29	0 58	1 38	3 27	2 38	23 45	0 18	17 19	1 40	22 35	14 28	12 5	12 15	12 38	7 28	2 23
S 23	7 57	2 13	2 51	17 49	1 46	16 25	1 1	9 3	2 29	0 55	1 38	3 29	2 38	23 45	0 18	17 19	1 40	22 34	14 28	12 6	12 16	12 37	7 26	2 23
S 24	7 34	1s45	3 43	17 28	1 51	16 4	1 3	9 5	2 29	0 53	1 38	3 31	2 38	23 45	0 18	17 20	1 40	22 34	14 28	12 6	12 17	12 35	7 25	2 23
M25	7 12	5 42	4 26	17 5	1 55	15 42	1 4	9 6	2 29	0 50	1 38	3 32	2 38	23 45	0 18	17 20	1 40	22 33	14 28	12 7	12 18	12 34	7 24	2 23
T 26	6 49	9 28	4 56	16 40	1 59	15 20	1 6	9 7	2 29	0 47	1 38	3 34	2 38	23 45	0 18	17 20	1 40	22 33	14 28	12 8	12 19	12 32	7 22	2 22
W27	6 26	12 52	5 14	16 14	2 3	14 57	1 8	9 7	2 29	0 44	1 38	3 36	2 38	23 45	0 18	17 20	1 40	22 32	14 28	12 8	12 20	12 31	7 20	2 22
T 28	6 3	15 45	5 15	15 47	2 6	14 34	1 9	9 8	2 29	0 42	1 38	3 38	2 38	23 45	0 18	17 21	1 40	22 32	14 28	12 9	12 21	12 29	7 19	2 22
F 29	5s40	17s53	5n 1	15s19	2s 9	14s10	1s11	9s 8	2n29	0s39	1n39	3n40	2n38	23s45	0s18	17n21	1s40	22s31	14s28	12n 9	12n22	12n28	7s17	2s22

Julian Day Number = 2111175.5, Delta T = 19m32s
Ecliptic obliquity = 23°33'28, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°44'59, Lahiri = 10°51'59 Julian Calendar 1 Feb. 1068 == Greg. Calendar 7 Feb. 1068

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1068
geocentric

MARCH 1068 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 59 8	16♓42'24	0♉ 8	26♒28	26♒49	29°R48	5°R17	26°R48	5♉33	24♉26	6♓36	28♌14	27♌32	27♌20	12°R49	S 1
S 2	11 3 4	17°41'55	14° 9	28° 4	28° 3	29♎47	5♎10	26♍44	5°34	24°27	6°37	28°16	27°29	27°27	12♎45	S 2
M 3	11 7 1	18°41'24	28°32	29°41	29°17	29°45	5° 3	26°39	5°36	24°28	6°39	28°17	27°26	27°34	12°41	M 3
T 4	11 10 58	19°40'51	13♒15	1♓19	0♓31	29°43	4°56	26°35	5°37	24°29	6°40	28°18	27°22	27°40	12°37	T 4
W 5	11 14 54	20°40'17	28°14	2°59	1°45	29°40	4°48	26°30	5°39	24°31	6°42	28°R19	27°19	27°47	12°33	W 5
T 6	11 18 51	21°39'40	13♓20	4°40	3° 0	29°36	4°41	26°25	5°40	24°32	6°43	28°18	27°16	27°53	12°29	T 6
F 7	11 22 47	22°39'01	28°25	6°22	4°14	29°31	4°34	26°21	5°42	24°33	6°45	28°16	27°13	28° 0	12°25	F 7
S 8	11 26 44	23°38'21	13♈20	8° 5	5°28	29°25	4°26	26°16	5°43	24°34	6°46	28°13	27°10	28° 7	12°20	S 8
S 9	11 30 40	24°37'37	27°56	9°50	6°42	29°19	4°19	26°11	5°45	24°36	6°48	28° 9	27° 6	28°13	12°16	S 9
M10	11 34 37	25°36'52	12♉ 8	11°37	7°56	29°11	4°11	26° 7	5°46	24°37	6°49	28° 6	27° 3	28°20	12°12	M10
T 11	11 38 33	26°36'05	25°53	13°24	9°10	29° 3	4° 4	26° 2	5°47	24°38	6°51	28° 2	27° 0	28°27	12° 7	T 11
W12	11 42 30	27°35'15	9♊10	15°13	10°24	28°55	3°56	25°57	5°48	24°40	6°52	27°59	26°57	28°33	12° 3	W12
T 13	11 46 27	28°34'22	22° 1	17° 4	11°38	28°45	3°48	25°53	5°49	24°41	6°54	27°58	26°54	28°40	11°59	T 13
F 14	11 50 23	29°33'28	4♋30	18°56	12°52	28°35	3°41	25°48	5°51	24°42	6°55	27°D58	26°51	28°47	11°54	F 14
S 15	11 54 20	0♈32'31	16°41	20°49	14° 6	28°24	3°33	25°43	5°52	24°44	6°57	27°59	26°47	28°53	11°50	S 15
S 16	11 58 16	1°31'32	28°39	22°43	15°20	28°12	3°25	25°39	5°53	24°45	6°58	28° 1	26°44	29° 0	11°45	S 16
M17	12 2 13	2°30'30	10♌29	24°40	16°34	28° 0	3°18	25°34	5°53	24°47	7° 0	28° 2	26°41	29° 7	11°41	M17
T 18	12 6 9	3°29'26	22°16	26°37	17°48	27°47	3°10	25°30	5°54	24°48	7° 1	28°R 3	26°38	29°13	11°36	T 18
W19	12 10 6	4°28'20	4♍ 3	28°36	19° 2	27°33	3° 2	25°25	5°55	24°50	7° 3	28° 3	26°35	29°20	11°31	W19
T 20	12 14 2	5°27'11	15°54	0♈36	20°16	27°18	2°55	25°20	5°56	24°51	7° 4	28° 2	26°31	29°27	11°27	T 20
F 21	12 17 59	6°26'01	27°52	2°37	21°30	27° 3	2°47	25°16	5°57	24°53	7° 6	27°58	26°28	29°33	11°22	F 21
S 22	12 21 56	7°24'48	9♎58	4°40	22°44	26°47	2°39	25°11	5°57	24°55	7° 7	27°53	26°25	29°40	11°17	S 22
S 23	12 25 52	8°23'33	22°14	6°43	23°58	26°31	2°32	25° 7	5°58	24°56	7° 8	27°46	26°22	29°46	11°13	S 23
M24	12 29 49	9°22'17	4♏42	8°48	25°12	26°13	2°24	25° 2	5°59	24°58	7°10	27°39	26°19	29°53	11° 8	M24
T 25	12 33 45	10°20'58	17°21	10°53	26°26	25°56	2°16	24°58	5°59	25° 0	7°11	27°32	26°16	29°59	11° 3	T 25
W26	12 37 42	11°19'38	0♐13	12°59	27°40	25°37	2° 9	24°54	6° 0	25° 1	7°12	27°25	26°12	0♍ 6	10°59	W26
T 27	12 41 38	12°18'16	13°19	15° 6	28°54	25°19	2° 1	24°49	6° 0	25° 3	7°14	27°20	26° 9	0°13	10°54	T 27
F 28	12 45 35	13°16'52	26°39	17°13	0♈ 8	24°59	1°54	24°45	6° 0	25° 5	7°15	27°16	26° 6	0°20	10°49	F 28
S 29	12 49 31	14°15'27	10♉14	19°20	1°22	24°40	1°46	24°41	6° 1	25° 7	7°16	27°D15	26° 3	0°26	10°45	S 29
S 30	12 53 28	15°14'00	24° 6	21°27	2°36	24°19	1°39	24°37	6° 1	25° 8	7°18	27°15	26° 0	0°33	10°40	S 30
M31	12 57 24	16♈12'31	8♒14	23♈33	3♈50	23♎59	1♎32	24♍32	6♉ 1	25♉10	7♓19	27♌16	25♌57	0♍40	10♎35	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s16	19s 4	4n29	14s49	2s11	13s46	1s12	9s 8	2n29	0s36	1n39	3n42	2n38	23s45	0s18	17n21	1s40	22s30	14s28	12n 9	12n23	12n26	7s16	2s22
S 2	4 53	19 9	3 41	14 17	2 13	13 22	1 14	9 8	2 29	0 33	1 39	3 44	2 39	23 45	0 18	17 22	1 40	22 30	14 28	12 8	12 24	12 25	7 14	2 22
M 3	4 30	17 59	2 37	13 44	2 15	12 57	1 15	9 8	2 28	0 30	1 39	3 46	2 39	23 45	0 18	17 22	1 40	22 29	14 28	12 8	12 26	12 23	7 12	2 21
T 4	4 6	15 37	1 22	13 10	2 16	12 32	1 17	9 7	2 28	0 27	1 39	3 48	2 39	23 44	0 18	17 22	1 40	22 29	14 29	12 7	12 27	12 22	7 10	2 21
W 5	3 43	12 9	0 0	12 35	2 16	12 7	1 18	9 6	2 28	0 24	1 39	3 49	2 39	23 44	0 18	17 23	1 40	22 28	14 29	12 7	12 28	12 21	7 9	2 21
T 6	3 19	7 51	1s22	11 58	2 16	11 41	1 19	9 5	2 27	0 21	1 39	3 51	2 39	23 44	0 18	17 23	1 40	22 28	14 29	12 7	12 29	12 19	7 7	2 21
F 7	2 56	3 3	2 38	11 20	2 16	11 15	1 20	9 4	2 27	0 18	1 39	3 53	2 39	23 44	0 18	17 23	1 40	22 27	14 29	12 8	12 30	12 18	7 5	2 21
S 8	2 32	1n52	3 43	10 40	2 15	10 49	1 21	9 2	2 26	0 15	1 39	3 55	2 39	23 44	0 18	17 24	1 40	22 27	14 29	12 9	12 31	12 16	7 3	2 20
S 9	2 9	6 34	4 32	9 59	2 14	10 22	1 22	9 0	2 26	0 12	1 39	3 57	2 39	23 44	0 18	17 24	1 40	22 26	14 29	12 10	12 32	12 15	7 1	2 20
M10	1 45	10 45	5 2	9 17	2 12	9 55	1 23	8 58	2 25	0 9	1 39	3 59	2 39	23 44	0 18	17 25	1 39	22 26	14 29	12 12	12 33	12 13	6 59	2 20
T 11	1 21	14 14	5 14	8 33	2 10	9 28	1 24	8 56	2 25	0 6	1 39	4 1	2 39	23 44	0 18	17 25	1 39	22 26	14 29	12 13	12 34	12 12	6 57	2 20
W12	0 58	16 51	5 8	7 48	2 7	9 1	1 25	8 54	2 24	0 3	1 40	4 3	2 39	23 44	0 18	17 25	1 39	22 25	14 30	12 14	12 35	12 10	6 55	2 19
T 13	0 34	18 32	4 47	7 2	2 4	8 33	1 25	8 51	2 23	0n 0	1 40	4 5	2 39	23 44	0 18	17 26	1 39	22 25	14 30	12 14	12 37	12 9	6 53	2 19
F 14	0 11	19 16	4 13	6 14	2 0	8 5	1 26	8 48	2 23	0 3	1 40	4 7	2 39	23 44	0 18	17 26	1 39	22 24	14 30	12 14	12 38	12 7	6 51	2 19
S 15	0n13	19 5	3 28	5 25	1 55	7 37	1 27	8 45	2 22	0 6	1 40	4 8	2 39	23 44	0 19	17 26	1 39	22 24	14 30	12 14	12 39	12 6	6 49	2 19
S 16	0 37	18 1	2 34	4 35	1 50	7 9	1 27	8 42	2 21	0 9	1 40	4 10	2 39	23 44	0 19	17 27	1 39	22 23	14 30	12 13	12 40	12 4	6 47	2 18
M17	1 0	16 11	1 35	3 44	1 45	6 40	1 28	8 38	2 20	0 12	1 40	4 12	2 39	23 44	0 19	17 27	1 39	22 23	14 30	12 13	12 41	12 3	6 45	2 18
T 18	1 24	13 40	0 32	2 52	1 39	6 12	1 28	8 34	2 19	0 15	1 40	4 14	2 39	23 44	0 19	17 28	1 39	22 23	14 30	12 12	12 42	12 1	6 43	2 18
W19	1 47	10 35	0n33	1 59	1 33	5 43	1 28	8 30	2 18	0 19	1 40	4 16	2 39	23 44	0 19	17 28	1 39	22 22	14 31	12 12	12 43	12 0	6 41	2 17
T 20	2 11	7 4	1 36	1 4	1 26	5 14	1 29	8 26	2 17	0 22	1 40	4 18	2 39	23 44	0 19	17 29	1 39	22 22	14 31	12 13	12 44	11 58	6 39	2 17
F 21	2 34	3 14	2 35	0 9	1 18	4 45	1 29	8 22	2 16	0 25	1 40	4 19	2 39	23 44	0 19	17 29	1 39	22 21	14 31	12 14	12 45	11 57	6 37	2 17
S 22	2 57	0s47	3 28	0n47	1 10	4 15	1 29	8 17	2 14	0 28	1 40	4 21	2 39	23 44	0 19	17 29	1 39	22 21	14 31	12 16	12 46	11 55	6 35	2 17
S 23	3 21	4 48	4 12	1 44	1 2	3 46	1 29	8 13	2 13	0 31	1 40	4 23	2 39	23 44	0 19	17 30	1 39	22 21	14 31	12 18	12 47	11 54	6 33	2 16
M24	3 44	8 40	4 45	2 42	0 53	3 16	1 29	8 8	2 12	0 34	1 40	4 25	2 39	23 44	0 19	17 30	1 39	22 20	14 32	12 21	12 48	11 52	6 31	2 16
T 25	4 7	12 14	5 4	3 40	0 43	2 47	1 29	8 3	2 10	0 37	1 39	4 26	2 39	23 44	0 19	17 31	1 39	22 20	14 32	12 24	12 50	11 51	6 28	2 16
W26	4 30	15 16	5 9	4 38	0 34	2 17	1 29	7 57	2 9	0 40	1 39	4 28	2 39	23 44	0 19	17 31	1 39	22 20	14 32	12 26	12 51	11 49	6 26	2 15
T 27	4 53	17 36	4 57	5 37	0 24	1 47	1 29	7 52	2 7	0 43	1 39	4 30	2 39	23 44	0 19	17 32	1 39	22 19	14 32	12 28	12 52	11 48	6 24	2 15
F 28	5 16	19 1	4 30	6 35	0 13	1 18	1 28	7 47	2 5	0 46	1 39	4 31	2 39	23 44	0 19	17 32	1 39	22 19	14 32	12 29	12 53	11 46	6 22	2 15
S 29	5 39	19 24	3 47	7 34	0 3	0 48	1 28	7 41	2 4	0 48	1 39	4 33	2 39	23 44	0 19	17 33	1 39	22 19	14 33	12 29	12 54	11 44	6 20	2 14
S 30	6 2	18 37	2 50	8 32	0n 8	0 18	1 28	7 35	2 2	0 51	1 39	4 35	2 39	23 44	0 19	17 33	1 39	22 18	14 33	12 29	12 55	11 43	6 18	2 14
M31	6n24	16s40	1n41	9n29	0n19	0n12	1s27	7s29	2n 0	0n54	1n39	4n36	2n39	23s44	0s19	17n34	1s38	22s18	14s33	12n29	12n56	11n41	6s16	2s14

Julian Day Number = 2111204.5, Delta T = 19m32s
Ecliptic obliquity = 23°33'29, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°45'02, Lahiri = 10°52'03 Julian Calendar 1 March 1068 == Greg. Calendar 7 March 1068

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1068
geocentric

APRIL 1068 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 1 21	17♈11'01	22♒38	25♈39	5♈ 4	23°R38	1°R25	24°R28	6♑ 1	25♉12	7♓20	27°R17	25♌53	0♍46	10°R31	T 1
W 2	13 5 18	18° 9'28	7♓15	27°43	6°18	23♎16	1♎17	24♍24	6° 2	25°14	7°22	27♌17	25°50	0°53	10♎26	W 2
T 3	13 9 14	19° 7'54	22° 0	29°46	7°32	22°55	1°10	24°20	6° 2	25°16	7°23	27°14	25°47	1° 0	10°22	T 3
F 4	13 13 11	20° 6'19	6♈48	1♉48	8°46	22°33	1° 3	24°16	6°R 2	25°18	7°24	27°10	25°44	1° 6	10°17	F 4
S 5	13 17 7	21° 4'41	21°31	3°47	10° 0	22°11	0°56	24°12	6° 2	25°20	7°25	27° 3	25°41	1°13	10°12	S 5
S 6	13 21 4	22° 3'02	6♉ 1	5°44	11°14	21°49	0°50	24° 8	6° 2	25°22	7°26	26°55	25°37	1°19	10° 8	S 6
M 7	13 25 0	23° 1'21	20°12	7°38	12°28	21°26	0°43	24° 5	6° 1	25°24	7°28	26°46	25°34	1°26	10° 3	M 7
T 8	13 28 57	23°59'38	3♊58	9°29	13°41	21° 4	0°36	24° 1	6° 1	25°26	7°29	26°37	25°31	1°33	9°59	T 8
W 9	13 32 53	24°57'53	17°18	11°17	14°55	20°42	0°30	23°57	6° 1	25°28	7°30	26°30	25°28	1°39	9°55	W 9
T 10	13 36 50	25°56'06	0♋13	13° 2	16° 9	20°19	0°23	23°54	6° 1	25°30	7°31	26°24	25°25	1°46	9°50	T 10
F 11	13 40 47	26°54'16	12°45	14°43	17°23	19°57	0°17	23°50	6° 0	25°32	7°32	26°21	25°22	1°53	9°46	F 11
S 12	13 44 43	27°52'25	24°57	16°21	18°37	19°35	0°11	23°47	6° 0	25°34	7°33	26°D20	25°18	1°59	9°42	S 12
S 13	13 48 40	28°50'32	6♌56	17°55	19°51	19°13	0° 5	23°43	6° 0	25°36	7°34	26°20	25°15	2° 6	9°37	S 13
M14	13 52 36	29°48'37	18°47	19°25	21° 5	18°51	29♍59	23°40	5°59	25°38	7°35	26°21	25°12	2°13	9°33	M14
T 15	13 56 33	0♉46'39	0♍34	20°51	22°18	18°30	29°53	23°37	5°59	25°40	7°36	26°R21	25° 9	2°19	9°29	T 15
W16	14 0 29	1°44'40	12°23	22°13	23°32	18° 9	29°48	23°34	5°58	25°42	7°38	26°20	25° 6	2°26	9°25	W16
T 17	14 4 26	2°42'39	24°18	23°31	24°46	17°48	29°42	23°30	5°57	25°44	7°39	26°16	25° 2	2°33	9°21	T 17
F 18	14 8 22	3°40'36	6♎23	24°45	26° 0	17°28	29°37	23°27	5°57	25°46	7°40	26°10	24°59	2°39	9°17	F 18
S 19	14 12 19	4°38'32	18°41	25°54	27°14	17° 8	29°31	23°25	5°56	25°48	7°40	26° 2	24°56	2°46	9°13	S 19
S 20	14 16 16	5°36'25	1♏12	26°59	28°27	16°48	29°26	23°22	5°55	25°50	7°41	25°51	24°53	2°52	9° 9	S 20
M21	14 20 12	6°34'18	13°58	28° 0	29°41	16°29	29°21	23°19	5°54	25°52	7°42	25°39	24°50	2°59	9° 5	M21
T 22	14 24 9	7°32'08	26°58	28°56	0♉55	16°11	29°17	23°16	5°54	25°54	7°43	25°27	24°47	3° 6	9° 2	T 22
W23	14 28 5	8°29'57	10♐10	29°48	2° 9	15°53	29°12	23°14	5°53	25°57	7°44	25°17	24°43	3°12	8°58	W23
T 24	14 32 2	9°27'45	23°35	0♊35	3°22	15°36	29° 7	23°11	5°52	25°59	7°45	25° 8	24°40	3°19	8°54	T 24
F 25	14 35 58	10°25'32	7♑10	1°17	4°36	15°19	29° 3	23° 9	5°51	26° 1	7°46	25° 2	24°37	3°26	8°51	F 25
S 26	14 39 55	11°23'17	20°54	1°55	5°50	15° 3	28°59	23° 6	5°50	26° 3	7°47	24°58	24°34	3°32	8°47	S 26
S 27	14 43 51	12°21'02	4♒48	2°28	7° 4	14°47	28°55	23° 4	5°49	26° 5	7°48	24°57	24°31	3°39	8°44	S 27
M28	14 47 48	13°18'45	18°50	2°56	8°17	14°33	28°51	23° 2	5°48	26° 8	7°48	24°57	24°28	3°46	8°41	M28
T 29	14 51 45	14°16'27	3♓ 0	3°20	9°31	14°19	28°47	23° 0	5°46	26°10	7°49	24°57	24°24	3°52	8°38	T 29
W30	14 55 41	15♉14'08	17♓18	3♊38	10♉45	14♎ 5	28♍44	22♍58	5♑45	26♉12	7♓50	24♌55	24♌21	3♍59	8♎35	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n47	13s39	0n25	10n26	0n30	0n42	1s27	7s23	1n58	0n57	1n39	4n38	2n39	23s44	0s19	17n34	1s38	22s18	14s33	12n29	12n57	11n40	6s13	2s13
W 2	7 9	9 43	0s53	11 21	0 41	1 12	1 26	7 17	1 56	1 0	1 39	4 39	2 38	23 44	0 19	17 35	1 38	22 18	14 34	12 29	12 58	11 38	6 11	2 13
T 3	7 32	5 10	2 9	12 15	0 52	1 42	1 25	7 11	1 54	1 2	1 39	4 41	2 38	23 44	0 19	17 35	1 38	22 17	14 34	12 29	12 59	11 37	6 9	2 13
F 4	7 54	0 17	3 16	13 8	1 3	2 12	1 25	7 5	1 52	1 5	1 39	4 42	2 38	23 44	0 19	17 35	1 38	22 17	14 34	12 31	13 0	11 35	6 7	2 12
S 5	8 16	4n34	4 10	13 59	1 13	2 42	1 24	6 59	1 50	1 8	1 39	4 44	2 38	23 44	0 19	17 36	1 38	22 17	14 34	12 33	13 1	11 34	6 5	2 12
S 6	8 38	9 6	4 46	14 48	1 23	3 11	1 23	6 53	1 47	1 10	1 38	4 45	2 38	23 44	0 19	17 36	1 38	22 17	14 35	12 36	13 3	11 32	6 3	2 11
M 7	9 0	13 0	5 4	15 35	1 33	3 41	1 22	6 47	1 45	1 13	1 38	4 47	2 38	23 44	0 19	17 37	1 38	22 16	14 35	12 39	13 4	11 31	6 0	2 11
T 8	9 21	16 5	5 3	16 20	1 42	4 11	1 21	6 40	1 43	1 15	1 38	4 48	2 38	23 44	0 19	17 37	1 38	22 16	14 35	12 42	13 5	11 29	5 58	2 11
W 9	9 43	18 12	4 46	17 3	1 51	4 40	1 20	6 34	1 40	1 18	1 38	4 49	2 38	23 44	0 19	17 38	1 38	22 16	14 35	12 45	13 6	11 27	5 56	2 10
T 10	10 4	19 19	4 15	17 43	1 59	5 10	1 19	6 28	1 38	1 20	1 38	4 51	2 38	23 44	0 19	17 38	1 38	22 16	14 36	12 47	13 7	11 26	5 54	2 10
F 11	10 25	19 26	3 32	18 20	2 6	5 39	1 18	6 22	1 35	1 23	1 38	4 52	2 37	23 44	0 19	17 39	1 38	22 16	14 36	12 48	13 8	11 24	5 52	2 9
S 12	10 46	18 37	2 40	18 56	2 13	6 9	1 17	6 16	1 33	1 25	1 38	4 53	2 37	23 44	0 19	17 39	1 38	22 15	14 36	12 48	13 9	11 23	5 50	2 9
S 13	11 7	16 59	1 42	19 28	2 19	6 38	1 16	6 10	1 30	1 27	1 37	4 55	2 37	23 44	0 19	17 40	1 38	22 15	14 36	12 48	13 10	11 21	5 48	2 9
M14	11 28	14 38	0 40	19 59	2 24	7 7	1 14	6 4	1 28	1 30	1 37	4 56	2 37	23 45	0 19	17 41	1 38	22 15	14 37	12 48	13 11	11 20	5 46	2 8
T 15	11 48	11 41	0n23	20 26	2 28	7 36	1 13	5 59	1 25	1 32	1 37	4 57	2 37	23 45	0 19	17 41	1 38	22 15	14 37	12 48	13 12	11 18	5 44	2 8
W16	12 8	8 15	1 25	20 51	2 32	8 4	1 12	5 53	1 22	1 34	1 37	4 58	2 37	23 45	0 19	17 42	1 38	22 15	14 37	12 48	13 13	11 16	5 42	2 7
T 17	12 28	4 28	2 23	21 14	2 34	8 33	1 10	5 48	1 20	1 36	1 37	4 59	2 37	23 45	0 19	17 42	1 38	22 15	14 38	12 49	13 14	11 15	5 40	2 7
F 18	12 48	0 27	3 16	21 34	2 36	9 1	1 9	5 42	1 17	1 38	1 36	5 0	2 36	23 45	0 19	17 43	1 38	22 15	14 38	12 51	13 15	11 13	5 38	2 6
S 19	13 8	3s38	4 1	21 52	2 37	9 30	1 7	5 37	1 14	1 40	1 36	5 1	2 36	23 45	0 19	17 43	1 38	22 15	14 38	12 54	13 16	11 12	5 36	2 6
S 20	13 27	7 39	4 35	22 7	2 36	9 57	1 6	5 32	1 11	1 42	1 36	5 2	2 36	23 45	0 19	17 44	1 38	22 15	14 39	12 58	13 18	11 10	5 34	2 6
M21	13 47	11 24	4 56	22 20	2 35	10 25	1 4	5 28	1 9	1 43	1 36	5 3	2 36	23 45	0 19	17 44	1 38	22 14	14 39	13 2	13 19	11 8	5 32	2 5
T 22	14 6	14 41	5 2	22 31	2 33	10 53	1 2	5 23	1 6	1 45	1 36	5 4	2 36	23 45	0 19	17 45	1 38	22 14	14 39	13 6	13 20	11 7	5 30	2 5
W23	14 24	17 16	4 52	22 39	2 30	11 20	1 1	5 19	1 3	1 47	1 35	5 5	2 36	23 45	0 19	17 45	1 38	22 14	14 40	13 10	13 21	11 5	5 28	2 4
T 24	14 43	18 58	4 26	22 45	2 26	11 47	0 59	5 15	1 0	1 48	1 35	5 6	2 36	23 45	0 19	17 46	1 38	22 14	14 40	13 13	13 22	11 4	5 27	2 4
F 25	15 1	19 37	3 45	22 49	2 21	12 13	0 57	5 11	0 57	1 50	1 35	5 7	2 35	23 45	0 20	17 46	1 38	22 14	14 40	13 15	13 23	11 2	5 25	2 3
S 26	15 19	19 7	2 50	22 51	2 14	12 40	0 55	5 7	0 54	1 51	1 35	5 7	2 35	23 45	0 20	17 47	1 38	22 14	14 40	13 16	13 24	11 0	5 23	2 3
S 27	15 37	17 28	1 45	22 50	2 7	13 6	0 53	5 4	0 52	1 53	1 35	5 8	2 35	23 45	0 20	17 47	1 38	22 14	14 41	13 16	13 25	10 59	5 21	2 2
M28	15 55	14 44	0 32	22 48	1 59	13 32	0 51	5 1	0 49	1 54	1 34	5 9	2 35	23 45	0 20	17 48	1 38	22 14	14 41	13 16	13 26	10 57	5 19	2 2
T 29	16 12	11 7	0s43	22 43	1 50	13 57	0 49	4 58	0 46	1 55	1 34	5 9	2 35	23 45	0 20	17 48	1 38	22 14	14 41	13 16	13 27	10 56	5 18	2 1
W30	16n29	6s49	1s56	22n37	1n39	14n22	0s47	4s55	0n43	1n57	1n34	5n10	2n34	23s46	0s20	17n49	1s38	22s14	14s42	13n17	13n28	10n54	5s16	2s 1

Julian Day Number = 2111235.5, Delta T = 19m32s
Ecliptic obliquity = 23°33'29, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°45'07, Lahiri = 10°52'07 Julian Calendar 1 Apr. 1068 == Greg. Calendar 7 Apr. 1068

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1068
geocentric

MAY 1068 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 59 38	16♉11'48	1♈40	3♊52	11♉59	13°R53	28°R40	22°R56	5°R44	26♉14	7♓51	24°R52	24♌18	4♍ 6	8°R31	T 1
F 2	15 3 34	17° 9'26	16° 4	4° 1	13°12	13♎41	28♍37	22♍54	5♑43	26°16	7°51	24♌45	24°15	4°12	8♎29	F 2
S 3	15 7 31	18° 7'04	0♉23	4°R 5	14°26	13°30	28°34	22°53	5°41	26°19	7°52	24°36	24°12	4°19	8°26	S 3
S 4	15 11 27	19° 4'40	14°34	4° 5	15°40	13°20	28°31	22°51	5°40	26°21	7°53	24°25	24° 8	4°26	8°23	S 4
M 5	15 15 24	20° 2'16	28°29	3°59	16°54	13°10	28°29	22°49	5°38	26°23	7°53	24°13	24° 5	4°32	8°20	M 5
T 6	15 19 20	20°59'50	12♊ 5	3°50	18° 7	13° 2	28°26	22°48	5°37	26°25	7°54	24° 1	24° 2	4°39	8°18	T 6
W 7	15 23 17	21°57'23	25°19	3°36	19°21	12°54	28°24	22°47	5°36	26°28	7°55	23°51	23°59	4°45	8°15	W 7
T 8	15 27 14	22°54'54	8♋10	3°19	20°35	12°47	28°22	22°45	5°34	26°30	7°55	23°43	23°56	4°52	8°13	T 8
F 9	15 31 10	23°52'25	20°41	2°57	21°49	12°41	28°20	22°44	5°32	26°32	7°56	23°38	23°53	4°59	8°10	F 9
S 10	15 35 7	24°49'53	2♌54	2°33	23° 2	12°36	28°18	22°43	5°31	26°34	7°56	23°35	23°49	5° 5	8° 8	S 10
S 11	15 39 3	25°47'21	14°54	2° 6	24°16	12°31	28°16	22°42	5°29	26°37	7°57	23°34	23°46	5°12	8° 6	S 11
M12	15 43 0	26°44'47	26°45	1°36	25°30	12°27	28°15	22°42	5°27	26°39	7°57	23°34	23°43	5°19	8° 4	M12
T 13	15 46 56	27°42'12	8♍34	1° 5	26°43	12°25	28°14	22°41	5°26	26°41	7°58	23°34	23°40	5°25	8° 2	T 13
W14	15 50 53	28°39'36	20°25	0°32	27°57	12°23	28°13	22°40	5°24	26°43	7°58	23°32	23°37	5°32	8° 0	W14
T 15	15 54 49	29°36'58	2♎23	29♉58	29°11	12°21	28°12	22°40	5°22	26°45	7°59	23°29	23°34	5°39	7°59	T 15
F 16	15 58 46	0♊34'20	14°34	29°25	0♊24	12°D21	28°11	22°39	5°20	26°48	7°59	23°23	23°30	5°45	7°57	F 16
S 17	16 2 43	1°31'40	27° 0	28°52	1°38	12°21	28°11	22°39	5°19	26°50	7°59	23°14	23°27	5°52	7°56	S 17
S 18	16 6 39	2°28'59	9♏44	28°20	2°52	12°23	28°10	22°39	5°17	26°52	8° 0	23° 4	23°24	5°59	7°54	S 18
M19	16 10 36	3°26'17	22°47	27°49	4° 5	12°25	28°D10	22°39	5°15	26°54	8° 0	22°52	23°21	6° 5	7°53	M19
T 20	16 14 32	4°23'35	6♐ 8	27°20	5°19	12°27	28°10	22°D39	5°13	26°57	8° 0	22°40	23°18	6°12	7°52	T 20
W21	16 18 29	5°20'52	19°44	26°54	6°33	12°31	28°10	22°39	5°11	26°59	8° 1	22°29	23°14	6°19	7°51	W21
T 22	16 22 25	6°18'08	3♑32	26°31	7°47	12°35	28°11	22°39	5° 9	27° 1	8° 1	22°20	23°11	6°25	7°50	T 22
F 23	16 26 22	7°15'24	17°30	26°12	9° 0	12°40	28°11	22°39	5° 7	27° 3	8° 1	22°13	23° 8	6°32	7°49	F 23
S 24	16 30 18	8°12'39	1♒34	25°56	10°14	12°46	28°12	22°40	5° 5	27° 6	8° 1	22°10	23° 5	6°39	7°48	S 24
S 25	16 34 15	9° 9'54	15°41	25°44	11°28	12°52	28°13	22°40	5° 3	27° 8	8° 2	22° 8	23° 2	6°45	7°48	S 25
M26	16 38 12	10° 7'08	29°49	25°36	12°41	13° 0	28°14	22°41	5° 1	27°10	8° 2	22°D 8	22°59	6°52	7°47	M26
T 27	16 42 8	11° 4'22	13♓57	25°D32	13°55	13° 7	28°15	22°41	4°59	27°12	8° 2	22°R 8	22°55	6°58	7°47	T 27
W28	16 46 5	12° 1'36	28° 4	25°33	15° 9	13°16	28°17	22°42	4°56	27°14	8° 2	22° 8	22°52	7° 5	7°46	W28
T 29	16 50 1	12°58'50	12♈ 9	25°39	16°22	13°25	28°18	22°43	4°54	27°17	8° 2	22° 5	22°49	7°12	7°46	T 29
F 30	16 53 58	13°56'03	26°10	25°49	17°36	13°35	28°20	22°44	4°52	27°19	8° 2	21°59	22°46	7°18	7°D46	F 30
S 31	16 57 54	14♊53'16	10♉ 4	26♉ 4	18♊50	13♎46	28♍22	22♍45	4♑50	27♉21	8♓ 2	21♌51	22♌43	7♍25	7♎46	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n46	2s 6	3s 1	22n28	1n28	14n47	0s45	4s53	0n40	1n58	1n34	5n11	2n34	23s46	0s20	17n49	1s38	22s14	14s42	13n18	13n29	10n52	5s14	2s 1
F 2	17 2	2n44	3 56	22 18	1 16	15 12	0 43	4 51	0 38	1 59	1 33	5 11	2 34	23 46	0 20	17 50	1 38	22 14	14 42	13 20	13 30	10 51	5 13	2 0
S 3	17 19	7 23	4 35	22 6	1 3	15 36	0 41	4 49	0 35	2 0	1 33	5 12	2 34	23 46	0 20	17 51	1 38	22 14	14 43	13 23	13 31	10 49	5 11	2 0
S 4	17 35	11 34	4 56	21 52	0 49	15 59	0 39	4 48	0 32	2 1	1 33	5 12	2 34	23 46	0 20	17 51	1 38	22 14	14 43	13 27	13 32	10 48	5 10	1 59
M 5	17 50	15 3	5 0	21 36	0 34	16 23	0 37	4 46	0 29	2 1	1 33	5 12	2 33	23 46	0 20	17 52	1 38	22 14	14 44	13 31	13 33	10 46	5 8	1 59
T 6	18 6	17 37	4 46	21 20	0 19	16 45	0 35	4 46	0 27	2 2	1 32	5 13	2 33	23 46	0 20	17 52	1 38	22 15	14 44	13 35	13 35	10 44	5 7	1 58
W 7	18 21	19 11	4 17	21 1	0 3	17 8	0 33	4 45	0 24	2 3	1 32	5 13	2 33	23 46	0 20	17 53	1 38	22 15	14 44	13 38	13 36	10 43	5 5	1 58
T 8	18 36	19 43	3 36	20 41	0s14	17 30	0 30	4 45	0 21	2 4	1 32	5 13	2 33	23 46	0 20	17 53	1 38	22 15	14 45	13 41	13 37	10 41	5 4	1 57
F 9	18 50	19 14	2 45	20 21	0 31	17 51	0 28	4 45	0 19	2 4	1 32	5 14	2 33	23 46	0 20	17 54	1 38	22 15	14 45	13 43	13 38	10 39	5 3	1 57
S 10	19 4	17 52	1 47	19 59	0 48	18 12	0 26	4 45	0 16	2 5	1 31	5 14	2 32	23 46	0 20	17 54	1 38	22 15	14 45	13 44	13 39	10 38	5 1	1 56
S 11	19 18	15 43	0 46	19 37	1 6	18 33	0 24	4 46	0 14	2 5	1 31	5 14	2 32	23 46	0 20	17 55	1 38	22 15	14 46	13 44	13 40	10 36	5 0	1 56
M12	19 32	12 55	0n17	19 14	1 23	18 53	0 21	4 46	0 11	2 5	1 31	5 14	2 32	23 47	0 20	17 55	1 38	22 15	14 46	13 44	13 41	10 34	4 59	1 55
T 13	19 45	9 37	1 19	18 51	1 40	19 13	0 19	4 48	0 9	2 6	1 31	5 14	2 32	23 47	0 20	17 56	1 38	22 15	14 46	13 44	13 42	10 33	4 57	1 55
W14	19 58	5 55	2 17	18 27	1 57	19 32	0 17	4 49	0 6	2 6	1 30	5 14	2 31	23 47	0 20	17 56	1 38	22 16	14 47	13 44	13 43	10 31	4 56	1 54
T 15	20 10	1 57	3 10	18 5	2 13	19 50	0 14	4 51	0 4	2 6	1 30	5 14	2 31	23 47	0 20	17 57	1 38	22 16	14 47	13 46	13 44	10 29	4 55	1 54
F 16	20 22	2s 9	3 56	17 42	2 29	20 9	0 12	4 53	0 1	2 6	1 30	5 14	2 31	23 47	0 20	17 57	1 38	22 16	14 47	13 48	13 45	10 28	4 54	1 53
S 17	20 34	6 15	4 31	17 20	2 44	20 26	0 10	4 55	0s 1	2 6	1 30	5 14	2 31	23 47	0 20	17 58	1 38	22 16	14 48	13 50	13 46	10 26	4 53	1 53
S 18	20 46	10 10	4 53	17 0	2 58	20 43	0 7	4 58	0 3	2 6	1 29	5 14	2 31	23 47	0 20	17 58	1 38	22 16	14 48	13 54	13 47	10 24	4 52	1 52
M19	20 57	13 42	5 1	16 40	3 11	20 59	0 5	5 1	0 6	2 6	1 29	5 14	2 30	23 47	0 20	17 59	1 38	22 16	14 49	13 58	13 48	10 23	4 51	1 52
T 20	21 8	16 38	4 53	16 23	3 22	21 15	0 2	5 4	0 8	2 5	1 29	5 14	2 30	23 47	0 20	17 59	1 38	22 17	14 49	14 2	13 49	10 21	4 50	1 51
W21	21 18	18 42	4 28	16 6	3 33	21 30	0 0	5 7	0 10	2 5	1 28	5 14	2 30	23 47	0 20	18 0	1 38	22 17	14 49	14 5	13 50	10 19	4 49	1 51
T 22	21 28	19 43	3 47	15 52	3 42	21 45	0n 2	5 11	0 12	2 5	1 28	5 13	2 30	23 47	0 20	18 0	1 38	22 17	14 50	14 8	13 51	10 18	4 48	1 50
F 23	21 38	19 33	2 53	15 40	3 51	21 59	0 5	5 15	0 14	2 4	1 28	5 13	2 29	23 48	0 20	18 1	1 38	22 17	14 50	14 10	13 52	10 16	4 48	1 50
S 24	21 47	18 10	1 47	15 29	3 57	22 13	0 7	5 19	0 17	2 4	1 28	5 13	2 29	23 48	0 20	18 1	1 38	22 18	14 50	14 12	13 53	10 14	4 47	1 49
S 25	21 56	15 40	0 34	15 21	4 3	22 25	0 9	5 24	0 19	2 3	1 27	5 12	2 29	23 48	0 20	18 2	1 38	22 18	14 51	14 12	13 54	10 13	4 46	1 49
M26	22 5	12 14	0s41	15 15	4 7	22 38	0 12	5 28	0 21	2 2	1 27	5 12	2 29	23 48	0 20	18 2	1 38	22 18	14 51	14 12	13 56	10 11	4 45	1 48
T 27	22 13	8 5	1 53	15 12	4 10	22 49	0 14	5 33	0 23	2 1	1 27	5 11	2 29	23 48	0 20	18 3	1 38	22 18	14 52	14 12	13 57	10 9	4 45	1 48
W28	22 21	3 30	2 59	15 10	4 12	23 0	0 16	5 39	0 25	2 1	1 27	5 11	2 28	23 48	0 20	18 3	1 38	22 19	14 52	14 12	13 58	10 8	4 44	1 47
T 29	22 28	1n15	3 53	15 11	4 12	23 10	0 19	5 44	0 27	2 0	1 26	5 10	2 28	23 48	0 20	18 4	1 38	22 19	14 52	14 13	13 59	10 6	4 44	1 47
F 30	22 35	5 54	4 33	15 14	4 11	23 20	0 21	5 50	0 29	1 59	1 26	5 10	2 28	23 48	0 20	18 4	1 38	22 19	14 53	14 15	14 0	10 4	4 43	1 46
S 31	22n42	10n13	4s57	15n19	4s10	23n28	0n23	5s56	0s31	1n58	1n26	5n 9	2n28	23s48	0s20	18n 5	1s38	22s20	14s53	14n18	14n 1	10n 3	4s43	1s46

Julian Day Number = 2111265.5, Delta T = 19m31s
Ecliptic obliquity = 23°33'29, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°45'11, Lahiri = 10°52'11 Julian Calendar 1 May 1068 == Greg. Calendar 7 May 1068

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1068
geocentric

JUNE 1068 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 1 51	15♊50'29	23♉49	26♉23	20♊ 3	13♎57	28♍24	22♍46	4°R48	27♉23	8♓ 2	21°R42	22♌39	7♍32	7♎46	S 1
M 2	17 5 47	16°47'42	7♊20	26°47	21°17	14° 9	28°27	22°48	4♏45	27°25	8°R 2	21♌31	22°36	7°38	7°46	M 2
T 3	17 9 44	17°44'54	20°37	27°16	22°31	14°22	28°29	22°49	4°43	27°27	8° 2	21°21	22°33	7°45	7°47	T 3
W 4	17 13 41	18°42'07	3♋36	27°49	23°45	14°35	28°32	22°50	4°41	27°29	8° 2	21°11	22°30	7°52	7°47	W 4
T 5	17 17 37	19°39'18	16°17	28°27	24°58	14°49	28°35	22°52	4°38	27°32	8° 2	21° 4	22°27	7°58	7°48	T 5
F 6	17 21 34	20°36'30	28°41	29° 9	26°12	15° 3	28°38	22°54	4°36	27°34	8° 2	21° 0	22°24	8° 5	7°48	F 6
S 7	17 25 30	21°33'41	10♌50	29°56	27°26	15°18	28°41	22°56	4°34	27°36	8° 2	20°57	22°20	8°12	7°49	S 7
S 8	17 29 27	22°30'52	22°48	0♊47	28°39	15°34	28°44	22°57	4°31	27°38	8° 2	20°D57	22°17	8°18	7°50	S 8
M 9	17 33 23	23°28'02	4♍39	1°42	29°53	15°50	28°48	22°59	4°29	27°40	8° 2	20°57	22°14	8°25	7°51	M 9
T 10	17 37 20	24°25'12	16°28	2°41	1♋ 7	16° 7	28°51	23° 1	4°27	27°42	8° 2	20°58	22°11	8°32	7°52	T 10
W11	17 41 16	25°22'21	28°19	3°44	2°21	16°24	28°55	23° 4	4°24	27°44	8° 1	20°R58	22° 8	8°38	7°54	W11
T 12	17 45 13	26°19'30	10♎19	4°52	3°34	16°42	28°59	23° 6	4°22	27°46	8° 1	20°57	22° 5	8°45	7°55	T 12
F 13	17 49 10	27°16'39	22°32	6° 3	4°48	17° 0	29° 3	23° 8	4°20	27°48	8° 1	20°54	22° 1	8°52	7°56	F 13
S 14	17 53 6	28°13'48	5♏ 3	7°19	6° 2	17°19	29° 8	23°11	4°17	27°50	8° 1	20°49	21°58	8°58	7°58	S 14
S 15	17 57 3	29°10'56	17°54	8°38	7°15	17°39	29°12	23°13	4°15	27°52	8° 0	20°42	21°55	9° 5	8° 0	S 15
M16	18 0 59	0♋ 8'04	1♐ 7	10° 2	8°29	17°59	29°17	23°16	4°12	27°54	8° 0	20°34	21°52	9°11	8° 1	M16
T 17	18 4 56	1° 5'13	14°43	11°29	9°43	18°19	29°21	23°18	4°10	27°56	8° 0	20°26	21°49	9°18	8° 3	T 17
W18	18 8 52	2° 2'21	28°39	13° 0	10°57	18°40	29°26	23°21	4° 8	27°58	7°59	20°19	21°45	9°25	8° 5	W18
T 19	18 12 49	2°59'30	12♑51	14°34	12°10	19° 1	29°31	23°24	4° 5	28° 0	7°59	20°13	21°42	9°31	8° 7	T 19
F 20	18 16 45	3°56'39	27°14	16°13	13°24	19°23	29°37	23°27	4° 3	28° 2	7°58	20° 9	21°39	9°38	8°10	F 20
S 21	18 20 42	4°53'48	11♒42	17°54	14°38	19°45	29°42	23°30	4° 0	28° 4	7°58	20° 7	21°36	9°45	8°12	S 21
S 22	18 24 39	5°50'58	26°11	19°39	15°51	20° 8	29°48	23°33	3°58	28° 5	7°58	20°D 7	21°33	9°51	8°14	S 22
M23	18 28 35	6°48'08	10♓36	21°28	17° 5	20°31	29°53	23°37	3°56	28° 7	7°57	20° 8	21°30	9°58	8°17	M23
T 24	18 32 32	7°45'19	24°53	23°19	18°19	20°54	29°59	23°40	3°53	28° 9	7°57	20° 9	21°26	10° 5	8°20	T 24
W25	18 36 28	8°42'31	9♈ 1	25°13	19°33	21°18	0♎ 5	23°43	3°51	28°11	7°56	20°R 9	21°23	10°11	8°22	W25
T 26	18 40 25	9°39'43	22°58	27°10	20°46	21°43	0°11	23°47	3°48	28°13	7°56	20° 9	21°20	10°18	8°25	T 26
F 27	18 44 21	10°36'56	6♉44	29° 9	22° 0	22° 7	0°17	23°50	3°46	28°15	7°55	20° 6	21°17	10°25	8°28	F 27
S 28	18 48 18	11°34'10	20°18	1♋10	23°14	22°33	0°24	23°54	3°43	28°16	7°55	20° 2	21°14	10°31	8°31	S 28
S 29	18 52 14	12°31'24	3♊38	3°13	24°28	22°58	0°30	23°58	3°41	28°18	7°54	19°57	21°11	10°38	8°34	S 29
M30	18 56 11	13♋28'39	16♊46	5♋18	25♋41	23♎24	0♎37	24♍ 2	3♏39	28♉20	7♓53	19♌51	21♌ 7	10♍45	8♎38	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n48	13n55	5s 3	15n26	4s 7	23n37	0n26	6s 2	0s32	1n57	1n26	5n 8	2n27	23s48	0s20	18n 5	1s38	22s20	14s53	14n21	14n 2	10n 1	4s42	1s45
M 2	22 54	16 51	4 52	15 36	4 3	23 44	0 28	6 8	0 34	1 55	1 25	5 8	2 27	23 49	0 20	18 6	1 38	22 20	14 54	14 24	14 3	9 59	4 42	1 45
T 3	22 59	18 49	4 25	15 47	3 58	23 51	0 30	6 15	0 36	1 54	1 25	5 7	2 27	23 49	0 20	18 6	1 38	22 21	14 54	14 27	14 4	9 57	4 42	1 44
W 4	23 4	19 46	3 45	16 0	3 53	23 57	0 32	6 21	0 38	1 53	1 25	5 6	2 27	23 49	0 20	18 7	1 38	22 21	14 55	14 30	14 5	9 56	4 41	1 44
T 5	23 9	19 41	2 54	16 14	3 46	24 2	0 35	6 28	0 40	1 52	1 24	5 5	2 27	23 49	0 20	18 7	1 38	22 21	14 55	14 33	14 6	9 54	4 41	1 43
F 6	23 13	18 38	1 56	16 30	3 39	24 7	0 37	6 35	0 41	1 50	1 24	5 4	2 26	23 49	0 20	18 8	1 38	22 22	14 55	14 34	14 7	9 52	4 41	1 43
S 7	23 17	16 44	0 54	16 48	3 31	24 11	0 39	6 43	0 43	1 49	1 24	5 3	2 26	23 49	0 20	18 8	1 38	22 22	14 56	14 35	14 8	9 51	4 41	1 42
S 8	23 21	14 8	0n10	17 7	3 22	24 14	0 41	6 50	0 45	1 47	1 24	5 2	2 26	23 49	0 20	18 9	1 38	22 23	14 56	14 35	14 9	9 49	4 41	1 42
M 9	23 24	10 59	1 13	17 27	3 13	24 17	0 43	6 58	0 46	1 45	1 23	5 1	2 26	23 49	0 20	18 9	1 38	22 23	14 56	14 35	14 10	9 47	4 41	1 41
T 10	23 26	7 24	2 13	17 49	3 3	24 19	0 45	7 6	0 48	1 44	1 23	5 0	2 25	23 49	0 20	18 9	1 38	22 23	14 57	14 35	14 11	9 45	4 41	1 41
W11	23 29	3 32	3 7	18 11	2 53	24 20	0 47	7 14	0 49	1 42	1 23	4 59	2 25	23 49	0 20	18 10	1 38	22 24	14 57	14 35	14 12	9 44	4 41	1 40
T 12	23 30	0s31	3 54	18 34	2 42	24 20	0 49	7 23	0 51	1 40	1 23	4 58	2 25	23 49	0 20	18 10	1 38	22 24	14 57	14 35	14 13	9 42	4 41	1 40
F 13	23 32	4 37	4 31	18 57	2 31	24 20	0 51	7 31	0 52	1 38	1 22	4 57	2 25	23 50	0 20	18 11	1 38	22 25	14 58	14 36	14 14	9 40	4 41	1 39
S 14	23 33	8 37	4 56	19 21	2 19	24 19	0 53	7 40	0 54	1 36	1 22	4 56	2 25	23 50	0 20	18 11	1 38	22 25	14 58	14 38	14 15	9 39	4 41	1 39
S 15	23 33	12 20	5 7	19 46	2 7	24 17	0 55	7 48	0 55	1 34	1 22	4 55	2 24	23 50	0 20	18 12	1 38	22 25	14 58	14 40	14 16	9 37	4 41	1 38
M16	23 33	15 33	5 2	20 10	1 55	24 14	0 57	7 57	0 57	1 32	1 22	4 53	2 24	23 50	0 20	18 12	1 38	22 26	14 59	14 42	14 17	9 35	4 42	1 38
T 17	23 33	18 2	4 40	20 35	1 42	24 11	0 59	8 6	0 58	1 30	1 21	4 52	2 24	23 50	0 20	18 12	1 38	22 26	14 59	14 45	14 18	9 33	4 42	1 37
W18	23 33	19 31	4 2	20 59	1 30	24 7	1 1	8 16	0 59	1 28	1 21	4 51	2 24	23 50	0 20	18 13	1 38	22 27	15 0	14 47	14 19	9 32	4 42	1 37
T 19	23 31	19 49	3 7	21 23	1 17	24 2	1 3	8 25	1 1	1 25	1 21	4 50	2 23	23 50	0 20	18 13	1 38	22 27	15 0	14 49	14 20	9 30	4 43	1 36
F 20	23 30	18 51	2 1	21 46	1 4	23 57	1 4	8 35	1 2	1 23	1 21	4 48	2 23	23 50	0 20	18 14	1 38	22 28	15 0	14 50	14 21	9 28	4 43	1 36
S 21	23 28	16 38	0 45	22 9	0 52	23 51	1 6	8 44	1 3	1 21	1 20	4 47	2 23	23 50	0 20	18 14	1 38	22 28	15 1	14 51	14 22	9 26	4 44	1 35
S 22	23 26	13 22	0s33	22 30	0 39	23 44	1 8	8 54	1 5	1 18	1 20	4 45	2 23	23 50	0 20	18 14	1 38	22 29	15 1	14 51	14 24	9 25	4 44	1 35
M23	23 23	9 19	1 49	22 50	0 27	23 36	1 9	9 4	1 6	1 16	1 20	4 44	2 23	23 50	0 20	18 15	1 38	22 29	15 1	14 51	14 25	9 23	4 45	1 34
T 24	23 20	4 45	2 57	23 9	0 14	23 28	1 11	9 14	1 7	1 13	1 20	4 42	2 22	23 50	0 20	18 15	1 38	22 30	15 2	14 50	14 26	9 21	4 45	1 34
W25	23 16	0n 0	3 54	23 26	0 2	23 19	1 12	9 24	1 8	1 11	1 19	4 41	2 22	23 51	0 20	18 16	1 38	22 30	15 2	14 50	14 27	9 19	4 46	1 33
T 26	23 12	4 41	4 37	23 41	0n 9	23 9	1 14	9 34	1 9	1 8	1 19	4 39	2 22	23 51	0 20	18 16	1 38	22 31	15 2	14 50	14 28	9 18	4 47	1 33
F 27	23 8	9 4	5 2	23 54	0 20	22 59	1 15	9 45	1 11	1 5	1 19	4 38	2 22	23 51	0 20	18 16	1 38	22 31	15 3	14 51	14 29	9 16	4 47	1 32
S 28	23 3	12 55	5 11	24 4	0 31	22 48	1 16	9 55	1 12	1 3	1 19	4 36	2 22	23 51	0 21	18 17	1 38	22 32	15 3	14 53	14 30	9 14	4 48	1 32
S 29	22 58	16 3	5 2	24 12	0 41	22 36	1 17	10 6	1 13	1 0	1 18	4 34	2 21	23 51	0 21	18 17	1 38	22 32	15 3	14 54	14 31	9 12	4 49	1 31
M30	22n52	18n18	4s37	24n18	0n51	22n24	1n19	10s17	1s14	0n57	1n18	4n33	2n21	23s51	0s21	18n17	1s38	22s33	15s 4	14n56	14n32	9n11	4s50	1s31

Julian Day Number = 2111296.5, Delta T = 19m31s
Ecliptic obliquity = 23°33'28, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°45'15, Lahiri = 10°52'16 Julian Calendar 1 June 1068 == Greg. Calendar 7 June 1068

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1068
geocentric

JULY 1068 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 0 8	14♋25'55	29♊40	7♋23	26♋55	23♎50	0♎44	24♍ 6	3°R36	28♉21	7°R53	19°R45	21♌ 4	10♍51	8♎41	T 1
W 2	19 4 4	15°23'12	12♋20	9°30	28° 9	24°17	0°51	24°10	3♏34	28°23	7♓52	19♌40	21° 1	10°58	8°44	W 2
T 3	19 8 1	16°20'29	24°46	11°37	29°23	24°44	0°58	24°14	3°32	28°25	7°51	19°36	20°58	11° 5	8°48	T 3
F 4	19 11 57	17°17'47	6♌59	13°44	0♌36	25°11	1° 5	24°18	3°29	28°26	7°51	19°34	20°55	11°11	8°52	F 4
S 5	19 15 54	18°15'06	19° 2	15°52	1°50	25°39	1°12	24°22	3°27	28°28	7°50	19°D33	20°51	11°18	8°55	S 5
S 6	19 19 50	19°12'25	0♍56	17°59	3° 4	26° 7	1°20	24°26	3°25	28°30	7°49	19°33	20°48	11°25	8°59	S 6
M 7	19 23 47	20° 9'44	12°45	20° 5	4°18	26°36	1°27	24°31	3°22	28°31	7°49	19°35	20°45	11°31	9° 3	M 7
T 8	19 27 43	21° 7'04	24°33	22°11	5°31	27° 4	1°35	24°35	3°20	28°33	7°48	19°37	20°42	11°38	9° 7	T 8
W 9	19 31 40	22° 4'25	6♎24	24°16	6°45	27°33	1°43	24°40	3°18	28°34	7°47	19°38	20°39	11°45	9°11	W 9
T 10	19 35 37	23° 1'46	18°23	26°19	7°59	28° 3	1°51	24°44	3°16	28°36	7°46	19°R39	20°36	11°51	9°16	T 10
F 11	19 39 33	23°59'08	0♏35	28°22	9°13	28°33	1°59	24°49	3°13	28°37	7°45	19°39	20°32	11°58	9°20	F 11
S 12	19 43 30	24°56'31	13° 5	0♌23	10°26	29° 3	2° 7	24°54	3°11	28°38	7°45	19°38	20°29	12° 4	9°24	S 12
S 13	19 47 26	25°53'54	25°56	2°23	11°40	29°33	2°15	24°59	3° 9	28°40	7°44	19°35	20°26	12°11	9°29	S 13
M14	19 51 23	26°51'18	9♐12	4°21	12°54	0♏ 4	2°24	25° 4	3° 7	28°41	7°43	19°33	20°23	12°18	9°33	M14
T 15	19 55 19	27°48'43	22°53	6°18	14° 7	0°34	2°32	25° 8	3° 5	28°43	7°42	19°30	20°20	12°24	9°38	T 15
W16	19 59 16	28°46'09	6♑59	8°14	15°21	1° 6	2°41	25°14	3° 3	28°44	7°41	19°27	20°17	12°31	9°43	W16
T 17	20 3 13	29°43'36	21°26	10° 8	16°35	1°37	2°50	25°19	3° 1	28°45	7°40	19°25	20°13	12°38	9°48	T 17
F 18	20 7 9	0♒41'04	6♒ 9	12° 0	17°49	2° 9	2°59	25°24	2°59	28°47	7°39	19°23	20°10	12°44	9°53	F 18
S 19	20 11 6	1°38'32	21° 0	13°51	19° 2	2°41	3° 8	25°29	2°57	28°48	7°38	19°D23	20° 7	12°51	9°58	S 19
S 20	20 15 2	2°36'02	5♓53	15°40	20°16	3°13	3°17	25°34	2°55	28°49	7°37	19°23	20° 4	12°58	10° 3	S 20
M21	20 18 59	3°33'34	20°40	17°28	21°30	3°46	3°26	25°40	2°53	28°50	7°36	19°24	20° 1	13° 4	10° 8	M21
T 22	20 22 55	4°31'07	5♈15	19°14	22°43	4°18	3°35	25°45	2°51	28°51	7°35	19°25	19°57	13°11	10°13	T 22
W23	20 26 52	5°28'41	19°34	20°59	23°57	4°51	3°45	25°51	2°49	28°52	7°34	19°26	19°54	13°18	10°19	W23
T 24	20 30 48	6°26'17	3♉34	22°42	25°11	5°25	3°54	25°56	2°47	28°54	7°33	19°R27	19°51	13°24	10°24	T 24
F 25	20 34 45	7°23'54	17°15	24°24	26°25	5°58	4° 4	26° 2	2°45	28°55	7°32	19°27	19°48	13°31	10°30	F 25
S 26	20 38 41	8°21'33	0♊37	26° 5	27°38	6°32	4°13	26° 7	2°43	28°56	7°31	19°26	19°45	13°38	10°35	S 26
S 27	20 42 38	9°19'14	13°42	27°43	28°52	7° 6	4°23	26°13	2°41	28°57	7°30	19°25	19°42	13°44	10°41	S 27
M28	20 46 35	10°16'56	26°30	29°21	0♍ 6	7°40	4°33	26°19	2°40	28°58	7°29	19°24	19°38	13°51	10°47	M28
T 29	20 50 31	11°14'40	9♋ 4	0♍57	1°19	8°14	4°43	26°25	2°38	28°59	7°28	19°22	19°35	13°58	10°53	T 29
W30	20 54 28	12°12'26	21°26	2°31	2°33	8°49	4°53	26°31	2°36	29° 0	7°27	19°22	19°32	14° 4	10°58	W30
T 31	20 58 24	13♌10'13	3♌37	4♍ 4	3♍47	9♏24	5♎ 3	26♍36	2♏35	29♉ 0	7♓26	19♌21	19♌29	14♍11	11♎ 4	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n46	19n34	3s59	24n20	0n59	22n11	1n20	10s27	1s15	0n54	1n18	4n31	2n21	23s51	0s21	18n18	1s38	22s33	15s 4	14n58	14n33	9n 9	4s51	1s31
W 2	22 40	19 50	3 9	24 20	1 7	21 57	1 21	10 38	1 16	0 51	1 18	4 29	2 21	23 51	0 21	18 18	1 38	22 34	15 4	15 0	14 34	9 7	4 52	1 30
T 3	22 33	19 7	2 11	24 17	1 15	21 43	1 22	10 49	1 17	0 48	1 17	4 27	2 21	23 51	0 21	18 18	1 38	22 34	15 4	15 1	14 35	9 5	4 53	1 30
F 4	22 26	17 31	1 8	24 12	1 22	21 28	1 23	11 0	1 18	0 45	1 17	4 25	2 20	23 51	0 21	18 19	1 38	22 35	15 5	15 2	14 36	9 3	4 54	1 29
S 5	22 18	15 9	0 3	24 3	1 27	21 13	1 24	11 11	1 19	0 42	1 17	4 24	2 20	23 51	0 21	18 19	1 38	22 35	15 5	15 2	14 37	9 2	4 55	1 29
S 6	22 10	12 10	1n 2	23 52	1 33	20 57	1 25	11 22	1 20	0 39	1 17	4 22	2 20	23 51	0 21	18 19	1 38	22 36	15 5	15 2	14 38	9 0	4 56	1 28
M 7	22 2	8 43	2 4	23 39	1 37	20 40	1 25	11 34	1 21	0 35	1 17	4 20	2 20	23 51	0 21	18 20	1 39	22 37	15 6	15 1	14 39	8 58	4 57	1 28
T 8	21 53	4 56	3 1	23 22	1 41	20 22	1 26	11 45	1 22	0 32	1 16	4 18	2 20	23 51	0 21	18 20	1 39	22 37	15 6	15 1	14 40	8 56	4 58	1 27
W 9	21 44	0 58	3 50	23 4	1 43	20 5	1 27	11 56	1 23	0 29	1 16	4 16	2 20	23 52	0 21	18 20	1 39	22 38	15 6	15 0	14 41	8 54	4 59	1 27
T 10	21 35	3s 5	4 29	22 43	1 45	19 46	1 27	12 8	1 24	0 25	1 16	4 14	2 19	23 52	0 21	18 21	1 39	22 38	15 6	15 0	14 42	8 53	5 1	1 26
F 11	21 25	7 5	4 58	22 20	1 47	19 27	1 28	12 19	1 24	0 22	1 16	4 12	2 19	23 52	0 21	18 21	1 39	22 39	15 7	15 0	14 43	8 51	5 2	1 26
S 12	21 15	10 52	5 13	21 55	1 48	19 8	1 28	12 31	1 25	0 18	1 16	4 10	2 19	23 52	0 21	18 21	1 39	22 39	15 7	15 0	14 44	8 49	5 3	1 26
S 13	21 4	14 16	5 13	21 28	1 48	18 48	1 29	12 43	1 26	0 15	1 15	4 8	2 19	23 52	0 21	18 21	1 39	22 40	15 7	15 1	14 45	8 47	5 5	1 25
M14	20 53	17 3	4 57	21 0	1 47	18 27	1 29	12 54	1 27	0 11	1 15	4 6	2 19	23 52	0 21	18 22	1 39	22 41	15 8	15 2	14 46	8 45	5 6	1 25
T 15	20 42	18 59	4 23	20 30	1 46	18 6	1 29	13 6	1 28	0 8	1 15	4 3	2 19	23 52	0 21	18 22	1 39	22 41	15 8	15 3	14 47	8 44	5 8	1 24
W16	20 31	19 49	3 33	19 58	1 44	17 44	1 30	13 18	1 28	0 4	1 15	4 1	2 18	23 52	0 21	18 22	1 39	22 42	15 8	15 4	14 48	8 42	5 9	1 24
T 17	20 19	19 24	2 28	19 25	1 42	17 22	1 30	13 29	1 29	0 0	1 15	3 59	2 18	23 52	0 21	18 22	1 39	22 42	15 8	15 4	14 49	8 40	5 11	1 23
F 18	20 6	17 39	1 13	18 51	1 39	17 0	1 30	13 41	1 30	0s 3	1 14	3 57	2 18	23 52	0 21	18 23	1 39	22 43	15 9	15 5	14 50	8 38	5 12	1 23
S 19	19 54	14 42	0s 9	18 16	1 35	16 37	1 30	13 53	1 31	0 7	1 14	3 55	2 18	23 52	0 21	18 23	1 39	22 43	15 9	15 5	14 51	8 36	5 14	1 23
S 20	19 41	10 48	1 30	17 40	1 31	16 13	1 30	14 5	1 31	0 11	1 14	3 52	2 18	23 52	0 21	18 23	1 39	22 44	15 9	15 5	14 52	8 35	5 15	1 22
M21	19 27	6 14	2 45	17 3	1 27	15 49	1 30	14 16	1 32	0 15	1 14	3 50	2 18	23 52	0 21	18 23	1 39	22 45	15 9	15 4	14 53	8 33	5 17	1 22
T 22	19 14	1 23	3 48	16 26	1 22	15 25	1 29	14 28	1 33	0 18	1 14	3 48	2 17	23 52	0 21	18 23	1 39	22 45	15 9	15 4	14 54	8 31	5 19	1 21
W23	19 0	3n27	4 35	15 48	1 17	15 0	1 29	14 40	1 33	0 22	1 13	3 45	2 17	23 52	0 21	18 24	1 39	22 46	15 10	15 4	14 55	8 29	5 21	1 21
T 24	18 45	7 59	5 5	15 9	1 12	14 35	1 29	14 52	1 34	0 26	1 13	3 43	2 17	23 52	0 21	18 24	1 39	22 46	15 10	15 4	14 56	8 27	5 22	1 21
F 25	18 31	12 0	5 17	14 29	1 6	14 9	1 28	15 4	1 35	0 30	1 13	3 41	2 17	23 52	0 21	18 24	1 39	22 47	15 10	15 4	14 57	8 25	5 24	1 20
S 26	18 16	15 19	5 11	13 50	1 0	13 44	1 28	15 16	1 35	0 34	1 13	3 38	2 17	23 52	0 21	18 24	1 39	22 48	15 10	15 4	14 58	8 24	5 26	1 20
S 27	18 1	17 46	4 49	13 10	0 53	13 17	1 27	15 27	1 36	0 38	1 13	3 36	2 17	23 52	0 21	18 24	1 39	22 48	15 11	15 4	14 59	8 22	5 28	1 19
M28	17 45	19 18	4 13	12 29	0 47	12 51	1 27	15 39	1 36	0 42	1 12	3 34	2 17	23 52	0 21	18 25	1 39	22 49	15 11	15 5	15 0	8 20	5 30	1 19
T 29	17 29	19 50	3 25	11 49	0 40	12 24	1 26	15 51	1 37	0 47	1 12	3 31	2 16	23 52	0 21	18 25	1 39	22 49	15 11	15 5	15 1	8 18	5 32	1 18
W30	17 13	19 23	2 29	11 8	0 32	11 56	1 25	16 3	1 38	0 51	1 12	3 29	2 16	23 52	0 21	18 25	1 40	22 50	15 11	15 5	15 2	8 16	5 34	1 18
T 31	16n57	18n 3	1s26	10n27	0n25	11n29	1n24	16s15	1s38	0s55	1n12	3n26	2n16	23s52	0s21	18n25	1s40	22s51	15s11	15n 5	15n 3	8n14	5s36	1s18

Julian Day Number = 2111326.5, Delta T = 19m31s
Ecliptic obliquity = 23°33'28, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°45'19, Lahiri = 10°52'20 Julian Calendar 1 July 1068 == Greg. Calendar 7 July 1068

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1068
geocentric

AUGUST 1068 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 2 21	14♌ 8'01	15♌39	5♍36	5♍ 0	9♏59	5♎13	26♍42	2°R33	29♉ 1	7°R25	19°D21	19♌26	14♍18	11♎11	F 1
S 2	21 6 17	15° 5'51	27°34	7° 6	6°14	10°34	5°24	26°48	2♊31	29° 2	7♓24	19♌21	19°23	14°24	11°17	S 2
S 3	21 10 14	16° 3'42	9♍24	8°34	7°28	11°10	5°34	26°55	2°30	29° 3	7°23	19°21	19°19	14°31	11°23	S 3
M 4	21 14 10	17° 1'35	21°12	10° 1	8°41	11°46	5°44	27° 1	2°28	29° 4	7°21	19°21	19°16	14°38	11°29	M 4
T 5	21 18 7	17°59'29	3♎ 0	11°27	9°55	12°22	5°55	27° 7	2°27	29° 4	7°20	19°22	19°13	14°44	11°35	T 5
W 6	21 22 4	18°57'25	14°52	12°51	11° 8	12°58	6° 6	27°13	2°25	29° 5	7°19	19°R22	19°10	14°51	11°42	W 6
T 7	21 26 0	19°55'22	26°51	14°14	12°22	13°34	6°16	27°19	2°24	29° 6	7°18	19°22	19° 7	14°58	11°48	T 7
F 8	21 29 57	20°53'20	9♏ 2	15°35	13°36	14°11	6°27	27°26	2°23	29° 6	7°17	19°22	19° 3	15° 4	11°55	F 8
S 9	21 33 53	21°51'20	21°29	16°54	14°49	14°48	6°38	27°32	2°21	29° 7	7°16	19°D22	19° 0	15°11	12° 2	S 9
S 10	21 37 50	22°49'21	4♐16	18°12	16° 3	15°24	6°49	27°39	2°20	29° 8	7°14	19°22	18°57	15°18	12° 8	S 10
M11	21 41 46	23°47'23	17°26	19°28	17°16	16° 2	7° 0	27°45	2°19	29° 8	7°13	19°22	18°54	15°24	12°15	M11
T 12	21 45 43	24°45'28	1♑ 3	20°42	18°30	16°39	7°11	27°52	2°18	29° 9	7°12	19°22	18°51	15°31	12°22	T 12
W13	21 49 39	25°43'33	15° 6	21°55	19°43	17°16	7°22	27°58	2°17	29° 9	7°11	19°23	18°48	15°38	12°29	W13
T 14	21 53 36	26°41'40	29°35	23° 5	20°57	17°54	7°34	28° 5	2°15	29°10	7°10	19°23	18°44	15°44	12°36	T 14
F 15	21 57 33	27°39'49	14♒25	24°14	22°11	18°32	7°45	28°11	2°14	29°10	7° 8	19°R24	18°41	15°51	12°43	F 15
S 16	22 1 29	28°37'59	29°30	25°20	23°24	19°10	7°56	28°18	2°13	29°10	7° 7	19°24	18°38	15°58	12°50	S 16
S 17	22 5 26	29°36'11	14♓40	26°24	24°37	19°48	8° 8	28°25	2°13	29°11	7° 6	19°23	18°35	16° 4	12°57	S 17
M18	22 9 22	0♍34'25	29°47	27°26	25°51	20°26	8°19	28°31	2°12	29°11	7° 5	19°22	18°32	16°11	13° 4	M18
T 19	22 13 19	1°32'41	14♈42	28°25	27° 4	21° 5	8°31	28°38	2°11	29°11	7° 4	19°21	18°29	16°18	13°11	T 19
W20	22 17 15	2°30'59	29°17	29°22	28°18	21°44	8°42	28°45	2°10	29°12	7° 2	19°19	18°25	16°24	13°18	W20
T 21	22 21 12	3°29'19	13♉29	0♎16	29°31	22°22	8°54	28°52	2° 9	29°12	7° 1	19°18	18°22	16°31	13°26	T 21
F 22	22 25 8	4°27'41	27°14	1° 7	0♎45	23° 1	9° 6	28°59	2° 8	29°12	7° 0	19°17	18°19	16°37	13°33	F 22
S 23	22 29 5	5°26'06	10♊35	1°54	1°58	23°41	9°18	29° 5	2° 8	29°12	6°59	19°D17	18°16	16°44	13°40	S 23
S 24	22 33 2	6°24'33	23°32	2°39	3°11	24°20	9°30	29°12	2° 7	29°12	6°57	19°18	18°13	16°51	13°48	S 24
M25	22 36 58	7°23'02	6♋10	3°19	4°25	24°59	9°42	29°19	2° 7	29°12	6°56	19°19	18° 9	16°57	13°55	M25
T 26	22 40 55	8°21'33	18°31	3°55	5°38	25°39	9°54	29°26	2° 6	29°12	6°55	19°20	18° 6	17° 4	14° 3	T 26
W27	22 44 51	9°20'06	0♌40	4°28	6°52	26°19	10° 6	29°33	2° 6	29°R12	6°54	19°22	18° 3	17°11	14°11	W27
T 28	22 48 48	10°18'42	12°39	4°55	8° 5	26°59	10°18	29°40	2° 5	29°12	6°52	19°23	18° 0	17°17	14°18	T 28
F 29	22 52 44	11°17'19	24°32	5°18	9°18	27°39	10°30	29°47	2° 5	29°12	6°51	19°R23	17°57	17°24	14°26	F 29
S 30	22 56 41	12°15'59	6♍22	5°35	10°32	28°19	10°42	29°55	2° 4	29°12	6°50	19°22	17°54	17°31	14°34	S 30
S 31	23 0 37	13♍14'40	18♍10	5♎47	11♎45	28♏59	10♎54	0♎ 2	2♑ 4	29♉12	6♓49	19♌20	17♌50	17♍37	14♎41	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	16n40	15n54	0s21	9n46	0n17	11n 1	1n23	16s26	1s39	0s59	1n12	3n24	2n16	23s53	0s21	18n25	1s40	22s51	15s11	15n 6	15n 4	8n13	5s38	1s17	F 1
S 2	16 23	13 5	0n46	9 5	0 9	10 33	1 22	16 38	1 39	1 3	1 12	3 21	2 16	23 53	0 21	18 25	1 40	22 52	15 12	15 6	15 5	8 11	5 40	1 17	S 2
S 3	16 6	9 46	1 49	8 25	0 1	10 4	1 21	16 50	1 40	1 8	1 11	3 19	2 16	23 53	0 21	18 25	1 40	22 52	15 12	15 5	15 6	8 9	5 42	1 17	S 3
M 4	15 49	6 5	2 48	7 44	0s 7	9 36	1 20	17 1	1 40	1 12	1 11	3 16	2 16	23 53	0 21	18 26	1 40	22 53	15 12	15 5	15 7	8 7	5 44	1 16	M 4
T 5	15 31	2 9	3 40	7 4	0 16	9 7	1 19	17 13	1 41	1 16	1 11	3 13	2 16	23 53	0 21	18 26	1 40	22 53	15 12	15 5	15 8	8 5	5 46	1 16	T 5
W 6	15 13	1s51	4 22	6 24	0 24	8 37	1 18	17 25	1 41	1 21	1 11	3 11	2 15	23 53	0 21	18 26	1 40	22 54	15 12	15 5	15 9	8 3	5 48	1 15	W 6
T 7	14 55	5 50	4 54	5 44	0 33	8 8	1 17	17 36	1 41	1 25	1 11	3 8	2 15	23 53	0 21	18 26	1 40	22 55	15 12	15 5	15 10	8 1	5 50	1 15	T 7
F 8	14 36	9 38	5 13	5 4	0 42	7 38	1 15	17 48	1 42	1 30	1 11	3 6	2 15	23 53	0 20	18 26	1 40	22 55	15 12	15 5	15 11	8 0	5 53	1 15	F 8
S 9	14 18	13 7	5 18	4 25	0 51	7 8	1 14	17 59	1 42	1 34	1 11	3 3	2 15	23 53	0 20	18 26	1 40	22 56	15 13	15 5	15 12	7 58	5 55	1 14	S 9
S 10	13 59	16 4	5 7	3 46	1 0	6 38	1 12	18 10	1 43	1 39	1 10	3 0	2 15	23 53	0 20	18 26	1 40	22 56	15 13	15 5	15 13	7 56	5 57	1 14	S 10
M11	13 39	18 18	4 41	3 8	1 9	6 8	1 11	18 22	1 43	1 43	1 10	2 58	2 15	23 53	0 20	18 26	1 40	22 57	15 13	15 5	15 14	7 54	5 59	1 13	M11
T 12	13 20	19 36	3 58	2 31	1 18	5 38	1 9	18 33	1 43	1 48	1 10	2 55	2 15	23 53	0 20	18 26	1 40	22 57	15 13	15 5	15 15	7 52	6 2	1 13	T 12
W13	13 0	19 44	2 59	1 54	1 27	5 7	1 7	18 44	1 44	1 52	1 10	2 52	2 15	23 53	0 20	18 26	1 40	22 58	15 13	15 5	15 16	7 50	6 4	1 13	W13
T 14	12 41	18 35	1 48	1 17	1 36	4 36	1 6	18 55	1 44	1 57	1 10	2 50	2 15	23 53	0 20	18 26	1 40	22 58	15 13	15 5	15 17	7 48	6 7	1 12	T 14
F 15	12 21	16 9	0 28	0 42	1 45	4 6	1 4	19 6	1 44	2 1	1 10	2 47	2 15	23 53	0 20	18 26	1 40	22 59	15 13	15 5	15 18	7 47	6 9	1 12	F 15
S 16	12 0	12 35	0s56	0 7	1 54	3 35	1 2	19 17	1 45	2 6	1 10	2 44	2 15	23 53	0 20	18 26	1 40	23 0	15 13	15 5	15 19	7 45	6 11	1 12	S 16
S 17	11 40	8 9	2 16	0s27	2 3	3 4	1 0	19 28	1 45	2 11	1 9	2 41	2 14	23 53	0 20	18 26	1 40	23 0	15 13	15 5	15 20	7 43	6 14	1 11	S 17
M18	11 19	3 14	3 26	1 0	2 12	2 33	0 58	19 38	1 45	2 15	1 9	2 39	2 14	23 53	0 20	18 26	1 40	23 1	15 13	15 5	15 21	7 41	6 16	1 11	M18
T 19	10 59	1n49	4 21	1 31	2 21	2 1	0 56	19 49	1 46	2 20	1 9	2 36	2 14	23 53	0 20	18 26	1 41	23 1	15 14	15 6	15 22	7 39	6 19	1 11	T 19
W20	10 38	6 38	4 58	2 2	2 30	1 30	0 54	19 59	1 46	2 25	1 9	2 33	2 14	23 53	0 20	18 26	1 41	23 2	15 14	15 6	15 23	7 37	6 21	1 10	W20
T 21	10 17	10 57	5 15	2 31	2 38	0 59	0 52	20 10	1 46	2 29	1 9	2 30	2 14	23 53	0 20	18 26	1 41	23 2	15 14	15 6	15 24	7 35	6 24	1 10	T 21
F 22	9 55	14 33	5 14	2 59	2 47	0 27	0 49	20 20	1 46	2 34	1 9	2 27	2 14	23 53	0 20	18 26	1 41	23 3	15 14	15 7	15 25	7 33	6 26	1 10	F 22
S 23	9 34	17 16	4 55	3 26	2 55	0s 4	0 47	20 30	1 47	2 39	1 9	2 25	2 14	23 53	0 20	18 26	1 41	23 3	15 14	15 7	15 26	7 31	6 29	1 9	S 23
S 24	9 12	19 2	4 22	3 51	3 3	0 35	0 45	20 40	1 47	2 44	1 9	2 22	2 14	23 53	0 20	18 26	1 41	23 4	15 14	15 7	15 27	7 30	6 32	1 9	S 24
M25	8 50	19 48	3 37	4 14	3 10	1 7	0 42	20 50	1 47	2 49	1 8	2 19	2 14	23 53	0 20	18 26	1 41	23 4	15 14	15 6	15 28	7 28	6 34	1 9	M25
T 26	8 29	19 35	2 43	4 35	3 18	1 38	0 40	21 0	1 47	2 53	1 8	2 16	2 14	23 53	0 20	18 26	1 41	23 5	15 14	15 6	15 29	7 26	6 37	1 8	T 26
W27	8 7	18 27	1 42	4 54	3 24	2 10	0 37	21 10	1 47	2 58	1 8	2 13	2 14	23 53	0 20	18 26	1 41	23 5	15 14	15 5	15 30	7 24	6 40	1 8	W27
T 28	7 44	16 30	0 37	5 11	3 31	2 41	0 35	21 19	1 48	3 3	1 8	2 10	2 14	23 53	0 20	18 26	1 41	23 6	15 14	15 5	15 31	7 22	6 42	1 8	T 28
F 29	7 22	13 51	0n28	5 25	3 36	3 13	0 32	21 29	1 48	3 8	1 8	2 8	2 14	23 53	0 20	18 26	1 41	23 6	15 14	15 5	15 32	7 20	6 45	1 7	F 29
S 30	7 0	10 39	1 32	5 37	3 41	3 44	0 30	21 38	1 48	3 13	1 8	2 5	2 14	23 53	0 20	18 26	1 41	23 7	15 14	15 5	15 33	7 18	6 48	1 7	S 30
S 31	6n37	7n 2	2n32	5s45	3s46	4s15	0n27	21s47	1s48	3s18	1n 8	2n 2	2n14	23s53	0s20	18n26	1s41	23s 7	15s14	15n 6	15n34	7n16	6s50	1s 7	S 31

Julian Day Number = 2111357.5, Delta T = 19m30s
Ecliptic obliquity = 23°33'29, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°45'23, Lahiri = 10°52'24 Julian Calendar 1 Aug. 1068 == Greg. Calendar 7 Aug. 1068

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1068
geocentric

SEPTEMBER 1068 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 4 34	14♍13'24	29♍58	5°R52	12♎58	29♏40	11♎ 7	0♎ 9	2°R 4	29°R12	6°R48	19°R16	17♌47	17♍44	14♎49	M 1
T 2	23 8 31	15°12'09	11♎50	5♎51	14°11	0♐20	11°19	0°16	2♉ 4	29♉12	6♓46	19♌12	17°44	17°51	14°57	T 2
W 3	23 12 27	16°10'57	23°46	5°44	15°25	1° 1	11°31	0°23	2° 4	29°11	6°45	19° 7	17°41	17°57	15° 5	W 3
T 4	23 16 24	17° 9'46	5♏50	5°29	16°38	1°42	11°44	0°30	2° 4	29°11	6°44	19° 3	17°38	18° 4	15°13	T 4
F 5	23 20 20	18° 8'37	18° 3	5° 7	17°51	2°23	11°56	0°37	2°D 3	29°11	6°43	18°59	17°34	18°11	15°21	F 5
S 6	23 24 17	19° 7'30	0♐30	4°37	19° 4	3° 4	12° 9	0°45	2° 4	29°11	6°42	18°56	17°31	18°17	15°29	S 6
S 7	23 28 13	20° 6'25	13°14	4° 1	20°18	3°45	12°21	0°52	2° 4	29°10	6°40	18°54	17°28	18°24	15°37	S 7
M 8	23 32 10	21° 5'22	26°17	3°17	21°31	4°26	12°34	0°59	2° 4	29°10	6°39	18°D54	17°25	18°31	15°45	M 8
T 9	23 36 6	22° 4'20	9♑44	2°26	22°44	5° 8	12°46	1° 6	2° 4	29° 9	6°38	18°55	17°22	18°37	15°53	T 9
W10	23 40 3	23° 3'20	23°36	1°29	23°57	5°50	12°59	1°14	2° 4	29° 9	6°37	18°57	17°19	18°44	16° 1	W10
T 11	23 43 59	24° 2'22	7♒54	0°27	25°10	6°31	13°12	1°21	2° 4	29° 8	6°36	18°58	17°15	18°51	16°10	T 11
F 12	23 47 56	25° 1'26	22°36	29♍21	26°23	7°13	13°24	1°28	2° 5	29° 8	6°34	18°R58	17°12	18°57	16°18	F 12
S 13	23 51 53	26° 0'32	7♓38	28°12	27°36	7°55	13°37	1°35	2° 5	29° 7	6°33	18°57	17° 9	19° 4	16°26	S 13
S 14	23 55 49	26°59'39	22°51	27° 3	28°49	8°37	13°50	1°43	2° 6	29° 7	6°32	18°54	17° 6	19°11	16°34	S 14
M15	23 59 46	27°58'49	8♈ 7	25°54	0♏ 2	9°19	14° 3	1°50	2° 6	29° 6	6°31	18°49	17° 3	19°17	16°42	M15
T 16	0 3 42	28°58'01	23°14	24°49	1°15	10° 2	14°16	1°57	2° 7	29° 6	6°30	18°44	17° 0	19°24	16°51	T 16
W17	0 7 39	29°57'15	8♉ 3	23°48	2°28	10°44	14°29	2° 5	2° 7	29° 5	6°29	18°37	16°56	19°31	16°59	W17
T 18	0 11 35	0♎56'31	22°27	22°53	3°41	11°26	14°41	2°12	2° 8	29° 4	6°28	18°32	16°53	19°37	17° 7	T 18
F 19	0 15 32	1°55'50	6♊22	22° 7	4°54	12° 9	14°54	2°19	2° 8	29° 3	6°27	18°27	16°50	19°44	17°16	F 19
S 20	0 19 28	2°55'11	19°48	21°30	6° 7	12°52	15° 7	2°27	2° 9	29° 3	6°25	18°24	16°47	19°51	17°24	S 20
S 21	0 23 25	3°54'35	2♋47	21° 2	7°20	13°35	15°20	2°34	2°10	29° 2	6°24	18°D23	16°44	19°57	17°33	S 21
M22	0 27 22	4°54'01	15°22	20°46	8°32	14°17	15°33	2°41	2°11	29° 1	6°23	18°24	16°40	20° 4	17°41	M22
T 23	0 31 18	5°53'29	27°38	20°D40	9°45	15° 0	15°46	2°49	2°12	29° 0	6°22	18°25	16°37	20°11	17°49	T 23
W24	0 35 15	6°53'00	9♌41	20°46	10°58	15°43	15°59	2°56	2°13	28°59	6°21	18°26	16°34	20°17	17°58	W24
T 25	0 39 11	7°52'33	21°34	21° 2	12°11	16°27	16°12	3° 3	2°14	28°58	6°20	18°R27	16°31	20°24	18° 6	T 25
F 26	0 43 8	8°52'08	3♍23	21°28	13°23	17°10	16°25	3°10	2°15	28°57	6°19	18°25	16°28	20°31	18°15	F 26
S 27	0 47 4	9°51'45	15°10	22° 4	14°36	17°53	16°38	3°18	2°16	28°56	6°18	18°22	16°25	20°37	18°23	S 27
S 28	0 51 1	10°51'24	26°59	22°48	15°49	18°37	16°51	3°25	2°17	28°55	6°17	18°16	16°21	20°44	18°32	S 28
M29	0 54 57	11°51'06	8♎51	23°41	17° 2	19°20	17° 4	3°32	2°18	28°54	6°16	18° 7	16°18	20°51	18°40	M29
T 30	0 58 54	12♎50'50	20♎50	24♍41	18♏14	20♐ 4	17♎18	3♎40	2♉19	28♉53	6♓15	17♌57	16♌15	20♍57	18♎49	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	6n14	3n 9	3n25	5s51	3s49	4s46	0n25	21s56	1s48	3s23	1n 8	1n59	2n14	23s53	0s20	18n26	1s41	23s 8	15s14	15n 7	15n35	7n14	6s53	1s 6
T 2	5 52	0s52	4 9	5 53	3 52	5 17	0 22	22 5	1 48	3 28	1 8	1 56	2 14	23 53	0 20	18 26	1 41	23 8	15 14	15 8	15 36	7 12	6 56	1 6
W 3	5 29	4 53	4 43	5 51	3 53	5 48	0 19	22 14	1 48	3 33	1 8	1 53	2 14	23 53	0 20	18 26	1 41	23 8	15 14	15 10	15 37	7 10	6 59	1 6
T 4	5 6	8 44	5 5	5 45	3 53	6 19	0 16	22 22	1 48	3 38	1 7	1 50	2 13	23 53	0 20	18 26	1 41	23 9	15 14	15 11	15 38	7 8	7 1	1 5
F 5	4 43	12 17	5 13	5 35	3 52	6 50	0 13	22 31	1 48	3 43	1 7	1 47	2 13	23 53	0 20	18 25	1 41	23 9	15 14	15 13	15 39	7 7	7 4	1 5
S 6	4 19	15 21	5 7	5 21	3 49	7 21	0 11	22 39	1 48	3 48	1 7	1 44	2 13	23 53	0 20	18 25	1 41	23 10	15 14	15 13	15 40	7 5	7 7	1 5
S 7	3 56	17 47	4 46	5 2	3 45	7 51	0 8	22 47	1 48	3 53	1 7	1 42	2 13	23 53	0 20	18 25	1 41	23 10	15 14	15 14	15 41	7 3	7 10	1 4
M 8	3 33	19 21	4 9	4 39	3 38	8 21	0 5	22 55	1 49	3 58	1 7	1 39	2 13	23 53	0 20	18 25	1 42	23 11	15 13	15 14	15 41	7 1	7 13	1 4
T 9	3 10	19 54	3 18	4 11	3 30	8 51	0 2	23 2	1 49	4 3	1 7	1 36	2 13	23 53	0 20	18 25	1 42	23 11	15 13	15 14	15 42	6 59	7 16	1 4
W10	2 46	19 17	2 14	3 39	3 20	9 21	0s 1	23 10	1 49	4 8	1 7	1 33	2 13	23 53	0 20	18 25	1 42	23 11	15 13	15 13	15 43	6 57	7 18	1 3
T 11	2 23	17 25	1 0	3 3	3 8	9 51	0 4	23 17	1 49	4 13	1 7	1 30	2 13	23 53	0 20	18 25	1 42	23 12	15 13	15 13	15 44	6 55	7 21	1 3
F 12	1 59	14 22	0s20	2 24	2 54	10 21	0 7	23 24	1 49	4 18	1 7	1 27	2 13	23 53	0 20	18 25	1 42	23 12	15 13	15 13	15 45	6 53	7 24	1 3
S 13	1 36	10 18	1 40	1 43	2 39	10 50	0 10	23 31	1 49	4 23	1 7	1 24	2 13	23 53	0 20	18 24	1 42	23 12	15 13	15 13	15 46	6 51	7 27	1 2
S 14	1 12	5 31	2 54	0 59	2 22	11 19	0 13	23 38	1 48	4 28	1 7	1 21	2 13	23 53	0 20	18 24	1 42	23 13	15 13	15 14	15 47	6 49	7 30	1 2
M15	0 48	0 22	3 56	0 15	2 3	11 48	0 16	23 45	1 48	4 33	1 7	1 18	2 13	23 53	0 20	18 24	1 42	23 13	15 13	15 15	15 48	6 47	7 33	1 2
T 16	0 25	4n44	4 40	0n29	1 43	12 16	0 19	23 51	1 48	4 38	1 6	1 15	2 13	23 53	0 20	18 24	1 42	23 13	15 13	15 17	15 49	6 45	7 36	1 2
W17	0 1	9 27	5 5	1 12	1 23	12 45	0 23	23 57	1 48	4 43	1 6	1 12	2 13	23 53	0 20	18 24	1 42	23 14	15 13	15 19	15 50	6 43	7 39	1 1
T 18	0s23	13 29	5 9	1 53	1 3	13 12	0 26	24 3	1 48	4 48	1 6	1 10	2 13	23 53	0 20	18 23	1 42	23 14	15 12	15 21	15 51	6 41	7 42	1 1
F 19	0 46	16 38	4 55	2 30	0 42	13 40	0 29	24 9	1 48	4 53	1 6	1 7	2 13	23 53	0 20	18 23	1 42	23 14	15 12	15 22	15 52	6 39	7 45	1 1
S 20	1 10	18 46	4 25	3 3	0 22	14 8	0 32	24 14	1 48	4 58	1 6	1 4	2 13	23 53	0 20	18 23	1 42	23 15	15 12	15 23	15 53	6 37	7 48	1 0
S 21	1 34	19 50	3 42	3 31	0 3	14 35	0 35	24 20	1 48	5 3	1 6	1 1	2 13	23 53	0 20	18 23	1 42	23 15	15 12	15 23	15 54	6 35	7 51	1 0
M22	1 57	19 52	2 49	3 54	0n15	15 1	0 38	24 25	1 48	5 8	1 6	0 58	2 14	23 53	0 20	18 23	1 42	23 15	15 12	15 23	15 55	6 34	7 54	1 0
T 23	2 21	18 56	1 50	4 12	0 32	15 28	0 41	24 30	1 48	5 13	1 6	0 55	2 14	23 53	0 20	18 22	1 42	23 15	15 12	15 23	15 56	6 32	7 57	0 59
W24	2 45	17 9	0 47	4 24	0 47	15 54	0 44	24 34	1 48	5 18	1 6	0 52	2 14	23 52	0 20	18 22	1 42	23 16	15 12	15 23	15 57	6 30	8 0	0 59
T 25	3 8	14 39	0n17	4 31	1 2	16 19	0 47	24 39	1 47	5 23	1 6	0 49	2 14	23 52	0 20	18 22	1 42	23 16	15 11	15 22	15 58	6 28	8 3	0 59
F 26	3 32	11 33	1 20	4 32	1 14	16 44	0 51	24 43	1 47	5 28	1 6	0 46	2 14	23 52	0 20	18 22	1 42	23 16	15 11	15 23	15 59	6 26	8 6	0 59
S 27	3 56	8 0	2 19	4 28	1 25	17 9	0 54	24 47	1 47	5 33	1 6	0 44	2 14	23 52	0 20	18 21	1 42	23 16	15 11	15 24	16 0	6 24	8 9	0 58
S 28	4 19	4 8	3 12	4 19	1 35	17 34	0 57	24 50	1 47	5 39	1 6	0 41	2 14	23 52	0 20	18 21	1 42	23 17	15 11	15 26	16 1	6 22	8 12	0 58
M29	4 42	0 6	3 57	4 5	1 43	17 58	1 0	24 54	1 47	5 44	1 6	0 38	2 14	23 52	0 20	18 21	1 42	23 17	15 11	15 28	16 2	6 20	8 15	0 58
T 30	5s 6	3s59	4n32	3n48	1n49	18s21	1s 3	24s57	1s46	5s49	1n 6	0n35	2n14	23s52	0s20	18n21	1s43	23s17	15s11	15n32	16n 3	6n18	8s18	0s58

Julian Day Number = 2111388.5, Delta T = 19m30s
Ecliptic obliquity = 23°33'30, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°45'28, Lahiri = 10°52'28 Julian Calendar 1 Sept. 1068 == Greg. Calendar 7 Sept. 1068

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1068
geocentric

OCTOBER 1068 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 2 50	13♎50'35	2♏56	25♍47	19♏27	20♐48	17♎31	3♎47	2♑21	28°R52	6°R14	17°R46	16♌12	21♍ 4	18♎57	W 1
T 2	1 6 47	14°50'23	15° 9	26°59	20°39	21°31	17°44	3°54	2°22	28♑51	6♓13	17♌35	16° 9	21°11	19° 6	T 2
F 3	1 10 44	15°50'12	27°33	28°16	21°52	22°15	17°57	4° 1	2°23	28°50	6°13	17°26	16° 5	21°17	19°15	F 3
S 4	1 14 40	16°50'04	10♐ 7	29°37	23° 4	22°59	18°10	4° 8	2°25	28°49	6°12	17°18	16° 2	21°24	19°23	S 4
S 5	1 18 37	17°49'57	22°54	1♎ 2	24°17	23°43	18°23	4°16	2°26	28°48	6°11	17°12	15°59	21°31	19°32	S 5
M 6	1 22 33	18°49'52	5♑57	2°29	25°29	24°28	18°36	4°23	2°28	28°47	6°10	17° 9	15°56	21°37	19°40	M 6
T 7	1 26 30	19°49'49	19°17	3°59	26°42	25°12	18°49	4°30	2°29	28°45	6° 9	17°D 9	15°53	21°44	19°49	T 7
W 8	1 30 26	20°49'47	2♒58	5°31	27°54	25°56	19° 3	4°37	2°31	28°44	6° 8	17° 9	15°50	21°51	19°57	W 8
T 9	1 34 23	21°49'47	17° 1	7° 5	29° 6	26°40	19°16	4°44	2°33	28°43	6° 7	17°R 9	15°46	21°57	20° 6	T 9
F 10	1 38 19	22°49'48	1♓25	8°40	0♐19	27°25	19°29	4°51	2°34	28°42	6° 7	17° 9	15°43	22° 4	20°14	F 10
S 11	1 42 16	23°49'51	16°10	10°16	1°31	28° 9	19°42	4°58	2°36	28°40	6° 6	17° 6	15°40	22°11	20°23	S 11
S 12	1 46 13	24°49'56	1♈ 9	11°53	2°43	28°54	19°55	5° 5	2°38	28°39	6° 5	17° 0	15°37	22°18	20°31	S 12
M13	1 50 9	25°50'03	16°15	13°30	3°55	29°39	20° 8	5°12	2°40	28°38	6° 4	16°52	15°34	22°24	20°40	M13
T 14	1 54 6	26°50'11	1♉18	15° 8	5° 7	0♑23	20°21	5°19	2°42	28°36	6° 4	16°42	15°31	22°31	20°49	T 14
W15	1 58 2	27°50'21	16° 8	16°46	6°20	1° 8	20°34	5°26	2°44	28°35	6° 3	16°31	15°27	22°38	20°57	W15
T 16	2 1 59	28°50'34	0♊37	18°24	7°32	1°53	20°47	5°33	2°46	28°33	6° 2	16°20	15°24	22°44	21° 6	T 16
F 17	2 5 55	29°50'48	14°38	20° 2	8°44	2°38	21° 1	5°40	2°48	28°32	6° 2	16°11	15°21	22°51	21°14	F 17
S 18	2 9 52	0♏51'04	28°11	21°41	9°55	3°23	21°14	5°47	2°50	28°30	6° 1	16° 5	15°18	22°58	21°23	S 18
S 19	2 13 48	1°51'23	11♋15	23°19	11° 7	4° 8	21°27	5°54	2°52	28°29	6° 0	16° 1	15°15	23° 4	21°31	S 19
M20	2 17 45	2°51'43	23°54	24°57	12°19	4°53	21°40	6° 1	2°54	28°27	6° 0	15°59	15°11	23°11	21°39	M20
T 21	2 21 42	3°52'06	6♌11	26°35	13°31	5°38	21°53	6° 8	2°56	28°26	5°59	15°D59	15° 8	23°18	21°48	T 21
W22	2 25 38	4°52'30	18°14	28°12	14°43	6°23	22° 6	6°14	2°59	28°24	5°59	15°R59	15° 5	23°24	21°56	W22
T 23	2 29 35	5°52'56	0♍ 6	29°50	15°54	7° 8	22°19	6°21	3° 1	28°23	5°58	15°58	15° 2	23°31	22° 5	T 23
F 24	2 33 31	6°53'25	11°54	1♏27	17° 6	7°53	22°32	6°28	3° 3	28°21	5°58	15°56	14°59	23°38	22°13	F 24
S 25	2 37 28	7°53'55	23°41	3° 4	18°18	8°39	22°44	6°34	3° 6	28°20	5°57	15°50	14°56	23°44	22°21	S 25
S 26	2 41 24	8°54'27	5♎33	4°41	19°29	9°24	22°57	6°41	3° 8	28°18	5°57	15°42	14°52	23°51	22°30	S 26
M27	2 45 21	9°55'00	17°32	6°17	20°41	10° 9	23°10	6°47	3°10	28°17	5°56	15°31	14°49	23°58	22°38	M27
T 28	2 49 17	10°55'35	29°40	7°53	21°52	10°55	23°23	6°54	3°13	28°15	5°56	15°18	14°46	24° 4	22°46	T 28
W29	2 53 14	11°56'12	11♏58	9°29	23° 3	11°40	23°36	7° 0	3°15	28°13	5°56	15° 3	14°43	24°11	22°55	W29
T 30	2 57 11	12°56'51	24°27	11° 5	24°15	12°26	23°49	7° 7	3°18	28°12	5°55	14°49	14°40	24°18	23° 3	T 30
F 31	3 1 7	13♏57'31	7♐ 7	12♏40	25♐26	13♑12	24♎ 2	7♎13	3♑21	28♉10	5♓55	14♌36	14♌37	24♍24	23♎11	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s29	7s56	4n55	3n26	1n55	18s44	1s 6	25s 0	1s46	5s54	1n 6	0n32	2n14	23s52	0s20	18n20	1s43	23s17	15s10	15n35	16n 4	6n16	8s21	0s57
T 2	5 53	11 37	5 4	3 1	1 59	19 7	1 9	25 3	1 46	5 59	1 6	0 29	2 14	23 52	0 20	18 20	1 43	23 17	15 10	15 38	16 5	6 14	8 24	0 57
F 3	6 16	14 50	5 0	2 33	2 2	19 29	1 12	25 5	1 46	6 4	1 6	0 27	2 14	23 52	0 20	18 20	1 43	23 18	15 10	15 41	16 6	6 12	8 27	0 57
S 4	6 39	17 27	4 41	2 2	2 4	19 50	1 15	25 8	1 45	6 9	1 6	0 24	2 14	23 52	0 20	18 19	1 43	23 18	15 10	15 44	16 6	6 10	8 30	0 56
S 5	7 2	19 14	4 8	1 29	2 4	20 12	1 18	25 10	1 45	6 14	1 6	0 21	2 14	23 52	0 20	18 19	1 43	23 18	15 10	15 45	16 7	6 8	8 33	0 56
M 6	7 25	20 4	3 21	0 54	2 4	20 32	1 21	25 11	1 45	6 19	1 6	0 18	2 14	23 52	0 20	18 19	1 43	23 18	15 9	15 46	16 8	6 6	8 36	0 56
T 7	7 48	19 48	2 23	0 18	2 3	20 52	1 24	25 13	1 45	6 24	1 6	0 15	2 14	23 52	0 20	18 19	1 43	23 18	15 9	15 46	16 9	6 4	8 39	0 56
W 8	8 10	18 23	1 15	0s20	2 2	21 12	1 27	25 14	1 44	6 29	1 6	0 13	2 14	23 52	0 20	18 18	1 43	23 18	15 9	15 46	16 10	6 2	8 42	0 55
T 9	8 33	15 48	0 1	1 0	2 0	21 31	1 29	25 15	1 44	6 34	1 6	0 10	2 14	23 52	0 20	18 18	1 43	23 18	15 9	15 46	16 11	6 0	8 45	0 55
F 10	8 55	12 12	1s15	1 40	1 57	21 49	1 32	25 16	1 44	6 39	1 6	0 7	2 15	23 52	0 20	18 18	1 43	23 18	15 8	15 46	16 12	5 58	8 48	0 55
S 11	9 18	7 45	2 28	2 21	1 53	22 7	1 35	25 16	1 43	6 44	1 5	0 4	2 15	23 52	0 20	18 17	1 43	23 18	15 8	15 47	16 13	5 56	8 51	0 55
S 12	9 40	2 46	3 31	3 2	1 49	22 24	1 38	25 16	1 43	6 49	1 5	0 2	2 15	23 52	0 20	18 17	1 43	23 19	15 8	15 49	16 14	5 54	8 54	0 54
M13	10 2	2n25	4 21	3 44	1 45	22 41	1 40	25 16	1 43	6 54	1 5	0s 1	2 15	23 52	0 20	18 17	1 43	23 19	15 8	15 52	16 15	5 52	8 57	0 54
T 14	10 24	7 26	4 51	4 27	1 40	22 57	1 43	25 16	1 42	6 59	1 5	0 4	2 15	23 52	0 20	18 16	1 43	23 19	15 7	15 55	16 16	5 50	9 0	0 54
W15	10 45	11 55	5 2	5 9	1 35	23 12	1 45	25 15	1 42	7 4	1 5	0 6	2 15	23 52	0 20	18 16	1 43	23 19	15 7	15 58	16 17	5 48	9 3	0 54
T 16	11 7	15 36	4 53	5 52	1 30	23 27	1 48	25 14	1 42	7 9	1 5	0 9	2 15	23 52	0 20	18 16	1 43	23 19	15 7	16 1	16 18	5 46	9 6	0 53
F 17	11 28	18 16	4 26	6 34	1 25	23 41	1 50	25 13	1 41	7 14	1 5	0 12	2 15	23 52	0 20	18 15	1 43	23 19	15 7	16 4	16 19	5 44	9 9	0 53
S 18	11 50	19 48	3 45	7 16	1 19	23 55	1 53	25 12	1 41	7 19	1 5	0 14	2 15	23 52	0 20	18 15	1 43	23 19	15 6	16 6	16 20	5 42	9 12	0 53
S 19	12 11	20 12	2 53	7 59	1 13	24 7	1 55	25 10	1 41	7 23	1 5	0 17	2 15	23 52	0 20	18 15	1 43	23 19	15 6	16 7	16 21	5 40	9 15	0 53
M20	12 32	19 33	1 54	8 40	1 7	24 19	1 58	25 8	1 40	7 28	1 5	0 20	2 16	23 51	0 20	18 14	1 43	23 19	15 6	16 7	16 22	5 38	9 17	0 52
T 21	12 52	17 59	0 52	9 22	1 0	24 31	2 0	25 6	1 40	7 33	1 5	0 22	2 16	23 51	0 20	18 14	1 43	23 19	15 6	16 8	16 23	5 36	9 20	0 52
W22	13 13	15 38	0n12	10 3	0 54	24 42	2 2	25 4	1 39	7 38	1 5	0 25	2 16	23 51	0 20	18 14	1 43	23 19	15 5	16 7	16 23	5 34	9 23	0 52
T 23	13 33	12 39	1 14	10 44	0 47	24 52	2 4	25 1	1 39	7 43	1 5	0 27	2 16	23 51	0 20	18 13	1 43	23 19	15 5	16 8	16 24	5 32	9 26	0 52
F 24	13 53	9 11	2 13	11 24	0 41	25 1	2 6	24 58	1 39	7 48	1 5	0 30	2 16	23 51	0 20	18 13	1 43	23 18	15 5	16 8	16 25	5 30	9 29	0 51
S 25	14 13	5 21	3 5	12 4	0 34	25 10	2 8	24 54	1 38	7 53	1 5	0 32	2 16	23 51	0 20	18 13	1 43	23 18	15 4	16 10	16 26	5 28	9 32	0 51
S 26	14 32	1 18	3 50	12 43	0 27	25 18	2 10	24 51	1 38	7 57	1 6	0 35	2 16	23 51	0 20	18 12	1 43	23 18	15 4	16 12	16 27	5 26	9 35	0 51
M27	14 52	2s50	4 25	13 21	0 21	25 25	2 12	24 47	1 37	8 2	1 6	0 37	2 16	23 51	0 20	18 12	1 43	23 18	15 4	16 16	16 28	5 24	9 38	0 51
T 28	15 11	6 54	4 49	13 59	0 14	25 32	2 13	24 43	1 37	8 7	1 6	0 40	2 17	23 51	0 20	18 11	1 43	23 18	15 4	16 20	16 29	5 22	9 41	0 50
W29	15 30	10 45	4 59	14 36	0 7	25 37	2 15	24 38	1 36	8 12	1 6	0 42	2 17	23 51	0 20	18 11	1 43	23 18	15 3	16 24	16 30	5 20	9 44	0 50
T 30	15 48	14 12	4 56	15 13	0 1	25 42	2 17	24 34	1 36	8 16	1 6	0 45	2 17	23 51	0 20	18 11	1 43	23 18	15 3	16 28	16 31	5 18	9 46	0 50
F 31	16s 6	17s 3	4n37	15s49	0s 6	25s47	2s18	24s29	1s35	8s21	1n 6	0s47	2n17	23s51	0s20	18n10	1s43	23s18	15s 3	16n32	16n32	5n15	9s49	0s50

Julian Day Number = 2111418.5, Delta T = 19m30s
Ecliptic obliquity = 23°33'30, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°45'32, Lahiri = 10°52'32 Julian Calendar 1 Oct. 1068 == Greg. Calendar 7 Oct. 1068

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1068
geocentric

NOVEMBER 1068 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 5 4	14♏58'12	19♐58	14♏15	26♐37	13♑57	24♎14	7♎20	3♑23	28°R 9	5°R55	14°R25	14♌33	24♍31	23♎19	S 1
S 2	3 9 0	15°58'55	2♑59	15°50	27°48	14°43	24°27	7°26	3°26	28♉ 7	5♓54	14♌17	14°30	24°38	23°27	S 2
M 3	3 12 57	16°59'39	16°12	17°25	28°59	15°29	24°40	7°32	3°29	28° 5	5°54	14°12	14°27	24°44	23°36	M 3
T 4	3 16 53	18° 0'24	29°37	19° 0	0♑10	16°15	24°52	7°38	3°31	28° 4	5°54	14°10	14°24	24°51	23°44	T 4
W 5	3 20 50	19° 1'10	13♒16	20°34	1°21	17° 0	25° 5	7°44	3°34	28° 2	5°54	14°10	14°21	24°58	23°52	W 5
T 6	3 24 46	20° 1'57	27° 9	22° 8	2°32	17°46	25°17	7°50	3°37	28° 0	5°53	14°10	14°17	25° 4	24° 0	T 6
F 7	3 28 43	21° 2'45	11♓18	23°43	3°42	18°32	25°30	7°56	3°40	27°58	5°53	14° 9	14°14	25°11	24° 8	F 7
S 8	3 32 40	22° 3'34	25°41	25°17	4°53	19°18	25°42	8° 2	3°43	27°57	5°53	14° 6	14°11	25°18	24°16	S 8
S 9	3 36 36	23° 4'24	10♈16	26°51	6° 3	20° 4	25°55	8° 8	3°45	27°55	5°53	13°59	14° 8	25°24	24°24	S 9
M10	3 40 33	24° 5'15	24°58	28°24	7°14	20°50	26° 7	8°14	3°48	27°53	5°53	13°51	14° 5	25°31	24°31	M10
T 11	3 44 29	25° 6'07	9♉40	29°58	8°24	21°36	26°19	8°20	3°51	27°52	5°53	13°40	14° 2	25°38	24°39	T 11
W12	3 48 26	26° 7'00	24°14	1♐32	9°34	22°22	26°32	8°26	3°54	27°50	5°53	13°28	13°58	25°44	24°47	W12
T 13	3 52 22	27° 7'54	8♊32	3° 6	10°44	23° 8	26°44	8°31	3°57	27°48	5°53	13°16	13°55	25°51	24°55	T 13
F 14	3 56 19	28° 8'50	22°29	4°39	11°54	23°54	26°56	8°37	4° 0	27°47	5°D53	13° 6	13°52	25°58	25° 2	F 14
S 15	4 0 15	29° 9'46	6♋ 1	6°13	13° 4	24°40	27° 8	8°42	4° 3	27°45	5°53	12°58	13°49	26° 5	25°10	S 15
S 16	4 4 12	0♐10'44	19° 7	7°47	14°14	25°26	27°20	8°48	4° 6	27°43	5°53	12°53	13°46	26°11	25°18	S 16
M17	4 8 9	1°11'43	1♌49	9°20	15°23	26°12	27°32	8°53	4°10	27°42	5°53	12°51	13°43	26°18	25°25	M17
T 18	4 12 5	2°12'43	14°10	10°54	16°33	26°58	27°44	8°59	4°13	27°40	5°53	12°D50	13°39	26°25	25°33	T 18
W19	4 16 2	3°13'44	26°15	12°28	17°42	27°45	27°56	9° 4	4°16	27°38	5°53	12°51	13°36	26°31	25°40	W19
T 20	4 19 58	4°14'47	8♍ 9	14° 1	18°51	28°31	28° 8	9° 9	4°19	27°36	5°53	12°R51	13°33	26°38	25°48	T 20
F 21	4 23 55	5°15'50	19°58	15°35	20° 1	29°17	28°20	9°14	4°22	27°35	5°53	12°50	13°30	26°45	25°55	F 21
S 22	4 27 51	6°16'55	1♎48	17° 8	21° 9	0♒ 3	28°32	9°19	4°26	27°33	5°53	12°46	13°27	26°51	26° 2	S 22
S 23	4 31 48	7°18'00	13°42	18°42	22°18	0°50	28°43	9°24	4°29	27°31	5°54	12°40	13°23	26°58	26° 9	S 23
M24	4 35 44	8°19'07	25°46	20°15	23°27	1°36	28°55	9°29	4°32	27°30	5°54	12°32	13°20	27° 5	26°17	M24
T 25	4 39 41	9°20'14	8♏ 1	21°49	24°35	2°22	29° 6	9°34	4°35	27°28	5°54	12°21	13°17	27°11	26°24	T 25
W26	4 43 38	10°21'22	20°31	23°22	25°44	3° 8	29°18	9°39	4°39	27°26	5°55	12°10	13°14	27°18	26°31	W26
T 27	4 47 34	11°22'31	3♐16	24°55	26°52	3°55	29°29	9°43	4°42	27°25	5°55	11°58	13°11	27°25	26°38	T 27
F 28	4 51 31	12°23'41	16°16	26°27	28° 0	4°41	29°40	9°48	4°45	27°23	5°55	11°47	13° 8	27°31	26°45	F 28
S 29	4 55 27	13°24'51	29°29	28° 0	29° 8	5°27	29°52	9°53	4°49	27°21	5°56	11°38	13° 4	27°38	26°52	S 29
S 30	4 59 24	14♐26'02	12♑53	29♐31	0♒16	6♒14	0♏ 3	9♎57	4♑52	27♉20	5♓56	11♌32	13♌ 1	27♍45	26♎58	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s24	19s 7	4n 5	16s24	0s13	25s50	2s20	24s24	1s35	8s26	1n 6	0s49	2n17	23s51	0s20	18n10	1s43	23s17	15s 2	16n35	16n33	5n13	9s52	0s49
S 2	16 42	20 12	3 19	16 58	0 19	25 53	2 21	24 18	1 34	8 30	1 6	0 52	2 17	23 51	0 20	18 10	1 43	23 17	15 2	16 38	16 34	5 11	9 55	0 49
M 3	17 0	20 13	2 22	17 32	0 26	25 55	2 22	24 13	1 34	8 35	1 6	0 54	2 17	23 51	0 20	18 9	1 43	23 17	15 2	16 39	16 35	5 9	9 58	0 49
T 4	17 17	19 5	1 16	18 4	0 32	25 57	2 23	24 7	1 33	8 39	1 6	0 56	2 18	23 50	0 20	18 9	1 43	23 17	15 1	16 40	16 36	5 7	10 1	0 49
W 5	17 34	16 51	0 5	18 36	0 38	25 57	2 24	24 0	1 33	8 44	1 6	0 59	2 18	23 50	0 20	18 8	1 43	23 17	15 1	16 40	16 37	5 5	10 3	0 49
T 6	17 50	13 35	1s 8	19 7	0 45	25 57	2 25	23 54	1 32	8 49	1 6	1 1	2 18	23 50	0 20	18 8	1 43	23 17	15 1	16 40	16 37	5 3	10 6	0 48
F 7	18 6	9 29	2 18	19 37	0 51	25 56	2 26	23 47	1 32	8 53	1 6	1 3	2 18	23 50	0 20	18 8	1 43	23 16	15 0	16 40	16 38	5 1	10 9	0 48
S 8	18 22	4 47	3 21	20 6	0 57	25 55	2 27	23 40	1 31	8 58	1 6	1 5	2 18	23 50	0 20	18 7	1 43	23 16	15 0	16 41	16 39	4 59	10 12	0 48
S 9	18 38	0n15	4 11	20 34	1 3	25 52	2 28	23 33	1 31	9 2	1 6	1 7	2 19	23 50	0 20	18 7	1 43	23 16	15 0	16 43	16 40	4 57	10 14	0 48
M10	18 53	5 18	4 45	21 1	1 9	25 49	2 28	23 25	1 30	9 7	1 6	1 10	2 19	23 50	0 20	18 7	1 43	23 16	15 0	16 45	16 41	4 55	10 17	0 47
T 11	19 8	10 2	5 0	21 27	1 14	25 46	2 29	23 17	1 30	9 11	1 6	1 12	2 19	23 50	0 20	18 6	1 43	23 15	14 59	16 48	16 42	4 53	10 20	0 47
W12	19 23	14 9	4 56	21 52	1 20	25 41	2 29	23 9	1 29	9 15	1 6	1 14	2 19	23 50	0 20	18 6	1 43	23 15	14 59	16 52	16 43	4 51	10 22	0 47
T 13	19 37	17 21	4 32	22 16	1 25	25 36	2 29	23 1	1 28	9 20	1 6	1 16	2 19	23 50	0 20	18 5	1 43	23 15	14 59	16 55	16 44	4 49	10 25	0 47
F 14	19 51	19 28	3 53	22 39	1 30	25 30	2 29	22 52	1 28	9 24	1 6	1 18	2 19	23 50	0 20	18 5	1 43	23 14	14 58	16 58	16 45	4 47	10 28	0 46
S 15	20 4	20 23	3 2	23 1	1 35	25 23	2 29	22 44	1 27	9 28	1 6	1 20	2 20	23 50	0 20	18 5	1 43	23 14	14 58	17 0	16 46	4 45	10 30	0 46
S 16	20 17	20 10	2 2	23 21	1 40	25 16	2 29	22 35	1 27	9 33	1 6	1 22	2 20	23 49	0 20	18 4	1 43	23 14	14 58	17 2	16 47	4 43	10 33	0 46
M17	20 30	18 54	0 58	23 40	1 44	25 8	2 29	22 25	1 26	9 37	1 6	1 24	2 20	23 49	0 20	18 4	1 43	23 13	14 57	17 2	16 48	4 41	10 35	0 46
T 18	20 42	16 46	0n 7	23 59	1 48	24 59	2 29	22 16	1 25	9 41	1 6	1 26	2 20	23 49	0 20	18 4	1 43	23 13	14 57	17 3	16 48	4 38	10 38	0 46
W19	20 54	13 56	1 11	24 15	1 52	24 50	2 28	22 6	1 25	9 45	1 7	1 28	2 20	23 49	0 20	18 3	1 43	23 13	14 57	17 2	16 49	4 36	10 40	0 45
T 20	21 6	10 34	2 10	24 31	1 56	24 40	2 28	21 56	1 24	9 50	1 7	1 29	2 21	23 49	0 20	18 3	1 43	23 12	14 56	17 2	16 50	4 34	10 43	0 45
F 21	21 17	6 49	3 4	24 45	1 59	24 29	2 27	21 46	1 24	9 54	1 7	1 31	2 21	23 49	0 20	18 2	1 43	23 12	14 56	17 3	16 51	4 32	10 45	0 45
S 22	21 28	2 48	3 50	24 58	2 3	24 17	2 26	21 35	1 23	9 58	1 7	1 33	2 21	23 49	0 20	18 2	1 43	23 12	14 56	17 4	16 52	4 30	10 48	0 45
S 23	21 38	1s21	4 26	25 9	2 5	24 5	2 25	21 25	1 22	10 2	1 7	1 35	2 21	23 49	0 20	18 2	1 43	23 11	14 55	17 5	16 53	4 28	10 50	0 44
M24	21 48	5 29	4 51	25 19	2 8	23 52	2 24	21 14	1 22	10 6	1 7	1 37	2 21	23 49	0 20	18 1	1 43	23 11	14 55	17 8	16 54	4 26	10 53	0 44
T 25	21 58	9 29	5 2	25 28	2 10	23 39	2 23	21 3	1 21	10 10	1 7	1 38	2 22	23 48	0 20	18 1	1 43	23 11	14 55	17 11	16 55	4 24	10 55	0 44
W26	22 7	13 9	5 0	25 35	2 12	23 25	2 22	20 51	1 20	10 14	1 7	1 40	2 22	23 48	0 20	18 1	1 43	23 10	14 54	17 14	16 56	4 22	10 57	0 44
T 27	22 15	16 17	4 43	25 40	2 13	23 11	2 20	20 40	1 20	10 18	1 7	1 42	2 22	23 48	0 20	18 0	1 43	23 10	14 54	17 17	16 57	4 20	11 0	0 44
F 28	22 24	18 41	4 11	25 44	2 14	22 55	2 18	20 28	1 19	10 22	1 7	1 43	2 22	23 48	0 20	18 0	1 43	23 9	14 54	17 20	16 58	4 18	11 2	0 43
S 29	22 31	20 9	3 25	25 47	2 14	22 40	2 17	20 16	1 18	10 26	1 7	1 45	2 23	23 48	0 20	18 0	1 43	23 9	14 53	17 23	16 59	4 16	11 4	0 43
S 30	22s39	20s30	2n27	25s48	2s14	22s23	2s15	20s 4	1s18	10s30	1n 7	1s46	2n23	23s48	0s20	17n59	1s43	23s 8	14s53	17n25	16n59	4n13	11s 7	0s43

Julian Day Number = 2111449.5, Delta T = 19m29s
Ecliptic obliquity = 23°33'29, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°45'36, Lahiri = 10°52'37 Julian Calendar 1 Nov. 1068 == Greg. Calendar 7 Nov. 1068

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1068
geocentric

DECEMBER 1068 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 3 20	15♐27'13	26♉28	1♉ 3	1♒23	7♒ 0	0♏14	10♎ 1	4♉56	27°R18	5♓56	11°R28	12♌58	27♍51	27♎ 5	M 1
T 2	5 7 17	16°28'24	10♒11	2°33	2°30	7°46	0°25	10° 6	4°59	27♉17	5°57	11°D27	12°55	27°58	27°12	T 2
W 3	5 11 13	17°29'35	24° 2	4° 3	3°37	8°33	0°36	10°10	5° 2	27°15	5°57	11♌28	12°52	28° 5	27°18	W 3
T 4	5 15 10	18°30'46	8♓ 0	5°31	4°44	9°19	0°47	10°14	5° 6	27°13	5°58	11°29	12°48	28°12	27°25	T 4
F 5	5 19 7	19°31'58	22° 5	6°59	5°51	10° 5	0°57	10°18	5° 9	27°12	5°58	11°R29	12°45	28°18	27°31	F 5
S 6	5 23 3	20°33'09	6♈15	8°24	6°57	10°52	1° 8	10°22	5°13	27°10	5°59	11°28	12°42	28°25	27°38	S 6
S 7	5 27 0	21°34'20	20°28	9°48	8° 3	11°38	1°19	10°26	5°16	27° 9	5°59	11°24	12°39	28°32	27°44	S 7
M 8	5 30 56	22°35'31	4♉44	11°10	9° 9	12°25	1°29	10°30	5°20	27° 7	6° 0	11°19	12°36	28°38	27°50	M 8
T 9	5 34 53	23°36'42	18°56	12°29	10°15	13°11	1°39	10°33	5°23	27° 6	6° 1	11°12	12°33	28°45	27°57	T 9
W10	5 38 49	24°37'53	3♊ 2	13°44	11°21	13°57	1°50	10°37	5°27	27° 4	6° 1	11° 4	12°29	28°52	28° 3	W10
T 11	5 42 46	25°39'04	16°56	14°57	12°26	14°44	2° 0	10°40	5°30	27° 3	6° 2	10°56	12°26	28°58	28° 9	T 11
F 12	5 46 42	26°40'15	0♋33	16° 4	13°31	15°30	2°10	10°44	5°34	27° 2	6° 3	10°49	12°23	29° 5	28°15	F 12
S 13	5 50 39	27°41'26	13°52	17° 7	14°35	16°16	2°20	10°47	5°37	27° 0	6° 3	10°44	12°20	29°12	28°20	S 13
S 14	5 54 36	28°42'37	26°51	18° 5	15°39	17° 3	2°30	10°50	5°41	26°59	6° 4	10°41	12°17	29°18	28°26	S 14
M15	5 58 32	29°43'48	9♌30	18°55	16°43	17°49	2°40	10°53	5°45	26°57	6° 5	10°D40	12°14	29°25	28°32	M15
T 16	6 2 29	0♍44'59	21°52	19°38	17°47	18°35	2°49	10°57	5°48	26°56	6° 5	10°40	12°10	29°32	28°37	T 16
W17	6 6 25	1°46'11	3♍58	20°13	18°50	19°21	2°59	10°59	5°52	26°55	6° 6	10°42	12° 7	29°38	28°43	W17
T 18	6 10 22	2°47'22	15°55	20°39	19°53	20° 8	3° 8	11° 2	5°55	26°53	6° 7	10°44	12° 4	29°45	28°48	T 18
F 19	6 14 18	3°48'33	27°46	20°54	20°56	20°54	3°18	11° 5	5°59	26°52	6° 8	10°45	12° 1	29°52	28°54	F 19
S 20	6 18 15	4°49'44	9♎36	20°R59	21°58	21°40	3°27	11° 8	6° 2	26°51	6° 9	10°R45	11°58	29°59	28°59	S 20
S 21	6 22 12	5°50'55	21°31	20°52	23° 0	22°26	3°36	11°10	6° 6	26°49	6°10	10°43	11°54	0♎ 5	29° 4	S 21
M22	6 26 8	6°52'06	3♏36	20°34	24° 2	23°13	3°45	11°13	6° 9	26°48	6°11	10°40	11°51	0°12	29° 9	M22
T 23	6 30 5	7°53'17	15°55	20° 4	25° 3	23°59	3°54	11°15	6°13	26°47	6°11	10°36	11°48	0°19	29°14	T 23
W24	6 34 1	8°54'28	28°31	19°22	26° 3	24°45	4° 3	11°17	6°17	26°46	6°12	10°31	11°45	0°25	29°19	W24
T 25	6 37 58	9°55'39	11♐25	18°30	27° 4	25°31	4°12	11°19	6°20	26°45	6°13	10°25	11°42	0°32	29°24	T 25
F 26	6 41 54	10°56'49	24°40	17°28	28° 3	26°18	4°20	11°22	6°24	26°44	6°14	10°20	11°39	0°39	29°29	F 26
S 27	6 45 51	11°57'59	8♑13	16°19	29° 3	27° 4	4°29	11°24	6°27	26°42	6°15	10°16	11°35	0°45	29°33	S 27
S 28	6 49 47	12°59'08	22° 2	15° 5	0♓ 2	27°50	4°37	11°25	6°31	26°41	6°16	10°14	11°32	0°52	29°38	S 28
M29	6 53 44	14° 0'17	6♒ 5	13°47	1° 0	28°36	4°45	11°27	6°34	26°40	6°17	10°D12	11°29	0°59	29°42	M29
T 30	6 57 41	15° 1'25	20°16	12°29	1°58	29°22	4°53	11°29	6°38	26°39	6°18	10°13	11°26	1° 5	29°47	T 30
W31	7 1 37	16♑ 2'32	4♓32	11♑13	2♓55	0♓ 8	5♏ 1	11♎30	6♑42	26♉38	6♓20	10♌14	11♌23	1♎12	29♎51	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s46	19s40	1n19	25s47	2s14	22s 7	2s13	19s51	1s17	10s33	1n 7	1s48	2n23	23s48	0s20	17n59	1s43	23s 8	14s53	17n26	17n 0	4n11	11s 9	0s43
T 2	22 52	17 40	0 7	25 44	2 12	21 49	2 11	19 39	1 16	10 37	1 8	1 49	2 23	23 48	0 20	17 59	1 43	23 7	14 52	17 26	17 1	4 9	11 11	0 43
W 3	22 58	14 38	1s 7	25 40	2 11	21 31	2 9	19 26	1 16	10 41	1 8	1 51	2 24	23 47	0 20	17 58	1 43	23 7	14 52	17 26	17 2	4 7	11 13	0 42
T 4	23 4	10 44	2 18	25 35	2 8	21 13	2 6	19 13	1 15	10 45	1 8	1 52	2 24	23 47	0 20	17 58	1 43	23 7	14 52	17 25	17 3	4 5	11 16	0 42
F 5	23 9	6 14	3 21	25 27	2 5	20 54	2 4	19 0	1 14	10 48	1 8	1 54	2 24	23 47	0 20	17 58	1 43	23 6	14 51	17 25	17 4	4 3	11 18	0 42
S 6	23 13	1 21	4 12	25 19	2 1	20 34	2 1	18 46	1 14	10 52	1 8	1 55	2 24	23 47	0 20	17 57	1 43	23 6	14 51	17 26	17 5	4 1	11 20	0 42
S 7	23 17	3n36	4 47	25 8	1 57	20 15	1 58	18 33	1 13	10 55	1 8	1 56	2 24	23 47	0 20	17 57	1 43	23 5	14 51	17 27	17 6	3 59	11 22	0 41
M 8	23 21	8 22	5 5	24 56	1 52	19 54	1 55	18 19	1 12	10 59	1 8	1 57	2 25	23 47	0 20	17 57	1 43	23 5	14 51	17 28	17 7	3 57	11 24	0 41
T 9	23 24	12 39	5 5	24 43	1 45	19 33	1 52	18 5	1 12	11 2	1 8	1 59	2 25	23 47	0 20	17 56	1 43	23 4	14 50	17 30	17 8	3 55	11 26	0 41
W10	23 27	16 12	4 45	24 28	1 38	19 12	1 49	17 51	1 11	11 6	1 8	2 0	2 25	23 47	0 20	17 56	1 43	23 3	14 50	17 32	17 8	3 52	11 28	0 41
T 11	23 29	18 46	4 9	24 12	1 30	18 50	1 45	17 37	1 10	11 9	1 8	2 1	2 25	23 46	0 20	17 56	1 43	23 3	14 50	17 35	17 9	3 50	11 30	0 41
F 12	23 31	20 14	3 20	23 55	1 21	18 28	1 42	17 22	1 9	11 13	1 9	2 2	2 26	23 46	0 20	17 55	1 43	23 2	14 49	17 36	17 10	3 48	11 32	0 40
S 13	23 32	20 31	2 20	23 37	1 11	18 6	1 38	17 8	1 9	11 16	1 9	2 3	2 26	23 46	0 20	17 55	1 43	23 2	14 49	17 38	17 11	3 46	11 34	0 40
S 14	23 33	19 41	1 14	23 18	0 59	17 43	1 34	16 53	1 8	11 19	1 9	2 4	2 26	23 46	0 20	17 55	1 43	23 1	14 49	17 39	17 12	3 44	11 36	0 40
M15	23 33	17 52	0 6	22 59	0 47	17 20	1 30	16 38	1 7	11 23	1 9	2 5	2 27	23 46	0 20	17 55	1 43	23 1	14 48	17 39	17 13	3 42	11 37	0 40
T 16	23 33	15 15	1n 1	22 39	0 33	16 57	1 26	16 23	1 7	11 26	1 9	2 6	2 27	23 46	0 20	17 54	1 43	23 0	14 48	17 39	17 14	3 40	11 39	0 39
W17	23 33	12 1	2 3	22 20	0 18	16 33	1 22	16 8	1 6	11 29	1 9	2 7	2 27	23 45	0 20	17 54	1 43	23 0	14 48	17 38	17 15	3 38	11 41	0 39
T 18	23 32	8 21	3 0	22 0	0 2	16 9	1 17	15 53	1 5	11 32	1 9	2 8	2 27	23 45	0 20	17 54	1 42	22 59	14 48	17 38	17 16	3 35	11 43	0 39
F 19	23 30	4 23	3 49	21 41	0n14	15 44	1 13	15 37	1 4	11 35	1 9	2 9	2 28	23 45	0 20	17 54	1 42	22 58	14 47	17 38	17 16	3 33	11 44	0 39
S 20	23 28	0 16	4 27	21 23	0 32	15 19	1 8	15 21	1 4	11 38	1 10	2 9	2 28	23 45	0 20	17 53	1 42	22 58	14 47	17 38	17 17	3 31	11 46	0 39
S 21	23 26	3s52	4 55	21 6	0 51	14 54	1 3	15 6	1 3	11 41	1 10	2 10	2 28	23 45	0 20	17 53	1 42	22 57	14 47	17 38	17 18	3 29	11 48	0 38
M22	23 23	7 55	5 10	20 50	1 10	14 29	0 58	14 50	1 2	11 44	1 10	2 11	2 28	23 45	0 20	17 53	1 42	22 57	14 46	17 39	17 19	3 27	11 49	0 38
T 23	23 19	11 43	5 11	20 35	1 29	14 4	0 53	14 34	1 1	11 47	1 10	2 12	2 29	23 45	0 20	17 53	1 42	22 56	14 46	17 40	17 20	3 25	11 51	0 38
W24	23 15	15 6	4 57	20 22	1 48	13 38	0 47	14 17	1 1	11 50	1 10	2 12	2 29	23 44	0 20	17 52	1 42	22 56	14 46	17 41	17 21	3 23	11 52	0 38
T 25	23 11	17 50	4 28	20 11	2 6	13 12	0 42	14 1	1 0	11 53	1 10	2 13	2 29	23 44	0 20	17 52	1 42	22 55	14 46	17 43	17 22	3 21	11 54	0 38
F 26	23 6	19 43	3 44	20 2	2 24	12 46	0 36	13 45	0 59	11 55	1 10	2 13	2 30	23 44	0 20	17 52	1 42	22 54	14 45	17 44	17 23	3 18	11 55	0 37
S 27	23 1	20 32	2 47	19 54	2 40	12 20	0 30	13 28	0 58	11 58	1 11	2 14	2 30	23 44	0 20	17 52	1 42	22 54	14 45	17 45	17 24	3 16	11 57	0 37
S 28	22 55	20 8	1 38	19 49	2 54	11 53	0 24	13 11	0 58	12 1	1 11	2 14	2 30	23 44	0 20	17 52	1 42	22 53	14 45	17 46	17 24	3 14	11 58	0 37
M29	22 49	18 29	0 23	19 45	3 6	11 27	0 18	12 55	0 57	12 3	1 11	2 15	2 30	23 44	0 20	17 51	1 42	22 52	14 45	17 46	17 25	3 12	12 0	0 37
T 30	22 42	15 40	0s55	19 43	3 16	11 0	0 11	12 38	0 56	12 6	1 11	2 15	2 31	23 43	0 20	17 51	1 42	22 52	14 44	17 46	17 26	3 10	12 1	0 36
W31	22s35	11s55	2s10	19s42	3n24	10s34	0s 5	12s21	0s55	12s 9	1n11	2s16	2n31	23s43	0s20	17n51	1s42	22s51	14s44	17n46	17n27	3n 8	12s 2	0s36

Julian Day Number = 2111479.5, Delta T = 19m29s
Ecliptic obliquity = 23°33'29, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°45'40, Lahiri = 10°52'41 Julian Calendar 1 Dec. 1068 == Greg. Calendar 7 Dec. 1068

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1069
geocentric

JANUARY 1069 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 5 34	17♑ 3'37	18♓49	10°R 1	3♓52	0♓54	5♏ 9	11♎32	6♑45	26°R37	6♓21	10♌15	11♌20	1♎19	29♎55	T 1
F 2	7 9 30	18° 4'42	3♈ 5	8♑54	4°48	1°40	5°17	11°33	6°49	26♉36	6°22	10°17	11°16	1°25	29°59	F 2
S 3	7 13 27	19° 5'46	17°16	7°54	5°44	2°26	5°24	11°34	6°52	26°36	6°23	10°R17	11°13	1°32	0♏ 3	S 3
S 4	7 17 23	20° 6'48	1♉21	7° 3	6°39	3°12	5°31	11°35	6°56	26°35	6°24	10°17	11°10	1°39	0° 7	S 4
M 5	7 21 20	21° 7'50	15°18	6°20	7°33	3°58	5°39	11°36	6°59	26°34	6°25	10°16	11° 7	1°46	0°10	M 5
T 6	7 25 16	22° 8'50	29° 6	5°46	8°27	4°44	5°46	11°37	7° 3	26°33	6°26	10°13	11° 4	1°52	0°14	T 6
W 7	7 29 13	23° 9'49	12♊43	5°21	9°20	5°30	5°53	11°38	7° 6	26°32	6°28	10°11	11° 0	1°59	0°18	W 7
T 8	7 33 10	24°10'47	26° 8	5° 5	10°12	6°16	6° 0	11°39	7°10	26°31	6°29	10° 9	10°57	2° 6	0°21	T 8
F 9	7 37 6	25°11'44	9♋20	4°D58	11° 3	7° 2	6° 6	11°39	7°13	26°31	6°30	10° 6	10°54	2°12	0°24	F 9
S 10	7 41 3	26°12'40	22°17	4°58	11°54	7°48	6°13	11°40	7°16	26°30	6°31	10° 5	10°51	2°19	0°28	S 10
S 11	7 44 59	27°13'35	5♌ 0	5° 6	12°44	8°34	6°19	11°40	7°20	26°29	6°32	10°D 4	10°48	2°26	0°31	S 11
M12	7 48 56	28°14'28	17°28	5°21	13°33	9°19	6°25	11°41	7°23	26°29	6°34	10° 4	10°45	2°32	0°34	M12
T 13	7 52 52	29°15'20	29°44	5°42	14°21	10° 5	6°31	11°41	7°27	26°28	6°35	10° 5	10°41	2°39	0°36	T 13
W14	7 56 49	0♒16'12	11♍48	6°10	15° 8	10°51	6°37	11°R41	7°30	26°28	6°36	10° 6	10°38	2°46	0°39	W14
T 15	8 0 45	1°17'02	23°45	6°42	15°54	11°36	6°43	11°41	7°33	26°27	6°38	10° 7	10°35	2°53	0°42	T 15
F 16	8 4 42	2°17'51	5♎36	7°20	16°39	12°22	6°49	11°41	7°37	26°26	6°39	10° 8	10°32	2°59	0°44	F 16
S 17	8 8 39	3°18'40	17°27	8° 2	17°23	13° 8	6°54	11°40	7°40	26°26	6°40	10° 9	10°29	3° 6	0°47	S 17
S 18	8 12 35	4°19'27	29°22	8°48	18° 7	13°53	7° 0	11°40	7°43	26°26	6°42	10°R 9	10°26	3°13	0°49	S 18
M19	8 16 32	5°20'13	11♏25	9°38	18°49	14°39	7° 5	11°40	7°47	26°25	6°43	10° 9	10°22	3°19	0°51	M19
T 20	8 20 28	6°20'58	23°42	10°31	19°29	15°24	7°10	11°39	7°50	26°25	6°44	10° 9	10°19	3°26	0°53	T 20
W21	8 24 25	7°21'42	6♐16	11°28	20° 9	16°10	7°14	11°38	7°53	26°24	6°46	10° 8	10°16	3°33	0°55	W21
T 22	8 28 21	8°22'25	19°12	12°27	20°48	16°55	7°19	11°38	7°56	26°24	6°47	10° 8	10°13	3°39	0°57	T 22
F 23	8 32 18	9°23'07	2♑30	13°30	21°25	17°41	7°24	11°37	7°59	26°24	6°49	10° 8	10°10	3°46	0°59	F 23
S 24	8 36 14	10°23'47	16°13	14°34	22° 0	18°26	7°28	11°36	8° 3	26°24	6°50	10°D 8	10° 6	3°53	1° 1	S 24
S 25	8 40 11	11°24'27	0♒19	15°41	22°35	19°11	7°32	11°35	8° 6	26°23	6°51	10° 8	10° 3	3°59	1° 2	S 25
M26	8 44 8	12°25'04	14°43	16°50	23° 8	19°57	7°36	11°33	8° 9	26°23	6°53	10°R 8	10° 0	4° 6	1° 4	M26
T 27	8 48 4	13°25'40	29°22	18° 1	23°39	20°42	7°40	11°32	8°12	26°23	6°54	10° 8	9°57	4°13	1° 5	T 27
W28	8 52 1	14°26'14	14♓ 7	19°14	24° 9	21°27	7°43	11°31	8°15	26°23	6°56	10° 8	9°54	4°20	1° 6	W28
T 29	8 55 57	15°26'47	28°52	20°28	24°37	22°12	7°47	11°29	8°18	26°23	6°57	10° 7	9°51	4°26	1° 7	T 29
F 30	8 59 54	16°27'18	13♈31	21°44	25° 4	22°58	7°50	11°28	8°21	26°D23	6°59	10° 6	9°47	4°33	1° 8	F 30
S 31	9 3 50	17♒27'46	27♈57	23♑ 2	25♓29	23♓43	7♏53	11♎26	8♑24	26♉23	7♓ 0	10♌ 6	9♌44	4♎40	1♏ 9	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s28	7s28	3s17	19s43	3n28	10s 7	0n 2	12s 4	0s55	12s11	1n11	2s16	2n31	23s43	0s20	17n51	1s42	22s51	14s44	17n46	17n28	3n 5	12s 4	0s36
F 2	22 20	2 37	4 11	19 45	3 31	9 40	0 9	11 46	0 54	12 13	1 11	2 16	2 31	23 43	0 20	17 51	1 42	22 50	14 44	17 45	17 29	3 3	12 5	0 36
S 3	22 11	2n21	4 50	19 49	3 31	9 13	0 16	11 29	0 53	12 16	1 12	2 16	2 32	23 43	0 20	17 50	1 42	22 49	14 43	17 45	17 30	3 1	12 6	0 36
S 4	22 3	7 8	5 12	19 53	3 29	8 46	0 23	11 12	0 52	12 18	1 12	2 17	2 32	23 43	0 20	17 50	1 42	22 49	14 43	17 45	17 31	2 59	12 7	0 35
M 5	21 53	11 30	5 14	19 59	3 25	8 19	0 30	10 54	0 52	12 20	1 12	2 17	2 32	23 42	0 20	17 50	1 42	22 48	14 43	17 46	17 31	2 57	12 8	0 35
T 6	21 44	15 12	4 59	20 6	3 20	7 52	0 38	10 37	0 51	12 23	1 12	2 17	2 33	23 42	0 20	17 50	1 42	22 47	14 43	17 46	17 32	2 55	12 9	0 35
W 7	21 34	18 2	4 26	20 14	3 13	7 25	0 45	10 19	0 50	12 25	1 12	2 17	2 33	23 42	0 20	17 50	1 41	22 47	14 43	17 47	17 33	2 53	12 10	0 35
T 8	21 23	19 51	3 40	20 23	3 5	6 58	0 53	10 1	0 49	12 27	1 12	2 17	2 33	23 42	0 20	17 50	1 41	22 46	14 42	17 47	17 34	2 50	12 11	0 34
F 9	21 12	20 32	2 42	20 32	2 56	6 31	1 1	9 43	0 49	12 29	1 13	2 17	2 33	23 42	0 20	17 50	1 41	22 45	14 42	17 48	17 35	2 48	12 12	0 34
S 10	21 1	20 7	1 37	20 41	2 47	6 4	1 9	9 26	0 48	12 31	1 13	2 17	2 34	23 42	0 20	17 50	1 41	22 45	14 42	17 48	17 36	2 46	12 13	0 34
S 11	20 49	18 39	0 28	20 51	2 37	5 37	1 17	9 8	0 47	12 33	1 13	2 17	2 34	23 41	0 20	17 49	1 41	22 44	14 42	17 49	17 37	2 44	12 14	0 34
M12	20 37	16 19	0n41	21 0	2 27	5 11	1 26	8 50	0 46	12 35	1 13	2 16	2 34	23 41	0 20	17 49	1 41	22 43	14 42	17 49	17 38	2 42	12 15	0 33
T 13	20 24	13 17	1 47	21 10	2 16	4 44	1 35	8 32	0 46	12 37	1 13	2 16	2 35	23 41	0 20	17 49	1 41	22 43	14 41	17 48	17 38	2 40	12 16	0 33
W14	20 12	9 44	2 47	21 20	2 5	4 18	1 43	8 14	0 45	12 38	1 13	2 16	2 35	23 41	0 20	17 49	1 41	22 42	14 41	17 48	17 39	2 37	12 16	0 33
T 15	19 58	5 51	3 39	21 29	1 54	3 52	1 52	7 55	0 44	12 40	1 14	2 16	2 35	23 41	0 20	17 49	1 41	22 41	14 41	17 48	17 40	2 35	12 17	0 33
F 16	19 45	1 46	4 22	21 38	1 43	3 26	2 1	7 37	0 43	12 42	1 14	2 15	2 35	23 40	0 20	17 49	1 41	22 41	14 41	17 48	17 41	2 33	12 18	0 33
S 17	19 31	2s22	4 53	21 47	1 32	3 0	2 11	7 19	0 42	12 43	1 14	2 15	2 36	23 40	0 20	17 49	1 41	22 40	14 41	17 47	17 42	2 31	12 18	0 32
S 18	19 16	6 26	5 12	21 55	1 21	2 35	2 20	7 1	0 42	12 45	1 14	2 15	2 36	23 40	0 20	17 49	1 41	22 39	14 41	17 47	17 43	2 29	12 19	0 32
M19	19 2	10 18	5 17	22 2	1 11	2 9	2 30	6 42	0 41	12 47	1 14	2 14	2 36	23 40	0 20	17 49	1 41	22 39	14 40	17 47	17 44	2 27	12 20	0 32
T 20	18 47	13 48	5 9	22 9	1 0	1 44	2 39	6 24	0 40	12 48	1 14	2 14	2 37	23 40	0 20	17 49	1 41	22 38	14 40	17 47	17 45	2 24	12 20	0 32
W21	18 31	16 47	4 45	22 14	0 50	1 20	2 49	6 5	0 39	12 49	1 15	2 13	2 37	23 40	0 20	17 49	1 41	22 37	14 40	17 47	17 45	2 22	12 21	0 31
T 22	18 16	19 1	4 7	22 19	0 39	0 55	2 59	5 47	0 39	12 51	1 15	2 13	2 37	23 39	0 20	17 49	1 41	22 37	14 40	17 48	17 46	2 20	12 21	0 31
F 23	18 0	20 18	3 14	22 23	0 29	0 31	3 9	5 28	0 38	12 52	1 15	2 12	2 37	23 39	0 20	17 49	1 41	22 36	14 40	17 48	17 47	2 18	12 21	0 31
S 24	17 43	20 26	2 9	22 26	0 19	0 8	3 20	5 10	0 37	12 53	1 15	2 11	2 38	23 39	0 20	17 49	1 40	22 35	14 40	17 48	17 48	2 16	12 22	0 31
S 25	17 27	19 18	0 54	22 28	0 10	0n15	3 30	4 51	0 36	12 54	1 15	2 11	2 38	23 39	0 20	17 49	1 40	22 35	14 40	17 48	17 49	2 13	12 22	0 30
M26	17 10	16 54	0s25	22 29	0 1	0 38	3 41	4 33	0 36	12 56	1 15	2 10	2 38	23 39	0 20	17 49	1 40	22 34	14 39	17 48	17 50	2 11	12 22	0 30
T 27	16 52	13 23	1 45	22 29	0s 8	1 0	3 51	4 14	0 35	12 57	1 16	2 9	2 38	23 39	0 20	17 49	1 40	22 33	14 39	17 48	17 51	2 9	12 22	0 30
W28	16 35	9 1	2 58	22 27	0 17	1 22	4 2	3 56	0 34	12 58	1 16	2 9	2 39	23 38	0 20	17 49	1 40	22 33	14 39	17 48	17 51	2 7	12 23	0 30
T 29	16 17	4 6	3 59	22 25	0 26	1 43	4 13	3 37	0 33	12 59	1 16	2 8	2 39	23 38	0 20	17 49	1 40	22 32	14 39	17 48	17 52	2 5	12 23	0 29
F 30	15 59	1n 0	4 44	22 21	0 34	2 4	4 24	3 18	0 33	12 59	1 16	2 7	2 39	23 38	0 20	17 49	1 40	22 31	14 39	17 48	17 53	2 2	12 23	0 29
S 31	15s41	5n58	5s10	22s16	0s42	2n24	4n35	3s 0	0s32	13s 0	1n16	2s 6	2n39	23s38	0s20	17n49	1s40	22s31	14s39	17n48	17n54	2n 0	12s23	0s29

Julian Day Number = 2111510.5, Delta T = 19m29s
Ecliptic obliquity = 23°33'29, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°45'44, Lahiri = 10°52'45 Julian Calendar 1 Jan. 1069 == Greg. Calendar 7 Jan. 1069

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1069
geocentric

FEBRUARY 1069 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 7 47	18♒28'13	12♉ 8	24♋21	25♓52	24♓28	7♏56	11°R24	8♋27	26♉23	7♓ 2	10°D 5	9♌41	4♎46	1♏10	S 1
M 2	9 11 43	19°28'38	26° 1	25°42	26°13	25°13	7°59	11♎22	8°30	26°23	7° 3	10♌ 5	9°38	4°53	1°10	M 2
T 3	9 15 40	20°29'01	9♊36	27° 4	26°32	25°58	8° 1	11°20	8°33	26°23	7° 5	10° 6	9°35	5° 0	1°11	T 3
W 4	9 19 37	21°29'22	22°55	28°27	26°49	26°43	8° 4	11°18	8°36	26°23	7° 6	10° 7	9°32	5° 6	1°11	W 4
T 5	9 23 33	22°29'40	5♋57	29°51	27° 4	27°28	8° 6	11°16	8°38	26°24	7° 8	10° 8	9°28	5°13	1°11	T 5
F 6	9 27 30	23°29'57	18°45	1♒17	27°16	28°13	8° 8	11°14	8°41	26°24	7° 9	10° 9	9°25	5°20	1°11	F 6
S 7	9 31 26	24°30'12	1♌20	2°44	27°27	28°58	8°10	11°11	8°44	26°24	7°11	10°10	9°22	5°27	1°R11	S 7
S 8	9 35 23	25°30'25	13°45	4°12	27°35	29°42	8°11	11° 9	8°47	26°24	7°12	10°R10	9°19	5°33	1°11	S 8
M 9	9 39 19	26°30'36	25°59	5°41	27°41	0♈27	8°13	11° 6	8°49	26°25	7°14	10° 9	9°16	5°40	1°11	M 9
T 10	9 43 16	27°30'45	8♍ 5	7°11	27°45	1°12	8°14	11° 4	8°52	26°25	7°16	10° 8	9°12	5°47	1°11	T 10
W11	9 47 12	28°30'53	20° 4	8°43	27°R46	1°56	8°15	11° 1	8°55	26°25	7°17	10° 5	9° 9	5°53	1°10	W11
T 12	9 51 9	29°30'58	1♎58	10°15	27°45	2°41	8°16	10°58	8°57	26°26	7°19	10° 2	9° 6	6° 0	1°10	T 12
F 13	9 55 6	0♓31'02	13°49	11°49	27°41	3°26	8°17	10°55	9° 0	26°26	7°20	9°59	9° 3	6° 7	1° 9	F 13
S 14	9 59 2	1°31'04	25°41	13°24	27°35	4°10	8°17	10°52	9° 2	26°27	7°22	9°55	9° 0	6°13	1° 8	S 14
S 15	10 2 59	2°31'04	7♏35	15° 0	27°26	4°55	8°17	10°49	9° 5	26°27	7°23	9°52	8°57	6°20	1° 8	S 15
M16	10 6 55	3°31'03	19°37	16°37	27°15	5°39	8°R17	10°46	9° 7	26°28	7°25	9°50	8°53	6°27	1° 7	M16
T 17	10 10 52	4°31'00	1♐51	18°15	27° 1	6°23	8°17	10°43	9°10	26°28	7°26	9°D50	8°50	6°34	1° 5	T 17
W18	10 14 48	5°30'55	14°20	19°54	26°45	7° 8	8°17	10°40	9°12	26°29	7°28	9°50	8°47	6°40	1° 4	W18
T 19	10 18 45	6°30'49	27°10	21°35	26°27	7°52	8°17	10°37	9°14	26°30	7°30	9°51	8°44	6°47	1° 3	T 19
F 20	10 22 41	7°30'40	10♑24	23°16	26° 6	8°36	8°16	10°33	9°17	26°30	7°31	9°53	8°41	6°54	1° 1	F 20
S 21	10 26 38	8°30'31	24° 4	24°59	25°42	9°21	8°15	10°30	9°19	26°31	7°33	9°54	8°37	7° 0	1° 0	S 21
S 22	10 30 35	9°30'19	8♒12	26°43	25°17	10° 5	8°14	10°26	9°21	26°32	7°34	9°R55	8°34	7° 7	0°58	S 22
M23	10 34 31	10°30'06	22°45	28°28	24°50	10°49	8°13	10°22	9°23	26°33	7°36	9°54	8°31	7°14	0°57	M23
T 24	10 38 28	11°29'50	7♓38	0♓14	24°20	11°33	8°12	10°19	9°25	26°33	7°37	9°52	8°28	7°20	0°55	T 24
W25	10 42 24	12°29'32	22°44	2° 2	23°49	12°17	8°10	10°15	9°27	26°34	7°39	9°49	8°25	7°27	0°53	W25
T 26	10 46 21	13°29'13	7♈54	3°51	23°16	13° 1	8° 8	10°11	9°29	26°35	7°41	9°44	8°22	7°34	0°51	T 26
F 27	10 50 17	14°28'51	22°56	5°40	22°42	13°45	8° 6	10° 7	9°31	26°36	7°42	9°39	8°18	7°41	0°49	F 27
S 28	10 54 14	15♓28'27	7♉44	7♓32	22♓ 7	14♈29	8♏ 4	10♎ 3	9♋33	26♉37	7♓44	9♌34	8♌15	7♎47	0♏46	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s22	10n31	5s17	22s10	0s50	2n43	4n46	2s41	0s31	13s 1	1n17	2s 5	2n40	23s38	0s20	17n49	1s40	22s30	14s39	17n48	17n55	1n58	12s23	0s29
M 2	15 3	14 25	5 5	22 3	0 57	3 2	4 57	2 22	0 30	13 2	1 17	2 4	2 40	23 37	0 20	17 49	1 40	22 29	14 39	17 48	17 56	1 56	12 23	0 28
T 3	14 44	17 27	4 36	21 54	1 4	3 19	5 8	2 4	0 29	13 2	1 17	2 3	2 40	23 37	0 20	17 49	1 40	22 29	14 39	17 48	17 57	1 54	12 23	0 28
W 4	14 25	19 29	3 53	21 44	1 11	3 37	5 20	1 45	0 29	13 3	1 17	2 2	2 40	23 37	0 21	17 50	1 40	22 28	14 39	17 48	17 57	1 51	12 23	0 28
T 5	14 5	20 27	2 58	21 32	1 17	3 53	5 31	1 26	0 28	13 3	1 17	2 1	2 41	23 37	0 21	17 50	1 40	22 27	14 38	17 48	17 58	1 49	12 23	0 28
F 6	13 45	20 20	1 56	21 19	1 23	4 8	5 42	1 8	0 27	13 4	1 17	2 0	2 41	23 37	0 21	17 50	1 40	22 27	14 38	17 47	17 59	1 47	12 22	0 27
S 7	13 25	19 10	0 49	21 5	1 29	4 23	5 53	0 49	0 26	13 4	1 18	1 59	2 41	23 37	0 21	17 50	1 40	22 26	14 38	17 47	18 0	1 45	12 22	0 27
S 8	13 5	17 6	0n20	20 50	1 34	4 36	6 4	0 31	0 26	13 5	1 18	1 58	2 41	23 37	0 21	17 50	1 40	22 25	14 38	17 47	18 1	1 43	12 22	0 27
M 9	12 44	14 16	1 26	20 33	1 39	4 49	6 16	0 12	0 25	13 5	1 18	1 56	2 42	23 36	0 21	17 50	1 39	22 25	14 38	17 47	18 2	1 40	12 22	0 27
T 10	12 24	10 52	2 28	20 15	1 44	5 0	6 26	0n 6	0 24	13 5	1 18	1 55	2 42	23 36	0 21	17 50	1 39	22 24	14 38	17 48	18 2	1 38	12 21	0 26
W11	12 3	7 4	3 23	19 55	1 48	5 11	6 37	0 25	0 23	13 5	1 18	1 54	2 42	23 36	0 21	17 50	1 39	22 24	14 38	17 48	18 3	1 36	12 21	0 26
T 12	11 42	3 0	4 8	19 34	1 52	5 20	6 48	0 44	0 23	13 5	1 19	1 53	2 42	23 36	0 21	17 51	1 39	22 23	14 38	17 49	18 4	1 34	12 20	0 26
F 13	11 21	1s 8	4 43	19 11	1 56	5 28	6 58	1 2	0 22	13 6	1 19	1 51	2 42	23 36	0 21	17 51	1 39	22 22	14 38	17 50	18 5	1 32	12 20	0 26
S 14	10 59	5 14	5 5	18 47	1 59	5 35	7 8	1 20	0 21	13 6	1 19	1 50	2 43	23 36	0 21	17 51	1 39	22 22	14 38	17 51	18 6	1 29	12 19	0 25
S 15	10 38	9 9	5 14	18 22	2 2	5 40	7 18	1 39	0 20	13 5	1 19	1 48	2 43	23 35	0 21	17 51	1 39	22 21	14 38	17 52	18 7	1 27	12 19	0 25
M16	10 16	12 45	5 10	17 55	2 4	5 44	7 28	1 57	0 20	13 5	1 19	1 47	2 43	23 35	0 21	17 51	1 39	22 20	14 38	17 52	18 8	1 25	12 18	0 25
T 17	9 54	15 52	4 52	17 26	2 7	5 47	7 37	2 16	0 19	13 5	1 19	1 46	2 43	23 35	0 21	17 51	1 39	22 20	14 38	17 53	18 8	1 23	12 18	0 25
W18	9 32	18 20	4 19	16 57	2 8	5 49	7 45	2 34	0 18	13 5	1 20	1 44	2 44	23 35	0 21	17 52	1 39	22 19	14 38	17 52	18 9	1 21	12 17	0 24
T 19	9 10	19 58	3 34	16 25	2 9	5 49	7 53	2 52	0 18	13 5	1 20	1 43	2 44	23 35	0 21	17 52	1 39	22 19	14 38	17 52	18 10	1 18	12 16	0 24
F 20	8 48	20 34	2 35	15 53	2 10	5 47	8 1	3 10	0 17	13 4	1 20	1 41	2 44	23 35	0 21	17 52	1 39	22 18	14 38	17 52	18 11	1 16	12 15	0 24
S 21	8 25	20 0	1 26	15 18	2 11	5 44	8 8	3 28	0 16	13 4	1 20	1 40	2 44	23 35	0 21	17 52	1 39	22 18	14 38	17 51	18 12	1 14	12 15	0 23
S 22	8 3	18 9	0 9	14 43	2 10	5 40	8 14	3 47	0 15	13 3	1 20	1 38	2 44	23 34	0 21	17 53	1 39	22 17	14 38	17 51	18 13	1 12	12 14	0 23
M23	7 40	15 6	1s10	14 6	2 10	5 34	8 19	4 5	0 15	13 3	1 21	1 37	2 44	23 34	0 21	17 53	1 39	22 16	14 38	17 51	18 13	1 9	12 13	0 23
T 24	7 17	11 0	2 26	13 27	2 9	5 27	8 24	4 23	0 14	13 2	1 21	1 35	2 45	23 34	0 21	17 53	1 39	22 16	14 38	17 52	18 14	1 7	12 12	0 23
W25	6 54	6 9	3 33	12 47	2 7	5 18	8 28	4 41	0 13	13 1	1 21	1 33	2 45	23 34	0 21	17 53	1 39	22 15	14 38	17 53	18 15	1 5	12 11	0 22
T 26	6 31	0 55	4 25	12 6	2 5	5 8	8 31	4 58	0 12	13 1	1 21	1 32	2 45	23 34	0 21	17 54	1 38	22 15	14 38	17 54	18 16	1 3	12 10	0 22
F 27	6 8	4n21	4 58	11 23	2 3	4 57	8 34	5 16	0 12	13 0	1 21	1 30	2 45	23 34	0 21	17 54	1 38	22 14	14 38	17 55	18 17	1 0	12 9	0 22
S 28	5s45	9n15	5s11	10s38	2s 0	4n44	8n35	5n34	0s11	12s59	1n21	1s28	2n45	23s34	0s21	17n54	1s38	22s14	14s39	17n57	18n18	0n58	12s 8	0s21

Julian Day Number = 2111541.5, Delta T = 19m29s
Ecliptic obliquity = 23°33'30, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°45'49, Lahiri = 10°52'49 Julian Calendar 1 Feb. 1069 == Greg. Calendar 7 Feb. 1069

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1069
geocentric

MARCH 1069 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 58 10	16♓28'00	22♉10	9♓24	21°R30	15♈13	8°R 2	9°R59	9♑35	26♉38	7♓45	9°R30	8♌12	7♎54	0°R44	S 1
M 2	11 2 7	17°27'32	6♊11	11°18	20♓53	15°57	7♏59	9♎55	9°37	26°39	7°47	9♌28	8° 9	8° 1	0♏42	M 2
T 3	11 6 3	18°27'01	19°46	13°13	20°16	16°41	7°57	9°51	9°39	26°40	7°48	9°D28	8° 6	8° 7	0°39	T 3
W 4	11 10 0	19°26'27	2♋58	15° 9	19°38	17°24	7°54	9°47	9°41	26°41	7°50	9°28	8° 3	8°14	0°36	W 4
T 5	11 13 57	20°25'51	15°49	17° 6	19° 0	18° 8	7°51	9°43	9°42	26°42	7°51	9°30	7°59	8°21	0°34	T 5
F 6	11 17 53	21°25'13	28°23	19° 5	18°22	18°52	7°48	9°39	9°44	26°43	7°53	9°31	7°56	8°27	0°31	F 6
S 7	11 21 50	22°24'33	10♌43	21° 4	17°45	19°35	7°44	9°35	9°46	26°45	7°55	9°R32	7°53	8°34	0°28	S 7
S 8	11 25 46	23°23'50	22°53	23° 5	17° 9	20°19	7°41	9°30	9°47	26°46	7°56	9°31	7°50	8°41	0°25	S 8
M 9	11 29 43	24°23'05	4♍55	25° 6	16°33	21° 2	7°37	9°26	9°49	26°47	7°58	9°28	7°47	8°48	0°22	M 9
T 10	11 33 39	25°22'18	16°52	27° 8	15°59	21°46	7°33	9°22	9°50	26°48	7°59	9°22	7°43	8°54	0°19	T 10
W11	11 37 36	26°21'28	28°45	29°11	15°26	22°29	7°29	9°17	9°52	26°49	8° 1	9°15	7°40	9° 1	0°16	W11
T 12	11 41 32	27°20'37	10♎37	1♈14	14°55	23°12	7°25	9°13	9°53	26°51	8° 2	9° 6	7°37	9° 8	0°12	T 12
F 13	11 45 29	28°19'43	22°29	3°18	14°26	23°56	7°21	9° 8	9°54	26°52	8° 4	8°57	7°34	9°14	0° 9	F 13
S 14	11 49 26	29°18'48	4♏23	5°22	13°58	24°39	7°16	9° 4	9°56	26°53	8° 5	8°47	7°31	9°21	0° 6	S 14
S 15	11 53 22	0♈17'50	16°20	7°25	13°33	25°22	7°11	8°59	9°57	26°55	8° 7	8°38	7°28	9°28	0° 2	S 15
M16	11 57 19	1°16'51	28°24	9°29	13°10	26° 5	7° 7	8°55	9°58	26°56	8° 8	8°32	7°24	9°35	29♎58	M16
T 17	12 1 15	2°15'50	10♐38	11°31	12°49	26°48	7° 2	8°50	9°59	26°58	8° 9	8°27	7°21	9°41	29°55	T 17
W18	12 5 12	3°14'47	23° 5	13°32	12°30	27°31	6°56	8°46	10° 0	26°59	8°11	8°24	7°18	9°48	29°51	W18
T 19	12 9 8	4°13'43	5♑50	15°32	12°14	28°14	6°51	8°41	10° 2	27° 1	8°12	8°D24	7°15	9°55	29°47	T 19
F 20	12 13 5	5°12'36	18°56	17°30	12° 1	28°57	6°46	8°36	10° 3	27° 2	8°14	8°24	7°12	10° 1	29°43	F 20
S 21	12 17 1	6°11'28	2♒28	19°26	11°49	29°40	6°40	8°32	10° 4	27° 4	8°15	8°R25	7° 9	10° 8	29°40	S 21
S 22	12 20 58	7°10'18	16°27	21°19	11°41	0♉23	6°34	8°27	10° 4	27° 5	8°17	8°25	7° 5	10°15	29°36	S 22
M23	12 24 55	8° 9'07	0♓54	23° 9	11°35	1° 6	6°29	8°23	10° 5	27° 7	8°18	8°23	7° 2	10°21	29°32	M23
T 24	12 28 51	9° 7'53	15°46	24°57	11°31	1°49	6°23	8°18	10° 6	27° 8	8°19	8°19	6°59	10°28	29°27	T 24
W25	12 32 48	10° 6'37	0♈56	26°40	11°D29	2°32	6°17	8°13	10° 7	27°10	8°21	8°12	6°56	10°35	29°23	W25
T 26	12 36 44	11° 5'20	16°14	28°20	11°30	3°14	6°10	8° 9	10° 8	27°12	8°22	8° 3	6°53	10°42	29°19	T 26
F 27	12 40 41	12° 4'01	1♉31	29°56	11°34	3°57	6° 4	8° 4	10° 8	27°13	8°23	7°54	6°49	10°48	29°15	F 27
S 28	12 44 37	13° 2'39	16°33	1♉28	11°39	4°40	5°58	8° 0	10° 9	27°15	8°25	7°44	6°46	10°55	29°11	S 28
S 29	12 48 34	14° 1'15	1♊14	2°55	11°47	5°22	5°51	7°55	10° 9	27°17	8°26	7°37	6°43	11° 2	29° 6	S 29
M30	12 52 30	14°59'50	15°26	4°17	11°57	6° 5	5°45	7°51	10°10	27°19	8°27	7°31	6°40	11° 8	29° 2	M30
T 31	12 56 27	15♈58'22	29♊10	5♉35	12♓ 9	6♉47	5♏38	7♎46	10♑10	27♉20	8♓29	7♌28	6♌37	11♎15	28♎58	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s22	13n30	5s 4	9s53	1s56	4n30	8n35	5n52	0s10	12s58	1n22	1s27	2n45	23s34	0s21	17n54	1s38	22s13	14s39	17n58	18n18	0n56	12s 7	0s21
M 2	4 59	16 52	4 38	9 6	1 52	4 15	8 35	6 9	0 10	12 57	1 22	1 25	2 46	23 33	0 21	17 55	1 38	22 13	14 39	17 58	18 19	0 54	12 6	0 21
T 3	4 35	19 13	3 58	8 17	1 48	3 59	8 33	6 27	0 9	12 56	1 22	1 23	2 46	23 33	0 21	17 55	1 38	22 12	14 39	17 58	18 20	0 52	12 5	0 21
W 4	4 12	20 26	3 6	7 27	1 43	3 42	8 31	6 44	0 8	12 55	1 22	1 21	2 46	23 33	0 21	17 55	1 38	22 11	14 39	17 58	18 21	0 49	12 3	0 20
T 5	3 49	20 33	2 5	6 36	1 37	3 24	8 28	7 2	0 8	12 54	1 22	1 20	2 46	23 33	0 21	17 56	1 38	22 11	14 39	17 58	18 22	0 47	12 2	0 20
F 6	3 25	19 36	1 0	5 44	1 31	3 6	8 23	7 19	0 7	12 53	1 22	1 18	2 46	23 33	0 21	17 56	1 38	22 10	14 39	17 57	18 22	0 45	12 1	0 20
S 7	3 2	17 44	0n 6	4 51	1 24	2 46	8 18	7 36	0 6	12 52	1 22	1 16	2 46	23 33	0 21	17 56	1 38	22 10	14 39	17 57	18 23	0 43	12 0	0 19
S 8	2 38	15 5	1 12	3 56	1 17	2 27	8 12	7 53	0 5	12 50	1 23	1 14	2 46	23 33	0 21	17 57	1 38	22 9	14 39	17 58	18 24	0 40	11 58	0 19
M 9	2 14	11 49	2 13	3 1	1 9	2 7	8 5	8 11	0 5	12 49	1 23	1 12	2 46	23 33	0 21	17 57	1 38	22 9	14 39	17 58	18 25	0 38	11 57	0 19
T 10	1 51	8 6	3 8	2 4	1 1	1 46	7 57	8 28	0 4	12 48	1 23	1 11	2 46	23 33	0 21	17 57	1 38	22 8	14 39	18 0	18 26	0 36	11 56	0 19
W11	1 27	4 4	3 54	1 7	0 52	1 26	7 49	8 44	0 3	12 46	1 23	1 9	2 47	23 33	0 21	17 58	1 38	22 8	14 40	18 2	18 27	0 34	11 54	0 18
T 12	1 4	0s 5	4 30	0 9	0 43	1 6	7 40	9 1	0 3	12 45	1 23	1 7	2 47	23 33	0 21	17 58	1 38	22 8	14 40	18 4	18 27	0 31	11 53	0 18
F 13	0 40	4 15	4 54	0n49	0 33	0 45	7 30	9 18	0 2	12 43	1 23	1 5	2 47	23 32	0 21	17 58	1 38	22 7	14 40	18 7	18 28	0 29	11 51	0 18
S 14	0 16	8 15	5 5	1 48	0 23	0 25	7 19	9 35	0 1	12 42	1 23	1 3	2 47	23 32	0 21	17 59	1 38	22 7	14 40	18 9	18 29	0 27	11 50	0 17
S 15	0n 7	11 57	5 4	2 46	0 12	0 6	7 8	9 51	0 1	12 40	1 23	1 2	2 47	23 32	0 21	17 59	1 37	22 6	14 40	18 11	18 30	0 25	11 48	0 17
M16	0 31	15 13	4 48	3 45	0 1	0s14	6 57	10 7	0n 0	12 38	1 24	1 0	2 47	23 32	0 21	17 59	1 37	22 6	14 40	18 13	18 31	0 22	11 47	0 17
T 17	0 54	17 52	4 20	4 44	0n10	0 33	6 45	10 24	0 1	12 37	1 24	0 58	2 47	23 32	0 21	18 0	1 37	22 5	14 40	18 14	18 31	0 20	11 45	0 16
W18	1 18	19 44	3 38	5 42	0 21	0 51	6 33	10 40	0 1	12 35	1 24	0 56	2 47	23 32	0 21	18 0	1 37	22 5	14 41	18 15	18 32	0 18	11 44	0 16
T 19	1 41	20 40	2 45	6 39	0 33	1 8	6 21	10 56	0 2	12 33	1 24	0 54	2 47	23 32	0 22	18 1	1 37	22 5	14 41	18 15	18 33	0 16	11 42	0 16
F 20	2 5	20 31	1 42	7 35	0 44	1 25	6 8	11 12	0 3	12 31	1 24	0 52	2 47	23 32	0 22	18 1	1 37	22 4	14 41	18 15	18 34	0 13	11 40	0 15
S 21	2 28	19 11	0 32	8 30	0 56	1 41	5 55	11 28	0 3	12 29	1 24	0 50	2 47	23 32	0 22	18 1	1 37	22 4	14 41	18 15	18 35	0 11	11 39	0 15
S 22	2 52	16 40	0s43	9 23	1 7	1 56	5 42	11 44	0 4	12 27	1 24	0 49	2 47	23 32	0 22	18 2	1 37	22 3	14 41	18 15	18 36	0 9	11 37	0 15
M23	3 15	13 2	1 57	10 15	1 18	2 11	5 29	11 59	0 5	12 25	1 24	0 47	2 47	23 32	0 22	18 2	1 37	22 3	14 41	18 15	18 36	0 6	11 35	0 15
T 24	3 38	8 29	3 6	11 5	1 29	2 24	5 16	12 15	0 5	12 23	1 24	0 45	2 47	23 32	0 22	18 3	1 37	22 3	14 42	18 17	18 37	0 4	11 33	0 14
W25	4 1	3 20	4 2	11 53	1 40	2 37	5 3	12 30	0 6	12 21	1 24	0 43	2 47	23 32	0 22	18 3	1 37	22 2	14 42	18 18	18 38	0 2	11 32	0 14
T 26	4 25	2n 5	4 42	12 39	1 50	2 49	4 50	12 45	0 7	12 19	1 24	0 41	2 47	23 32	0 22	18 3	1 37	22 2	14 42	18 21	18 39	0s 0	11 30	0 14
F 27	4 48	7 21	5 2	13 22	1 59	3 0	4 37	13 1	0 7	12 17	1 25	0 39	2 47	23 32	0 22	18 4	1 37	22 2	14 42	18 23	18 40	0 3	11 28	0 13
S 28	5 11	12 5	5 0	14 3	2 8	3 9	4 24	13 16	0 8	12 15	1 25	0 38	2 47	23 32	0 22	18 4	1 37	22 1	14 42	18 26	18 40	0 5	11 26	0 13
S 29	5 33	15 58	4 38	14 41	2 17	3 18	4 11	13 31	0 9	12 12	1 25	0 36	2 47	23 32	0 22	18 5	1 37	22 1	14 43	18 28	18 41	0 7	11 24	0 13
M30	5 56	18 47	4 0	15 16	2 24	3 26	3 59	13 45	0 9	12 10	1 25	0 34	2 47	23 32	0 22	18 5	1 37	22 1	14 43	18 29	18 42	0 9	11 23	0 12
T 31	6n19	20n25	3s 9	15n49	2n31	3s33	3n46	14n 0	0n10	12s 8	1n25	0s32	2n47	23s32	0s22	18n 6	1s37	22s 0	14s43	18n30	18n43	0s12	11s21	0s12

Julian Day Number = 2111569.5, Delta T = 19m28s
Ecliptic obliquity = 23°33'31, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°45'53, Lahiri = 10°52'53 Julian Calendar 1 March 1069 == Greg. Calendar 7 March 1069

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1069
geocentric

APRIL 1069 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 0 23	16♈56'51	12♋25	6♉47	12♓23	7♉29	5°R31	7°R42	10♑11	27♉22	8♓30	7°D26	6♌34	11♎22	28°R53	W 1
T 2	13 4 20	17°55'19	25°15	7°55	12°39	8°12	5♏24	7♎37	10°11	27°24	8°31	7♌26	6°30	11°29	28♎49	T 2
F 3	13 8 17	18°53'44	7♌44	8°57	12°57	8°54	5°17	7°33	10°11	27°26	8°33	7°R27	6°27	11°35	28°44	F 3
S 4	13 12 13	19°52'07	19°58	9°54	13°17	9°36	5°10	7°28	10°12	27°28	8°34	7°26	6°24	11°42	28°40	S 4
S 5	13 16 10	20°50'28	2♍ 0	10°46	13°39	10°19	5° 3	7°24	10°12	27°29	8°35	7°24	6°21	11°49	28°35	S 5
M 6	13 20 6	21°48'47	13°55	11°32	14° 2	11° 1	4°56	7°19	10°12	27°31	8°36	7°18	6°18	11°55	28°31	M 6
T 7	13 24 3	22°47'04	25°47	12°13	14°27	11°43	4°48	7°15	10°12	27°33	8°37	7°11	6°14	12° 2	28°26	T 7
W 8	13 27 59	23°45'19	7♎38	12°49	14°54	12°25	4°41	7°11	10°R12	27°35	8°39	7° 0	6°11	12° 9	28°22	W 8
T 9	13 31 56	24°43'32	19°30	13°18	15°23	13° 7	4°34	7° 6	10°12	27°37	8°40	6°47	6° 8	12°16	28°17	T 9
F 10	13 35 52	25°41'43	1♏24	13°42	15°52	13°49	4°26	7° 2	10°12	27°39	8°41	6°34	6° 5	12°22	28°13	F 10
S 11	13 39 49	26°39'53	13°23	14° 1	16°24	14°31	4°19	6°58	10°12	27°41	8°42	6°20	6° 2	12°29	28° 8	S 11
S 12	13 43 46	27°38'01	25°27	14°14	16°56	15°13	4°11	6°54	10°12	27°43	8°43	6° 8	5°59	12°36	28° 3	S 12
M13	13 47 42	28°36'07	7♐39	14°22	17°31	15°55	4° 4	6°50	10°12	27°45	8°44	5°57	5°55	12°42	27°59	M13
T 14	13 51 39	29°34'12	19°59	14°R24	18° 6	16°37	3°56	6°46	10°11	27°47	8°45	5°50	5°52	12°49	27°54	T 14
W15	13 55 35	0♑32'15	2♑30	14°21	18°43	17°18	3°48	6°42	10°11	27°49	8°47	5°45	5°49	12°56	27°50	W15
T 16	13 59 32	1°30'17	15°16	14°14	19°20	18° 0	3°41	6°38	10°11	27°51	8°48	5°42	5°46	13° 3	27°45	T 16
F 17	14 3 28	2°28'17	28°20	14° 1	19°59	18°42	3°33	6°34	10°10	27°53	8°49	5°42	5°43	13° 9	27°41	F 17
S 18	14 7 25	3°26'16	11♒46	13°44	20°39	19°23	3°26	6°30	10°10	27°55	8°50	5°42	5°40	13°16	27°36	S 18
S 19	14 11 21	4°24'14	25°35	13°23	21°21	20° 5	3°18	6°26	10° 9	27°57	8°51	5°41	5°36	13°23	27°32	S 19
M20	14 15 18	5°22'10	9♓50	12°58	22° 3	20°46	3°10	6°22	10° 9	27°59	8°52	5°39	5°33	13°29	27°27	M20
T 21	14 19 15	6°20'05	24°29	12°30	22°46	21°28	3° 3	6°19	10° 8	28° 1	8°53	5°33	5°30	13°36	27°23	T 21
W22	14 23 11	7°17'59	9♈27	12° 0	23°30	22° 9	2°55	6°15	10° 8	28° 4	8°53	5°26	5°27	13°43	27°18	W22
T 23	14 27 8	8°15'51	24°37	11°27	24°15	22°51	2°47	6°11	10° 7	28° 6	8°54	5°16	5°24	13°49	27°14	T 23
F 24	14 31 4	9°13'42	9♉49	10°53	25° 1	23°32	2°40	6° 8	10° 6	28° 8	8°55	5° 5	5°20	13°56	27° 9	F 24
S 25	14 35 1	10°11'31	24°52	10°17	25°47	24°14	2°32	6° 4	10° 5	28°10	8°56	4°54	5°17	14° 3	27° 5	S 25
S 26	14 38 57	11° 9'19	9♊37	9°42	26°35	24°55	2°25	6° 1	10° 5	28°12	8°57	4°45	5°14	14°10	27° 0	S 26
M27	14 42 54	12° 7'06	23°56	9° 7	27°23	25°36	2°17	5°58	10° 4	28°14	8°58	4°38	5°11	14°16	26°56	M27
T 28	14 46 50	13° 4'51	7♋45	8°32	28°12	26°17	2°10	5°55	10° 3	28°17	8°59	4°33	5° 8	14°23	26°52	T 28
W29	14 50 47	14° 2'34	21° 6	8° 0	29° 2	26°59	2° 3	5°52	10° 2	28°19	9° 0	4°31	5° 5	14°30	26°48	W29
T 30	14 54 44	15♉ 0'15	4♌ 0	7♉29	29♓52	27♉40	1♏55	5♎48	10♑ 1	28♉21	9♓ 0	4°D30	5♌ 1	14♎37	26♎43	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	6n41	20n50	2s 9	16n19	2n37	3s39	3n34	14n15	0n10	12s 6	1n25	0s31	2n47	23s32	0s22	18n 6	1s37	22s 0	14s43	18n30	18n44	0s14	11s19	0s12
T 2	7 4	18 8	1 4	16 46	2 42	3 45	3 21	14 29	0 11	12 3	1 25	0 29	2 47	23 32	0 22	18 6	1 37	22 0	14 44	18 30	18 44	0 16	11 17	0 11
F 3	7 26	18 27	0n 2	17 11	2 46	3 49	3 9	14 43	0 12	12 1	1 25	0 27	2 47	23 32	0 22	18 7	1 37	22 0	14 44	18 30	18 45	0 18	11 15	0 11
S 4	7 48	15 57	1 6	17 32	2 50	3 52	2 58	14 57	0 12	11 59	1 25	0 25	2 47	23 32	0 22	18 7	1 37	21 59	14 44	18 30	18 46	0 21	11 13	0 11
S 5	8 11	12 47	2 6	17 51	2 52	3 55	2 46	15 11	0 13	11 56	1 25	0 24	2 47	23 32	0 22	18 8	1 37	21 59	14 44	18 31	18 47	0 23	11 11	0 10
M 6	8 32	9 8	3 0	18 7	2 53	3 56	2 34	15 25	0 14	11 54	1 25	0 22	2 47	23 32	0 22	18 8	1 37	21 59	14 45	18 32	18 48	0 25	11 9	0 10
T 7	8 54	5 9	3 46	18 19	2 53	3 57	2 23	15 39	0 14	11 51	1 25	0 20	2 47	23 32	0 22	18 9	1 36	21 59	14 45	18 34	18 48	0 28	11 7	0 10
W 8	9 16	0 58	4 22	18 29	2 52	3 57	2 12	15 52	0 15	11 49	1 25	0 19	2 47	23 32	0 22	18 9	1 36	21 58	14 45	18 37	18 49	0 30	11 5	0 9
T 9	9 37	3s14	4 47	18 36	2 50	3 56	2 1	16 6	0 15	11 46	1 25	0 17	2 47	23 32	0 22	18 10	1 36	21 58	14 45	18 40	18 50	0 32	11 4	0 9
F 10	9 59	7 21	4 59	18 40	2 46	3 54	1 51	16 19	0 16	11 44	1 25	0 15	2 47	23 32	0 22	18 10	1 36	21 58	14 46	18 44	18 51	0 34	11 2	0 9
S 11	10 20	11 12	4 58	18 42	2 42	3 51	1 41	16 32	0 17	11 41	1 25	0 14	2 46	23 32	0 22	18 11	1 36	21 58	14 46	18 47	18 52	0 37	11 0	0 8
S 12	10 41	14 38	4 43	18 40	2 36	3 48	1 30	16 45	0 17	11 39	1 25	0 12	2 46	23 32	0 22	18 11	1 36	21 58	14 46	18 50	18 52	0 39	10 58	0 8
M13	11 2	17 29	4 16	18 35	2 29	3 43	1 21	16 58	0 18	11 36	1 25	0 11	2 46	23 32	0 22	18 12	1 36	21 57	14 46	18 53	18 53	0 41	10 56	0 8
T 14	11 23	19 35	3 36	18 28	2 20	3 38	1 11	17 11	0 18	11 34	1 25	0 9	2 46	23 32	0 22	18 12	1 36	21 57	14 47	18 55	18 54	0 44	10 54	0 7
W15	11 43	20 46	2 46	18 18	2 11	3 33	1 2	17 23	0 19	11 31	1 25	0 8	2 46	23 32	0 22	18 13	1 36	21 57	14 47	18 56	18 55	0 46	10 52	0 7
T 16	12 3	20 56	1 46	18 6	2 0	3 26	0 52	17 35	0 20	11 29	1 25	0 6	2 46	23 32	0 22	18 13	1 36	21 57	14 47	18 56	18 55	0 48	10 50	0 7
F 17	12 23	19 58	0 39	17 50	1 48	3 19	0 43	17 48	0 20	11 26	1 25	0 5	2 46	23 32	0 22	18 14	1 36	21 57	14 48	18 56	18 56	0 50	10 48	0 6
S 18	12 43	17 51	0s32	17 33	1 35	3 11	0 35	18 0	0 21	11 24	1 24	0 3	2 46	23 32	0 22	18 14	1 36	21 57	14 48	18 56	18 57	0 53	10 46	0 6
S 19	13 3	14 40	1 43	17 13	1 21	3 3	0 26	18 12	0 21	11 21	1 24	0 2	2 46	23 32	0 22	18 15	1 36	21 57	14 48	18 57	18 58	0 55	10 44	0 6
M20	13 23	10 32	2 50	16 52	1 6	2 54	0 18	18 23	0 22	11 19	1 24	0 1	2 45	23 32	0 22	18 15	1 36	21 56	14 48	18 57	18 59	0 57	10 42	0 5
T 21	13 42	5 41	3 47	16 28	0 51	2 44	0 10	18 35	0 22	11 16	1 24	0n 1	2 45	23 32	0 22	18 16	1 36	21 56	14 49	18 58	18 59	1 0	10 40	0 5
W22	14 1	0 23	4 30	16 3	0 34	2 34	0 2	18 46	0 23	11 14	1 24	0 2	2 45	23 33	0 22	18 16	1 36	21 56	14 49	19 0	19 0	1 2	10 38	0 5
T 23	14 20	5n 0	4 55	15 37	0 18	2 23	0s 5	18 57	0 23	11 11	1 24	0 3	2 45	23 33	0 22	18 17	1 36	21 56	14 49	19 3	19 1	1 4	10 36	0 4
F 24	14 38	10 6	4 59	15 10	0 0	2 11	0 13	19 8	0 24	11 9	1 24	0 4	2 45	23 33	0 22	18 17	1 36	21 56	14 50	19 5	19 2	1 7	10 34	0 4
S 25	14 57	14 31	4 43	14 43	0s17	1 59	0 20	19 19	0 25	11 6	1 24	0 6	2 45	23 33	0 22	18 18	1 36	21 56	14 50	19 8	19 2	1 9	10 33	0 4
S 26	15 15	17 56	4 7	14 15	0 34	1 47	0 27	19 30	0 25	11 4	1 24	0 7	2 45	23 33	0 23	18 18	1 36	21 56	14 50	19 10	19 3	1 11	10 31	0 4
M27	15 33	20 8	3 17	13 47	0 52	1 33	0 34	19 40	0 26	11 1	1 24	0 8	2 44	23 33	0 23	18 19	1 36	21 56	14 51	19 12	19 4	1 13	10 29	0 3
T 28	15 51	21 4	2 16	13 20	1 9	1 20	0 40	19 51	0 26	10 59	1 24	0 9	2 44	23 33	0 23	18 19	1 36	21 56	14 51	19 13	19 5	1 16	10 27	0 3
W29	16 8	20 44	1 10	12 54	1 25	1 6	0 46	20 1	0 27	10 56	1 23	0 10	2 44	23 33	0 23	18 20	1 36	21 56	14 51	19 14	19 6	1 18	10 25	0 3
T 30	16n25	19n18	0s 3	12n29	1s41	0s51	0s52	20n11	0n27	10s54	1n23	0n11	2n44	23s33	0s23	18n20	1s36	21s56	14s52	19n14	19n 6	1s20	10s23	0s 2

Julian Day Number = 2111600.5, Delta T = 19m28s
Ecliptic obliquity = 23°33'31, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°45'57, Lahiri = 10°52'57 Julian Calendar 1 Apr. 1069 == Greg. Calendar 7 Apr. 1069

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1069
geocentric

MAY 1069 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 58 40	15♉57'55	16♌31	7°R 1	0♈43	28♉21	1°R48	5°R46	10°R 0	28♉23	9♓ 1	4°R31	4♌58	14♎43	26°R39	F 1
S 2	15 2 37	16°55'33	28°45	6♉36	1°35	29° 2	1♏41	5♎43	9♑59	28°25	9° 2	4♌30	4°55	14°50	26♎35	S 2
S 3	15 6 33	17°53'10	10♍47	6°14	2°27	29°43	1°34	5°40	9°57	28°28	9° 3	4°28	4°52	14°57	26°31	S 3
M 4	15 10 30	18°50'45	22°40	5°56	3°20	0♊24	1°27	5°37	9°56	28°30	9° 3	4°24	4°49	15° 3	26°27	M 4
T 5	15 14 26	19°48'18	4♎31	5°41	4°13	1° 5	1°20	5°34	9°55	28°32	9° 4	4°17	4°46	15°10	26°23	T 5
W 6	15 18 23	20°45'50	16°22	5°31	5° 7	1°46	1°13	5°32	9°54	28°34	9° 5	4° 7	4°42	15°17	26°19	W 6
T 7	15 22 19	21°43'21	28°17	5°25	6° 1	2°26	1° 6	5°29	9°52	28°36	9° 5	3°56	4°39	15°24	26°16	T 7
F 8	15 26 16	22°40'51	10♏17	5°D24	6°56	3° 7	0°59	5°27	9°51	28°39	9° 6	3°43	4°36	15°30	26°12	F 8
S 9	15 30 12	23°38'19	22°23	5°27	7°52	3°48	0°53	5°25	9°50	28°41	9° 6	3°31	4°33	15°37	26° 8	S 9
S 10	15 34 9	24°35'47	4♐38	5°35	8°48	4°29	0°46	5°22	9°48	28°43	9° 7	3°19	4°30	15°44	26° 4	S 10
M11	15 38 6	25°33'13	17° 2	5°47	9°44	5° 9	0°40	5°20	9°47	28°45	9° 7	3°10	4°26	15°50	26° 1	M11
T 12	15 42 2	26°30'39	29°35	6° 3	10°41	5°50	0°34	5°18	9°45	28°48	9° 8	3° 3	4°23	15°57	25°57	T 12
W13	15 45 59	27°28'03	12♑19	6°24	11°38	6°31	0°27	5°16	9°44	28°50	9° 9	2°58	4°20	16° 4	25°54	W13
T 14	15 49 55	28°25'27	25°16	6°50	12°36	7°11	0°21	5°14	9°42	28°52	9° 9	2°57	4°17	16°11	25°51	T 14
F 15	15 53 52	29°22'50	8♒27	7°19	13°34	7°52	0°15	5°13	9°41	28°54	9° 9	2°D56	4°14	16°17	25°47	F 15
S 16	15 57 48	0♊20'13	21°54	7°53	14°32	8°32	0°10	5°11	9°39	28°57	9°10	2°57	4°11	16°24	25°44	S 16
S 17	16 1 45	1°17'35	5♓40	8°31	15°31	9°13	0° 4	5° 9	9°37	28°59	9°10	2°R57	4° 7	16°31	25°41	S 17
M18	16 5 42	2°14'56	19°45	9°13	16°30	9°53	29♎58	5° 8	9°36	29° 1	9°11	2°56	4° 4	16°37	25°38	M18
T 19	16 9 38	3°12'17	4♈ 9	9°59	17°30	10°33	29°53	5° 6	9°34	29° 3	9°11	2°53	4° 1	16°44	25°35	T 19
W20	16 13 35	4° 9'37	18°49	10°48	18°30	11°14	29°48	5° 5	9°32	29° 6	9°11	2°47	3°58	16°51	25°32	W20
T 21	16 17 31	5° 6'56	3♉39	11°42	19°30	11°54	29°43	5° 4	9°30	29° 8	9°12	2°40	3°55	16°58	25°29	T 21
F 22	16 21 28	6° 4'16	18°32	12°39	20°31	12°34	29°38	5° 3	9°28	29°10	9°12	2°31	3°51	17° 4	25°27	F 22
S 23	16 25 24	7° 1'34	3♊19	13°39	21°32	13°14	29°33	5° 2	9°26	29°12	9°12	2°23	3°48	17°11	25°24	S 23
S 24	16 29 21	7°58'52	17°52	14°44	22°33	13°55	29°28	5° 1	9°24	29°14	9°13	2°15	3°45	17°18	25°21	S 24
M25	16 33 17	8°56'09	2♋ 5	15°51	23°34	14°35	29°24	5° 0	9°23	29°17	9°13	2°10	3°42	17°24	25°19	M25
T 26	16 37 14	9°53'26	15°53	17° 2	24°36	15°15	29°19	4°59	9°21	29°19	9°13	2° 7	3°39	17°31	25°17	T 26
W27	16 41 11	10°50'42	29°15	18°16	25°38	15°55	29°15	4°59	9°19	29°21	9°13	2°D 5	3°36	17°38	25°14	W27
T 28	16 45 7	11°47'57	12♌11	19°34	26°40	16°35	29°11	4°58	9°17	29°23	9°13	2° 6	3°32	17°45	25°12	T 28
F 29	16 49 4	12°45'11	24°46	20°55	27°43	17°15	29° 7	4°58	9°14	29°26	9°13	2° 7	3°29	17°51	25°10	F 29
S 30	16 53 0	13°42'24	7♍ 3	22°19	28°45	17°55	29° 3	4°57	9°12	29°28	9°14	2° 8	3°26	17°58	25° 8	S 30
S 31	16 56 57	14♊39'37	19♍ 6	23♉46	29♈48	18♊35	29♎ 0	4♎57	9♑10	29♉30	9♓14	2°R 8	3♌23	18♎ 5	25♎ 6	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	16n42	16n58	1n 3	12n 5	1s56	0s36	0s58	20n21	0n28	10s52	1n23	0n12	2n44	23s33	0s23	18n21	1s36	21s56	14s52	19n14	19n 7	1s23	10s22	0s 2	F 1
S 2	16 59	13 55	2 5	11 43	2 11	0 21	1 4	20 30	0 28	10 49	1 23	0 13	2 44	23 33	0 23	18 21	1 36	21 56	14 52	19 14	19 8	1 25	10 20	0 2	S 2
S 3	17 15	10 20	2 59	11 23	2 24	0 5	1 10	20 40	0 29	10 47	1 23	0 14	2 43	23 34	0 23	18 22	1 36	21 56	14 53	19 14	19 9	1 27	10 18	0 1	S 3
M 4	17 31	6 22	3 46	11 5	2 37	0n11	1 15	20 49	0 29	10 45	1 23	0 15	2 43	23 34	0 23	18 22	1 36	21 56	14 53	19 15	19 9	1 30	10 16	0 1	M 4
T 5	17 47	2 12	4 22	10 50	2 49	0 28	1 20	20 58	0 30	10 42	1 23	0 16	2 43	23 34	0 23	18 23	1 36	21 56	14 53	19 17	19 10	1 32	10 14	0 1	T 5
W 6	18 2	2s 3	4 47	10 37	2 59	0 45	1 25	21 7	0 31	10 40	1 22	0 17	2 43	23 34	0 23	18 23	1 36	21 56	14 54	19 19	19 11	1 34	10 13	0 0	W 6
T 7	18 17	6 15	5 0	10 26	3 9	1 2	1 30	21 16	0 31	10 38	1 22	0 18	2 43	23 34	0 23	18 24	1 36	21 56	14 54	19 22	19 12	1 36	10 11	0n 0	T 7
F 8	18 32	10 14	4 59	10 17	3 17	1 20	1 34	21 24	0 32	10 36	1 22	0 18	2 42	23 34	0 23	18 24	1 36	21 56	14 54	19 25	19 12	1 39	10 9	0 0	F 8
S 9	18 47	13 52	4 45	10 12	3 24	1 38	1 39	21 32	0 32	10 34	1 22	0 19	2 42	23 34	0 23	18 25	1 36	21 56	14 55	19 28	19 13	1 41	10 8	0 1	S 9
S 10	19 1	16 56	4 18	10 8	3 31	1 56	1 43	21 41	0 33	10 31	1 22	0 20	2 42	23 34	0 23	18 25	1 36	21 57	14 55	19 31	19 14	1 43	10 6	0 1	S 10
M11	19 15	19 18	3 38	10 7	3 36	2 14	1 47	21 48	0 33	10 29	1 21	0 20	2 42	23 35	0 23	18 26	1 36	21 57	14 56	19 33	19 15	1 46	10 5	0 1	M11
T 12	19 28	20 46	2 48	10 9	3 40	2 33	1 51	21 56	0 34	10 27	1 21	0 21	2 41	23 35	0 23	18 26	1 36	21 57	14 56	19 34	19 16	1 48	10 3	0 2	T 12
W13	19 42	21 12	1 47	10 13	3 43	2 52	1 54	22 4	0 34	10 25	1 21	0 22	2 41	23 35	0 23	18 27	1 36	21 57	14 56	19 35	19 16	1 50	10 1	0 2	W13
T 14	19 54	20 31	0 41	10 20	3 45	3 12	1 58	22 11	0 35	10 23	1 21	0 22	2 41	23 35	0 23	18 27	1 36	21 57	14 57	19 36	19 17	1 53	10 0	0 2	T 14
F 15	20 7	18 43	0s29	10 28	3 46	3 31	2 1	22 18	0 35	10 22	1 21	0 23	2 41	23 35	0 23	18 28	1 36	21 57	14 57	19 36	19 18	1 55	9 58	0 3	F 15
S 16	20 19	15 51	1 39	10 39	3 46	3 51	2 4	22 25	0 36	10 20	1 20	0 23	2 41	23 35	0 23	18 28	1 36	21 57	14 57	19 36	19 19	1 57	9 57	0 3	S 16
S 17	20 31	12 2	2 45	10 52	3 45	4 11	2 7	22 32	0 36	10 18	1 20	0 24	2 40	23 35	0 23	18 28	1 36	21 58	14 58	19 36	19 19	2 0	9 55	0 3	S 17
M18	20 43	7 29	3 43	11 7	3 43	4 31	2 10	22 39	0 37	10 16	1 20	0 24	2 40	23 36	0 23	18 29	1 36	21 58	14 58	19 36	19 20	2 2	9 54	0 4	M18
T 19	20 54	2 26	4 28	11 24	3 40	4 51	2 13	22 45	0 37	10 15	1 20	0 24	2 40	23 36	0 23	18 29	1 36	21 58	14 58	19 37	19 21	2 4	9 53	0 4	T 19
W20	21 5	2n51	4 56	11 42	3 37	5 12	2 15	22 51	0 37	10 13	1 20	0 25	2 40	23 36	0 23	18 30	1 36	21 58	14 59	19 38	19 22	2 7	9 51	0 4	W20
T 21	21 15	8 1	5 5	12 2	3 33	5 33	2 18	22 57	0 38	10 11	1 19	0 25	2 39	23 36	0 23	18 30	1 36	21 58	14 59	19 40	19 22	2 9	9 50	0 4	T 21
F 22	21 26	12 44	4 53	12 24	3 28	5 53	2 20	23 3	0 38	10 10	1 19	0 25	2 39	23 36	0 23	18 31	1 36	21 59	15 0	19 42	19 23	2 11	9 49	0 5	F 22
S 23	21 35	16 38	4 22	12 48	3 23	6 14	2 22	23 9	0 39	10 8	1 19	0 25	2 39	23 36	0 23	18 31	1 36	21 59	15 0	19 44	19 24	2 14	9 47	0 5	S 23
S 24	21 45	19 27	3 34	13 12	3 16	6 35	2 24	23 14	0 39	10 7	1 19	0 25	2 39	23 36	0 23	18 32	1 36	21 59	15 0	19 45	19 25	2 16	9 46	0 5	S 24
M25	21 54	20 59	2 34	13 38	3 10	6 56	2 26	23 19	0 40	10 5	1 18	0 26	2 38	23 37	0 23	18 32	1 36	21 59	15 1	19 47	19 25	2 18	9 45	0 6	M25
T 26	22 3	21 11	1 26	14 6	3 2	7 17	2 28	23 24	0 40	10 4	1 18	0 26	2 38	23 37	0 23	18 33	1 36	22 0	15 1	19 47	19 26	2 21	9 44	0 6	T 26
W27	22 11	20 10	0 15	14 34	2 54	7 39	2 29	23 29	0 41	10 3	1 18	0 26	2 38	23 37	0 23	18 33	1 36	22 0	15 1	19 48	19 27	2 23	9 43	0 6	W27
T 28	22 19	18 6	0n54	15 3	2 46	8 0	2 30	23 34	0 41	10 2	1 18	0 26	2 38	23 37	0 23	18 34	1 36	22 0	15 2	19 47	19 28	2 25	9 42	0 7	T 28
F 29	22 26	15 12	1 59	15 33	2 37	8 21	2 32	23 38	0 42	10 1	1 17	0 26	2 38	23 37	0 23	18 34	1 36	22 0	15 2	19 47	19 28	2 28	9 41	0 7	F 29
S 30	22 34	11 42	2 57	16 4	2 27	8 42	2 33	23 42	0 42	9 59	1 17	0 25	2 37	23 37	0 23	18 35	1 36	22 1	15 3	19 47	19 29	2 30	9 40	0 7	S 30
S 31	22n40	7n48	3n46	16n36	2s17	9n 4	2s34	23n46	0n43	9s58	1n17	0n25	2n37	23s38	0s23	18n35	1s36	22s 1	15s 3	19n47	19n30	2s32	9s39	0n 8	S 31

Julian Day Number = 2111630.5, Delta T = 19m28s
Ecliptic obliquity = 23°33'30, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°46'01, Lahiri = 10°53'01 Julian Calendar 1 May 1069 == Greg. Calendar 7 May 1069

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1069
geocentric

JUNE 1069 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 0 53	15♊36'49	1♎ 1	25♉16	0♉51	19♊15	28°R56	4°R57	9°R 8	29♉32	9♓14	2°R 7	3♌20	18♎11	25°R 4	M 1
T 2	17 4 50	16°34'00	12°53	26°50	1°55	19°55	28♎53	4°D57	9♑ 6	29°34	9°14	2♌ 3	3°17	18°18	25♎ 3	T 2
W 3	17 8 46	17°31'11	24°47	28°27	2°58	20°35	28°50	4♎57	9° 4	29°36	9°R14	1°58	3°13	18°25	25° 1	W 3
T 4	17 12 43	18°28'21	6♏44	0♊ 6	4° 2	21°14	28°47	4°57	9° 2	29°39	9°14	1°52	3°10	18°32	25° 0	T 4
F 5	17 16 40	19°25'30	18°50	1°49	5° 6	21°54	28°44	4°58	8°59	29°41	9°14	1°44	3° 7	18°38	24°58	F 5
S 6	17 20 36	20°22'40	1♐ 6	3°35	6°11	22°34	28°42	4°58	8°57	29°43	9°14	1°37	3° 4	18°45	24°57	S 6
S 7	17 24 33	21°19'49	13°33	5°23	7°15	23°14	28°40	4°58	8°55	29°45	9°14	1°30	3° 1	18°52	24°56	S 7
M 8	17 28 29	22°16'58	26°12	7°15	8°20	23°53	28°37	4°59	8°53	29°47	9°13	1°25	2°57	18°58	24°55	M 8
T 9	17 32 26	23°14'07	9♑ 3	9° 9	9°25	24°33	28°35	5° 0	8°50	29°49	9°13	1°21	2°54	19° 5	24°54	T 9
W10	17 36 22	24°11'15	22° 7	11° 5	10°30	25°13	28°34	5° 0	8°48	29°51	9°13	1°19	2°51	19°12	24°53	W10
T 11	17 40 19	25° 8'24	5♒23	13° 4	11°35	25°52	28°32	5° 1	8°46	29°53	9°13	1°D19	2°48	19°19	24°52	T 11
F 12	17 44 15	26° 5'33	18°51	15° 5	12°40	26°32	28°30	5° 2	8°43	29°55	9°13	1°19	2°45	19°25	24°51	F 12
S 13	17 48 12	27° 2'42	2♓31	17° 9	13°46	27°11	28°29	5° 3	8°41	29°57	9°13	1°21	2°42	19°32	24°51	S 13
S 14	17 52 9	27°59'51	16°24	19°14	14°52	27°51	28°28	5° 4	8°39	29°59	9°12	1°22	2°38	19°39	24°50	S 14
M15	17 56 5	28°57'01	0♈28	21°20	15°57	28°30	28°27	5° 6	8°36	0♊ 1	9°12	1°R23	2°35	19°46	24°50	M15
T 16	18 0 2	29°54'10	14°42	23°28	17° 4	29°10	28°26	5° 7	8°34	0° 3	9°12	1°22	2°32	19°52	24°50	T 16
W17	18 3 58	0♋51'21	29° 5	25°37	18°10	29°49	28°26	5° 9	8°32	0° 5	9°12	1°20	2°29	19°59	24°50	W17
T 18	18 7 55	1°48'32	13♉32	27°46	19°16	0♋28	28°25	5°10	8°29	0° 7	9°11	1°16	2°26	20° 6	24°D50	T 18
F 19	18 11 51	2°45'43	27°59	29°55	20°23	1° 8	28°25	5°12	8°27	0° 9	9°11	1°12	2°23	20°12	24°50	F 19
S 20	18 15 48	3°42'54	12♊21	2♋ 5	21°29	1°47	28°D25	5°13	8°24	0°11	9°11	1° 9	2°19	20°19	24°50	S 20
S 21	18 19 44	4°40'07	26°31	4°15	22°36	2°26	28°25	5°15	8°22	0°13	9°10	1° 5	2°16	20°26	24°50	S 21
M22	18 23 41	5°37'19	10♋26	6°24	23°43	3° 6	28°26	5°17	8°20	0°15	9°10	1° 3	2°13	20°33	24°50	M22
T 23	18 27 38	6°34'32	24° 1	8°32	24°50	3°45	28°26	5°19	8°17	0°17	9° 9	1° 1	2°10	20°39	24°51	T 23
W24	18 31 34	7°31'44	7♌15	10°40	25°58	4°24	28°27	5°21	8°15	0°19	9° 9	1°D 1	2° 7	20°46	24°52	W24
T 25	18 35 31	8°28'57	20° 9	12°46	27° 5	5° 3	28°28	5°24	8°12	0°21	9° 8	1° 2	2° 3	20°53	24°52	T 25
F 26	18 39 27	9°26'11	2♍43	14°51	28°12	5°43	28°29	5°26	8°10	0°23	9° 8	1° 4	2° 0	20°59	24°53	F 26
S 27	18 43 24	10°23'24	15° 0	16°55	29°20	6°22	28°30	5°28	8° 8	0°25	9° 7	1° 5	1°57	21° 6	24°54	S 27
S 28	18 47 20	11°20'37	27° 6	18°58	0♊28	7° 1	28°31	5°31	8° 5	0°26	9° 7	1° 7	1°54	21°13	24°55	S 28
M29	18 51 17	12°17'51	9♎ 3	20°58	1°36	7°40	28°33	5°33	8° 3	0°28	9° 6	1°R 7	1°51	21°20	24°56	M29
T 30	18 55 13	13♋15'05	20♎56	22♋58	2♊44	8♋19	28♎35	5♎36	8♑ 0	0♊30	9♓ 6	1♌ 7	1♌48	21♎26	24♎57	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n47	3n38	4n24	17n 7	2s 7	9n25	2s34	23n50	0n43	9s57	1n17	0n25	2n37	23s38	0s23	18n36	1s36	22s 1	15s 3	19n47	19n31	2s35	9s38	0n 8
T 2	22 53	0s39	4 51	17 40	1 56	9 46	2 35	23 54	0 43	9 57	1 16	0 25	2 37	23 38	0 23	18 36	1 36	22 2	15 4	19 48	19 31	2 37	9 37	0 8
W 3	22 58	4 54	5 6	18 12	1 45	10 8	2 36	23 57	0 44	9 56	1 16	0 25	2 36	23 38	0 23	18 37	1 36	22 2	15 4	19 49	19 32	2 39	9 36	0 8
T 4	23 3	9 0	5 7	18 45	1 34	10 29	2 36	24 0	0 44	9 55	1 16	0 24	2 36	23 38	0 23	18 37	1 36	22 2	15 4	19 51	19 33	2 41	9 35	0 9
F 5	23 8	12 47	4 55	19 17	1 23	10 50	2 36	24 3	0 45	9 54	1 16	0 24	2 36	23 38	0 23	18 37	1 36	22 3	15 5	19 52	19 33	2 44	9 34	0 9
S 6	23 12	16 5	4 29	19 49	1 11	11 11	2 37	24 6	0 45	9 54	1 15	0 24	2 35	23 39	0 23	18 38	1 36	22 3	15 5	19 54	19 34	2 46	9 34	0 9
S 7	23 16	18 44	3 50	20 20	0 59	11 32	2 37	24 9	0 46	9 53	1 15	0 23	2 35	23 39	0 23	18 38	1 36	22 3	15 5	19 55	19 35	2 48	9 33	0 10
M 8	23 20	20 31	2 59	20 51	0 47	11 53	2 37	24 11	0 46	9 52	1 15	0 23	2 35	23 39	0 23	18 39	1 36	22 4	15 6	19 57	19 36	2 51	9 32	0 10
T 9	23 23	21 17	1 58	21 21	0 36	12 14	2 36	24 13	0 46	9 52	1 14	0 22	2 35	23 39	0 23	18 39	1 36	22 4	15 6	19 58	19 36	2 53	9 32	0 10
W10	23 26	20 55	0 50	21 49	0 24	12 34	2 36	24 15	0 47	9 52	1 14	0 22	2 34	23 39	0 23	18 40	1 36	22 5	15 7	19 58	19 37	2 56	9 31	0 10
T 11	23 28	19 23	0s22	22 17	0 12	12 55	2 36	24 17	0 47	9 51	1 14	0 21	2 34	23 39	0 23	18 40	1 36	22 5	15 7	19 58	19 38	2 58	9 31	0 11
F 12	23 30	16 44	1 34	22 42	0 1	13 15	2 35	24 18	0 48	9 51	1 14	0 21	2 34	23 40	0 23	18 40	1 36	22 5	15 7	19 58	19 39	3 0	9 30	0 11
S 13	23 31	13 9	2 42	23 6	0n10	13 35	2 35	24 20	0 48	9 51	1 13	0 20	2 34	23 40	0 23	18 41	1 36	22 6	15 8	19 58	19 39	3 3	9 30	0 11
S 14	23 33	8 47	3 41	23 28	0 21	13 55	2 34	24 21	0 49	9 51	1 13	0 19	2 33	23 40	0 23	18 41	1 36	22 6	15 8	19 57	19 40	3 5	9 29	0 12
M15	23 33	3 55	4 28	23 48	0 31	14 15	2 33	24 22	0 49	9 51	1 13	0 18	2 33	23 40	0 24	18 42	1 36	22 7	15 8	19 57	19 41	3 7	9 29	0 12
T 16	23 33	1n13	4 59	24 5	0 41	14 35	2 32	24 23	0 49	9 51	1 13	0 18	2 33	23 40	0 24	18 42	1 36	22 7	15 9	19 57	19 42	3 10	9 28	0 12
W17	23 33	6 20	5 12	24 20	0 51	14 54	2 31	24 23	0 50	9 51	1 12	0 17	2 33	23 40	0 24	18 42	1 36	22 8	15 9	19 58	19 42	3 12	9 28	0 12
T 18	23 33	11 7	5 5	24 32	0 59	15 13	2 30	24 24	0 50	9 51	1 12	0 16	2 32	23 41	0 24	18 43	1 36	22 8	15 9	19 59	19 43	3 14	9 28	0 13
F 19	23 32	15 16	4 39	24 41	1 8	15 32	2 29	24 24	0 51	9 51	1 12	0 15	2 32	23 41	0 24	18 43	1 36	22 8	15 10	19 59	19 44	3 17	9 28	0 13
S 20	23 30	18 30	3 56	24 48	1 15	15 51	2 28	24 24	0 51	9 51	1 11	0 14	2 32	23 41	0 24	18 44	1 36	22 9	15 10	20 0	19 44	3 19	9 27	0 13
S 21	23 29	20 33	2 58	24 51	1 22	16 9	2 26	24 23	0 51	9 52	1 11	0 13	2 32	23 41	0 24	18 44	1 36	22 9	15 10	20 1	19 45	3 21	9 27	0 14
M22	23 26	21 18	1 51	24 52	1 28	16 27	2 25	24 23	0 52	9 52	1 11	0 12	2 31	23 41	0 24	18 44	1 36	22 10	15 11	20 2	19 46	3 24	9 27	0 14
T 23	23 24	20 47	0 38	24 50	1 33	16 45	2 23	24 22	0 52	9 52	1 11	0 11	2 31	23 41	0 24	18 45	1 36	22 10	15 11	20 2	19 47	3 26	9 27	0 14
W24	23 21	19 6	0n34	24 45	1 38	17 3	2 22	24 21	0 52	9 53	1 10	0 10	2 31	23 42	0 24	18 45	1 36	22 11	15 12	20 2	19 47	3 28	9 27	0 14
T 25	23 17	16 28	1 43	24 38	1 42	17 20	2 20	24 20	0 53	9 53	1 10	0 9	2 31	23 42	0 24	18 46	1 36	22 11	15 12	20 2	19 48	3 31	9 27	0 15
F 26	23 13	13 8	2 46	24 28	1 45	17 37	2 18	24 19	0 53	9 54	1 10	0 8	2 30	23 42	0 24	18 46	1 36	22 12	15 12	20 1	19 49	3 33	9 27	0 15
S 27	23 9	9 18	3 39	24 15	1 47	17 53	2 16	24 18	0 54	9 55	1 9	0 7	2 30	23 42	0 24	18 46	1 36	22 12	15 13	20 1	19 49	3 35	9 27	0 15
S 28	23 4	5 9	4 22	24 0	1 49	18 10	2 14	24 16	0 54	9 56	1 9	0 6	2 30	23 42	0 24	18 47	1 36	22 13	15 13	20 1	19 50	3 38	9 27	0 15
M29	22 59	0 53	4 52	23 43	1 50	18 25	2 12	24 14	0 54	9 56	1 9	0 4	2 30	23 42	0 24	18 47	1 36	22 13	15 13	20 1	19 51	3 40	9 27	0 16
T 30	22n54	3s25	5n10	23n24	1n50	18n41	2s10	24n12	0n55	9s57	1n 9	0n 3	2n30	23s43	0s24	18n47	1s36	22s14	15s13	20n 1	19n52	3s42	9s28	0n16

Julian Day Number = 2111661.5, Delta T = 19m27s
Ecliptic obliquity = 23°33'30, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°46'05, Lahiri = 10°53'06 Julian Calendar 1 June 1069 == Greg. Calendar 7 June 1069

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1069
geocentric

JULY 1069 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 59 10	14♋12'20	2♏50	24♋55	3♊52	8♋58	28♎37	5♎39	7°R58	0♊32	9°R 5	1°R 6	1♌44	21♎33	24♎59	W 1
T 2	19 3 7	15° 9'34	14°50	26°51	5° 0	9°37	28°39	5°42	7♑56	0°33	9♓ 4	1♌ 4	1°41	21°40	25° 0	T 2
F 3	19 7 3	16° 6'50	27° 0	28°45	6° 8	10°16	28°41	5°45	7°53	0°35	9° 4	1° 2	1°38	21°47	25° 2	F 3
S 4	19 11 0	17° 4'05	9♐22	0♌38	7°17	10°55	28°44	5°48	7°51	0°37	9° 3	1° 0	1°35	21°53	25° 4	S 4
S 5	19 14 56	18° 1'21	21°59	2°28	8°25	11°34	28°46	5°51	7°48	0°38	9° 2	0°59	1°32	22° 0	25° 5	S 5
M 6	19 18 53	18°58'38	4♑52	4°17	9°34	12°13	28°49	5°54	7°46	0°40	9° 2	0°57	1°29	22° 7	25° 7	M 6
T 7	19 22 49	19°55'56	18° 2	6° 5	10°43	12°51	28°52	5°57	7°44	0°42	9° 1	0°56	1°25	22°13	25° 9	T 7
W 8	19 26 46	20°53'14	1♒29	7°50	11°52	13°30	28°55	6° 1	7°41	0°43	9° 0	0°D56	1°22	22°20	25°11	W 8
T 9	19 30 43	21°50'33	15°10	9°34	13° 1	14° 9	28°59	6° 4	7°39	0°45	9° 0	0°56	1°19	22°27	25°13	T 9
F 10	19 34 39	22°47'53	29° 3	11°16	14°10	14°48	29° 2	6° 8	7°37	0°46	8°59	0°57	1°16	22°34	25°16	F 10
S 11	19 38 36	23°45'14	13♓ 6	12°57	15°19	15°27	29° 6	6°11	7°35	0°48	8°58	0°58	1°13	22°40	25°18	S 11
S 12	19 42 32	24°42'36	27°16	14°35	16°28	16° 5	29°10	6°15	7°32	0°49	8°57	0°58	1° 9	22°47	25°21	S 12
M13	19 46 29	25°39'59	11♈30	16°13	17°38	16°44	29°14	6°19	7°30	0°51	8°56	0°59	1° 6	22°54	25°23	M13
T 14	19 50 25	26°37'24	25°45	17°48	18°47	17°23	29°18	6°22	7°28	0°52	8°56	0°R59	1° 3	23° 0	25°26	T 14
W15	19 54 22	27°34'50	9♉58	19°22	19°57	18° 1	29°22	6°26	7°26	0°54	8°55	0°59	1° 0	23° 7	25°29	W15
T 16	19 58 18	28°32'17	24° 8	20°54	21° 7	18°40	29°27	6°30	7°23	0°55	8°54	0°58	0°57	23°14	25°32	T 16
F 17	20 2 15	29°29'46	8♊11	22°24	22°16	19°19	29°31	6°35	7°21	0°56	8°53	0°58	0°54	23°21	25°35	F 17
S 18	20 6 12	0♌27'16	22° 5	23°53	23°26	19°57	29°36	6°39	7°19	0°58	8°52	0°D58	0°50	23°27	25°38	S 18
S 19	20 10 8	1°24'47	5♋47	25°20	24°36	20°36	29°41	6°43	7°17	0°59	8°51	0°58	0°47	23°34	25°41	S 19
M20	20 14 5	2°22'19	19°17	26°45	25°47	21°15	29°46	6°47	7°15	1° 0	8°50	0°58	0°44	23°41	25°44	M20
T 21	20 18 1	3°19'53	2♌32	28° 8	26°57	21°53	29°51	6°52	7°13	1° 2	8°49	0°R58	0°41	23°48	25°48	T 21
W22	20 21 58	4°17'28	15°31	29°30	28° 7	22°32	29°57	6°56	7°11	1° 3	8°48	0°58	0°38	23°54	25°51	W22
T 23	20 25 54	5°15'04	28°14	0♍49	29°17	23°10	0♏ 2	7° 1	7° 9	1° 4	8°47	0°58	0°35	24° 1	25°55	T 23
F 24	20 29 51	6°12'41	10♍43	2° 7	0♋28	23°49	0° 8	7° 5	7° 7	1° 5	8°46	0°57	0°31	24° 8	25°58	F 24
S 25	20 33 47	7°10'19	22°58	3°23	1°38	24°27	0°14	7°10	7° 5	1° 6	8°45	0°57	0°28	24°14	26° 2	S 25
S 26	20 37 44	8° 7'59	5♎ 2	4°37	2°49	25° 6	0°20	7°15	7° 3	1° 7	8°44	0°56	0°25	24°21	26° 6	S 26
M27	20 41 41	9° 5'39	16°58	5°49	4° 0	25°44	0°26	7°20	7° 1	1° 9	8°43	0°55	0°22	24°28	26°10	M27
T 28	20 45 37	10° 3'21	28°52	6°59	5°11	26°23	0°32	7°25	6°59	1°10	8°42	0°54	0°19	24°35	26°14	T 28
W29	20 49 34	11° 1'03	10♏46	8° 6	6°21	27° 1	0°39	7°30	6°57	1°11	8°41	0°D54	0°15	24°41	26°18	W29
T 30	20 53 30	11°58'47	22°45	9°11	7°32	27°39	0°45	7°35	6°55	1°12	8°40	0°54	0°12	24°48	26°22	T 30
F 31	20 57 27	12♌56'32	4♐54	10♍14	8♋43	28♋18	0♏52	7♎40	6♑53	1♊13	8♓39	0♌55	0♌ 9	24♎55	26♎27	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n48	7s35	5n15	23n 3	1n50	18n56	2s 8	24n10	0n55	9s58	1n 8	0n 2	2n29	23s43	0s24	18n48	1s36	22s14	15s14	20n 1	19n52	3s45	9s28	0n16
T 2	22 42	11 29	5 6	22 40	1 49	19 10	2 6	24 8	0 55	9 59	1 8	0 0	2 29	23 43	0 24	18 48	1 36	22 15	15 14	20 1	19 53	3 47	9 28	0 17
F 3	22 35	14 59	4 44	22 15	1 47	19 25	2 4	24 5	0 56	10 0	1 8	0s 1	2 29	23 43	0 24	18 48	1 36	22 15	15 14	20 2	19 54	3 49	9 29	0 17
S 4	22 28	17 53	4 8	21 49	1 45	19 38	2 1	24 2	0 56	10 1	1 8	0 2	2 29	23 43	0 24	18 49	1 36	22 16	15 15	20 2	19 54	3 52	9 29	0 17
S 5	22 20	20 0	3 19	21 22	1 42	19 52	1 59	23 59	0 56	10 3	1 7	0 4	2 28	23 43	0 24	18 49	1 36	22 16	15 15	20 2	19 55	3 54	9 29	0 17
M 6	22 12	21 9	2 19	20 53	1 39	20 5	1 56	23 56	0 57	10 4	1 7	0 5	2 28	23 43	0 24	18 49	1 36	22 17	15 15	20 3	19 56	3 56	9 30	0 18
T 7	22 4	21 10	1 11	20 23	1 35	20 17	1 54	23 53	0 57	10 5	1 7	0 7	2 28	23 44	0 24	18 49	1 37	22 18	15 16	20 3	19 57	3 59	9 30	0 18
W 8	21 56	19 59	0s 3	19 52	1 31	20 29	1 51	23 49	0 57	10 7	1 6	0 8	2 28	23 44	0 24	18 50	1 37	22 18	15 16	20 3	19 57	4 1	9 31	0 18
T 9	21 47	17 37	1 18	19 19	1 26	20 41	1 49	23 46	0 58	10 8	1 6	0 10	2 27	23 44	0 24	18 50	1 37	22 19	15 16	20 3	19 58	4 4	9 31	0 18
F 10	21 37	14 12	2 30	18 46	1 21	20 52	1 46	23 42	0 58	10 10	1 6	0 12	2 27	23 44	0 24	18 50	1 37	22 19	15 17	20 3	19 59	4 6	9 32	0 19
S 11	21 27	9 57	3 33	18 13	1 15	21 2	1 43	23 38	0 59	10 11	1 6	0 13	2 27	23 44	0 24	18 51	1 37	22 20	15 17	20 3	19 59	4 8	9 33	0 19
S 12	21 17	5 7	4 24	17 38	1 9	21 12	1 40	23 33	0 59	10 13	1 5	0 15	2 27	23 44	0 24	18 51	1 37	22 20	15 17	20 3	20 0	4 11	9 33	0 19
M13	21 7	0 1	4 59	17 3	1 3	21 22	1 38	23 29	0 59	10 14	1 5	0 17	2 27	23 44	0 24	18 51	1 37	22 21	15 17	20 2	20 1	4 13	9 34	0 19
T 14	20 56	5n 6	5 16	16 28	0 56	21 31	1 35	23 24	1 0	10 16	1 5	0 18	2 26	23 44	0 24	18 51	1 37	22 22	15 18	20 2	20 1	4 15	9 35	0 20
W15	20 45	9 55	5 13	15 52	0 49	21 39	1 32	23 20	1 0	10 18	1 5	0 20	2 26	23 45	0 24	18 52	1 37	22 22	15 18	20 2	20 2	4 18	9 36	0 20
T 16	20 33	14 11	4 51	15 15	0 41	21 47	1 29	23 15	1 0	10 20	1 4	0 22	2 26	23 45	0 24	18 52	1 37	22 23	15 18	20 2	20 3	4 20	9 36	0 20
F 17	20 21	17 37	4 13	14 39	0 34	21 54	1 26	23 9	1 0	10 22	1 4	0 24	2 26	23 45	0 24	18 52	1 37	22 23	15 18	20 2	20 4	4 22	9 37	0 20
S 18	20 9	20 0	3 19	14 2	0 26	22 1	1 23	23 4	1 1	10 23	1 4	0 26	2 25	23 45	0 24	18 52	1 37	22 24	15 19	20 3	20 4	4 25	9 38	0 21
S 19	19 57	21 11	2 15	13 25	0 17	22 7	1 20	22 59	1 1	10 25	1 4	0 27	2 25	23 45	0 24	18 53	1 37	22 24	15 19	20 3	20 5	4 27	9 39	0 21
M20	19 44	21 6	1 4	12 48	0 9	22 13	1 17	22 53	1 1	10 28	1 3	0 29	2 25	23 45	0 24	18 53	1 37	22 25	15 19	20 2	20 6	4 29	9 40	0 21
T 21	19 30	19 50	0n 9	12 11	0 0	22 18	1 14	22 47	1 2	10 30	1 3	0 31	2 25	23 45	0 24	18 53	1 37	22 26	15 19	20 2	20 6	4 32	9 41	0 21
W22	19 17	17 32	1 20	11 34	0s 9	22 22	1 11	22 41	1 2	10 32	1 3	0 33	2 25	23 45	0 24	18 53	1 37	22 26	15 20	20 3	20 7	4 34	9 42	0 22
T 23	19 3	14 25	2 25	10 57	0 18	22 26	1 8	22 35	1 2	10 34	1 3	0 35	2 24	23 46	0 24	18 53	1 37	22 27	15 20	20 3	20 8	4 37	9 43	0 22
F 24	18 49	10 43	3 23	10 21	0 28	22 29	1 5	22 29	1 3	10 36	1 2	0 37	2 24	23 46	0 24	18 54	1 37	22 27	15 20	20 3	20 8	4 39	9 44	0 22
S 25	18 34	6 38	4 10	9 44	0 37	22 32	1 1	22 22	1 3	10 38	1 2	0 39	2 24	23 46	0 24	18 54	1 37	22 28	15 20	20 3	20 9	4 41	9 46	0 22
S 26	18 19	2 21	4 45	9 8	0 47	22 34	0 58	22 15	1 3	10 41	1 2	0 41	2 24	23 46	0 24	18 54	1 37	22 29	15 20	20 3	20 10	4 44	9 47	0 23
M27	18 4	1s58	5 7	8 33	0 57	22 35	0 55	22 9	1 4	10 43	1 2	0 43	2 24	23 46	0 24	18 54	1 37	22 29	15 21	20 3	20 10	4 46	9 48	0 23
T 28	17 49	6 12	5 16	7 58	1 7	22 36	0 52	22 2	1 4	10 46	1 1	0 46	2 23	23 46	0 24	18 54	1 37	22 30	15 21	20 3	20 11	4 48	9 49	0 23
W29	17 33	10 11	5 12	7 23	1 17	22 36	0 49	21 54	1 4	10 48	1 1	0 48	2 23	23 46	0 24	18 55	1 37	22 30	15 21	20 3	20 12	4 51	9 50	0 23
T 30	17 17	13 49	4 54	6 49	1 27	22 35	0 45	21 47	1 4	10 51	1 1	0 50	2 23	23 46	0 24	18 55	1 37	22 31	15 21	20 3	20 12	4 53	9 52	0 23
F 31	17n 1	16s55	4n23	6n16	1s37	22n34	0s42	21n40	1n 5	10s53	1n 1	0s52	2n23	23s46	0s24	18n55	1s38	22s31	15s21	20n 3	20n13	4s55	9s53	0n24

Julian Day Number = 2111691.5, Delta T = 19m27s
Ecliptic obliquity = 23°33'30, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°46'09, Lahiri = 10°53'10 Julian Calendar 1 July 1069 == Greg. Calendar 7 July 1069

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1069
geocentric

AUGUST 1069 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 1 23	13♌54'18	17♐18	11♍14	9♋55	28♋56	0♏59	7♎45	6°R51	1♊14	8°R38	0♌56	0♌ 6	25♎ 1	26♎31	S 1
S 2	21 5 20	14°52'06	29°59	12°12	11° 6	29°34	1° 6	7°50	6♑50	1°14	8♓37	0°57	0° 3	25° 8	26°36	S 2
M 3	21 9 16	15°49'55	13♑ 1	13° 7	12°17	0♌13	1°13	7°55	6°48	1°15	8°36	0°58	29♋59	25°15	26°40	M 3
T 4	21 13 13	16°47'45	26°25	13°58	13°28	0°51	1°20	8° 1	6°46	1°16	8°35	0°R59	29°56	25°22	26°45	T 4
W 5	21 17 10	17°45'36	10♒11	14°47	14°40	1°29	1°28	8° 6	6°45	1°17	8°34	0°59	29°53	25°28	26°50	W 5
T 6	21 21 6	18°43'29	24°17	15°32	15°51	2° 7	1°35	8°12	6°43	1°18	8°32	0°58	29°50	25°35	26°54	T 6
F 7	21 25 3	19°41'24	8♓38	16°14	17° 3	2°46	1°43	8°17	6°42	1°19	8°31	0°56	29°47	25°42	26°59	F 7
S 8	21 28 59	20°39'20	23° 9	16°52	18°15	3°24	1°51	8°23	6°40	1°19	8°30	0°53	29°44	25°49	27° 4	S 8
S 9	21 32 56	21°37'18	7♈44	17°26	19°26	4° 2	1°59	8°29	6°39	1°20	8°29	0°51	29°41	25°55	27° 9	S 9
M10	21 36 52	22°35'18	22°17	17°55	20°38	4°40	2° 7	8°34	6°37	1°21	8°28	0°48	29°37	26° 2	27°15	M10
T 11	21 40 49	23°33'20	6♉43	18°20	21°50	5°18	2°15	8°40	6°36	1°21	8°27	0°47	29°34	26° 9	27°20	T 11
W12	21 44 45	24°31'24	20°58	18°41	23° 2	5°56	2°23	8°46	6°34	1°22	8°25	0°D46	29°31	26°15	27°25	W12
T 13	21 48 42	25°29'30	4♊59	18°56	24°14	6°34	2°32	8°52	6°33	1°22	8°24	0°46	29°28	26°22	27°31	T 13
F 14	21 52 38	26°27'39	18°46	19° 6	25°26	7°13	2°40	8°58	6°32	1°23	8°23	0°47	29°25	26°29	27°36	F 14
S 15	21 56 35	27°25'49	2♋19	19°R10	26°39	7°51	2°49	9° 4	6°30	1°23	8°22	0°49	29°21	26°36	27°42	S 15
S 16	22 0 32	28°24'01	15°37	19° 9	27°51	8°29	2°58	9°10	6°29	1°24	8°21	0°50	29°18	26°42	27°47	S 16
M17	22 4 28	29°22'15	28°42	19° 1	29° 3	9° 7	3° 6	9°16	6°28	1°24	8°19	0°R51	29°15	26°49	27°53	M17
T 18	22 8 25	0♍20'31	11♌35	18°47	0♌16	9°45	3°15	9°22	6°27	1°25	8°18	0°50	29°12	26°56	27°59	T 18
W19	22 12 21	1°18'49	24°15	18°26	1°28	10°23	3°25	9°28	6°26	1°25	8°17	0°48	29° 9	27° 3	28° 5	W19
T 20	22 16 18	2°17'09	6♍44	17°59	2°41	11° 1	3°34	9°34	6°25	1°25	8°16	0°45	29° 6	27° 9	28°10	T 20
F 21	22 20 14	3°15'31	19° 3	17°25	3°54	11°39	3°43	9°41	6°24	1°26	8°15	0°40	29° 2	27°16	28°16	F 21
S 22	22 24 11	4°13'54	1♎11	16°45	5° 6	12°17	3°53	9°47	6°23	1°26	8°13	0°34	28°59	27°23	28°22	S 22
S 23	22 28 7	5°12'19	13°12	15°59	6°19	12°55	4° 2	9°53	6°22	1°26	8°12	0°28	28°56	27°29	28°29	S 23
M24	22 32 4	6°10'46	25° 6	15° 8	7°32	13°33	4°12	10° 0	6°21	1°26	8°11	0°22	28°53	27°36	28°35	M24
T 25	22 36 1	7° 9'15	6♏58	14°13	8°45	14°11	4°21	10° 6	6°21	1°27	8°10	0°17	28°50	27°43	28°41	T 25
W26	22 39 57	8° 7'45	18°50	13°13	9°58	14°49	4°31	10°13	6°20	1°27	8° 8	0°13	28°46	27°50	28°47	W26
T 27	22 43 54	9° 6'18	0♐47	12°11	11°11	15°27	4°41	10°19	6°19	1°27	8° 7	0°11	28°43	27°56	28°54	T 27
F 28	22 47 50	10° 4'51	12°53	11° 8	12°24	16° 4	4°51	10°26	6°18	1°27	8° 6	0°D11	28°40	28° 3	29° 0	F 28
S 29	22 51 47	11° 3'27	25°13	10° 5	13°37	16°42	5° 1	10°32	6°18	1°R27	8° 5	0°12	28°37	28°10	29° 7	S 29
S 30	22 55 43	12° 2'04	7♑53	9° 4	14°50	17°20	5°12	10°39	6°17	1°27	8° 3	0°13	28°34	28°16	29°13	S 30
M31	22 59 40	13♍ 0'43	20♑55	8♍ 6	16♌ 3	17♌58	5♏22	10♎46	6♑17	1♊27	8♓ 2	0♌15	28♋31	28♎23	29♎20	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n44	19s19	3n39	5n44	1s48	22n32	0s39	21n32	1n 5	10s56	1n 0	0s54	2n23	23s46	0s24	18n55	1s38	22s32	15s22	20n 3	20n14	4s58	9s55	0n24
S 2	16 27	20 50	2 43	5 12	1 58	22 30	0 36	21 24	1 5	10 59	1 0	0 57	2 23	23 47	0 24	18 55	1 38	22 33	15 22	20 3	20 14	5 0	9 56	0 24
M 3	16 10	21 18	1 38	4 42	2 8	22 27	0 33	21 16	1 6	11 1	1 0	0 59	2 22	23 47	0 24	18 55	1 38	22 33	15 22	20 2	20 15	5 2	9 57	0 24
T 4	15 53	20 34	0 25	4 12	2 18	22 23	0 30	21 8	1 6	11 4	1 0	1 1	2 22	23 47	0 24	18 55	1 38	22 34	15 22	20 2	20 16	5 5	9 59	0 25
W 5	15 35	18 35	0s51	3 44	2 29	22 19	0 26	21 0	1 6	11 7	0 59	1 3	2 22	23 47	0 24	18 55	1 38	22 34	15 22	20 2	20 17	5 7	10 0	0 25
T 6	15 17	15 27	2 5	3 17	2 39	22 14	0 23	20 52	1 6	11 10	0 59	1 6	2 22	23 47	0 24	18 56	1 38	22 35	15 22	20 3	20 17	5 10	10 2	0 25
F 7	14 59	11 21	3 13	2 52	2 49	22 8	0 20	20 43	1 7	11 13	0 59	1 8	2 22	23 47	0 24	18 56	1 38	22 36	15 23	20 3	20 18	5 12	10 3	0 25
S 8	14 41	6 32	4 9	2 28	2 59	22 2	0 17	20 35	1 7	11 15	0 59	1 10	2 22	23 47	0 24	18 56	1 38	22 36	15 23	20 4	20 19	5 14	10 5	0 26
S 9	14 22	1 21	4 49	2 6	3 8	21 55	0 14	20 26	1 7	11 18	0 59	1 13	2 21	23 47	0 24	18 56	1 38	22 37	15 23	20 4	20 19	5 17	10 7	0 26
M10	14 3	3n54	5 11	1 46	3 17	21 47	0 11	20 17	1 7	11 21	0 58	1 15	2 21	23 47	0 24	18 56	1 38	22 37	15 23	20 5	20 20	5 19	10 8	0 26
T 11	13 44	8 54	5 13	1 28	3 26	21 39	0 7	20 8	1 8	11 24	0 58	1 18	2 21	23 47	0 24	18 56	1 38	22 38	15 23	20 5	20 21	5 21	10 10	0 26
W12	13 25	13 20	4 55	1 12	3 35	21 31	0 4	19 59	1 8	11 27	0 58	1 20	2 21	23 47	0 24	18 56	1 38	22 38	15 23	20 5	20 21	5 24	10 12	0 26
T 13	13 5	16 58	4 20	0 59	3 43	21 21	0 1	19 49	1 8	11 31	0 58	1 22	2 21	23 47	0 24	18 56	1 38	22 39	15 23	20 5	20 22	5 26	10 13	0 27
F 14	12 45	19 35	3 31	0 49	3 50	21 11	0n 2	19 40	1 9	11 34	0 57	1 25	2 21	23 47	0 24	18 56	1 38	22 40	15 23	20 5	20 23	5 28	10 15	0 27
S 15	12 25	21 2	2 30	0 41	3 57	21 0	0 5	19 30	1 9	11 37	0 57	1 27	2 21	23 47	0 24	18 56	1 38	22 40	15 24	20 5	20 23	5 31	10 17	0 27
S 16	12 5	21 16	1 23	0 36	4 3	20 49	0 8	19 21	1 9	11 40	0 57	1 30	2 20	23 47	0 24	18 56	1 38	22 41	15 24	20 4	20 24	5 33	10 19	0 27
M17	11 45	20 20	0 12	0 34	4 8	20 37	0 11	19 11	1 9	11 43	0 57	1 32	2 20	23 48	0 24	18 56	1 38	22 41	15 24	20 4	20 25	5 36	10 21	0 28
T 18	11 24	18 20	0n58	0 36	4 11	20 25	0 14	19 1	1 10	11 47	0 57	1 35	2 20	23 48	0 24	18 56	1 38	22 42	15 24	20 4	20 25	5 38	10 22	0 28
W19	11 4	15 27	2 5	0 42	4 14	20 12	0 16	18 51	1 10	11 50	0 56	1 38	2 20	23 48	0 24	18 56	1 38	22 42	15 24	20 5	20 26	5 40	10 24	0 28
T 20	10 43	11 55	3 3	0 51	4 15	19 58	0 19	18 40	1 10	11 53	0 56	1 40	2 20	23 48	0 24	18 56	1 38	22 43	15 24	20 5	20 27	5 43	10 26	0 28
F 21	10 22	7 55	3 53	1 5	4 15	19 44	0 22	18 30	1 10	11 56	0 56	1 43	2 20	23 48	0 24	18 56	1 39	22 43	15 24	20 7	20 27	5 45	10 28	0 29
S 22	10 0	3 40	4 31	1 22	4 13	19 29	0 25	18 20	1 11	12 0	0 56	1 45	2 20	23 48	0 24	18 56	1 39	22 44	15 24	20 8	20 28	5 47	10 30	0 29
S 23	9 39	0s41	4 57	1 43	4 10	19 14	0 28	18 9	1 11	12 3	0 56	1 48	2 19	23 48	0 23	18 56	1 39	22 44	15 24	20 9	20 29	5 50	10 32	0 29
M24	9 17	4 58	5 9	2 8	4 5	18 58	0 30	17 58	1 11	12 7	0 55	1 51	2 19	23 48	0 23	18 56	1 39	22 45	15 24	20 10	20 29	5 52	10 34	0 29
T 25	8 56	9 3	5 8	2 36	3 57	18 42	0 33	17 48	1 11	12 10	0 55	1 53	2 19	23 48	0 23	18 56	1 39	22 45	15 24	20 11	20 30	5 55	10 36	0 29
W26	8 34	12 47	4 54	3 7	3 48	18 25	0 36	17 37	1 11	12 14	0 55	1 56	2 19	23 48	0 23	18 56	1 39	22 46	15 24	20 12	20 30	5 57	10 38	0 30
T 27	8 12	16 3	4 28	3 41	3 37	18 7	0 38	17 26	1 12	12 17	0 55	1 59	2 19	23 48	0 23	18 56	1 39	22 46	15 24	20 13	20 31	5 59	10 40	0 30
F 28	7 50	18 41	3 49	4 17	3 23	17 49	0 41	17 14	1 12	12 21	0 55	2 1	2 19	23 48	0 23	18 56	1 39	22 47	15 24	20 13	20 32	6 2	10 42	0 30
S 29	7 27	20 30	2 58	4 55	3 9	17 30	0 43	17 3	1 12	12 24	0 54	2 4	2 19	23 48	0 23	18 56	1 39	22 47	15 24	20 13	20 32	6 4	10 44	0 30
S 30	7 5	21 21	1 58	5 33	2 52	17 11	0 46	16 52	1 12	12 28	0 54	2 7	2 19	23 48	0 23	18 56	1 39	22 48	15 24	20 12	20 33	6 6	10 47	0 31
M31	6n42	21s 6	0n50	6n11	2s34	16n52	0n48	16n40	1n13	12s32	0n54	2s 9	2n19	23s48	0s23	18n56	1s39	22s48	15s24	20n12	20n34	6s 9	10s49	0n31

Julian Day Number = 2111722.5, Delta T = 19m27s
Ecliptic obliquity = 23°33'31, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°46'14, Lahiri = 10°53'14 Julian Calendar 1 Aug. 1069 == Greg. Calendar 7 Aug. 1069

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1069
geocentric

SEPTEMBER 1069 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 3 36	13♍59'24	4♒23	7°R13	17♌17	18♌36	5♏32	10♎52	6°R16	1°R27	8°R 1	0°R15	28♋27	28♎30	29♎26	T 1
W 2	23 7 33	14°58'07	18°18	6♍26	18°30	19°14	5°43	10°59	6♉16	1♊27	8♓ 0	0♌13	28°24	28°37	29°33	W 2
T 3	23 11 30	15°56'51	2♓39	5°47	19°44	19°51	5°53	11° 6	6°16	1°26	7°59	0°10	28°21	28°43	29°40	T 3
F 4	23 15 26	16°55'38	17°21	5°16	20°57	20°29	6° 4	11°13	6°15	1°26	7°57	0° 5	28°18	28°50	29°47	F 4
S 5	23 19 23	17°54'26	2♈18	4°54	22°11	21° 7	6°15	11°19	6°15	1°26	7°56	29♋58	28°15	28°57	29°54	S 5
S 6	23 23 19	18°53'16	17°20	4°42	23°24	21°45	6°26	11°26	6°15	1°26	7°55	29°50	28°12	29° 4	0♏ 1	S 6
M 7	23 27 16	19°52'09	2♉17	4°D40	24°38	22°22	6°37	11°33	6°15	1°26	7°54	29°43	28° 8	29°10	0° 8	M 7
T 8	23 31 12	20°51'04	17° 2	4°48	25°52	23° 0	6°48	11°40	6°15	1°25	7°53	29°37	28° 5	29°17	0°15	T 8
W 9	23 35 9	21°50'01	1♊29	5° 7	27° 5	23°38	6°59	11°47	6°14	1°25	7°51	29°33	28° 2	29°24	0°22	W 9
T 10	23 39 5	22°49'01	15°33	5°35	28°19	24°15	7°10	11°54	6°D14	1°25	7°50	29°32	27°59	29°30	0°29	T 10
F 11	23 43 2	23°48'04	29°16	6°12	29°33	24°53	7°21	12° 1	6°15	1°24	7°49	29°D32	27°56	29°37	0°36	F 11
S 12	23 46 59	24°47'08	12♋38	6°59	0♍47	25°31	7°32	12° 8	6°15	1°24	7°48	29°32	27°52	29°44	0°43	S 12
S 13	23 50 55	25°46'15	25°41	7°53	2° 1	26° 8	7°44	12°15	6°15	1°23	7°47	29°R33	27°49	29°51	0°51	S 13
M14	23 54 52	26°45'24	8♌28	8°55	3°15	26°46	7°55	12°22	6°15	1°23	7°46	29°33	27°46	29°57	0°58	M14
T 15	23 58 48	27°44'36	21° 2	10° 3	4°29	27°24	8° 7	12°29	6°15	1°22	7°44	29°30	27°43	0♏ 4	1° 5	T 15
W16	0 2 45	28°43'50	3♍25	11°18	5°44	28° 1	8°18	12°36	6°16	1°22	7°43	29°26	27°40	0°11	1°13	W16
T 17	0 6 41	29°43'06	15°40	12°38	6°58	28°39	8°30	12°43	6°16	1°21	7°42	29°18	27°37	0°18	1°20	T 17
F 18	0 10 38	0♎42'24	27°47	14° 2	8°12	29°17	8°42	12°51	6°16	1°20	7°41	29° 8	27°33	0°24	1°28	F 18
S 19	0 14 34	1°41'44	9♎48	15°30	9°26	29°54	8°54	12°58	6°17	1°20	7°40	28°56	27°30	0°31	1°35	S 19
S 20	0 18 31	2°41'06	21°44	17° 2	10°41	0♍32	9° 6	13° 5	6°17	1°19	7°39	28°44	27°27	0°38	1°43	S 20
M21	0 22 27	3°40'30	3♏37	18°37	11°55	1° 9	9°18	13°12	6°18	1°18	7°38	28°32	27°24	0°44	1°50	M21
T 22	0 26 24	4°39'56	15°27	20°13	13° 9	1°47	9°30	13°19	6°18	1°18	7°37	28°21	27°21	0°51	1°58	T 22
W23	0 30 21	5°39'25	27°19	21°52	14°24	2°24	9°42	13°26	6°19	1°17	7°36	28°12	27°18	0°58	2° 6	W23
T 24	0 34 17	6°38'55	9♐14	23°32	15°38	3° 2	9°54	13°34	6°20	1°16	7°35	28° 6	27°14	1° 5	2°13	T 24
F 25	0 38 14	7°38'27	21°17	25°13	16°53	3°39	10° 6	13°41	6°21	1°15	7°33	28° 3	27°11	1°11	2°21	F 25
S 26	0 42 10	8°38'00	3♑33	26°55	18° 7	4°17	10°18	13°48	6°21	1°14	7°32	28°D 1	27° 8	1°18	2°29	S 26
S 27	0 46 7	9°37'36	16° 7	28°37	19°22	4°54	10°30	13°55	6°22	1°13	7°31	28° 1	27° 5	1°25	2°37	S 27
M28	0 50 3	10°37'13	29° 3	0♎20	20°37	5°32	10°43	14° 3	6°23	1°12	7°30	28°R 1	27° 2	1°31	2°45	M28
T 29	0 54 0	11°36'52	12♒26	2° 3	21°51	6° 9	10°55	14°10	6°24	1°11	7°29	28° 1	26°58	1°38	2°53	T 29
W30	0 57 56	12♎36'33	26♒18	3♎46	23♍ 6	6♍46	11♏ 8	14♎17	6♑25	1♊10	7♓28	27♋58	26♋55	1♏45	3♏ 0	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n20	19s37	0s22	6n48	2s16	16n32	0n50	16n29	1n13	12s35	0n54	2s12	2n19	23s48	0s23	18n56	1s39	22s49	15s24	20n12	20n34	6s11	10s51	0n31
W 2	5 57	16 56	1 36	7 24	1 56	16 11	0 52	16 17	1 13	12 39	0 54	2 15	2 18	23 48	0 23	18 56	1 39	22 49	15 24	20 12	20 35	6 13	10 53	0 31
T 3	5 34	13 9	2 46	7 57	1 36	15 50	0 55	16 5	1 13	12 43	0 54	2 17	2 18	23 48	0 23	18 56	1 39	22 50	15 24	20 13	20 36	6 16	10 55	0 31
F 4	5 11	8 29	3 46	8 27	1 16	15 29	0 57	15 54	1 13	12 46	0 53	2 20	2 18	23 48	0 23	18 56	1 39	22 50	15 24	20 14	20 36	6 18	10 57	0 32
S 5	4 48	3 14	4 32	8 53	0 56	15 7	0 59	15 42	1 14	12 50	0 53	2 23	2 18	23 48	0 23	18 56	1 39	22 51	15 24	20 16	20 37	6 21	11 0	0 32
S 6	4 25	2n13	5 0	9 15	0 37	14 45	1 1	15 30	1 14	12 54	0 53	2 26	2 18	23 48	0 23	18 56	1 39	22 51	15 24	20 17	20 38	6 23	11 2	0 32
M 7	4 2	7 32	5 6	9 33	0 19	14 22	1 3	15 17	1 14	12 57	0 53	2 28	2 18	23 48	0 23	18 56	1 39	22 51	15 24	20 19	20 38	6 25	11 4	0 32
T 8	3 39	12 19	4 53	9 47	0 1	13 59	1 5	15 5	1 14	13 1	0 53	2 31	2 18	23 48	0 23	18 56	1 39	22 52	15 24	20 20	20 39	6 28	11 6	0 33
W 9	3 15	16 18	4 21	9 56	0n16	13 35	1 7	14 53	1 14	13 5	0 53	2 34	2 18	23 48	0 23	18 55	1 39	22 52	15 24	20 21	20 40	6 30	11 9	0 33
T 10	2 52	19 14	3 34	10 0	0 31	13 11	1 9	14 40	1 15	13 9	0 52	2 37	2 18	23 48	0 23	18 55	1 40	22 53	15 24	20 21	20 40	6 32	11 11	0 33
F 11	2 28	20 58	2 35	9 59	0 45	12 47	1 10	14 28	1 15	13 13	0 52	2 40	2 18	23 48	0 23	18 55	1 40	22 53	15 24	20 21	20 41	6 35	11 13	0 33
S 12	2 5	21 28	1 30	9 54	0 58	12 22	1 12	14 15	1 15	13 17	0 52	2 42	2 18	23 48	0 23	18 55	1 40	22 53	15 24	20 21	20 41	6 37	11 16	0 33
S 13	1 41	20 46	0 21	9 44	1 10	11 57	1 14	14 3	1 15	13 20	0 52	2 45	2 18	23 48	0 23	18 55	1 40	22 54	15 24	20 21	20 42	6 39	11 18	0 34
M14	1 18	19 0	0n48	9 30	1 20	11 32	1 15	13 50	1 15	13 24	0 52	2 48	2 18	23 48	0 23	18 55	1 40	22 54	15 23	20 21	20 43	6 42	11 20	0 34
T 15	0 54	16 20	1 52	9 12	1 29	11 6	1 17	13 37	1 16	13 28	0 52	2 51	2 18	23 48	0 23	18 55	1 40	22 54	15 23	20 21	20 43	6 44	11 23	0 34
W16	0 30	12 57	2 51	8 51	1 36	10 40	1 18	13 24	1 16	13 32	0 51	2 54	2 18	23 48	0 23	18 54	1 40	22 55	15 23	20 22	20 44	6 47	11 25	0 34
T 17	0 7	9 3	3 40	8 26	1 43	10 14	1 19	13 11	1 16	13 36	0 51	2 56	2 17	23 48	0 23	18 54	1 40	22 55	15 23	20 24	20 45	6 49	11 27	0 35
F 18	0s17	4 50	4 19	7 58	1 48	9 47	1 21	12 58	1 16	13 40	0 51	2 59	2 17	23 48	0 23	18 54	1 40	22 55	15 23	20 26	20 45	6 51	11 30	0 35
S 19	0 41	0 29	4 46	7 27	1 52	9 20	1 22	12 45	1 16	13 44	0 51	3 2	2 17	23 48	0 23	18 54	1 40	22 56	15 23	20 28	20 46	6 54	11 32	0 35
S 20	1 4	3s52	5 0	6 54	1 55	8 53	1 23	12 32	1 17	13 48	0 51	3 5	2 17	23 48	0 23	18 54	1 40	22 56	15 23	20 31	20 46	6 56	11 35	0 35
M21	1 28	8 4	5 1	6 19	1 56	8 25	1 24	12 19	1 17	13 52	0 51	3 8	2 17	23 48	0 23	18 54	1 40	22 56	15 23	20 34	20 47	6 58	11 37	0 35
T 22	1 52	11 56	4 49	5 42	1 58	7 57	1 25	12 5	1 17	13 56	0 51	3 11	2 17	23 48	0 23	18 53	1 40	22 57	15 23	20 36	20 48	7 1	11 40	0 36
W23	2 15	15 22	4 25	5 3	1 58	7 29	1 26	11 52	1 17	14 0	0 50	3 13	2 17	23 48	0 23	18 53	1 40	22 57	15 22	20 37	20 48	7 3	11 42	0 36
T 24	2 39	18 11	3 49	4 22	1 57	7 1	1 27	11 39	1 17	14 4	0 50	3 16	2 17	23 47	0 23	18 53	1 40	22 57	15 22	20 39	20 49	7 6	11 44	0 36
F 25	3 3	20 15	3 2	3 41	1 56	6 33	1 28	11 25	1 17	14 8	0 50	3 19	2 17	23 47	0 23	18 53	1 40	22 57	15 22	20 39	20 50	7 8	11 47	0 36
S 26	3 26	21 25	2 6	2 59	1 54	6 4	1 28	11 12	1 18	14 12	0 50	3 22	2 17	23 47	0 23	18 52	1 40	22 58	15 22	20 40	20 50	7 10	11 49	0 37
S 27	3 50	21 33	1 3	2 15	1 51	5 35	1 29	10 58	1 18	14 16	0 50	3 25	2 17	23 47	0 23	18 52	1 40	22 58	15 22	20 40	20 51	7 13	11 52	0 37
M28	4 13	20 32	0s 5	1 31	1 48	5 6	1 29	10 44	1 18	14 20	0 50	3 28	2 17	23 47	0 23	18 52	1 40	22 58	15 22	20 40	20 51	7 15	11 54	0 37
T 29	4 37	18 22	1 16	0 47	1 45	4 37	1 30	10 31	1 18	14 24	0 50	3 30	2 17	23 47	0 23	18 52	1 40	22 58	15 21	20 40	20 52	7 17	11 57	0 37
W30	5s 0	15s 4	2s24	0n 2	1n41	4n 8	1n30	10n17	1n18	14s28	0n49	3s33	2n17	23s47	0s23	18n52	1s40	22s59	15s21	20n40	20n53	7s20	11s59	0n38

Julian Day Number = 2111753.5, Delta T = 19m26s
Ecliptic obliquity = 23°33'32, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°46'18, Lahiri = 10°53'18 Julian Calendar 1 Sept. 1069 == Greg. Calendar 7 Sept. 1069

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1069
geocentric

OCTOBER 1069 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 1 53	13♎36'16	10♓40	5♎29	24♍21	7♍24	11♏20	14♎24	6♑26	1°R 9	7°R28	27°R53	26♋52	1♏52	3♏ 8	T 1
F 2	1 5 50	14°36'00	25°29	7°11	25°36	8° 1	11°33	14°31	6°27	1♊ 8	7♓27	27♋45	26°49	1°58	3°16	F 2
S 3	1 9 46	15°35'46	10♈37	8°54	26°50	8°38	11°45	14°39	6°28	1° 7	7°26	27°35	26°46	2° 5	3°24	S 3
S 4	1 13 43	16°35'35	25°56	10°36	28° 5	9°16	11°58	14°46	6°30	1° 6	7°25	27°23	26°43	2°12	3°32	S 4
M 5	1 17 39	17°35'25	11♉13	12°17	29°20	9°53	12°11	14°53	6°31	1° 5	7°24	27°13	26°39	2°19	3°40	M 5
T 6	1 21 36	18°35'18	26°18	13°59	0♎35	10°30	12°23	15° 0	6°32	1° 4	7°23	27° 3	26°36	2°25	3°48	T 6
W 7	1 25 32	19°35'12	11♊ 2	15°40	1°50	11° 8	12°36	15° 8	6°34	1° 3	7°22	26°57	26°33	2°32	3°56	W 7
T 8	1 29 29	20°35'10	25°19	17°20	3° 5	11°45	12°49	15°15	6°35	1° 2	7°21	26°52	26°30	2°39	4° 4	T 8
F 9	1 33 25	21°35'09	9♋ 8	19° 0	4°20	12°22	13° 2	15°22	6°36	1° 0	7°20	26°51	26°27	2°45	4°12	F 9
S 10	1 37 22	22°35'10	22°30	20°40	5°35	12°59	13°15	15°29	6°38	0°59	7°20	26°50	26°23	2°52	4°21	S 10
S 11	1 41 19	23°35'14	5♌29	22°19	6°50	13°37	13°28	15°37	6°40	0°58	7°19	26°50	26°20	2°59	4°29	S 11
M12	1 45 15	24°35'20	18° 8	23°57	8° 5	14°14	13°41	15°44	6°41	0°57	7°18	26°49	26°17	3° 6	4°37	M12
T 13	1 49 12	25°35'28	0♍32	25°35	9°20	14°51	13°54	15°51	6°43	0°55	7°17	26°46	26°14	3°12	4°45	T 13
W14	1 53 8	26°35'38	12°44	27°13	10°35	15°28	14° 7	15°58	6°44	0°54	7°17	26°40	26°11	3°19	4°53	W14
T 15	1 57 5	27°35'50	24°48	28°50	11°50	16° 5	14°20	16° 5	6°46	0°53	7°16	26°30	26° 8	3°26	5° 1	T 15
F 16	2 1 1	28°36'04	6♎46	0♏27	13° 6	16°43	14°33	16°12	6°48	0°51	7°15	26°18	26° 4	3°32	5° 9	F 16
S 17	2 4 58	29°36'20	18°41	2° 3	14°21	17°20	14°46	16°20	6°50	0°50	7°14	26° 4	26° 1	3°39	5°18	S 17
S 18	2 8 54	0♏36'38	0♏34	3°39	15°36	17°57	14°59	16°27	6°52	0°49	7°14	25°49	25°58	3°46	5°26	S 18
M19	2 12 51	1°36'58	12°26	5°15	16°51	18°34	15°12	16°34	6°54	0°47	7°13	25°34	25°55	3°53	5°34	M19
T 20	2 16 47	2°37'19	24°18	6°50	18° 6	19°11	15°25	16°41	6°56	0°46	7°13	25°21	25°52	3°59	5°42	T 20
W21	2 20 44	3°37'42	6♐12	8°25	19°22	19°48	15°39	16°48	6°58	0°44	7°12	25°10	25°49	4° 6	5°50	W21
T 22	2 24 41	4°38'07	18°11	9°59	20°37	20°25	15°52	16°55	7° 0	0°43	7°11	25° 2	25°45	4°13	5°59	T 22
F 23	2 28 37	5°38'33	0♑16	11°33	21°52	21° 2	16° 5	17° 2	7° 2	0°41	7°11	24°57	25°42	4°20	6° 7	F 23
S 24	2 32 34	6°39'01	12°33	13° 7	23° 8	21°39	16°18	17° 9	7° 4	0°40	7°10	24°55	25°39	4°26	6°15	S 24
S 25	2 36 30	7°39'30	25° 4	14°41	24°23	22°16	16°32	17°16	7° 6	0°38	7°10	24°D54	25°36	4°33	6°23	S 25
M26	2 40 27	8°40'01	7♒54	16°14	25°38	22°53	16°45	17°23	7° 8	0°37	7° 9	24°R54	25°33	4°40	6°31	M26
T 27	2 44 23	9°40'32	21° 9	17°47	26°54	23°30	16°58	17°30	7°11	0°35	7° 9	24°54	25°29	4°46	6°39	T 27
W28	2 48 20	10°41'05	4♓50	19°20	28° 9	24° 7	17°12	17°37	7°13	0°33	7° 8	24°52	25°26	4°53	6°48	W28
T 29	2 52 16	11°41'40	19° 1	20°52	29°24	24°44	17°25	17°43	7°15	0°32	7° 8	24°47	25°23	5° 0	6°56	T 29
F 30	2 56 13	12°42'15	3♈40	22°25	0♏40	25°21	17°39	17°50	7°18	0°30	7° 8	24°40	25°20	5° 7	7° 4	F 30
S 31	3 0 10	13♏42'52	18♈42	23♏57	1♏55	25♍57	17♏52	17♎57	7♑20	0♊29	7♓ 7	24♋31	25♋17	5♏13	7♏12	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	5 s24	10 s46	3 s25	0 s43	1n37	3n39	1n31	10n 3	1n18	14 s32	0n49	3 s36	2n17	23 s47	0 s23	18n51	1 s40	22 s59	15 s21	20n41	20n53	7 s22	12 s 2	0n38	
F 2	5 47	5 42	4 15	1 28	1 32	3 9	1 31	9 49	1 18	14 36	0 49	3 39	2 17	23 47	0 23	18 51	1 40	22 59	15 21	20 43	20 54	7 24	12 4	0 38	
S 3	6 10	0 11	4 48	2 13	1 27	2 39	1 31	9 35	1 19	14 40	0 49	3 42	2 17	23 47	0 23	18 51	1 41	22 59	15 21	20 45	20 55	7 27	12 7	0 38	
S 4	6 33	5n24	5 0	2 58	1 22	2 10	1 31	9 21	1 19	14 44	0 49	3 44	2 17	23 47	0 23	18 51	1 41	22 59	15 20	20 47	20 55	7 29	12 9	0 38	
M 5	6 56	10 39	4 52	3 43	1 16	1 40	1 31	9 7	1 19	14 48	0 49	3 47	2 17	23 47	0 23	18 50	1 41	22 59	15 20	20 49	20 56	7 32	12 12	0 39	
T 6	7 19	15 10	4 23	4 28	1 10	1 10	1 31	8 53	1 19	14 52	0 49	3 50	2 17	23 47	0 23	18 50	1 41	23 0	15 20	20 51	20 56	7 34	12 14	0 39	
W 7	7 42	18 38	3 37	5 12	1 5	0 40	1 31	8 39	1 19	14 56	0 49	3 53	2 17	23 47	0 23	18 50	1 41	23 0	15 20	20 52	20 57	7 36	12 17	0 39	
T 8	8 5	20 50	2 38	5 56	0 58	0 10	1 31	8 25	1 19	15 0	0 49	3 55	2 17	23 47	0 23	18 49	1 41	23 0	15 20	20 53	20 58	7 39	12 19	0 39	
F 9	8 27	21 43	1 32	6 40	0 52	0s20	1 31	8 11	1 19	15 4	0 48	3 58	2 17	23 46	0 23	18 49	1 41	23 0	15 19	20 54	20 58	7 41	12 22	0 40	
S 10	8 50	21 18	0 23	7 24	0 46	0 50	1 31	7 56	1 20	15 8	0 48	4 1	2 17	23 46	0 23	18 49	1 41	23 0	15 19	20 54	20 59	7 43	12 24	0 40	
S 11	9 12	19 44	0n45	8 7	0 40	1 21	1 30	7 42	1 20	15 12	0 48	4 4	2 17	23 46	0 23	18 49	1 41	23 0	15 19	20 54	20 59	7 46	12 27	0 40	
M12	9 34	17 13	1 50	8 50	0 33	1 51	1 30	7 28	1 20	15 16	0 48	4 6	2 17	23 46	0 23	18 48	1 41	23 0	15 19	20 54	21 0	7 48	12 29	0 40	
T 13	9 56	13 57	2 48	9 32	0 26	2 21	1 30	7 13	1 20	15 20	0 48	4 9	2 17	23 46	0 23	18 48	1 41	23 0	15 18	20 54	21 1	7 50	12 32	0 41	
W14	10 18	10 9	3 37	10 13	0 20	2 51	1 29	6 59	1 20	15 23	0 48	4 12	2 17	23 46	0 23	18 48	1 41	23 0	15 18	20 56	21 1	7 53	12 34	0 41	
T 15	10 40	5 59	4 15	10 54	0 13	3 21	1 28	6 45	1 20	15 27	0 48	4 15	2 18	23 46	0 23	18 47	1 41	23 0	15 18	20 57	21 2	7 55	12 37	0 41	
F 16	11 2	1 37	4 42	11 35	0 7	3 51	1 28	6 30	1 20	15 31	0 48	4 17	2 18	23 46	0 23	18 47	1 41	23 0	15 18	21 0	21 2	7 57	12 39	0 41	
S 17	11 23	2 s47	4 57	12 15	0 s 0	4 21	1 27	6 16	1 21	15 35	0 48	4 20	2 18	23 46	0 23	18 47	1 41	23 0	15 17	21 2	21 3	8 0	12 42	0 42	
S 18	11 45	7 4	4 58	12 54	0 7	4 51	1 26	6 1	1 21	15 39	0 47	4 23	2 18	23 46	0 23	18 47	1 41	23 0	15 17	21 5	21 4	8 2	12 44	0 42	
M19	12 6	11 6	4 47	13 33	0 13	5 21	1 25	5 47	1 21	15 43	0 47	4 25	2 18	23 46	0 23	18 46	1 41	23 0	15 17	21 8	21 4	8 5	12 47	0 42	
T 20	12 27	14 42	4 23	14 11	0 20	5 50	1 24	5 32	1 21	15 47	0 47	4 28	2 18	23 45	0 23	18 46	1 41	23 0	15 17	21 10	21 5	8 7	12 49	0 42	
W21	12 47	17 43	3 47	14 48	0 27	6 20	1 23	5 18	1 21	15 51	0 47	4 31	2 18	23 45	0 23	18 46	1 41	23 0	15 16	21 12	21 5	8 9	12 52	0 43	
T 22	13 8	20 1	3 1	15 24	0 33	6 49	1 22	5 3	1 21	15 55	0 47	4 33	2 18	23 45	0 23	18 45	1 41	23 0	15 16	21 14	21 6	8 12	12 54	0 43	
F 23	13 28	21 27	2 6	16 0	0 40	7 19	1 21	4 49	1 21	15 59	0 47	4 36	2 18	23 45	0 23	18 45	1 41	23 0	15 16	21 15	21 7	8 14	12 57	0 43	
S 24	13 48	21 53	1 5	16 35	0 46	7 48	1 20	4 34	1 21	16 3	0 47	4 39	2 18	23 45	0 23	18 45	1 41	23 0	15 15	21 15	21 7	8 16	12 59	0 43	
S 25	14 8	21 14	0 s 1	17 9	0 52	8 17	1 19	4 20	1 21	16 7	0 47	4 41	2 18	23 45	0 23	18 44	1 41	23 0	15 15	21 15	21 8	8 19	13 2	0 44	
M26	14 28	19 29	1 8	17 43	0 58	8 45	1 18	4 5	1 21	16 11	0 47	4 44	2 18	23 45	0 23	18 44	1 41	23 0	15 15	21 15	21 8	8 21	13 4	0 44	
T 27	14 47	16 38	2 14	18 15	1 5	9 14	1 16	3 50	1 22	16 15	0 47	4 46	2 18	23 45	0 23	18 44	1 41	23 0	15 15	21 15	21 9	8 23	13 7	0 44	
W28	15 6	12 48	3 15	18 47	1 10	9 42	1 15	3 36	1 22	16 18	0 47	4 49	2 18	23 44	0 23	18 43	1 41	23 0	15 14	21 16	21 9	8 26	13 9	0 44	
T 29	15 25	8 8	4 6	19 17	1 16	10 11	1 13	3 21	1 22	16 22	0 46	4 51	2 18	23 44	0 23	18 43	1 41	23 0	15 14	21 17	21 10	8 28	13 12	0 45	
F 30	15 44	2 51	4 42	19 47	1 22	10 38	1 12	3 7	1 22	16 26	0 46	4 54	2 19	23 44	0 23	18 43	1 41	23 0	15 14	21 18	21 11	8 31	13 14	0 45	
S 31	16 s 2	2n44	5 s 0	20 s16	1 s27	11 s 6	1n10	2n52	1n22	16 s30	0n46	4 s56	2n19	23 s44	0 s23	18n42	1 s41	23 s 0	15 s13	21n20	21n11	8 s33	13 s17	0n45	

Julian Day Number = 2111783.5, Delta T = 19m26s
Ecliptic obliquity = 23°33'32, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°46'22, Lahiri = 10°53'22 Julian Calendar 1 Oct. 1069 == Greg. Calendar 7 Oct. 1069

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1069
geocentric

NOVEMBER 1069 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 4 6	14♏43'30	3♉59	25♏28	3♏11	26♍34	18♏ 5	18♎ 4	7♑22	0°R27	7°R 7	24°R20	25♋14	5♏20	7♏20	S 1
M 2	3 8 3	15°44'10	19°20	27° 0	4°26	27°11	18°19	18°11	7°25	0♊25	7♓ 7	24♋10	25°10	5°27	7°28	M 2
T 3	3 11 59	16°44'51	4♊34	28°31	5°42	27°48	18°32	18°17	7°27	0°24	7° 6	24° 1	25° 7	5°33	7°36	T 3
W 4	3 15 56	17°45'33	19°29	0♐ 3	6°57	28°25	18°46	18°24	7°30	0°22	7° 6	23°54	25° 4	5°40	7°45	W 4
T 5	3 19 52	18°46'18	3♋59	1°34	8°12	29° 1	18°59	18°30	7°33	0°21	7° 6	23°50	25° 1	5°47	7°53	T 5
F 6	3 23 49	19°47'03	17°59	3° 4	9°28	29°38	19°12	18°37	7°35	0°19	7° 5	23°D48	24°58	5°54	8° 1	F 6
S 7	3 27 45	20°47'51	1♌31	4°35	10°43	0♎15	19°26	18°44	7°38	0°17	7° 5	23°48	24°55	6° 0	8° 9	S 7
S 8	3 31 42	21°48'40	14°35	6° 5	11°59	0°51	19°39	18°50	7°41	0°16	7° 5	23°49	24°51	6° 7	8°17	S 8
M 9	3 35 39	22°49'30	27°16	7°34	13°14	1°28	19°53	18°57	7°43	0°14	7° 5	23°R49	24°48	6°14	8°25	M 9
T 10	3 39 35	23°50'22	9♍38	9° 4	14°30	2° 5	20° 6	19° 3	7°46	0°12	7° 5	23°48	24°45	6°21	8°33	T 10
W11	3 43 32	24°51'15	21°47	10°33	15°45	2°41	20°19	19° 9	7°49	0°10	7° 5	23°44	24°42	6°27	8°41	W11
T 12	3 47 28	25°52'10	3♎47	12° 1	17° 1	3°18	20°33	19°16	7°52	0° 9	7° 5	23°38	24°39	6°34	8°49	T 12
F 13	3 51 25	26°53'06	15°40	13°29	18°16	3°54	20°46	19°22	7°55	0° 7	7° 5	23°29	24°35	6°41	8°57	F 13
S 14	3 55 21	27°54'03	27°32	14°57	19°32	4°31	21° 0	19°28	7°58	0° 5	7° 4	23°19	24°32	6°47	9° 5	S 14
S 15	3 59 18	28°55'02	9♏23	16°23	20°47	5° 7	21°13	19°34	8° 1	0° 4	7°D 4	23° 7	24°29	6°54	9°13	S 15
M16	4 3 14	29°56'01	21°17	17°49	22° 3	5°44	21°26	19°40	8° 4	0° 2	7° 4	22°56	24°26	7° 1	9°20	M16
T 17	4 7 11	0♐57'02	3♐14	19°13	23°19	6°20	21°40	19°46	8° 6	0° 0	7° 5	22°46	24°23	7° 8	9°28	T 17
W18	4 11 8	1°58'03	15°16	20°37	24°34	6°57	21°53	19°52	8°10	29♉59	7° 5	22°38	24°20	7°14	9°36	W18
T 19	4 15 4	2°59'06	27°23	21°59	25°50	7°33	22° 6	19°58	8°13	29°57	7° 5	22°32	24°16	7°21	9°44	T 19
F 20	4 19 1	4° 0'09	9♑39	23°19	27° 5	8° 9	22°20	20° 4	8°16	29°55	7° 5	22°29	24°13	7°28	9°51	F 20
S 21	4 22 57	5° 1'13	22° 5	24°38	28°21	8°46	22°33	20°10	8°19	29°53	7° 5	22°D28	24°10	7°34	9°59	S 21
S 22	4 26 54	6° 2'18	4♒43	25°54	29°36	9°22	22°46	20°16	8°22	29°52	7° 5	22°29	24° 7	7°41	10° 7	S 22
M23	4 30 50	7° 3'23	17°36	27° 8	0♐52	9°58	23° 0	20°22	8°25	29°50	7° 5	22°30	24° 4	7°48	10°14	M23
T 24	4 34 47	8° 4'29	0♓49	28°19	2° 7	10°34	23°13	20°27	8°28	29°48	7° 5	22°31	24° 0	7°55	10°22	T 24
W25	4 38 44	9° 5'35	14°23	29°26	3°23	11°11	23°26	20°33	8°31	29°47	7° 6	22°R31	23°57	8° 1	10°30	W25
T 26	4 42 40	10° 6'41	28°20	0♑29	4°39	11°47	23°39	20°38	8°35	29°45	7° 6	22°30	23°54	8° 8	10°37	T 26
F 27	4 46 37	11° 7'47	12♈41	1°28	5°54	12°23	23°52	20°44	8°38	29°43	7° 6	22°26	23°51	8°15	10°45	F 27
S 28	4 50 33	12° 8'54	27°23	2°21	7°10	12°59	24° 5	20°49	8°41	29°42	7° 7	22°21	23°48	8°21	10°52	S 28
S 29	4 54 30	13°10'02	12♉21	3° 8	8°25	13°35	24°19	20°55	8°44	29°40	7° 7	22°15	23°45	8°28	10°59	S 29
M30	4 58 26	14♐11'09	27♉25	3♑48	9♐41	14♎11	24♏32	21♎ 0	8♑48	29♉38	7♓ 7	22♋ 9	23♋41	8♏35	11♏ 7	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s20	8n14	4s58	20s44	1s33	11s34	1n 9	2n37	1n22	16s34	0n46	4s59	2n19	23s44	0s23	18n42	1s41	22s59	15s13	21n21	21n12	8s35	13s19	0n45
M 2	16 38	13 16	4 34	21 10	1 38	12 1	1 7	2 23	1 22	16 38	0 46	5 1	2 19	23 44	0 23	18 42	1 41	22 59	15 13	21 23	21 12	8 38	13 21	0 46
T 3	16 55	17 23	3 50	21 36	1 43	12 28	1 5	2 8	1 22	16 41	0 46	5 4	2 19	23 44	0 23	18 41	1 41	22 59	15 12	21 25	21 13	8 40	13 24	0 46
W 4	17 13	20 17	2 52	22 1	1 48	12 54	1 4	1 53	1 22	16 45	0 46	5 6	2 19	23 43	0 23	18 41	1 41	22 59	15 12	21 26	21 14	8 42	13 26	0 46
T 5	17 30	21 46	1 43	22 24	1 52	13 20	1 2	1 39	1 22	16 49	0 46	5 9	2 19	23 43	0 23	18 40	1 41	22 59	15 12	21 27	21 14	8 45	13 29	0 46
F 6	17 46	21 50	0 31	22 47	1 56	13 46	1 0	1 24	1 22	16 53	0 46	5 11	2 19	23 43	0 23	18 40	1 41	22 59	15 11	21 27	21 15	8 47	13 31	0 47
S 7	18 3	20 35	0n41	23 8	2 0	14 12	0 58	1 10	1 22	16 56	0 46	5 13	2 19	23 43	0 23	18 40	1 41	22 58	15 11	21 27	21 15	8 49	13 33	0 47
S 8	18 19	18 16	1 49	23 28	2 4	14 37	0 56	0 55	1 22	17 0	0 46	5 16	2 20	23 43	0 23	18 39	1 41	22 58	15 11	21 27	21 16	8 52	13 36	0 47
M 9	18 34	15 7	2 49	23 47	2 8	15 2	0 54	0 40	1 23	17 4	0 46	5 18	2 20	23 43	0 23	18 39	1 41	22 58	15 11	21 27	21 16	8 54	13 38	0 47
T 10	18 50	11 22	3 39	24 4	2 11	15 26	0 52	0 26	1 23	17 7	0 46	5 20	2 20	23 42	0 23	18 39	1 41	22 58	15 10	21 27	21 17	8 56	13 40	0 48
W11	19 5	7 14	4 19	24 20	2 13	15 50	0 50	0 11	1 23	17 11	0 46	5 23	2 20	23 42	0 23	18 38	1 41	22 57	15 10	21 28	21 18	8 59	13 43	0 48
T 12	19 19	2 52	4 47	24 35	2 16	16 14	0 48	0s 3	1 23	17 15	0 46	5 25	2 20	23 42	0 23	18 38	1 41	22 57	15 10	21 29	21 18	9 1	13 45	0 48
F 13	19 33	1s34	5 2	24 49	2 18	16 37	0 46	0 18	1 23	17 18	0 45	5 27	2 20	23 42	0 23	18 38	1 41	22 57	15 9	21 30	21 19	9 3	13 47	0 48
S 14	19 47	5 55	5 4	25 1	2 20	17 0	0 44	0 32	1 23	17 22	0 45	5 29	2 20	23 42	0 23	18 37	1 41	22 57	15 9	21 32	21 19	9 6	13 49	0 49
S 15	20 1	10 4	4 53	25 11	2 21	17 22	0 42	0 47	1 23	17 25	0 45	5 32	2 20	23 42	0 23	18 37	1 41	22 56	15 9	21 34	21 20	9 8	13 52	0 49
M16	20 14	13 51	4 29	25 21	2 21	17 44	0 40	1 1	1 23	17 29	0 45	5 34	2 21	23 41	0 23	18 37	1 41	22 56	15 8	21 36	21 20	9 10	13 54	0 49
T 17	20 27	17 6	3 53	25 28	2 22	18 5	0 37	1 16	1 23	17 33	0 45	5 36	2 21	23 41	0 23	18 36	1 41	22 56	15 8	21 38	21 21	9 13	13 56	0 50
W18	20 40	19 39	3 6	25 34	2 21	18 26	0 35	1 30	1 23	17 36	0 45	5 38	2 21	23 41	0 23	18 36	1 41	22 55	15 8	21 39	21 22	9 15	13 58	0 50
T 19	20 52	21 21	2 11	25 39	2 20	18 47	0 33	1 45	1 23	17 40	0 45	5 40	2 21	23 41	0 23	18 35	1 41	22 55	15 7	21 40	21 22	9 18	14 1	0 50
F 20	21 3	22 4	1 9	25 42	2 19	19 6	0 31	1 59	1 23	17 43	0 45	5 42	2 21	23 41	0 23	18 35	1 41	22 55	15 7	21 40	21 23	9 20	14 3	0 50
S 21	21 14	21 42	0 2	25 43	2 16	19 26	0 28	2 13	1 23	17 46	0 45	5 44	2 21	23 40	0 23	18 35	1 41	22 54	15 7	21 41	21 23	9 22	14 5	0 51
S 22	21 25	20 15	1s 6	25 43	2 13	19 45	0 26	2 28	1 23	17 50	0 45	5 46	2 22	23 40	0 23	18 34	1 41	22 54	15 6	21 40	21 24	9 25	14 7	0 51
M23	21 36	17 43	2 12	25 41	2 9	20 3	0 24	2 42	1 23	17 53	0 45	5 48	2 22	23 40	0 23	18 34	1 41	22 54	15 6	21 40	21 24	9 27	14 9	0 51
T 24	21 46	14 14	3 12	25 38	2 5	20 20	0 21	2 56	1 23	17 57	0 45	5 50	2 22	23 40	0 23	18 34	1 41	22 53	15 6	21 40	21 25	9 29	14 11	0 52
W25	21 55	9 55	4 4	25 33	1 59	20 37	0 19	3 10	1 23	18 0	0 45	5 52	2 22	23 40	0 23	18 33	1 41	22 53	15 5	21 40	21 25	9 32	14 13	0 52
T 26	22 5	4 59	4 43	25 26	1 53	20 54	0 17	3 24	1 23	18 3	0 45	5 54	2 22	23 39	0 23	18 33	1 41	22 52	15 5	21 40	21 26	9 34	14 15	0 52
F 27	22 13	0n21	5 5	25 18	1 45	21 10	0 14	3 39	1 23	18 7	0 45	5 56	2 22	23 39	0 23	18 33	1 41	22 52	15 5	21 41	21 27	9 36	14 17	0 52
S 28	22 22	5 48	5 9	25 8	1 36	21 25	0 12	3 53	1 23	18 10	0 45	5 58	2 23	23 39	0 23	18 32	1 41	22 52	15 4	21 42	21 27	9 39	14 19	0 53
S 29	22 30	11 0	4 51	24 58	1 26	21 40	0 10	4 7	1 23	18 13	0 45	6 0	2 23	23 39	0 23	18 32	1 41	22 51	15 4	21 43	21 28	9 41	14 22	0 53
M30	22s37	15n34	4s13	24s45	1s15	21s54	0n 7	4s21	1n23	18s16	0n45	6s 2	2n23	23s38	0s23	18n32	1s41	22s51	15s 4	21n44	21n28	9s43	14s23	0n53

Julian Day Number = 2111814.5, Delta T = 19m26s
Ecliptic obliquity = 23°33'32, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°46'26, Lahiri = 10°53'27 Julian Calendar 1 Nov. 1069 == Greg. Calendar 7 Nov. 1069

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1069
geocentric

DECEMBER 1069 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 2 23	15♐12'17	12♊28	4♑20	10♐56	14♎47	24♏45	21♎ 5	8♑51	29°R37	7♓ 8	22°R 4	23♋38	8♏42	11♏14	T 1
W 2	5 6 19	16°13'26	27°19	4°44	12°12	15°23	24°58	21°10	8°54	29♉35	7° 8	22♋ 0	23°35	8°48	11°21	W 2
T 3	5 10 16	17°14'35	11♋51	4°58	13°27	15°59	25°11	21°15	8°58	29°34	7° 8	21°58	23°32	8°55	11°28	T 3
F 4	5 14 13	18°15'45	25°58	5°R 1	14°43	16°35	25°24	21°20	9° 1	29°32	7° 9	21°D58	23°29	9° 2	11°36	F 4
S 5	5 18 9	19°16'55	9♌37	4°54	15°58	17°10	25°36	21°25	9° 4	29°30	7° 9	21°59	23°26	9° 9	11°43	S 5
S 6	5 22 6	20°18'05	22°50	4°34	17°14	17°46	25°49	21°30	9° 8	29°29	7°10	22° 0	23°22	9°15	11°50	S 6
M 7	5 26 2	21°19'16	5♍39	4° 3	18°29	18°22	26° 2	21°35	9°11	29°27	7°10	22° 2	23°19	9°22	11°57	M 7
T 8	5 29 59	22°20'27	18° 6	3°21	19°45	18°58	26°15	21°40	9°15	29°26	7°11	22°R 3	23°16	9°29	12° 4	T 8
W 9	5 33 55	23°21'39	0♎18	2°27	21° 0	19°33	26°28	21°44	9°18	29°24	7°12	22° 3	23°13	9°35	12°10	W 9
T 10	5 37 52	24°22'51	12°18	1°24	22°16	20° 9	26°40	21°49	9°22	29°23	7°12	22° 1	23°10	9°42	12°17	T 10
F 11	5 41 48	25°24'04	24°11	0°12	23°31	20°45	26°53	21°53	9°25	29°21	7°13	21°59	23° 6	9°49	12°24	F 11
S 12	5 45 45	26°25'17	6♏ 2	28♐55	24°47	21°20	27° 5	21°58	9°29	29°20	7°13	21°55	23° 3	9°56	12°31	S 12
S 13	5 49 42	27°26'30	17°54	27°34	26° 3	21°56	27°18	22° 2	9°32	29°18	7°14	21°51	23° 0	10° 2	12°37	S 13
M14	5 53 38	28°27'43	29°50	26°13	27°18	22°31	27°31	22° 6	9°36	29°17	7°15	21°46	22°57	10° 9	12°44	M14
T 15	5 57 35	29°28'57	11♐53	24°54	28°34	23° 6	27°43	22°11	9°39	29°15	7°15	21°42	22°54	10°16	12°50	T 15
W16	6 1 31	0♑30'10	24° 5	23°39	29°49	23°42	27°55	22°15	9°43	29°14	7°16	21°39	22°51	10°22	12°57	W16
T 17	6 5 28	1°31'24	6♑26	22°30	1♑ 5	24°17	28° 8	22°19	9°46	29°12	7°17	21°37	22°47	10°29	13° 3	T 17
F 18	6 9 24	2°32'37	18°59	21°30	2°20	24°52	28°20	22°23	9°50	29°11	7°18	21°D37	22°44	10°36	13°10	F 18
S 19	6 13 21	3°33'50	1♒42	20°38	3°36	25°27	28°32	22°26	9°53	29°10	7°19	21°37	22°41	10°43	13°16	S 19
S 20	6 17 17	4°35'02	14°39	19°56	4°51	26° 3	28°44	22°30	9°57	29° 8	7°19	21°38	22°38	10°49	13°22	S 20
M21	6 21 14	5°36'14	27°48	19°25	6° 7	26°38	28°56	22°34	10° 0	29° 7	7°20	21°39	22°35	10°56	13°28	M21
T 22	6 25 11	6°37'25	11♓12	19° 3	7°22	27°13	29° 8	22°37	10° 4	29° 6	7°21	21°40	22°32	11° 3	13°34	T 22
W23	6 29 7	7°38'36	24°50	18°51	8°37	27°48	29°20	22°41	10° 7	29° 5	7°22	21°41	22°28	11° 9	13°40	W23
T 24	6 33 4	8°39'46	8♈43	18°D47	9°53	28°23	29°32	22°44	10°11	29° 3	7°23	21°R42	22°25	11°16	13°46	T 24
F 25	6 37 0	9°40'55	22°51	18°53	11° 8	28°57	29°44	22°48	10°15	29° 2	7°24	21°41	22°22	11°23	13°52	F 25
S 26	6 40 57	10°42'03	7♉12	19° 6	12°24	29°32	29°56	22°51	10°18	29° 1	7°25	21°41	22°19	11°30	13°58	S 26
S 27	6 44 53	11°43'11	21°44	19°26	13°39	0♏ 7	0♐ 7	22°54	10°22	29° 0	7°26	21°39	22°16	11°36	14° 3	S 27
M28	6 48 50	12°44'18	6♊20	19°53	14°55	0°42	0°19	22°57	10°25	28°59	7°27	21°38	22°12	11°43	14° 9	M28
T 29	6 52 46	13°45'24	20°56	20°26	16°10	1°16	0°31	23° 0	10°29	28°57	7°28	21°37	22° 9	11°50	14°14	T 29
W30	6 56 43	14°46'29	5♋25	21° 4	17°25	1°51	0°42	23° 3	10°32	28°56	7°29	21°37	22° 6	11°56	14°20	W30
T 31	7 0 40	15♑47'34	19♋42	21♐48	18♑41	2♏25	0♐53	23♎ 5	10♑36	28♉55	7♓30	21°D36	22♋ 3	12♏ 3	14♏25	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s44	19n 8	3s18	24s32	1s 3	22s 7	0n 5	4s35	1n23	18s20	0n45	6s 3	2n23	23s38	0s23	18n31	1s41	22s50	15s 3	21n44	21n29	9s46	14s25	0n54
W 2	22 51	21 22	2 10	24 17	0 49	22 20	0 2	4 49	1 23	18 23	0 45	6 5	2 23	23 38	0 23	18 31	1 41	22 50	15 3	21 45	21 29	9 48	14 27	0 54
T 3	22 57	22 7	0 55	24 2	0 34	22 32	0s 0	5 3	1 23	18 26	0 45	6 7	2 24	23 38	0 23	18 31	1 41	22 49	15 3	21 45	21 30	9 50	14 29	0 54
F 4	23 2	21 25	0n22	23 46	0 18	22 43	0 2	5 16	1 23	18 29	0 45	6 9	2 24	23 38	0 23	18 30	1 41	22 49	15 2	21 45	21 30	9 53	14 31	0 55
S 5	23 7	19 27	1 35	23 28	0 0	22 54	0 5	5 30	1 23	18 32	0 45	6 10	2 24	23 37	0 23	18 30	1 41	22 48	15 2	21 45	21 31	9 55	14 33	0 55
S 6	23 12	16 30	2 41	23 11	0n18	23 4	0 7	5 44	1 23	18 35	0 45	6 12	2 24	23 37	0 23	18 30	1 41	22 48	15 2	21 45	21 31	9 57	14 35	0 55
M 7	23 16	12 50	3 36	22 53	0 37	23 13	0 10	5 58	1 23	18 38	0 44	6 13	2 24	23 37	0 23	18 30	1 41	22 47	15 1	21 45	21 32	10 0	14 37	0 55
T 8	23 20	8 43	4 20	22 34	0 57	23 22	0 12	6 11	1 23	18 41	0 44	6 15	2 25	23 37	0 23	18 29	1 41	22 47	15 1	21 45	21 33	10 2	14 39	0 56
W 9	23 23	4 20	4 51	22 15	1 17	23 29	0 14	6 25	1 23	18 44	0 44	6 17	2 25	23 36	0 23	18 29	1 41	22 46	15 1	21 45	21 33	10 4	14 41	0 56
T 10	23 26	0s 9	5 9	21 57	1 36	23 37	0 17	6 38	1 23	18 47	0 44	6 18	2 25	23 36	0 23	18 29	1 41	22 46	15 0	21 45	21 34	10 7	14 42	0 56
F 11	23 29	4 34	5 13	21 38	1 55	23 43	0 19	6 52	1 23	18 50	0 44	6 20	2 25	23 36	0 23	18 28	1 41	22 45	15 0	21 45	21 34	10 9	14 44	0 57
S 12	23 31	8 49	5 4	21 20	2 13	23 49	0 21	7 5	1 22	18 53	0 44	6 21	2 25	23 36	0 23	18 28	1 41	22 45	15 0	21 46	21 35	10 11	14 46	0 57
S 13	23 32	12 44	4 42	21 3	2 29	23 54	0 24	7 19	1 22	18 56	0 44	6 22	2 26	23 35	0 23	18 28	1 41	22 44	15 0	21 47	21 35	10 14	14 48	0 57
M14	23 33	16 11	4 7	20 47	2 43	23 58	0 26	7 32	1 22	18 59	0 44	6 24	2 26	23 35	0 23	18 27	1 41	22 44	14 59	21 47	21 36	10 16	14 49	0 58
T 15	23 33	19 0	3 21	20 33	2 55	24 1	0 28	7 45	1 22	19 2	0 44	6 25	2 26	23 35	0 23	18 27	1 41	22 43	14 59	21 48	21 36	10 18	14 51	0 58
W16	23 33	21 0	2 26	20 21	3 4	24 4	0 30	7 58	1 22	19 5	0 44	6 26	2 26	23 35	0 23	18 27	1 41	22 43	14 59	21 48	21 37	10 21	14 53	0 58
T 17	23 33	22 1	1 23	20 10	3 11	24 6	0 33	8 11	1 22	19 7	0 44	6 28	2 27	23 34	0 23	18 27	1 41	22 42	14 58	21 49	21 37	10 23	14 54	0 59
F 18	23 32	21 58	0 15	20 3	3 15	24 7	0 35	8 24	1 22	19 10	0 44	6 29	2 27	23 34	0 23	18 26	1 41	22 42	14 58	21 49	21 38	10 25	14 56	0 59
S 19	23 31	20 47	0s56	19 57	3 17	24 8	0 37	8 37	1 22	19 13	0 44	6 30	2 27	23 34	0 23	18 26	1 40	22 41	14 58	21 49	21 38	10 28	14 57	0 59
S 20	23 29	18 30	2 4	19 54	3 17	24 7	0 39	8 50	1 22	19 15	0 44	6 31	2 27	23 34	0 23	18 26	1 40	22 40	14 57	21 49	21 39	10 30	14 59	1 0
M21	23 26	15 13	3 7	19 54	3 15	24 6	0 41	9 3	1 22	19 18	0 44	6 32	2 27	23 33	0 23	18 26	1 40	22 40	14 57	21 48	21 39	10 32	15 0	1 0
T 22	23 24	11 7	4 1	19 55	3 12	24 4	0 43	9 16	1 21	19 21	0 44	6 34	2 28	23 33	0 23	18 25	1 40	22 39	14 57	21 48	21 40	10 35	15 2	1 0
W23	23 20	6 23	4 43	19 59	3 7	24 2	0 45	9 29	1 21	19 23	0 44	6 35	2 28	23 33	0 23	18 25	1 40	22 39	14 57	21 48	21 40	10 37	15 3	1 1
T 24	23 16	1 15	5 9	20 5	3 1	23 59	0 47	9 41	1 21	19 26	0 44	6 36	2 28	23 33	0 23	18 25	1 40	22 38	14 56	21 48	21 41	10 39	15 5	1 1
F 25	23 12	4n 2	5 16	20 12	2 54	23 55	0 49	9 54	1 21	19 28	0 44	6 37	2 28	23 32	0 23	18 25	1 40	22 37	14 56	21 48	21 42	10 41	15 6	1 1
S 26	23 8	9 11	5 5	20 21	2 46	23 50	0 51	10 6	1 21	19 31	0 44	6 38	2 29	23 32	0 23	18 25	1 40	22 37	14 56	21 48	21 42	10 44	15 8	1 2
S 27	23 2	13 52	4 34	20 31	2 38	23 44	0 53	10 18	1 21	19 33	0 44	6 39	2 29	23 32	0 23	18 24	1 40	22 36	14 56	21 48	21 43	10 46	15 9	1 2
M28	22 57	17 46	3 45	20 42	2 29	23 38	0 55	10 31	1 21	19 36	0 44	6 39	2 29	23 31	0 23	18 24	1 40	22 36	14 55	21 49	21 43	10 48	15 10	1 2
T 29	22 51	20 33	2 42	20 53	2 20	23 31	0 57	10 43	1 20	19 38	0 44	6 40	2 29	23 31	0 23	18 24	1 40	22 35	14 55	21 49	21 44	10 51	15 12	1 3
W30	22 44	21 58	1 29	21 5	2 11	23 23	0 59	10 55	1 20	19 41	0 44	6 41	2 30	23 31	0 23	18 24	1 40	22 34	14 55	21 49	21 44	10 53	15 13	1 3
T 31	22s37	21n56	0s11	21s17	2n 1	23s15	1s 0	11s 7	1n20	19s43	0n44	6s42	2n30	23s31	0s23	18n24	1s40	22s34	14s55	21n49	21n45	10s55	15s14	1n 3

Julian Day Number = 2111844.5, Delta T = 19m26s
Ecliptic obliquity = 23°33'31, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°46'30, Lahiri = 10°53'31 Julian Calendar 1 Dec. 1069 == Greg. Calendar 7 Dec. 1069

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1070
geocentric

JANUARY 1070 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 4 36	16♉48'38	3♌41	22♐35	19♉56	3♏ 0	1♐ 5	23♎ 8	10♉39	28°R54	7♓31	21♋37	22♋ 0	12♏10	14♏31	F 1
S 2	7 8 33	17°49'41	17°18	23°27	21°11	3°34	1°16	23°10	10°43	28♉53	7°32	21°37	21°57	12°17	14°36	S 2
S 3	7 12 29	18°50'44	0♍34	24°22	22°27	4° 8	1°27	23°13	10°47	28°52	7°33	21°37	21°53	12°23	14°41	S 3
M 4	7 16 26	19°51'45	13°26	25°20	23°42	4°42	1°38	23°15	10°50	28°51	7°34	21°37	21°50	12°30	14°46	M 4
T 5	7 20 22	20°52'47	25°59	26°22	24°57	5°17	1°49	23°17	10°54	28°50	7°35	21°38	21°47	12°37	14°51	T 5
W 6	7 24 19	21°53'47	8♎15	27°26	26°13	5°51	2° 0	23°20	10°57	28°50	7°36	21°R38	21°44	12°43	14°56	W 6
T 7	7 28 16	22°54'47	20°19	28°32	27°28	6°25	2°11	23°22	11° 1	28°49	7°38	21°D38	21°41	12°50	15° 0	T 7
F 8	7 32 12	23°55'46	2♏14	29°41	28°43	6°59	2°22	23°24	11° 4	28°48	7°39	21°38	21°38	12°57	15° 5	F 8
S 9	7 36 9	24°56'45	14° 5	0♉51	29°59	7°33	2°32	23°25	11° 8	28°47	7°40	21°38	21°34	13° 4	15°10	S 9
S 10	7 40 5	25°57'42	25°58	2° 4	1♒14	8° 6	2°43	23°27	11°11	28°46	7°41	21°38	21°31	13°10	15°14	S 10
M11	7 44 2	26°58'39	7♐56	3°18	2°29	8°40	2°53	23°29	11°14	28°46	7°42	21°39	21°28	13°17	15°19	M11
T 12	7 47 58	27°59'35	20° 4	4°34	3°45	9°14	3° 3	23°30	11°18	28°45	7°44	21°39	21°25	13°24	15°23	T 12
W13	7 51 55	29° 0'31	2♉24	5°51	5° 0	9°47	3°14	23°32	11°21	28°44	7°45	21°40	21°22	13°30	15°27	W13
T 14	7 55 51	0♒ 1'25	14°58	7°10	6°15	10°21	3°24	23°33	11°25	28°44	7°46	21°40	21°18	13°37	15°31	T 14
F 15	7 59 48	1° 2'18	27°48	8°30	7°30	10°54	3°34	23°34	11°28	28°43	7°47	21°R40	21°15	13°44	15°35	F 15
S 16	8 3 45	2° 3'10	10♒55	9°51	8°46	11°27	3°44	23°35	11°32	28°42	7°49	21°40	21°12	13°51	15°39	S 16
S 17	8 7 41	3° 4'00	24°16	11°13	10° 1	12° 0	3°54	23°36	11°35	28°42	7°50	21°39	21° 9	13°57	15°43	S 17
M18	8 11 38	4° 4'49	7♓52	12°37	11°16	12°33	4° 3	23°37	11°38	28°41	7°51	21°37	21° 6	14° 4	15°47	M18
T 19	8 15 34	5° 5'37	21°39	14° 1	12°31	13° 6	4°13	23°38	11°42	28°41	7°53	21°35	21° 3	14°11	15°50	T 19
W20	8 19 31	6° 6'22	5♈35	15°27	13°46	13°39	4°22	23°39	11°45	28°40	7°54	21°34	20°59	14°17	15°54	W20
T 21	8 23 27	7° 7'07	19°39	16°53	15° 1	14°12	4°32	23°39	11°48	28°40	7°55	21°32	20°56	14°24	15°57	T 21
F 22	8 27 24	8° 7'49	3♉48	18°21	16°17	14°45	4°41	23°40	11°52	28°39	7°57	21°D32	20°53	14°31	16° 1	F 22
S 23	8 31 20	9° 8'30	17°59	19°49	17°32	15°17	4°50	23°40	11°55	28°39	7°58	21°32	20°50	14°38	16° 4	S 23
S 24	8 35 17	10° 9'09	2♊10	21°19	18°47	15°50	4°59	23°41	11°58	28°39	8° 0	21°33	20°47	14°44	16° 7	S 24
M25	8 39 14	11° 9'47	16°20	22°49	20° 2	16°22	5° 8	23°41	12° 1	28°39	8° 1	21°34	20°44	14°51	16°10	M25
T 26	8 43 10	12°10'22	0♋27	24°20	21°17	16°54	5°17	23°R41	12° 5	28°38	8° 2	21°35	20°40	14°58	16°13	T 26
W27	8 47 7	13°10'56	14°26	25°52	22°32	17°27	5°25	23°41	12° 8	28°38	8° 4	21°36	20°37	15° 4	16°16	W27
T 28	8 51 3	14°11'28	28°16	27°25	23°47	17°59	5°34	23°41	12°11	28°38	8° 5	21°R36	20°34	15°11	16°19	T 28
F 29	8 55 0	15°11'59	11♌54	28°59	25° 2	18°31	5°42	23°40	12°14	28°38	8° 7	21°35	20°31	15°18	16°21	F 29
S 30	8 58 56	16°12'28	25°16	0♒34	26°17	19° 2	5°51	23°40	12°17	28°38	8° 8	21°33	20°28	15°25	16°24	S 30
S 31	9 2 53	17♒12'55	8♍23	2♒10	27♒32	19♏34	5♐59	23♎40	12♉20	28♉38	8♓10	21♋29	20♋24	15♏31	16♏26	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	22s30	20n30	1n 7	21s30	1n51	23s 6	1s 2	11s19	1n20	19s45	0n44	6s43	2n30	23s30	0s23	18n23	1s40	22s33	14s54	21n49	21n45	10s58	15s15	1n 4	
S 2	22 22	17 55	2 18	21 42	1 42	22 56	1 4	11 31	1 20	19 48	0 44	6 43	2 30	23 30	0 23	18 23	1 40	22 32	14 54	21 49	21 46	11 0	15 17	1 4	
S 3	22 14	14 26	3 20	21 55	1 32	22 45	1 5	11 43	1 20	19 50	0 44	6 44	2 31	23 30	0 23	18 23	1 40	22 32	14 54	21 49	21 46	11 2	15 18	1 5	
M 4	22 5	10 23	4 10	22 7	1 22	22 34	1 7	11 55	1 19	19 52	0 44	6 45	2 31	23 30	0 23	18 23	1 40	22 31	14 54	21 49	21 47	11 5	15 19	1 5	
T 5	21 56	5 59	4 46	22 18	1 12	22 22	1 8	12 6	1 19	19 54	0 44	6 45	2 31	23 29	0 23	18 23	1 40	22 30	14 53	21 49	21 47	11 7	15 20	1 5	
W 6	21 46	1 26	5 9	22 29	1 3	22 9	1 10	12 18	1 19	19 57	0 44	6 46	2 31	23 29	0 23	18 23	1 40	22 30	14 53	21 49	21 48	11 9	15 21	1 6	
T 7	21 36	3s 5	5 17	22 40	0 53	21 56	1 11	12 29	1 19	19 59	0 44	6 46	2 32	23 29	0 23	18 22	1 40	22 29	14 53	21 49	21 48	11 12	15 22	1 6	
F 8	21 26	7 25	5 12	22 50	0 44	21 42	1 13	12 41	1 18	20 1	0 44	6 47	2 32	23 28	0 23	18 22	1 40	22 28	14 53	21 49	21 49	11 14	15 23	1 6	
S 9	21 15	11 28	4 53	22 59	0 35	21 28	1 14	12 52	1 18	20 3	0 44	6 47	2 32	23 28	0 23	18 22	1 39	22 28	14 52	21 49	21 49	11 16	15 24	1 7	
S 10	21 4	15 6	4 22	23 7	0 26	21 12	1 15	13 3	1 18	20 5	0 44	6 48	2 32	23 28	0 23	18 22	1 39	22 27	14 52	21 49	21 50	11 18	15 25	1 7	
M11	20 52	18 8	3 40	23 14	0 17	20 57	1 16	13 14	1 18	20 7	0 44	6 48	2 33	23 28	0 23	18 22	1 39	22 26	14 52	21 49	21 50	11 21	15 26	1 7	
T 12	20 40	20 25	2 47	23 21	0 8	20 40	1 18	13 25	1 17	20 9	0 44	6 48	2 33	23 27	0 23	18 22	1 39	22 26	14 52	21 48	21 51	11 23	15 27	1 8	
W13	20 28	21 47	1 45	23 26	0s 0	20 23	1 19	13 36	1 17	20 11	0 44	6 49	2 33	23 27	0 23	18 22	1 39	22 25	14 52	21 48	21 51	11 25	15 28	1 8	
T 14	20 15	22 6	0 37	23 31	0 9	20 5	1 20	13 47	1 17	20 13	0 44	6 49	2 33	23 27	0 23	18 22	1 39	22 24	14 51	21 48	21 52	11 28	15 29	1 9	
F 15	20 2	21 15	0s34	23 34	0 17	19 47	1 21	13 57	1 17	20 15	0 44	6 49	2 34	23 26	0 23	18 22	1 39	22 24	14 51	21 48	21 52	11 30	15 29	1 9	
S 16	19 48	19 15	1 45	23 36	0 25	19 28	1 22	14 8	1 16	20 17	0 44	6 49	2 34	23 26	0 23	18 22	1 39	22 23	14 51	21 48	21 53	11 32	15 30	1 9	
S 17	19 34	16 11	2 51	23 37	0 32	19 9	1 22	14 19	1 16	20 18	0 44	6 49	2 34	23 26	0 23	18 22	1 39	22 22	14 51	21 48	21 53	11 34	15 31	1 10	
M18	19 20	12 12	3 49	23 37	0 40	18 49	1 23	14 29	1 16	20 20	0 44	6 49	2 35	23 26	0 23	18 21	1 39	22 22	14 51	21 49	21 54	11 37	15 32	1 10	
T 19	19 5	7 31	4 34	23 36	0 47	18 29	1 24	14 39	1 15	20 22	0 45	6 49	2 35	23 25	0 23	18 21	1 39	22 21	14 51	21 49	21 54	11 39	15 32	1 11	
W20	18 50	2 25	5 4	23 33	0 54	18 8	1 25	14 49	1 15	20 24	0 45	6 49	2 35	23 25	0 23	18 21	1 39	22 20	14 50	21 49	21 55	11 41	15 33	1 11	
T 21	18 35	2n51	5 16	23 29	1 0	17 46	1 25	15 0	1 15	20 25	0 45	6 49	2 35	23 25	0 23	18 21	1 39	22 20	14 50	21 50	21 55	11 44	15 34	1 11	
F 22	18 19	8 0	5 9	23 24	1 7	17 24	1 26	15 10	1 14	20 27	0 45	6 49	2 36	23 25	0 23	18 21	1 39	22 19	14 50	21 50	21 56	11 46	15 34	1 12	
S 23	18 4	12 44	4 43	23 17	1 13	17 2	1 26	15 19	1 14	20 29	0 45	6 49	2 36	23 24	0 23	18 21	1 39	22 18	14 50	21 50	21 56	11 48	15 35	1 12	
S 24	17 47	16 47	4 0	23 9	1 19	16 39	1 27	15 29	1 14	20 30	0 45	6 49	2 36	23 24	0 23	18 21	1 39	22 18	14 50	21 49	21 57	11 51	15 35	1 12	
M25	17 31	19 50	3 2	23 0	1 24	16 15	1 27	15 39	1 13	20 32	0 45	6 49	2 36	23 24	0 23	18 21	1 39	22 17	14 50	21 49	21 57	11 53	15 36	1 13	
T 26	17 14	21 39	1 54	22 49	1 29	15 51	1 27	15 48	1 13	20 33	0 45	6 49	2 37	23 23	0 23	18 21	1 38	22 16	14 50	21 49	21 58	11 55	15 36	1 13	
W27	16 57	22 7	0 39	22 37	1 34	15 27	1 28	15 58	1 12	20 35	0 45	6 48	2 37	23 23	0 23	18 21	1 38	22 16	14 49	21 49	21 58	11 57	15 37	1 14	
T 28	16 39	21 13	0n37	22 24	1 39	15 2	1 28	16 7	1 12	20 36	0 45	6 48	2 37	23 23	0 23	18 21	1 38	22 15	14 49	21 49	21 59	12 0	15 37	1 14	
F 29	16 21	19 3	1 49	22 9	1 43	14 37	1 28	16 17	1 11	20 38	0 45	6 48	2 37	23 23	0 23	18 21	1 38	22 14	14 49	21 49	21 59	12 2	15 37	1 14	
S 30	16 3	15 54	2 55	21 52	1 47	14 12	1 28	16 26	1 11	20 39	0 45	6 47	2 38	23 22	0 23	18 21	1 38	22 14	14 49	21 49	22 0	12 4	15 38	1 15	
S 31	15s45	12n 0	3n49	21s34	1s51	13s46	1s28	16s35	1n11	20s41	0n45	6s47	2n38	23s22	0s23	18n21	1s38	22s13	14s49	21n50	22n 0	12s 6	15s38	1n15	

Julian Day Number = 2111875.5, Delta T = 19m25s
Ecliptic obliquity = 23°33'31, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°46'34, Lahiri = 10°53'35 Julian Calendar 1 Jan. 1070 == Greg. Calendar 7 Jan. 1070

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1070
geocentric

FEBRUARY 1070 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 6 49	18♒13'20	21♍12	3♒47	28♒47	20♏ 6	6♐ 7	23°R39	12♑23	28°R38	8♓11	21°R25	20♋21	15♏38	16♏29	M 1
T 2	9 10 46	19°13'44	3♎44	5°24	0♓ 2	20°37	6°15	23♎38	12°26	28°D37	8°13	21♋20	20°18	15°45	16°31	T 2
W 3	9 14 43	20°14'07	16° 1	7° 3	1°17	21° 8	6°23	23°38	12°29	28♉38	8°14	21°16	20°15	15°51	16°33	W 3
T 4	9 18 39	21°14'28	28° 6	8°43	2°31	21°40	6°30	23°37	12°32	28°38	8°16	21°12	20°12	15°58	16°35	T 4
F 5	9 22 36	22°14'47	10♏ 2	10°23	3°46	22°11	6°38	23°36	12°35	28°38	8°17	21°10	20° 9	16° 5	16°37	F 5
S 6	9 26 32	23°15'06	21°54	12° 5	5° 1	22°42	6°45	23°35	12°38	28°38	8°19	21°D 9	20° 5	16°12	16°39	S 6
S 7	9 30 29	24°15'22	3♐46	13°47	6°16	23°12	6°52	23°34	12°41	28°38	8°20	21° 9	20° 2	16°18	16°40	S 7
M 8	9 34 25	25°15'37	15°44	15°31	7°31	23°43	6°59	23°32	12°44	28°38	8°22	21°11	19°59	16°25	16°42	M 8
T 9	9 38 22	26°15'51	27°53	17°15	8°45	24°13	7° 6	23°31	12°47	28°38	8°23	21°13	19°56	16°32	16°43	T 9
W10	9 42 18	27°16'03	10♑16	19° 1	10° 0	24°44	7°13	23°30	12°50	28°39	8°25	21°14	19°53	16°38	16°45	W10
T 11	9 46 15	28°16'13	22°58	20°48	11°15	25°14	7°20	23°28	12°52	28°39	8°26	21°R15	19°50	16°45	16°46	T 11
F 12	9 50 12	29°16'21	6♒ 1	22°36	12°30	25°44	7°26	23°26	12°55	28°39	8°28	21°14	19°46	16°52	16°47	F 12
S 13	9 54 8	0♓16'28	19°26	24°24	13°44	26°14	7°32	23°25	12°58	28°40	8°29	21°11	19°43	16°59	16°48	S 13
S 14	9 58 5	1°16'33	3♓12	26°14	14°59	26°44	7°39	23°23	13° 0	28°40	8°31	21° 6	19°40	17° 5	16°49	S 14
M15	10 2 1	2°16'36	17°16	28° 5	16°14	27°13	7°45	23°21	13° 3	28°40	8°33	21° 0	19°37	17°12	16°50	M15
T 16	10 5 58	3°16'37	1♈32	29°57	17°28	27°42	7°50	23°19	13° 6	28°41	8°34	20°53	19°34	17°19	16°50	T 16
W17	10 9 54	4°16'35	15°56	1♓50	18°43	28°12	7°56	23°17	13° 8	28°41	8°36	20°46	19°30	17°25	16°51	W17
T 18	10 13 51	5°16'32	0♉22	3°44	19°57	28°41	8° 2	23°14	13°11	28°42	8°37	20°40	19°27	17°32	16°51	T 18
F 19	10 17 47	6°16'26	14°45	5°40	21°12	29° 9	8° 7	23°12	13°13	28°43	8°39	20°36	19°24	17°39	16°52	F 19
S 20	10 21 44	7°16'18	29° 1	7°36	22°26	29°38	8°12	23°10	13°16	28°43	8°40	20°34	19°21	17°45	16°52	S 20
S 21	10 25 40	8°16'08	13♊ 7	9°33	23°41	0♐ 6	8°17	23° 7	13°18	28°44	8°42	20°D34	19°18	17°52	16°52	S 21
M22	10 29 37	9°15'56	27° 2	11°30	24°55	0°35	8°22	23° 5	13°20	28°44	8°44	20°35	19°15	17°59	16°R52	M22
T 23	10 33 34	10°15'41	10♋47	13°29	26°10	1° 3	8°27	23° 2	13°23	28°45	8°45	20°36	19°11	18° 6	16°52	T 23
W24	10 37 30	11°15'24	24°21	15°28	27°24	1°30	8°32	22°59	13°25	28°46	8°47	20°R36	19° 8	18°12	16°52	W24
T 25	10 41 27	12°15'04	7♌44	17°27	28°39	1°58	8°36	22°56	13°27	28°47	8°48	20°35	19° 5	18°19	16°51	T 25
F 26	10 45 23	13°14'43	20°57	19°27	29°53	2°25	8°40	22°54	13°29	28°48	8°50	20°31	19° 2	18°26	16°51	F 26
S 27	10 49 20	14°14'19	3♍58	21°27	1♈ 7	2°53	8°44	22°51	13°32	28°48	8°51	20°25	18°59	18°32	16°50	S 27
S 28	10 53 16	15♓13'53	16♍47	23♓26	2♈21	3♐20	8♐48	22♎48	13♑34	28♉49	8♓53	20♋16	18♋56	18♏39	16♏50	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	15s27	7n39	4n31	21s15	1s54	13s20	1s28	16s44	1n10	20s42	0n45	6s47	2n38	23s22	0s23	18n21	1s38	22s12	14s49	21n51	22n 0	12s 9	15s38	1n16
T 2	15 8	3 4	4 58	20 54	1 57	12 53	1 28	16 53	1 10	20 43	0 45	6 46	2 38	23 22	0 23	18 22	1 38	22 12	14 49	21 51	22 1	12 11	15 39	1 16
W 3	14 49	1s32	5 12	20 32	1 59	12 26	1 27	17 1	1 9	20 45	0 45	6 46	2 39	23 21	0 23	18 22	1 38	22 11	14 49	21 52	22 1	12 13	15 39	1 16
T 4	14 29	6 1	5 11	20 8	2 2	11 59	1 27	17 10	1 9	20 46	0 45	6 45	2 39	23 21	0 23	18 22	1 38	22 10	14 49	21 53	22 2	12 16	15 39	1 17
F 5	14 10	10 13	4 56	19 42	2 3	11 31	1 27	17 19	1 8	20 47	0 45	6 44	2 39	23 21	0 23	18 22	1 38	22 10	14 49	21 53	22 2	12 18	15 39	1 17
S 6	13 50	14 0	4 29	19 15	2 5	11 3	1 26	17 27	1 7	20 48	0 45	6 44	2 39	23 20	0 23	18 22	1 38	22 9	14 48	21 53	22 3	12 20	15 39	1 18
S 7	13 30	17 14	3 51	18 47	2 6	10 35	1 26	17 35	1 7	20 49	0 45	6 43	2 40	23 20	0 23	18 22	1 38	22 9	14 48	21 53	22 3	12 22	15 39	1 18
M 8	13 10	19 47	3 2	18 17	2 6	10 7	1 25	17 43	1 6	20 51	0 45	6 43	2 40	23 20	0 23	18 22	1 38	22 8	14 48	21 53	22 4	12 25	15 39	1 19
T 9	12 50	21 28	2 4	17 45	2 7	9 38	1 25	17 52	1 6	20 52	0 45	6 42	2 40	23 20	0 23	18 22	1 38	22 7	14 48	21 53	22 4	12 27	15 39	1 19
W10	12 29	22 10	1 0	17 12	2 6	9 9	1 24	18 0	1 5	20 53	0 45	6 41	2 40	23 19	0 23	18 22	1 38	22 7	14 48	21 52	22 5	12 29	15 39	1 19
T 11	12 8	21 45	0s 9	16 37	2 6	8 40	1 23	18 7	1 4	20 54	0 45	6 40	2 41	23 19	0 23	18 22	1 37	22 6	14 48	21 52	22 5	12 31	15 39	1 20
F 12	11 47	20 9	1 20	16 1	2 4	8 10	1 22	18 15	1 4	20 55	0 45	6 39	2 41	23 19	0 23	18 23	1 37	22 5	14 48	21 52	22 6	12 34	15 39	1 20
S 13	11 26	17 23	2 27	15 23	2 3	7 41	1 21	18 23	1 3	20 56	0 45	6 39	2 41	23 19	0 23	18 23	1 37	22 5	14 48	21 53	22 6	12 36	15 39	1 21
S 14	11 4	13 36	3 28	14 43	2 0	7 11	1 21	18 30	1 3	20 57	0 45	6 38	2 41	23 19	0 23	18 23	1 37	22 4	14 48	21 54	22 7	12 38	15 39	1 21
M15	10 43	9 0	4 17	14 2	1 58	6 41	1 20	18 38	1 2	20 58	0 45	6 37	2 42	23 18	0 23	18 23	1 37	22 3	14 48	21 55	22 7	12 40	15 39	1 21
T 16	10 21	3 50	4 51	13 20	1 54	6 11	1 18	18 45	1 1	20 59	0 45	6 36	2 42	23 18	0 23	18 23	1 37	22 3	14 48	21 56	22 7	12 43	15 39	1 22
W17	9 59	1n34	5 8	12 36	1 51	5 40	1 17	18 53	1 0	21 0	0 46	6 35	2 42	23 18	0 24	18 23	1 37	22 2	14 48	21 57	22 8	12 45	15 38	1 22
T 18	9 37	6 55	5 4	11 50	1 46	5 10	1 16	19 0	1 0	21 0	0 46	6 34	2 42	23 18	0 24	18 23	1 37	22 2	14 48	21 58	22 8	12 47	15 38	1 23
F 19	9 15	11 51	4 42	11 3	1 42	4 39	1 15	19 7	0 59	21 1	0 46	6 33	2 43	23 17	0 24	18 24	1 37	22 1	14 48	21 58	22 9	12 49	15 38	1 23
S 20	8 53	16 6	4 2	10 15	1 36	4 8	1 14	19 14	0 58	21 2	0 46	6 32	2 43	23 17	0 24	18 24	1 37	22 0	14 48	21 59	22 9	12 52	15 37	1 24
S 21	8 31	19 22	3 8	9 25	1 30	3 38	1 12	19 20	0 57	21 3	0 46	6 30	2 43	23 17	0 24	18 24	1 37	22 0	14 48	21 59	22 10	12 54	15 37	1 24
M22	8 8	21 28	2 4	8 34	1 24	3 7	1 11	19 27	0 57	21 4	0 46	6 29	2 43	23 17	0 24	18 24	1 37	21 59	14 48	21 58	22 10	12 56	15 37	1 24
T 23	7 45	22 15	0 53	7 42	1 17	2 36	1 9	19 34	0 56	21 4	0 46	6 28	2 43	23 16	0 24	18 24	1 37	21 59	14 48	21 58	22 11	12 58	15 36	1 25
W24	7 23	21 41	0n20	6 49	1 9	2 4	1 8	19 40	0 55	21 5	0 46	6 27	2 44	23 16	0 24	18 25	1 37	21 58	14 48	21 58	22 11	13 1	15 36	1 25
T 25	7 0	19 53	1 31	5 55	1 1	1 33	1 6	19 47	0 54	21 6	0 46	6 26	2 44	23 16	0 24	18 25	1 37	21 57	14 48	21 58	22 12	13 3	15 35	1 26
F 26	6 37	17 2	2 35	4 59	0 52	1 2	1 4	19 53	0 53	21 6	0 46	6 25	2 44	23 16	0 24	18 25	1 37	21 57	14 48	21 59	22 12	13 5	15 35	1 26
S 27	6 14	13 22	3 31	4 3	0 42	0 31	1 3	19 59	0 52	21 7	0 46	6 23	2 44	23 16	0 24	18 25	1 37	21 56	14 48	22 0	22 12	13 7	15 34	1 27
S 28	5s51	9n 9	4n15	3s 7	0s32	0n 1	1s 1	20s 5	0n51	21s 7	0n46	6s22	2n44	23s16	0s24	18n26	1s36	21s56	14s48	22n 1	22n13	13s10	15s34	1n27

Julian Day Number = 2111906.5, Delta T = 19m25s
Ecliptic obliquity = 23°33'32, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°46'39, Lahiri = 10°53'39 Julian Calendar 1 Feb. 1070 == Greg. Calendar 7 Feb. 1070

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1070
geocentric

MARCH 1070 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 57 13	16♓13'25	29♍24	25♓25	3♈36	3♐46	8♐52	22°R44	13♑36	28♉50	8♓54	20°R 6	18♋52	18♏46	16°R49	M 1
T 2	11 1 9	17°12'55	11♎48	27°23	4°50	4°13	8°55	22♎41	13°38	28°51	8°56	19♋56	18°49	18°53	16♏48	T 2
W 3	11 5 6	18°12'23	24° 0	29°21	6° 4	4°39	8°59	22°38	13°40	28°52	8°58	19°45	18°46	18°59	16°47	W 3
T 4	11 9 3	19°11'49	6♏ 3	1♈16	7°18	5° 5	9° 2	22°35	13°42	28°53	8°59	19°36	18°43	19° 6	16°46	T 4
F 5	11 12 59	20°11'13	17°58	3°10	8°32	5°31	9° 5	22°31	13°44	28°54	9° 1	19°29	18°40	19°13	16°45	F 5
S 6	11 16 56	21°10'36	29°49	5° 2	9°46	5°57	9° 8	22°28	13°46	28°55	9° 2	19°24	18°36	19°19	16°44	S 6
S 7	11 20 52	22° 9'56	11♐40	6°50	11° 0	6°22	9°10	22°24	13°47	28°56	9° 4	19°21	18°33	19°26	16°42	S 7
M 8	11 24 49	23° 9'15	23°36	8°36	12°14	6°47	9°13	22°21	13°49	28°57	9° 5	19°D21	18°30	19°33	16°41	M 8
T 9	11 28 45	24° 8'32	5♑43	10°18	13°28	7°12	9°15	22°17	13°51	28°58	9° 7	19°21	18°27	19°39	16°39	T 9
W10	11 32 42	25° 7'47	18° 5	11°57	14°42	7°36	9°17	22°13	13°53	29° 0	9° 8	19°R21	18°24	19°46	16°38	W10
T 11	11 36 38	26° 7'01	0♒48	13°30	15°56	8° 0	9°19	22° 9	13°54	29° 1	9°10	19°21	18°21	19°53	16°36	T 11
F 12	11 40 35	27° 6'12	13°55	15° 0	17°10	8°24	9°21	22° 5	13°56	29° 2	9°11	19°18	18°17	20° 0	16°34	F 12
S 13	11 44 32	28° 5'22	27°29	16°24	18°24	8°47	9°22	22° 2	13°57	29° 3	9°13	19°13	18°14	20° 6	16°32	S 13
S 14	11 48 28	29° 4'29	11♓29	17°43	19°38	9°11	9°24	21°58	13°59	29° 5	9°14	19° 6	18°11	20°13	16°30	S 14
M15	11 52 25	0♈ 3'35	25°53	18°56	20°51	9°34	9°25	21°54	14° 0	29° 6	9°16	18°56	18° 8	20°20	16°28	M15
T 16	11 56 21	1° 2'38	10♈35	20° 3	22° 5	9°56	9°26	21°49	14° 2	29° 7	9°17	18°45	18° 5	20°26	16°26	T 16
W17	12 0 18	2° 1'40	25°26	21° 5	23°19	10°18	9°27	21°45	14° 3	29° 9	9°19	18°35	18° 1	20°33	16°23	W17
T 18	12 4 14	3° 0'39	10♉18	22° 0	24°33	10°40	9°27	21°41	14° 4	29°10	9°20	18°25	17°58	20°40	16°21	T 18
F 19	12 8 11	3°59'36	25° 3	22°49	25°46	11° 2	9°28	21°37	14° 6	29°11	9°22	18°18	17°55	20°46	16°18	F 19
S 20	12 12 7	4°58'30	9♊34	23°31	27° 0	11°23	9°28	21°33	14° 7	29°13	9°23	18°14	17°52	20°53	16°16	S 20
S 21	12 16 4	5°57'23	23°47	24° 7	28°13	11°44	9°R28	21°28	14° 8	29°14	9°24	18°12	17°49	21° 0	16°13	S 21
M22	12 20 0	6°56'13	7♋42	24°36	29°27	12° 4	9°28	21°24	14° 9	29°16	9°26	18°D11	17°46	21° 7	16°10	M22
T 23	12 23 57	7°55'01	21°19	24°59	0♌40	12°24	9°27	21°20	14°10	29°17	9°27	18°R11	17°42	21°13	16° 8	T 23
W24	12 27 54	8°53'46	4♎38	25°15	1°54	12°44	9°27	21°15	14°11	29°19	9°29	18°10	17°39	21°20	16° 5	W24
T 25	12 31 50	9°52'29	17°44	25°24	3° 7	13° 3	9°26	21°11	14°12	29°20	9°30	18° 8	17°36	21°27	16° 2	T 25
F 26	12 35 47	10°51'10	0♍36	25°R27	4°20	13°22	9°25	21° 7	14°13	29°22	9°31	18° 2	17°33	21°33	15°59	F 26
S 27	12 39 43	11°49'49	13°17	25°24	5°34	13°40	9°24	21° 2	14°14	29°24	9°33	17°54	17°30	21°40	15°55	S 27
S 28	12 43 40	12°48'25	25°48	25°15	6°47	13°58	9°23	20°58	14°15	29°25	9°34	17°43	17°27	21°47	15°52	S 28
M29	12 47 36	13°47'00	8♎10	25° 1	8° 0	14°16	9°22	20°53	14°16	29°27	9°35	17°30	17°23	21°53	15°49	M29
T 30	12 51 33	14°45'32	20°23	24°41	9°13	14°33	9°20	20°49	14°16	29°29	9°37	17°16	17°20	22° 0	15°46	T 30
W31	12 55 29	15♈44'02	2♏27	24♈16	10♉26	14♐50	9♐18	20♎44	14♑17	29♉30	9♓38	17♋ 2	17♋17	22♏ 7	15♏42	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s28	4n36	4n45	2s10	0s22	0n32	0s59	20s11	0n50	21s 8	0n46	6s21	2n44	23s15	0s24	18n26	1s36	21s55	14s48	22n 3	22n13	13s12	15s33	1n27
T 2	5 4	0s 4	5 1	1 13	0 11	1 3	0 57	20 17	0 49	21 8	0 46	6 19	2 45	23 15	0 24	18 26	1 36	21 55	14 48	22 4	22 14	13 14	15 32	1 28
W 3	4 41	4 39	5 3	0 16	0n 0	1 34	0 55	20 23	0 48	21 9	0 46	6 18	2 45	23 15	0 24	18 26	1 36	21 54	14 49	22 6	22 14	13 16	15 32	1 28
T 4	4 18	9 1	4 52	0n41	0 12	2 6	0 53	20 29	0 47	21 9	0 46	6 16	2 45	23 15	0 24	18 27	1 36	21 54	14 49	22 7	22 15	13 19	15 31	1 29
F 5	3 54	12 59	4 28	1 38	0 24	2 37	0 51	20 35	0 46	21 10	0 46	6 15	2 45	23 15	0 24	18 27	1 36	21 53	14 49	22 8	22 15	13 21	15 30	1 29
S 6	3 31	16 25	3 52	2 33	0 36	3 8	0 49	20 40	0 45	21 10	0 46	6 14	2 45	23 14	0 24	18 27	1 36	21 53	14 49	22 9	22 16	13 23	15 29	1 30
S 7	3 7	19 13	3 7	3 28	0 48	3 39	0 47	20 46	0 44	21 10	0 46	6 12	2 45	23 14	0 24	18 28	1 36	21 52	14 49	22 9	22 16	13 25	15 29	1 30
M 8	2 44	21 11	2 13	4 21	1 0	4 10	0 45	20 51	0 43	21 11	0 46	6 11	2 46	23 14	0 24	18 28	1 36	21 52	14 49	22 9	22 16	13 27	15 28	1 30
T 9	2 20	22 14	1 12	5 13	1 12	4 41	0 43	20 56	0 42	21 11	0 46	6 9	2 46	23 14	0 24	18 28	1 36	21 51	14 49	22 9	22 17	13 30	15 27	1 31
W10	1 57	22 13	0 7	6 2	1 25	5 12	0 41	21 1	0 40	21 11	0 46	6 8	2 46	23 14	0 24	18 28	1 36	21 51	14 49	22 9	22 17	13 32	15 26	1 31
T 11	1 33	21 4	1s 1	6 50	1 36	5 43	0 38	21 7	0 39	21 12	0 46	6 6	2 46	23 14	0 24	18 29	1 36	21 50	14 49	22 9	22 18	13 34	15 25	1 32
F 12	1 9	18 45	2 7	7 36	1 48	6 13	0 36	21 12	0 38	21 12	0 47	6 5	2 46	23 14	0 24	18 29	1 36	21 50	14 49	22 10	22 18	13 36	15 24	1 32
S 13	0 46	15 21	3 8	8 19	1 59	6 44	0 34	21 17	0 37	21 12	0 47	6 3	2 46	23 13	0 24	18 29	1 36	21 49	14 50	22 10	22 19	13 39	15 23	1 32
S 14	0 22	10 59	4 0	8 59	2 10	7 14	0 31	21 21	0 35	21 12	0 47	6 1	2 46	23 13	0 24	18 30	1 36	21 49	14 50	22 11	22 19	13 41	15 22	1 33
M15	0n 1	5 53	4 38	9 36	2 20	7 44	0 29	21 26	0 34	21 12	0 47	6 0	2 47	23 13	0 24	18 30	1 36	21 48	14 50	22 13	22 19	13 43	15 21	1 33
T 16	0 25	0 22	4 58	10 11	2 30	8 14	0 26	21 31	0 32	21 12	0 47	5 58	2 47	23 13	0 24	18 30	1 36	21 48	14 50	22 14	22 20	13 45	15 20	1 34
W17	0 49	5n14	4 59	10 42	2 38	8 44	0 24	21 36	0 31	21 13	0 47	5 57	2 47	23 13	0 24	18 31	1 36	21 47	14 50	22 16	22 20	13 47	15 19	1 34
T 18	1 12	10 33	4 40	11 10	2 46	9 13	0 21	21 40	0 30	21 13	0 47	5 55	2 47	23 13	0 24	18 31	1 35	21 47	14 50	22 17	22 21	13 50	15 18	1 35
F 19	1 36	15 12	4 2	11 35	2 53	9 43	0 19	21 45	0 28	21 13	0 47	5 53	2 47	23 13	0 24	18 31	1 35	21 47	14 50	22 18	22 21	13 52	15 17	1 35
S 20	1 59	18 53	3 9	11 57	2 59	10 12	0 16	21 49	0 27	21 13	0 47	5 52	2 47	23 13	0 24	18 32	1 35	21 46	14 51	22 19	22 22	13 54	15 16	1 35
S 21	2 23	21 20	2 5	12 14	3 4	10 41	0 14	21 54	0 25	21 13	0 47	5 50	2 47	23 12	0 24	18 32	1 35	21 46	14 51	22 19	22 22	13 56	15 15	1 36
M22	2 46	22 25	0 55	12 29	3 7	11 10	0 11	21 58	0 23	21 13	0 47	5 48	2 47	23 12	0 24	18 33	1 35	21 45	14 51	22 19	22 22	13 58	15 13	1 36
T 23	3 9	22 8	0n17	12 39	3 10	11 38	0 8	22 2	0 22	21 12	0 47	5 47	2 47	23 12	0 24	18 33	1 35	21 45	14 51	22 19	22 23	14 1	15 12	1 37
W24	3 33	20 35	1 26	12 46	3 11	12 6	0 6	22 6	0 20	21 12	0 47	5 45	2 47	23 12	0 24	18 33	1 35	21 45	14 51	22 19	22 23	14 3	15 11	1 37
T 25	3 56	17 58	2 29	12 50	3 11	12 34	0 3	22 10	0 18	21 12	0 47	5 43	2 47	23 12	0 24	18 34	1 35	21 44	14 51	22 19	22 24	14 5	15 10	1 37
F 26	4 19	14 29	3 24	12 50	3 9	13 1	0 0	22 15	0 17	21 12	0 47	5 41	2 47	23 12	0 24	18 34	1 35	21 44	14 52	22 20	22 24	14 7	15 9	1 38
S 27	4 42	10 24	4 8	12 46	3 6	13 29	0n 2	22 19	0 15	21 12	0 47	5 40	2 48	23 12	0 25	18 35	1 35	21 43	14 52	22 21	22 25	14 9	15 7	1 38
S 28	5 5	5 56	4 38	12 38	3 2	13 56	0 5	22 23	0 13	21 12	0 47	5 38	2 48	23 12	0 25	18 35	1 35	21 43	14 52	22 23	22 25	14 12	15 6	1 39
M29	5 28	1 16	4 56	12 27	2 56	14 22	0 8	22 26	0 11	21 11	0 47	5 36	2 48	23 12	0 25	18 35	1 35	21 43	14 52	22 25	22 25	14 14	15 5	1 39
T 30	5 51	3s23	4 59	12 13	2 49	14 48	0 11	22 30	0 9	21 11	0 47	5 35	2 48	23 12	0 25	18 36	1 35	21 42	14 52	22 26	22 26	14 16	15 3	1 39
W31	6n13	7s52	4n49	11n56	2n40	15n14	0n13	22s34	0n 7	21s11	0n47	5s33	2n48	23s12	0s25	18n36	1s35	21s42	14s53	22n28	22n26	14s18	15s 2	1n40

Julian Day Number = 2111934.5, Delta T = 19m25s
Ecliptic obliquity = 23°33'33, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°46'43, Lahiri = 10°53'43 Julian Calendar 1 March 1070 == Greg. Calendar 7 March 1070

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1070
geocentric

APRIL 1070 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 59 26	16♈42'31	14♏25	23°R47	11♉40	15♐ 6	9°R16	20°R40	14♎18	29♉32	9♓39	16°R50	17♋14	22♏14	15°R39	T 1
F 2	13 3 23	17°40'58	26°17	23♈15	12°53	15°21	9♐14	20♎35	14°18	29°34	9°41	16♋40	17°11	22°20	15♏35	F 2
S 3	13 7 19	18°39'23	8♐ 6	22°39	14° 6	15°37	9°12	20°31	14°19	29°36	9°42	16°32	17° 7	22°27	15°31	S 3
S 4	13 11 16	19°37'47	19°57	22° 1	15°19	15°51	9° 9	20°26	14°19	29°37	9°43	16°28	17° 4	22°34	15°28	S 4
M 5	13 15 12	20°36'08	1♎52	21°22	16°31	16° 6	9° 6	20°22	14°20	29°39	9°44	16°26	17° 1	22°40	15°24	M 5
T 6	13 19 9	21°34'29	13°56	20°41	17°44	16°19	9° 3	20°17	14°20	29°41	9°46	16°25	16°58	22°47	15°20	T 6
W 7	13 23 5	22°32'47	26°16	20° 1	18°57	16°32	9° 0	20°12	14°20	29°43	9°47	16°25	16°55	22°54	15°16	W 7
T 8	13 27 2	23°31'04	8♒56	19°21	20°10	16°45	8°57	20° 8	14°21	29°45	9°48	16°25	16°52	23° 0	15°12	T 8
F 9	13 30 58	24°29'20	22° 1	18°42	21°23	16°57	8°54	20° 3	14°21	29°47	9°49	16°22	16°48	23° 7	15° 8	F 9
S 10	13 34 55	25°27'34	5♓34	18° 5	22°35	17° 9	8°50	19°59	14°21	29°49	9°51	16°18	16°45	23°14	15° 4	S 10
S 11	13 38 52	26°25'46	19°37	17°31	23°48	17°19	8°46	19°54	14°21	29°51	9°52	16°10	16°42	23°20	15° 0	S 11
M12	13 42 48	27°23'57	4♈ 8	17° 0	25° 1	17°30	8°42	19°50	14°21	29°53	9°53	16° 1	16°39	23°27	14°56	M12
T 13	13 46 45	28°22'06	19° 1	16°33	26°13	17°39	8°38	19°45	14°R21	29°54	9°54	15°50	16°36	23°34	14°52	T 13
W14	13 50 41	29°20'13	4♉ 8	16° 9	27°26	17°48	8°34	19°41	14°21	29°56	9°55	15°40	16°32	23°41	14°48	W14
T 15	13 54 38	0♉18'19	19°19	15°49	28°38	17°57	8°29	19°36	14°21	29°58	9°56	15°30	16°29	23°47	14°44	T 15
F 16	13 58 34	1°16'23	4♊24	15°34	29°51	18° 4	8°25	19°32	14°21	0♊ 0	9°57	15°23	16°26	23°54	14°40	F 16
S 17	14 2 31	2°14'25	19°13	15°23	1♊ 3	18°11	8°20	19°28	14°21	0° 2	9°58	15°18	16°23	24° 1	14°35	S 17
S 18	14 6 27	3°12'26	3♋41	15°17	2°15	18°18	8°15	19°23	14°21	0° 4	9°59	15°16	16°20	24° 7	14°31	S 18
M19	14 10 24	4°10'24	17°45	15°D16	3°28	18°24	8°10	19°19	14°20	0° 7	10° 0	15°D16	16°17	24°14	14°27	M19
T 20	14 14 21	5° 8'21	1♌25	15°19	4°40	18°29	8° 5	19°15	14°20	0° 9	10° 1	15°R16	16°13	24°21	14°22	T 20
W21	14 18 17	6° 6'15	14°43	15°27	5°52	18°33	8° 0	19°10	14°20	0°11	10° 2	15°16	16°10	24°27	14°18	W21
T 22	14 22 14	7° 4'08	27°41	15°40	7° 4	18°37	7°54	19° 6	14°19	0°13	10° 3	15°14	16° 7	24°34	14°14	T 22
F 23	14 26 10	8° 1'59	10♍22	15°57	8°16	18°40	7°49	19° 2	14°19	0°15	10° 4	15°10	16° 4	24°41	14° 9	F 23
S 24	14 30 7	8°59'48	22°51	16°19	9°28	18°42	7°43	18°58	14°18	0°17	10° 5	15° 3	16° 1	24°48	14° 5	S 24
S 25	14 34 3	9°57'35	5♎ 8	16°44	10°40	18°44	7°37	18°54	14°18	0°19	10° 6	14°54	15°58	24°54	14° 0	S 25
M26	14 38 0	10°55'21	17°17	17°15	11°52	18°45	7°31	18°50	14°17	0°21	10° 7	14°43	15°54	25° 1	13°56	M26
T 27	14 41 56	11°53'05	29°20	17°49	13° 4	18°R45	7°25	18°46	14°16	0°23	10° 8	14°31	15°51	25° 8	13°51	T 27
W28	14 45 53	12°50'48	11♏16	18°27	14°16	18°44	7°19	18°42	14°16	0°26	10° 9	14°20	15°48	25°14	13°47	W28
T 29	14 49 49	13°48'29	23° 9	19° 9	15°27	18°43	7°12	18°38	14°15	0°28	10° 9	14° 9	15°45	25°21	13°43	T 29
F 30	14 53 46	14♉46'09	4♐59	19♈54	16♊39	18♐41	7♐ 6	18♎34	14♎14	0♊30	10♓10	14♋ 1	15♋42	25♏28	13♏38	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n36	12s 0	4n26	11n36	2n30	15n40	0n16	22s38	0n 5	21s10	0n47	5s31	2n48	23s12	0s25	18n37	1s35	21s42	14s53	22n30	22n27	14s20	15s 1	1n40
F 2	6 58	15 40	3 52	11 13	2 19	16 5	0 19	22 42	0 3	21 10	0 47	5 29	2 48	23 12	0 25	18 37	1 35	21 42	14 53	22 31	22 27	14 22	14 59	1 40
S 3	7 21	18 41	3 8	10 48	2 6	16 30	0 22	22 46	0 1	21 10	0 47	5 28	2 48	23 12	0 25	18 37	1 35	21 41	14 53	22 32	22 27	14 25	14 58	1 41
S 4	7 43	20 56	2 15	10 21	1 52	16 54	0 24	22 49	0s 1	21 9	0 47	5 26	2 48	23 12	0 25	18 38	1 35	21 41	14 54	22 32	22 28	14 27	14 56	1 41
M 5	8 5	22 16	1 16	9 53	1 38	17 18	0 27	22 53	0 3	21 9	0 47	5 24	2 48	23 12	0 25	18 38	1 35	21 41	14 54	22 33	22 28	14 29	14 55	1 42
T 6	8 27	22 36	0 13	9 23	1 22	17 41	0 30	22 57	0 5	21 8	0 47	5 23	2 48	23 12	0 25	18 39	1 35	21 40	14 54	22 33	22 29	14 31	14 53	1 42
W 7	8 49	21 51	0s52	8 53	1 6	18 4	0 33	23 0	0 8	21 8	0 47	5 21	2 48	23 12	0 25	18 39	1 35	21 40	14 54	22 33	22 29	14 33	14 52	1 42
T 8	9 11	19 59	1 56	8 22	0 49	18 27	0 36	23 4	0 10	21 8	0 47	5 19	2 48	23 12	0 25	18 40	1 35	21 40	14 55	22 33	22 29	14 35	14 50	1 43
F 9	9 32	17 1	2 56	7 52	0 32	18 49	0 38	23 7	0 12	21 7	0 47	5 17	2 48	23 12	0 25	18 40	1 34	21 40	14 55	22 33	22 30	14 38	14 49	1 43
S 10	9 54	13 4	3 49	7 22	0 15	19 10	0 41	23 11	0 15	21 6	0 47	5 16	2 48	23 12	0 25	18 40	1 34	21 40	14 55	22 34	22 30	14 40	14 47	1 43
S 11	10 15	8 16	4 30	6 53	0s 2	19 31	0 44	23 14	0 17	21 6	0 47	5 14	2 48	23 12	0 25	18 41	1 34	21 39	14 55	22 34	22 31	14 42	14 46	1 44
M12	10 36	2 51	4 55	6 26	0 18	19 52	0 47	23 18	0 20	21 5	0 47	5 12	2 48	23 12	0 25	18 41	1 34	21 39	14 56	22 36	22 31	14 44	14 44	1 44
T 13	10 57	2n51	5 1	6 0	0 35	20 12	0 49	23 21	0 22	21 5	0 47	5 11	2 48	23 12	0 25	18 42	1 34	21 39	14 56	22 37	22 31	14 46	14 43	1 45
W14	11 18	8 29	4 46	5 36	0 51	20 32	0 52	23 25	0 25	21 4	0 47	5 9	2 47	23 12	0 25	18 42	1 34	21 39	14 56	22 38	22 32	14 48	14 41	1 45
T 15	11 38	13 37	4 11	5 14	1 6	20 51	0 55	23 28	0 28	21 3	0 47	5 8	2 47	23 12	0 25	18 43	1 34	21 39	14 56	22 39	22 32	14 51	14 40	1 45
F 16	11 59	17 53	3 18	4 55	1 21	21 9	0 57	23 32	0 31	21 3	0 47	5 6	2 47	23 12	0 25	18 43	1 34	21 38	14 57	22 40	22 33	14 53	14 38	1 46
S 17	12 19	20 54	2 13	4 38	1 35	21 27	1 0	23 35	0 33	21 2	0 47	5 4	2 47	23 12	0 25	18 44	1 34	21 38	14 57	22 41	22 33	14 55	14 37	1 46
S 18	12 39	22 29	1 1	4 23	1 48	21 44	1 2	23 38	0 36	21 1	0 47	5 3	2 47	23 12	0 25	18 44	1 34	21 38	14 57	22 41	22 33	14 57	14 35	1 46
M19	12 58	22 36	0n13	4 11	2 1	22 1	1 5	23 42	0 39	21 0	0 47	5 1	2 47	23 12	0 25	18 44	1 34	21 38	14 58	22 41	22 34	14 59	14 33	1 47
T 20	13 18	21 19	1 25	4 2	2 12	22 17	1 8	23 45	0 42	20 59	0 47	5 0	2 47	23 12	0 25	18 45	1 34	21 38	14 58	22 41	22 34	15 1	14 32	1 47
W21	13 37	18 53	2 30	3 55	2 23	22 33	1 10	23 49	0 45	20 59	0 47	4 58	2 47	23 12	0 25	18 45	1 34	21 38	14 58	22 41	22 34	15 3	14 30	1 47
T 22	13 56	15 33	3 25	3 51	2 33	22 47	1 13	23 52	0 48	20 58	0 47	4 57	2 47	23 12	0 25	18 46	1 34	21 38	14 59	22 41	22 35	15 6	14 29	1 47
F 23	14 15	11 33	4 9	3 50	2 41	23 2	1 15	23 55	0 51	20 57	0 47	4 55	2 47	23 12	0 25	18 46	1 34	21 38	14 59	22 42	22 35	15 8	14 27	1 48
S 24	14 34	7 9	4 41	3 51	2 49	23 15	1 17	23 59	0 54	20 56	0 47	4 54	2 47	23 12	0 25	18 47	1 34	21 38	14 59	22 42	22 36	15 10	14 25	1 48
S 25	14 52	2 31	4 58	3 54	2 56	23 28	1 20	24 2	0 58	20 55	0 47	4 52	2 47	23 12	0 25	18 47	1 34	21 38	14 59	22 43	22 36	15 12	14 24	1 48
M26	15 11	2s10	5 2	4 0	3 2	23 41	1 22	24 5	1 1	20 54	0 47	4 51	2 46	23 13	0 25	18 48	1 34	21 37	15 0	22 45	22 36	15 14	14 22	1 49
T 27	15 29	6 43	4 53	4 8	3 7	23 53	1 24	24 9	1 4	20 53	0 47	4 49	2 46	23 13	0 25	18 48	1 34	21 37	15 0	22 46	22 37	15 16	14 21	1 49
W28	15 46	11 0	4 31	4 19	3 12	24 4	1 27	24 12	1 8	20 52	0 47	4 48	2 46	23 13	0 25	18 49	1 34	21 37	15 0	22 47	22 37	15 18	14 19	1 49
T 29	16 4	14 50	3 56	4 31	3 15	24 14	1 29	24 15	1 11	20 51	0 47	4 47	2 46	23 13	0 25	18 49	1 34	21 37	15 1	22 48	22 37	15 20	14 17	1 50
F 30	16n21	18s 5	3n12	4n46	3s18	24n24	1n31	24s19	1s15	20s50	0n47	4s45	2n46	23s13	0s25	18n50	1s34	21s37	15s 1	22n49	22n38	15s23	14s16	1n50

Julian Day Number = 2111965.5, Delta T = 19m24s
Ecliptic obliquity = 23°33'33, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°46'47, Lahiri = 10°53'47 Julian Calendar 1 Apr. 1070 == Greg. Calendar 7 Apr. 1070

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1070
geocentric

MAY 1070 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 57 43	15♉43'48	16♐49	20♈43	17♊51	18°R38	6°R59	18°R30	14°R13	0♊32	10♓11	13°R55	15♋38	25♏34	13°R34	S 1
S 2	15 1 39	16°41'26	28°41	21°36	19° 2	18♐34	6♐53	18♎26	14♑12	0°34	10°12	13♋52	15°35	25°41	13♏29	S 2
M 3	15 5 36	17°39'02	10♑38	22°32	20°14	18°30	6°46	18°23	14°12	0°36	10°13	13°D50	15°32	25°48	13°25	M 3
T 4	15 9 32	18°36'38	22°45	23°31	21°25	18°25	6°39	18°19	14°11	0°39	10°13	13°51	15°29	25°54	13°20	T 4
W 5	15 13 29	19°34'12	5♒ 5	24°33	22°37	18°19	6°32	18°16	14°10	0°41	10°14	13°52	15°26	26° 1	13°16	W 5
T 6	15 17 25	20°31'46	17°43	25°39	23°48	18°12	6°25	18°12	14° 8	0°43	10°15	13°R52	15°23	26° 8	13°12	T 6
F 7	15 21 22	21°29'18	0♓45	26°47	24°59	18° 5	6°18	18° 9	14° 7	0°45	10°15	13°52	15°19	26°15	13° 7	F 7
S 8	15 25 19	22°26'50	14°13	27°59	26°10	17°57	6°11	18° 5	14° 6	0°47	10°16	13°50	15°16	26°21	13° 3	S 8
S 9	15 29 15	23°24'21	28° 9	29°13	27°21	17°48	6° 4	18° 2	14° 5	0°50	10°17	13°46	15°13	26°28	12°59	S 9
M10	15 33 12	24°21'51	12♈34	0♉30	28°32	17°38	5°56	17°59	14° 4	0°52	10°17	13°40	15°10	26°35	12°54	M10
T 11	15 37 8	25°19'20	27°23	1°50	29°43	17°28	5°49	17°56	14° 2	0°54	10°18	13°33	15° 7	26°41	12°50	T 11
W12	15 41 5	26°16'48	12♉31	3°12	0♋54	17°17	5°42	17°53	14° 1	0°56	10°18	13°26	15° 4	26°48	12°46	W12
T 13	15 45 1	27°14'16	27°46	4°38	2° 5	17° 5	5°34	17°50	14° 0	0°59	10°19	13°20	15° 0	26°55	12°41	T 13
F 14	15 48 58	28°11'42	13♊ 0	6° 6	3°16	16°53	5°27	17°47	13°58	1° 1	10°19	13°15	14°57	27° 1	12°37	F 14
S 15	15 52 54	29° 9'07	28° 0	7°36	4°27	16°40	5°19	17°44	13°57	1° 3	10°20	13°12	14°54	27° 8	12°33	S 15
S 16	15 56 51	0♊ 6'32	12♋41	9° 9	5°37	16°26	5°11	17°41	13°55	1° 5	10°20	13°D11	14°51	27°15	12°29	S 16
M17	16 0 48	1° 3'55	26°57	10°45	6°48	16°12	5° 4	17°38	13°54	1° 8	10°21	13°12	14°48	27°21	12°25	M17
T 18	16 4 44	2° 1'17	10♌46	12°24	7°59	15°57	4°56	17°36	13°52	1°10	10°21	13°13	14°44	27°28	12°21	T 18
W19	16 8 41	2°58'38	24° 9	14° 5	9° 9	15°42	4°49	17°33	13°51	1°12	10°22	13°14	14°41	27°35	12°17	W19
T 20	16 12 37	3°55'58	7♍ 8	15°48	10°19	15°26	4°41	17°31	13°49	1°14	10°22	13°R14	14°38	27°41	12°13	T 20
F 21	16 16 34	4°53'16	19°48	17°34	11°30	15°10	4°33	17°28	13°47	1°17	10°22	13°13	14°35	27°48	12° 9	F 21
S 22	16 20 30	5°50'34	2♎11	19°23	12°40	14°53	4°26	17°26	13°46	1°19	10°23	13°11	14°32	27°55	12° 5	S 22
S 23	16 24 27	6°47'51	14°22	21°14	13°50	14°36	4°18	17°24	13°44	1°21	10°23	13° 6	14°29	28° 2	12° 2	S 23
M24	16 28 23	7°45'06	26°24	23° 7	15° 0	14°18	4°10	17°22	13°42	1°23	10°23	13° 1	14°25	28° 8	11°58	M24
T 25	16 32 20	8°42'21	8♏19	25° 3	16°10	14° 1	4° 3	17°20	13°40	1°25	10°23	12°55	14°22	28°15	11°54	T 25
W26	16 36 17	9°39'36	20°11	27° 2	17°20	13°43	3°55	17°18	13°39	1°28	10°24	12°49	14°19	28°22	11°51	W26
T 27	16 40 13	10°36'49	2♐ 1	29° 2	18°29	13°24	3°48	17°16	13°37	1°30	10°24	12°43	14°16	28°28	11°47	T 27
F 28	16 44 10	11°34'02	13°52	1♊ 4	19°39	13° 6	3°40	17°14	13°35	1°32	10°24	12°39	14°13	28°35	11°44	F 28
S 29	16 48 6	12°31'15	25°45	3° 9	20°49	12°47	3°33	17°13	13°33	1°34	10°24	12°37	14°10	28°42	11°40	S 29
S 30	16 52 3	13°28'27	7♑43	5°15	21°58	12°28	3°25	17°11	13°31	1°37	10°24	12°D35	14° 6	28°48	11°37	S 30
M31	16 55 59	14♊25'39	19♑48	7♊22	23♋ 7	12♐ 9	3♐18	17♎10	13♑29	1♊39	10♓25	12♋35	14♋ 3	28♏55	11♏34	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n38	20s35	2n19	5n 3	3s19	24n33	1n33	24s22	1s18	20s49	0n47	4s44	2n46	23s13	0s26	18n50	1s34	21s37	15s 1	22n50	22n38	15s25	14s14	1n50
S 2	16 55	22 13	1 20	5 22	3 20	24 41	1 35	24 25	1 22	20 48	0 47	4 43	2 46	23 13	0 26	18 51	1 34	21 37	15 2	22 50	22 39	15 27	14 13	1 50
M 3	17 11	22 51	0 17	5 42	3 21	24 49	1 37	24 29	1 25	20 47	0 46	4 41	2 45	23 13	0 26	18 51	1 34	21 37	15 2	22 50	22 39	15 29	14 11	1 51
T 4	17 27	22 25	0s48	6 5	3 20	24 56	1 39	24 32	1 29	20 46	0 46	4 40	2 45	23 13	0 26	18 51	1 34	21 37	15 2	22 50	22 39	15 31	14 9	1 51
W 5	17 43	20 54	1 52	6 29	3 19	25 2	1 41	24 35	1 33	20 45	0 46	4 39	2 45	23 14	0 26	18 52	1 34	21 37	15 3	22 50	22 40	15 33	14 8	1 51
T 6	17 58	18 19	2 52	6 54	3 17	25 7	1 43	24 38	1 37	20 44	0 46	4 38	2 45	23 14	0 26	18 52	1 34	21 37	15 3	22 50	22 40	15 35	14 6	1 51
F 7	18 14	14 46	3 45	7 21	3 14	25 12	1 44	24 41	1 40	20 43	0 46	4 37	2 45	23 14	0 26	18 53	1 34	21 38	15 4	22 50	22 40	15 37	14 5	1 52
S 8	18 28	10 21	4 28	7 50	3 11	25 16	1 46	24 44	1 44	20 41	0 46	4 36	2 45	23 14	0 26	18 53	1 34	21 38	15 4	22 50	22 41	15 39	14 3	1 52
S 9	18 43	5 16	4 56	8 20	3 7	25 20	1 48	24 47	1 48	20 40	0 46	4 35	2 44	23 14	0 26	18 54	1 34	21 38	15 4	22 51	22 41	15 42	14 2	1 52
M10	18 57	0n16	5 7	8 51	3 3	25 22	1 49	24 50	1 52	20 39	0 46	4 33	2 44	23 14	0 26	18 54	1 34	21 38	15 5	22 51	22 42	15 44	14 0	1 52
T 11	19 11	5 57	4 59	9 24	2 58	25 24	1 51	24 53	1 56	20 38	0 46	4 32	2 44	23 15	0 26	18 55	1 34	21 38	15 5	22 52	22 42	15 46	13 59	1 53
W12	19 25	11 24	4 29	9 57	2 52	25 26	1 52	24 56	2 0	20 37	0 46	4 31	2 44	23 15	0 26	18 55	1 34	21 38	15 5	22 53	22 42	15 48	13 57	1 53
T 13	19 38	16 11	3 40	10 32	2 46	25 26	1 54	24 59	2 4	20 35	0 46	4 30	2 44	23 15	0 26	18 56	1 34	21 38	15 6	22 53	22 43	15 50	13 56	1 53
F 14	19 51	19 54	2 36	11 7	2 39	25 26	1 55	25 2	2 8	20 34	0 46	4 30	2 43	23 15	0 26	18 56	1 34	21 38	15 6	22 54	22 43	15 52	13 54	1 53
S 15	20 4	22 11	1 21	11 44	2 31	25 25	1 56	25 4	2 12	20 33	0 45	4 29	2 43	23 15	0 26	18 57	1 34	21 38	15 6	22 54	22 43	15 54	13 53	1 54
S 16	20 16	22 54	0 3	12 21	2 23	25 23	1 57	25 7	2 16	20 32	0 45	4 28	2 43	23 15	0 26	18 57	1 34	21 39	15 7	22 54	22 44	15 56	13 51	1 54
M17	20 29	22 5	1n14	12 59	2 15	25 21	1 58	25 9	2 20	20 31	0 45	4 27	2 43	23 16	0 26	18 58	1 34	21 39	15 7	22 54	22 44	15 58	13 50	1 54
T 18	20 40	19 56	2 24	13 38	2 6	25 18	1 59	25 12	2 24	20 29	0 45	4 26	2 43	23 16	0 26	18 58	1 34	21 39	15 7	22 54	22 44	16 0	13 48	1 54
W19	20 52	16 44	3 24	14 17	1 57	25 14	2 0	25 14	2 28	20 28	0 45	4 25	2 42	23 16	0 26	18 59	1 34	21 39	15 8	22 54	22 45	16 2	13 47	1 54
T 20	21 2	12 49	4 11	14 56	1 48	25 10	2 1	25 16	2 31	20 27	0 45	4 25	2 42	23 16	0 26	18 59	1 34	21 39	15 8	22 54	22 45	16 5	13 46	1 55
F 21	21 13	8 26	4 45	15 36	1 38	25 5	2 2	25 18	2 35	20 25	0 45	4 24	2 42	23 16	0 26	18 59	1 34	21 39	15 9	22 54	22 46	16 7	13 44	1 55
S 22	21 23	3 47	5 5	16 16	1 27	24 59	2 2	25 20	2 39	20 24	0 45	4 23	2 42	23 17	0 26	19 0	1 34	21 40	15 9	22 54	22 46	16 9	13 43	1 55
S 23	21 33	0s55	5 11	16 55	1 17	24 52	2 3	25 22	2 43	20 23	0 45	4 23	2 42	23 17	0 26	19 0	1 34	21 40	15 9	22 55	22 46	16 11	13 42	1 55
M24	21 43	5 32	5 2	17 35	1 6	24 45	2 3	25 24	2 47	20 22	0 44	4 22	2 41	23 17	0 26	19 1	1 34	21 40	15 10	22 55	22 46	16 13	13 40	1 55
T 25	21 52	9 55	4 41	18 14	0 55	24 37	2 4	25 25	2 51	20 20	0 44	4 22	2 41	23 17	0 26	19 1	1 34	21 40	15 10	22 56	22 47	16 15	13 39	1 56
W26	22 1	13 54	4 8	18 53	0 44	24 29	2 4	25 27	2 55	20 19	0 44	4 21	2 41	23 17	0 26	19 2	1 34	21 41	15 10	22 56	22 47	16 17	13 38	1 56
T 27	22 9	17 21	3 24	19 31	0 33	24 19	2 4	25 28	2 58	20 18	0 44	4 21	2 41	23 18	0 26	19 2	1 34	21 41	15 11	22 57	22 47	16 19	13 36	1 56
F 28	22 17	20 5	2 31	20 7	0 22	24 9	2 4	25 29	3 2	20 16	0 44	4 20	2 40	23 18	0 26	19 3	1 34	21 41	15 11	22 57	22 48	16 21	13 35	1 56
S 29	22 25	21 59	1 31	20 43	0 11	23 59	2 4	25 31	3 6	20 15	0 44	4 20	2 40	23 18	0 26	19 3	1 34	21 41	15 12	22 57	22 48	16 23	13 34	1 56
S 30	22 32	22 53	0 27	21 17	0n 0	23 48	2 4	25 32	3 9	20 14	0 44	4 19	2 40	23 18	0 26	19 3	1 34	21 42	15 12	22 58	22 48	16 25	13 33	1 56
M31	22n39	22s44	0s40	21n50	0n11	23n36	2n 4	25s33	3s13	20s13	0n43	4s19	2n40	23s18	0s26	19n 4	1s34	21s42	15s12	22n58	22n49	16s27	13s32	1n57

Julian Day Number = 2111995.5, Delta T = 19m24s
Ecliptic obliquity = 23°33'33, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°46'51, Lahiri = 10°53'51 Julian Calendar 1 May 1070 == Greg. Calendar 7 May 1070

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1070
geocentric

JUNE 1070 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 59 56	15♊22'50	2♒ 2	9♊31	24♋17	11°R50	3°R10	17°R 8	13°R27	1♊41	10♓25	12♋37	14♋ 0	29♏ 2	11°R31	T 1
W 2	17 3 52	16°20'01	14°29	11°41	25°26	11♐32	3♐ 3	17♎ 7	13♑25	1°43	10°25	12°38	13°57	29° 8	11♏28	W 2
T 3	17 7 49	17°17'12	27°13	13°52	26°35	11°13	2°56	17° 6	13°23	1°45	10°25	12°40	13°54	29°15	11°24	T 3
F 4	17 11 46	18°14'23	10♓15	16° 3	27°44	10°54	2°49	17° 5	13°21	1°48	10°25	12°41	13°50	29°22	11°22	F 4
S 5	17 15 42	19°11'34	23°40	18°14	28°53	10°35	2°42	17° 4	13°19	1°50	10°R25	12°R41	13°47	29°28	11°19	S 5
S 6	17 19 39	20° 8'45	7♈28	20°25	0♌ 2	10°17	2°35	17° 3	13°17	1°52	10°25	12°40	13°44	29°35	11°16	S 6
M 7	17 23 35	21° 5'56	21°42	22°36	1°10	9°59	2°28	17° 2	13°14	1°54	10°25	12°38	13°41	29°42	11°13	M 7
T 8	17 27 32	22° 3'07	6♉17	24°46	2°19	9°41	2°21	17° 1	13°12	1°56	10°25	12°36	13°38	29°48	11°10	T 8
W 9	17 31 28	23° 0'18	21°11	26°56	3°27	9°23	2°14	17° 1	13°10	1°58	10°25	12°33	13°35	29°55	11° 8	W 9
T 10	17 35 25	23°57'30	6♊15	29° 4	4°36	9° 6	2° 7	17° 0	13° 8	2° 0	10°24	12°31	13°31	0♐ 2	11° 5	T 10
F 11	17 39 21	24°54'41	21°21	1♋11	5°44	8°49	2° 1	17° 0	13° 6	2° 2	10°24	12°29	13°28	0° 9	11° 3	F 11
S 12	17 43 18	25°51'52	6♋19	3°17	6°52	8°33	1°54	17° 0	13° 3	2° 5	10°24	12°D29	13°25	0°15	11° 1	S 12
S 13	17 47 15	26°49'04	21° 3	5°21	8° 0	8°17	1°48	16°59	13° 1	2° 7	10°24	12°29	13°22	0°22	10°58	S 13
M14	17 51 11	27°46'15	5♌24	7°24	9° 8	8° 2	1°42	16°59	12°59	2° 9	10°24	12°29	13°19	0°29	10°56	M14
T 15	17 55 8	28°43'26	19°21	9°25	10°16	7°47	1°36	16°D59	12°56	2°11	10°24	12°30	13°16	0°35	10°54	T 15
W16	17 59 4	29°40'36	2♍51	11°24	11°23	7°33	1°30	16°59	12°54	2°13	10°23	12°32	13°12	0°42	10°52	W16
T 17	18 3 1	0♋37'46	15°56	13°21	12°31	7°20	1°24	16°59	12°52	2°15	10°23	12°32	13° 9	0°49	10°51	T 17
F 18	18 6 57	1°34'57	28°38	15°17	13°38	7° 7	1°18	17° 0	12°49	2°17	10°23	12°R33	13° 6	0°55	10°49	F 18
S 19	18 10 54	2°32'07	11♎ 2	17°10	14°45	6°55	1°12	17° 0	12°47	2°19	10°22	12°33	13° 3	1° 2	10°47	S 19
S 20	18 14 50	3°29'17	23°12	19° 2	15°52	6°44	1° 7	17° 1	12°45	2°21	10°22	12°32	13° 0	1° 9	10°45	S 20
M21	18 18 47	4°26'27	5♏11	20°51	16°59	6°33	1° 2	17° 1	12°42	2°23	10°22	12°31	12°56	1°15	10°44	M21
T 22	18 22 44	5°23'37	17° 3	22°39	18° 6	6°23	0°56	17° 2	12°40	2°25	10°21	12°30	12°53	1°22	10°43	T 22
W23	18 26 40	6°20'47	28°53	24°25	19°12	6°14	0°51	17° 3	12°38	2°27	10°21	12°29	12°50	1°29	10°41	W23
T 24	18 30 37	7°17'57	10♐44	26° 8	20°19	6° 6	0°47	17° 3	12°35	2°29	10°21	12°29	12°47	1°35	10°40	T 24
F 25	18 34 33	8°15'08	22°38	27°50	21°25	5°59	0°42	17° 4	12°33	2°31	10°20	12°28	12°44	1°42	10°39	F 25
S 26	18 38 30	9°12'19	4♑38	29°30	22°31	5°52	0°37	17° 6	12°30	2°32	10°20	12°28	12°41	1°49	10°38	S 26
S 27	18 42 26	10° 9'30	16°46	1♌ 8	23°37	5°46	0°33	17° 7	12°28	2°34	10°19	12°D28	12°37	1°55	10°37	S 27
M28	18 46 23	11° 6'42	29° 4	2°44	24°43	5°41	0°28	17° 8	12°26	2°36	10°19	12°28	12°34	2° 2	10°36	M28
T 29	18 50 20	12° 3'55	11♒33	4°18	25°48	5°37	0°24	17° 9	12°23	2°38	10°18	12°R28	12°31	2° 9	10°36	T 29
W30	18 54 16	13♋ 1'08	24♒15	5♌50	26♌54	5♐33	0♐20	17♎11	12♑21	2♊40	10♓18	12♋28	12♋28	2♐15	10♏35	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n45	21s30	1s45	22n21	0n22	23n24	2n 3	25s33	3s16	20s11	0n43	4s19	2n39	23s19	0s26	19n 4	1s34	21s42	15s13	22n57	22n49	16s29	13s31	1n57
W 2	22 51	19 13	2 46	22 50	0 32	23 11	2 3	25 34	3 19	20 10	0 43	4 18	2 39	23 19	0 26	19 5	1 34	21 43	15 13	22 57	22 49	16 31	13 30	1 57
T 3	22 57	15 58	3 41	23 16	0 42	22 57	2 3	25 34	3 22	20 9	0 43	4 18	2 39	23 19	0 26	19 5	1 34	21 43	15 13	22 57	22 50	16 33	13 28	1 57
F 4	23 2	11 52	4 26	23 40	0 51	22 43	2 2	25 35	3 26	20 8	0 43	4 18	2 39	23 19	0 26	19 6	1 34	21 43	15 14	22 57	22 50	16 35	13 27	1 57
S 5	23 7	7 5	4 58	24 2	1 0	22 28	2 1	25 35	3 29	20 6	0 43	4 18	2 38	23 20	0 26	19 6	1 34	21 44	15 14	22 57	22 50	16 37	13 26	1 57
S 6	23 11	1 49	5 14	24 21	1 8	22 13	2 1	25 35	3 32	20 5	0 42	4 18	2 38	23 20	0 26	19 6	1 34	21 44	15 15	22 57	22 51	16 39	13 25	1 57
M 7	23 16	3n41	5 11	24 37	1 16	21 57	2 0	25 36	3 34	20 4	0 42	4 18	2 38	23 20	0 26	19 7	1 34	21 44	15 15	22 57	22 51	16 41	13 24	1 58
T 8	23 19	9 8	4 49	24 50	1 23	21 40	1 59	25 36	3 37	20 3	0 42	4 18	2 38	23 20	0 26	19 7	1 34	21 45	15 15	22 58	22 51	16 43	13 23	1 58
W 9	23 22	14 11	4 7	25 1	1 29	21 23	1 58	25 35	3 40	20 2	0 42	4 18	2 37	23 20	0 26	19 8	1 34	21 45	15 16	22 58	22 52	16 45	13 23	1 58
T 10	23 25	18 23	3 7	25 8	1 35	21 5	1 56	25 35	3 42	20 1	0 42	4 18	2 37	23 21	0 26	19 8	1 34	21 45	15 16	22 58	22 52	16 47	13 22	1 58
F 11	23 28	21 23	1 54	25 13	1 40	20 47	1 55	25 35	3 45	19 59	0 41	4 18	2 37	23 21	0 26	19 9	1 34	21 46	15 16	22 58	22 52	16 50	13 21	1 58
S 12	23 30	22 50	0 34	25 15	1 44	20 29	1 54	25 35	3 47	19 58	0 41	4 18	2 37	23 21	0 26	19 9	1 34	21 46	15 17	22 58	22 53	16 52	13 20	1 58
S 13	23 31	22 41	0n47	25 14	1 47	20 10	1 52	25 34	3 50	19 57	0 41	4 18	2 36	23 21	0 26	19 9	1 34	21 47	15 17	22 58	22 53	16 54	13 19	1 58
M14	23 32	21 0	2 4	25 11	1 50	19 50	1 50	25 34	3 52	19 56	0 41	4 18	2 36	23 22	0 26	19 10	1 34	21 47	15 17	22 58	22 53	16 56	13 18	1 58
T 15	23 33	18 6	3 10	25 5	1 52	19 30	1 49	25 34	3 54	19 55	0 41	4 19	2 36	23 22	0 26	19 10	1 34	21 47	15 18	22 58	22 54	16 58	13 18	1 59
W16	23 34	14 18	4 4	24 57	1 53	19 10	1 47	25 33	3 56	19 54	0 41	4 19	2 36	23 22	0 26	19 11	1 34	21 48	15 18	22 58	22 54	17 0	13 17	1 59
T 17	23 33	9 55	4 43	24 46	1 54	18 49	1 45	25 33	3 57	19 53	0 40	4 19	2 35	23 22	0 26	19 11	1 34	21 48	15 19	22 58	22 54	17 2	13 16	1 59
F 18	23 33	5 14	5 8	24 34	1 54	18 27	1 43	25 32	3 59	19 52	0 40	4 19	2 35	23 23	0 27	19 11	1 34	21 49	15 19	22 58	22 55	17 4	13 16	1 59
S 19	23 32	0 28	5 17	24 19	1 53	18 5	1 41	25 32	4 1	19 51	0 40	4 20	2 35	23 23	0 27	19 12	1 34	21 49	15 19	22 58	22 55	17 6	13 15	1 59
S 20	23 31	4s14	5 11	24 2	1 51	17 43	1 38	25 31	4 2	19 50	0 40	4 20	2 34	23 23	0 27	19 12	1 34	21 50	15 20	22 58	22 55	17 8	13 15	1 59
M21	23 29	8 43	4 53	23 44	1 49	17 21	1 36	25 31	4 4	19 49	0 40	4 21	2 34	23 23	0 27	19 12	1 34	21 50	15 20	22 58	22 56	17 10	13 14	1 59
T 22	23 27	12 50	4 21	23 24	1 47	16 58	1 33	25 30	4 5	19 48	0 39	4 21	2 34	23 24	0 27	19 13	1 34	21 51	15 20	22 58	22 56	17 12	13 13	1 59
W23	23 24	16 27	3 39	23 3	1 44	16 34	1 31	25 30	4 6	19 48	0 39	4 22	2 34	23 24	0 27	19 13	1 34	21 51	15 21	22 58	22 56	17 13	13 13	1 59
T 24	23 21	19 25	2 47	22 40	1 40	16 11	1 28	25 29	4 7	19 47	0 39	4 22	2 33	23 24	0 27	19 13	1 34	21 51	15 21	22 58	22 56	17 15	13 13	1 59
F 25	23 18	21 33	1 48	22 15	1 36	15 46	1 25	25 29	4 8	19 46	0 39	4 23	2 33	23 24	0 27	19 14	1 34	21 52	15 21	22 58	22 57	17 17	13 12	1 59
S 26	23 14	22 45	0 43	21 50	1 31	15 22	1 22	25 29	4 9	19 45	0 39	4 24	2 33	23 25	0 27	19 14	1 34	21 52	15 22	22 58	22 57	17 19	13 12	2 0
S 27	23 10	22 54	0s24	21 24	1 25	14 57	1 19	25 28	4 10	19 45	0 38	4 24	2 33	23 25	0 27	19 14	1 34	21 53	15 22	22 58	22 57	17 21	13 11	2 0
M28	23 5	21 56	1 31	20 56	1 20	14 32	1 16	25 28	4 11	19 44	0 38	4 25	2 32	23 25	0 27	19 15	1 34	21 53	15 22	22 58	22 58	17 23	13 11	2 0
T 29	23 0	19 53	2 35	20 28	1 13	14 7	1 12	25 28	4 11	19 43	0 38	4 26	2 32	23 25	0 27	19 15	1 34	21 54	15 23	22 58	22 58	17 25	13 11	2 0
W30	22n55	16s50	3s32	19n59	1n 6	13n41	1n 9	25s28	4s12	19s43	0n38	4s27	2n32	23s25	0s27	19n15	1s34	21s54	15s23	22n58	22n58	17s27	13s11	2n 0

Julian Day Number = 2112026.5, Delta T = 19m24s
Ecliptic obliquity = 23°33'32, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°46'55, Lahiri = 10°53'56 Julian Calendar 1 June 1070 == Greg. Calendar 7 June 1070

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1070
geocentric

JULY 1070 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 58 13	13♋58'21	7♓11	7♌21	27♌59	5°R31	0°R17	17♎12	12°R18	2♊42	10°R17	12°R28	12♋25	2♐22	10°R35	T 1
F 2	19 2 9	14°55'36	20°23	8°49	29° 4	5♐29	0♐13	17°14	12♏16	2°43	10♓16	12♋28	12°22	2°29	10♏34	F 2
S 3	19 6 6	15°52'51	3♈52	10°15	0♍ 9	5°28	0° 9	17°16	12°14	2°45	10°16	12°28	12°18	2°36	10°34	S 3
S 4	19 10 2	16°50'07	17°38	11°39	1°13	5°D28	0° 6	17°17	12°11	2°47	10°15	12°D28	12°15	2°42	10°34	S 4
M 5	19 13 59	17°47'24	1♉42	13° 1	2°17	5°29	0° 3	17°19	12° 9	2°49	10°15	12°28	12°12	2°49	10°D34	M 5
T 6	19 17 55	18°44'43	16° 2	14°21	3°22	5°30	0° 0	17°21	12° 6	2°50	10°14	12°28	12° 9	2°56	10°34	T 6
W 7	19 21 52	19°42'02	0♊35	15°39	4°26	5°33	29♏57	17°23	12° 4	2°52	10°13	12°29	12° 6	3° 2	10°34	W 7
T 8	19 25 48	20°39'23	15°17	16°55	5°29	5°36	29°55	17°26	12° 2	2°54	10°12	12°29	12° 2	3° 9	10°34	T 8
F 9	19 29 45	21°36'44	0♋ 3	18° 9	6°33	5°40	29°52	17°28	11°59	2°55	10°12	12°30	11°59	3°16	10°34	F 9
S 10	19 33 42	22°34'06	14°46	19°20	7°36	5°45	29°50	17°30	11°57	2°57	10°11	12°R30	11°56	3°22	10°35	S 10
S 11	19 37 38	23°31'30	29°18	20°29	8°39	5°51	29°48	17°33	11°55	2°58	10°10	12°30	11°53	3°29	10°35	S 11
M12	19 41 35	24°28'54	13♌34	21°35	9°42	5°57	29°46	17°35	11°52	3° 0	10° 9	12°29	11°50	3°36	10°36	M12
T 13	19 45 31	25°26'19	27°30	22°39	10°44	6° 4	29°44	17°38	11°50	3° 2	10° 9	12°27	11°47	3°42	10°37	T 13
W14	19 49 28	26°23'44	11♍ 2	23°40	11°47	6°13	29°43	17°41	11°48	3° 3	10° 8	12°25	11°43	3°49	10°37	W14
T 15	19 53 24	27°21'11	24°10	24°38	12°49	6°21	29°42	17°44	11°45	3° 4	10° 7	12°24	11°40	3°56	10°38	T 15
F 16	19 57 21	28°18'38	6♎56	25°34	13°50	6°31	29°40	17°47	11°43	3° 6	10° 6	12°22	11°37	4° 2	10°39	F 16
S 17	20 1 18	29°16'06	19°22	26°26	14°52	6°42	29°39	17°50	11°41	3° 7	10° 5	12°21	11°34	4° 9	10°40	S 17
S 18	20 5 14	0♌13'34	1♏32	27°16	15°53	6°53	29°39	17°53	11°39	3° 9	10° 4	12°D21	11°31	4°16	10°42	S 18
M19	20 9 11	1°11'04	13°31	28° 1	16°53	7° 5	29°38	17°56	11°36	3°10	10° 4	12°21	11°27	4°22	10°43	M19
T 20	20 13 7	2° 8'34	25°23	28°44	17°54	7°17	29°38	17°59	11°34	3°12	10° 3	12°22	11°24	4°29	10°45	T 20
W21	20 17 4	3° 6'06	7♐13	29°23	18°54	7°31	29°38	18° 3	11°32	3°13	10° 2	12°24	11°21	4°36	10°46	W21
T 22	20 21 0	4° 3'38	19° 6	29°57	19°54	7°45	29°D38	18° 6	11°30	3°14	10° 1	12°25	11°18	4°42	10°48	T 22
F 23	20 24 57	5° 1'11	1♑ 4	0♍28	20°53	7°59	29°38	18° 9	11°28	3°15	10° 0	12°27	11°15	4°49	10°49	F 23
S 24	20 28 53	5°58'46	13°12	0°55	21°52	8°15	29°38	18°13	11°25	3°17	9°59	12°R27	11°12	4°56	10°51	S 24
S 25	20 32 50	6°56'21	25°33	1°16	22°51	8°31	29°39	18°17	11°23	3°18	9°58	12°26	11° 8	5° 2	10°53	S 25
M26	20 36 47	7°53'58	8♒ 7	1°34	23°49	8°48	29°39	18°21	11°21	3°19	9°57	12°25	11° 5	5° 9	10°55	M26
T 27	20 40 43	8°51'36	20°55	1°46	24°47	9° 5	29°40	18°24	11°19	3°20	9°56	12°22	11° 2	5°16	10°57	T 27
W28	20 44 40	9°49'16	3♓59	1°53	25°44	9°23	29°41	18°28	11°17	3°21	9°55	12°18	10°59	5°22	11° 0	W28
T 29	20 48 36	10°46'57	17°16	1°R55	26°41	9°41	29°43	18°32	11°15	3°22	9°54	12°13	10°56	5°29	11° 2	T 29
F 30	20 52 33	11°44'39	0♈47	1°51	27°38	10° 0	29°44	18°36	11°13	3°24	9°53	12° 9	10°53	5°36	11° 4	F 30
S 31	20 56 29	12♌42'23	14♈30	1♍41	28♍34	10♐20	29♏46	18♎41	11♑11	3♊25	9♓52	12♋ 6	10♋49	5♐42	11♏ 7	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n49	12s55	4s19	19n29	0n59	13n15	1n 5	25s28	4s12	19s42	0n37	4s27	2n32	23s26	0s27	19n16	1s34	21s55	15s23	22n58	22n59	17s29	13s10	2n 0
F 2	22 43	8 20	4 54	18 59	0 52	12 49	1 2	25 28	4 13	19 41	0 37	4 28	2 31	23 26	0 27	19 16	1 34	21 55	15 24	22 58	22 59	17 31	13 10	2 0
S 3	22 37	3 15	5 14	18 28	0 44	12 23	0 58	25 28	4 13	19 41	0 37	4 29	2 31	23 26	0 27	19 16	1 34	21 56	15 24	22 58	22 59	17 33	13 10	2 0
S 4	22 30	2n 5	5 16	17 57	0 35	11 56	0 54	25 28	4 13	19 40	0 37	4 30	2 31	23 26	0 27	19 17	1 34	21 57	15 24	22 58	22 59	17 35	13 10	2 0
M 5	22 22	7 26	5 0	17 25	0 27	11 29	0 50	25 29	4 14	19 40	0 37	4 31	2 30	23 27	0 27	19 17	1 34	21 57	15 25	22 58	23 0	17 37	13 10	2 0
T 6	22 14	12 30	4 25	16 53	0 18	11 2	0 46	25 29	4 14	19 40	0 36	4 32	2 30	23 27	0 27	19 17	1 34	21 58	15 25	22 58	23 0	17 39	13 10	2 0
W 7	22 6	16 55	3 32	16 21	0 8	10 35	0 42	25 30	4 14	19 39	0 36	4 33	2 30	23 27	0 27	19 18	1 34	21 58	15 25	22 58	23 0	17 41	13 10	2 0
T 8	21 58	20 20	2 25	15 49	0s 1	10 7	0 37	25 30	4 14	19 39	0 36	4 34	2 30	23 27	0 27	19 18	1 34	21 59	15 25	22 58	23 1	17 43	13 10	2 0
F 9	21 49	22 25	1 9	15 17	0 11	9 40	0 33	25 31	4 13	19 39	0 36	4 35	2 29	23 27	0 27	19 18	1 34	21 59	15 26	22 58	23 1	17 45	13 10	2 0
S 10	21 40	22 57	0n13	14 46	0 21	9 12	0 28	25 32	4 13	19 38	0 36	4 37	2 29	23 28	0 27	19 18	1 34	22 0	15 26	22 58	23 1	17 47	13 10	2 0
S 11	21 30	21 54	1 32	14 14	0 32	8 44	0 23	25 32	4 13	19 38	0 35	4 38	2 29	23 28	0 27	19 19	1 35	22 0	15 26	22 58	23 1	17 49	13 10	2 0
M12	21 20	19 27	2 44	13 43	0 43	8 16	0 19	25 33	4 13	19 38	0 35	4 39	2 29	23 28	0 27	19 19	1 35	22 1	15 27	22 58	23 2	17 51	13 10	2 0
T 13	21 9	15 54	3 44	13 12	0 53	7 47	0 14	25 34	4 12	19 38	0 35	4 40	2 28	23 28	0 27	19 19	1 35	22 2	15 27	22 58	23 2	17 53	13 10	2 0
W14	20 59	11 37	4 30	12 41	1 5	7 19	0 9	25 35	4 12	19 38	0 35	4 41	2 28	23 29	0 27	19 20	1 35	22 2	15 27	22 59	23 2	17 55	13 11	2 1
T 15	20 48	6 55	5 0	12 11	1 16	6 50	0 4	25 36	4 12	19 38	0 34	4 43	2 28	23 29	0 27	19 20	1 35	22 3	15 27	22 59	23 3	17 56	13 11	2 1
F 16	20 36	2 3	5 15	11 42	1 27	6 22	0s 2	25 38	4 11	19 37	0 34	4 44	2 28	23 29	0 27	19 20	1 35	22 3	15 28	22 59	23 3	17 58	13 11	2 1
S 17	20 24	2s47	5 14	11 13	1 39	5 53	0 7	25 39	4 11	19 37	0 34	4 46	2 27	23 29	0 27	19 20	1 35	22 4	15 28	22 59	23 3	18 0	13 11	2 1
S 18	20 12	7 24	4 59	10 45	1 51	5 24	0 12	25 40	4 10	19 38	0 34	4 47	2 27	23 29	0 27	19 20	1 35	22 4	15 28	22 59	23 3	18 2	13 12	2 1
M19	20 0	11 40	4 31	10 18	2 2	4 56	0 18	25 42	4 9	19 38	0 34	4 48	2 27	23 30	0 27	19 21	1 35	22 5	15 28	22 59	23 4	18 4	13 12	2 1
T 20	19 47	15 28	3 51	9 53	2 14	4 27	0 24	25 43	4 9	19 38	0 33	4 50	2 27	23 30	0 27	19 21	1 35	22 6	15 29	22 59	23 4	18 6	13 13	2 1
W21	19 34	18 38	3 2	9 28	2 26	3 58	0 29	25 45	4 8	19 38	0 33	4 51	2 26	23 30	0 27	19 21	1 35	22 6	15 29	22 59	23 4	18 8	13 13	2 1
T 22	19 20	21 2	2 5	9 5	2 38	3 29	0 35	25 46	4 7	19 38	0 33	4 53	2 26	23 30	0 27	19 21	1 35	22 7	15 29	22 59	23 5	18 10	13 13	2 1
F 23	19 6	22 31	1 2	8 43	2 49	3 0	0 41	25 48	4 6	19 38	0 33	4 54	2 26	23 30	0 27	19 22	1 35	22 7	15 29	22 58	23 5	18 12	13 14	2 1
S 24	18 52	22 58	0s 4	8 23	3 1	2 31	0 47	25 50	4 6	19 39	0 33	4 56	2 26	23 31	0 27	19 22	1 35	22 8	15 30	22 58	23 5	18 14	13 15	2 1
S 25	18 38	22 19	1 11	8 5	3 12	2 2	0 54	25 52	4 5	19 39	0 32	4 58	2 25	23 31	0 27	19 22	1 35	22 8	15 30	22 58	23 5	18 15	13 15	2 1
M26	18 23	20 31	2 16	7 49	3 23	1 33	1 0	25 54	4 4	19 39	0 32	4 59	2 25	23 31	0 27	19 22	1 35	22 9	15 30	22 59	23 6	18 17	13 16	2 1
T 27	18 8	17 41	3 16	7 35	3 34	1 4	1 6	25 55	4 3	19 40	0 32	5 1	2 25	23 31	0 27	19 22	1 35	22 10	15 30	22 59	23 6	18 19	13 16	2 1
W28	17 53	13 55	4 6	7 23	3 44	0 35	1 13	25 57	4 2	19 40	0 32	5 3	2 25	23 31	0 27	19 22	1 35	22 10	15 31	22 59	23 6	18 21	13 17	2 1
T 29	17 37	9 24	4 44	7 13	3 53	0 7	1 19	25 59	4 1	19 41	0 31	5 4	2 25	23 31	0 27	19 23	1 35	22 11	15 31	23 0	23 6	18 23	13 18	2 1
F 30	17 21	4 22	5 7	7 6	4 2	0s22	1 26	26 1	4 0	19 41	0 31	5 6	2 24	23 32	0 27	19 23	1 35	22 11	15 31	23 0	23 7	18 25	13 18	2 1
S 31	17n 5	0n57	5s12	7n 2	4s10	0s51	1s33	26s 3	3s59	19s42	0n31	5s 8	2n24	23s32	0s27	19n23	1s35	22s12	15s31	23n 0	23n 7	18s27	13s19	2n 1

Julian Day Number = 2112056.5, Delta T = 19m23s
Ecliptic obliquity = 23°33'33, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°46'59, Lahiri = 10°54'00 Julian Calendar 1 July 1070 == Greg. Calendar 7 July 1070

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1070
geocentric

AUGUST 1070 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 0 26	13♌40'09	28♈23	1°R26	29♍30	10♐40	29♏47	18♎45	11°R 9	3♊26	9°R51	12°R 3	10♋46	5♐49	11♏10	S 1
M 2	21 4 22	14°37'57	12♉25	1♍ 5	0♎25	11° 1	29°49	18°49	11♉ 7	3°27	9♓50	12°D 2	10°43	5°56	11°12	M 2
T 3	21 8 19	15°35'46	26°35	0°38	1°19	11°23	29°52	18°53	11° 6	3°28	9°49	12♋ 3	10°40	6° 2	11°15	T 3
W 4	21 12 16	16°33'37	10♊50	0° 6	2°14	11°45	29°54	18°58	11° 4	3°28	9°47	12° 4	10°37	6° 9	11°18	W 4
T 5	21 16 12	17°31'31	25°10	29♌28	3° 7	12° 7	29°56	19° 2	11° 2	3°29	9°46	12° 5	10°33	6°16	11°21	T 5
F 6	21 20 9	18°29'26	9♋30	28°45	4° 0	12°30	29°59	19° 7	11° 0	3°30	9°45	12°R 6	10°30	6°22	11°24	F 6
S 7	21 24 5	19°27'22	23°47	27°58	4°53	12°54	0♑ 2	19°12	10°59	3°31	9°44	12° 6	10°27	6°29	11°27	S 7
S 8	21 28 2	20°25'21	7♌58	27° 8	5°44	13°18	0° 5	19°16	10°57	3°32	9°43	12° 3	10°24	6°36	11°31	S 8
M 9	21 31 58	21°23'21	21°57	26°14	6°36	13°42	0° 8	19°21	10°55	3°33	9°42	11°59	10°21	6°42	11°34	M 9
T 10	21 35 55	22°21'23	5♍40	25°19	7°26	14° 7	0°12	19°26	10°54	3°33	9°41	11°54	10°18	6°49	11°37	T 10
W11	21 39 51	23°19'26	19° 6	24°22	8°16	14°33	0°15	19°31	10°52	3°34	9°39	11°47	10°14	6°56	11°41	W11
T 12	21 43 48	24°17'31	2♎10	23°26	9° 5	14°58	0°19	19°36	10°50	3°35	9°38	11°40	10°11	7° 2	11°45	T 12
F 13	21 47 45	25°15'37	14°55	22°32	9°54	15°25	0°23	19°41	10°49	3°35	9°37	11°33	10° 8	7° 9	11°48	F 13
S 14	21 51 41	26°13'45	27°21	21°40	10°41	15°52	0°27	19°46	10°48	3°36	9°36	11°28	10° 5	7°16	11°52	S 14
S 15	21 55 38	27°11'54	9♏32	20°52	11°28	16°19	0°32	19°52	10°46	3°37	9°35	11°24	10° 2	7°22	11°56	S 15
M16	21 59 34	28°10'05	21°30	20° 9	12°14	16°47	0°36	19°57	10°45	3°37	9°34	11°22	9°59	7°29	12° 0	M16
T 17	22 3 31	29° 8'18	3♐22	19°32	13° 0	17°15	0°41	20° 2	10°43	3°38	9°32	11°D22	9°55	7°36	12° 4	T 17
W18	22 7 27	0♍ 6'32	15°12	19° 3	13°44	17°43	0°45	20° 8	10°42	3°38	9°31	11°23	9°52	7°42	12° 8	W18
T 19	22 11 24	1° 4'47	27° 5	18°41	14°27	18°12	0°50	20°13	10°41	3°39	9°30	11°24	9°49	7°49	12°13	T 19
F 20	22 15 20	2° 3'05	9♑ 6	18°27	15°10	18°41	0°55	20°19	10°40	3°39	9°29	11°R25	9°46	7°56	12°17	F 20
S 21	22 19 17	3° 1'24	21°21	18°D22	15°51	19°11	1° 1	20°24	10°38	3°39	9°28	11°25	9°43	8° 2	12°21	S 21
S 22	22 23 13	3°59'44	3♒51	18°26	16°32	19°41	1° 6	20°30	10°37	3°40	9°26	11°22	9°39	8° 9	12°26	S 22
M23	22 27 10	4°58'06	16°40	18°39	17°11	20°11	1°12	20°35	10°36	3°40	9°25	11°18	9°36	8°16	12°30	M23
T 24	22 31 7	5°56'30	29°49	19° 1	17°49	20°42	1°17	20°41	10°35	3°40	9°24	11°11	9°33	8°22	12°35	T 24
W25	22 35 3	6°54'56	13♓16	19°33	18°26	21°13	1°23	20°47	10°34	3°41	9°23	11° 2	9°30	8°29	12°40	W25
T 26	22 39 0	7°53'24	27° 0	20°13	19° 2	21°45	1°29	20°53	10°33	3°41	9°21	10°53	9°27	8°36	12°45	T 26
F 27	22 42 56	8°51'54	10♈57	21° 1	19°36	22°16	1°36	20°59	10°32	3°41	9°20	10°43	9°24	8°42	12°50	F 27
S 28	22 46 53	9°50'26	25° 2	21°57	20° 9	22°48	1°42	21° 5	10°31	3°41	9°19	10°35	9°20	8°49	12°54	S 28
S 29	22 50 49	10°49'00	9♉13	23° 1	20°41	23°21	1°48	21°11	10°31	3°41	9°18	10°29	9°17	8°56	13° 0	S 29
M30	22 54 46	11°47'36	23°24	24°11	21°12	23°53	1°55	21°17	10°30	3°41	9°17	10°26	9°14	9° 2	13° 5	M30
T 31	22 58 42	12♍46'15	7♊35	25♌28	21♎41	24♐26	2♑ 2	21♎23	10♉29	3♊41	9♓15	10°D24	9♋11	9♐ 9	13♏10	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n48	6n17	5s 0	7n 0	4s18	1s19	1s40	26s 5	3s58	19s42	0n31	5s10	2n24	23s32	0s27	19n23	1s35	22s13	15s31	23n 1	23n 7	18s29	13s20	2n 1
M 2	16 32	11 21	4 30	7 2	4 24	1 48	1 47	26 7	3 57	19 43	0 31	5 12	2 24	23 32	0 27	19 23	1 35	22 13	15 31	23 1	23 7	18 30	13 21	2 1
T 3	16 14	15 52	3 43	7 7	4 29	2 16	1 54	26 9	3 56	19 44	0 30	5 13	2 23	23 32	0 27	19 23	1 35	22 14	15 32	23 1	23 8	18 32	13 22	2 1
W 4	15 57	19 30	2 42	7 15	4 32	2 44	2 1	26 11	3 55	19 44	0 30	5 15	2 23	23 32	0 27	19 24	1 35	22 14	15 32	23 1	23 8	18 34	13 22	2 1
T 5	15 40	21 57	1 31	7 26	4 35	3 12	2 8	26 13	3 54	19 45	0 30	5 17	2 23	23 32	0 27	19 24	1 36	22 15	15 32	23 0	23 8	18 36	13 23	2 1
F 6	15 22	22 59	0 14	7 40	4 35	3 40	2 15	26 15	3 53	19 46	0 30	5 19	2 23	23 33	0 27	19 24	1 36	22 16	15 32	23 0	23 8	18 38	13 24	2 1
S 7	15 4	22 29	1n 3	7 57	4 34	4 8	2 23	26 17	3 51	19 47	0 30	5 21	2 23	23 33	0 27	19 24	1 36	22 16	15 32	23 0	23 9	18 40	13 25	2 1
S 8	14 45	20 33	2 16	8 17	4 31	4 35	2 30	26 19	3 50	19 48	0 29	5 23	2 22	23 33	0 27	19 24	1 36	22 17	15 32	23 1	23 9	18 42	13 26	2 1
M 9	14 27	17 24	3 19	8 40	4 26	5 2	2 38	26 21	3 49	19 48	0 29	5 25	2 22	23 33	0 27	19 24	1 36	22 17	15 33	23 1	23 9	18 43	13 27	2 1
T 10	14 8	13 21	4 10	9 5	4 19	5 30	2 45	26 23	3 48	19 49	0 29	5 27	2 22	23 33	0 27	19 24	1 36	22 18	15 33	23 1	23 9	18 45	13 28	2 1
W11	13 49	8 42	4 45	9 32	4 10	5 56	2 53	26 25	3 47	19 50	0 29	5 29	2 22	23 33	0 27	19 24	1 36	22 18	15 33	23 2	23 10	18 47	13 29	2 2
T 12	13 29	3 47	5 5	10 0	3 59	6 23	3 1	26 26	3 45	19 51	0 29	5 31	2 22	23 33	0 27	19 24	1 36	22 19	15 33	23 3	23 10	18 49	13 30	2 2
F 13	13 10	1s10	5 9	10 30	3 47	6 50	3 9	26 28	3 44	19 52	0 28	5 33	2 21	23 33	0 27	19 24	1 36	22 20	15 33	23 3	23 10	18 51	13 31	2 2
S 14	12 50	5 57	4 57	11 0	3 33	7 16	3 17	26 30	3 43	19 53	0 28	5 36	2 21	23 34	0 27	19 24	1 36	22 20	15 33	23 4	23 10	18 53	13 33	2 2
S 15	12 30	10 25	4 33	11 30	3 17	7 41	3 24	26 31	3 42	19 54	0 28	5 38	2 21	23 34	0 27	19 25	1 36	22 21	15 33	23 4	23 11	18 54	13 34	2 2
M16	12 10	14 25	3 57	11 59	3 0	8 7	3 32	26 33	3 40	19 56	0 28	5 40	2 21	23 34	0 27	19 25	1 36	22 21	15 33	23 4	23 11	18 56	13 35	2 2
T 17	11 50	17 49	3 11	12 27	2 43	8 32	3 41	26 35	3 39	19 57	0 28	5 42	2 21	23 34	0 27	19 25	1 36	22 22	15 34	23 4	23 11	18 58	13 36	2 2
W18	11 29	20 28	2 17	12 54	2 24	8 57	3 49	26 36	3 38	19 58	0 27	5 44	2 20	23 34	0 27	19 25	1 36	22 22	15 34	23 4	23 11	19 0	13 37	2 2
T 19	11 9	22 15	1 17	13 19	2 5	9 22	3 57	26 37	3 36	19 59	0 27	5 46	2 20	23 34	0 27	19 25	1 36	22 23	15 34	23 4	23 12	19 2	13 39	2 2
F 20	10 48	23 2	0 12	13 41	1 46	9 46	4 5	26 39	3 35	20 0	0 27	5 49	2 20	23 34	0 27	19 25	1 36	22 23	15 34	23 4	23 12	19 3	13 40	2 2
S 21	10 27	22 44	0s53	14 1	1 27	10 10	4 13	26 40	3 34	20 2	0 27	5 51	2 20	23 34	0 26	19 25	1 36	22 24	15 34	23 4	23 12	19 5	13 41	2 2
S 22	10 6	21 18	1 58	14 18	1 8	10 33	4 22	26 41	3 32	20 3	0 27	5 53	2 20	23 34	0 26	19 25	1 36	22 24	15 34	23 4	23 12	19 7	13 43	2 2
M23	9 44	18 44	2 58	14 31	0 50	10 56	4 30	26 42	3 31	20 4	0 26	5 56	2 20	23 34	0 26	19 25	1 36	22 25	15 34	23 5	23 13	19 9	13 44	2 2
T 24	9 23	15 10	3 50	14 41	0 32	11 18	4 38	26 43	3 30	20 6	0 26	5 58	2 19	23 34	0 26	19 25	1 36	22 25	15 34	23 5	23 13	19 11	13 45	2 2
W25	9 1	10 46	4 30	14 48	0 15	11 40	4 47	26 44	3 28	20 7	0 26	6 0	2 19	23 35	0 26	19 25	1 36	22 26	15 34	23 6	23 13	19 12	13 47	2 2
T 26	8 39	5 43	4 56	14 50	0n 1	12 2	4 55	26 44	3 27	20 8	0 26	6 3	2 19	23 35	0 26	19 25	1 37	22 27	15 34	23 7	23 13	19 14	13 48	2 2
F 27	8 17	0 19	5 5	14 49	0 16	12 23	5 3	26 45	3 25	20 10	0 26	6 5	2 19	23 35	0 26	19 25	1 37	22 27	15 34	23 7	23 13	19 16	13 50	2 2
S 28	7 55	5n10	4 55	14 44	0 30	12 43	5 12	26 45	3 24	20 11	0 26	6 7	2 19	23 35	0 26	19 25	1 37	22 28	15 34	23 8	23 14	19 18	13 51	2 2
S 29	7 33	10 24	4 28	14 36	0 43	13 3	5 20	26 46	3 23	20 13	0 25	6 10	2 19	23 35	0 26	19 25	1 37	22 28	15 34	23 9	23 14	19 19	13 52	2 2
M30	7 10	15 7	3 44	14 24	0 55	13 22	5 28	26 46	3 21	20 14	0 25	6 12	2 19	23 35	0 26	19 25	1 37	22 28	15 34	23 9	23 14	19 21	13 54	2 2
T 31	6n48	18n57	2s46	14n 8	1n 6	13s41	5s36	26s46	3s20	20s16	0n25	6s14	2n18	23s35	0s26	19n25	1s37	22s29	15s34	23n 9	23n14	19s23	13s55	2n 2

Julian Day Number = 2112087.5, Delta T = 19m23s
Ecliptic obliquity = 23°33'33, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°47'04, Lahiri = 10°54'04 Julian Calendar 1 Aug. 1070 == Greg. Calendar 7 Aug. 1070

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1070
geocentric

SEPTEMBER 1070 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 2 39	13♍44'56	21♊42	26♌50	22♎ 8	24♐59	2♐ 9	21♎29	10°R28	3°R41	9°R14	10♋24	9♋ 8	9♐16	13♏15	W 1
T 2	23 6 36	14°43'40	5♋45	28°17	22°34	25°33	2°16	21°35	10♑28	3♊41	9♓13	10°R25	9° 5	9°22	13°20	T 2
F 3	23 10 32	15°42'25	19°43	29°48	22°58	26° 6	2°23	21°41	10°27	3°41	9°12	10°25	9° 1	9°29	13°26	F 3
S 4	23 14 29	16°41'14	3♌35	1♍23	23°21	26°41	2°31	21°48	10°27	3°41	9°10	10°22	8°58	9°36	13°31	S 4
S 5	23 18 25	17°40'04	17°20	3° 1	23°41	27°15	2°38	21°54	10°26	3°41	9° 9	10°18	8°55	9°42	13°37	S 5
M 6	23 22 22	18°38'56	0♍55	4°42	24° 0	27°49	2°46	22° 0	10°26	3°41	9° 8	10°10	8°52	9°49	13°42	M 6
T 7	23 26 18	19°37'51	14°18	6°25	24°17	28°24	2°53	22° 7	10°25	3°41	9° 7	10° 0	8°49	9°56	13°48	T 7
W 8	23 30 15	20°36'47	27°27	8° 9	24°33	28°59	3° 1	22°13	10°25	3°40	9° 6	9°48	8°45	10° 2	13°54	W 8
T 9	23 34 11	21°35'46	10♎21	9°55	24°46	29°35	3° 9	22°20	10°25	3°40	9° 4	9°36	8°42	10° 9	14° 0	T 9
F 10	23 38 8	22°34'46	22°58	11°42	24°57	0♑10	3°18	22°26	10°25	3°40	9° 3	9°24	8°39	10°16	14° 6	F 10
S 11	23 42 5	23°33'49	5♏19	13°30	25° 6	0°46	3°26	22°33	10°24	3°40	9° 2	9°14	8°36	10°22	14°11	S 11
S 12	23 46 1	24°32'53	17°27	15°17	25°12	1°22	3°34	22°39	10°24	3°39	9° 1	9° 6	8°33	10°29	14°17	S 12
M13	23 49 58	25°31'59	29°24	17° 5	25°17	1°58	3°43	22°46	10°24	3°39	9° 0	9° 1	8°30	10°36	14°23	M13
T 14	23 53 54	26°31'08	11♐14	18°53	25°R19	2°35	3°52	22°53	10°D24	3°38	8°59	8°58	8°26	10°42	14°30	T 14
W15	23 57 51	27°30'18	23° 2	20°41	25°19	3°12	4° 0	22°59	10°24	3°38	8°57	8°D57	8°23	10°49	14°36	W15
T 16	0 1 47	28°29'30	4♑54	22°29	25°17	3°49	4° 9	23° 6	10°24	3°37	8°56	8°R57	8°20	10°56	14°42	T 16
F 17	0 5 44	29°28'43	16°55	24°16	25°12	4°26	4°18	23°13	10°24	3°37	8°55	8°57	8°17	11° 2	14°48	F 17
S 18	0 9 40	0♎27'59	29°10	26° 3	25° 4	5° 3	4°28	23°20	10°25	3°36	8°54	8°55	8°14	11° 9	14°55	S 18
S 19	0 13 37	1°27'16	11♒45	27°49	24°55	5°41	4°37	23°27	10°25	3°36	8°53	8°52	8°10	11°16	15° 1	S 19
M20	0 17 34	2°26'36	24°42	29°34	24°43	6°18	4°46	23°33	10°25	3°35	8°52	8°46	8° 7	11°22	15° 7	M20
T 21	0 21 30	3°25'57	8♓ 4	1♎19	24°28	6°56	4°56	23°40	10°25	3°35	8°51	8°37	8° 4	11°29	15°14	T 21
W22	0 25 27	4°25'20	21°50	3° 3	24°11	7°34	5° 5	23°47	10°26	3°34	8°50	8°26	8° 1	11°36	15°21	W22
T 23	0 29 23	5°24'45	5♈58	4°47	23°52	8°12	5°15	23°54	10°26	3°33	8°48	8°14	7°58	11°42	15°27	T 23
F 24	0 33 20	6°24'12	20°21	6°30	23°30	8°51	5°25	24° 1	10°27	3°32	8°47	8° 2	7°55	11°49	15°34	F 24
S 25	0 37 16	7°23'41	4♉55	8°12	23° 7	9°29	5°35	24° 8	10°27	3°32	8°46	7°51	7°51	11°56	15°40	S 25
S 26	0 41 13	8°23'13	19°30	9°53	22°41	10° 8	5°45	24°15	10°28	3°31	8°45	7°43	7°48	12° 2	15°47	S 26
M27	0 45 9	9°22'46	4♊ 2	11°34	22°13	10°47	5°55	24°22	10°28	3°30	8°44	7°38	7°45	12° 9	15°54	M27
T 28	0 49 6	10°22'23	18°25	13°14	21°44	11°26	6° 6	24°29	10°29	3°29	8°43	7°35	7°42	12°16	16° 1	T 28
W29	0 53 2	11°22'01	2♋37	14°54	21°13	12° 5	6°16	24°36	10°30	3°28	8°42	7°34	7°39	12°22	16° 8	W29
T 30	0 56 59	12♎21'42	16♋36	16♎33	20♎41	12♑44	6♐26	24♎43	10♑31	3♊27	8♓41	7♋34	7♋36	12♐29	16♏15	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	6n25	21n40	1s38	13n49	1n15	13s59	5s45	26s46	3s18	20s17	0n25	6s17	2n18	23s35	0s26	19n25	1s37	22s29	15s34	23n 9	23n15	19s25	13s57	2n 2	W 1
T 2	6 3	23 1	0 25	13 26	1 24	14 16	5 53	26 46	3 17	20 19	0 25	6 19	2 18	23 35	0 26	19 25	1 37	22 30	15 34	23 9	23 15	19 27	13 58	2 2	T 2
F 3	5 40	22 55	0n49	13 1	1 31	14 33	6 1	26 45	3 15	20 21	0 24	6 22	2 18	23 35	0 26	19 25	1 37	22 30	15 34	23 9	23 15	19 28	14 0	2 3	F 3
S 4	5 17	21 24	2 0	12 33	1 37	14 48	6 9	26 45	3 14	20 22	0 24	6 24	2 18	23 35	0 26	19 24	1 37	22 31	15 34	23 9	23 15	19 30	14 2	2 3	S 4
S 5	4 54	18 37	3 3	12 2	1 42	15 4	6 16	26 44	3 12	20 24	0 24	6 27	2 18	23 35	0 26	19 24	1 37	22 31	15 34	23 9	23 15	19 32	14 3	2 3	S 5
M 6	4 31	14 51	3 55	11 29	1 46	15 18	6 24	26 43	3 11	20 26	0 24	6 29	2 18	23 35	0 26	19 24	1 37	22 32	15 34	23 10	23 16	19 33	14 5	2 3	M 6
T 7	4 8	10 23	4 32	10 53	1 49	15 31	6 32	26 42	3 9	20 27	0 24	6 32	2 17	23 35	0 26	19 24	1 37	22 32	15 34	23 11	23 16	19 35	14 6	2 3	T 7
W 8	3 44	5 31	4 55	10 16	1 51	15 44	6 39	26 41	3 8	20 29	0 24	6 34	2 17	23 35	0 26	19 24	1 37	22 33	15 34	23 12	23 16	19 37	14 8	2 3	W 8
T 9	3 21	0 30	5 2	9 37	1 52	15 55	6 46	26 40	3 6	20 31	0 23	6 37	2 17	23 35	0 26	19 24	1 37	22 33	15 34	23 13	23 16	19 39	14 10	2 3	T 9
F 10	2 58	4s26	4 53	8 57	1 53	16 6	6 53	26 39	3 5	20 32	0 23	6 39	2 17	23 35	0 26	19 24	1 37	22 33	15 34	23 13	23 17	19 40	14 11	2 3	F 10
S 11	2 34	9 6	4 31	8 15	1 52	16 15	7 0	26 37	3 3	20 34	0 23	6 42	2 17	23 35	0 26	19 24	1 37	22 34	15 34	23 14	23 17	19 42	14 13	2 3	S 11
S 12	2 11	13 20	3 57	7 32	1 51	16 24	7 6	26 35	3 2	20 36	0 23	6 44	2 17	23 35	0 26	19 24	1 37	22 34	15 34	23 15	23 17	19 44	14 15	2 3	S 12
M13	1 47	16 58	3 13	6 48	1 50	16 31	7 13	26 33	3 1	20 38	0 23	6 47	2 17	23 35	0 26	19 24	1 37	22 35	15 34	23 15	23 17	19 46	14 17	2 3	M13
T 14	1 23	19 54	2 21	6 4	1 48	16 38	7 18	26 31	2 59	20 40	0 23	6 50	2 17	23 35	0 26	19 23	1 37	22 35	15 33	23 15	23 17	19 47	14 18	2 3	T 14
W15	1 0	21 59	1 23	5 19	1 45	16 43	7 24	26 29	2 58	20 41	0 22	6 52	2 17	23 35	0 26	19 23	1 38	22 35	15 33	23 15	23 18	19 49	14 20	2 3	W15
T 16	0 36	23 7	0 21	4 33	1 42	16 46	7 29	26 26	2 56	20 43	0 22	6 55	2 16	23 35	0 26	19 23	1 38	22 36	15 33	23 15	23 18	19 51	14 22	2 3	T 16
F 17	0 13	23 11	0s42	3 47	1 38	16 49	7 34	26 24	2 55	20 45	0 22	6 57	2 16	23 35	0 26	19 23	1 38	22 36	15 33	23 15	23 18	19 52	14 24	2 4	F 17
S 18	0s11	22 8	1 45	3 1	1 34	16 50	7 38	26 21	2 53	20 47	0 22	7 0	2 16	23 35	0 26	19 23	1 38	22 36	15 33	23 15	23 18	19 54	14 25	2 4	S 18
S 19	0 35	19 59	2 44	2 15	1 30	16 50	7 41	26 18	2 52	20 49	0 22	7 3	2 16	23 35	0 26	19 23	1 38	22 37	15 33	23 16	23 18	19 56	14 27	2 4	S 19
M20	0 59	16 45	3 37	1 28	1 25	16 48	7 44	26 14	2 50	20 51	0 22	7 5	2 16	23 35	0 26	19 23	1 38	22 37	15 33	23 16	23 19	19 57	14 29	2 4	M20
T 21	1 22	12 35	4 19	0 42	1 20	16 45	7 47	26 11	2 48	20 52	0 21	7 8	2 16	23 35	0 26	19 22	1 38	22 37	15 33	23 17	23 19	19 59	14 31	2 4	T 21
W22	1 46	7 39	4 48	0s 5	1 15	16 40	7 49	26 7	2 47	20 54	0 21	7 10	2 16	23 35	0 26	19 22	1 38	22 38	15 33	23 17	23 19	20 1	14 33	2 4	W22
T 23	2 10	2 13	5 0	0 51	1 9	16 34	7 50	26 3	2 45	20 56	0 21	7 13	2 16	23 35	0 26	19 22	1 38	22 38	15 32	23 18	23 19	20 3	14 34	2 4	T 23
F 24	2 33	3n28	4 53	1 37	1 3	16 26	7 50	25 59	2 44	20 58	0 21	7 16	2 16	23 35	0 26	19 22	1 38	22 38	15 32	23 19	23 19	20 4	14 36	2 4	F 24
S 25	2 57	9 1	4 28	2 23	0 57	16 17	7 50	25 55	2 42	21 0	0 21	7 18	2 16	23 35	0 26	19 22	1 38	22 38	15 32	23 20	23 20	20 6	14 38	2 4	S 25
S 26	3 21	14 5	3 45	3 9	0 51	16 6	7 49	25 51	2 41	21 2	0 21	7 21	2 16	23 35	0 26	19 22	1 38	22 39	15 32	23 20	23 20	20 8	14 40	2 4	S 26
M27	3 44	18 19	2 47	3 54	0 45	15 54	7 47	25 46	2 39	21 4	0 21	7 24	2 16	23 35	0 26	19 21	1 38	22 39	15 32	23 20	23 20	20 9	14 42	2 4	M27
T 28	4 8	21 24	1 39	4 39	0 39	15 40	7 45	25 41	2 38	21 6	0 20	7 26	2 15	23 34	0 26	19 21	1 38	22 39	15 32	23 20	23 20	20 11	14 44	2 5	T 28
W29	4 31	23 6	0 26	5 24	0 32	15 25	7 41	25 36	2 36	21 8	0 20	7 29	2 15	23 34	0 26	19 21	1 38	22 39	15 31	23 21	23 20	20 13	14 45	2 5	W29
T 30	4s55	23n19	0n48	6s 8	0n26	15s 9	7s37	25s31	2s35	21s10	0n20	7s31	2n15	23s34	0s26	19n21	1s38	22s40	15s31	23n21	23n20	20s14	14s47	2n 5	T 30

Julian Day Number = 2112118.5, Delta T = 19m23s
Ecliptic obliquity = 23°33'34, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°47'08, Lahiri = 10°54'08 Julian Calendar 1 Sept. 1070 == Greg. Calendar 7 Sept. 1070

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1070
geocentric

OCTOBER 1070 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 0 56	13♎21'26	0♌22	18♎11	20°R 7	13♏24	6♐37	24♎50	10♏31	3°R26	8°R40	7°R33	7♋32	12♐36	16♑22	F 1
S 2	1 4 52	14°21'11	13°56	19°48	19♎32	14° 3	6°48	24°57	10°32	3♊25	8♓39	7♋31	7°29	12°42	16°29	S 2
S 3	1 8 49	15°20'59	27°19	21°25	18°57	14°43	6°58	25° 5	10°33	3°24	8°38	7°26	7°26	12°49	16°36	S 3
M 4	1 12 45	16°20'49	10♍31	23° 2	18°21	15°23	7° 9	25°12	10°34	3°23	8°37	7°17	7°23	12°56	16°43	M 4
T 5	1 16 42	17°20'42	23°31	24°38	17°44	16° 3	7°20	25°19	10°35	3°22	8°37	7° 6	7°20	13° 2	16°50	T 5
W 6	1 20 38	18°20'36	6♎20	26°13	17° 8	16°43	7°31	25°26	10°36	3°21	8°36	6°53	7°16	13° 9	16°57	W 6
T 7	1 24 35	19°20'32	18°57	27°48	16°31	17°23	7°42	25°33	10°38	3°20	8°35	6°40	7°13	13°16	17° 4	T 7
F 8	1 28 31	20°20'31	1♏22	29°22	15°55	18° 4	7°54	25°40	10°39	3°19	8°34	6°26	7°10	13°22	17°11	F 8
S 9	1 32 28	21°20'31	13°34	0♏56	15°20	18°44	8° 5	25°47	10°40	3°18	8°33	6°15	7° 7	13°29	17°19	S 9
S 10	1 36 25	22°20'33	25°36	2°29	14°46	19°25	8°16	25°55	10°41	3°17	8°32	6° 6	7° 4	13°35	17°26	S 10
M11	1 40 21	23°20'37	7♐29	4° 2	14°12	20° 5	8°28	26° 2	10°43	3°16	8°31	5°59	7° 1	13°42	17°33	M11
T 12	1 44 18	24°20'43	19°17	5°34	13°40	20°46	8°39	26° 9	10°44	3°14	8°31	5°56	6°57	13°49	17°41	T 12
W13	1 48 14	25°20'50	1♑ 3	7° 6	13° 9	21°27	8°51	26°16	10°45	3°13	8°30	5°D54	6°54	13°55	17°48	W13
T 14	1 52 11	26°20'59	12°53	8°38	12°40	22° 8	9° 3	26°23	10°47	3°12	8°29	5°54	6°51	14° 2	17°55	T 14
F 15	1 56 7	27°21'10	24°51	10° 9	12°13	22°49	9°14	26°31	10°48	3°10	8°28	5°R55	6°48	14° 9	18° 3	F 15
S 16	2 0 4	28°21'22	7♒ 4	11°39	11°48	23°31	9°26	26°38	10°50	3° 9	8°28	5°54	6°45	14°15	18°10	S 16
S 17	2 4 0	29°21'36	19°36	13° 9	11°25	24°12	9°38	26°45	10°52	3° 8	8°27	5°52	6°42	14°22	18°18	S 17
M18	2 7 57	0♏21'52	2♓33	14°39	11° 4	24°53	9°50	26°52	10°53	3° 6	8°26	5°48	6°38	14°29	18°25	M18
T 19	2 11 54	1°22'08	15°57	16° 8	10°46	25°35	10° 2	26°59	10°55	3° 5	8°26	5°41	6°35	14°35	18°33	T 19
W20	2 15 50	2°22'27	29°49	17°37	10°29	26°16	10°14	27° 6	10°57	3° 4	8°25	5°32	6°32	14°42	18°40	W20
T 21	2 19 47	3°22'47	14♈ 8	19° 5	10°16	26°58	10°27	27°14	10°59	3° 2	8°24	5°22	6°29	14°49	18°48	T 21
F 22	2 23 43	4°23'08	28°49	20°33	10° 4	27°40	10°39	27°21	11° 0	3° 1	8°24	5°12	6°26	14°55	18°55	F 22
S 23	2 27 40	5°23'32	13♉45	22° 1	9°55	28°22	10°51	27°28	11° 2	2°59	8°23	5° 4	6°22	15° 2	19° 3	S 23
S 24	2 31 36	6°23'57	28°45	23°27	9°49	29° 3	11° 4	27°35	11° 4	2°58	8°23	4°57	6°19	15° 9	19°11	S 24
M25	2 35 33	7°24'24	13♊41	24°53	9°45	29°45	11°16	27°42	11° 6	2°56	8°22	4°52	6°16	15°15	19°18	M25
T 26	2 39 29	8°24'53	28°26	26°19	9°D44	0♒27	11°29	27°49	11° 8	2°55	8°21	4°D51	6°13	15°22	19°26	T 26
W27	2 43 26	9°25'24	12♋54	27°44	9°45	1°10	11°41	27°56	11°10	2°53	8°21	4°51	6°10	15°29	19°34	W27
T 28	2 47 23	10°25'56	27° 2	29° 8	9°48	1°52	11°54	28° 3	11°12	2°52	8°21	4°52	6° 7	15°35	19°41	T 28
F 29	2 51 19	11°26'31	10♌50	0♐31	9°54	2°34	12° 6	28°11	11°15	2°50	8°20	4°R52	6° 3	15°42	19°49	F 29
S 30	2 55 16	12°27'07	24°19	1°53	10° 2	3°16	12°19	28°18	11°17	2°49	8°20	4°51	6° 0	15°49	19°57	S 30
S 31	2 59 12	13♏27'45	7♍31	3♐14	10♎12	3♒59	12♐32	28♎25	11♏19	2♊47	8♓19	4♋49	5♋57	15♐55	20♑ 4	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	5s18	22n 5	1n57	6s52	0n19	14s51	7s31	25s25	2s33	21s12	0n20	7s34	2n15	23s34	0s26	19n21	1s38	22s40	15s31	23n21	23n21	20s16	14s49	2n 5	F 1
S 2	5 41	19 35	3 0	7 36	0 12	14 32	7 25	25 20	2 32	21 14	0 20	7 37	2 15	23 34	0 26	19 20	1 38	22 40	15 31	23 21	23 21	20 17	14 51	2 5	S 2
S 3	6 4	16 4	3 51	8 18	0 6	14 12	7 18	25 14	2 30	21 16	0 20	7 39	2 15	23 34	0 26	19 20	1 38	22 40	15 31	23 21	23 21	20 19	14 53	2 5	S 3
M 4	6 28	11 48	4 29	9 1	0s 1	13 51	7 10	25 8	2 29	21 18	0 20	7 42	2 15	23 34	0 26	19 20	1 38	22 40	15 31	23 21	23 21	20 21	14 55	2 5	M 4
T 5	6 51	7 3	4 52	9 42	0 8	13 28	7 2	25 2	2 27	21 20	0 19	7 45	2 15	23 34	0 26	19 20	1 38	22 41	15 30	23 22	23 21	20 22	14 57	2 5	T 5
W 6	7 14	2 4	5 0	10 24	0 15	13 6	6 52	24 55	2 26	21 21	0 19	7 47	2 15	23 34	0 26	19 19	1 38	22 41	15 30	23 23	23 22	20 24	14 59	2 5	W 6
T 7	7 36	2s56	4 54	11 4	0 21	12 42	6 42	24 48	2 24	21 23	0 19	7 50	2 15	23 34	0 26	19 19	1 38	22 41	15 30	23 23	23 22	20 26	15 1	2 6	T 7
F 8	7 59	7 44	4 33	11 44	0 28	12 18	6 31	24 41	2 23	21 25	0 19	7 53	2 15	23 34	0 26	19 19	1 38	22 41	15 30	23 24	23 22	20 27	15 2	2 6	F 8
S 9	8 22	12 10	4 0	12 24	0 35	11 53	6 19	24 34	2 21	21 27	0 19	7 55	2 15	23 33	0 26	19 19	1 38	22 41	15 29	23 25	23 22	20 29	15 4	2 6	S 9
S 10	8 44	16 4	3 17	13 2	0 41	11 29	6 7	24 27	2 20	21 29	0 19	7 58	2 15	23 33	0 26	19 18	1 38	22 41	15 29	23 25	23 22	20 30	15 6	2 6	S 10
M11	9 7	19 17	2 25	13 41	0 48	11 4	5 54	24 19	2 18	21 31	0 19	8 0	2 15	23 33	0 26	19 18	1 39	22 41	15 29	23 25	23 22	20 32	15 8	2 6	M11
T 12	9 29	21 40	1 27	14 18	0 54	10 39	5 41	24 12	2 17	21 33	0 18	8 3	2 15	23 33	0 26	19 18	1 39	22 41	15 29	23 26	23 23	20 34	15 10	2 6	T 12
W13	9 51	23 7	0 26	14 55	1 1	10 14	5 27	24 4	2 15	21 35	0 18	8 6	2 15	23 33	0 26	19 18	1 39	22 42	15 29	23 26	23 23	20 35	15 12	2 6	W13
T 14	10 13	23 33	0s37	15 30	1 7	9 50	5 13	23 56	2 14	21 37	0 18	8 8	2 15	23 33	0 26	19 17	1 39	22 42	15 28	23 26	23 23	20 37	15 14	2 7	T 14
F 15	10 35	22 54	1 39	16 5	1 13	9 26	4 59	23 47	2 12	21 39	0 18	8 11	2 15	23 33	0 26	19 17	1 39	22 42	15 28	23 26	23 23	20 38	15 16	2 7	F 15
S 16	10 57	21 9	2 38	16 40	1 19	9 2	4 44	23 39	2 11	21 41	0 18	8 13	2 15	23 33	0 26	19 17	1 39	22 42	15 28	23 26	23 23	20 40	15 18	2 7	S 16
S 17	11 18	18 21	3 31	17 13	1 25	8 40	4 29	23 30	2 9	21 43	0 18	8 16	2 15	23 32	0 26	19 16	1 39	22 42	15 28	23 26	23 23	20 42	15 20	2 7	S 17
M18	11 39	14 35	4 15	17 46	1 31	8 18	4 14	23 21	2 8	21 45	0 18	8 19	2 15	23 32	0 26	19 16	1 39	22 42	15 27	23 26	23 24	20 43	15 22	2 7	M18
T 19	12 1	9 58	4 46	18 18	1 37	7 56	3 59	23 12	2 6	21 47	0 18	8 21	2 15	23 32	0 26	19 16	1 39	22 42	15 27	23 26	23 24	20 45	15 24	2 7	T 19
W20	12 21	4 42	5 3	18 48	1 42	7 36	3 44	23 2	2 5	21 49	0 17	8 24	2 15	23 32	0 26	19 16	1 39	22 42	15 27	23 27	23 24	20 46	15 26	2 7	W20
T 21	12 42	0n59	5 1	19 18	1 48	7 17	3 29	22 53	2 3	21 50	0 17	8 26	2 15	23 32	0 26	19 15	1 39	22 42	15 26	23 27	23 24	20 48	15 27	2 8	T 21
F 22	13 3	6 46	4 39	19 47	1 53	6 59	3 14	22 43	2 2	21 52	0 17	8 29	2 15	23 32	0 26	19 15	1 39	22 42	15 26	23 27	23 24	20 49	15 29	2 8	F 22
S 23	13 23	12 15	3 58	20 15	1 58	6 42	2 59	22 33	2 0	21 54	0 17	8 31	2 15	23 31	0 26	19 15	1 39	22 42	15 26	23 28	23 24	20 51	15 31	2 8	S 23
S 24	13 43	17 3	3 1	20 42	2 2	6 25	2 44	22 23	1 59	21 56	0 17	8 34	2 15	23 31	0 26	19 14	1 39	22 42	15 26	23 28	23 24	20 53	15 33	2 8	S 24
M25	14 3	20 43	1 51	21 8	2 7	6 11	2 30	22 13	1 57	21 58	0 17	8 37	2 15	23 31	0 26	19 14	1 39	22 42	15 25	23 28	23 25	20 54	15 35	2 8	M25
T 26	14 23	22 59	0 34	21 33	2 11	5 57	2 16	22 2	1 56	22 0	0 17	8 39	2 15	23 31	0 26	19 14	1 39	22 42	15 25	23 28	23 25	20 56	15 37	2 8	T 26
W27	14 42	23 39	0n43	21 56	2 15	5 44	2 2	21 51	1 54	22 2	0 17	8 42	2 15	23 31	0 26	19 13	1 39	22 42	15 25	23 28	23 25	20 57	15 39	2 9	W27
T 28	15 1	22 45	1 56	22 19	2 18	5 33	1 48	21 41	1 53	22 3	0 16	8 44	2 15	23 30	0 26	19 13	1 39	22 41	15 24	23 28	23 25	20 59	15 41	2 9	T 28
F 29	15 20	20 30	3 1	22 40	2 21	5 23	1 34	21 29	1 51	22 5	0 16	8 47	2 15	23 30	0 26	19 13	1 39	22 41	15 24	23 28	23 25	21 0	15 43	2 9	F 29
S 30	15 39	17 9	3 54	23 0	2 24	5 14	1 21	21 18	1 50	22 7	0 16	8 49	2 15	23 30	0 26	19 13	1 39	22 41	15 24	23 28	23 25	21 2	15 44	2 9	S 30
S 31	15s58	13n 1	4n33	23s18	2s26	5s 7	1s 8	21s 7	1s48	22s 9	0n16	8s52	2n15	23s30	0s26	19n12	1s39	22s41	15s24	23n28	23n25	21s 3	15s46	2n 9	S 31

Julian Day Number = 2112148.5, Delta T = 19m22s
Ecliptic obliquity = 23°33'34, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°47'12, Lahiri = 10°54'12 Julian Calendar 1 Oct. 1070 == Greg. Calendar 7 Oct. 1070

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1070
geocentric

NOVEMBER 1070 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 3 9	14♏28'25	20♍27	4♐34	10♎25	4♒41	12♐45	28♎32	11♑21	2°R46	8°R19	4°R44	5♋54	16♐ 2	20♏12	M 1
T 2	3 7 5	15°29'06	3♎ 9	5°53	10°40	5°23	12°58	28°39	11°24	2♊44	8♓19	4♋36	5°51	16° 9	20°20	T 2
W 3	3 11 2	16°29'49	15°39	7°10	10°57	6° 6	13°11	28°46	11°26	2°42	8°18	4°28	5°47	16°15	20°27	W 3
T 4	3 14 58	17°30'34	27°59	8°25	11°16	6°48	13°24	28°53	11°28	2°41	8°18	4°18	5°44	16°22	20°35	T 4
F 5	3 18 55	18°31'20	10♏10	9°38	11°36	7°31	13°37	28°59	11°31	2°39	8°18	4° 9	5°41	16°29	20°43	F 5
S 6	3 22 52	19°32'08	22°11	10°49	11°59	8°14	13°50	29° 6	11°33	2°37	8°17	4° 1	5°38	16°35	20°51	S 6
S 7	3 26 48	20°32'57	4♐ 6	11°58	12°24	8°56	14° 3	29°13	11°36	2°36	8°17	3°55	5°35	16°42	20°58	S 7
M 8	3 30 45	21°33'47	15°56	13° 3	12°50	9°39	14°16	29°20	11°38	2°34	8°17	3°51	5°32	16°48	21° 6	M 8
T 9	3 34 41	22°34'39	27°42	14° 5	13°18	10°22	14°30	29°27	11°41	2°32	8°17	3°49	5°28	16°55	21°14	T 9
W10	3 38 38	23°35'31	9♑28	15° 3	13°48	11° 5	14°43	29°34	11°44	2°31	8°16	3°D49	5°25	17° 2	21°22	W10
T 11	3 42 34	24°36'25	21°18	15°57	14°19	11°48	14°56	29°41	11°46	2°29	8°16	3°50	5°22	17° 8	21°29	T 11
F 12	3 46 31	25°37'19	3♒16	16°46	14°52	12°31	15° 9	29°47	11°49	2°27	8°16	3°52	5°19	17°15	21°37	F 12
S 13	3 50 27	26°38'15	15°27	17°28	15°26	13°14	15°23	29°54	11°52	2°26	8°16	3°54	5°16	17°22	21°45	S 13
S 14	3 54 24	27°39'11	27°55	18° 5	16° 1	13°57	15°36	0♏ 1	11°54	2°24	8°16	3°R54	5°13	17°28	21°52	S 14
M15	3 58 21	28°40'08	10♓45	18°34	16°38	14°40	15°50	0° 7	11°57	2°22	8°16	3°53	5° 9	17°35	22° 0	M15
T 16	4 2 17	29°41'05	24° 2	18°55	17°17	15°23	16° 3	0°14	12° 0	2°21	8°16	3°51	5° 6	17°42	22° 8	T 16
W17	4 6 14	0♐42'04	7♈48	19° 6	17°56	16° 6	16°17	0°20	12° 3	2°19	8°D16	3°47	5° 3	17°48	22°15	W17
T 18	4 10 10	1°43'03	22° 3	19°R 8	18°37	16°49	16°30	0°27	12° 6	2°17	8°16	3°43	5° 0	17°55	22°23	T 18
F 19	4 14 7	2°44'02	6♉43	19° 0	19°19	17°32	16°44	0°33	12° 9	2°16	8°16	3°38	4°57	18° 2	22°31	F 19
S 20	4 18 3	3°45'03	21°44	18°40	20° 2	18°15	16°57	0°40	12°12	2°14	8°16	3°33	4°53	18° 8	22°38	S 20
S 21	4 22 0	4°46'05	6♊57	18° 9	20°46	18°59	17°11	0°46	12°15	2°12	8°16	3°30	4°50	18°15	22°46	S 21
M22	4 25 56	5°47'07	22°11	17°27	21°31	19°42	17°25	0°52	12°18	2°10	8°16	3°28	4°47	18°22	22°53	M22
T 23	4 29 53	6°48'10	7♋16	16°34	22°17	20°25	17°38	0°59	12°21	2° 9	8°16	3°D28	4°44	18°28	23° 1	T 23
W24	4 33 50	7°49'15	22° 4	15°30	23° 4	21° 8	17°52	1° 5	12°24	2° 7	8°17	3°29	4°41	18°35	23° 8	W24
T 25	4 37 46	8°50'20	6♌31	14°19	23°53	21°52	18° 6	1°11	12°27	2° 5	8°17	3°30	4°38	18°42	23°16	T 25
F 26	4 41 43	9°51'26	20°32	13° 1	24°42	22°35	18°19	1°17	12°30	2° 4	8°17	3°32	4°34	18°48	23°24	F 26
S 27	4 45 39	10°52'33	4♍ 8	11°39	25°31	23°18	18°33	1°24	12°33	2° 2	8°17	3°33	4°31	18°55	23°31	S 27
S 28	4 49 36	11°53'41	17°20	10°16	26°22	24° 1	18°47	1°30	12°36	2° 0	8°18	3°R33	4°28	19° 2	23°38	S 28
M29	4 53 32	12°54'49	0♎11	8°55	27°14	24°45	19° 1	1°36	12°39	1°59	8°18	3°32	4°25	19° 8	23°46	M29
T 30	4 57 29	13♐55'59	12♎44	7♐38	28♎ 6	25♒28	19♐14	1♏42	12♑42	1♊57	8♓18	3♋30	4♋22	19♐15	23♏53	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	16s16	8n22	4n58	23s35	2s28	5s 0	0s56	20s55	1s47	22s11	0n16	8s54	2n15	23s30	0s26	19n12	1s39	22s41	15s23	23n28	23n26	21s 5	15s48	2n10	M 1
T 2	16 34	3 26	5 7	23 51	2 30	4 55	0 44	20 43	1 45	22 12	0 16	8 56	2 15	23 29	0 25	19 12	1 39	22 41	15 23	23 29	23 26	21 6	15 50	2 10	T 2
W 3	16 51	1s33	5 1	24 6	2 31	4 50	0 32	20 31	1 44	22 14	0 16	8 59	2 15	23 29	0 25	19 11	1 39	22 41	15 23	23 29	23 26	21 8	15 52	2 10	W 3
T 4	17 8	6 25	4 42	24 19	2 31	4 47	0 20	20 19	1 43	22 16	0 16	9 1	2 15	23 29	0 25	19 11	1 39	22 40	15 22	23 29	23 26	21 9	15 54	2 10	T 4
F 5	17 26	10 59	4 9	24 30	2 31	4 45	0 9	20 7	1 41	22 18	0 15	9 4	2 15	23 29	0 25	19 11	1 39	22 40	15 22	23 30	23 26	21 11	15 56	2 10	F 5
S 6	17 42	15 5	3 26	24 40	2 30	4 44	0n 2	19 54	1 40	22 19	0 15	9 6	2 15	23 29	0 25	19 10	1 39	22 40	15 22	23 30	23 26	21 12	15 57	2 11	S 6
S 7	17 59	18 33	2 34	24 48	2 29	4 44	0 12	19 42	1 38	22 21	0 15	9 8	2 16	23 28	0 25	19 10	1 39	22 40	15 21	23 30	23 26	21 14	15 59	2 11	S 7
M 8	18 15	21 14	1 36	24 54	2 27	4 45	0 22	19 29	1 37	22 23	0 15	9 11	2 16	23 28	0 25	19 10	1 39	22 40	15 21	23 30	23 27	21 15	16 1	2 11	M 8
T 9	18 30	22 59	0 33	24 59	2 24	4 47	0 32	19 16	1 36	22 24	0 15	9 13	2 16	23 28	0 25	19 9	1 39	22 40	15 21	23 30	23 27	21 17	16 3	2 11	T 9
W10	18 46	23 44	0s31	25 2	2 20	4 50	0 42	19 2	1 34	22 26	0 15	9 15	2 16	23 28	0 25	19 9	1 39	22 39	15 20	23 30	23 27	21 18	16 5	2 11	W10
T 11	19 1	23 25	1 34	25 3	2 15	4 53	0 51	18 49	1 33	22 28	0 15	9 18	2 16	23 27	0 25	19 9	1 39	22 39	15 20	23 30	23 27	21 20	16 6	2 12	T 11
F 12	19 16	22 1	2 34	25 2	2 9	4 58	1 0	18 36	1 31	22 29	0 15	9 20	2 16	23 27	0 25	19 8	1 39	22 39	15 20	23 30	23 27	21 21	16 8	2 12	F 12
S 13	19 30	19 35	3 28	24 59	2 2	5 4	1 8	18 22	1 30	22 31	0 15	9 22	2 16	23 27	0 25	19 8	1 39	22 39	15 19	23 30	23 27	21 23	16 10	2 12	S 13
S 14	19 44	16 13	4 13	24 54	1 53	5 10	1 16	18 8	1 29	22 32	0 14	9 25	2 16	23 27	0 25	19 8	1 39	22 38	15 19	23 30	23 27	21 24	16 12	2 12	S 14
M15	19 58	12 0	4 48	24 47	1 44	5 17	1 24	17 54	1 27	22 34	0 14	9 27	2 16	23 26	0 25	19 7	1 39	22 38	15 19	23 30	23 28	21 26	16 13	2 13	M15
T 16	20 11	7 5	5 8	24 38	1 33	5 25	1 32	17 40	1 26	22 35	0 14	9 29	2 16	23 26	0 25	19 7	1 39	22 38	15 18	23 30	23 28	21 27	16 15	2 13	T 16
W17	20 24	1 40	5 12	24 27	1 20	5 33	1 39	17 26	1 24	22 37	0 14	9 31	2 16	23 26	0 25	19 7	1 39	22 37	15 18	23 30	23 28	21 28	16 17	2 13	W17
T 18	20 37	4n 2	4 57	24 13	1 7	5 42	1 46	17 12	1 23	22 38	0 14	9 33	2 16	23 26	0 25	19 6	1 39	22 37	15 18	23 30	23 28	21 30	16 19	2 13	T 18
F 19	20 49	9 42	4 22	23 57	0 51	5 52	1 52	16 57	1 22	22 40	0 14	9 36	2 17	23 25	0 25	19 6	1 39	22 37	15 17	23 31	23 28	21 31	16 20	2 14	F 19
S 20	21 0	14 55	3 29	23 39	0 35	6 2	1 58	16 42	1 20	22 41	0 14	9 38	2 17	23 25	0 25	19 6	1 39	22 36	15 17	23 31	23 28	21 33	16 22	2 14	S 20
S 21	21 12	19 16	2 21	23 19	0 17	6 14	2 4	16 28	1 19	22 43	0 14	9 40	2 17	23 25	0 25	19 5	1 39	22 36	15 17	23 31	23 28	21 34	16 24	2 14	S 21
M22	21 23	22 18	1 2	22 56	0n 2	6 25	2 10	16 13	1 18	22 44	0 14	9 42	2 17	23 24	0 25	19 5	1 39	22 36	15 16	23 31	23 28	21 36	16 25	2 14	M22
T 23	21 33	23 42	0n21	22 31	0 22	6 37	2 16	15 58	1 16	22 45	0 14	9 44	2 17	23 24	0 25	19 5	1 39	22 35	15 16	23 31	23 28	21 37	16 27	2 15	T 23
W24	21 43	23 24	1 41	22 4	0 42	6 50	2 21	15 42	1 15	22 47	0 13	9 46	2 17	23 24	0 25	19 4	1 39	22 35	15 16	23 31	23 29	21 38	16 29	2 15	W24
T 25	21 53	21 31	2 52	21 36	1 2	7 3	2 26	15 27	1 14	22 48	0 13	9 48	2 17	23 24	0 25	19 4	1 39	22 35	15 15	23 31	23 29	21 40	16 30	2 15	T 25
F 26	22 2	18 22	3 51	21 7	1 22	7 17	2 30	15 12	1 12	22 49	0 13	9 50	2 17	23 23	0 25	19 4	1 39	22 34	15 15	23 31	23 29	21 41	16 32	2 15	F 26
S 27	22 11	14 19	4 35	20 38	1 41	7 31	2 35	14 56	1 11	22 51	0 13	9 52	2 17	23 23	0 25	19 3	1 39	22 34	15 15	23 31	23 29	21 43	16 33	2 16	S 27
S 28	22 20	9 41	5 3	20 9	1 59	7 45	2 39	14 41	1 10	22 52	0 13	9 54	2 18	23 23	0 25	19 3	1 39	22 33	15 14	23 31	23 29	21 44	16 35	2 16	S 28
M29	22 28	4 44	5 15	19 41	2 14	8 0	2 43	14 25	1 8	22 53	0 13	9 56	2 18	23 22	0 25	19 3	1 39	22 33	15 14	23 31	23 29	21 45	16 37	2 16	M29
T 30	22s35	0s16	5n12	19s16	2n28	8s15	2n47	14s 9	1s 7	22s54	0n13	9s58	2n18	23s22	0s25	19n 2	1s39	22s33	15s14	23n31	23n29	21s47	16s38	2n16	T 30

Julian Day Number = 2112179.5, Delta T = 19m22s
Ecliptic obliquity = 23°33'34, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°47'16, Lahiri = 10°54'17 Julian Calendar 1 Nov. 1070 == Greg. Calendar 7 Nov. 1070

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1070
geocentric

DECEMBER 1070 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 1 25	14♐57'09	25♎ 3	6°R28	28♎59	26♒11	19♐28	1♏47	12♑46	1°R55	8♓19	3°R27	4♋19	19♐21	24♏ 1	W 1
T 2	5 5 22	15°58'20	7♏10	5♐26	29°52	26°55	19°42	1°53	12°49	1♊54	8°19	3♋24	4°15	19°28	24° 8	T 2
F 3	5 9 19	16°59'31	19° 9	4°34	0♏47	27°38	19°56	1°59	12°52	1°52	8°19	3°21	4°12	19°35	24°15	F 3
S 4	5 13 15	18° 0'43	1♐ 2	3°53	1°42	28°21	20°10	2° 5	12°55	1°50	8°20	3°19	4° 9	19°41	24°23	S 4
S 5	5 17 12	19° 1'56	12°52	3°22	2°37	29° 5	20°23	2°10	12°59	1°49	8°20	3°17	4° 6	19°48	24°30	S 5
M 6	5 21 8	20° 3'09	24°39	3° 2	3°33	29°48	20°37	2°16	13° 2	1°47	8°21	3°16	4° 3	19°55	24°37	M 6
T 7	5 25 5	21° 4'22	6♑27	2°D53	4°30	0♓32	20°51	2°22	13° 5	1°46	8°21	3°D16	3°59	20° 1	24°44	T 7
W 8	5 29 1	22° 5'35	18°17	2°53	5°27	1°15	21° 5	2°27	13° 9	1°44	8°22	3°17	3°56	20° 8	24°51	W 8
T 9	5 32 58	23° 6'49	0♒12	3° 2	6°25	1°58	21°19	2°33	13°12	1°42	8°22	3°17	3°53	20°15	24°58	T 9
F 10	5 36 54	24° 8'02	12°15	3°20	7°24	2°42	21°33	2°38	13°16	1°41	8°23	3°18	3°50	20°21	25° 6	F 10
S 11	5 40 51	25° 9'15	24°30	3°45	8°23	3°25	21°46	2°43	13°19	1°39	8°23	3°19	3°47	20°28	25°13	S 11
S 12	5 44 48	26°10'28	6♓59	4°17	9°22	4° 9	22° 0	2°48	13°22	1°38	8°24	3°20	3°44	20°35	25°20	S 12
M13	5 48 44	27°11'41	19°46	4°55	10°22	4°52	22°14	2°54	13°26	1°36	8°25	3°20	3°40	20°41	25°26	M13
T 14	5 52 41	28°12'54	2♈55	5°38	11°22	5°35	22°28	2°59	13°29	1°35	8°25	3°R21	3°37	20°48	25°33	T 14
W15	5 56 37	29°14'06	16°29	6°27	12°22	6°19	22°42	3° 4	13°33	1°33	8°26	3°20	3°34	20°55	25°40	W15
T 16	6 0 34	0♑15'17	0♉29	7°20	13°23	7° 2	22°55	3° 9	13°36	1°32	8°27	3°20	3°31	21° 1	25°47	T 16
F 17	6 4 30	1°16'29	14°55	8°16	14°25	7°46	23° 9	3°14	13°40	1°30	8°27	3°20	3°28	21° 8	25°54	F 17
S 18	6 8 27	2°17'40	29°43	9°16	15°27	8°29	23°23	3°18	13°43	1°29	8°28	3°20	3°25	21°15	26° 0	S 18
S 19	6 12 24	3°18'50	14♊47	10°20	16°29	9°12	23°37	3°23	13°47	1°28	8°29	3°D20	3°21	21°21	26° 7	S 19
M20	6 16 20	4°20'01	0♋ 0	11°26	17°31	9°56	23°50	3°28	13°50	1°26	8°30	3°R20	3°18	21°28	26°14	M20
T 21	6 20 17	5°21'11	15°11	12°34	18°34	10°39	24° 4	3°32	13°54	1°25	8°30	3°20	3°15	21°34	26°20	T 21
W22	6 24 13	6°22'21	0♌12	13°45	19°38	11°22	24°18	3°37	13°57	1°24	8°31	3°19	3°12	21°41	26°27	W22
T 23	6 28 10	7°23'30	14°53	14°57	20°41	12° 6	24°31	3°41	14° 1	1°22	8°32	3°19	3° 9	21°48	26°33	T 23
F 24	6 32 6	8°24'40	29° 9	16°12	21°45	12°49	24°45	3°46	14° 4	1°21	8°33	3°18	3° 5	21°54	26°40	F 24
S 25	6 36 3	9°25'49	12♍58	17°28	22°49	13°32	24°59	3°50	14° 8	1°20	8°34	3°18	3° 2	22° 1	26°46	S 25
S 26	6 39 59	10°26'57	26°20	18°46	23°54	14°15	25°12	3°54	14°11	1°18	8°35	3°17	2°59	22° 8	26°52	S 26
M27	6 43 56	11°28'06	9♎15	20° 4	24°59	14°59	25°26	3°58	14°15	1°17	8°36	3°D17	2°56	22°14	26°59	M27
T 28	6 47 53	12°29'14	21°49	21°25	26° 4	15°42	25°39	4° 2	14°18	1°16	8°37	3°17	2°53	22°21	27° 5	T 28
W29	6 51 49	13°30'22	4♏ 5	22°46	27° 9	16°25	25°53	4° 6	14°22	1°15	8°38	3°18	2°50	22°28	27°11	W29
T 30	6 55 46	14°31'30	16° 7	24° 8	28°15	17° 8	26° 7	4°10	14°26	1°14	8°39	3°19	2°46	22°34	27°17	T 30
F 31	6 59 42	15♑32'37	28♏ 0	25♐32	29♏20	17♓51	26♐20	4♏14	14♑29	1♊12	8♓40	3♋20	2♋43	22♐41	27♏23	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s42	5s11	4n54	18s53	2n39	8s31	2n50	13s53	1s 6	22s56	0n13	10s 0	2n18	23s22	0s25	19n 2	1s39	22s32	15s13	23n31	23n29	21s48	16s40	2n17
T 2	22 49	9 50	4 23	18 34	2 48	8 47	2 53	13 37	1 5	22 57	0 13	10 2	2 18	23 21	0 25	19 2	1 39	22 32	15 13	23 31	23 29	21 50	16 41	2 17
F 3	22 55	14 4	3 41	18 18	2 54	9 3	2 56	13 21	1 3	22 58	0 13	10 4	2 18	23 21	0 25	19 2	1 39	22 31	15 13	23 31	23 30	21 51	16 43	2 17
S 4	23 1	17 43	2 49	18 6	2 59	9 19	2 59	13 4	1 2	22 59	0 12	10 6	2 18	23 21	0 25	19 1	1 39	22 31	15 12	23 31	23 30	21 52	16 44	2 18
S 5	23 6	20 37	1 51	17 58	3 1	9 36	3 1	12 48	1 1	23 0	0 12	10 7	2 19	23 21	0 25	19 1	1 39	22 30	15 12	23 31	23 30	21 54	16 46	2 18
M 6	23 11	22 39	0 48	17 54	3 1	9 53	3 4	12 32	0 59	23 1	0 12	10 9	2 19	23 20	0 25	19 1	1 39	22 30	15 12	23 31	23 30	21 55	16 47	2 18
T 7	23 15	23 42	0s18	17 54	3 0	10 10	3 6	12 15	0 58	23 2	0 12	10 11	2 19	23 20	0 25	19 0	1 39	22 29	15 11	23 31	23 30	21 56	16 48	2 19
W 8	23 19	23 40	1 22	17 56	2 57	10 27	3 8	11 58	0 57	23 3	0 12	10 13	2 19	23 20	0 25	19 0	1 39	22 29	15 11	23 31	23 30	21 58	16 50	2 19
T 9	23 23	22 33	2 24	18 2	2 54	10 45	3 10	11 42	0 56	23 4	0 12	10 14	2 19	23 19	0 25	19 0	1 39	22 28	15 11	23 31	23 30	21 59	16 51	2 19
F 10	23 26	20 24	3 20	18 10	2 49	11 2	3 11	11 25	0 55	23 5	0 12	10 16	2 19	23 19	0 25	18 59	1 39	22 28	15 11	23 31	23 30	22 0	16 53	2 19
S 11	23 28	17 19	4 8	18 20	2 43	11 20	3 12	11 8	0 53	23 6	0 12	10 18	2 19	23 19	0 25	18 59	1 39	22 27	15 10	23 31	23 30	22 2	16 54	2 20
S 12	23 30	13 24	4 45	18 33	2 36	11 38	3 14	10 51	0 52	23 7	0 12	10 19	2 20	23 18	0 25	18 59	1 39	22 27	15 10	23 31	23 30	22 3	16 55	2 20
M13	23 32	8 48	5 9	18 46	2 29	11 55	3 15	10 34	0 51	23 8	0 12	10 21	2 20	23 18	0 25	18 59	1 39	22 26	15 10	23 31	23 30	22 4	16 57	2 20
T 14	23 33	3 42	5 18	19 1	2 22	12 13	3 15	10 17	0 50	23 9	0 11	10 22	2 20	23 17	0 25	18 58	1 39	22 26	15 9	23 31	23 31	22 6	16 58	2 21
W15	23 33	1n45	5 10	19 18	2 14	12 31	3 16	9 59	0 49	23 10	0 11	10 24	2 20	23 17	0 25	18 58	1 38	22 25	15 9	23 31	23 31	22 7	16 59	2 21
T 16	23 34	7 17	4 43	19 34	2 6	12 49	3 16	9 42	0 47	23 11	0 11	10 26	2 20	23 17	0 25	18 58	1 38	22 25	15 9	23 31	23 31	22 8	17 1	2 21
F 17	23 33	12 36	3 58	19 52	1 58	13 7	3 17	9 25	0 46	23 12	0 11	10 27	2 20	23 16	0 25	18 58	1 38	22 24	15 8	23 31	23 31	22 10	17 2	2 22
S 18	23 32	17 19	2 56	20 9	1 49	13 25	3 17	9 8	0 45	23 12	0 11	10 29	2 21	23 16	0 25	18 57	1 38	22 23	15 8	23 31	23 31	22 11	17 3	2 22
S 19	23 31	21 0	1 41	20 27	1 40	13 42	3 17	8 50	0 44	23 13	0 11	10 30	2 21	23 16	0 25	18 57	1 38	22 23	15 8	23 31	23 31	22 12	17 4	2 23
M20	23 29	23 15	0 19	20 45	1 32	14 0	3 17	8 33	0 43	23 14	0 11	10 31	2 21	23 15	0 25	18 57	1 38	22 22	15 7	23 31	23 31	22 14	17 5	2 23
T 21	23 27	23 47	1n 6	21 3	1 23	14 18	3 16	8 15	0 42	23 15	0 11	10 33	2 21	23 15	0 25	18 57	1 38	22 22	15 7	23 31	23 31	22 15	17 7	2 23
W22	23 24	22 33	2 24	21 20	1 14	14 35	3 16	7 57	0 40	23 15	0 11	10 34	2 21	23 15	0 25	18 56	1 38	22 21	15 7	23 31	23 31	22 16	17 8	2 24
T 23	23 21	19 49	3 31	21 37	1 5	14 53	3 15	7 40	0 39	23 16	0 11	10 35	2 22	23 14	0 25	18 56	1 38	22 21	15 7	23 31	23 31	22 17	17 9	2 24
F 24	23 17	15 56	4 23	21 54	0 57	15 10	3 14	7 22	0 38	23 17	0 11	10 37	2 22	23 14	0 25	18 56	1 38	22 20	15 6	23 31	23 31	22 19	17 10	2 24
S 25	23 13	11 18	4 58	22 10	0 48	15 27	3 13	7 4	0 37	23 17	0 10	10 38	2 22	23 14	0 25	18 56	1 38	22 19	15 6	23 31	23 31	22 20	17 11	2 25
S 26	23 9	6 17	5 16	22 26	0 39	15 44	3 12	6 47	0 36	23 18	0 10	10 39	2 22	23 13	0 25	18 56	1 38	22 19	15 6	23 31	23 32	22 21	17 12	2 25
M27	23 4	1 9	5 16	22 40	0 31	16 1	3 11	6 29	0 35	23 19	0 10	10 40	2 22	23 13	0 25	18 55	1 38	22 18	15 5	23 31	23 32	22 23	17 13	2 25
T 28	22 58	3s53	5 2	22 54	0 23	16 17	3 10	6 11	0 34	23 19	0 10	10 42	2 23	23 12	0 25	18 55	1 38	22 18	15 5	23 31	23 32	22 24	17 14	2 26
W29	22 52	8 39	4 33	23 7	0 15	16 34	3 8	5 53	0 33	23 20	0 10	10 43	2 23	23 12	0 25	18 55	1 38	22 17	15 5	23 31	23 32	22 25	17 15	2 26
T 30	22 46	13 1	3 53	23 19	0 6	16 50	3 7	5 35	0 32	23 20	0 10	10 44	2 23	23 12	0 25	18 55	1 38	22 16	15 5	23 31	23 32	22 26	17 16	2 27
F 31	22s39	16s49	3n 4	23s30	0s 1	17s 6	3n 5	5s17	0s30	23s21	0n10	10s45	2n23	23s11	0s25	18n55	1s38	22s16	15s 4	23n31	23n32	22s27	17s17	2n27

Julian Day Number = 2112209.5, Delta T = 19m22s
Ecliptic obliquity = 23°33'34, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°47'20, Lahiri = 10°54'21 Julian Calendar 1 Dec. 1070 == Greg. Calendar 7 Dec. 1070

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1071
geocentric

JANUARY 1071 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 3 39	16♑33'44	9♐48	26♐56	0♐26	18♓35	26♐33	4♏18	14♑33	1°R11	8♓41	3♋21	2♋40	22♐48	27♏29	S 1
S 2	7 7 35	17°34'50	21°34	28°21	1°33	19°18	26°47	4°21	14°36	1♊10	8°42	3°22	2°37	22°54	27°35	S 2
M 3	7 11 32	18°35'56	3♑22	29°47	2°39	20° 1	27° 0	4°25	14°40	1° 9	8°43	3°R23	2°34	23° 1	27°40	M 3
T 4	7 15 28	19°37'01	15°14	1♑14	3°46	20°44	27°14	4°28	14°43	1° 8	8°44	3°22	2°31	23° 8	27°46	T 4
W 5	7 19 25	20°38'05	27°13	2°41	4°53	21°27	27°27	4°31	14°47	1° 7	8°45	3°21	2°27	23°14	27°52	W 5
T 6	7 23 22	21°39'08	9♒19	4°10	6° 0	22°10	27°40	4°35	14°50	1° 6	8°46	3°19	2°24	23°21	27°57	T 6
F 7	7 27 18	22°40'10	21°34	5°39	7° 7	22°53	27°53	4°38	14°54	1° 5	8°47	3°16	2°21	23°27	28° 3	F 7
S 8	7 31 15	23°41'11	4♓ 1	7° 9	8°15	23°36	28° 7	4°41	14°57	1° 4	8°48	3°12	2°18	23°34	28° 8	S 8
S 9	7 35 11	24°42'11	16°41	8°39	9°22	24°19	28°20	4°44	15° 1	1° 4	8°50	3° 9	2°15	23°41	28°14	S 9
M10	7 39 8	25°43'09	29°35	10°10	10°30	25° 2	28°33	4°47	15° 4	1° 3	8°51	3° 6	2°11	23°47	28°19	M10
T 11	7 43 4	26°44'06	12♈45	11°42	11°38	25°45	28°46	4°49	15° 8	1° 2	8°52	3° 4	2° 8	23°54	28°24	T 11
W12	7 47 1	27°45'02	26°13	13°15	12°46	26°28	28°59	4°52	15°11	1° 1	8°53	3°D 4	2° 5	24° 1	28°29	W12
T 13	7 50 57	28°45'57	10♉ 1	14°48	13°54	27°11	29°12	4°55	15°15	1° 0	8°54	3° 4	2° 2	24° 7	28°34	T 13
F 14	7 54 54	29°46'50	24° 8	16°22	15° 3	27°54	29°25	4°57	15°18	1° 0	8°56	3° 5	1°59	24°14	28°39	F 14
S 15	7 58 51	0♒47'41	8♊34	17°57	16°11	28°37	29°38	5° 0	15°22	0°59	8°57	3° 7	1°56	24°21	28°44	S 15
S 16	8 2 47	1°48'31	23°17	19°32	17°20	29°20	29°50	5° 2	15°25	0°58	8°58	3° 8	1°52	24°27	28°49	S 16
M17	8 6 44	2°49'20	8♋10	21° 9	18°29	0♈ 3	0♑ 3	5° 4	15°29	0°58	8°59	3°R 8	1°49	24°34	28°54	M17
T 18	8 10 40	3°50'08	23° 7	22°46	19°38	0°45	0°16	5° 6	15°32	0°57	9° 1	3° 7	1°46	24°41	28°59	T 18
W19	8 14 37	4°50'53	8♌ 1	24°23	20°47	1°28	0°28	5° 8	15°35	0°57	9° 2	3° 4	1°43	24°47	29° 3	W19
T 20	8 18 33	5°51'38	22°42	26° 2	21°56	2°11	0°41	5°10	15°39	0°56	9° 3	3° 0	1°40	24°54	29° 8	T 20
F 21	8 22 30	6°52'21	7♍ 3	27°41	23° 5	2°54	0°54	5°12	15°42	0°55	9° 5	2°54	1°37	25° 1	29°12	F 21
S 22	8 26 26	7°53'03	21° 0	29°21	24°15	3°36	1° 6	5°14	15°46	0°55	9° 6	2°49	1°33	25° 7	29°17	S 22
S 23	8 30 23	8°53'44	4♎30	1♒ 2	25°25	4°19	1°18	5°15	15°49	0°55	9° 8	2°44	1°30	25°14	29°21	S 23
M24	8 34 20	9°54'23	17°33	2°44	26°34	5° 1	1°31	5°17	15°52	0°54	9° 9	2°40	1°27	25°20	29°25	M24
T 25	8 38 16	10°55'01	0♏12	4°27	27°44	5°44	1°43	5°18	15°56	0°54	9°10	2°37	1°24	25°27	29°29	T 25
W26	8 42 13	11°55'38	12°30	6°10	28°54	6°27	1°55	5°19	15°59	0°53	9°12	2°D37	1°21	25°34	29°33	W26
T 27	8 46 9	12°56'14	24°33	7°55	0♑ 4	7° 9	2° 7	5°21	16° 2	0°53	9°13	2°37	1°17	25°40	29°37	T 27
F 28	8 50 6	13°56'49	6♐25	9°40	1°14	7°52	2°19	5°22	16° 5	0°53	9°15	2°39	1°14	25°47	29°41	F 28
S 29	8 54 2	14°57'22	18°12	11°26	2°24	8°34	2°31	5°23	16° 9	0°53	9°16	2°41	1°11	25°54	29°45	S 29
S 30	8 57 59	15°57'54	29°59	13°14	3°35	9°16	2°43	5°24	16°12	0°52	9°17	2°R42	1° 8	26° 0	29°48	S 30
M31	9 1 55	16♒58'24	11♑49	15♒ 2	4♑45	9♈59	2♑55	5♏24	16♑15	0♊52	9♓19	2♋41	1♌ 5	26♐ 7	29♏52	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s32	19s56	2n 7	23s41	0s 9	17s21	3n 4	4s59	0s29	23s21	0n10	10s46	2n23	23s11	0s25	18n54	1s38	22s15	15s 4	23n31	23n32	22s29	17s18	2n27
S 2	22 24	22 13	1 5	23 50	0 17	17 37	3 2	4 42	0 28	23 21	0 10	10 47	2 24	23 11	0 25	18 54	1 38	22 14	15 4	23 31	23 32	22 30	17 19	2 28
M 3	22 16	23 31	0 0	23 58	0 24	17 52	3 0	4 24	0 27	23 22	0 10	10 48	2 24	23 10	0 25	18 54	1 38	22 14	15 4	23 31	23 32	22 31	17 20	2 28
T 4	22 7	23 46	1s 5	24 4	0 31	18 6	2 58	4 6	0 26	23 22	0 10	10 49	2 24	23 10	0 25	18 54	1 38	22 13	15 3	23 31	23 32	22 32	17 21	2 29
W 5	21 58	22 55	2 8	24 10	0 38	18 21	2 55	3 48	0 25	23 23	0 9	10 50	2 24	23 9	0 25	18 54	1 38	22 12	15 3	23 31	23 32	22 34	17 22	2 29
T 6	21 48	21 0	3 6	24 15	0 45	18 34	2 53	3 30	0 24	23 23	0 9	10 51	2 24	23 9	0 25	18 54	1 38	22 12	15 3	23 31	23 32	22 35	17 23	2 29
F 7	21 39	18 6	3 56	24 18	0 52	18 48	2 51	3 11	0 23	23 23	0 9	10 51	2 25	23 9	0 25	18 53	1 37	22 11	15 3	23 31	23 32	22 36	17 24	2 30
S 8	21 28	14 21	4 35	24 20	0 58	19 1	2 48	2 53	0 22	23 24	0 9	10 52	2 25	23 8	0 25	18 53	1 37	22 11	15 3	23 31	23 32	22 37	17 24	2 30
S 9	21 18	9 55	5 2	24 20	1 4	19 14	2 46	2 35	0 21	23 24	0 9	10 53	2 25	23 8	0 25	18 53	1 37	22 10	15 2	23 31	23 32	22 38	17 25	2 31
M10	21 6	4 58	5 14	24 20	1 10	19 27	2 43	2 17	0 20	23 24	0 9	10 54	2 25	23 7	0 25	18 53	1 37	22 9	15 2	23 31	23 32	22 40	17 26	2 31
T 11	20 55	0n18	5 11	24 18	1 15	19 39	2 40	1 59	0 19	23 24	0 9	10 55	2 26	23 7	0 25	18 53	1 37	22 9	15 2	23 31	23 33	22 41	17 27	2 31
W12	20 43	5 40	4 50	24 14	1 21	19 50	2 38	1 41	0 18	23 24	0 9	10 55	2 26	23 7	0 25	18 53	1 37	22 8	15 2	23 31	23 33	22 42	17 27	2 32
T 13	20 31	10 54	4 12	24 9	1 26	20 1	2 35	1 23	0 17	23 25	0 9	10 56	2 26	23 6	0 25	18 53	1 37	22 7	15 1	23 31	23 33	22 43	17 28	2 32
F 14	20 18	15 42	3 18	24 3	1 31	20 12	2 32	1 5	0 16	23 25	0 9	10 57	2 26	23 6	0 25	18 53	1 37	22 7	15 1	23 31	23 33	22 44	17 29	2 33
S 15	20 5	19 41	2 11	23 55	1 35	20 22	2 29	0 47	0 15	23 25	0 9	10 57	2 26	23 6	0 26	18 53	1 37	22 6	15 1	23 31	23 33	22 45	17 29	2 33
S 16	19 51	22 29	0 54	23 46	1 40	20 32	2 26	0 29	0 14	23 25	0 8	10 58	2 27	23 5	0 26	18 52	1 37	22 5	15 1	23 31	23 33	22 47	17 30	2 34
M17	19 38	23 46	0n28	23 35	1 43	20 41	2 23	0 11	0 13	23 25	0 8	10 58	2 27	23 5	0 26	18 52	1 37	22 5	15 1	23 31	23 33	22 48	17 30	2 34
T 18	19 23	23 20	1 47	23 23	1 47	20 50	2 19	0n 7	0 12	23 25	0 8	10 59	2 27	23 4	0 26	18 52	1 37	22 4	15 1	23 31	23 33	22 49	17 31	2 35
W19	19 9	21 15	3 0	23 10	1 50	20 58	2 16	0 25	0 11	23 25	0 8	10 59	2 27	23 4	0 26	18 52	1 37	22 3	15 0	23 31	23 33	22 50	17 32	2 35
T 20	18 54	17 46	3 59	22 54	1 53	21 6	2 13	0 43	0 10	23 25	0 8	11 0	2 28	23 4	0 26	18 52	1 37	22 3	15 0	23 32	23 33	22 51	17 32	2 35
F 21	18 39	13 18	4 41	22 37	1 56	21 13	2 9	1 1	0 10	23 25	0 8	11 0	2 28	23 3	0 26	18 52	1 37	22 2	15 0	23 32	23 33	22 52	17 33	2 36
S 22	18 23	8 15	5 5	22 19	1 58	21 20	2 6	1 18	0 9	23 25	0 8	11 0	2 28	23 3	0 26	18 52	1 37	22 1	15 0	23 32	23 33	22 53	17 33	2 36
S 23	18 7	2 58	5 12	21 59	2 0	21 26	2 3	1 36	0 8	23 25	0 8	11 1	2 28	23 2	0 26	18 52	1 37	22 0	15 0	23 32	23 33	22 55	17 34	2 37
M24	17 51	2s17	5 2	21 37	2 2	21 32	1 59	1 54	0 7	23 25	0 8	11 1	2 29	23 2	0 26	18 52	1 37	22 0	15 0	23 32	23 33	22 56	17 34	2 37
T 25	17 35	7 17	4 37	21 14	2 3	21 37	1 56	2 12	0 6	23 25	0 8	11 1	2 29	23 2	0 26	18 52	1 36	21 59	14 59	23 32	23 33	22 57	17 34	2 38
W26	17 18	11 52	4 0	20 49	2 4	21 41	1 52	2 30	0 5	23 25	0 8	11 1	2 29	23 1	0 26	18 52	1 36	21 58	14 59	23 32	23 33	22 58	17 35	2 38
T 27	17 1	15 53	3 13	20 23	2 4	21 45	1 48	2 47	0 4	23 25	0 8	11 1	2 29	23 1	0 26	18 52	1 36	21 58	14 59	23 32	23 33	22 59	17 35	2 39
F 28	16 43	19 13	2 18	19 55	2 4	21 48	1 45	3 5	0 3	23 25	0 7	11 2	2 29	23 1	0 26	18 52	1 36	21 57	14 59	23 32	23 33	23 0	17 36	2 39
S 29	16 26	21 44	1 18	19 25	2 4	21 51	1 41	3 23	0 2	23 25	0 7	11 2	2 30	23 0	0 26	18 52	1 36	21 56	14 59	23 32	23 33	23 1	17 36	2 40
S 30	16 8	23 19	0 15	18 54	2 3	21 53	1 38	3 40	0 2	23 25	0 7	11 2	2 30	23 0	0 26	18 52	1 36	21 56	14 59	23 32	23 33	23 2	17 36	2 40
M31	15s50	23s51	0s49	18s20	2s 1	21s55	1n34	3n58	0s 1	23s24	0n 7	11s 2	2n30	22s59	0s26	18n52	1s36	21s55	14s59	23n32	23n33	23s 3	17s36	2n41

Julian Day Number = 2112240.5, Delta T = 19m22s
Ecliptic obliquity = 23°33'34, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°47'25, Lahiri = 10°54'25 Julian Calendar 1 Jan. 1071 == Greg. Calendar 7 Jan. 1071

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1071
geocentric

FEBRUARY 1071 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 5 52	17♒58'53	23♑47	16♒50	5♑55	10♈41	3♑ 7	5♏25	16♑18	0°R52	9♓20	2°R39	1♋ 2	26♐14	29♏55	T 1
W 2	9 9 49	18°59'21	5♒55	18°40	7° 6	11°24	3°18	5°26	16°21	0♊52	9°22	2♋34	0°58	26°20	29°59	W 2
T 3	9 13 45	19°59'46	18°15	20°31	8°16	12° 6	3°30	5°26	16°24	0°52	9°23	2°27	0°55	26°27	0♐ 2	T 3
F 4	9 17 42	21° 0'10	0♓48	22°22	9°27	12°48	3°42	5°27	16°27	0°D52	9°25	2°19	0°52	26°34	0° 5	F 4
S 5	9 21 38	22° 0'32	13°34	24°15	10°38	13°31	3°53	5°27	16°31	0°52	9°26	2° 9	0°49	26°40	0° 8	S 5
S 6	9 25 35	23° 0'53	26°33	26° 8	11°49	14°13	4° 4	5°27	16°34	0°52	9°28	2° 0	0°46	26°47	0°11	S 6
M 7	9 29 31	24° 1'11	9♈45	28° 1	13° 0	14°55	4°16	5°R27	16°37	0°52	9°29	1°52	0°43	26°54	0°14	M 7
T 8	9 33 28	25° 1'27	23° 8	29°55	14°11	15°37	4°27	5°27	16°40	0°52	9°31	1°46	0°39	27° 0	0°17	T 8
W 9	9 37 24	26° 1'41	6♉43	1♓50	15°22	16°19	4°38	5°27	16°42	0°52	9°32	1°41	0°36	27° 7	0°19	W 9
T 10	9 41 21	27° 1'53	20°30	3°45	16°33	17° 1	4°49	5°27	16°45	0°53	9°34	1°40	0°33	27°13	0°22	T 10
F 11	9 45 18	28° 2'03	4♊28	5°40	17°44	17°43	5° 0	5°26	16°48	0°53	9°35	1°D40	0°30	27°20	0°25	F 11
S 12	9 49 14	29° 2'11	18°37	7°35	18°55	18°25	5°11	5°26	16°51	0°53	9°37	1°40	0°27	27°27	0°27	S 12
S 13	9 53 11	0♓ 2'17	2♋57	9°30	20° 6	19° 7	5°21	5°25	16°54	0°53	9°38	1°R41	0°23	27°33	0°29	S 13
M14	9 57 7	1° 2'20	17°24	11°25	21°17	19°49	5°32	5°25	16°57	0°54	9°40	1°40	0°20	27°40	0°31	M14
T 15	10 1 4	2° 2'21	1♌56	13°18	22°29	20°31	5°42	5°24	16°59	0°54	9°41	1°37	0°17	27°47	0°34	T 15
W16	10 5 0	3° 2'21	16°27	15°10	23°40	21°13	5°53	5°23	17° 2	0°54	9°43	1°31	0°14	27°53	0°36	W16
T 17	10 8 57	4° 2'18	0♍50	17° 1	24°51	21°55	6° 3	5°22	17° 5	0°55	9°45	1°22	0°11	28° 0	0°37	T 17
F 18	10 12 53	5° 2'13	15° 0	18°50	26° 3	22°37	6°13	5°21	17° 8	0°55	9°46	1°12	0° 8	28° 7	0°39	F 18
S 19	10 16 50	6° 2'06	28°51	20°36	27°14	23°19	6°23	5°20	17°10	0°56	9°48	1° 1	0° 4	28°13	0°41	S 19
S 20	10 20 47	7° 1'57	12♎19	22°20	28°26	24° 0	6°33	5°19	17°13	0°56	9°49	0°51	0° 1	28°20	0°42	S 20
M21	10 24 43	8° 1'46	25°24	24° 0	29°38	24°42	6°43	5°17	17°15	0°57	9°51	0°42	29♊58	28°27	0°44	M21
T 22	10 28 40	9° 1'34	8♏ 5	25°36	0♒49	25°24	6°53	5°16	17°18	0°57	9°52	0°35	29°55	28°33	0°45	T 22
W23	10 32 36	10° 1'19	20°26	27° 8	2° 1	26° 5	7° 3	5°14	17°20	0°58	9°54	0°31	29°52	28°40	0°47	W23
T 24	10 36 33	11° 1'04	2♐31	28°35	3°13	26°47	7°12	5°13	17°23	0°59	9°55	0°29	29°48	28°46	0°48	T 24
F 25	10 40 29	12° 0'46	14°25	29°56	4°25	27°29	7°22	5°11	17°25	0°59	9°57	0°D29	29°45	28°53	0°49	F 25
S 26	10 44 26	13° 0'26	26°13	1♈12	5°36	28°10	7°31	5° 9	17°28	1° 0	9°59	0°R29	29°42	29° 0	0°50	S 26
S 27	10 48 22	14° 0'05	8♑ 1	2°21	6°48	28°52	7°40	5° 7	17°30	1° 1	10° 0	0°29	29°39	29° 6	0°51	S 27
M28	10 52 19	14♓59'42	19♑54	3♈24	8♒ 0	29♈33	7♑49	5♏ 5	17♑32	1♊ 2	10♓ 2	0♋27	29♊36	29♐13	0♐51	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s31	23s17	1s52	17s46	1s59	21s56	1n30	4n15	0n 0	23s24	0n 7	11s 2	2n30	22s59	0s26	18n52	1s36	21s54	14s59	23n32	23n33	23s 4	17s37	2n41
W 2	15 12	21 38	2 50	17 9	1 57	21 56	1 26	4 33	0 1	23 24	0 7	11 2	2 31	22 59	0 26	18 52	1 36	21 54	14 58	23 32	23 33	23 6	17 37	2 42
T 3	14 53	18 56	3 41	16 31	1 54	21 56	1 23	4 50	0 2	23 24	0 7	11 2	2 31	22 58	0 26	18 52	1 36	21 53	14 58	23 32	23 33	23 7	17 37	2 42
F 4	14 34	15 19	4 22	15 52	1 50	21 55	1 19	5 7	0 3	23 24	0 7	11 2	2 31	22 58	0 26	18 52	1 36	21 52	14 58	23 32	23 33	23 8	17 37	2 43
S 5	14 15	10 58	4 51	15 11	1 46	21 53	1 15	5 25	0 3	23 23	0 7	11 1	2 31	22 58	0 26	18 52	1 36	21 52	14 58	23 33	23 33	23 9	17 38	2 43
S 6	13 55	6 2	5 5	14 28	1 42	21 51	1 11	5 42	0 4	23 23	0 7	11 1	2 32	22 57	0 26	18 52	1 36	21 51	14 58	23 33	23 33	23 10	17 38	2 43
M 7	13 35	0 46	5 4	13 44	1 36	21 48	1 7	5 59	0 5	23 23	0 7	11 1	2 32	22 57	0 26	18 52	1 36	21 50	14 58	23 33	23 33	23 11	17 38	2 44
T 8	13 15	4n37	4 46	12 58	1 31	21 45	1 4	6 16	0 6	23 23	0 6	11 1	2 32	22 57	0 26	18 53	1 36	21 50	14 58	23 33	23 33	23 12	17 38	2 44
W 9	12 54	9 52	4 12	12 11	1 24	21 41	1 0	6 33	0 7	23 22	0 6	11 1	2 32	22 56	0 26	18 53	1 36	21 49	14 58	23 33	23 34	23 13	17 38	2 45
T 10	12 34	14 43	3 22	11 23	1 17	21 36	0 56	6 50	0 7	23 22	0 6	11 0	2 33	22 56	0 26	18 53	1 36	21 49	14 58	23 33	23 34	23 14	17 38	2 45
F 11	12 13	18 50	2 21	10 33	1 9	21 31	0 52	7 7	0 8	23 22	0 6	11 0	2 33	22 56	0 26	18 53	1 35	21 48	14 58	23 33	23 34	23 15	17 38	2 46
S 12	11 52	21 55	1 10	9 42	1 1	21 25	0 49	7 24	0 9	23 21	0 6	11 0	2 33	22 55	0 26	18 53	1 35	21 47	14 58	23 33	23 34	23 16	17 38	2 47
S 13	11 31	23 38	0n 7	8 51	0 52	21 18	0 45	7 40	0 10	23 21	0 6	10 59	2 33	22 55	0 26	18 53	1 35	21 47	14 58	23 33	23 34	23 17	17 38	2 47
M14	11 10	23 48	1 23	7 58	0 42	21 11	0 41	7 57	0 10	23 21	0 6	10 59	2 33	22 55	0 26	18 53	1 35	21 46	14 58	23 33	23 34	23 18	17 38	2 48
T 15	10 48	22 20	2 34	7 5	0 32	21 4	0 37	8 14	0 11	23 20	0 6	10 58	2 34	22 54	0 26	18 53	1 35	21 45	14 58	23 33	23 34	23 19	17 38	2 48
W16	10 26	19 24	3 35	6 12	0 22	20 55	0 34	8 30	0 12	23 20	0 6	10 58	2 34	22 54	0 26	18 53	1 35	21 45	14 58	23 33	23 34	23 20	17 38	2 49
T 17	10 5	15 18	4 22	5 19	0 10	20 46	0 30	8 47	0 13	23 20	0 6	10 57	2 34	22 54	0 26	18 54	1 35	21 44	14 58	23 33	23 34	23 21	17 38	2 49
F 18	9 43	10 25	4 52	4 25	0n 2	20 37	0 26	9 3	0 13	23 19	0 5	10 57	2 34	22 53	0 26	18 54	1 35	21 43	14 58	23 33	23 34	23 22	17 38	2 50
S 19	9 21	5 5	5 3	3 32	0 14	20 27	0 23	9 19	0 14	23 19	0 5	10 56	2 35	22 53	0 26	18 54	1 35	21 43	14 58	23 33	23 34	23 23	17 37	2 50
S 20	8 58	0s20	4 57	2 39	0 26	20 16	0 19	9 35	0 15	23 19	0 5	10 56	2 35	22 53	0 26	18 54	1 35	21 42	14 58	23 33	23 34	23 24	17 37	2 51
M21	8 36	5 35	4 36	1 48	0 39	20 5	0 15	9 51	0 16	23 18	0 5	10 55	2 35	22 52	0 26	18 54	1 35	21 42	14 58	23 33	23 34	23 25	17 37	2 51
T 22	8 14	10 28	4 1	0 57	0 52	19 53	0 12	10 7	0 16	23 18	0 5	10 54	2 35	22 52	0 26	18 54	1 35	21 41	14 58	23 34	23 34	23 26	17 37	2 52
W23	7 51	14 48	3 16	0 9	1 6	19 40	0 8	10 23	0 17	23 17	0 5	10 54	2 35	22 52	0 26	18 55	1 35	21 40	14 58	23 34	23 34	23 27	17 37	2 52
T 24	7 28	18 26	2 23	0n38	1 19	19 27	0 5	10 39	0 18	23 17	0 5	10 53	2 36	22 51	0 26	18 55	1 35	21 40	14 58	23 34	23 34	23 28	17 36	2 53
F 25	7 5	21 15	1 25	1 23	1 32	19 14	0 1	10 55	0 18	23 16	0 5	10 52	2 36	22 51	0 26	18 55	1 35	21 39	14 58	23 34	23 34	23 29	17 36	2 53
S 26	6 42	23 8	0 23	2 6	1 46	19 0	0s 2	11 10	0 19	23 16	0 5	10 51	2 36	22 51	0 26	18 55	1 35	21 39	14 58	23 34	23 34	23 30	17 36	2 54
S 27	6 19	23 59	0s40	2 45	1 58	18 45	0 5	11 26	0 20	23 16	0 5	10 50	2 36	22 51	0 26	18 55	1 34	21 38	14 58	23 34	23 34	23 30	17 35	2 54
M28	5s56	23s45	1s41	3n22	2n11	18s30	0s 9	11n41	0n20	23s15	0n 5	10s50	2n36	22s50	0s26	18n56	1s34	21s38	14s58	23n34	23n34	23s31	17s35	2n55

Julian Day Number = 2112271.5, Delta T = 19m21s
Ecliptic obliquity = 23°33'35, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°47'29, Lahiri = 10°54'29 Julian Calendar 1 Feb. 1071 == Greg. Calendar 7 Feb. 1071

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1071
geocentric

MARCH 1071 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 56 16	15♓59'17	1♒57	4♈20	9♒12	0♉15	7♑58	5°R 3	17♑35	1♊ 2	10♓ 3	0°R23	29♊33	29♐20	0♐52	T 1
W 2	11 0 12	16°58'50	14°13	5° 9	10°24	0°56	8° 7	5♏ 1	17°37	1° 3	10° 5	0♋16	29°29	29°26	0°53	W 2
T 3	11 4 9	17°58'22	26°45	5°50	11°36	1°37	8°16	4°59	17°39	1° 4	10° 6	0° 7	29°26	29°33	0°53	T 3
F 4	11 8 5	18°57'51	9♓35	6°24	12°48	2°19	8°24	4°56	17°41	1° 5	10° 8	29♊55	29°23	29°40	0°53	F 4
S 5	11 12 2	19°57'18	22°42	6°49	14° 0	3° 0	8°33	4°54	17°43	1° 6	10° 9	29°43	29°20	29°46	0°54	S 5
S 6	11 15 58	20°56'43	6♈ 5	7° 7	15°12	3°41	8°41	4°51	17°45	1° 7	10°11	29°30	29°17	29°53	0°54	S 6
M 7	11 19 55	21°56'06	19°41	7°17	16°25	4°23	8°49	4°49	17°47	1° 8	10°12	29°18	29°14	29°59	0°R54	M 7
T 8	11 23 51	22°55'26	3♉27	7°R20	17°37	5° 4	8°57	4°46	17°49	1° 9	10°14	29° 9	29°10	0♑ 6	0°54	T 8
W 9	11 27 48	23°54'45	17°21	7°15	18°49	5°45	9° 5	4°43	17°51	1°10	10°16	29° 2	29° 7	0°13	0°54	W 9
T 10	11 31 44	24°54'01	1♊20	7° 3	20° 1	6°26	9°13	4°40	17°53	1°11	10°17	28°59	29° 4	0°19	0°53	T 10
F 11	11 35 41	25°53'15	15°23	6°44	21°13	7° 7	9°21	4°37	17°55	1°12	10°19	28°57	29° 1	0°26	0°53	F 11
S 12	11 39 38	26°52'26	29°28	6°19	22°26	7°48	9°28	4°34	17°57	1°13	10°20	28°57	28°58	0°33	0°52	S 12
S 13	11 43 34	27°51'35	13♋35	5°48	23°38	8°29	9°36	4°31	17°58	1°15	10°22	28°57	28°54	0°39	0°52	S 13
M14	11 47 31	28°50'41	27°42	5°13	24°50	9°10	9°43	4°28	18° 0	1°16	10°23	28°55	28°51	0°46	0°51	M14
T 15	11 51 27	29°49'46	11♌50	4°33	26° 2	9°51	9°50	4°25	18° 2	1°17	10°25	28°51	28°48	0°53	0°50	T 15
W16	11 55 24	0♈48'47	25°53	3°50	27°15	10°32	9°57	4°22	18° 3	1°18	10°26	28°44	28°45	0°59	0°50	W16
T 17	11 59 20	1°47'47	9♍50	3° 4	28°27	11°13	10° 4	4°18	18° 5	1°20	10°27	28°34	28°42	1° 6	0°49	T 17
F 18	12 3 17	2°46'44	23°37	2°17	29°39	11°54	10°10	4°15	18° 6	1°21	10°29	28°22	28°39	1°13	0°48	F 18
S 19	12 7 13	3°45'39	7♎ 9	1°30	0♓52	12°35	10°17	4°11	18° 8	1°22	10°30	28°10	28°35	1°19	0°46	S 19
S 20	12 11 10	4°44'32	20°24	0°42	2° 4	13°15	10°23	4° 8	18° 9	1°24	10°32	27°57	28°32	1°26	0°45	S 20
M21	12 15 7	5°43'23	3♏19	29♓56	3°17	13°56	10°29	4° 4	18°11	1°25	10°33	27°47	28°29	1°33	0°44	M21
T 22	12 19 3	6°42'13	15°56	29°13	4°29	14°37	10°35	4° 0	18°12	1°27	10°35	27°38	28°26	1°39	0°42	T 22
W23	12 23 0	7°41'00	28°15	28°31	5°41	15°18	10°41	3°57	18°13	1°28	10°36	27°32	28°23	1°46	0°41	W23
T 24	12 26 56	8°39'46	10♐20	27°54	6°54	15°58	10°47	3°53	18°15	1°30	10°38	27°29	28°20	1°53	0°39	T 24
F 25	12 30 53	9°38'29	22°14	27°20	8° 6	16°39	10°52	3°49	18°16	1°31	10°39	27°28	28°16	1°59	0°37	F 25
S 26	12 34 49	10°37'12	4♑ 3	26°51	9°19	17°19	10°58	3°45	18°17	1°33	10°40	27°D28	28°13	2° 6	0°36	S 26
S 27	12 38 46	11°35'52	15°52	26°26	10°31	18° 0	11° 3	3°41	18°18	1°34	10°42	27°R28	28°10	2°12	0°34	S 27
M28	12 42 42	12°34'30	27°46	26° 6	11°44	18°41	11° 8	3°37	18°19	1°36	10°43	27°27	28° 7	2°19	0°32	M28
T 29	12 46 39	13°33'07	9♒51	25°52	12°57	19°21	11°13	3°33	18°20	1°37	10°44	27°24	28° 4	2°26	0°30	T 29
W30	12 50 36	14°31'42	22°12	25°42	14° 9	20° 1	11°18	3°29	18°21	1°39	10°46	27°19	28° 0	2°32	0°27	W30
T 31	12 54 32	15♈30'16	4♓51	25°D38	15♓22	20♉42	11♑22	3♏25	18♑22	1♊41	10♓47	27♊11	27♊57	2♑39	0♐25	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s33	22s24	2s39	3n55	2n23	18s14	0s12	11n57	0n21	23s15	0n 4	10s49	2n37	22s50	0s26	18n56	1s34	21s37	14s58	23n34	23n34	23s32	17s35	2n55
W 2	5 10	19 59	3 30	4 25	2 34	17 58	0 15	12 12	0 22	23 14	0 4	10 48	2 37	22 50	0 26	18 56	1 34	21 36	14 58	23 34	23 34	23 33	17 34	2 56
T 3	4 47	16 36	4 12	4 51	2 45	17 41	0 19	12 27	0 22	23 14	0 4	10 47	2 37	22 50	0 26	18 56	1 34	21 36	14 58	23 34	23 34	23 34	17 34	2 56
F 4	4 23	12 22	4 42	5 13	2 54	17 24	0 22	12 42	0 23	23 13	0 4	10 46	2 37	22 49	0 26	18 57	1 34	21 35	14 58	23 34	23 34	23 35	17 33	2 57
S 5	4 0	7 28	4 58	5 31	3 3	17 6	0 25	12 57	0 24	23 13	0 4	10 45	2 37	22 49	0 26	18 57	1 34	21 35	14 58	23 34	23 33	23 36	17 33	2 57
S 6	3 36	2 8	4 59	5 45	3 11	16 48	0 28	13 11	0 24	23 13	0 4	10 44	2 38	22 49	0 27	18 57	1 34	21 34	14 58	23 34	23 33	23 37	17 32	2 58
M 7	3 13	3n23	4 42	5 55	3 17	16 29	0 31	13 26	0 25	23 12	0 4	10 43	2 38	22 49	0 27	18 57	1 34	21 34	14 58	23 33	23 33	23 38	17 32	2 58
T 8	2 49	8 50	4 9	6 1	3 22	16 10	0 34	13 41	0 26	23 12	0 4	10 42	2 38	22 48	0 27	18 58	1 34	21 33	14 58	23 33	23 33	23 39	17 31	2 59
W 9	2 26	13 53	3 21	6 2	3 25	15 51	0 37	13 55	0 26	23 11	0 4	10 41	2 38	22 48	0 27	18 58	1 34	21 33	14 58	23 33	23 33	23 39	17 31	2 59
T 10	2 2	18 14	2 20	5 59	3 27	15 31	0 40	14 9	0 27	23 11	0 3	10 40	2 38	22 48	0 27	18 58	1 34	21 32	14 58	23 33	23 33	23 40	17 30	3 0
F 11	1 39	21 34	1 11	5 52	3 28	15 10	0 43	14 23	0 27	23 10	0 3	10 38	2 38	22 48	0 27	18 58	1 34	21 32	14 59	23 33	23 33	23 41	17 30	3 1
S 12	1 15	23 36	0n 3	5 41	3 27	14 49	0 45	14 37	0 28	23 10	0 3	10 37	2 39	22 47	0 27	18 59	1 34	21 31	14 59	23 33	23 33	23 42	17 29	3 1
S 13	0 51	24 8	1 17	5 26	3 24	14 28	0 48	14 51	0 29	23 9	0 3	10 36	2 39	22 47	0 27	18 59	1 34	21 31	14 59	23 33	23 33	23 43	17 28	3 2
M14	0 28	23 6	2 26	5 7	3 19	14 6	0 51	15 5	0 29	23 9	0 3	10 35	2 39	22 47	0 27	18 59	1 34	21 30	14 59	23 33	23 33	23 44	17 28	3 2
T 15	0 4	20 37	3 26	4 46	3 13	13 44	0 53	15 19	0 30	23 9	0 3	10 34	2 39	22 47	0 27	19 0	1 34	21 30	14 59	23 33	23 33	23 45	17 27	3 3
W16	0n20	16 55	4 13	4 21	3 5	13 22	0 56	15 32	0 30	23 8	0 3	10 32	2 39	22 47	0 27	19 0	1 34	21 29	14 59	23 33	23 33	23 45	17 26	3 3
T 17	0 43	12 18	4 45	3 54	2 55	12 59	0 58	15 46	0 31	23 8	0 3	10 31	2 39	22 46	0 27	19 0	1 33	21 29	14 59	23 33	23 33	23 46	17 26	3 4
F 18	1 7	7 7	4 59	3 25	2 44	12 36	1 0	15 59	0 31	23 7	0 3	10 30	2 39	22 46	0 27	19 1	1 33	21 29	14 59	23 33	23 33	23 47	17 25	3 4
S 19	1 30	1 41	4 57	2 55	2 32	12 12	1 3	16 12	0 32	23 7	0 3	10 29	2 40	22 46	0 27	19 1	1 33	21 28	15 0	23 33	23 33	23 48	17 24	3 5
S 20	1 54	3s43	4 38	2 24	2 19	11 48	1 5	16 25	0 33	23 7	0 2	10 27	2 40	22 46	0 27	19 1	1 33	21 28	15 0	23 33	23 33	23 49	17 24	3 5
M21	2 17	8 50	4 5	1 52	2 4	11 24	1 7	16 38	0 33	23 6	0 2	10 26	2 40	22 46	0 27	19 2	1 33	21 27	15 0	23 32	23 33	23 50	17 23	3 6
T 22	2 40	13 29	3 21	1 21	1 49	10 59	1 9	16 50	0 34	23 6	0 2	10 25	2 40	22 46	0 27	19 2	1 33	21 27	15 0	23 32	23 33	23 50	17 22	3 6
W23	3 4	17 28	2 28	0 50	1 33	10 34	1 11	17 3	0 34	23 6	0 2	10 23	2 40	22 46	0 27	19 2	1 33	21 26	15 0	23 32	23 33	23 51	17 21	3 7
T 24	3 27	20 38	1 30	0 20	1 17	10 9	1 13	17 15	0 35	23 5	0 2	10 22	2 40	22 45	0 27	19 3	1 33	21 26	15 0	23 32	23 33	23 52	17 20	3 7
F 25	3 50	22 52	0 28	0s 8	1 1	9 44	1 15	17 28	0 35	23 5	0 2	10 20	2 40	22 45	0 27	19 3	1 33	21 26	15 1	23 32	23 33	23 53	17 19	3 8
S 26	4 13	24 5	0s35	0 35	0 45	9 18	1 17	17 40	0 36	23 5	0 2	10 19	2 40	22 45	0 27	19 3	1 33	21 25	15 1	23 32	23 33	23 54	17 19	3 8
S 27	4 37	24 12	1 36	0 59	0 28	8 52	1 19	17 52	0 36	23 4	0 2	10 18	2 40	22 45	0 27	19 4	1 33	21 25	15 1	23 32	23 33	23 54	17 18	3 9
M28	5 0	23 13	2 34	1 22	0 12	8 26	1 20	18 3	0 37	23 4	0 2	10 16	2 41	22 45	0 27	19 4	1 33	21 25	15 1	23 32	23 33	23 55	17 17	3 9
T 29	5 22	21 10	3 25	1 42	0s 3	8 0	1 22	18 15	0 37	23 4	0 1	10 15	2 41	22 45	0 27	19 4	1 33	21 24	15 1	23 32	23 33	23 56	17 16	3 10
W30	5 45	18 5	4 8	2 0	0 19	7 33	1 23	18 27	0 38	23 3	0 1	10 13	2 41	22 45	0 27	19 5	1 33	21 24	15 2	23 32	23 33	23 57	17 15	3 10
T 31	6n 8	14s 7	4s40	2s15	0s33	7s 6	1s25	18n38	0n38	23s 3	0n 1	10s12	2n41	22s45	0s27	19n 5	1s33	21s24	15s 2	23n32	23n33	23s57	17s14	3n11

Julian Day Number = 2112299.5, Delta T = 19m21s
Ecliptic obliquity = 23°33'35, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°47'33, Lahiri = 10°54'33 Julian Calendar 1 March 1071 == Greg. Calendar 7 March 1071

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1071
geocentric

APRIL 1071 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 58 29	16♈28'47	17♓53	25♓38	16♓34	21♉22	11♊27	3°R21	18♊23	1♊42	10♓48	27°R 1	27♊54	2♊46	0°R23	F 1
S 2	13 2 25	17°27'17	1♈15	25°44	17°47	22° 3	11°31	3♏16	18°23	1°44	10°50	26♊50	27°51	2°52	0♐20	S 2
S 3	13 6 22	18°25'45	14°59	25°55	19° 0	22°43	11°35	3°12	18°24	1°46	10°51	26°39	27°48	2°59	0°18	S 3
M 4	13 10 18	19°24'11	28°59	26°11	20°12	23°23	11°39	3° 8	18°25	1°47	10°52	26°29	27°45	3° 6	0°15	M 4
T 5	13 14 15	20°22'35	13♉11	26°31	21°25	24° 4	11°42	3° 3	18°26	1°49	10°54	26°20	27°41	3°12	0°13	T 5
W 6	13 18 11	21°20'57	27°30	26°55	22°38	24°44	11°46	2°59	18°26	1°51	10°55	26°15	27°38	3°19	0°10	W 6
T 7	13 22 8	22°19'17	11♊51	27°24	23°50	25°24	11°49	2°55	18°27	1°53	10°56	26°12	27°35	3°26	0° 7	T 7
F 8	13 26 5	23°17'35	26°11	27°57	25° 3	26° 4	11°52	2°50	18°27	1°55	10°57	26°D11	27°32	3°32	0° 4	F 8
S 9	13 30 1	24°15'51	10♋25	28°35	26°16	26°44	11°55	2°46	18°28	1°56	10°58	26°12	27°29	3°39	0° 1	S 9
S 10	13 33 58	25°14'05	24°33	29°15	27°28	27°24	11°58	2°41	18°28	1°58	11° 0	26°R12	27°25	3°45	29♏58	S 10
M11	13 37 54	26°12'16	8♌33	29°59	28°41	28° 4	12° 1	2°37	18°28	2° 0	11° 1	26°11	27°22	3°52	29°55	M11
T 12	13 41 51	27°10'26	22°24	0♈48	29°54	28°45	12° 3	2°33	18°29	2° 2	11° 2	26° 9	27°19	3°59	29°52	T 12
W13	13 45 47	28° 8'33	6♍ 7	1°39	1♈ 6	29°25	12° 5	2°28	18°29	2° 4	11° 3	26° 4	27°16	4° 5	29°49	W13
T 14	13 49 44	29° 6'39	19°39	2°34	2°19	0♊ 5	12° 7	2°24	18°29	2° 6	11° 4	25°57	27°13	4°12	29°45	T 14
F 15	13 53 40	0♉ 4'42	3♎ 0	3°32	3°32	0°44	12° 9	2°19	18°29	2° 8	11° 5	25°48	27°10	4°19	29°42	F 15
S 16	13 57 37	1° 2'44	16° 9	4°32	4°45	1°24	12°11	2°15	18°29	2°10	11° 6	25°38	27° 6	4°25	29°38	S 16
S 17	14 1 33	2° 0'44	29° 3	5°36	5°57	2° 4	12°12	2°10	18°R29	2°12	11° 7	25°29	27° 3	4°32	29°35	S 17
M18	14 5 30	2°58'42	11♏42	6°42	7°10	2°44	12°14	2° 6	18°29	2°14	11° 9	25°21	27° 0	4°39	29°31	M18
T 19	14 9 27	3°56'39	24° 7	7°52	8°23	3°24	12°15	2° 1	18°29	2°16	11°10	25°15	26°57	4°45	29°28	T 19
W20	14 13 23	4°54'34	6♐19	9° 3	9°36	4° 4	12°16	1°57	18°29	2°18	11°11	25°11	26°54	4°52	29°24	W20
T 21	14 17 20	5°52'28	18°20	10°18	10°48	4°43	12°17	1°52	18°29	2°20	11°12	25° 9	26°51	4°59	29°20	T 21
F 22	14 21 16	6°50'20	0♑12	11°34	12° 1	5°23	12°17	1°48	18°29	2°22	11°13	25°D 9	26°47	5° 5	29°17	F 22
S 23	14 25 13	7°48'11	12° 0	12°53	13°14	6° 3	12°18	1°43	18°29	2°24	11°14	25°10	26°44	5°12	29°13	S 23
S 24	14 29 9	8°46'01	23°49	14°15	14°27	6°43	12°18	1°39	18°28	2°26	11°14	25°11	26°41	5°19	29° 9	S 24
M25	14 33 6	9°43'50	5♒44	15°39	15°40	7°22	12°R18	1°34	18°28	2°28	11°15	25°R12	26°38	5°25	29° 5	M25
T 26	14 37 3	10°41'37	17°49	17° 5	16°53	8° 2	12°18	1°30	18°28	2°30	11°16	25°12	26°35	5°32	29° 1	T 26
W27	14 40 59	11°39'23	0♓10	18°33	18° 5	8°42	12°17	1°25	18°27	2°32	11°17	25°10	26°31	5°38	28°57	W27
T 28	14 44 56	12°37'08	12°51	20° 4	19°18	9°21	12°17	1°21	18°27	2°35	11°18	25° 6	26°28	5°45	28°53	T 28
F 29	14 48 52	13°34'51	25°56	21°37	20°31	10° 1	12°16	1°17	18°26	2°37	11°19	25° 1	26°25	5°52	28°49	F 29
S 30	14 52 49	14♉32'34	9♈25	23♈12	21♈44	10♊40	12♊15	1♏12	18♊25	2♊39	11♓20	24♊55	26♊22	5♊58	28♏45	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6n31	9s23	4s59	2s28	0s48	6s39	1s26	18n49	0n39	23s 3	0n 1	10s10	2n41	22s45	0s27	19n 6	1s33	21s23	15s 2	23n32	23n33	23s58	17s13	3n11
S 2	6 53	4 6	5 1	2 38	1 1	6 12	1 28	19 0	0 39	23 3	0 1	10 9	2 41	22 44	0 27	19 6	1 33	21 23	15 2	23 31	23 33	23 59	17 12	3 12
S 3	7 16	1n31	4 47	2 46	1 14	5 44	1 29	19 11	0 40	23 2	0 1	10 7	2 41	22 44	0 27	19 6	1 33	21 23	15 2	23 31	23 32	24 0	17 11	3 12
M 4	7 38	7 11	4 16	2 51	1 26	5 17	1 30	19 22	0 40	23 2	0 1	10 6	2 41	22 44	0 27	19 7	1 33	21 22	15 3	23 31	23 32	24 0	17 10	3 12
T 5	8 0	12 34	3 28	2 53	1 37	4 49	1 31	19 32	0 41	23 2	0 1	10 4	2 41	22 44	0 27	19 7	1 33	21 22	15 3	23 31	23 32	24 1	17 9	3 13
W 6	8 22	17 19	2 27	2 53	1 48	4 21	1 32	19 43	0 41	23 2	0 0	10 3	2 41	22 44	0 27	19 7	1 33	21 22	15 3	23 30	23 32	24 2	17 8	3 13
T 7	8 44	21 4	1 16	2 50	1 58	3 53	1 33	19 53	0 42	23 2	0 0	10 1	2 41	22 44	0 27	19 8	1 33	21 22	15 3	23 30	23 32	24 2	17 7	3 14
F 8	9 6	23 30	0 0	2 45	2 7	3 25	1 34	20 3	0 42	23 1	0 0	10 0	2 41	22 44	0 27	19 8	1 32	21 21	15 4	23 30	23 32	24 3	17 6	3 14
S 9	9 27	24 24	1n15	2 38	2 15	2 56	1 35	20 13	0 43	23 1	0 0	9 58	2 41	22 44	0 28	19 9	1 32	21 21	15 4	23 30	23 32	24 4	17 5	3 15
S 10	9 49	23 42	2 25	2 29	2 23	2 28	1 35	20 23	0 43	23 1	0s 0	9 57	2 41	22 44	0 28	19 9	1 32	21 21	15 4	23 30	23 32	24 5	17 4	3 15
M11	10 10	21 32	3 26	2 17	2 30	2 0	1 36	20 32	0 43	23 1	0 0	9 55	2 41	22 44	0 28	19 9	1 32	21 21	15 4	23 30	23 32	24 5	17 3	3 16
T 12	10 31	18 7	4 14	2 4	2 36	1 31	1 36	20 42	0 44	23 1	0 0	9 54	2 41	22 44	0 28	19 10	1 32	21 20	15 5	23 30	23 32	24 6	17 2	3 16
W13	10 52	13 45	4 47	1 48	2 41	1 2	1 37	20 51	0 44	23 1	0 0	9 52	2 41	22 44	0 28	19 10	1 32	21 20	15 5	23 30	23 32	24 7	17 1	3 16
T 14	11 13	8 46	5 3	1 31	2 46	0 34	1 37	21 0	0 45	23 1	0 1	9 50	2 41	22 44	0 28	19 11	1 32	21 20	15 5	23 30	23 32	24 7	17 0	3 17
F 15	11 33	3 26	5 3	1 11	2 50	0 5	1 38	21 9	0 45	23 1	0 1	9 49	2 41	22 44	0 28	19 11	1 32	21 20	15 6	23 30	23 32	24 8	16 59	3 17
S 16	11 54	1s59	4 46	0 50	2 53	0n24	1 38	21 17	0 46	23 1	0 1	9 47	2 41	22 44	0 28	19 12	1 32	21 20	15 6	23 29	23 32	24 9	16 57	3 18
S 17	12 14	7 13	4 15	0 27	2 56	0 53	1 38	21 26	0 46	23 1	0 1	9 46	2 41	22 44	0 28	19 12	1 32	21 19	15 6	23 29	23 32	24 9	16 56	3 18
M18	12 34	12 4	3 32	0 3	2 58	1 21	1 38	21 34	0 46	23 1	0 1	9 44	2 41	22 44	0 28	19 12	1 32	21 19	15 6	23 29	23 32	24 10	16 55	3 18
T 19	12 54	16 20	2 39	0n23	2 59	1 50	1 38	21 42	0 47	23 1	0 1	9 43	2 41	22 44	0 28	19 13	1 32	21 19	15 7	23 28	23 31	24 10	16 54	3 19
W20	13 13	19 50	1 40	0 51	3 0	2 19	1 38	21 50	0 47	23 1	0 1	9 41	2 41	22 44	0 28	19 13	1 32	21 19	15 7	23 28	23 31	24 11	16 53	3 19
T 21	13 33	22 26	0 37	1 20	3 0	2 48	1 38	21 58	0 48	23 1	0 2	9 40	2 41	22 44	0 28	19 14	1 32	21 19	15 7	23 28	23 31	24 12	16 52	3 20
F 22	13 52	24 1	0s27	1 51	2 59	3 16	1 38	22 6	0 48	23 1	0 2	9 38	2 41	22 44	0 28	19 14	1 32	21 19	15 8	23 28	23 31	24 12	16 50	3 20
S 23	14 11	24 31	1 30	2 23	2 58	3 45	1 38	22 13	0 48	23 1	0 2	9 37	2 41	22 44	0 28	19 15	1 32	21 19	15 8	23 28	23 31	24 13	16 49	3 20
S 24	14 30	23 54	2 29	2 57	2 56	4 14	1 37	22 20	0 49	23 1	0 2	9 35	2 41	22 44	0 28	19 15	1 32	21 19	15 8	23 28	23 31	24 14	16 48	3 21
M25	14 48	22 12	3 22	3 31	2 53	4 42	1 37	22 28	0 49	23 1	0 2	9 34	2 41	22 45	0 28	19 15	1 32	21 19	15 8	23 28	23 31	24 14	16 47	3 21
T 26	15 6	19 29	4 7	4 7	2 50	5 11	1 36	22 34	0 50	23 1	0 2	9 32	2 41	22 45	0 28	19 16	1 32	21 18	15 9	23 28	23 31	24 15	16 46	3 21
W27	15 24	15 51	4 41	4 45	2 47	5 39	1 36	22 41	0 50	23 2	0 2	9 31	2 41	22 45	0 28	19 16	1 32	21 18	15 9	23 28	23 31	24 15	16 45	3 22
T 28	15 42	11 26	5 3	5 23	2 42	6 7	1 35	22 48	0 50	23 2	0 2	9 30	2 41	22 45	0 28	19 17	1 32	21 18	15 9	23 28	23 31	24 16	16 43	3 22
F 29	16 0	6 22	5 10	6 2	2 37	6 36	1 35	22 54	0 51	23 2	0 3	9 28	2 41	22 45	0 28	19 17	1 32	21 18	15 10	23 28	23 31	24 16	16 42	3 23
S 30	16n17	0s51	5s 0	6n42	2s32	7n 4	1s34	23n 0	0n51	23s 2	0s 3	9s27	2n40	22s45	0s28	19n18	1s32	21s18	15s10	23n28	23n31	24s17	16s41	3n23

Julian Day Number = 2112330.5, Delta T = 19m21s
Ecliptic obliquity = 23°33'36, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°47'37, Lahiri = 10°54'37 Julian Calendar 1 Apr. 1071 == Greg. Calendar 7 Apr. 1071

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1071
geocentric

MAY 1071 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 56 45	15♉30'15	23♈19	24♈50	22♈57	11♊20	12°R14	1°R 8	18°R25	2♊41	11♓21	24°R49	26♊19	6♑ 5	28°R41	S 1
M 2	15 0 42	16°27'55	7♉35	26°29	24°10	11°59	12♑13	1♏ 4	18♑24	2°43	11°21	24♊43	26°16	6°12	28♏37	M 2
T 3	15 4 38	17°25'34	22° 8	28°11	25°23	12°39	12°11	1° 0	18°23	2°45	11°22	24°39	26°12	6°18	28°33	T 3
W 4	15 8 35	18°23'12	6♊51	29°55	26°36	13°18	12° 9	0°55	18°23	2°48	11°23	24°36	26° 9	6°25	28°28	W 4
T 5	15 12 31	19°20'48	21°36	1♉41	27°49	13°57	12° 7	0°51	18°22	2°50	11°24	24°D35	26° 6	6°32	28°24	T 5
F 6	15 16 28	20°18'23	6♋19	3°30	29° 2	14°37	12° 5	0°47	18°21	2°52	11°24	24°35	26° 3	6°38	28°20	F 6
S 7	15 20 25	21°15'57	20°51	5°20	0♉15	15°16	12° 3	0°43	18°20	2°54	11°25	24°36	26° 0	6°45	28°16	S 7
S 8	15 24 21	22°13'29	5♌11	7°13	1°28	15°55	12° 1	0°39	18°19	2°56	11°26	24°38	25°57	6°52	28°11	S 8
M 9	15 28 18	23°10'59	19°15	9° 8	2°41	16°35	11°58	0°35	18°18	2°59	11°26	24°R38	25°53	6°58	28° 7	M 9
T 10	15 32 14	24° 8'28	3♍ 3	11° 5	3°54	17°14	11°55	0°31	18°17	3° 1	11°27	24°38	25°50	7° 5	28° 3	T 10
W11	15 36 11	25° 5'56	16°34	13° 4	5° 7	17°53	11°52	0°27	18°16	3° 3	11°28	24°37	25°47	7°12	27°59	W11
T 12	15 40 7	26° 3'22	29°50	15° 5	6°19	18°33	11°49	0°23	18°15	3° 5	11°28	24°34	25°44	7°18	27°54	T 12
F 13	15 44 4	27° 0'47	12♎51	17° 8	7°32	19°12	11°46	0°19	18°14	3° 7	11°29	24°30	25°41	7°25	27°50	F 13
S 14	15 48 0	27°58'11	25°38	19°12	8°45	19°51	11°42	0°16	18°12	3°10	11°29	24°26	25°37	7°31	27°46	S 14
S 15	15 51 57	28°55'34	8♏12	21°18	9°58	20°30	11°39	0°12	18°11	3°12	11°30	24°22	25°34	7°38	27°41	S 15
M16	15 55 54	29°52'56	20°34	23°26	11°12	21° 9	11°35	0° 8	18°10	3°14	11°30	24°18	25°31	7°45	27°37	M16
T 17	15 59 50	0♊50'17	2♐45	25°35	12°25	21°48	11°31	0° 5	18° 8	3°16	11°31	24°16	25°28	7°51	27°33	T 17
W18	16 3 47	1°47'37	14°47	27°45	13°38	22°27	11°27	0° 1	18° 7	3°19	11°31	24°14	25°25	7°58	27°29	W18
T 19	16 7 43	2°44'56	26°42	29°56	14°51	23° 6	11°22	29♎58	18° 6	3°21	11°32	24°D14	25°22	8° 5	27°24	T 19
F 20	16 11 40	3°42'14	8♑31	2♊ 8	16° 4	23°45	11°18	29°55	18° 4	3°23	11°32	24°15	25°18	8°11	27°20	F 20
S 21	16 15 36	4°39'32	20°19	4°20	17°17	24°24	11°13	29°51	18° 3	3°25	11°32	24°16	25°15	8°18	27°16	S 21
S 22	16 19 33	5°36'50	2♒ 8	6°32	18°30	25° 3	11° 8	29°48	18° 1	3°28	11°33	24°17	25°12	8°25	27°12	S 22
M23	16 23 30	6°34'06	14° 4	8°43	19°43	25°42	11° 3	29°45	18° 0	3°30	11°33	24°19	25° 9	8°31	27° 7	M23
T 24	16 27 26	7°31'23	26° 9	10°55	20°56	26°21	10°58	29°42	17°58	3°32	11°33	24°20	25° 6	8°38	27° 3	T 24
W25	16 31 23	8°28'39	8♓29	13° 5	22° 9	27° 0	10°53	29°39	17°56	3°34	11°34	24°R20	25° 3	8°45	26°59	W25
T 26	16 35 19	9°25'54	21° 8	15°15	23°22	27°39	10°48	29°36	17°55	3°37	11°34	24°20	24°59	8°51	26°55	T 26
F 27	16 39 16	10°23'09	4♈ 9	17°23	24°36	28°18	10°42	29°33	17°53	3°39	11°34	24°19	24°56	8°58	26°51	F 27
S 28	16 43 12	11°20'24	17°37	19°30	25°49	28°57	10°36	29°30	17°51	3°41	11°34	24°17	24°53	9° 5	26°47	S 28
S 29	16 47 9	12°17'38	1♉31	21°35	27° 2	29°36	10°30	29°27	17°49	3°43	11°35	24°16	24°50	9°11	26°43	S 29
M30	16 51 5	13°14'53	15°50	23°39	28°15	0♋15	10°24	29°25	17°48	3°45	11°35	24°15	24°47	9°18	26°39	M30
T 31	16 55 2	14♊12'07	0♊31	25♊41	29♉28	0♋53	10♑18	29♎22	17♑46	3♊48	11♓35	24♊14	24♊43	9♑24	26♏35	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n34	4n53	4s33	7n24	2s26	7n32	1s33	23n 6	0n51	23s 3	0s 3	9s25	2n40	22s45	0s28	19n18	1s32	21s18	15s10	23n27	23n30	24s18	16s40	3n23
M 2	16 51	10 31	3 48	8 6	2 20	7 59	1 32	23 12	0 52	23 3	0 3	9 24	2 40	22 45	0 28	19 19	1 32	21 18	15 11	23 27	23 30	24 18	16 39	3 23
T 3	17 7	15 42	2 48	8 49	2 13	8 27	1 31	23 17	0 52	23 3	0 3	9 22	2 40	22 45	0 28	19 19	1 32	21 18	15 11	23 27	23 30	24 19	16 37	3 24
W 4	17 23	20 0	1 35	9 33	2 5	8 54	1 30	23 23	0 52	23 3	0 3	9 21	2 40	22 46	0 28	19 19	1 32	21 18	15 11	23 27	23 30	24 19	16 36	3 24
T 5	17 39	23 1	0 16	10 17	1 58	9 22	1 29	23 28	0 53	23 4	0 3	9 20	2 40	22 46	0 28	19 20	1 32	21 18	15 12	23 27	23 30	24 20	16 35	3 24
F 6	17 55	24 28	1n 4	11 2	1 49	9 49	1 28	23 33	0 53	23 4	0 4	9 18	2 40	22 46	0 28	19 20	1 32	21 18	15 12	23 27	23 30	24 20	16 34	3 25
S 7	18 10	24 13	2 19	11 47	1 41	10 15	1 27	23 38	0 53	23 4	0 4	9 17	2 40	22 46	0 28	19 21	1 32	21 18	15 12	23 27	23 30	24 21	16 33	3 25
S 8	18 25	22 22	3 24	12 33	1 31	10 42	1 26	23 42	0 54	23 5	0 4	9 16	2 40	22 46	0 28	19 21	1 32	21 18	15 13	23 27	23 30	24 21	16 31	3 25
M 9	18 40	19 10	4 16	13 19	1 22	11 8	1 24	23 47	0 54	23 5	0 4	9 15	2 39	22 46	0 28	19 22	1 32	21 19	15 13	23 27	23 30	24 22	16 30	3 25
T 10	18 54	14 58	4 51	14 5	1 12	11 35	1 23	23 51	0 54	23 6	0 4	9 13	2 39	22 46	0 28	19 22	1 32	21 19	15 14	23 27	23 30	24 22	16 29	3 26
W11	19 8	10 5	5 10	14 51	1 2	12 0	1 22	23 55	0 55	23 6	0 4	9 12	2 39	22 47	0 28	19 22	1 32	21 19	15 14	23 27	23 30	24 23	16 28	3 26
T 12	19 22	4 50	5 12	15 37	0 52	12 26	1 20	23 59	0 55	23 6	0 5	9 11	2 39	22 47	0 29	19 23	1 32	21 19	15 14	23 27	23 29	24 23	16 27	3 26
F 13	19 35	0s32	4 57	16 22	0 41	12 51	1 19	24 2	0 55	23 7	0 5	9 10	2 39	22 47	0 29	19 23	1 32	21 19	15 15	23 27	23 29	24 24	16 25	3 26
S 14	19 48	5 48	4 28	17 7	0 31	13 16	1 17	24 6	0 56	23 7	0 5	9 9	2 39	22 47	0 29	19 24	1 32	21 19	15 15	23 27	23 29	24 24	16 24	3 27
S 15	20 1	10 44	3 47	17 52	0 20	13 41	1 16	24 9	0 56	23 8	0 5	9 7	2 39	22 47	0 29	19 24	1 32	21 19	15 15	23 26	23 29	24 25	16 23	3 27
M16	20 14	15 10	2 55	18 35	0 9	14 6	1 14	24 12	0 56	23 8	0 5	9 6	2 38	22 48	0 29	19 25	1 32	21 19	15 16	23 26	23 29	24 25	16 22	3 27
T 17	20 26	18 56	1 56	19 17	0n 2	14 30	1 12	24 15	0 57	23 9	0 5	9 5	2 38	22 48	0 29	19 25	1 32	21 19	15 16	23 26	23 29	24 26	16 21	3 27
W18	20 37	21 50	0 52	19 58	0 12	14 53	1 10	24 17	0 57	23 9	0 5	9 4	2 38	22 48	0 29	19 26	1 32	21 20	15 16	23 26	23 29	24 26	16 20	3 28
T 19	20 49	23 45	0s14	20 37	0 23	15 17	1 9	24 20	0 57	23 10	0 6	9 3	2 38	22 48	0 29	19 26	1 32	21 20	15 17	23 26	23 29	24 27	16 18	3 28
F 20	21 0	24 35	1 18	21 14	0 33	15 40	1 7	24 22	0 57	23 10	0 6	9 2	2 38	22 48	0 29	19 26	1 32	21 20	15 17	23 26	23 29	24 27	16 17	3 28
S 21	21 11	24 18	2 19	21 49	0 43	16 2	1 5	24 24	0 58	23 11	0 6	9 1	2 38	22 49	0 29	19 27	1 32	21 20	15 17	23 26	23 28	24 28	16 16	3 28
S 22	21 21	22 56	3 15	22 22	0 52	16 25	1 3	24 26	0 58	23 11	0 6	9 0	2 37	22 49	0 29	19 27	1 32	21 20	15 18	23 26	23 28	24 28	16 15	3 28
M23	21 31	20 33	4 2	22 52	1 1	16 46	1 1	24 28	0 58	23 12	0 6	8 59	2 37	22 49	0 29	19 28	1 32	21 21	15 18	23 26	23 28	24 28	16 14	3 28
T 24	21 40	17 14	4 39	23 21	1 10	17 8	0 59	24 29	0 59	23 13	0 6	8 58	2 37	22 49	0 29	19 28	1 32	21 21	15 19	23 26	23 28	24 29	16 13	3 29
W25	21 50	13 8	5 5	23 46	1 18	17 29	0 57	24 30	0 59	23 13	0 7	8 58	2 37	22 50	0 29	19 29	1 31	21 21	15 19	23 26	23 28	24 29	16 12	3 29
T 26	21 59	8 22	5 16	24 9	1 25	17 49	0 55	24 31	0 59	23 14	0 7	8 57	2 37	22 50	0 29	19 29	1 31	21 21	15 19	23 26	23 28	24 30	16 11	3 29
F 27	22 7	3 7	5 12	24 29	1 31	18 10	0 53	24 32	0 59	23 14	0 7	8 56	2 36	22 50	0 29	19 29	1 31	21 21	15 20	23 26	23 28	24 30	16 10	3 29
S 28	22 15	2n28	4 51	24 46	1 37	18 29	0 51	24 33	1 0	23 15	0 7	8 55	2 36	22 50	0 29	19 30	1 31	21 22	15 20	23 26	23 28	24 31	16 9	3 29
S 29	22 23	8 7	4 12	25 0	1 43	18 48	0 49	24 33	1 0	23 16	0 7	8 54	2 36	22 51	0 29	19 30	1 31	21 22	15 20	23 26	23 27	24 31	16 7	3 29
M30	22 30	13 31	3 17	25 12	1 47	19 7	0 46	24 34	1 0	23 16	0 7	8 54	2 36	22 51	0 29	19 31	1 31	21 22	15 21	23 26	23 27	24 31	16 6	3 29
T 31	22n37	18n17	2s 8	25n20	1n51	19n25	0s44	24n34	1n 0	23s17	0s 7	8s53	2n35	22s51	0s29	19n31	1s31	21s23	15s21	23n26	23n27	24s32	16s 5	3n30

Julian Day Number = 2112360.5, Delta T = 19m20s
Ecliptic obliquity = 23°33'35, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°47'41, Lahiri = 10°54'41 Julian Calendar 1 May 1071 == Greg. Calendar 7 May 1071

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1071
geocentric

JUNE 1071 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 58 59	15♊ 9'21	15♊28	27♊40	0♊42	1♋32	10°R12	29°R20	17°R44	3♊50	11♓35	24°R13	24♊40	9♉31	26°R31	W 1
T 2	17 2 55	16° 6'34	0♋31	29°38	1°55	2°11	10♉ 6	29♎17	17♉42	3°52	11°35	24°D13	24°37	9°38	26♏27	T 2
F 3	17 6 52	17° 3'47	15°34	1♋34	3° 8	2°50	9°59	29°15	17°40	3°54	11°35	24♊13	24°34	9°44	26°23	F 3
S 4	17 10 48	18° 0'59	0♌27	3°28	4°21	3°29	9°53	29°13	17°38	3°56	11°35	24°14	24°31	9°51	26°19	S 4
S 5	17 14 45	18°58'11	15° 4	5°19	5°35	4° 7	9°46	29°11	17°36	3°59	11°35	24°14	24°28	9°58	26°16	S 5
M 6	17 18 41	19°55'22	29°20	7° 9	6°48	4°46	9°39	29° 9	17°34	4° 1	11°R35	24°15	24°24	10° 4	26°12	M 6
T 7	17 22 38	20°52'33	13♍13	8°56	8° 1	5°25	9°33	29° 7	17°32	4° 3	11°35	24°15	24°21	10°11	26° 8	T 7
W 8	17 26 34	21°49'43	26°44	10°41	9°15	6° 3	9°26	29° 5	17°30	4° 5	11°35	24°R15	24°18	10°18	26° 5	W 8
T 9	17 30 31	22°46'53	9♎52	12°24	10°28	6°42	9°19	29° 3	17°28	4° 7	11°35	24°15	24°15	10°24	26° 1	T 9
F 10	17 34 28	23°44'02	22°42	14° 4	11°41	7°21	9°12	29° 1	17°26	4° 9	11°35	24°D15	24°12	10°31	25°58	F 10
S 11	17 38 24	24°41'11	5♏14	15°43	12°55	7°59	9° 4	29° 0	17°24	4°12	11°35	24°15	24° 8	10°38	25°54	S 11
S 12	17 42 21	25°38'19	17°33	17°19	14° 8	8°38	8°57	28°58	17°21	4°14	11°35	24°15	24° 5	10°44	25°51	S 12
M13	17 46 17	26°35'28	29°41	18°53	15°22	9°17	8°50	28°57	17°19	4°16	11°35	24°15	24° 2	10°51	25°48	M13
T 14	17 50 14	27°32'36	11♐41	20°24	16°35	9°55	8°42	28°56	17°17	4°18	11°35	24°15	23°59	10°58	25°44	T 14
W15	17 54 10	28°29'44	23°34	21°54	17°48	10°34	8°35	28°54	17°15	4°20	11°35	24°R15	23°56	11° 4	25°41	W15
T 16	17 58 7	29°26'53	5♑24	23°21	19° 2	11°12	8°27	28°53	17°13	4°22	11°34	24°15	23°53	11°11	25°38	T 16
F 17	18 2 3	0♒24'01	17°12	24°45	20°15	11°51	8°20	28°52	17°10	4°24	11°34	24°15	23°49	11°18	25°35	F 17
S 18	18 6 0	1°21'10	29° 1	26° 8	21°29	12°29	8°12	28°51	17° 8	4°26	11°34	24°14	23°46	11°24	25°32	S 18
S 19	18 9 57	2°18'18	10♓53	27°28	22°42	13° 8	8° 5	28°50	17° 6	4°28	11°34	24°13	23°43	11°31	25°29	S 19
M20	18 13 53	3°15'28	22°52	28°46	23°56	13°46	7°57	28°50	17° 4	4°30	11°33	24°12	23°40	11°38	25°26	M20
T 21	18 17 50	4°12'37	5♈ 0	0♌ 1	25° 9	14°25	7°49	28°49	17° 1	4°32	11°33	24°11	23°37	11°44	25°24	T 21
W22	18 21 46	5° 9'47	17°21	1°13	26°23	15° 3	7°42	28°48	16°59	4°34	11°33	24°10	23°34	11°51	25°21	W22
T 23	18 25 43	6° 6'58	29°59	2°23	27°37	15°42	7°34	28°48	16°57	4°36	11°32	24° 9	23°30	11°57	25°18	T 23
F 24	18 29 39	7° 4'09	12♈56	3°31	28°50	16°20	7°26	28°48	16°54	4°38	11°32	24°D 9	23°27	12° 4	25°16	F 24
S 25	18 33 36	8° 1'20	26°17	4°35	0♋ 4	16°59	7°18	28°47	16°52	4°40	11°31	24°10	23°24	12°11	25°13	S 25
S 26	18 37 32	8°58'33	10♉ 3	5°37	1°18	17°37	7°11	28°47	16°49	4°42	11°31	24°11	23°21	12°17	25°11	S 26
M27	18 41 29	9°55'46	24°15	6°36	2°31	18°15	7° 3	28°D47	16°47	4°44	11°30	24°12	23°18	12°24	25° 9	M27
T 28	18 45 26	10°53'00	8♊51	7°32	3°45	18°54	6°55	28°47	16°45	4°46	11°30	24°13	23°14	12°31	25° 7	T 28
W29	18 49 22	11°50'15	23°47	8°25	4°59	19°32	6°48	28°47	16°42	4°48	11°30	24°R13	23°11	12°37	25° 4	W29
T 30	18 53 19	12♋47'30	8♋55	9♌14	6♋12	20♋11	6♉40	28♎47	16♉40	4♊50	11♓29	24♊13	23♊ 8	12♉44	25♏ 2	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n44	21n58	0s48	25n26	1n54	19n43	0s42	24n34	1n 1	23s18	0s 8	8s52	2n35	22s51	0s29	19n31	1s32	21s23	15s22	23n26	23n27	24s32	16s 4	3n30
T 2	22 50	24 8	0n35	25 30	1 56	20 0	0 40	24 33	1 1	23 18	0 8	8 52	2 35	22 52	0 29	19 32	1 32	21 23	15 22	23 26	23 27	24 32	16 3	3 30
F 3	22 56	24 34	1 56	25 31	1 58	20 17	0 37	24 33	1 1	23 19	0 8	8 51	2 35	22 52	0 29	19 32	1 32	21 23	15 22	23 26	23 27	24 33	16 2	3 30
S 4	23 1	23 13	3 8	25 30	1 59	20 33	0 35	24 32	1 1	23 19	0 8	8 50	2 35	22 52	0 29	19 33	1 32	21 24	15 23	23 26	23 27	24 33	16 2	3 30
S 5	23 6	20 19	4 7	25 26	1 59	20 48	0 33	24 31	1 1	23 20	0 8	8 50	2 34	22 53	0 29	19 33	1 32	21 24	15 23	23 26	23 27	24 34	16 1	3 30
M 6	23 11	16 15	4 48	25 20	1 59	21 3	0 30	24 30	1 2	23 21	0 8	8 49	2 34	22 53	0 29	19 33	1 32	21 24	15 23	23 26	23 26	24 34	16 0	3 30
T 7	23 15	11 25	5 12	25 13	1 58	21 18	0 28	24 29	1 2	23 21	0 9	8 49	2 34	22 53	0 29	19 34	1 32	21 25	15 24	23 26	23 26	24 34	15 59	3 30
W 8	23 18	6 9	5 17	25 3	1 56	21 32	0 26	24 27	1 2	23 22	0 9	8 49	2 34	22 53	0 29	19 34	1 32	21 25	15 24	23 26	23 26	24 35	15 58	3 30
T 9	23 22	0 45	5 6	24 51	1 53	21 45	0 23	24 26	1 2	23 23	0 9	8 48	2 33	22 54	0 29	19 35	1 32	21 25	15 25	23 26	23 26	24 35	15 57	3 30
F 10	23 25	4s33	4 39	24 38	1 50	21 58	0 21	24 24	1 3	23 23	0 9	8 48	2 33	22 54	0 29	19 35	1 32	21 26	15 25	23 26	23 26	24 35	15 56	3 30
S 11	23 27	9 34	4 0	24 23	1 46	22 10	0 18	24 22	1 3	23 24	0 9	8 47	2 33	22 54	0 29	19 35	1 32	21 26	15 25	23 26	23 26	24 35	15 55	3 30
S 12	23 29	14 7	3 10	24 7	1 42	22 21	0 16	24 19	1 3	23 25	0 9	8 47	2 33	22 55	0 29	19 36	1 32	21 27	15 26	23 26	23 26	24 36	15 55	3 30
M13	23 31	18 2	2 12	23 49	1 37	22 32	0 13	24 17	1 3	23 25	0 10	8 47	2 32	22 55	0 29	19 36	1 32	21 27	15 26	23 26	23 25	24 36	15 54	3 30
T 14	23 32	21 9	1 9	23 30	1 31	22 42	0 11	24 14	1 3	23 26	0 10	8 47	2 32	22 55	0 29	19 37	1 32	21 27	15 26	23 26	23 25	24 36	15 53	3 30
W15	23 33	23 20	0 4	23 10	1 25	22 51	0 9	24 12	1 4	23 27	0 10	8 46	2 32	22 55	0 29	19 37	1 32	21 28	15 27	23 26	23 25	24 37	15 52	3 30
T 16	23 34	24 28	1s 1	22 49	1 19	23 0	0 6	24 9	1 4	23 27	0 10	8 46	2 32	22 56	0 29	19 37	1 32	21 28	15 27	23 26	23 25	24 37	15 51	3 30
F 17	23 34	24 30	2 4	22 27	1 12	23 8	0 4	24 5	1 4	23 28	0 10	8 46	2 31	22 56	0 29	19 38	1 32	21 29	15 27	23 26	23 25	24 37	15 51	3 30
S 18	23 33	23 25	3 1	22 4	1 4	23 16	0 1	24 2	1 4	23 29	0 10	8 46	2 31	22 56	0 29	19 38	1 32	21 29	15 28	23 26	23 25	24 37	15 50	3 30
S 19	23 32	21 17	3 51	21 41	0 56	23 23	0n 1	23 58	1 4	23 29	0 10	8 46	2 31	22 57	0 29	19 38	1 32	21 29	15 28	23 26	23 25	24 38	15 49	3 30
M20	23 31	18 13	4 31	21 17	0 47	23 29	0 4	23 55	1 4	23 30	0 11	8 46	2 31	22 57	0 29	19 39	1 32	21 30	15 29	23 26	23 24	24 38	15 49	3 30
T 21	23 30	14 22	4 59	20 52	0 38	23 34	0 6	23 51	1 5	23 30	0 11	8 46	2 30	22 57	0 29	19 39	1 32	21 30	15 29	23 26	23 24	24 38	15 48	3 30
W22	23 27	9 51	5 15	20 27	0 28	23 39	0 8	23 47	1 5	23 31	0 11	8 46	2 30	22 58	0 29	19 39	1 32	21 31	15 29	23 26	23 24	24 38	15 48	3 30
T 23	23 25	4 49	5 15	20 2	0 18	23 43	0 11	23 42	1 5	23 32	0 11	8 46	2 30	22 58	0 29	19 40	1 32	21 31	15 30	23 26	23 24	24 39	15 47	3 30
F 24	23 22	0n32	5 0	19 36	0 8	23 46	0 13	23 38	1 5	23 32	0 11	8 46	2 29	22 58	0 29	19 40	1 32	21 32	15 30	23 26	23 24	24 39	15 46	3 30
S 25	23 19	6 1	4 29	19 10	0s 3	23 49	0 15	23 33	1 5	23 33	0 11	8 46	2 29	22 59	0 29	19 40	1 32	21 32	15 30	23 26	23 24	24 39	15 46	3 30
S 26	23 15	11 25	3 41	18 44	0 14	23 51	0 18	23 28	1 5	23 33	0 11	8 47	2 29	22 59	0 29	19 41	1 32	21 33	15 31	23 26	23 24	24 39	15 45	3 30
M27	23 11	16 22	2 38	18 18	0 25	23 52	0 20	23 23	1 6	23 34	0 12	8 47	2 29	22 59	0 29	19 41	1 32	21 33	15 31	23 26	23 23	24 40	15 45	3 30
T 28	23 7	20 30	1 24	17 53	0 37	23 53	0 22	23 18	1 6	23 34	0 12	8 47	2 28	22 59	0 29	19 41	1 32	21 34	15 31	23 26	23 23	24 40	15 44	3 30
W29	23 2	23 22	0 2	17 28	0 49	23 53	0 25	23 13	1 6	23 35	0 12	8 47	2 28	23 0	0 29	19 42	1 32	21 34	15 32	23 26	23 23	24 40	15 44	3 30
T 30	22n56	24n36	1n20	17n 3	1s 2	23n52	0n27	23n 7	1n 6	23s35	0s12	8s48	2n28	23s 0	0s29	19n42	1s32	21s35	15s32	23n26	23n23	24s40	15s43	3n30

Julian Day Number = 2112391.5, Delta T = 19m20s
Ecliptic obliquity = 23°33'35, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°47'45, Lahiri = 10°54'46 Julian Calendar 1 June 1071 == Greg. Calendar 7 June 1071

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1071
geocentric

JULY 1071 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 57 15	13♋44'46	24♋ 8	10♌ 0	7♋26	20♋49	6°R32	28♎48	16°R38	4♊51	11°R28	24°R12	23♊ 5	12♑51	25°R 0	F 1
S 2	19 1 12	14°42'02	9♌14	10°42	8°40	21°27	6♑25	28°48	16♑35	4°53	11♓28	24♊ 9	23° 2	12°57	24♏59	S 2
S 3	19 5 8	15°39'19	24° 5	11°21	9°54	22° 6	6°17	28°49	16°33	4°55	11°27	24° 7	22°59	13° 4	24°57	S 3
M 4	19 9 5	16°36'36	8♍34	11°56	11° 7	22°44	6°10	28°49	16°30	4°57	11°27	24° 4	22°55	13°11	24°55	M 4
T 5	19 13 2	17°33'53	22°37	12°27	12°21	23°23	6° 2	28°50	16°28	4°59	11°26	24° 1	22°52	13°17	24°54	T 5
W 6	19 16 58	18°31'11	6♎13	12°53	13°35	24° 1	5°55	28°51	16°26	5° 0	11°26	24° 0	22°49	13°24	24°52	W 6
T 7	19 20 55	19°28'29	19°23	13°15	14°49	24°39	5°47	28°52	16°23	5° 2	11°25	23°D59	22°46	13°31	24°51	T 7
F 8	19 24 51	20°25'48	2♏ 8	13°33	16° 3	25°18	5°40	28°53	16°21	5° 4	11°24	24° 0	22°43	13°37	24°49	F 8
S 9	19 28 48	21°23'07	14°35	13°46	17°17	25°56	5°33	28°54	16°18	5° 6	11°23	24° 1	22°40	13°44	24°48	S 9
S 10	19 32 44	22°20'27	26°45	13°54	18°31	26°34	5°26	28°55	16°16	5° 7	11°23	24° 3	22°36	13°51	24°47	S 10
M11	19 36 41	23°17'48	8♐45	13°R57	19°45	27°12	5°19	28°56	16°14	5° 9	11°22	24° 4	22°33	13°57	24°46	M11
T 12	19 40 37	24°15'09	20°37	13°54	20°59	27°51	5°12	28°58	16°11	5°10	11°21	24°R 5	22°30	14° 4	24°45	T 12
W13	19 44 34	25°12'31	2♑26	13°47	22°12	28°29	5° 5	28°59	16° 9	5°12	11°21	24° 5	22°27	14°11	24°44	W13
T 14	19 48 31	26° 9'54	14°14	13°35	23°26	29° 7	4°58	29° 1	16° 6	5°14	11°20	24° 3	22°24	14°17	24°43	T 14
F 15	19 52 27	27° 7'18	26° 3	13°17	24°40	29°45	4°52	29° 2	16° 4	5°15	11°19	24° 0	22°20	14°24	24°43	F 15
S 16	19 56 24	28° 4'42	7♒57	12°54	25°54	0♌24	4°45	29° 4	16° 2	5°17	11°18	23°55	22°17	14°31	24°42	S 16
S 17	20 0 20	29° 2'08	19°56	12°26	27° 8	1° 2	4°39	29° 6	15°59	5°18	11°17	23°49	22°14	14°37	24°42	S 17
M18	20 4 17	29°59'35	2♓ 3	11°54	28°23	1°40	4°32	29° 8	15°57	5°20	11°16	23°43	22°11	14°44	24°41	M18
T 19	20 8 13	0♌57'03	14°19	11°17	29°37	2°18	4°26	29°10	15°55	5°21	11°16	23°37	22° 8	14°51	24°41	T 19
W20	20 12 10	1°54'33	26°47	10°37	0♌51	2°57	4°20	29°12	15°53	5°22	11°15	23°31	22° 5	14°57	24°41	W20
T 21	20 16 6	2°52'03	9♈28	9°53	2° 5	3°35	4°14	29°14	15°50	5°24	11°14	23°27	22° 1	15° 4	24°41	T 21
F 22	20 20 3	3°49'36	22°26	9° 7	3°19	4°13	4° 8	29°17	15°48	5°25	11°13	23°25	21°58	15°11	24°D41	F 22
S 23	20 24 0	4°47'09	5♉42	8°18	4°33	4°51	4° 3	29°19	15°46	5°27	11°12	23°D25	21°55	15°17	24°41	S 23
S 24	20 27 56	5°44'45	19°20	7°29	5°47	5°30	3°57	29°22	15°44	5°28	11°11	23°25	21°52	15°24	24°41	S 24
M25	20 31 53	6°42'21	3♊20	6°40	7° 1	6° 8	3°52	29°24	15°41	5°29	11°10	23°26	21°49	15°30	24°41	M25
T 26	20 35 49	7°40'00	17°42	5°51	8°16	6°46	3°46	29°27	15°39	5°30	11° 9	23°R27	21°46	15°37	24°42	T 26
W27	20 39 46	8°37'40	2♋25	5° 4	9°30	7°24	3°41	29°30	15°37	5°32	11° 8	23°27	21°42	15°44	24°42	W27
T 28	20 43 42	9°35'22	17°23	4°20	10°44	8° 3	3°36	29°32	15°35	5°33	11° 7	23°25	21°39	15°50	24°43	T 28
F 29	20 47 39	10°33'05	2♌29	3°40	11°58	8°41	3°32	29°35	15°33	5°34	11° 6	23°21	21°36	15°57	24°43	F 29
S 30	20 51 35	11°30'49	17°35	3° 4	13°13	9°19	3°27	29°38	15°31	5°35	11° 5	23°15	21°33	16° 4	24°44	S 30
S 31	20 55 32	12♌28'35	2♍30	2♌34	14♌27	9♌57	3♑22	29♎42	15♑29	5♊36	11♓ 4	23♊ 8	21♊30	16♑10	24♏45	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n51	23n59	2n38	16n38	1s14	23n50	0n29	23n 2	1n 6	23s36	0s12	8s48	2n28	23s 0	0s29	19n42	1s32	21s35	15s32	23n26	23n23	24s40	15s43	3n30
S 2	22 45	21 37	3 44	16 14	1 27	23 48	0 31	22 56	1 6	23 37	0 12	8 48	2 27	23 1	0 29	19 43	1 32	21 36	15 33	23 26	23 23	24 40	15 43	3 30
S 3	22 38	17 51	4 33	15 51	1 40	23 45	0 34	22 50	1 6	23 37	0 12	8 49	2 27	23 1	0 29	19 43	1 32	21 36	15 33	23 26	23 22	24 41	15 42	3 30
M 4	22 31	13 5	5 4	15 29	1 54	23 41	0 36	22 44	1 7	23 38	0 13	8 49	2 27	23 1	0 29	19 43	1 32	21 37	15 33	23 26	23 22	24 41	15 42	3 30
T 5	22 24	7 45	5 15	15 7	2 7	23 37	0 38	22 37	1 7	23 38	0 13	8 50	2 27	23 2	0 29	19 44	1 32	21 37	15 34	23 25	23 22	24 41	15 42	3 30
W 6	22 16	2 14	5 8	14 47	2 20	23 32	0 40	22 31	1 7	23 38	0 13	8 50	2 26	23 2	0 30	19 44	1 32	21 38	15 34	23 25	23 22	24 41	15 41	3 30
T 7	22 8	3s14	4 45	14 28	2 34	23 26	0 42	22 24	1 7	23 39	0 13	8 51	2 26	23 2	0 30	19 44	1 32	21 38	15 34	23 25	23 22	24 41	15 41	3 29
F 8	22 0	8 24	4 8	14 10	2 47	23 19	0 44	22 17	1 7	23 39	0 13	8 52	2 26	23 3	0 30	19 44	1 32	21 39	15 35	23 25	23 21	24 41	15 41	3 29
S 9	21 51	13 6	3 20	13 54	3 0	23 12	0 46	22 10	1 7	23 40	0 13	8 52	2 25	23 3	0 30	19 45	1 32	21 39	15 35	23 25	23 21	24 42	15 41	3 29
S 10	21 42	17 11	2 25	13 39	3 13	23 4	0 48	22 3	1 7	23 40	0 13	8 53	2 25	23 3	0 30	19 45	1 32	21 40	15 35	23 26	23 21	24 42	15 41	3 29
M11	21 32	20 30	1 23	13 26	3 26	22 55	0 50	21 55	1 7	23 41	0 14	8 54	2 25	23 3	0 30	19 45	1 32	21 41	15 35	23 26	23 21	24 42	15 40	3 29
T 12	21 22	22 55	0 19	13 15	3 38	22 46	0 52	21 48	1 8	23 41	0 14	8 54	2 25	23 4	0 30	19 45	1 32	21 41	15 36	23 26	23 21	24 42	15 40	3 29
W13	21 12	24 18	0s46	13 6	3 50	22 36	0 54	21 40	1 8	23 42	0 14	8 55	2 24	23 4	0 30	19 46	1 32	21 42	15 36	23 26	23 21	24 42	15 40	3 29
T 14	21 1	24 35	1 48	12 59	4 1	22 26	0 56	21 32	1 8	23 42	0 14	8 56	2 24	23 4	0 30	19 46	1 32	21 42	15 36	23 26	23 20	24 42	15 40	3 29
F 15	20 50	23 46	2 46	12 54	4 11	22 14	0 57	21 25	1 8	23 42	0 14	8 57	2 24	23 5	0 30	19 46	1 32	21 43	15 37	23 25	23 20	24 42	15 40	3 29
S 16	20 39	21 52	3 37	12 52	4 20	22 2	0 59	21 16	1 8	23 43	0 14	8 58	2 24	23 5	0 30	19 46	1 32	21 43	15 37	23 25	23 20	24 42	15 40	3 28
S 17	20 27	18 59	4 18	12 52	4 28	21 50	1 1	21 8	1 8	23 43	0 14	8 59	2 23	23 5	0 30	19 47	1 32	21 44	15 37	23 25	23 20	24 42	15 40	3 28
M18	20 15	15 17	4 49	12 54	4 35	21 36	1 2	21 0	1 8	23 43	0 14	9 0	2 23	23 5	0 30	19 47	1 32	21 45	15 37	23 25	23 20	24 42	15 40	3 28
T 19	20 3	10 54	5 6	12 58	4 41	21 23	1 4	20 51	1 8	23 44	0 15	9 0	2 23	23 6	0 30	19 47	1 33	21 45	15 38	23 24	23 19	24 42	15 40	3 28
W20	19 50	6 1	5 10	13 5	4 45	21 8	1 5	20 42	1 8	23 44	0 15	9 1	2 23	23 6	0 30	19 47	1 33	21 46	15 38	23 24	23 19	24 43	15 40	3 28
T 21	19 37	0 48	4 59	13 14	4 48	20 53	1 7	20 34	1 8	23 44	0 15	9 2	2 22	23 6	0 30	19 48	1 33	21 46	15 38	23 24	23 19	24 43	15 40	3 28
F 22	19 24	4n34	4 32	13 26	4 48	20 37	1 8	20 24	1 8	23 45	0 15	9 4	2 22	23 7	0 30	19 48	1 33	21 47	15 38	23 24	23 19	24 43	15 40	3 28
S 23	19 10	9 52	3 50	13 39	4 47	20 21	1 10	20 15	1 9	23 45	0 15	9 5	2 22	23 7	0 30	19 48	1 33	21 47	15 39	23 24	23 19	24 43	15 41	3 28
S 24	18 56	14 51	2 54	13 54	4 44	20 4	1 11	20 6	1 9	23 45	0 15	9 6	2 21	23 7	0 30	19 48	1 33	21 48	15 39	23 24	23 19	24 43	15 41	3 27
M25	18 41	19 11	1 47	14 11	4 40	19 47	1 12	19 57	1 9	23 45	0 15	9 7	2 21	23 7	0 30	19 48	1 33	21 49	15 39	23 24	23 18	24 43	15 41	3 27
T 26	18 27	22 28	0 31	14 29	4 33	19 28	1 14	19 47	1 9	23 46	0 15	9 8	2 21	23 8	0 30	19 48	1 33	21 49	15 39	23 24	23 18	24 43	15 41	3 27
W27	18 12	24 21	0n48	14 49	4 25	19 10	1 15	19 37	1 9	23 46	0 15	9 9	2 21	23 8	0 30	19 49	1 33	21 50	15 40	23 24	23 18	24 43	15 41	3 27
T 28	17 56	24 30	2 6	15 9	4 15	18 51	1 16	19 27	1 9	23 46	0 16	9 11	2 20	23 8	0 30	19 49	1 33	21 50	15 40	23 24	23 18	24 43	15 42	3 27
F 29	17 41	22 52	3 15	15 30	4 3	18 31	1 17	19 17	1 9	23 46	0 16	9 12	2 20	23 8	0 30	19 49	1 33	21 51	15 40	23 24	23 18	24 43	15 42	3 27
S 30	17 25	19 36	4 10	15 50	3 50	18 11	1 18	19 7	1 9	23 47	0 16	9 13	2 20	23 9	0 30	19 49	1 33	21 52	15 40	23 23	23 17	24 43	15 42	3 27
S 31	17n 9	15n 6	4n48	16n11	3s35	17n50	1n19	18n57	1n 9	23s47	0s16	9s14	2n20	23s 9	0s30	19n49	1s33	21s52	15s40	23n23	23n17	24s43	15s43	3n26

Julian Day Number = 2112421.5, Delta T = 19m20s
Ecliptic obliquity = 23°33'35, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°47'49, Lahiri = 10°54'50 Julian Calendar 1 July 1071 == Greg. Calendar 7 July 1071

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1071
geocentric

AUGUST 1071 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 59 29	13♌26'22	17♍ 5	2°R10	15♌41	10♌35	3°R18	29♎45	15°R27	5♊37	11°R 3	23°R 0	21♊26	16♑17	24♏46	M 1
T 2	21 3 25	14°24'10	1♎15	1♌52	16°56	11°14	3♑14	29°48	15♑25	5°38	11♓ 2	22♊53	21°23	16°24	24°47	T 2
W 3	21 7 22	15°22'00	14°57	1°41	18°10	11°52	3°10	29°51	15°23	5°40	11° 1	22°47	21°20	16°30	24°48	W 3
T 4	21 11 18	16°19'51	28°11	1°D38	19°24	12°30	3° 6	29°55	15°21	5°41	11° 0	22°44	21°17	16°37	24°49	T 4
F 5	21 15 15	17°17'43	10♏58	1°42	20°39	13° 8	3° 2	29°58	15°19	5°41	10°59	22°42	21°14	16°44	24°51	F 5
S 6	21 19 11	18°15'36	23°24	1°55	21°53	13°46	2°59	0♏ 2	15°17	5°42	10°58	22°D42	21°11	16°50	24°52	S 6
S 7	21 23 8	19°13'31	5♐32	2°15	23° 7	14°25	2°56	0° 6	15°15	5°43	10°56	22°43	21° 7	16°57	24°54	S 7
M 8	21 27 4	20°11'27	17°29	2°43	24°22	15° 3	2°53	0° 9	15°13	5°44	10°55	22°R44	21° 4	17° 4	24°56	M 8
T 9	21 31 1	21° 9'24	29°18	3°20	25°36	15°41	2°50	0°13	15°11	5°45	10°54	22°44	21° 1	17°10	24°57	T 9
W10	21 34 58	22° 7'23	11♑ 6	4° 4	26°50	16°19	2°47	0°17	15°10	5°46	10°53	22°42	20°58	17°17	24°59	W10
T 11	21 38 54	23° 5'24	22°55	4°55	28° 5	16°57	2°44	0°21	15° 8	5°47	10°52	22°38	20°55	17°24	25° 1	T 11
F 12	21 42 51	24° 3'26	4♒49	5°54	29°19	17°36	2°42	0°25	15° 6	5°47	10°51	22°31	20°52	17°30	25° 3	F 12
S 13	21 46 47	25° 1'29	16°50	7° 0	0♍34	18°14	2°40	0°30	15° 4	5°48	10°50	22°22	20°48	17°37	25° 5	S 13
S 14	21 50 44	25°59'35	29° 0	8°12	1°48	18°52	2°38	0°34	15° 3	5°49	10°48	22°11	20°45	17°44	25° 7	S 14
M15	21 54 40	26°57'41	11♓20	9°30	3° 3	19°30	2°36	0°38	15° 1	5°50	10°47	21°59	20°42	17°50	25°10	M15
T 16	21 58 37	27°55'50	23°51	10°54	4°17	20° 8	2°34	0°43	15° 0	5°50	10°46	21°48	20°39	17°57	25°12	T 16
W17	22 2 33	28°54'01	6♈32	12°23	5°32	20°47	2°33	0°47	14°58	5°51	10°45	21°37	20°36	18° 4	25°15	W17
T 18	22 6 30	29°52'13	19°26	13°56	6°46	21°25	2°31	0°52	14°57	5°51	10°44	21°29	20°32	18°10	25°17	T 18
F 19	22 10 27	0♍50'28	2♉32	15°34	8° 1	22° 3	2°30	0°56	14°55	5°52	10°43	21°24	20°29	18°17	25°20	F 19
S 20	22 14 23	1°48'45	15°51	17°15	9°15	22°41	2°30	1° 1	14°54	5°52	10°41	21°21	20°26	18°24	25°23	S 20
S 21	22 18 20	2°47'03	29°26	18°59	10°30	23°19	2°29	1° 6	14°52	5°53	10°40	21°D19	20°23	18°30	25°25	S 21
M22	22 22 16	3°45'25	13♊17	20°45	11°44	23°58	2°28	1°10	14°51	5°53	10°39	21°20	20°20	18°37	25°28	M22
T 23	22 26 13	4°43'48	27°25	22°34	12°59	24°36	2°28	1°15	14°50	5°54	10°38	21°R20	20°17	18°44	25°31	T 23
W24	22 30 9	5°42'14	11♋50	24°24	14°13	25°14	2°D28	1°20	14°49	5°54	10°36	21°18	20°13	18°50	25°34	W24
T 25	22 34 6	6°40'41	26°28	26°15	15°28	25°52	2°28	1°25	14°47	5°54	10°35	21°15	20°10	18°57	25°38	T 25
F 26	22 38 2	7°39'11	11♌16	28° 7	16°42	26°31	2°28	1°30	14°46	5°55	10°34	21° 8	20° 7	19° 4	25°41	F 26
S 27	22 41 59	8°37'43	26° 5	29°59	17°57	27° 9	2°29	1°35	14°45	5°55	10°33	20°59	20° 4	19°10	25°44	S 27
S 28	22 45 56	9°36'17	10♍48	1♍53	19°12	27°47	2°29	1°41	14°44	5°55	10°32	20°48	20° 1	19°17	25°48	S 28
M29	22 49 52	10°34'53	25°17	3°46	20°26	28°25	2°30	1°46	14°43	5°55	10°30	20°37	19°58	19°24	25°51	M29
T 30	22 53 49	11°33'30	9♎25	5°39	21°41	29° 3	2°31	1°51	14°42	5°55	10°29	20°26	19°54	19°30	25°55	T 30
W31	22 57 45	12♍32'10	23♎ 7	7♍31	22♍55	29♌42	2♑33	1♏57	14♑41	5♊56	10♓28	20♊17	19♊51	19♑37	25♏59	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n52	9n49	5n 6	16n32	3s20	17n29	1n20	18n47	1n 9	23s47	0s16	9s16	2n19	23s 9	0s30	19n49	1s33	21s53	15s41	23n22	23n17	24s43	15s43	3n26
T 2	16 36	4 9	5 4	16 52	3 4	17 7	1 20	18 36	1 9	23 47	0 16	9 17	2 19	23 9	0 30	19 50	1 33	21 53	15 41	23 22	23 17	24 43	15 44	3 26
W 3	16 19	1s33	4 45	17 11	2 47	16 45	1 21	18 26	1 9	23 48	0 16	9 19	2 19	23 9	0 30	19 50	1 33	21 54	15 41	23 22	23 17	24 43	15 44	3 26
T 4	16 1	6 58	4 11	17 28	2 29	16 22	1 22	18 15	1 9	23 48	0 16	9 20	2 19	23 10	0 30	19 50	1 33	21 54	15 41	23 22	23 16	24 43	15 44	3 26
F 5	15 44	11 57	3 25	17 45	2 11	15 59	1 22	18 4	1 9	23 48	0 16	9 22	2 18	23 10	0 29	19 50	1 33	21 55	15 41	23 21	23 16	24 43	15 45	3 26
S 6	15 26	16 17	2 31	17 59	1 54	15 36	1 23	17 53	1 9	23 48	0 17	9 23	2 18	23 10	0 29	19 50	1 33	21 56	15 41	23 21	23 16	24 42	15 45	3 26
S 7	15 8	19 50	1 31	18 12	1 36	15 12	1 23	17 42	1 9	23 48	0 17	9 25	2 18	23 10	0 29	19 50	1 33	21 56	15 42	23 22	23 16	24 42	15 46	3 25
M 8	14 50	22 30	0 28	18 23	1 18	14 47	1 24	17 31	1 9	23 48	0 17	9 26	2 18	23 10	0 29	19 50	1 33	21 57	15 42	23 22	23 15	24 42	15 46	3 25
T 9	14 31	24 9	0s35	18 32	1 1	14 22	1 24	17 19	1 9	23 49	0 17	9 28	2 18	23 11	0 29	19 50	1 33	21 57	15 42	23 22	23 15	24 42	15 47	3 25
W10	14 12	24 42	1 37	18 38	0 44	13 57	1 25	17 8	1 10	23 49	0 17	9 29	2 17	23 11	0 29	19 51	1 33	21 58	15 42	23 21	23 15	24 42	15 48	3 25
T 11	13 53	24 8	2 34	18 41	0 28	13 32	1 25	16 56	1 10	23 49	0 17	9 31	2 17	23 11	0 29	19 51	1 33	21 59	15 42	23 21	23 15	24 42	15 48	3 25
F 12	13 34	22 28	3 25	18 42	0 12	13 6	1 25	16 45	1 10	23 49	0 17	9 32	2 17	23 11	0 29	19 51	1 34	21 59	15 42	23 21	23 15	24 42	15 49	3 25
S 13	13 15	19 48	4 7	18 40	0n 3	12 39	1 25	16 33	1 10	23 49	0 17	9 34	2 17	23 11	0 29	19 51	1 34	22 0	15 42	23 20	23 14	24 42	15 49	3 25
S 14	12 55	16 13	4 39	18 35	0 17	12 13	1 25	16 21	1 10	23 49	0 17	9 36	2 16	23 12	0 29	19 51	1 34	22 0	15 43	23 20	23 14	24 42	15 50	3 24
M15	12 35	11 56	4 57	18 27	0 30	11 46	1 25	16 9	1 10	23 49	0 17	9 38	2 16	23 12	0 29	19 51	1 34	22 1	15 43	23 19	23 14	24 42	15 51	3 24
T 16	12 15	7 5	5 2	18 15	0 42	11 18	1 25	15 57	1 10	23 50	0 17	9 39	2 16	23 12	0 29	19 51	1 34	22 1	15 43	23 18	23 14	24 42	15 51	3 24
W17	11 55	1 52	4 53	18 1	0 53	10 51	1 25	15 44	1 10	23 50	0 18	9 41	2 16	23 12	0 29	19 51	1 34	22 2	15 43	23 18	23 13	24 41	15 52	3 24
T 18	11 34	3n31	4 28	17 44	1 3	10 23	1 25	15 32	1 10	23 50	0 18	9 43	2 16	23 12	0 29	19 51	1 34	22 2	15 43	23 17	23 13	24 41	15 53	3 24
F 19	11 14	8 50	3 49	17 24	1 12	9 55	1 24	15 20	1 10	23 50	0 18	9 45	2 15	23 12	0 29	19 51	1 34	22 3	15 43	23 17	23 13	24 41	15 54	3 24
S 20	10 53	13 51	2 57	17 1	1 20	9 26	1 24	15 7	1 10	23 50	0 18	9 46	2 15	23 13	0 29	19 51	1 34	22 4	15 43	23 17	23 13	24 41	15 54	3 24
S 21	10 32	18 17	1 54	16 35	1 27	8 57	1 24	14 55	1 10	23 50	0 18	9 48	2 15	23 13	0 29	19 51	1 34	22 4	15 43	23 16	23 13	24 41	15 55	3 23
M22	10 11	21 48	0 43	16 7	1 33	8 29	1 23	14 42	1 10	23 50	0 18	9 50	2 15	23 13	0 29	19 51	1 34	22 5	15 43	23 16	23 12	24 41	15 56	3 23
T 23	9 49	24 4	0n32	15 36	1 38	7 59	1 23	14 29	1 10	23 50	0 18	9 52	2 15	23 13	0 29	19 51	1 34	22 5	15 43	23 16	23 12	24 41	15 57	3 23
W24	9 28	24 48	1 46	15 3	1 42	7 30	1 22	14 16	1 10	23 50	0 18	9 54	2 14	23 13	0 29	19 51	1 34	22 6	15 43	23 16	23 12	24 40	15 58	3 23
T 25	9 6	23 49	2 55	14 28	1 45	7 0	1 21	14 3	1 10	23 50	0 18	9 56	2 14	23 13	0 29	19 51	1 34	22 6	15 43	23 16	23 12	24 40	15 59	3 23
F 26	8 44	21 12	3 52	13 52	1 47	6 31	1 21	13 50	1 10	23 50	0 18	9 58	2 14	23 13	0 29	19 51	1 34	22 7	15 43	23 16	23 11	24 40	16 0	3 23
S 27	8 23	17 10	4 33	13 13	1 49	6 1	1 20	13 37	1 10	23 51	0 18	10 0	2 14	23 13	0 29	19 51	1 34	22 7	15 44	23 15	23 11	24 40	16 0	3 23
S 28	8 0	12 7	4 56	12 33	1 49	5 30	1 19	13 24	1 10	23 51	0 18	10 2	2 14	23 14	0 29	19 51	1 34	22 8	15 44	23 14	23 11	24 40	16 1	3 23
M29	7 38	6 28	5 0	11 52	1 49	5 0	1 18	13 10	1 10	23 51	0 18	10 4	2 13	23 14	0 29	19 51	1 34	22 8	15 44	23 14	23 11	24 39	16 2	3 22
T 30	7 16	0 37	4 45	11 10	1 48	4 30	1 17	12 57	1 10	23 51	0 19	10 6	2 13	23 14	0 29	19 51	1 34	22 9	15 44	23 13	23 10	24 39	16 3	3 22
W31	6n53	5s 6	4n14	10n27	1n47	3n59	1n16	12n43	1n10	23s51	0s19	10s 8	2n13	23s14	0s29	19n51	1s34	22s 9	15s44	23n12	23n10	24s39	16s 4	3n22

Julian Day Number = 2112452.5, Delta T = 19m19s
Ecliptic obliquity = 23°33'36, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°47'54, Lahiri = 10°54'54 Julian Calendar 1 Aug. 1071 == Greg. Calendar 7 Aug. 1071

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1071
geocentric

SEPTEMBER 1071 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 1 42	13♍30'51	6♏22	9♍23	24♍10	0♍20	2♑34	2♏ 2	14°R40	5♊56	10°R27	20°R10	19♊48	19♑44	26♏ 2	T 1
F 2	23 5 38	14°29'34	19°11	11°15	25°25	0°58	2°36	2° 8	14♑39	5°56	10♓26	20♊ 5	19°45	19°50	26° 6	F 2
S 3	23 9 35	15°28'19	1♐39	13° 6	26°39	1°37	2°37	2°13	14°39	5°R56	10°24	20° 4	19°42	19°57	26°10	S 3
S 4	23 13 31	16°27'06	13°48	14°56	27°54	2°15	2°39	2°19	14°38	5°56	10°23	20° 3	19°38	20° 4	26°14	S 4
M 5	23 17 28	17°25'54	25°45	16°45	29° 9	2°53	2°42	2°25	14°37	5°56	10°22	20° 3	19°35	20°10	26°18	M 5
T 6	23 21 24	18°24'44	7♑35	18°34	0♎23	3°31	2°44	2°30	14°37	5°56	10°21	20° 2	19°32	20°17	26°23	T 6
W 7	23 25 21	19°23'36	19°23	20°21	1°38	4°10	2°47	2°36	14°36	5°56	10°19	20° 0	19°29	20°24	26°27	W 7
T 8	23 29 18	20°22'30	1♒15	22° 8	2°52	4°48	2°49	2°42	14°35	5°55	10°18	19°55	19°26	20°30	26°31	T 8
F 9	23 33 14	21°21'26	13°14	23°54	4° 7	5°26	2°52	2°48	14°35	5°55	10°17	19°47	19°23	20°37	26°36	F 9
S 10	23 37 11	22°20'24	25°23	25°39	5°22	6° 5	2°55	2°54	14°34	5°55	10°16	19°37	19°19	20°44	26°40	S 10
S 11	23 41 7	23°19'23	7♓45	27°23	6°36	6°43	2°59	3° 0	14°34	5°55	10°15	19°24	19°16	20°50	26°45	S 11
M12	23 45 4	24°18'25	20°20	29° 6	7°51	7°21	3° 2	3° 6	14°34	5°54	10°14	19°11	19°13	20°57	26°49	M12
T 13	23 49 0	25°17'28	3♈ 9	0♎48	9° 6	7°59	3° 6	3°12	14°33	5°54	10°12	18°58	19°10	21° 4	26°54	T 13
W14	23 52 57	26°16'34	16°11	2°30	10°20	8°38	3°10	3°18	14°33	5°54	10°11	18°46	19° 7	21°10	26°59	W14
T 15	23 56 53	27°15'42	29°24	4°10	11°35	9°16	3°14	3°24	14°33	5°53	10°10	18°36	19° 3	21°17	27° 4	T 15
F 16	0 0 50	28°14'52	12♉48	5°50	12°49	9°54	3°18	3°30	14°33	5°53	10° 9	18°29	19° 0	21°24	27° 9	F 16
S 17	0 4 47	29°14'04	26°22	7°29	14° 4	10°33	3°22	3°37	14°33	5°53	10° 8	18°25	18°57	21°30	27°14	S 17
S 18	0 8 43	0♎13'19	10♊ 5	9° 7	15°19	11°11	3°27	3°43	14°33	5°52	10° 7	18°24	18°54	21°37	27°19	S 18
M19	0 12 40	1°12'36	23°57	10°45	16°33	11°49	3°32	3°49	14°D33	5°52	10° 5	18°24	18°51	21°44	27°24	M19
T 20	0 16 36	2°11'56	7♋59	12°22	17°48	12°28	3°37	3°56	14°33	5°51	10° 4	18°24	18°48	21°50	27°29	T 20
W21	0 20 33	3°11'18	22°10	13°57	19° 3	13° 6	3°42	4° 2	14°33	5°51	10° 3	18°22	18°44	21°57	27°34	W21
T 22	0 24 29	4°10'43	6♌28	15°33	20°17	13°45	3°47	4° 9	14°33	5°50	10° 2	18°19	18°41	22° 4	27°39	T 22
F 23	0 28 26	5°10'09	20°52	17° 7	21°32	14°23	3°52	4°15	14°33	5°49	10° 1	18°13	18°38	22°10	27°45	F 23
S 24	0 32 22	6° 9'39	5♍16	18°41	22°47	15° 1	3°58	4°22	14°33	5°49	10° 0	18° 4	18°35	22°17	27°50	S 24
S 25	0 36 19	7° 9'10	19°35	20°14	24° 1	15°40	4° 4	4°28	14°34	5°48	9°59	17°54	18°32	22°24	27°56	S 25
M26	0 40 16	8° 8'43	3♎43	21°46	25°16	16°18	4°10	4°35	14°34	5°47	9°58	17°42	18°29	22°30	28° 1	M26
T 27	0 44 12	9° 8'19	17°35	23°18	26°30	16°57	4°16	4°42	14°34	5°46	9°57	17°31	18°25	22°37	28° 7	T 27
W28	0 48 9	10° 7'56	1♏ 7	24°49	27°45	17°35	4°22	4°48	14°35	5°46	9°56	17°22	18°22	22°44	28°13	W28
T 29	0 52 5	11° 7'36	14°17	26°20	29° 0	18°14	4°28	4°55	14°35	5°45	9°55	17°15	18°19	22°50	28°18	T 29
F 30	0 56 2	12♎ 7'17	27♏ 4	27♎50	0♏14	18♍52	4♑35	5♏ 2	14♑36	5♊44	9♓54	17♊11	18♊16	22♑57	28♏24	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n31	10s25	3n29	9n43	1n45	3n28	1n15	12n30	1n10	23s51	0s19	10s10	2n13	23s14	0s29	19n51	1s34	22s10	15s44	23n12	23n10	24s39	16s 5	3n22
F 2	6 8	15 7	2 36	8 58	1 43	2 58	1 14	12 16	1 9	23 51	0 19	10 12	2 13	23 14	0 29	19 51	1 34	22 10	15 44	23 11	23 10	24 39	16 6	3 22
S 3	5 45	19 2	1 36	8 12	1 40	2 27	1 12	12 2	1 9	23 51	0 19	10 14	2 12	23 14	0 29	19 51	1 35	22 11	15 44	23 11	23 9	24 38	16 7	3 22
S 4	5 22	22 1	0 33	7 27	1 36	1 56	1 11	11 48	1 9	23 51	0 19	10 16	2 12	23 14	0 29	19 51	1 35	22 11	15 44	23 11	23 9	24 38	16 8	3 22
M 5	4 59	24 0	0s30	6 40	1 33	1 25	1 10	11 34	1 9	23 51	0 19	10 18	2 12	23 14	0 29	19 51	1 35	22 12	15 44	23 11	23 9	24 38	16 9	3 22
T 6	4 36	24 52	1 31	5 54	1 28	0 53	1 8	11 20	1 9	23 51	0 19	10 20	2 12	23 14	0 29	19 51	1 35	22 12	15 44	23 11	23 9	24 38	16 11	3 21
W 7	4 13	24 36	2 29	5 7	1 24	0 22	1 7	11 6	1 9	23 51	0 19	10 22	2 12	23 14	0 29	19 51	1 35	22 12	15 43	23 11	23 8	24 37	16 12	3 21
T 8	3 50	23 13	3 19	4 21	1 19	0s 9	1 5	10 52	1 9	23 51	0 19	10 25	2 12	23 14	0 29	19 51	1 35	22 13	15 43	23 10	23 8	24 37	16 13	3 21
F 9	3 27	20 48	4 2	3 34	1 14	0 40	1 4	10 38	1 9	23 51	0 19	10 27	2 11	23 14	0 29	19 51	1 35	22 13	15 43	23 10	23 8	24 37	16 14	3 21
S 10	3 3	17 25	4 34	2 47	1 8	1 11	1 2	10 24	1 9	23 51	0 19	10 29	2 11	23 14	0 29	19 51	1 35	22 14	15 43	23 9	23 8	24 36	16 15	3 21
S 11	2 40	13 15	4 54	2 0	1 3	1 43	1 1	10 10	1 9	23 51	0 19	10 31	2 11	23 14	0 29	19 51	1 35	22 14	15 43	23 8	23 7	24 36	16 16	3 21
M12	2 16	8 26	5 0	1 14	0 57	2 14	0 59	9 55	1 9	23 51	0 19	10 33	2 11	23 14	0 29	19 51	1 35	22 15	15 43	23 7	23 7	24 36	16 17	3 21
T 13	1 53	3 11	4 51	0 27	0 51	2 45	0 57	9 41	1 9	23 51	0 19	10 36	2 11	23 14	0 29	19 50	1 35	22 15	15 43	23 6	23 7	24 36	16 18	3 21
W14	1 29	2n17	4 27	0s19	0 45	3 16	0 55	9 26	1 9	23 51	0 20	10 38	2 11	23 14	0 29	19 50	1 35	22 15	15 43	23 5	23 7	24 35	16 20	3 21
T 15	1 6	7 46	3 48	1 5	0 38	3 47	0 53	9 12	1 9	23 51	0 20	10 40	2 11	23 14	0 29	19 50	1 35	22 16	15 43	23 4	23 6	24 35	16 21	3 21
F 16	0 42	12 58	2 56	1 51	0 32	4 18	0 51	8 57	1 9	23 51	0 20	10 42	2 10	23 14	0 29	19 50	1 35	22 16	15 43	23 4	23 6	24 35	16 22	3 20
S 17	0 18	17 36	1 54	2 36	0 25	4 49	0 50	8 43	1 9	23 51	0 20	10 45	2 10	23 14	0 29	19 50	1 35	22 16	15 43	23 3	23 6	24 34	16 23	3 20
S 18	0s 5	21 21	0 44	3 21	0 19	5 20	0 48	8 28	1 9	23 51	0 20	10 47	2 10	23 14	0 29	19 50	1 35	22 17	15 43	23 3	23 6	24 34	16 24	3 20
M19	0 29	23 55	0n29	4 6	0 12	5 50	0 45	8 13	1 9	23 51	0 20	10 49	2 10	23 14	0 29	19 50	1 35	22 17	15 43	23 3	23 5	24 34	16 26	3 20
T 20	0 53	25 1	1 42	4 50	0 5	6 21	0 43	7 58	1 8	23 51	0 20	10 51	2 10	23 14	0 29	19 50	1 35	22 17	15 42	23 3	23 5	24 33	16 27	3 20
W21	1 16	24 30	2 49	5 34	0s 2	6 51	0 41	7 43	1 8	23 50	0 20	10 54	2 10	23 14	0 29	19 49	1 35	22 18	15 42	23 3	23 5	24 33	16 28	3 20
T 22	1 40	22 23	3 46	6 17	0 9	7 22	0 39	7 28	1 8	23 50	0 20	10 56	2 10	23 14	0 29	19 49	1 35	22 18	15 42	23 3	23 5	24 32	16 29	3 20
F 23	2 4	18 51	4 29	7 0	0 16	7 52	0 37	7 13	1 8	23 50	0 20	10 58	2 9	23 14	0 29	19 49	1 35	22 18	15 42	23 2	23 4	24 32	16 31	3 20
S 24	2 28	14 11	4 54	7 42	0 23	8 22	0 35	6 58	1 8	23 50	0 20	11 1	2 9	23 14	0 29	19 49	1 35	22 19	15 42	23 1	23 4	24 32	16 32	3 20
S 25	2 51	8 46	5 2	8 24	0 30	8 52	0 32	6 43	1 8	23 50	0 20	11 3	2 9	23 14	0 29	19 49	1 36	22 19	15 42	23 0	23 4	24 31	16 33	3 20
M26	3 15	2 57	4 50	9 6	0 37	9 21	0 30	6 28	1 8	23 50	0 20	11 5	2 9	23 14	0 29	19 49	1 36	22 19	15 42	22 59	23 3	24 31	16 34	3 20
T 27	3 38	2s54	4 22	9 46	0 43	9 51	0 28	6 13	1 8	23 50	0 20	11 8	2 9	23 14	0 29	19 49	1 36	22 20	15 41	22 58	23 3	24 31	16 36	3 20
W28	4 2	8 30	3 39	10 26	0 50	10 20	0 25	5 58	1 8	23 50	0 20	11 10	2 9	23 14	0 29	19 48	1 36	22 20	15 41	22 57	23 3	24 30	16 37	3 20
T 29	4 25	13 34	2 46	11 6	0 57	10 49	0 23	5 43	1 8	23 49	0 20	11 12	2 9	23 14	0 29	19 48	1 36	22 20	15 41	22 57	23 3	24 30	16 38	3 20
F 30	4s49	17s54	1n45	11s45	1s 4	11s18	0n20	5n28	1n 7	23s49	0s20	11s15	2n 9	23s14	0s29	19n48	1s36	22s20	15s41	22n56	23n 2	24s29	16s40	3n20

Julian Day Number = 2112483.5, Delta T = 19m19s
Ecliptic obliquity = 23°33'37, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°47'58, Lahiri = 10°54'58 Julian Calendar 1 Sept. 1071 == Greg. Calendar 7 Sept. 1071

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1071
geocentric

OCTOBER 1071 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 59 58	13♎ 7'01	9♐31	29♎19	1♏29	19♍31	4♑42	5♏ 9	14♑37	5°R43	9°R53	17°R 9	18♊13	23♑ 4	28♏30	S 1
S 2	1 3 55	14° 6'46	21°41	0♏47	2°44	20° 9	4°49	5°15	14°37	5♊42	9♓52	17°D 8	18° 9	23°10	28°36	S 2
M 3	1 7 51	15° 6'33	3♑39	2°15	3°58	20°47	4°56	5°22	14°38	5°41	9°51	17♊ 9	18° 6	23°17	28°42	M 3
T 4	1 11 48	16° 6'22	15°30	3°42	5°13	21°26	5° 3	5°29	14°39	5°40	9°50	17°R10	18° 3	23°24	28°48	T 4
W 5	1 15 45	17° 6'12	27°19	5° 9	6°28	22° 4	5°10	5°36	14°39	5°39	9°49	17° 9	18° 0	23°30	28°54	W 5
T 6	1 19 41	18° 6'04	9♒12	6°34	7°42	22°43	5°18	5°43	14°40	5°38	9°48	17° 6	17°57	23°37	29° 0	T 6
F 7	1 23 38	19° 5'58	21°14	7°59	8°57	23°21	5°25	5°50	14°41	5°37	9°47	17° 2	17°54	23°44	29° 6	F 7
S 8	1 27 34	20° 5'54	3♓28	9°23	10°11	24° 0	5°33	5°57	14°42	5°36	9°46	16°55	17°50	23°50	29°12	S 8
S 9	1 31 31	21° 5'51	15°58	10°47	11°26	24°38	5°41	6° 4	14°43	5°35	9°45	16°46	17°47	23°57	29°19	S 9
M10	1 35 27	22° 5'50	28°46	12° 9	12°40	25°17	5°49	6°11	14°44	5°34	9°44	16°36	17°44	24° 4	29°25	M10
T 11	1 39 24	23° 5'51	11♈51	13°31	13°55	25°56	5°57	6°18	14°45	5°33	9°44	16°26	17°41	24°10	29°31	T 11
W12	1 43 20	24° 5'54	25°14	14°51	15°10	26°34	6° 6	6°25	14°47	5°32	9°43	16°17	17°38	24°17	29°38	W12
T 13	1 47 17	25° 5'59	8♉52	16°11	16°24	27°13	6°14	6°32	14°48	5°31	9°42	16°10	17°35	24°24	29°44	T 13
F 14	1 51 13	26° 6'05	22°41	17°29	17°39	27°51	6°23	6°39	14°49	5°29	9°41	16° 5	17°31	24°30	29°50	F 14
S 15	1 55 10	27° 6'14	6♊39	18°46	18°53	28°30	6°31	6°46	14°50	5°28	9°40	16° 3	17°28	24°37	29°57	S 15
S 16	1 59 7	28° 6'25	20°43	20° 2	20° 8	29° 8	6°40	6°53	14°52	5°27	9°40	16°D 3	17°25	24°44	0♐ 3	S 16
M17	2 3 3	29° 6'38	4♋50	21°16	21°22	29°47	6°49	7° 0	14°53	5°26	9°39	16° 4	17°22	24°50	0°10	M17
T 18	2 7 0	0♏ 6'54	18°59	22°28	22°37	0♎26	6°58	7° 7	14°55	5°24	9°38	16° 5	17°19	24°57	0°17	T 18
W19	2 10 56	1° 7'11	3♌ 7	23°38	23°51	1° 4	7° 8	7°14	14°56	5°23	9°38	16°R 5	17°15	25° 4	0°23	W19
T 20	2 14 53	2° 7'30	17°14	24°47	25° 6	1°43	7°17	7°21	14°58	5°22	9°37	16° 4	17°12	25°10	0°30	T 20
F 21	2 18 49	3° 7'52	1♍18	25°52	26°20	2°21	7°26	7°28	14°59	5°20	9°36	16° 1	17° 9	25°17	0°37	F 21
S 22	2 22 46	4° 8'15	15°16	26°55	27°35	3° 0	7°36	7°36	15° 1	5°19	9°36	15°56	17° 6	25°24	0°43	S 22
S 23	2 26 42	5° 8'40	29° 8	27°55	28°50	3°39	7°46	7°43	15° 3	5°17	9°35	15°50	17° 3	25°30	0°50	S 23
M24	2 30 39	6° 9'07	12♎48	28°52	0♐ 4	4°17	7°56	7°50	15° 4	5°16	9°34	15°43	17° 0	25°37	0°57	M24
T 25	2 34 36	7° 9'36	26°16	29°45	1°19	4°56	8° 6	7°57	15° 6	5°15	9°34	15°36	16°56	25°44	1° 4	T 25
W26	2 38 32	8°10'07	9♏27	0♐33	2°33	5°35	8°16	8° 4	15° 8	5°13	9°33	15°31	16°53	25°50	1°11	W26
T 27	2 42 29	9°10'39	22°22	1°17	3°48	6°14	8°26	8°11	15°10	5°12	9°33	15°26	16°50	25°57	1°18	T 27
F 28	2 46 25	10°11'13	5♐ 0	1°55	5° 2	6°52	8°36	8°18	15°12	5°10	9°32	15°24	16°47	26° 4	1°25	F 28
S 29	2 50 22	11°11'49	17°22	2°26	6°16	7°31	8°47	8°26	15°14	5° 9	9°32	15°D24	16°44	26°10	1°32	S 29
S 30	2 54 18	12°12'26	29°30	2°51	7°31	8°10	8°57	8°33	15°16	5° 7	9°31	15°25	16°40	26°17	1°39	S 30
M31	2 58 15	13♏13'04	11♑27	3♐ 9	8♐45	8♎48	9♑ 8	8♏40	15♑18	5♊ 6	9♓31	15♊26	16♊37	26♑24	1♐46	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s12	21s19	0n41	12s23	1s11	11s46	0n18	5n12	1n 7	23s49	0s20	11s17	2n 9	23s14	0s29	19n48	1s36	22s20	15s41	22n56	23n 2	24s29	16s41	3n19
S 2	5 36	23 42	0s24	13 1	1 17	12 14	0 16	4 57	1 7	23 49	0 21	11 19	2 8	23 14	0 29	19 48	1 36	22 21	15 41	22 56	23 2	24 28	16 42	3 19
M 3	5 59	24 58	1 27	13 37	1 24	12 42	0 13	4 42	1 7	23 49	0 21	11 22	2 8	23 14	0 29	19 47	1 36	22 21	15 40	22 56	23 1	24 28	16 44	3 19
T 4	6 22	25 4	2 26	14 13	1 30	13 10	0 11	4 26	1 7	23 48	0 21	11 24	2 8	23 14	0 29	19 47	1 36	22 21	15 40	22 56	23 1	24 28	16 45	3 19
W 5	6 45	24 2	3 18	14 49	1 36	13 37	0 8	4 11	1 7	23 48	0 21	11 26	2 8	23 13	0 29	19 47	1 36	22 21	15 40	22 56	23 1	24 27	16 46	3 19
T 6	7 8	21 55	4 2	15 23	1 42	14 4	0 5	3 56	1 7	23 48	0 21	11 29	2 8	23 13	0 29	19 47	1 36	22 21	15 40	22 56	23 1	24 27	16 48	3 19
F 7	7 31	18 50	4 35	15 57	1 48	14 30	0 3	3 40	1 7	23 48	0 21	11 31	2 8	23 13	0 29	19 47	1 36	22 22	15 40	22 55	23 0	24 26	16 49	3 19
S 8	7 54	14 54	4 57	16 30	1 54	14 57	0 0	3 25	1 6	23 47	0 21	11 34	2 8	23 13	0 29	19 46	1 36	22 22	15 39	22 55	23 0	24 26	16 50	3 19
S 9	8 16	10 15	5 5	17 2	2 0	15 22	0s 2	3 9	1 6	23 47	0 21	11 36	2 8	23 13	0 29	19 46	1 36	22 22	15 39	22 54	23 0	24 25	16 52	3 19
M10	8 39	5 3	4 59	17 32	2 5	15 48	0 5	2 54	1 6	23 47	0 21	11 38	2 8	23 13	0 29	19 46	1 36	22 22	15 39	22 53	22 59	24 25	16 53	3 19
T 11	9 1	0n28	4 36	18 2	2 10	16 13	0 8	2 38	1 6	23 47	0 21	11 41	2 8	23 13	0 29	19 46	1 36	22 22	15 39	22 52	22 59	24 24	16 54	3 19
W12	9 24	6 7	3 58	18 31	2 15	16 38	0 10	2 23	1 6	23 46	0 21	11 43	2 8	23 13	0 28	19 45	1 36	22 22	15 39	22 51	22 59	24 24	16 56	3 19
T 13	9 46	11 35	3 6	18 59	2 20	17 2	0 13	2 7	1 6	23 46	0 21	11 45	2 8	23 12	0 28	19 45	1 36	22 22	15 38	22 50	22 59	24 23	16 57	3 19
F 14	10 8	16 34	2 2	19 26	2 24	17 26	0 15	1 52	1 6	23 46	0 21	11 48	2 8	23 12	0 28	19 45	1 36	22 22	15 38	22 50	22 58	24 23	16 58	3 19
S 15	10 30	20 42	0 50	19 52	2 28	17 49	0 18	1 36	1 5	23 45	0 21	11 50	2 7	23 12	0 28	19 45	1 36	22 23	15 38	22 50	22 58	24 22	17 0	3 19
S 16	10 51	23 39	0n25	20 16	2 31	18 12	0 21	1 20	1 5	23 45	0 21	11 52	2 7	23 12	0 28	19 44	1 36	22 23	15 38	22 49	22 58	24 22	17 1	3 19
M17	11 13	25 8	1 40	20 39	2 35	18 34	0 23	1 5	1 5	23 44	0 21	11 55	2 7	23 12	0 28	19 44	1 36	22 23	15 37	22 50	22 57	24 21	17 2	3 19
T 18	11 34	24 59	2 48	21 1	2 38	18 56	0 26	0 49	1 5	23 44	0 21	11 57	2 7	23 12	0 28	19 44	1 36	22 23	15 37	22 50	22 57	24 21	17 4	3 19
W19	11 55	23 14	3 47	21 21	2 40	19 18	0 29	0 34	1 5	23 43	0 21	12 0	2 7	23 11	0 28	19 44	1 36	22 23	15 37	22 50	22 57	24 20	17 5	3 19
T 20	12 16	20 3	4 31	21 40	2 42	19 39	0 31	0 18	1 5	23 43	0 21	12 2	2 7	23 11	0 28	19 43	1 36	22 23	15 36	22 50	22 56	24 19	17 7	3 19
F 21	12 37	15 43	4 59	21 58	2 43	19 59	0 34	0 2	1 4	23 43	0 22	12 4	2 7	23 11	0 28	19 43	1 36	22 23	15 36	22 49	22 56	24 19	17 8	3 19
S 22	12 58	10 35	5 9	22 13	2 44	20 19	0 36	0s13	1 4	23 42	0 22	12 7	2 7	23 11	0 28	19 43	1 36	22 23	15 36	22 49	22 56	24 18	17 9	3 19
S 23	13 18	4 57	5 1	22 27	2 44	20 38	0 39	0 29	1 4	23 42	0 22	12 9	2 7	23 11	0 28	19 43	1 36	22 23	15 36	22 48	22 56	24 18	17 11	3 19
M24	13 38	0s51	4 36	22 40	2 43	20 57	0 42	0 44	1 4	23 41	0 22	12 11	2 7	23 10	0 28	19 42	1 36	22 23	15 35	22 47	22 55	24 17	17 12	3 20
T 25	13 58	6 32	3 55	22 50	2 42	21 15	0 44	1 0	1 4	23 40	0 22	12 14	2 7	23 10	0 28	19 42	1 36	22 23	15 35	22 47	22 55	24 17	17 13	3 20
W26	14 18	11 49	3 3	22 58	2 40	21 32	0 47	1 16	1 3	23 40	0 22	12 16	2 7	23 10	0 28	19 42	1 36	22 23	15 35	22 46	22 55	24 16	17 15	3 20
T 27	14 38	16 29	2 2	23 4	2 36	21 49	0 49	1 31	1 3	23 39	0 22	12 18	2 7	23 10	0 28	19 42	1 37	22 23	15 35	22 46	22 54	24 15	17 16	3 20
F 28	14 57	20 19	0 56	23 8	2 32	22 6	0 52	1 47	1 3	23 39	0 22	12 21	2 7	23 9	0 28	19 41	1 37	22 22	15 34	22 45	22 54	24 15	17 17	3 20
S 29	15 16	23 8	0s11	23 9	2 27	22 21	0 54	2 2	1 3	23 38	0 22	12 23	2 7	23 9	0 28	19 41	1 37	22 22	15 34	22 45	22 54	24 14	17 19	3 20
S 30	15 35	24 50	1 16	23 7	2 20	22 36	0 57	2 18	1 3	23 37	0 22	12 25	2 7	23 9	0 28	19 41	1 37	22 22	15 34	22 45	22 53	24 14	17 20	3 20
M31	15s53	25s21	2s18	23s 3	2s12	22s51	0s59	2s33	1n 2	23s37	0s22	12s27	2n 7	23s 9	0s28	19n40	1s37	22s22	15s33	22n46	22n53	24s13	17s21	3n20

Julian Day Number = 2112513.5, Delta T = 19m19s
Ecliptic obliquity = 23°33'37, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°48'02, Lahiri = 10°55'02 Julian Calendar 1 Oct. 1071 == Greg. Calendar 7 Oct. 1071

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1071
geocentric

NOVEMBER 1071 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 2 11	14♏13'43	23♉18	3°R18	10♐ 0	9♎27	9♉19	8♏47	15♉20	5°R 4	9°R30	15♊28	16♊34	26♉30	1♐53	T 1
W 2	3 6 8	15°14'24	5♒ 7	3♐17	11°14	10° 6	9°29	8°54	15°22	5♊ 2	9♓30	15°29	16°31	26°37	2° 0	W 2
T 3	3 10 5	16°15'06	17° 0	3° 8	12°29	10°45	9°40	9° 1	15°24	5° 1	9°30	15°R30	16°28	26°44	2° 7	T 3
F 4	3 14 1	17°15'49	29° 1	2°47	13°43	11°23	9°51	9° 8	15°26	4°59	9°29	15°29	16°25	26°51	2°14	F 4
S 5	3 17 58	18°16'33	11♓15	2°16	14°58	12° 2	10° 3	9°15	15°29	4°58	9°29	15°27	16°21	26°57	2°21	S 5
S 6	3 21 54	19°17'18	23°46	1°34	16°12	12°41	10°14	9°22	15°31	4°56	9°29	15°24	16°18	27° 4	2°28	S 6
M 7	3 25 51	20°18'04	6♈38	0°42	17°26	13°20	10°25	9°30	15°33	4°54	9°28	15°20	16°15	27°11	2°35	M 7
T 8	3 29 47	21°18'51	19°52	29♏40	18°41	13°59	10°36	9°37	15°36	4°53	9°28	15°16	16°12	27°17	2°42	T 8
W 9	3 33 44	22°19'40	3♉29	28°29	19°55	14°37	10°48	9°44	15°38	4°51	9°28	15°13	16° 9	27°24	2°49	W 9
T 10	3 37 40	23°20'30	17°26	27°12	21° 9	15°16	11° 0	9°51	15°40	4°49	9°28	15°10	16° 6	27°31	2°56	T 10
F 11	3 41 37	24°21'21	1♊40	25°51	22°24	15°55	11°11	9°58	15°43	4°48	9°28	15° 8	16° 2	27°37	3° 4	F 11
S 12	3 45 34	25°22'13	16° 6	24°29	23°38	16°34	11°23	10° 5	15°45	4°46	9°27	15°D 8	15°59	27°44	3°11	S 12
S 13	3 49 30	26°23'06	0♋38	23° 7	24°52	17°13	11°35	10°12	15°48	4°44	9°27	15° 8	15°56	27°51	3°18	S 13
M14	3 53 27	27°24'01	15°12	21°50	26° 6	17°52	11°47	10°19	15°51	4°43	9°27	15°10	15°53	27°57	3°25	M14
T 15	3 57 23	28°24'57	29°40	20°39	27°21	18°30	11°59	10°25	15°53	4°41	9°27	15°11	15°50	28° 4	3°32	T 15
W16	4 1 20	29°25'55	14♌ 1	19°36	28°35	19° 9	12°11	10°32	15°56	4°39	9°27	15°12	15°46	28°11	3°40	W16
T 17	4 5 16	0♐26'53	28°10	18°43	29°49	19°48	12°23	10°39	15°59	4°38	9°27	15°R12	15°43	28°17	3°47	T 17
F 18	4 9 13	1°27'53	12♍ 6	18° 2	1♉ 3	20°27	12°35	10°46	16° 1	4°36	9°D27	15°12	15°40	28°24	3°54	F 18
S 19	4 13 9	2°28'54	25°49	17°32	2°17	21° 6	12°48	10°53	16° 4	4°34	9°27	15°11	15°37	28°31	4° 1	S 19
S 20	4 17 6	3°29'57	9♎18	17°13	3°32	21°45	13° 0	11° 0	16° 7	4°33	9°27	15°10	15°34	28°37	4° 8	S 20
M21	4 21 3	4°31'00	22°33	17°D 5	4°46	22°24	13°13	11° 6	16°10	4°31	9°27	15° 8	15°31	28°44	4°16	M21
T 22	4 24 59	5°32'05	5♏35	17° 7	6° 0	23° 3	13°25	11°13	16°13	4°29	9°27	15° 7	15°27	28°51	4°23	T 22
W23	4 28 56	6°33'10	18°23	17°19	7°14	23°42	13°38	11°20	16°16	4°27	9°27	15° 6	15°24	28°57	4°30	W23
T 24	4 32 52	7°34'17	0♐58	17°40	8°28	24°21	13°51	11°27	16°18	4°26	9°27	15° 5	15°21	29° 4	4°37	T 24
F 25	4 36 49	8°35'24	13°21	18° 9	9°42	25° 0	14° 3	11°33	16°21	4°24	9°28	15°D 5	15°18	29°11	4°45	F 25
S 26	4 40 45	9°36'32	25°33	18°46	10°56	25°39	14°16	11°40	16°24	4°22	9°28	15° 5	15°15	29°18	4°52	S 26
S 27	4 44 42	10°37'40	7♑35	19°28	12°10	26°18	14°29	11°46	16°27	4°21	9°28	15° 5	15°12	29°24	4°59	S 27
M28	4 48 39	11°38'49	19°30	20°17	13°24	26°57	14°42	11°53	16°30	4°19	9°28	15° 6	15° 8	29°31	5° 6	M28
T 29	4 52 35	12°39'59	1♒20	21°10	14°38	27°36	14°55	11°59	16°34	4°17	9°29	15° 6	15° 5	29°38	5°13	T 29
W30	4 56 32	13♐41'09	13♒ 9	22♏ 8	15♑52	28♎15	15♑ 8	12♏ 6	16♑37	4♊16	9♓29	15♊ 6	15♊ 2	29♑44	5♐20	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s11	24s42	3s13	22s56	2s 3	23s 4	1s 1	2s49	1n 2	23s36	0s22	12s30	2n 7	23s 8	0s28	19n40	1s37	22s22	15s33	22n46	22n53	24s12	17s22	3n20
W 2	16 29	22 57	3 59	22 45	1 52	23 17	1 4	3 4	1 2	23 35	0 22	12 32	2 7	23 8	0 28	19 40	1 37	22 22	15 33	22 46	22 52	24 12	17 24	3 20
T 3	16 47	20 12	4 36	22 31	1 40	23 30	1 6	3 20	1 2	23 35	0 22	12 34	2 7	23 8	0 28	19 39	1 37	22 22	15 32	22 46	22 52	24 11	17 25	3 20
F 4	17 4	16 34	5 1	22 13	1 26	23 42	1 8	3 35	1 1	23 34	0 22	12 37	2 7	23 8	0 28	19 39	1 37	22 22	15 32	22 46	22 52	24 10	17 26	3 20
S 5	17 21	12 12	5 13	21 52	1 10	23 53	1 11	3 51	1 1	23 33	0 22	12 39	2 7	23 7	0 28	19 39	1 37	22 21	15 32	22 46	22 51	24 10	17 28	3 20
S 6	17 38	7 14	5 11	21 27	0 53	24 3	1 13	4 6	1 1	23 32	0 22	12 41	2 7	23 7	0 28	19 39	1 37	22 21	15 31	22 45	22 51	24 9	17 29	3 20
M 7	17 55	1 50	4 53	20 58	0 35	24 12	1 15	4 21	1 1	23 31	0 22	12 43	2 7	23 7	0 28	19 38	1 37	22 21	15 31	22 45	22 51	24 8	17 30	3 21
T 8	18 11	3n49	4 19	20 26	0 16	24 21	1 17	4 37	1 0	23 30	0 23	12 45	2 7	23 7	0 28	19 38	1 37	22 21	15 31	22 45	22 50	24 8	17 31	3 21
W 9	18 27	9 27	3 30	19 51	0n 5	24 29	1 19	4 52	1 0	23 30	0 23	12 48	2 7	23 6	0 28	19 38	1 37	22 21	15 30	22 44	22 50	24 7	17 33	3 21
T 10	18 42	14 46	2 27	19 14	0 25	24 37	1 21	5 7	1 0	23 29	0 23	12 50	2 7	23 6	0 28	19 37	1 37	22 20	15 30	22 44	22 50	24 6	17 34	3 21
F 11	18 57	19 24	1 14	18 35	0 46	24 43	1 23	5 23	1 0	23 28	0 23	12 52	2 7	23 6	0 28	19 37	1 37	22 20	15 30	22 44	22 49	24 6	17 35	3 21
S 12	19 12	22 55	0n 5	17 56	1 5	24 49	1 25	5 38	0 59	23 27	0 23	12 54	2 7	23 5	0 28	19 37	1 37	22 20	15 29	22 44	22 49	24 5	17 36	3 21
S 13	19 27	24 58	1 25	17 17	1 24	24 55	1 27	5 53	0 59	23 26	0 23	12 56	2 7	23 5	0 28	19 36	1 37	22 20	15 29	22 44	22 49	24 4	17 38	3 21
M14	19 41	25 19	2 39	16 41	1 41	24 59	1 29	6 8	0 59	23 25	0 23	12 58	2 7	23 5	0 28	19 36	1 37	22 19	15 29	22 44	22 48	24 3	17 39	3 21
T 15	19 54	23 56	3 42	16 8	1 57	25 3	1 31	6 23	0 59	23 24	0 23	13 1	2 7	23 4	0 28	19 36	1 37	22 19	15 29	22 44	22 48	24 3	17 40	3 22
W16	20 8	21 1	4 31	15 38	2 10	25 6	1 32	6 38	0 58	23 23	0 23	13 3	2 7	23 4	0 28	19 36	1 37	22 19	15 28	22 44	22 48	24 2	17 41	3 22
T 17	20 21	16 54	5 3	15 13	2 21	25 8	1 34	6 53	0 58	23 22	0 23	13 5	2 7	23 4	0 28	19 35	1 37	22 19	15 28	22 44	22 47	24 1	17 42	3 22
F 18	20 33	11 55	5 16	14 53	2 30	25 9	1 36	7 8	0 58	23 21	0 23	13 7	2 7	23 3	0 28	19 35	1 37	22 18	15 28	22 44	22 47	24 0	17 44	3 22
S 19	20 46	6 25	5 11	14 38	2 37	25 10	1 37	7 23	0 57	23 20	0 23	13 9	2 7	23 3	0 28	19 35	1 37	22 18	15 27	22 44	22 47	24 0	17 45	3 22
S 20	20 58	0 43	4 49	14 28	2 42	25 9	1 39	7 38	0 57	23 18	0 23	13 11	2 7	23 3	0 28	19 34	1 37	22 18	15 27	22 44	22 46	23 59	17 46	3 22
M21	21 9	4s55	4 12	14 23	2 44	25 8	1 40	7 53	0 57	23 17	0 23	13 13	2 7	23 2	0 28	19 34	1 37	22 17	15 26	22 44	22 46	23 58	17 47	3 23
T 22	21 20	10 16	3 22	14 23	2 46	25 7	1 41	8 8	0 56	23 16	0 23	13 15	2 7	23 2	0 28	19 34	1 37	22 17	15 26	22 43	22 46	23 57	17 48	3 23
W23	21 31	15 6	2 23	14 27	2 45	25 4	1 43	8 23	0 56	23 15	0 23	13 17	2 7	23 2	0 28	19 33	1 37	22 17	15 26	22 43	22 45	23 57	17 49	3 23
T 24	21 41	19 11	1 18	14 34	2 44	25 1	1 44	8 37	0 56	23 14	0 23	13 19	2 8	23 1	0 28	19 33	1 37	22 16	15 25	22 43	22 45	23 56	17 51	3 23
F 25	21 51	22 21	0 10	14 45	2 41	24 57	1 45	8 52	0 55	23 12	0 24	13 21	2 8	23 1	0 28	19 33	1 37	22 16	15 25	22 43	22 45	23 55	17 52	3 23
S 26	22 0	24 27	0s58	14 58	2 37	24 52	1 46	9 6	0 55	23 11	0 24	13 23	2 8	23 0	0 28	19 32	1 37	22 16	15 25	22 43	22 44	23 54	17 53	3 23
S 27	22 9	25 22	2 2	15 14	2 33	24 47	1 47	9 21	0 55	23 10	0 24	13 25	2 8	23 0	0 28	19 32	1 37	22 15	15 24	22 43	22 44	23 53	17 54	3 24
M28	22 18	25 6	3 0	15 32	2 28	24 41	1 48	9 35	0 54	23 8	0 24	13 27	2 8	23 0	0 28	19 32	1 37	22 15	15 24	22 43	22 44	23 53	17 55	3 24
T 29	22 26	23 42	3 50	15 52	2 22	24 34	1 49	9 50	0 54	23 7	0 24	13 29	2 8	22 59	0 28	19 32	1 37	22 14	15 24	22 43	22 43	23 52	17 56	3 24
W30	22s33	21s15	4s30	16s13	2n16	24s26	1s50	10s 4	0n54	23s 5	0s24	13s31	2n 8	22s59	0s28	19n31	1s37	22s14	15s23	22n43	22n43	23s51	17s57	3n24

Julian Day Number = 2112544.5, Delta T = 19m19s
Ecliptic obliquity = 23°33'37, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°48'06, Lahiri = 10°55'07 Julian Calendar 1 Nov. 1071 == Greg. Calendar 7 Nov. 1071

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1071
geocentric

DECEMBER 1071 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 0 28	14♐42'19	25♒ 1	23♏10	17♑ 6	28♎53	15♑21	12♏12	16♑40	4°R14	9♓29	15°R 7	14♊59	29♑51	5♐28	T 1
F 2	5 4 25	15°43'29	7♓ 0	24°15	18°20	29°32	15°34	12°19	16°43	4♊12	9°29	15♊ 7	14°56	29°58	5°35	F 2
S 3	5 8 21	16°44'39	19°10	25°23	19°34	0♏11	15°48	12°25	16°46	4°11	9°30	15°D 7	14°52	0♒ 4	5°42	S 3
S 4	5 12 18	17°45'49	1♈37	26°33	20°47	0°50	16° 1	12°31	16°49	4° 9	9°30	15° 7	14°49	0°11	5°49	S 4
M 5	5 16 14	18°47'00	14°24	27°47	22° 1	1°30	16°14	12°38	16°52	4° 7	9°31	15° 7	14°46	0°18	5°56	M 5
T 6	5 20 11	19°48'11	27°35	29° 2	23°15	2° 9	16°28	12°44	16°56	4° 6	9°31	15° 7	14°43	0°24	6° 3	T 6
W 7	5 24 8	20°49'21	11♉13	0♐18	24°28	2°48	16°41	12°50	16°59	4° 4	9°31	15° 8	14°40	0°31	6°10	W 7
T 8	5 28 4	21°50'32	25°16	1°37	25°42	3°27	16°55	12°56	17° 2	4° 2	9°32	15° 8	14°37	0°38	6°17	T 8
F 9	5 32 1	22°51'43	9♊43	2°57	26°56	4° 6	17° 8	13° 2	17° 5	4° 1	9°32	15°R 9	14°33	0°44	6°24	F 9
S 10	5 35 57	23°52'54	24°29	4°18	28° 9	4°45	17°22	13° 8	17° 9	3°59	9°33	15° 9	14°30	0°51	6°31	S 10
S 11	5 39 54	24°54'05	9♋27	5°40	29°23	5°24	17°35	13°14	17°12	3°58	9°34	15° 8	14°27	0°58	6°38	S 11
M12	5 43 50	25°55'16	24°28	7° 3	0♒36	6° 3	17°49	13°20	17°15	3°56	9°34	15° 7	14°24	1° 4	6°45	M12
T 13	5 47 47	26°56'28	9♌24	8°28	1°50	6°42	18° 3	13°26	17°19	3°55	9°35	15° 6	14°21	1°11	6°52	T 13
W14	5 51 43	27°57'39	24° 7	9°53	3° 3	7°21	18°16	13°31	17°22	3°53	9°35	15° 4	14°18	1°18	6°59	W14
T 15	5 55 40	28°58'51	8♍31	11°18	4°16	8° 0	18°30	13°37	17°26	3°52	9°36	15° 3	14°14	1°25	7° 5	T 15
F 16	5 59 37	0♑ 0'03	22°34	12°45	5°30	8°39	18°44	13°43	17°29	3°50	9°37	15° 2	14°11	1°31	7°12	F 16
S 17	6 3 33	1° 1'15	6♎15	14°12	6°43	9°18	18°58	13°48	17°32	3°49	9°37	15°D 2	14° 8	1°38	7°19	S 17
S 18	6 7 30	2° 2'28	19°34	15°40	7°56	9°57	19°12	13°54	17°36	3°47	9°38	15° 3	14° 5	1°45	7°26	S 18
M19	6 11 26	3° 3'40	2♏34	17° 8	9° 9	10°36	19°25	14° 0	17°39	3°46	9°39	15° 4	14° 2	1°51	7°33	M19
T 20	6 15 23	4° 4'53	15°16	18°37	10°22	11°16	19°39	14° 5	17°43	3°44	9°40	15° 5	13°58	1°58	7°39	T 20
W21	6 19 19	5° 6'05	27°45	20° 7	11°35	11°55	19°53	14°10	17°46	3°43	9°40	15° 7	13°55	2° 5	7°46	W21
T 22	6 23 16	6° 7'18	10♐ 2	21°37	12°48	12°34	20° 7	14°16	17°50	3°41	9°41	15°R 8	13°52	2°11	7°53	T 22
F 23	6 27 12	7° 8'30	22°10	23° 7	14° 1	13°13	20°21	14°21	17°53	3°40	9°42	15° 8	13°49	2°18	7°59	F 23
S 24	6 31 9	8° 9'42	4♑11	24°38	15°14	13°52	20°35	14°26	17°57	3°39	9°43	15° 6	13°46	2°25	8° 6	S 24
S 25	6 35 6	9°10'53	16° 6	26°10	16°27	14°31	20°49	14°31	18° 0	3°37	9°44	15° 4	13°43	2°31	8°12	S 25
M26	6 39 2	10°12'04	27°58	27°42	17°40	15°10	21° 3	14°36	18° 4	3°36	9°44	15° 0	13°39	2°38	8°19	M26
T 27	6 42 59	11°13'15	9♒48	29°14	18°52	15°49	21°18	14°41	18° 7	3°35	9°45	14°55	13°36	2°45	8°25	T 27
W28	6 46 55	12°14'24	21°38	0♑47	20° 5	16°29	21°32	14°46	18°11	3°33	9°46	14°50	13°33	2°52	8°31	W28
T 29	6 50 52	13°15'33	3♓31	2°21	21°17	17° 8	21°46	14°51	18°14	3°32	9°47	14°45	13°30	2°58	8°38	T 29
F 30	6 54 48	14°16'41	15°30	3°55	22°30	17°47	22° 0	14°56	18°18	3°31	9°48	14°41	13°27	3° 5	8°44	F 30
S 31	6 58 45	15♑17'49	27♓39	5♑29	23♒42	18♏26	22♑14	15♏ 0	18♑21	3♊30	9♓49	14♊38	13♊24	3♒12	8♐50	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s41	17s56	4s58	16s35	2n 9	24s17	1s51	10s18	0n53	23s 4	0s24	13s33	2n 8	22s59	0s28	19n31	1s37	22s14	15s23	22n43	22n43	23s50	17s58	3n24
F 2	22 47	13 51	5 14	16 58	2 2	24 8	1 51	10 32	0 53	23 3	0 24	13 35	2 8	22 58	0 28	19 31	1 37	22 13	15 23	22 43	22 42	23 49	17 59	3 25
S 3	22 54	9 9	5 17	17 21	1 55	23 58	1 52	10 47	0 53	23 1	0 24	13 36	2 8	22 58	0 28	19 30	1 36	22 13	15 22	22 43	22 42	23 48	18 0	3 25
S 4	23 0	4 0	5 5	17 45	1 47	23 48	1 52	11 1	0 52	23 0	0 24	13 38	2 8	22 57	0 28	19 30	1 36	22 12	15 22	22 43	22 41	23 48	18 1	3 25
M 5	23 5	1n27	4 37	18 9	1 39	23 36	1 53	11 15	0 52	22 58	0 24	13 40	2 8	22 57	0 28	19 30	1 36	22 12	15 22	22 43	22 41	23 47	18 2	3 25
T 6	23 10	7 1	3 55	18 33	1 32	23 24	1 53	11 28	0 51	22 56	0 24	13 42	2 8	22 57	0 28	19 30	1 36	22 11	15 21	22 44	22 41	23 46	18 3	3 26
W 7	23 14	12 27	2 58	18 57	1 24	23 11	1 53	11 42	0 51	22 55	0 24	13 44	2 9	22 56	0 28	19 29	1 36	22 11	15 21	22 44	22 40	23 45	18 4	3 26
T 8	23 18	17 26	1 48	19 21	1 16	22 58	1 53	11 56	0 51	22 53	0 24	13 45	2 9	22 56	0 28	19 29	1 36	22 10	15 21	22 44	22 40	23 44	18 5	3 26
F 9	23 22	21 31	0 30	19 45	1 8	22 44	1 54	12 10	0 50	22 52	0 24	13 47	2 9	22 55	0 28	19 29	1 36	22 10	15 21	22 44	22 40	23 43	18 6	3 26
S 10	23 25	24 18	0n52	20 8	1 0	22 29	1 54	12 23	0 50	22 50	0 25	13 49	2 9	22 55	0 28	19 28	1 36	22 9	15 20	22 44	22 39	23 42	18 7	3 27
S 11	23 28	25 24	2 11	20 31	0 52	22 14	1 53	12 37	0 49	22 48	0 25	13 50	2 9	22 54	0 28	19 28	1 36	22 9	15 20	22 44	22 39	23 41	18 8	3 27
M12	23 30	24 38	3 21	20 53	0 44	21 58	1 53	12 50	0 49	22 47	0 25	13 52	2 9	22 54	0 28	19 28	1 36	22 8	15 20	22 43	22 39	23 40	18 9	3 27
T 13	23 31	22 7	4 17	21 14	0 36	21 41	1 53	13 3	0 49	22 45	0 25	13 54	2 9	22 54	0 28	19 28	1 36	22 8	15 19	22 43	22 38	23 40	18 9	3 27
W14	23 33	18 12	4 56	21 35	0 28	21 24	1 53	13 17	0 48	22 43	0 25	13 55	2 9	22 53	0 28	19 27	1 36	22 7	15 19	22 43	22 38	23 39	18 10	3 28
T 15	23 33	13 16	5 15	21 55	0 20	21 6	1 52	13 30	0 48	22 41	0 25	13 57	2 9	22 53	0 28	19 27	1 36	22 7	15 19	22 43	22 37	23 38	18 11	3 28
F 16	23 34	7 46	5 14	22 14	0 13	20 48	1 52	13 43	0 47	22 39	0 25	13 59	2 9	22 52	0 28	19 27	1 36	22 6	15 18	22 43	22 37	23 37	18 12	3 28
S 17	23 33	2 1	4 55	22 32	0 5	20 29	1 51	13 56	0 47	22 37	0 25	14 0	2 10	22 52	0 28	19 27	1 36	22 6	15 18	22 43	22 37	23 36	18 13	3 29
S 18	23 33	3s40	4 21	22 49	0s 2	20 9	1 50	14 8	0 46	22 36	0 25	14 2	2 10	22 51	0 28	19 26	1 36	22 5	15 18	22 43	22 36	23 35	18 14	3 29
M19	23 31	9 4	3 34	23 6	0 10	19 49	1 50	14 21	0 46	22 34	0 25	14 3	2 10	22 51	0 28	19 26	1 36	22 5	15 17	22 43	22 36	23 34	18 14	3 29
T 20	23 30	13 59	2 38	23 21	0 17	19 28	1 49	14 34	0 45	22 32	0 25	14 5	2 10	22 50	0 28	19 26	1 36	22 4	15 17	22 43	22 36	23 33	18 15	3 29
W21	23 28	18 13	1 35	23 35	0 24	19 7	1 48	14 46	0 45	22 30	0 25	14 6	2 10	22 50	0 28	19 26	1 36	22 3	15 17	22 43	22 35	23 32	18 16	3 30
T 22	23 25	21 36	0 28	23 48	0 31	18 45	1 47	14 59	0 44	22 28	0 25	14 8	2 10	22 50	0 28	19 26	1 36	22 3	15 16	22 44	22 35	23 31	18 17	3 30
F 23	23 22	23 58	0s39	24 0	0 37	18 23	1 45	15 11	0 44	22 26	0 26	14 9	2 10	22 49	0 28	19 25	1 36	22 2	15 16	22 44	22 34	23 30	18 17	3 30
S 24	23 18	25 13	1 43	24 11	0 44	18 0	1 44	15 23	0 43	22 24	0 26	14 10	2 11	22 49	0 28	19 25	1 36	22 2	15 16	22 43	22 34	23 29	18 18	3 31
S 25	23 14	25 16	2 42	24 20	0 50	17 37	1 43	15 36	0 43	22 22	0 26	14 12	2 11	22 48	0 28	19 25	1 36	22 1	15 16	22 43	22 34	23 28	18 19	3 31
M26	23 10	24 10	3 34	24 29	0 56	17 14	1 41	15 48	0 42	22 20	0 26	14 13	2 11	22 48	0 28	19 25	1 36	22 0	15 15	22 43	22 33	23 27	18 19	3 31
T 27	23 5	22 0	4 16	24 36	1 2	16 49	1 40	15 59	0 42	22 17	0 26	14 14	2 11	22 47	0 28	19 24	1 36	22 0	15 15	22 42	22 33	23 26	18 20	3 32
W28	23 0	18 54	4 48	24 41	1 8	16 25	1 38	16 11	0 41	22 15	0 26	14 16	2 11	22 47	0 28	19 24	1 36	21 59	15 15	22 42	22 32	23 25	18 21	3 32
T 29	22 54	15 2	5 7	24 46	1 13	16 0	1 37	16 23	0 41	22 13	0 26	14 17	2 11	22 46	0 28	19 24	1 36	21 59	15 14	22 41	22 32	23 24	18 21	3 32
F 30	22 47	10 32	5 13	24 49	1 19	15 35	1 35	16 34	0 40	22 11	0 26	14 18	2 11	22 46	0 28	19 24	1 36	21 58	15 14	22 41	22 32	23 23	18 22	3 33
S 31	22s41	5s36	5s 5	24s50	1s24	15s 9	1s33	16s46	0n40	22s 9	0s26	14s19	2n12	22s45	0s28	19n24	1s36	21s57	15s14	22n40	22n31	23s22	18s23	3n33

Julian Day Number = 2112574.5, Delta T = 19m18s
Ecliptic obliquity = 23°33'36, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°48'10, Lahiri = 10°55'11 Julian Calendar 1 Dec. 1071 == Greg. Calendar 7 Dec. 1071

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1072
geocentric

JANUARY 1072 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 2 42	16♑18'55	10♈ 1	7♑ 4	24♒55	19♏ 5	22♑28	15♏ 5	18♑25	3°R29	9♓50	14°R37	13♊20	3♒18	8♐56	S 1
M 2	7 6 38	17°20'00	22°41	8°40	26° 7	19°44	22°42	15° 9	18°28	3♊28	9°51	14°D36	13°17	3°25	9° 3	M 2
T 3	7 10 35	18°21'04	5♉43	10°16	27°19	20°23	22°57	15°14	18°32	3°26	9°52	14♊38	13°14	3°32	9° 9	T 3
W 4	7 14 31	19°22'07	19°11	11°53	28°31	21° 3	23°11	15°18	18°35	3°25	9°53	14°39	13°11	3°38	9°15	W 4
T 5	7 18 28	20°23'09	3♊ 6	13°31	29°43	21°42	23°25	15°22	18°39	3°24	9°54	14°41	13° 8	3°45	9°21	T 5
F 6	7 22 24	21°24'10	17°29	15° 9	0♓55	22°21	23°39	15°27	18°42	3°23	9°55	14°R41	13° 4	3°52	9°27	F 6
S 7	7 26 21	22°25'10	2♋18	16°47	2° 6	23° 0	23°53	15°31	18°46	3°22	9°57	14°40	13° 1	3°58	9°32	S 7
S 8	7 30 17	23°26'09	17°25	18°27	3°18	23°39	24° 8	15°35	18°50	3°21	9°58	14°37	12°58	4° 5	9°38	S 8
M 9	7 34 14	24°27'07	2♌42	20° 7	4°30	24°18	24°22	15°39	18°53	3°20	9°59	14°32	12°55	4°12	9°44	M 9
T 10	7 38 11	25°28'04	17°59	21°47	5°41	24°57	24°36	15°43	18°57	3°19	10° 0	14°26	12°52	4°19	9°50	T 10
W11	7 42 7	26°29'00	3♍ 4	23°29	6°52	25°37	24°50	15°47	19° 0	3°19	10° 1	14°19	12°49	4°25	9°55	W11
T 12	7 46 4	27°29'55	17°48	25°11	8° 4	26°16	25° 5	15°50	19° 4	3°18	10° 2	14°13	12°45	4°32	10° 1	T 12
F 13	7 50 0	28°30'49	2♎ 6	26°53	9°15	26°55	25°19	15°54	19° 7	3°17	10° 4	14° 8	12°42	4°39	10° 6	F 13
S 14	7 53 57	29°31'42	15°56	28°37	10°26	27°34	25°33	15°57	19°11	3°16	10° 5	14° 5	12°39	4°45	10°12	S 14
S 15	7 57 53	0♒32'35	29°18	0♒21	11°37	28°13	25°47	16° 1	19°14	3°15	10° 6	14°D 4	12°36	4°52	10°17	S 15
M16	8 1 50	1°33'26	12♏15	2° 6	12°47	28°52	26° 1	16° 4	19°18	3°15	10° 7	14° 5	12°33	4°59	10°23	M16
T 17	8 5 46	2°34'17	24°50	3°51	13°58	29°32	26°16	16° 8	19°21	3°14	10° 9	14° 6	12°30	5° 5	10°28	T 17
W18	8 9 43	3°35'06	7♐ 9	5°38	15° 9	0♐11	26°30	16°11	19°24	3°13	10°10	14° 7	12°26	5°12	10°33	W18
T 19	8 13 40	4°35'55	19°15	7°25	16°19	0°50	26°44	16°14	19°28	3°12	10°11	14°R 7	12°23	5°19	10°38	T 19
F 20	8 17 36	5°36'42	1♑12	9°12	17°29	1°29	26°58	16°17	19°31	3°12	10°12	14° 6	12°20	5°25	10°43	F 20
S 21	8 21 33	6°37'29	13° 5	11° 0	18°40	2° 8	27°12	16°20	19°35	3°11	10°14	14° 2	12°17	5°32	10°48	S 21
S 22	8 25 29	7°38'14	24°55	12°49	19°50	2°47	27°26	16°23	19°38	3°11	10°15	13°55	12°14	5°39	10°53	S 22
M23	8 29 26	8°38'57	6♒45	14°38	21° 0	3°26	27°41	16°25	19°42	3°10	10°16	13°46	12°10	5°46	10°58	M23
T 24	8 33 22	9°39'39	18°36	16°28	22° 9	4° 6	27°55	16°28	19°45	3°10	10°18	13°35	12° 7	5°52	11° 3	T 24
W25	8 37 19	10°40'20	0♓30	18°18	23°19	4°45	28° 9	16°30	19°48	3° 9	10°19	13°23	12° 4	5°59	11° 8	W25
T 26	8 41 15	11°40'59	12°29	20° 8	24°28	5°24	28°23	16°33	19°52	3° 9	10°21	13°12	12° 1	6° 6	11°12	T 26
F 27	8 45 12	12°41'36	24°33	21°58	25°38	6° 3	28°37	16°35	19°55	3° 8	10°22	13° 1	11°58	6°12	11°17	F 27
S 28	8 49 9	13°42'11	6♈46	23°48	26°47	6°42	28°51	16°38	19°58	3° 8	10°23	12°53	11°55	6°19	11°22	S 28
S 29	8 53 5	14°42'45	19°10	25°38	27°56	7°21	29° 5	16°40	20° 2	3° 8	10°25	12°47	11°51	6°26	11°26	S 29
M30	8 57 2	15°43'17	1♉48	27°27	29° 5	8° 0	29°19	16°42	20° 5	3° 8	10°26	12°44	11°48	6°32	11°30	M30
T 31	9 0 58	16♒43'47	14♉44	29♒15	0♈13	8♐39	29♑33	16♏44	20♑ 8	3♊ 7	10♓28	12°D43	11♊45	6♒39	11♐35	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s33	0s21	4s43	24s51	1s28	14s43	1s31	16s57	0n39	22s 7	0s26	14s21	2n12	22s45	0s28	19n24	1s36	21s57	15s14	22n40	22n31	23s21	18s23	3n33
M 2	22 26	5n 3	4 7	24 49	1 33	14 16	1 29	17 8	0 39	22 4	0 26	14 22	2 12	22 44	0 28	19 23	1 35	21 56	15 13	22 40	22 31	23 20	18 24	3 34
T 3	22 18	10 24	3 17	24 47	1 37	13 49	1 27	17 19	0 38	22 2	0 26	14 23	2 12	22 44	0 28	19 23	1 35	21 55	15 13	22 40	22 30	23 19	18 24	3 34
W 4	22 9	15 27	2 15	24 42	1 41	13 22	1 24	17 30	0 37	22 0	0 27	14 24	2 12	22 43	0 28	19 23	1 35	21 55	15 13	22 40	22 30	23 18	18 25	3 35
T 5	22 0	19 51	1 3	24 37	1 45	12 55	1 22	17 41	0 37	21 57	0 27	14 25	2 12	22 43	0 28	19 23	1 35	21 54	15 13	22 40	22 29	23 17	18 25	3 35
F 6	21 51	23 13	0n15	24 29	1 48	12 27	1 20	17 52	0 36	21 55	0 27	14 26	2 12	22 42	0 28	19 23	1 35	21 53	15 12	22 41	22 29	23 16	18 26	3 35
S 7	21 41	25 7	1 34	24 21	1 51	11 59	1 17	18 2	0 36	21 53	0 27	14 27	2 13	22 42	0 28	19 23	1 35	21 53	15 12	22 40	22 29	23 15	18 26	3 36
S 8	21 31	25 12	2 49	24 10	1 54	11 30	1 14	18 13	0 35	21 50	0 27	14 28	2 13	22 41	0 28	19 22	1 35	21 52	15 12	22 40	22 28	23 13	18 27	3 36
M 9	21 20	23 24	3 51	23 58	1 57	11 1	1 12	18 23	0 34	21 48	0 27	14 29	2 13	22 41	0 28	19 22	1 35	21 52	15 12	22 39	22 28	23 12	18 27	3 37
T 10	21 9	19 55	4 37	23 45	1 59	10 33	1 9	18 33	0 34	21 45	0 27	14 30	2 13	22 40	0 28	19 22	1 35	21 51	15 12	22 39	22 27	23 11	18 28	3 37
W11	20 58	15 8	5 3	23 29	2 1	10 3	1 6	18 43	0 33	21 43	0 27	14 31	2 13	22 40	0 28	19 22	1 35	21 50	15 11	22 38	22 27	23 10	18 28	3 37
T 12	20 46	9 34	5 9	23 12	2 2	9 34	1 3	18 53	0 33	21 40	0 27	14 32	2 14	22 40	0 28	19 22	1 35	21 50	15 11	22 37	22 27	23 9	18 28	3 38
F 13	20 34	3 39	4 54	22 54	2 3	9 4	1 0	19 3	0 32	21 38	0 27	14 33	2 14	22 39	0 28	19 22	1 35	21 49	15 11	22 37	22 26	23 8	18 29	3 38
S 14	20 21	2s15	4 23	22 33	2 3	8 34	0 57	19 13	0 31	21 35	0 27	14 34	2 14	22 39	0 28	19 22	1 35	21 48	15 11	22 36	22 26	23 7	18 29	3 39
S 15	20 8	7 53	3 38	22 11	2 4	8 4	0 54	19 22	0 31	21 33	0 28	14 35	2 14	22 38	0 28	19 22	1 35	21 48	15 10	22 36	22 25	23 6	18 30	3 39
M16	19 55	13 0	2 44	21 48	2 3	7 34	0 51	19 31	0 30	21 30	0 28	14 35	2 14	22 38	0 28	19 22	1 35	21 47	15 10	22 36	22 25	23 5	18 30	3 39
T 17	19 41	17 25	1 42	21 22	2 3	7 4	0 47	19 41	0 29	21 28	0 28	14 36	2 14	22 37	0 28	19 22	1 35	21 46	15 10	22 36	22 24	23 3	18 30	3 40
W18	19 27	21 0	0 38	20 55	2 1	6 33	0 44	19 50	0 28	21 25	0 28	14 37	2 15	22 37	0 28	19 21	1 35	21 46	15 10	22 37	22 24	23 2	18 30	3 40
T 19	19 13	23 35	0s28	20 26	2 0	6 3	0 40	19 59	0 28	21 22	0 28	14 38	2 15	22 36	0 28	19 21	1 35	21 45	15 10	22 37	22 24	23 1	18 31	3 41
F 20	18 58	25 4	1 31	19 56	1 57	5 32	0 37	20 7	0 27	21 20	0 28	14 38	2 15	22 36	0 28	19 21	1 35	21 44	15 9	22 36	22 23	23 0	18 31	3 41
S 21	18 43	25 23	2 29	19 23	1 55	5 1	0 33	20 16	0 26	21 17	0 28	14 39	2 15	22 35	0 28	19 21	1 35	21 43	15 9	22 36	22 23	22 59	18 31	3 42
S 22	18 27	24 33	3 21	18 50	1 51	4 30	0 29	20 24	0 26	21 14	0 28	14 39	2 15	22 35	0 28	19 21	1 34	21 43	15 9	22 35	22 22	22 58	18 32	3 42
M23	18 11	22 36	4 4	18 14	1 47	3 59	0 25	20 33	0 25	21 12	0 28	14 40	2 16	22 34	0 28	19 21	1 34	21 42	15 9	22 34	22 22	22 56	18 32	3 43
T 24	17 55	19 42	4 36	17 37	1 43	3 27	0 22	20 41	0 24	21 9	0 29	14 41	2 16	22 34	0 28	19 21	1 34	21 41	15 9	22 33	22 22	22 55	18 32	3 43
W25	17 39	15 58	4 56	16 58	1 38	2 56	0 18	20 49	0 23	21 6	0 29	14 41	2 16	22 33	0 28	19 21	1 34	21 41	15 9	22 31	22 21	22 54	18 32	3 43
T 26	17 22	11 35	5 4	16 18	1 32	2 25	0 14	20 56	0 23	21 4	0 29	14 42	2 16	22 33	0 28	19 21	1 34	21 40	15 9	22 30	22 21	22 53	18 32	3 44
F 27	17 5	6 44	4 58	15 36	1 25	1 53	0 9	21 4	0 22	21 1	0 29	14 42	2 16	22 32	0 28	19 21	1 34	21 39	15 8	22 29	22 20	22 52	18 32	3 44
S 28	16 48	1 33	4 38	14 53	1 18	1 22	0 5	21 12	0 21	20 58	0 29	14 43	2 17	22 32	0 28	19 21	1 34	21 39	15 8	22 27	22 20	22 50	18 33	3 45
S 29	16 30	3n45	4 5	14 9	1 11	0 51	0 1	21 19	0 20	20 55	0 29	14 43	2 17	22 31	0 28	19 21	1 34	21 38	15 8	22 27	22 19	22 49	18 33	3 45
M30	16 12	9 2	3 20	13 23	1 2	0 19	0n 3	21 26	0 19	20 52	0 29	14 43	2 17	22 31	0 28	19 21	1 34	21 37	15 8	22 26	22 19	22 48	18 33	3 46
T 31	15s54	14n 3	2s23	12s37	0s53	0n12	0n 8	21s33	0n18	20s50	0s29	14s44	2n17	22s30	0s28	19n21	1s34	21s37	15s 8	22n26	22n19	22s47	18s33	3n46

Julian Day Number = 2112605.5, Delta T = 19m18s
Ecliptic obliquity = 23°33'37, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°48'15, Lahiri = 10°55'15 Julian Calendar 1 Jan. 1072 == Greg. Calendar 7 Jan. 1072

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1072
geocentric

FEBRUARY 1072 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 4 55	17♒44'15	28♉ 2	1♓ 2	1♈22	9♐18	29♑47	16♏46	20♑11	3°R 7	10♓29	12♊43	11♊42	6♒46	11♐39	W 1
T 2	9 8 51	18°44'41	11♊45	2°47	2°30	9°57	0♒ 0	16°47	20°15	3♊ 7	10°30	12°R44	11°39	6°53	11°43	T 2
F 3	9 12 48	19°45'05	25°54	4°30	3°38	10°36	0°14	16°49	20°18	3° 7	10°32	12°43	11°36	6°59	11°47	F 3
S 4	9 16 44	20°45'28	10♋29	6°10	4°46	11°15	0°28	16°51	20°21	3° 7	10°33	12°40	11°32	7° 6	11°51	S 4
S 5	9 20 41	21°45'48	25°27	7°47	5°54	11°55	0°42	16°52	20°24	3° 7	10°35	12°35	11°29	7°13	11°55	S 5
M 6	9 24 38	22°46'06	10♌40	9°21	7° 1	12°34	0°56	16°53	20°27	3° 7	10°36	12°27	11°26	7°19	11°59	M 6
T 7	9 28 34	23°46'23	25°59	10°50	8° 8	13°13	1° 9	16°55	20°30	3°D 7	10°38	12°17	11°23	7°26	12° 2	T 7
W 8	9 32 31	24°46'37	11♍11	12°15	9°15	13°52	1°23	16°56	20°33	3° 7	10°39	12° 6	11°20	7°33	12° 6	W 8
T 9	9 36 27	25°46'50	26° 7	13°34	10°22	14°31	1°37	16°57	20°37	3° 7	10°41	11°56	11°16	7°39	12°10	T 9
F 10	9 40 24	26°47'01	10♎38	14°47	11°29	15°10	1°50	16°58	20°40	3° 7	10°42	11°47	11°13	7°46	12°13	F 10
S 11	9 44 20	27°47'11	24°39	15°54	12°35	15°49	2° 4	16°59	20°43	3° 7	10°44	11°40	11°10	7°53	12°16	S 11
S 12	9 48 17	28°47'19	8♏ 9	16°53	13°41	16°28	2°17	16°59	20°46	3° 7	10°45	11°37	11° 7	8° 0	12°20	S 12
M13	9 52 13	29°47'25	21°11	17°44	14°47	17° 6	2°31	17° 0	20°48	3° 7	10°47	11°35	11° 4	8° 6	12°23	M13
T 14	9 56 10	0♓47'30	3♐49	18°28	15°53	17°45	2°44	17° 1	20°51	3° 7	10°48	11°D35	11° 1	8°13	12°26	T 14
W15	10 0 7	1°47'33	16° 7	19° 3	16°58	18°24	2°58	17° 1	20°54	3° 8	10°50	11°R35	10°57	8°20	12°29	W15
T 16	10 4 3	2°47'34	28°10	19°29	18° 3	19° 3	3°11	17° 2	20°57	3° 8	10°52	11°34	10°54	8°26	12°32	T 16
F 17	10 8 0	3°47'34	10♑ 4	19°46	19° 8	19°42	3°24	17° 2	21° 0	3° 8	10°53	11°31	10°51	8°33	12°35	F 17
S 18	10 11 56	4°47'32	21°53	19°R54	20°12	20°21	3°37	17° 2	21° 3	3° 9	10°55	11°25	10°48	8°40	12°38	S 18
S 19	10 15 53	5°47'28	3♒42	19°53	21°17	21° 0	3°51	17°R 2	21° 6	3° 9	10°56	11°17	10°45	8°46	12°40	S 19
M20	10 19 49	6°47'23	15°32	19°44	22°21	21°39	4° 4	17° 2	21° 8	3°10	10°58	11° 5	10°42	8°53	12°43	M20
T 21	10 23 46	7°47'15	27°27	19°26	23°24	22°18	4°17	17° 2	21°11	3°10	10°59	10°52	10°38	9° 0	12°45	T 21
W22	10 27 42	8°47'05	9♓28	19° 0	24°28	22°56	4°30	17° 1	21°14	3°10	11° 1	10°37	10°35	9° 7	12°48	W22
T 23	10 31 39	9°46'54	21°36	18°27	25°31	23°35	4°43	17° 1	21°16	3°11	11° 2	10°23	10°32	9°13	12°50	T 23
F 24	10 35 36	10°46'40	3♈51	17°47	26°34	24°14	4°56	17° 1	21°19	3°12	11° 4	10° 9	10°29	9°20	12°52	F 24
S 25	10 39 32	11°46'24	16°16	17° 2	27°36	24°53	5° 8	17° 0	21°21	3°12	11° 5	9°58	10°26	9°27	12°54	S 25
S 26	10 43 29	12°46'06	28°50	16°13	28°38	25°31	5°21	16°59	21°24	3°13	11° 7	9°51	10°22	9°33	12°56	S 26
M27	10 47 25	13°45'46	11♉36	15°21	29°40	26°10	5°34	16°59	21°26	3°14	11° 9	9°46	10°19	9°40	12°58	M27
T 28	10 51 22	14°45'23	24°36	14°26	0♉41	26°49	5°46	16°58	21°29	3°14	11°10	9°43	10°16	9°47	13° 0	T 28
W29	10 55 18	15♓44'58	7♊53	13♓31	1♉42	27♐27	5♒59	16♏57	21♑31	3♊15	11♓12	9♊43	10♊13	9♒53	13♐ 2	W29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	15s36	18n34	1s17	11s50	0s43	0n44	0n12	21s40	0n18	20s47	0s29	14s44	2n17	22s30	0s28	19n21	1s34	21s36	15s 8	22n26	22n18	22s45	18s33	3n47
T 2	15 17	22 13	0 5	11 2	0 32	1 15	0 17	21 47	0 17	20 44	0 30	14 44	2 17	22 29	0 28	19 21	1 34	21 35	15 8	22 26	22 18	22 44	18 33	3 47
F 3	14 58	24 39	1n 9	10 14	0 21	1 46	0 21	21 53	0 16	20 41	0 30	14 45	2 18	22 29	0 28	19 21	1 34	21 35	15 8	22 26	22 17	22 43	18 33	3 48
S 4	14 39	25 30	2 22	9 26	0 9	2 18	0 26	22 0	0 15	20 38	0 30	14 45	2 18	22 29	0 28	19 21	1 34	21 34	15 7	22 26	22 17	22 42	18 33	3 48
S 5	14 19	24 32	3 26	8 38	0n 3	2 49	0 30	22 6	0 14	20 35	0 30	14 45	2 18	22 28	0 28	19 21	1 34	21 33	15 7	22 25	22 16	22 40	18 33	3 49
M 6	14 0	21 46	4 17	7 51	0 16	3 20	0 35	22 12	0 13	20 32	0 30	14 45	2 18	22 28	0 28	19 21	1 34	21 33	15 7	22 24	22 16	22 39	18 33	3 49
T 7	13 40	17 27	4 50	7 5	0 30	3 51	0 40	22 18	0 12	20 30	0 30	14 46	2 18	22 27	0 28	19 21	1 34	21 32	15 7	22 23	22 16	22 38	18 33	3 50
W 8	13 20	12 3	5 2	6 20	0 44	4 22	0 44	22 23	0 11	20 27	0 30	14 46	2 19	22 27	0 28	19 21	1 33	21 31	15 7	22 21	22 15	22 37	18 33	3 50
T 9	12 59	6 1	4 53	5 36	0 58	4 53	0 49	22 29	0 11	20 24	0 30	14 46	2 19	22 26	0 28	19 21	1 33	21 31	15 7	22 20	22 15	22 35	18 33	3 51
F 10	12 39	0s10	4 25	4 54	1 13	5 24	0 54	22 34	0 10	20 21	0 31	14 46	2 19	22 26	0 28	19 22	1 33	21 30	15 7	22 19	22 14	22 34	18 33	3 51
S 11	12 18	6 10	3 42	4 15	1 27	5 54	0 59	22 39	0 9	20 18	0 31	14 46	2 19	22 25	0 28	19 22	1 33	21 29	15 7	22 18	22 14	22 33	18 33	3 52
S 12	11 57	11 40	2 47	3 39	1 42	6 25	1 4	22 44	0 8	20 15	0 31	14 46	2 19	22 25	0 28	19 22	1 33	21 29	15 7	22 17	22 13	22 31	18 33	3 52
M13	11 36	16 27	1 46	3 5	1 56	6 55	1 9	22 49	0 7	20 12	0 31	14 46	2 20	22 25	0 28	19 22	1 33	21 28	15 7	22 17	22 13	22 30	18 33	3 53
T 14	11 15	20 21	0 41	2 35	2 11	7 25	1 14	22 54	0 6	20 9	0 31	14 46	2 20	22 24	0 28	19 22	1 33	21 28	15 7	22 17	22 12	22 29	18 32	3 54
W15	10 53	23 14	0s24	2 9	2 24	7 55	1 19	22 58	0 5	20 6	0 31	14 46	2 20	22 24	0 28	19 22	1 33	21 27	15 7	22 17	22 12	22 27	18 32	3 54
T 16	10 32	24 59	1 27	1 46	2 37	8 25	1 24	23 3	0 4	20 3	0 31	14 46	2 20	22 23	0 29	19 22	1 33	21 26	15 7	22 17	22 12	22 26	18 32	3 55
F 17	10 10	25 35	2 25	1 28	2 50	8 54	1 29	23 7	0 3	20 0	0 31	14 46	2 20	22 23	0 29	19 22	1 33	21 26	15 7	22 17	22 11	22 25	18 32	3 55
S 18	9 48	24 59	3 16	1 15	3 1	9 23	1 34	23 11	0 2	19 57	0 32	14 45	2 21	22 22	0 29	19 22	1 33	21 25	15 7	22 16	22 11	22 23	18 32	3 56
S 19	9 26	23 17	3 58	1 6	3 11	9 53	1 39	23 15	0 1	19 54	0 32	14 45	2 21	22 22	0 29	19 23	1 33	21 24	15 7	22 15	22 10	22 22	18 32	3 56
M20	9 4	20 34	4 31	1 1	3 20	10 21	1 45	23 18	0s 1	19 51	0 32	14 45	2 21	22 22	0 29	19 23	1 33	21 24	15 7	22 13	22 10	22 21	18 31	3 57
T 21	8 41	16 58	4 51	1 1	3 28	10 50	1 50	23 22	0 2	19 48	0 32	14 45	2 21	22 21	0 29	19 23	1 33	21 23	15 7	22 11	22 9	22 19	18 31	3 57
W22	8 19	12 40	4 59	1 6	3 34	11 18	1 55	23 25	0 3	19 45	0 32	14 45	2 21	22 21	0 29	19 23	1 33	21 23	15 7	22 9	22 9	22 18	18 31	3 58
T 23	7 56	7 50	4 54	1 15	3 38	11 47	2 0	23 28	0 4	19 42	0 32	14 44	2 22	22 20	0 29	19 23	1 33	21 22	15 7	22 7	22 8	22 17	18 31	3 58
F 24	7 34	2 39	4 35	1 29	3 40	12 14	2 5	23 31	0 5	19 39	0 32	14 44	2 22	22 20	0 29	19 23	1 33	21 21	15 7	22 5	22 8	22 15	18 30	3 59
S 25	7 11	2n42	4 2	1 46	3 40	12 42	2 11	23 34	0 6	19 36	0 33	14 44	2 22	22 20	0 29	19 23	1 32	21 21	15 7	22 4	22 7	22 14	18 30	4 0
S 26	6 48	8 2	3 18	2 6	3 39	13 9	2 16	23 36	0 7	19 33	0 33	14 43	2 22	22 19	0 29	19 24	1 32	21 20	15 7	22 2	22 7	22 12	18 30	4 0
M27	6 25	13 8	2 23	2 30	3 35	13 36	2 21	23 39	0 8	19 30	0 33	14 43	2 22	22 19	0 29	19 24	1 32	21 20	15 7	22 2	22 7	22 11	18 29	4 1
T 28	6 2	17 44	1 19	2 56	3 30	14 3	2 26	23 41	0 10	19 27	0 33	14 42	2 23	22 19	0 29	19 24	1 32	21 19	15 7	22 1	22 6	22 10	18 29	4 1
W29	5s39	21n34	0s10	3s24	3n22	14n29	2n31	23s43	0s11	19s24	0s33	14s42	2n23	22s18	0s29	19n24	1s32	21s18	15s 7	22n 1	22n 6	22s 8	18s29	4n 2

Julian Day Number = 2112636.5, Delta T = 19m18s
Ecliptic obliquity = 23°33'37, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°48'19, Lahiri = 10°55'19 Julian Calendar 1 Feb. 1072 == Greg. Calendar 7 Feb. 1072

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1072
geocentric

MARCH 1072 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 59 15	16♓44'31	21♊28	12°R36	2♉42	28♐ 6	6♒11	16°R56	21♑34	3♊16	11♓13	9°R43	10♊10	10♒ 0	13♐ 3	T 1
F 2	11 3 11	17°44'01	5♋25	11♓43	3°42	28°45	6°24	16♏55	21°36	3°17	11°15	9♊42	10° 7	10° 7	13° 5	F 2
S 3	11 7 8	18°43'29	19°44	10°52	4°42	29°23	6°36	16°53	21°38	3°17	11°16	9°39	10° 3	10°14	13° 6	S 3
S 4	11 11 5	19°42'55	4♌23	10° 4	5°41	0♑ 2	6°48	16°52	21°41	3°18	11°18	9°34	10° 0	10°20	13° 8	S 4
M 5	11 15 1	20°42'18	19°16	9°21	6°40	0°40	7° 1	16°51	21°43	3°19	11°19	9°26	9°57	10°27	13° 9	M 5
T 6	11 18 58	21°41'39	4♍18	8°42	7°38	1°19	7°13	16°49	21°45	3°20	11°21	9°16	9°54	10°34	13°10	T 6
W 7	11 22 54	22°40'58	19°19	8° 8	8°36	1°57	7°25	16°47	21°47	3°21	11°22	9° 5	9°51	10°40	13°11	W 7
T 8	11 26 51	23°40'14	4♎ 8	7°40	9°33	2°36	7°37	16°46	21°49	3°22	11°24	8°54	9°47	10°47	13°12	T 8
F 9	11 30 47	24°39'29	18°37	7°17	10°30	3°14	7°49	16°44	21°51	3°23	11°25	8°45	9°44	10°54	13°13	F 9
S 10	11 34 44	25°38'41	2♏41	7° 0	11°26	3°52	8° 1	16°42	21°53	3°24	11°27	8°38	9°41	11° 1	13°14	S 10
S 11	11 38 40	26°37'52	16°16	6°49	12°22	4°31	8°12	16°40	21°55	3°25	11°28	8°33	9°38	11° 7	13°15	S 11
M12	11 42 37	27°37'01	29°24	6°D44	13°17	5° 9	8°24	16°38	21°57	3°26	11°30	8°31	9°35	11°14	13°15	M12
T 13	11 46 33	28°36'08	12♐ 7	6°45	14°11	5°47	8°35	16°36	21°59	3°27	11°31	8°D31	9°32	11°21	13°16	T 13
W14	11 50 30	29°35'13	24°28	6°51	15° 5	6°25	8°47	16°34	22° 1	3°29	11°33	8°R31	9°28	11°27	13°16	W14
T 15	11 54 27	0♈34'17	6♑34	7° 2	15°58	7° 4	8°58	16°31	22° 3	3°30	11°34	8°31	9°25	11°34	13°16	T 15
F 16	11 58 23	1°33'18	18°30	7°18	16°51	7°42	9°10	16°29	22° 5	3°31	11°36	8°30	9°22	11°41	13°16	F 16
S 17	12 2 20	2°32'18	0♒21	7°39	17°43	8°20	9°21	16°26	22° 6	3°32	11°37	8°26	9°19	11°47	13°R17	S 17
S 18	12 6 16	3°31'16	12°10	8° 5	18°34	8°58	9°32	16°24	22° 8	3°34	11°39	8°20	9°16	11°54	13°17	S 18
M19	12 10 13	4°30'12	24° 4	8°35	19°25	9°36	9°43	16°21	22°10	3°35	11°40	8°11	9°13	12° 1	13°16	M19
T 20	12 14 9	5°29'06	6♓ 3	9°10	20°14	10°14	9°54	16°18	22°11	3°36	11°42	8° 1	9° 9	12° 8	13°16	T 20
W21	12 18 6	6°27'58	18°12	9°48	21° 3	10°52	10° 5	16°15	22°13	3°38	11°43	7°49	9° 6	12°14	13°16	W21
T 22	12 22 2	7°26'48	0♈31	10°30	21°52	11°30	10°15	16°12	22°14	3°39	11°45	7°38	9° 3	12°21	13°16	T 22
F 23	12 25 59	8°25'36	13° 0	11°16	22°39	12° 8	10°26	16° 9	22°16	3°40	11°46	7°27	9° 0	12°28	13°15	F 23
S 24	12 29 56	9°24'22	25°41	12° 5	23°25	12°45	10°37	16° 6	22°17	3°42	11°47	7°19	8°57	12°34	13°14	S 24
S 25	12 33 52	10°23'06	8♉33	12°58	24°11	13°23	10°47	16° 3	22°18	3°43	11°49	7°13	8°53	12°41	13°14	S 25
M26	12 37 49	11°21'48	21°37	13°53	24°55	14° 1	10°57	16° 0	22°20	3°45	11°50	7° 9	8°50	12°48	13°13	M26
T 27	12 41 45	12°20'28	4♊52	14°52	25°39	14°38	11° 8	15°57	22°21	3°46	11°52	7°D 8	8°47	12°55	13°12	T 27
W28	12 45 42	13°19'06	18°20	15°53	26°22	15°16	11°18	15°53	22°22	3°48	11°53	7° 8	8°44	13° 1	13°11	W28
T 29	12 49 38	14°17'41	2♋ 0	16°57	27° 3	15°53	11°28	15°50	22°23	3°49	11°54	7° 9	8°41	13° 8	13°10	T 29
F 30	12 53 35	15°16'14	15°55	18° 4	27°44	16°31	11°37	15°47	22°24	3°51	11°56	7°R10	8°38	13°15	13° 9	F 30
S 31	12 57 31	16♈14'45	0♌ 4	19♓13	28♉23	17♑ 8	11♒47	15♏43	22♑25	3♊53	11♓57	7♊ 9	8♊34	13♒21	13♐ 8	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	5s16	24n19	1n 2	3s53	3n13	14n55	2n37	23s45	0s12	19s21	0s33	14s42	2n23	22s18	0s29	19n24	1s32	21s18	15s 7	22n 1	22n 5	22s 7	18s28	4n 2	
F 2	4 52	25 38	2 11	4 23	3 3	15 21	2 42	23 46	0 13	19 18	0 33	14 41	2 23	22 18	0 29	19 25	1 32	21 17	15 7	22 1	22 5	22 5	18 28	4 3	
S 3	4 29	25 18	3 15	4 53	2 51	15 46	2 47	23 48	0 14	19 16	0 34	14 41	2 23	22 17	0 29	19 25	1 32	21 17	15 7	22 1	22 4	22 4	18 28	4 3	
S 4	4 6	23 15	4 6	5 23	2 38	16 11	2 52	23 49	0 16	19 13	0 34	14 40	2 24	22 17	0 29	19 25	1 32	21 16	15 7	22 0	22 4	22 2	18 27	4 4	
M 5	3 42	19 35	4 43	5 53	2 24	16 36	2 57	23 50	0 17	19 10	0 34	14 39	2 24	22 17	0 29	19 25	1 32	21 16	15 7	21 59	22 3	22 1	18 27	4 5	
T 6	3 19	14 37	5 0	6 21	2 10	17 0	3 2	23 51	0 18	19 7	0 34	14 39	2 24	22 16	0 29	19 26	1 32	21 15	15 7	21 57	22 3	22 0	18 26	4 5	
W 7	2 55	8 47	4 56	6 47	1 55	17 24	3 7	23 52	0 19	19 4	0 34	14 38	2 24	22 16	0 29	19 26	1 32	21 15	15 7	21 55	22 2	21 58	18 26	4 6	
T 8	2 32	2 31	4 32	7 12	1 40	17 47	3 12	23 53	0 21	19 1	0 34	14 38	2 24	22 16	0 29	19 26	1 32	21 14	15 7	21 54	22 2	21 57	18 26	4 6	
F 9	2 8	3s46	3 52	7 34	1 24	18 10	3 17	23 53	0 22	18 58	0 35	14 37	2 24	22 15	0 29	19 26	1 32	21 14	15 7	21 52	22 1	21 55	18 25	4 7	
S 10	1 44	9 41	2 58	7 55	1 9	18 32	3 22	23 54	0 23	18 55	0 35	14 36	2 25	22 15	0 29	19 27	1 32	21 13	15 7	21 51	22 1	21 54	18 25	4 7	
S 11	1 21	14 57	1 55	8 13	0 54	18 55	3 27	23 54	0 25	18 52	0 35	14 35	2 25	22 15	0 29	19 27	1 32	21 13	15 8	21 51	22 0	21 52	18 24	4 8	
M12	0 57	19 20	0 48	8 29	0 38	19 16	3 32	23 54	0 26	18 49	0 35	14 35	2 25	22 14	0 29	19 27	1 32	21 12	15 8	21 50	22 0	21 51	18 24	4 9	
T 13	0 34	22 40	0s19	8 43	0 24	19 37	3 37	23 54	0 28	18 46	0 35	14 34	2 25	22 14	0 29	19 27	1 31	21 12	15 8	21 50	21 59	21 49	18 23	4 9	
W14	0 10	24 50	1 24	8 54	0 9	19 58	3 42	23 53	0 29	18 43	0 35	14 33	2 25	22 14	0 29	19 28	1 31	21 11	15 8	21 50	21 59	21 48	18 23	4 10	
T 15	0n14	25 47	2 23	9 3	0s 5	20 19	3 46	23 53	0 30	18 41	0 36	14 32	2 25	22 14	0 29	19 28	1 31	21 11	15 8	21 50	21 59	21 46	18 22	4 10	
F 16	0 37	25 30	3 16	9 9	0 18	20 38	3 51	23 52	0 32	18 38	0 36	14 31	2 26	22 13	0 29	19 28	1 31	21 10	15 8	21 50	21 58	21 45	18 21	4 11	
S 17	1 1	24 4	3 59	9 13	0 31	20 58	3 55	23 51	0 33	18 35	0 36	14 31	2 26	22 13	0 29	19 28	1 31	21 10	15 8	21 49	21 58	21 43	18 21	4 11	
S 18	1 24	21 35	4 32	9 15	0 43	21 17	4 0	23 50	0 35	18 32	0 36	14 30	2 26	22 13	0 29	19 29	1 31	21 9	15 8	21 48	21 57	21 42	18 20	4 12	
M19	1 48	18 11	4 54	9 15	0 55	21 35	4 4	23 49	0 36	18 29	0 36	14 29	2 26	22 13	0 29	19 29	1 31	21 9	15 9	21 47	21 57	21 40	18 20	4 13	
T 20	2 11	14 1	5 3	9 12	1 6	21 53	4 9	23 48	0 38	18 27	0 36	14 28	2 26	22 12	0 29	19 29	1 31	21 8	15 9	21 45	21 56	21 38	18 19	4 13	
W21	2 35	9 15	4 58	9 7	1 17	22 10	4 13	23 46	0 39	18 24	0 37	14 27	2 26	22 12	0 29	19 30	1 31	21 8	15 9	21 43	21 56	21 37	18 19	4 14	
T 22	2 58	4 4	4 40	9 0	1 27	22 27	4 17	23 44	0 41	18 21	0 37	14 26	2 26	22 12	0 29	19 30	1 31	21 8	15 9	21 42	21 55	21 35	18 18	4 14	
F 23	3 21	1n22	4 7	8 51	1 36	22 44	4 21	23 43	0 42	18 18	0 37	14 25	2 26	22 12	0 29	19 30	1 31	21 7	15 9	21 40	21 55	21 34	18 17	4 15	
S 24	3 45	6 50	3 23	8 41	1 45	22 59	4 25	23 41	0 44	18 16	0 37	14 24	2 27	22 12	0 30	19 31	1 31	21 7	15 9	21 38	21 54	21 32	18 17	4 15	
S 25	4 8	12 7	2 27	8 28	1 53	23 15	4 29	23 38	0 46	18 13	0 37	14 23	2 27	22 11	0 30	19 31	1 31	21 6	15 10	21 37	21 54	21 31	18 16	4 16	
M26	4 31	16 56	1 22	8 13	2 0	23 30	4 32	23 36	0 47	18 10	0 38	14 22	2 27	22 11	0 30	19 31	1 31	21 6	15 10	21 37	21 53	21 29	18 15	4 17	
T 27	4 54	21 1	0 12	7 57	2 7	23 44	4 36	23 34	0 49	18 8	0 38	14 21	2 27	22 11	0 30	19 32	1 31	21 6	15 10	21 37	21 53	21 28	18 15	4 17	
W28	5 17	24 2	1n 0	7 38	2 14	23 58	4 39	23 31	0 51	18 5	0 38	14 20	2 27	22 11	0 30	19 32	1 31	21 5	15 10	21 37	21 52	21 26	18 14	4 18	
T 29	5 40	25 42	2 9	7 19	2 19	24 11	4 43	23 28	0 52	18 3	0 38	14 19	2 27	22 11	0 30	19 32	1 31	21 5	15 10	21 37	21 52	21 24	18 13	4 18	
F 30	6 3	25 48	3 13	6 57	2 24	24 23	4 46	23 26	0 54	18 0	0 38	14 18	2 27	22 11	0 30	19 33	1 31	21 5	15 11	21 37	21 51	21 23	18 13	4 19	
S 31	6n25	24n14	4n 5	6s34	2s29	24n35	4n49	23s23	0s56	17s57	0s39	14s17	2n27	22s10	0s30	19n33	1s31	21s 4	15s11	21n37	21n51	21s21	18s12	4n19	

Julian Day Number = 2112665.5, Delta T = 19m17s
Ecliptic obliquity = 23°33'38, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°48'23, Lahiri = 10°55'23 Julian Calendar 1 March 1072 == Greg. Calendar 7 March 1072

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1072
geocentric

APRIL 1072 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 1 28	17♈13'13	14♌26	20♓25	29♉ 1	17♑45	11♒57	15°R39	22♑26	3♊54	11♓58	7°R 6	8♊31	13♒28	13°R 6	S 1
M 2	13 5 25	18°11'40	28°57	21°39	29°38	18°23	12° 6	15♏36	22°27	3°56	12° 0	7♊ 1	8°28	13°35	13♐ 5	M 2
T 3	13 9 21	19°10'04	13♍33	22°55	0♊14	19° 0	12°16	15°32	22°28	3°58	12° 1	6°55	8°25	13°42	13° 4	T 3
W 4	13 13 18	20° 8'26	28° 8	24°13	0°48	19°37	12°25	15°28	22°29	3°59	12° 2	6°48	8°22	13°48	13° 2	W 4
T 5	13 17 14	21° 6'45	12♎35	25°33	1°21	20°14	12°34	15°24	22°30	4° 1	12° 3	6°41	8°19	13°55	13° 0	T 5
F 6	13 21 11	22° 5'03	26°47	26°56	1°52	20°51	12°43	15°21	22°31	4° 3	12° 5	6°34	8°15	14° 2	12°59	F 6
S 7	13 25 7	23° 3'20	10♏40	28°20	2°22	21°28	12°52	15°17	22°31	4° 5	12° 6	6°30	8°12	14° 8	12°57	S 7
S 8	13 29 4	24° 1'34	24° 9	29°47	2°50	22° 4	13° 1	15°13	22°32	4° 6	12° 7	6°27	8° 9	14°15	12°55	S 8
M 9	13 33 0	24°59'47	7♐16	1♈16	3°17	22°41	13°10	15° 9	22°33	4° 8	12° 8	6°D27	8° 6	14°22	12°53	M 9
T 10	13 36 57	25°57'58	20° 0	2°46	3°42	23°18	13°18	15° 5	22°33	4°10	12° 9	6°27	8° 3	14°28	12°51	T 10
W11	13 40 54	26°56'08	2♑24	4°18	4° 6	23°54	13°27	15° 0	22°34	4°12	12°11	6°29	7°59	14°35	12°49	W11
T 12	13 44 50	27°54'16	14°33	5°53	4°27	24°31	13°35	14°56	22°34	4°14	12°12	6°30	7°56	14°42	12°46	T 12
F 13	13 48 47	28°52'23	26°32	7°29	4°47	25° 7	13°43	14°52	22°35	4°16	12°13	6°R31	7°53	14°49	12°44	F 13
S 14	13 52 43	29°50'28	8♒25	9° 7	5° 5	25°43	13°51	14°48	22°35	4°18	12°14	6°31	7°50	14°55	12°42	S 14
S 15	13 56 40	0♉48'32	20°17	10°47	5°21	26°19	13°59	14°44	22°35	4°19	12°15	6°29	7°47	15° 2	12°39	S 15
M16	14 0 36	1°46'34	2♓13	12°29	5°35	26°56	14° 7	14°39	22°36	4°21	12°16	6°25	7°44	15° 9	12°37	M16
T 17	14 4 33	2°44'35	14°17	14°13	5°47	27°32	14°14	14°35	22°36	4°23	12°17	6°21	7°40	15°15	12°34	T 17
W18	14 8 29	3°42'34	26°31	15°59	5°57	28° 7	14°22	14°31	22°36	4°25	12°18	6°15	7°37	15°22	12°31	W18
T 19	14 12 26	4°40'32	8♈59	17°46	6° 4	28°43	14°29	14°26	22°36	4°27	12°19	6°10	7°34	15°29	12°29	T 19
F 20	14 16 22	5°38'28	21°42	19°36	6°10	29°19	14°36	14°22	22°36	4°29	12°20	6° 5	7°31	15°36	12°26	F 20
S 21	14 20 19	6°36'23	4♉41	21°27	6°13	29°54	14°43	14°18	22°R36	4°31	12°22	6° 1	7°28	15°42	12°23	S 21
S 22	14 24 16	7°34'16	17°54	23°21	6°R14	0♒30	14°50	14°13	22°36	4°33	12°22	5°58	7°24	15°49	12°20	S 22
M23	14 28 12	8°32'08	1♊20	25°16	6°12	1° 5	14°57	14° 9	22°36	4°35	12°23	5°D57	7°21	15°56	12°17	M23
T 24	14 32 9	9°29'58	14°59	27°13	6° 8	1°40	15° 3	14° 4	22°36	4°37	12°24	5°57	7°18	16° 2	12°14	T 24
W25	14 36 5	10°27'47	28°49	29°12	6° 2	2°15	15° 9	14° 0	22°36	4°40	12°25	5°59	7°15	16° 9	12°11	W25
T 26	14 40 2	11°25'34	12♋47	1♉13	5°53	2°50	15°16	13°55	22°36	4°42	12°26	6° 0	7°12	16°16	12° 7	T 26
F 27	14 43 58	12°23'19	26°52	3°15	5°42	3°25	15°22	13°51	22°35	4°44	12°27	6° 1	7° 9	16°23	12° 4	F 27
S 28	14 47 55	13°21'02	11♌ 3	5°20	5°28	3°59	15°28	13°46	22°35	4°46	12°28	6°R 2	7° 5	16°29	12° 1	S 28
S 29	14 51 52	14°18'44	25°17	7°25	5°12	4°34	15°33	13°42	22°35	4°48	12°29	6° 1	7° 2	16°36	11°57	S 29
M30	14 55 48	15♉16'24	9♍32	9♉32	4♊53	5♒ 8	15♒39	13♏38	22♑34	4♊50	12♓30	6♊ 0	6♊59	16♒43	11♐54	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n48	21n 6	4n44	6s 9	2s32	24n47	4n51	23s19	0s57	17s55	0s39	14s16	2n27	22s10	0s30	19n33	1s31	21s 4	15s11	21n36	21n50	21s20	18s11	4n20
M 2	7 10	16 38	5 4	5 43	2 36	24 57	4 54	23 16	0 59	17 52	0 39	14 14	2 28	22 10	0 30	19 34	1 31	21 4	15 11	21 36	21 50	21 18	18 11	4 20
T 3	7 32	11 11	5 5	5 15	2 38	25 8	4 56	23 13	1 1	17 50	0 39	14 13	2 28	22 10	0 30	19 34	1 30	21 3	15 11	21 34	21 49	21 16	18 10	4 21
W 4	7 55	5 7	4 46	4 46	2 40	25 17	4 59	23 9	1 3	17 48	0 39	14 12	2 28	22 10	0 30	19 34	1 30	21 3	15 12	21 33	21 49	21 15	18 9	4 21
T 5	8 17	1s10	4 9	4 15	2 42	25 26	5 1	23 6	1 5	17 45	0 40	14 11	2 28	22 10	0 30	19 35	1 30	21 3	15 12	21 32	21 48	21 13	18 9	4 22
F 6	8 39	7 19	3 17	3 43	2 43	25 35	5 3	23 2	1 6	17 43	0 40	14 10	2 28	22 10	0 30	19 35	1 30	21 3	15 12	21 31	21 48	21 11	18 8	4 22
S 7	9 0	12 58	2 15	3 9	2 43	25 42	5 4	22 58	1 8	17 40	0 40	14 8	2 28	22 10	0 30	19 35	1 30	21 2	15 12	21 30	21 47	21 10	18 7	4 23
S 8	9 22	17 50	1 6	2 35	2 43	25 49	5 5	22 54	1 10	17 38	0 40	14 7	2 28	22 10	0 30	19 36	1 30	21 2	15 13	21 30	21 47	21 8	18 6	4 23
M 9	9 43	21 42	0s 4	1 59	2 42	25 56	5 7	22 49	1 12	17 36	0 40	14 6	2 28	22 9	0 30	19 36	1 30	21 2	15 13	21 30	21 46	21 6	18 6	4 24
T 10	10 5	24 24	1 13	1 21	2 41	26 2	5 7	22 45	1 14	17 34	0 41	14 5	2 28	22 9	0 30	19 37	1 30	21 2	15 13	21 30	21 46	21 5	18 5	4 24
W11	10 26	25 49	2 16	0 43	2 39	26 7	5 8	22 41	1 16	17 31	0 41	14 4	2 28	22 9	0 30	19 37	1 30	21 1	15 13	21 30	21 45	21 3	18 4	4 25
T 12	10 47	25 57	3 12	0 3	2 37	26 11	5 8	22 36	1 18	17 29	0 41	14 2	2 28	22 9	0 30	19 37	1 30	21 1	15 14	21 30	21 45	21 1	18 3	4 25
F 13	11 8	24 51	3 59	0n38	2 34	26 15	5 8	22 32	1 20	17 27	0 41	14 1	2 28	22 9	0 30	19 38	1 30	21 1	15 14	21 30	21 44	21 0	18 3	4 26
S 14	11 28	22 40	4 35	1 20	2 30	26 18	5 8	22 27	1 22	17 25	0 42	14 0	2 28	22 9	0 30	19 38	1 30	21 1	15 14	21 30	21 44	20 58	18 2	4 26
S 15	11 49	19 31	4 59	2 3	2 26	26 20	5 7	22 22	1 24	17 23	0 42	13 59	2 28	22 9	0 30	19 38	1 30	21 1	15 14	21 30	21 43	20 56	18 1	4 27
M16	12 9	15 33	5 10	2 47	2 21	26 21	5 6	22 17	1 26	17 21	0 42	13 57	2 28	22 9	0 30	19 39	1 30	21 0	15 15	21 29	21 43	20 55	18 0	4 27
T 17	12 29	10 57	5 8	3 32	2 16	26 22	5 4	22 12	1 28	17 19	0 42	13 56	2 28	22 9	0 30	19 39	1 30	21 0	15 15	21 29	21 42	20 53	17 59	4 28
W18	12 49	5 51	4 52	4 18	2 11	26 22	5 3	22 7	1 30	17 17	0 42	13 55	2 28	22 9	0 30	19 40	1 30	21 0	15 15	21 28	21 41	20 51	17 59	4 28
T 19	13 9	0 26	4 22	5 5	2 5	26 21	5 0	22 1	1 32	17 15	0 43	13 53	2 28	22 9	0 30	19 40	1 30	21 0	15 16	21 27	21 41	20 49	17 58	4 29
F 20	13 28	5n 8	3 38	5 53	1 58	26 20	4 58	21 56	1 34	17 13	0 43	13 52	2 28	22 9	0 30	19 40	1 30	21 0	15 16	21 26	21 40	20 48	17 57	4 29
S 21	13 47	10 35	2 43	6 42	1 51	26 17	4 54	21 51	1 37	17 11	0 43	13 51	2 28	22 9	0 30	19 41	1 30	21 0	15 16	21 25	21 40	20 46	17 56	4 30
S 22	14 6	15 42	1 37	7 31	1 43	26 14	4 51	21 45	1 39	17 9	0 43	13 50	2 28	22 9	0 30	19 41	1 30	20 59	15 16	21 25	21 39	20 44	17 55	4 30
M23	14 25	20 7	0 25	8 21	1 35	26 9	4 47	21 40	1 41	17 8	0 44	13 48	2 28	22 9	0 30	19 42	1 30	20 59	15 17	21 25	21 39	20 43	17 54	4 31
T 24	14 44	23 32	0n49	9 11	1 27	26 4	4 42	21 34	1 43	17 6	0 44	13 47	2 28	22 9	0 31	19 42	1 30	20 59	15 17	21 25	21 38	20 41	17 54	4 31
W25	15 2	25 35	2 2	10 2	1 18	25 58	4 37	21 28	1 45	17 4	0 44	13 46	2 28	22 9	0 31	19 42	1 30	20 59	15 17	21 25	21 38	20 39	17 53	4 31
T 26	15 20	26 4	3 9	10 53	1 9	25 51	4 32	21 22	1 48	17 3	0 44	13 44	2 28	22 10	0 31	19 43	1 30	20 59	15 18	21 25	21 37	20 37	17 52	4 32
F 27	15 38	24 53	4 4	11 44	0 59	25 43	4 25	21 16	1 50	17 1	0 45	13 43	2 28	22 10	0 31	19 43	1 30	20 59	15 18	21 25	21 37	20 35	17 51	4 32
S 28	15 56	22 7	4 45	12 36	0 49	25 34	4 19	21 10	1 52	17 0	0 45	13 42	2 28	22 10	0 31	19 44	1 30	20 59	15 18	21 25	21 36	20 34	17 50	4 33
S 29	16 13	18 0	5 9	13 27	0 39	25 24	4 11	21 4	1 55	16 58	0 45	13 40	2 28	22 10	0 31	19 44	1 30	20 59	15 19	21 25	21 36	20 32	17 49	4 33
M30	16n30	12n52	5n14	14n17	0s29	25n13	4n 4	20s58	1s57	16s57	0s45	13s39	2n28	22s10	0s31	19n44	1s30	20s59	15s19	21n25	21n35	20s30	17s49	4n34

Julian Day Number = 2112696.5, Delta T = 19m17s
Ecliptic obliquity = 23°33'38, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°48'27, Lahiri = 10°55'28 Julian Calendar 1 Apr. 1072 == Greg. Calendar 7 Apr. 1072

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1072
geocentric

MAY 1072 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 59 45	16♉14'02	23♍44	11♉41	4°R33	5♒42	15♒44	13°R33	22°R34	4♊52	12♓31	5°R58	6♊56	16♒49	11°R50	T 1
W 2	15 3 41	17°11'39	7♎52	13°50	4♊10	6°16	15°50	13♏29	22♑33	4°54	12°31	5♊56	6°53	16°56	11♐47	W 2
T 3	15 7 38	18° 9'14	21°50	16° 1	3°44	6°50	15°55	13°24	22°33	4°57	12°32	5°53	6°50	17° 3	11°43	T 3
F 4	15 11 34	19° 6'48	5♏36	18°12	3°17	7°23	16° 0	13°20	22°32	4°59	12°33	5°51	6°46	17°10	11°40	F 4
S 5	15 15 31	20° 4'20	19° 7	20°23	2°48	7°57	16° 5	13°15	22°31	5° 1	12°34	5°50	6°43	17°16	11°36	S 5
S 6	15 19 27	21° 1'52	2♐20	22°35	2°17	8°30	16° 9	13°11	22°31	5° 3	12°34	5°D49	6°40	17°23	11°32	S 6
M 7	15 23 24	21°59'22	15°16	24°47	1°45	9° 3	16°14	13° 7	22°30	5° 5	12°35	5°49	6°37	17°30	11°28	M 7
T 8	15 27 20	22°56'52	27°54	26°58	1°11	9°36	16°18	13° 2	22°29	5° 7	12°36	5°50	6°34	17°36	11°25	T 8
W 9	15 31 17	23°54'20	10♑16	29° 9	0°36	10° 9	16°22	12°58	22°28	5°10	12°36	5°51	6°30	17°43	11°21	W 9
T 10	15 35 14	24°51'47	22°25	1♊18	29♉59	10°42	16°26	12°53	22°27	5°12	12°37	5°52	6°27	17°50	11°17	T 10
F 11	15 39 10	25°49'14	4♒25	3°27	29°23	11°14	16°29	12°49	22°26	5°14	12°38	5°53	6°24	17°57	11°13	F 11
S 12	15 43 7	26°46'40	16°19	5°34	28°45	11°46	16°33	12°45	22°25	5°16	12°38	5°54	6°21	18° 3	11° 9	S 12
S 13	15 47 3	27°44'05	28°13	7°40	28° 7	12°18	16°36	12°41	22°24	5°18	12°39	5°R54	6°18	18°10	11° 5	S 13
M14	15 51 0	28°41'29	10♓10	9°43	27°30	12°50	16°40	12°36	22°23	5°21	12°39	5°54	6°15	18°17	11° 1	M14
T 15	15 54 56	29°38'53	22°14	11°45	26°52	13°21	16°43	12°32	22°22	5°23	12°40	5°53	6°11	18°23	10°57	T 15
W16	15 58 53	0♊36'15	4♈32	13°45	26°15	13°53	16°45	12°28	22°21	5°25	12°40	5°53	6° 8	18°30	10°53	W16
T 17	16 2 49	1°33'37	17° 5	15°43	25°39	14°24	16°48	12°24	22°20	5°27	12°41	5°52	6° 5	18°37	10°49	T 17
F 18	16 6 46	2°30'59	29°56	17°38	25° 3	14°55	16°51	12°20	22°19	5°30	12°41	5°52	6° 2	18°44	10°45	F 18
S 19	16 10 43	3°28'20	13♉ 8	19°31	24°29	15°25	16°53	12°16	22°17	5°32	12°42	5°51	5°59	18°50	10°41	S 19
S 20	16 14 39	4°25'40	26°39	21°21	23°56	15°55	16°55	12°12	22°16	5°34	12°42	5°51	5°56	18°57	10°37	S 20
M21	16 18 36	5°23'00	10♊28	23° 9	23°24	16°25	16°57	12° 8	22°15	5°36	12°43	5°51	5°52	19° 4	10°33	M21
T 22	16 22 32	6°20'19	24°33	24°55	22°54	16°55	16°58	12° 4	22°13	5°39	12°43	5°51	5°49	19°11	10°29	T 22
W23	16 26 29	7°17'37	8♋50	26°38	22°26	17°25	17° 0	12° 0	22°12	5°41	12°43	5°51	5°46	19°17	10°24	W23
T 24	16 30 25	8°14'54	23°13	28°19	22° 0	17°54	17° 1	11°56	22°10	5°43	12°44	5°51	5°43	19°24	10°20	T 24
F 25	16 34 22	9°12'11	7♌39	29°57	21°36	18°23	17° 2	11°53	22° 9	5°45	12°44	5°51	5°40	19°31	10°16	F 25
S 26	16 38 19	10° 9'26	22° 3	1♋32	21°14	18°51	17° 3	11°49	22° 7	5°48	12°44	5°50	5°36	19°37	10°12	S 26
S 27	16 42 15	11° 6'40	6♍20	3° 5	20°54	19°19	17° 4	11°45	22° 6	5°50	12°44	5°D50	5°33	19°44	10° 8	S 27
M28	16 46 12	12° 3'54	20°29	4°35	20°37	19°47	17° 5	11°42	22° 4	5°52	12°45	5°50	5°30	19°51	10° 4	M28
T 29	16 50 8	13° 1'07	4♎26	6° 3	20°22	20°15	17° 5	11°38	22° 2	5°54	12°45	5°51	5°27	19°58	10° 0	T 29
W30	16 54 5	13°58'19	18°12	7°27	20° 9	20°42	17°R 5	11°35	22° 1	5°57	12°45	5°51	5°24	20° 4	9°56	W30
T 31	16 58 1	14♊55'30	1♏45	8♋50	19♉59	21♒ 9	17♒ 5	11♏32	21♑59	5♊59	12♓45	5♊52	5♊21	20♒11	9♐51	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n47	7n 5	5n 0	15n 8	0s18	25n 0	3n55	20s52	1s59	16s55	0s46	13s38	2n28	22s10	0s31	19n45	1s30	20s59	15s19	21n25	21n35	20s28	17s48	4n34
W 2	17 3	0 57	4 27	15 57	0 8	24 47	3 46	20 46	2 2	16 54	0 46	13 37	2 28	22 10	0 31	19 45	1 30	20 59	15 20	21 24	21 34	20 27	17 47	4 34
T 3	17 19	5s10	3 39	16 46	0n 3	24 33	3 37	20 40	2 4	16 53	0 46	13 35	2 28	22 10	0 31	19 46	1 29	20 59	15 20	21 24	21 34	20 25	17 46	4 35
F 4	17 35	10 57	2 39	17 33	0 14	24 18	3 27	20 34	2 7	16 51	0 46	13 34	2 28	22 10	0 31	19 46	1 29	20 59	15 20	21 24	21 33	20 23	17 45	4 35
S 5	17 51	16 8	1 31	18 19	0 24	24 2	3 16	20 27	2 9	16 50	0 47	13 33	2 28	22 11	0 31	19 47	1 29	20 59	15 21	21 23	21 32	20 21	17 44	4 35
S 6	18 6	20 25	0 19	19 4	0 34	23 45	3 5	20 21	2 12	16 49	0 47	13 32	2 28	22 11	0 31	19 47	1 29	20 59	15 21	21 23	21 32	20 19	17 44	4 36
M 7	18 21	23 36	0s52	19 46	0 44	23 27	2 53	20 15	2 14	16 48	0 47	13 30	2 28	22 11	0 31	19 47	1 29	20 59	15 21	21 23	21 31	20 18	17 43	4 36
T 8	18 36	25 32	1 59	20 27	0 54	23 8	2 41	20 8	2 17	16 47	0 47	13 29	2 28	22 11	0 31	19 48	1 29	20 59	15 22	21 23	21 31	20 16	17 42	4 36
W 9	18 51	26 8	2 59	21 6	1 3	22 48	2 29	20 2	2 20	16 46	0 48	13 28	2 28	22 11	0 31	19 48	1 29	20 59	15 22	21 24	21 30	20 14	17 41	4 37
T 10	19 5	25 28	3 50	21 42	1 12	22 28	2 16	19 55	2 22	16 45	0 48	13 27	2 27	22 11	0 31	19 49	1 29	20 59	15 22	21 24	21 30	20 12	17 40	4 37
F 11	19 19	23 37	4 30	22 16	1 20	22 7	2 3	19 49	2 25	16 44	0 48	13 25	2 27	22 12	0 31	19 49	1 29	20 59	15 23	21 24	21 29	20 10	17 39	4 37
S 12	19 32	20 46	4 58	22 47	1 28	21 45	1 49	19 42	2 28	16 43	0 48	13 24	2 27	22 12	0 31	19 49	1 29	20 59	15 23	21 24	21 29	20 8	17 39	4 38
S 13	19 45	17 3	5 14	23 15	1 35	21 23	1 35	19 36	2 30	16 43	0 49	13 23	2 27	22 12	0 31	19 50	1 29	20 59	15 23	21 24	21 28	20 6	17 38	4 38
M14	19 58	12 40	5 16	23 41	1 41	21 1	1 21	19 29	2 33	16 42	0 49	13 22	2 27	22 12	0 31	19 50	1 29	21 0	15 24	21 24	21 28	20 5	17 37	4 38
T 15	20 11	7 44	5 4	24 5	1 47	20 39	1 7	19 23	2 36	16 41	0 49	13 21	2 27	22 12	0 31	19 51	1 29	21 0	15 24	21 24	21 27	20 3	17 36	4 38
W16	20 23	2 26	4 38	24 25	1 52	20 16	0 53	19 16	2 39	16 41	0 49	13 20	2 27	22 13	0 31	19 51	1 29	21 0	15 25	21 24	21 26	20 1	17 35	4 39
T 17	20 35	3n 4	3 58	24 43	1 56	19 54	0 39	19 10	2 41	16 40	0 50	13 18	2 27	22 13	0 31	19 51	1 29	21 0	15 25	21 24	21 26	19 59	17 35	4 39
F 18	20 46	8 36	3 6	24 58	2 0	19 32	0 25	19 4	2 44	16 40	0 50	13 17	2 27	22 13	0 31	19 52	1 29	21 0	15 25	21 24	21 25	19 57	17 34	4 39
S 19	20 57	13 54	2 3	25 11	2 3	19 10	0 11	18 57	2 47	16 39	0 50	13 16	2 26	22 13	0 31	19 52	1 29	21 0	15 26	21 24	21 25	19 55	17 33	4 39
S 20	21 8	18 41	0 51	25 21	2 5	18 48	0s 3	18 51	2 50	16 39	0 50	13 15	2 26	22 13	0 31	19 53	1 29	21 0	15 26	21 24	21 24	19 53	17 32	4 40
M21	21 19	22 33	0n26	25 29	2 6	18 27	0 17	18 45	2 53	16 38	0 51	13 14	2 26	22 14	0 31	19 53	1 29	21 1	15 26	21 24	21 24	19 51	17 31	4 40
T 22	21 29	25 9	1 42	25 34	2 7	18 6	0 30	18 38	2 56	16 38	0 51	13 13	2 26	22 14	0 31	19 53	1 29	21 1	15 27	21 24	21 23	19 49	17 31	4 40
W23	21 38	26 8	2 53	25 37	2 6	17 47	0 43	18 32	2 59	16 38	0 51	13 12	2 26	22 14	0 31	19 54	1 29	21 1	15 27	21 24	21 23	19 48	17 30	4 40
T 24	21 48	25 23	3 53	25 38	2 5	17 27	0 56	18 26	3 2	16 38	0 52	13 11	2 26	22 15	0 31	19 54	1 29	21 1	15 27	21 23	21 22	19 46	17 29	4 41
F 25	21 57	22 57	4 39	25 37	2 4	17 9	1 9	18 20	3 5	16 38	0 52	13 10	2 25	22 15	0 31	19 55	1 29	21 1	15 28	21 23	21 21	19 44	17 28	4 41
S 26	22 5	19 4	5 8	25 34	2 1	16 52	1 21	18 14	3 8	16 38	0 52	13 9	2 25	22 15	0 31	19 55	1 29	21 2	15 28	21 23	21 21	19 42	17 28	4 41
S 27	22 13	14 8	5 17	25 30	1 58	16 35	1 32	18 8	3 11	16 38	0 52	13 8	2 25	22 15	0 32	19 55	1 29	21 2	15 29	21 23	21 20	19 40	17 27	4 41
M28	22 21	8 29	5 6	25 23	1 55	16 20	1 44	18 2	3 14	16 38	0 53	13 7	2 25	22 16	0 32	19 56	1 29	21 2	15 29	21 23	21 20	19 38	17 26	4 41
T 29	22 29	2 29	4 38	25 15	1 50	16 5	1 55	17 56	3 17	16 38	0 53	13 6	2 25	22 16	0 32	19 56	1 29	21 2	15 29	21 23	21 19	19 36	17 25	4 41
W30	22 36	3s34	3 54	25 6	1 45	15 52	2 5	17 50	3 21	16 38	0 53	13 5	2 25	22 16	0 32	19 57	1 29	21 3	15 30	21 24	21 19	19 34	17 25	4 41
T 31	22n42	9s22	2n58	24n55	1n39	15n39	2s15	17s44	3s24	16s39	0s53	13s 5	2n24	22s17	0s32	19n57	1s29	21s 3	15s30	21n24	21n18	19s32	17s24	4n42

Julian Day Number = 2112726.5, Delta T = 19m17s
Ecliptic obliquity = 23°33'38, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°48'31, Lahiri = 10°55'32 Julian Calendar 1 May 1072 == Greg. Calendar 7 May 1072

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1072
geocentric

JUNE 1072 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 1 58	15♊52'41	15♏ 5	10♋ 9	19°R51	21♒36	17°R 5	11°R28	21°R57	6♊ 1	12♓45	5♊53	5♊17	20♒18	9°R47	F 1
S 2	17 5 54	16°49'51	28°11	11°26	19♉45	22° 2	17♒ 5	11♏25	21♑55	6° 3	12°45	5°53	5°14	20°24	9♐43	S 2
S 3	17 9 51	17°47'01	11♐ 3	12°40	19°42	22°28	17° 4	11°22	21°54	6° 5	12°46	5°R53	5°11	20°31	9°39	S 3
M 4	17 13 48	18°44'11	23°43	13°51	19°D41	22°53	17° 3	11°19	21°52	6° 8	12°46	5°53	5° 8	20°38	9°35	M 4
T 5	17 17 44	19°41'20	6♑ 9	14°59	19°43	23°18	17° 2	11°16	21°50	6°10	12°46	5°52	5° 5	20°45	9°31	T 5
W 6	17 21 41	20°38'29	18°25	16° 4	19°46	23°43	17° 1	11°13	21°48	6°12	12°46	5°50	5° 2	20°51	9°27	W 6
T 7	17 25 37	21°35'38	0♒30	17° 6	19°52	24° 7	17° 0	11°10	21°46	6°14	12°R46	5°47	4°58	20°58	9°23	T 7
F 8	17 29 34	22°32'47	12°28	18° 5	20° 1	24°31	16°58	11° 7	21°44	6°16	12°46	5°45	4°55	21° 5	9°19	F 8
S 9	17 33 30	23°29'56	24°22	19° 0	20°11	24°55	16°56	11° 5	21°42	6°18	12°46	5°43	4°52	21°11	9°15	S 9
S 10	17 37 27	24°27'05	6♓15	19°52	20°23	25°18	16°54	11° 2	21°40	6°21	12°46	5°41	4°49	21°18	9°11	S 10
M11	17 41 23	25°24'15	18°11	20°41	20°38	25°40	16°52	10°59	21°38	6°23	12°45	5°40	4°46	21°25	9° 8	M11
T 12	17 45 20	26°21'24	0♈14	21°26	20°54	26° 2	16°50	10°57	21°36	6°25	12°45	5°D40	4°42	21°32	9° 4	T 12
W13	17 49 17	27°18'34	12°30	22° 7	21°12	26°24	16°47	10°54	21°34	6°27	12°45	5°41	4°39	21°38	9° 0	W13
T 14	17 53 13	28°15'43	25° 3	22°45	21°33	26°45	16°45	10°52	21°32	6°29	12°45	5°42	4°36	21°45	8°56	T 14
F 15	17 57 10	29°12'54	7♉56	23°18	21°54	27° 5	16°42	10°50	21°30	6°31	12°45	5°43	4°33	21°52	8°52	F 15
S 16	18 1 6	0♋10'04	21°13	23°47	22°18	27°25	16°39	10°48	21°27	6°33	12°45	5°45	4°30	21°59	8°49	S 16
S 17	18 5 3	1° 7'15	4♊54	24°12	22°43	27°45	16°36	10°46	21°25	6°35	12°44	5°R45	4°27	22° 5	8°45	S 17
M18	18 8 59	2° 4'27	18°59	24°33	23°10	28° 4	16°32	10°44	21°23	6°38	12°44	5°45	4°23	22°12	8°42	M18
T 19	18 12 56	3° 1'38	3♋25	24°50	23°38	28°22	16°29	10°42	21°21	6°40	12°44	5°43	4°20	22°19	8°38	T 19
W20	18 16 52	3°58'50	18° 7	25° 1	24° 8	28°40	16°25	10°40	21°18	6°42	12°44	5°40	4°17	22°25	8°35	W20
T 21	18 20 49	4°56'02	2♌57	25° 8	24°40	28°57	16°21	10°38	21°16	6°44	12°43	5°36	4°14	22°32	8°31	T 21
F 22	18 24 46	5°53'14	17°48	25°R10	25°12	29°14	16°17	10°37	21°14	6°46	12°43	5°32	4°11	22°39	8°28	F 22
S 23	18 28 42	6°50'26	2♍31	25° 8	25°46	29°30	16°13	10°35	21°12	6°48	12°43	5°28	4° 8	22°46	8°24	S 23
S 24	18 32 39	7°47'38	17° 1	25° 1	26°21	29°45	16° 8	10°34	21° 9	6°50	12°42	5°25	4° 4	22°52	8°21	S 24
M25	18 36 35	8°44'50	1♎14	24°49	26°58	0♓ 0	16° 3	10°32	21° 7	6°52	12°42	5°24	4° 1	22°59	8°18	M25
T 26	18 40 32	9°42'02	15° 7	24°32	27°35	0°14	15°59	10°31	21° 5	6°54	12°41	5°D24	3°58	23° 6	8°15	T 26
W27	18 44 28	10°39'15	28°41	24°11	28°14	0°28	15°54	10°30	21° 2	6°56	12°41	5°25	3°55	23°12	8°12	W27
T 28	18 48 25	11°36'27	11♏57	23°45	28°54	0°41	15°49	10°29	21° 0	6°57	12°41	5°26	3°52	23°19	8° 9	T 28
F 29	18 52 22	12°33'40	24°56	23°16	29°34	0°53	15°43	10°28	20°58	6°59	12°40	5°28	3°48	23°26	8° 6	F 29
S 30	18 56 18	13♋30'53	7♐42	22♋43	0♊16	1♓ 4	15♒38	10♏27	20♑55	7♊ 1	12♓40	5°R28	3♊45	23♒33	8♐ 3	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n48	14s39	1n53	24n43	1n33	15n28	2s24	17s38	3s27	16s39	0s54	13s 4	2n24	22s17	0s32	19n57	1s29	21s 3	15s30	21n24	21n18	19s30	17s23	4n42
S 2	22 54	19 10	0 43	24 29	1 26	15 18	2 33	17 33	3 30	16 39	0 54	13 3	2 24	22 17	0 32	19 58	1 29	21 4	15 31	21 24	21 17	19 28	17 22	4 42
S 3	23 0	22 41	0s29	24 15	1 18	15 9	2 42	17 27	3 34	16 40	0 54	13 2	2 24	22 17	0 32	19 58	1 29	21 4	15 31	21 24	21 16	19 26	17 22	4 42
M 4	23 5	25 1	1 37	23 59	1 10	15 1	2 50	17 22	3 37	16 40	0 55	13 1	2 24	22 18	0 32	19 58	1 29	21 4	15 32	21 24	21 16	19 24	17 21	4 42
T 5	23 9	26 4	2 39	23 43	1 1	14 54	2 58	17 17	3 40	16 41	0 55	13 1	2 23	22 18	0 32	19 59	1 29	21 5	15 32	21 24	21 15	19 22	17 20	4 42
W 6	23 14	25 49	3 34	23 26	0 51	14 48	3 5	17 12	3 44	16 41	0 55	13 0	2 23	22 18	0 32	19 59	1 29	21 5	15 32	21 23	21 15	19 20	17 20	4 42
T 7	23 18	24 20	4 17	23 8	0 41	14 43	3 12	17 7	3 47	16 42	0 55	12 59	2 23	22 19	0 32	20 0	1 29	21 5	15 33	21 23	21 14	19 18	17 19	4 42
F 8	23 21	21 46	4 49	22 50	0 30	14 39	3 18	17 2	3 50	16 43	0 56	12 59	2 23	22 19	0 32	20 0	1 29	21 6	15 33	21 22	21 13	19 16	17 18	4 42
S 9	23 24	18 19	5 9	22 31	0 19	14 36	3 24	16 57	3 54	16 44	0 56	12 58	2 23	22 19	0 32	20 0	1 29	21 6	15 33	21 22	21 13	19 14	17 18	4 42
S 10	23 27	14 8	5 15	22 12	0 8	14 34	3 30	16 52	3 57	16 44	0 56	12 57	2 22	22 20	0 32	20 1	1 29	21 6	15 34	21 22	21 12	19 12	17 17	4 42
M11	23 29	9 24	5 7	21 53	0s 5	14 33	3 35	16 48	4 1	16 45	0 56	12 57	2 22	22 20	0 32	20 1	1 29	21 7	15 34	21 22	21 12	19 10	17 17	4 42
T 12	23 31	4 17	4 47	21 34	0 17	14 32	3 40	16 44	4 4	16 46	0 57	12 56	2 22	22 21	0 32	20 1	1 29	21 7	15 35	21 22	21 11	19 8	17 16	4 43
W13	23 32	1n 6	4 12	21 14	0 30	14 33	3 44	16 40	4 8	16 47	0 57	12 56	2 22	22 21	0 32	20 2	1 29	21 7	15 35	21 22	21 11	19 6	17 15	4 43
T 14	23 33	6 34	3 25	20 55	0 44	14 34	3 48	16 36	4 11	16 48	0 57	12 55	2 22	22 21	0 32	20 2	1 29	21 8	15 35	21 22	21 10	19 4	17 15	4 43
F 15	23 33	11 54	2 27	20 35	0 58	14 36	3 52	16 32	4 15	16 50	0 58	12 55	2 21	22 22	0 32	20 2	1 29	21 8	15 36	21 22	21 9	19 2	17 14	4 43
S 16	23 34	16 53	1 19	20 16	1 12	14 39	3 55	16 28	4 18	16 51	0 58	12 54	2 21	22 22	0 32	20 3	1 29	21 9	15 36	21 22	21 9	19 0	17 14	4 43
S 17	23 33	21 9	0 5	19 58	1 26	14 42	3 58	16 25	4 22	16 52	0 58	12 54	2 21	22 22	0 32	20 3	1 29	21 9	15 36	21 22	21 8	18 58	17 13	4 43
M18	23 33	24 18	1n12	19 40	1 41	14 46	4 1	16 21	4 26	16 53	0 58	12 53	2 21	22 23	0 32	20 3	1 29	21 9	15 37	21 22	21 8	18 56	17 13	4 42
T 19	23 32	25 57	2 26	19 22	1 56	14 51	4 3	16 18	4 29	16 55	0 59	12 53	2 20	22 23	0 32	20 4	1 29	21 10	15 37	21 22	21 7	18 54	17 12	4 42
W20	23 30	25 49	3 31	19 5	2 11	14 56	4 5	16 15	4 33	16 56	0 59	12 53	2 20	22 23	0 32	20 4	1 29	21 10	15 37	21 22	21 6	18 52	17 12	4 42
T 21	23 28	23 52	4 23	18 50	2 26	15 2	4 7	16 13	4 37	16 57	0 59	12 52	2 20	22 24	0 32	20 4	1 29	21 11	15 38	21 21	21 6	18 50	17 11	4 42
F 22	23 26	20 17	4 57	18 34	2 41	15 8	4 9	16 10	4 40	16 59	0 59	12 52	2 20	22 24	0 32	20 5	1 29	21 11	15 38	21 20	21 5	18 48	17 11	4 42
S 23	23 23	15 28	5 12	18 20	2 55	15 15	4 10	16 8	4 44	17 0	1 0	12 52	2 19	22 25	0 32	20 5	1 29	21 12	15 38	21 19	21 5	18 45	17 10	4 42
S 24	23 20	9 50	5 6	18 8	3 10	15 22	4 11	16 6	4 48	17 2	1 0	12 52	2 19	22 25	0 32	20 5	1 29	21 12	15 39	21 19	21 4	18 43	17 10	4 42
M25	23 16	3 48	4 41	17 56	3 24	15 29	4 12	16 4	4 51	17 4	1 0	12 52	2 19	22 25	0 32	20 6	1 29	21 13	15 39	21 19	21 4	18 41	17 9	4 42
T 26	23 12	2s17	4 0	17 46	3 37	15 37	4 13	16 2	4 55	17 5	1 0	12 51	2 19	22 26	0 32	20 6	1 29	21 13	15 40	21 19	21 3	18 39	17 9	4 42
W27	23 8	8 9	3 7	17 37	3 50	15 45	4 13	16 1	4 59	17 7	1 1	12 51	2 18	22 26	0 32	20 6	1 30	21 14	15 40	21 19	21 2	18 37	17 9	4 42
T 28	23 3	13 31	2 5	17 29	4 2	15 54	4 13	16 0	5 2	17 9	1 1	12 51	2 18	22 26	0 32	20 7	1 30	21 14	15 40	21 19	21 2	18 35	17 8	4 42
F 29	22 58	18 11	0 57	17 23	4 13	16 3	4 13	15 59	5 6	17 11	1 1	12 51	2 18	22 27	0 32	20 7	1 30	21 15	15 41	21 19	21 1	18 33	17 8	4 42
S 30	22n52	21s54	0s12	17n19	4s23	16n12	4s13	15s58	5s10	17s12	1s 1	12s51	2n18	22s27	0s32	20n 7	1s30	21s15	15s41	21n19	21n 1	18s31	17s 8	4n42

Julian Day Number = 2112757.5, Delta T = 19m16s
Ecliptic obliquity = 23°33'38, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°48'35, Lahiri = 10°55'36 Julian Calendar 1 June 1072 == Greg. Calendar 7 June 1072

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1072
geocentric

JULY 1072 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 0 15	14♋28'07	20♐15	22°R 6	0♊59	1♓15	15°R32	10°R26	20°R53	7♊ 3	12°R39	5°R27	3♊42	23♒39	8°R 0	S 1
M 2	19 4 11	15°25'21	2♑38	21♋28	1°43	1°25	15♒27	10♏26	20♑51	7° 5	12♓38	5♊24	3°39	23°46	7♐57	M 2
T 3	19 8 8	16°22'36	14°52	20°47	2°27	1°35	15°21	10°25	20°48	7° 7	12°38	5°19	3°36	23°53	7°54	T 3
W 4	19 12 4	17°19'52	26°58	20° 5	3°13	1°43	15°15	10°24	20°46	7° 9	12°37	5°13	3°33	24° 0	7°52	W 4
T 5	19 16 1	18°17'08	8♒58	19°22	3°59	1°51	15° 9	10°24	20°43	7°10	12°37	5° 5	3°29	24° 6	7°49	T 5
F 6	19 19 57	19°14'25	20°53	18°39	4°46	1°58	15° 3	10°24	20°41	7°12	12°36	4°57	3°26	24°13	7°47	F 6
S 7	19 23 54	20°11'42	2♓45	17°57	5°34	2° 5	14°56	10°24	20°39	7°14	12°35	4°49	3°23	24°20	7°44	S 7
S 8	19 27 51	21° 9'01	14°37	17°17	6°23	2°10	14°50	10°23	20°36	7°16	12°35	4°43	3°20	24°26	7°42	S 8
M 9	19 31 47	22° 6'21	26°32	16°39	7°12	2°15	14°43	10°D23	20°34	7°17	12°34	4°38	3°17	24°33	7°40	M 9
T 10	19 35 44	23° 3'41	8♈34	16° 5	8° 3	2°19	14°37	10°23	20°31	7°19	12°33	4°34	3°14	24°40	7°37	T 10
W11	19 39 40	24° 1'03	20°48	15°34	8°53	2°23	14°30	10°24	20°29	7°21	12°33	4°D33	3°10	24°47	7°35	W11
T 12	19 43 37	24°58'26	3♉17	15° 7	9°45	2°25	14°23	10°24	20°27	7°22	12°32	4°33	3° 7	24°53	7°33	T 12
F 13	19 47 33	25°55'51	16° 6	14°46	10°37	2°27	14°16	10°24	20°24	7°24	12°31	4°34	3° 4	25° 0	7°31	F 13
S 14	19 51 30	26°53'16	29°20	14°30	11°30	2°R27	14° 9	10°25	20°22	7°26	12°30	4°R35	3° 1	25° 7	7°29	S 14
S 15	19 55 26	27°50'43	13♊ 2	14°20	12°23	2°27	14° 2	10°25	20°19	7°27	12°30	4°35	2°58	25°13	7°28	S 15
M16	19 59 23	28°48'12	27°11	14°D16	13°17	2°27	13°54	10°26	20°17	7°29	12°29	4°33	2°54	25°20	7°26	M16
T 17	20 3 20	29°45'41	11♋47	14°18	14°11	2°25	13°47	10°27	20°15	7°30	12°28	4°29	2°51	25°27	7°24	T 17
W18	20 7 16	0♌43'12	26°44	14°27	15° 6	2°22	13°39	10°28	20°12	7°32	12°27	4°22	2°48	25°34	7°23	W18
T 19	20 11 13	1°40'43	11♌53	14°43	16° 2	2°19	13°32	10°29	20°10	7°33	12°26	4°14	2°45	25°40	7°21	T 19
F 20	20 15 9	2°38'16	27° 5	15° 6	16°58	2°15	13°24	10°30	20° 8	7°35	12°25	4° 6	2°42	25°47	7°20	F 20
S 21	20 19 6	3°35'50	12♍ 8	15°35	17°54	2°10	13°17	10°31	20° 5	7°36	12°25	3°58	2°39	25°54	7°19	S 21
S 22	20 23 2	4°33'25	26°55	16°11	18°51	2° 4	13° 9	10°32	20° 3	7°38	12°24	3°51	2°35	26° 1	7°17	S 22
M23	20 26 59	5°31'00	11♎18	16°54	19°48	1°58	13° 1	10°33	20° 1	7°39	12°23	3°46	2°32	26° 7	7°16	M23
T 24	20 30 55	6°28'37	25°16	17°44	20°46	1°51	12°54	10°35	19°58	7°40	12°22	3°44	2°29	26°14	7°15	T 24
W25	20 34 52	7°26'15	8♏49	18°40	21°44	1°43	12°46	10°36	19°56	7°42	12°21	3°D44	2°26	26°21	7°14	W25
T 26	20 38 49	8°23'53	21°58	19°43	22°43	1°34	12°38	10°38	19°54	7°43	12°20	3°44	2°23	26°27	7°13	T 26
F 27	20 42 45	9°21'33	4♐47	20°51	23°42	1°25	12°30	10°40	19°52	7°44	12°19	3°R44	2°20	26°34	7°13	F 27
S 28	20 46 42	10°19'14	17°19	22° 6	24°41	1°15	12°22	10°41	19°50	7°46	12°18	3°44	2°16	26°41	7°12	S 28
S 29	20 50 38	11°16'56	29°39	23°26	25°41	1° 4	12°15	10°43	19°47	7°47	12°17	3°41	2°13	26°48	7°11	S 29
M30	20 54 35	12°14'39	11♑49	24°52	26°41	0°53	12° 7	10°45	19°45	7°48	12°16	3°35	2°10	26°54	7°11	M30
T 31	20 58 31	13♌12'24	23♑52	26♋22	27♊41	0♓41	11♒59	10♏47	19♑43	7♊49	12♓15	3♊27	2♊ 7	27♒ 1	7♐10	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n46	24s31	1s19	17n16	4s32	16n21	4s12	15s57	5s13	17s14	1s 2	12s51	2n17	22s28	0s32	20n 8	1s30	21s16	15s41	21n19	21n 0	18s29	17s 7	4n41
M 2	22 40	25 54	2 22	17 15	4 39	16 30	4 11	15 57	5 17	17 16	1 2	12 51	2 17	22 28	0 32	20 8	1 30	21 16	15 42	21 19	20 59	18 26	17 7	4 41
T 3	22 33	25 59	3 17	17 15	4 45	16 40	4 11	15 57	5 21	17 18	1 2	12 51	2 17	22 28	0 32	20 8	1 30	21 17	15 42	21 18	20 59	18 24	17 7	4 41
W 4	22 26	24 50	4 2	17 17	4 49	16 49	4 9	15 57	5 24	17 20	1 2	12 51	2 17	22 29	0 32	20 8	1 30	21 17	15 42	21 17	20 58	18 22	17 6	4 41
T 5	22 18	22 33	4 37	17 21	4 51	16 59	4 8	15 58	5 28	17 22	1 3	12 51	2 16	22 29	0 32	20 9	1 30	21 18	15 42	21 15	20 58	18 20	17 6	4 41
F 6	22 10	19 19	4 58	17 26	4 52	17 9	4 7	15 58	5 31	17 24	1 3	12 52	2 16	22 29	0 32	20 9	1 30	21 18	15 43	21 14	20 57	18 18	17 6	4 41
S 7	22 2	15 19	5 7	17 32	4 51	17 19	4 5	15 59	5 35	17 26	1 3	12 52	2 16	22 30	0 32	20 9	1 30	21 19	15 43	21 12	20 56	18 16	17 6	4 41
S 8	21 53	10 44	5 3	17 40	4 49	17 29	4 4	16 1	5 39	17 29	1 3	12 52	2 16	22 30	0 32	20 9	1 30	21 19	15 43	21 11	20 56	18 14	17 5	4 40
M 9	21 44	5 45	4 46	17 49	4 44	17 39	4 2	16 2	5 42	17 31	1 3	12 52	2 15	22 31	0 32	20 10	1 30	21 20	15 44	21 10	20 55	18 11	17 5	4 40
T 10	21 35	0 30	4 15	17 59	4 38	17 49	4 0	16 4	5 45	17 33	1 4	12 52	2 15	22 31	0 32	20 10	1 30	21 20	15 44	21 10	20 54	18 9	17 5	4 40
W11	21 25	4n52	3 33	18 10	4 30	17 59	3 58	16 6	5 49	17 35	1 4	12 53	2 15	22 31	0 32	20 10	1 30	21 21	15 44	21 9	20 54	18 7	17 5	4 40
T 12	21 15	10 10	2 40	18 22	4 21	18 9	3 55	16 8	5 52	17 37	1 4	12 53	2 15	22 32	0 32	20 10	1 30	21 21	15 45	21 10	20 53	18 5	17 5	4 40
F 13	21 4	15 11	1 38	18 35	4 11	18 18	3 53	16 10	5 55	17 39	1 4	12 53	2 14	22 32	0 32	20 11	1 30	21 22	15 45	21 10	20 53	18 3	17 5	4 40
S 14	20 53	19 39	0 28	18 48	3 59	18 28	3 51	16 13	5 59	17 42	1 4	12 54	2 14	22 32	0 32	20 11	1 30	21 23	15 45	21 10	20 52	18 1	17 5	4 39
S 15	20 42	23 13	0n45	19 2	3 46	18 38	3 48	16 16	6 2	17 44	1 5	12 54	2 14	22 33	0 32	20 11	1 30	21 23	15 45	21 10	20 51	17 58	17 4	4 39
M16	20 30	25 30	1 58	19 16	3 32	18 47	3 45	16 19	6 5	17 46	1 5	12 55	2 14	22 33	0 32	20 11	1 30	21 24	15 46	21 9	20 51	17 56	17 4	4 39
T 17	20 18	26 7	3 5	19 31	3 18	18 56	3 42	16 23	6 8	17 49	1 5	12 55	2 13	22 33	0 32	20 12	1 30	21 24	15 46	21 9	20 50	17 54	17 4	4 39
W18	20 6	24 52	4 2	19 45	3 3	19 5	3 39	16 26	6 11	17 51	1 5	12 56	2 13	22 34	0 32	20 12	1 30	21 25	15 46	21 7	20 50	17 52	17 4	4 39
T 19	19 53	21 49	4 42	19 59	2 47	19 14	3 36	16 30	6 14	17 53	1 5	12 56	2 13	22 34	0 32	20 12	1 30	21 25	15 47	21 6	20 49	17 49	17 4	4 38
F 20	19 40	17 16	5 2	20 12	2 31	19 23	3 33	16 34	6 16	17 56	1 6	12 57	2 12	22 34	0 32	20 12	1 30	21 26	15 47	21 4	20 48	17 47	17 4	4 38
S 21	19 27	11 41	5 1	20 25	2 15	19 31	3 30	16 38	6 19	17 58	1 6	12 57	2 12	22 35	0 32	20 12	1 30	21 27	15 47	21 3	20 48	17 45	17 4	4 38
S 22	19 13	5 31	4 40	20 37	1 58	19 39	3 27	16 43	6 21	18 0	1 6	12 58	2 12	22 35	0 32	20 13	1 30	21 27	15 47	21 2	20 47	17 43	17 4	4 38
M23	18 59	0s47	4 2	20 48	1 42	19 47	3 23	16 47	6 24	18 3	1 6	12 59	2 12	22 36	0 32	20 13	1 30	21 28	15 48	21 1	20 46	17 41	17 4	4 37
T 24	18 45	6 53	3 10	20 58	1 26	19 55	3 20	16 52	6 26	18 5	1 6	12 59	2 11	22 36	0 32	20 13	1 30	21 28	15 48	21 0	20 46	17 38	17 4	4 37
W25	18 30	12 29	2 9	21 6	1 10	20 2	3 16	16 57	6 28	18 7	1 6	13 0	2 11	22 36	0 32	20 13	1 30	21 29	15 48	21 0	20 45	17 36	17 5	4 37
T 26	18 15	17 21	1 2	21 13	0 54	20 9	3 13	17 2	6 30	18 10	1 6	13 1	2 11	22 37	0 32	20 13	1 30	21 30	15 48	21 0	20 45	17 34	17 5	4 37
F 27	18 0	21 17	0s 6	21 18	0 39	20 16	3 9	17 7	6 32	18 12	1 7	13 2	2 11	22 37	0 32	20 13	1 30	21 30	15 48	21 0	20 44	17 32	17 5	4 36
S 28	17 45	24 8	1 12	21 21	0 24	20 22	3 5	17 12	6 34	18 15	1 7	13 3	2 10	22 37	0 32	20 14	1 30	21 31	15 49	21 0	20 43	17 29	17 5	4 36
S 29	17 29	25 47	2 13	21 22	0 9	20 28	3 2	17 18	6 36	18 17	1 7	13 3	2 10	22 37	0 32	20 14	1 30	21 31	15 49	21 0	20 43	17 27	17 5	4 36
M30	17 13	26 9	3 8	21 20	0n 4	20 34	2 58	17 23	6 37	18 19	1 7	13 4	2 10	22 38	0 32	20 14	1 31	21 32	15 49	20 59	20 42	17 25	17 5	4 36
T 31	16n56	25s16	3s53	21n16	0n17	20n39	2s54	17s29	6s38	18s22	1s 7	13s 5	2n10	22s38	0s32	20n14	1s31	21s32	15s49	20n57	20n41	17s22	17s 5	4n35

Julian Day Number = 2112787.5, Delta T = 19m16s
Ecliptic obliquity = 23°33'38, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°48'40, Lahiri = 10°55'40 Julian Calendar 1 July 1072 == Greg. Calendar 7 July 1072

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1072
geocentric

AUGUST 1072 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 2 28	14♌10'10	5♒51	27♋57	28♊42	0°R29	11°R51	10♏50	19°R41	7♊50	12°R14	3°R16	2♊ 4	27♒ 8	7°R10	W 1
T 2	21 6 24	15° 7'57	17°45	29°36	29°43	0♓16	11♒43	10°52	19♑39	7°51	12♓13	3♊ 4	2° 0	27°14	7♐10	T 2
F 3	21 10 21	16° 5'46	29°38	1♌19	0♋45	0° 2	11°35	10°54	19°37	7°52	12°12	2°51	1°57	27°21	7°10	F 3
S 4	21 14 18	17° 3'36	11♓31	3° 5	1°47	29♒48	11°27	10°57	19°35	7°53	12°11	2°38	1°54	27°28	7°D10	S 4
S 5	21 18 14	18° 1'28	23°24	4°55	2°49	29°34	11°20	10°59	19°33	7°55	12°10	2°26	1°51	27°35	7°10	S 5
M 6	21 22 11	18°59'22	5♈21	6°46	3°51	29°19	11°12	11° 2	19°31	7°55	12° 8	2°17	1°48	27°41	7°10	M 6
T 7	21 26 7	19°57'17	17°24	8°39	4°54	29° 4	11° 4	11° 5	19°29	7°56	12° 7	2°11	1°45	27°48	7°10	T 7
W 8	21 30 4	20°55'15	29°37	10°34	5°57	28°49	10°57	11° 7	19°27	7°57	12° 6	2° 7	1°41	27°55	7°11	W 8
T 9	21 34 0	21°53'14	12♉ 4	12°31	7° 0	28°33	10°49	11°10	19°25	7°58	12° 5	2° 5	1°38	28° 2	7°11	T 9
F 10	21 37 57	22°51'15	24°49	14°28	8° 4	28°17	10°41	11°13	19°23	7°59	12° 4	2° 5	1°35	28° 8	7°11	F 10
S 11	21 41 53	23°49'18	7♊58	16°25	9° 8	28° 1	10°34	11°16	19°21	8° 0	12° 3	2° 5	1°32	28°15	7°12	S 11
S 12	21 45 50	24°47'24	21°32	18°23	10°12	27°45	10°27	11°20	19°19	8° 1	12° 2	2° 4	1°29	28°22	7°13	S 12
M13	21 49 47	25°45'31	5♋36	20°21	11°16	27°28	10°19	11°23	19°18	8° 2	12° 1	2° 1	1°25	28°28	7°14	M13
T 14	21 53 43	26°43'40	20° 7	22°18	12°21	27°12	10°12	11°26	19°16	8° 2	11°59	1°55	1°22	28°35	7°14	T 14
W15	21 57 40	27°41'52	5♌ 4	24°15	13°26	26°56	10° 5	11°30	19°14	8° 3	11°58	1°47	1°19	28°42	7°15	W15
T 16	22 1 36	28°40'05	20°17	26°12	14°31	26°39	9°58	11°33	19°12	8° 4	11°57	1°37	1°16	28°49	7°16	T 16
F 17	22 5 33	29°38'20	5♍37	28° 7	15°36	26°23	9°51	11°37	19°11	8° 4	11°56	1°26	1°13	28°55	7°18	F 17
S 18	22 9 29	0♍36'36	20°52	0♍ 2	16°42	26° 7	9°44	11°40	19° 9	8° 5	11°55	1°15	1°10	29° 2	7°19	S 18
S 19	22 13 26	1°34'54	5♎52	1°56	17°48	25°51	9°37	11°44	19° 8	8° 6	11°53	1° 6	1° 6	29° 9	7°20	S 19
M20	22 17 22	2°33'14	20°28	3°49	18°54	25°36	9°30	11°48	19° 6	8° 6	11°52	1° 0	1° 3	29°16	7°22	M20
T 21	22 21 19	3°31'36	4♏35	5°41	20° 0	25°21	9°24	11°52	19° 5	8° 7	11°51	0°56	1° 0	29°22	7°23	T 21
W22	22 25 16	4°29'59	18°13	7°32	21° 6	25° 6	9°17	11°56	19° 3	8° 7	11°50	0°54	0°57	29°29	7°25	W22
T 23	22 29 12	5°28'24	1♐24	9°22	22°13	24°51	9°11	12° 0	19° 2	8° 7	11°49	0°54	0°54	29°36	7°27	T 23
F 24	22 33 9	6°26'50	14°11	11°11	23°20	24°37	9° 5	12° 4	19° 0	8° 8	11°47	0°54	0°51	29°42	7°28	F 24
S 25	22 37 5	7°25'19	26°40	12°59	24°27	24°24	8°59	12° 8	18°59	8° 8	11°46	0°53	0°47	29°49	7°30	S 25
S 26	22 41 2	8°23'48	8♑53	14°46	25°34	24°11	8°53	12°12	18°58	8° 9	11°45	0°49	0°44	29°56	7°32	S 26
M27	22 44 58	9°22'20	20°57	16°31	26°41	23°58	8°47	12°17	18°56	8° 9	11°44	0°44	0°41	0♓ 3	7°34	M27
T 28	22 48 55	10°20'53	2♒54	18°16	27°49	23°46	8°42	12°21	18°55	8° 9	11°43	0°35	0°38	0° 9	7°36	T 28
W29	22 52 51	11°19'28	14°47	19°59	28°56	23°35	8°36	12°26	18°54	8° 9	11°41	0°24	0°35	0°16	7°39	W29
T 30	22 56 48	12°18'05	26°39	21°42	0♌ 4	23°24	8°31	12°30	18°53	8°10	11°40	0°11	0°31	0°23	7°41	T 30
F 31	23 0 45	13♍16'44	8♓33	23♍23	1♌12	23♒14	8♒26	12♏35	18♑52	8♊10	11♓39	29♉57	0♊28	0♓29	7♐43	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n40	23s13	4s27	21n 9	0n29	20n44	2s50	17s34	6s39	18s24	1s 7	13s 6	2n 9	22s38	0s32	20n14	1s31	21s33	15s49	20n55	20n41	17s20	17s 6	4n35
T 2	16 23	20 11	4 50	21 0	0 41	20 48	2 46	17 40	6 40	18 26	1 7	13 7	2 9	22 39	0 32	20 14	1 31	21 34	15 50	20 53	20 40	17 18	17 6	4 35
F 3	16 6	16 20	5 0	20 48	0 51	20 52	2 42	17 45	6 41	18 28	1 7	13 8	2 9	22 39	0 32	20 14	1 31	21 34	15 50	20 50	20 39	17 16	17 6	4 35
S 4	15 48	11 51	4 57	20 33	1 1	20 55	2 38	17 51	6 41	18 31	1 7	13 9	2 9	22 39	0 32	20 15	1 31	21 35	15 50	20 48	20 39	17 13	17 6	4 34
S 5	15 30	6 56	4 41	20 15	1 9	20 59	2 33	17 56	6 42	18 33	1 8	13 10	2 8	22 40	0 32	20 15	1 31	21 35	15 50	20 45	20 38	17 11	17 7	4 34
M 6	15 12	1 44	4 13	19 55	1 17	21 1	2 29	18 2	6 42	18 35	1 8	13 11	2 8	22 40	0 32	20 15	1 31	21 36	15 50	20 43	20 38	17 9	17 7	4 34
T 7	14 54	3n36	3 33	19 32	1 24	21 3	2 25	18 7	6 42	18 37	1 8	13 12	2 8	22 40	0 32	20 15	1 31	21 37	15 51	20 42	20 37	17 6	17 7	4 34
W 8	14 36	8 52	2 43	19 7	1 30	21 5	2 21	18 13	6 42	18 40	1 8	13 13	2 8	22 40	0 32	20 15	1 31	21 37	15 51	20 41	20 36	17 4	17 8	4 33
T 9	14 17	13 53	1 44	18 39	1 35	21 6	2 16	18 18	6 41	18 42	1 8	13 14	2 7	22 41	0 32	20 15	1 31	21 38	15 51	20 41	20 36	17 2	17 8	4 33
F 10	13 58	18 27	0 38	18 9	1 39	21 7	2 12	18 23	6 41	18 44	1 8	13 15	2 7	22 41	0 32	20 15	1 31	21 38	15 51	20 41	20 35	16 59	17 8	4 33
S 11	13 39	22 15	0n31	17 37	1 42	21 7	2 8	18 28	6 40	18 46	1 8	13 17	2 7	22 41	0 32	20 15	1 31	21 39	15 51	20 41	20 34	16 57	17 9	4 32
S 12	13 19	24 58	1 41	17 3	1 45	21 7	2 3	18 33	6 39	18 48	1 8	13 18	2 7	22 41	0 32	20 15	1 31	21 39	15 51	20 41	20 34	16 55	17 9	4 32
M13	13 0	26 13	2 47	16 27	1 46	21 6	1 59	18 37	6 38	18 50	1 8	13 19	2 6	22 42	0 32	20 16	1 31	21 40	15 51	20 40	20 33	16 52	17 9	4 32
T 14	12 40	25 45	3 45	15 50	1 47	21 5	1 55	18 42	6 37	18 52	1 8	13 20	2 6	22 42	0 32	20 16	1 31	21 41	15 52	20 39	20 32	16 50	17 10	4 32
W15	12 20	23 26	4 28	15 11	1 47	21 3	1 50	18 46	6 35	18 54	1 8	13 22	2 6	22 42	0 32	20 16	1 31	21 41	15 52	20 37	20 32	16 48	17 10	4 31
T 16	12 0	19 27	4 54	14 31	1 47	21 1	1 46	18 50	6 33	18 56	1 8	13 23	2 6	22 42	0 32	20 16	1 31	21 42	15 52	20 35	20 31	16 45	17 11	4 31
F 17	11 39	14 8	4 59	13 50	1 46	20 58	1 41	18 54	6 31	18 58	1 8	13 24	2 5	22 43	0 32	20 16	1 31	21 42	15 52	20 33	20 30	16 43	17 11	4 31
S 18	11 19	7 58	4 43	13 8	1 44	20 55	1 37	18 58	6 29	19 0	1 8	13 26	2 5	22 43	0 32	20 16	1 31	21 43	15 52	20 31	20 30	16 41	17 12	4 30
S 19	10 58	1 26	4 7	12 25	1 42	20 51	1 32	19 1	6 27	19 2	1 8	13 27	2 5	22 43	0 32	20 16	1 31	21 43	15 52	20 29	20 29	16 38	17 12	4 30
M20	10 37	5s 0	3 16	11 42	1 39	20 46	1 28	19 4	6 24	19 4	1 8	13 28	2 5	22 43	0 32	20 16	1 31	21 44	15 52	20 28	20 28	16 36	17 13	4 30
T 21	10 16	11 0	2 14	10 57	1 36	20 41	1 24	19 7	6 22	19 5	1 8	13 30	2 5	22 43	0 32	20 16	1 31	21 44	15 52	20 27	20 28	16 34	17 13	4 30
W22	9 55	16 17	1 6	10 12	1 32	20 35	1 19	19 9	6 19	19 7	1 8	13 31	2 4	22 44	0 32	20 16	1 32	21 45	15 52	20 27	20 27	16 31	17 14	4 29
T 23	9 33	20 35	0s 3	9 27	1 28	20 29	1 15	19 12	6 16	19 9	1 8	13 33	2 4	22 44	0 32	20 16	1 32	21 46	15 52	20 26	20 26	16 29	17 14	4 29
F 24	9 11	23 46	1 10	8 42	1 24	20 23	1 10	19 13	6 13	19 10	1 8	13 34	2 4	22 44	0 32	20 16	1 32	21 46	15 52	20 26	20 26	16 26	17 15	4 29
S 25	8 50	25 43	2 12	7 56	1 19	20 15	1 6	19 15	6 9	19 12	1 8	13 36	2 4	22 44	0 32	20 16	1 32	21 47	15 52	20 26	20 25	16 24	17 15	4 29
S 26	8 28	26 21	3 6	7 10	1 14	20 8	1 2	19 16	6 6	19 14	1 8	13 37	2 3	22 44	0 32	20 16	1 32	21 47	15 52	20 26	20 25	16 22	17 16	4 28
M27	8 6	25 44	3 52	6 24	1 9	19 59	0 57	19 17	6 2	19 15	1 8	13 39	2 3	22 45	0 32	20 16	1 32	21 48	15 53	20 24	20 24	16 19	17 17	4 28
T 28	7 44	23 56	4 26	5 38	1 3	19 50	0 53	19 18	5 59	19 16	1 8	13 40	2 3	22 45	0 32	20 16	1 32	21 48	15 53	20 23	20 23	16 17	17 17	4 28
W29	7 21	21 5	4 49	4 52	0 57	19 41	0 49	19 18	5 55	19 18	1 8	13 42	2 3	22 45	0 32	20 16	1 32	21 49	15 53	20 20	20 23	16 14	17 18	4 27
T 30	6 59	17 22	4 59	4 5	0 51	19 31	0 45	19 18	5 51	19 19	1 8	13 43	2 3	22 45	0 32	20 16	1 32	21 49	15 53	20 17	20 22	16 12	17 18	4 27
F 31	6n36	12s59	4s57	3n19	0n45	19n20	0s40	19s18	5s47	19s21	1s 8	13s45	2n 2	22s45	0s32	20n16	1s32	21s50	15s53	20n15	20n21	16s10	17s19	4n27

Julian Day Number = 2112818.5, Delta T = 19m16s
Ecliptic obliquity = 23°33'38, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°48'44, Lahiri = 10°55'44 Julian Calendar 1 Aug. 1072 == Greg. Calendar 7 Aug. 1072

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1072
geocentric

SEPTEMBER 1072 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 4 41	14♍15'25	20♓28	25♍ 4	2♌21	23°R 4	8°R21	12♏40	18°R51	8♊10	11°R38	29°R43	0♊25	0♓36	7♐46	S 1
S 2	23 8 38	15°14'07	2♈26	26°43	3°29	22♒56	8♒16	12°44	18♑50	8°10	11♓37	29♉31	0°22	0°43	7°48	S 2
M 3	23 12 34	16°12'52	14°30	28°22	4°38	22°48	8°11	12°49	18°49	8°10	11°35	29°22	0°19	0°50	7°51	M 3
T 4	23 16 31	17°11'39	26°40	29°59	5°46	22°40	8° 6	12°54	18°48	8°10	11°34	29°14	0°16	0°56	7°54	T 4
W 5	23 20 27	18°10'29	8♉59	1♎36	6°55	22°34	8° 2	12°59	18°47	8°R10	11°33	29°10	0°12	1° 3	7°57	W 5
T 6	23 24 24	19° 9'20	21°30	3°11	8° 4	22°28	7°58	13° 4	18°46	8°10	11°32	29° 9	0° 9	1°10	8° 0	T 6
F 7	23 28 20	20° 8'14	4♊16	4°46	9°14	22°23	7°54	13° 9	18°45	8°10	11°30	29°D 8	0° 6	1°17	8° 3	F 7
S 8	23 32 17	21° 7'10	17°22	6°20	10°23	22°19	7°50	13°15	18°45	8°10	11°29	29°R 9	0° 3	1°23	8° 6	S 8
S 9	23 36 13	22° 6'09	0♋50	7°53	11°33	22°15	7°46	13°20	18°44	8°10	11°28	29° 8	29♉59	1°30	8° 9	S 9
M10	23 40 10	23° 5'10	14°43	9°25	12°42	22°12	7°43	13°25	18°43	8°10	11°27	29° 7	29°57	1°37	8°12	M10
T 11	23 44 7	24° 4'13	29° 2	10°56	13°52	22°10	7°40	13°30	18°43	8°10	11°26	29° 2	29°53	1°43	8°15	T 11
W12	23 48 3	25° 3'19	13♌44	12°27	15° 2	22° 9	7°37	13°36	18°42	8° 9	11°25	28°56	29°50	1°50	8°19	W12
T 13	23 52 0	26° 2'27	28°45	13°56	16°12	22°D 9	7°34	13°41	18°42	8° 9	11°23	28°47	29°47	1°57	8°22	T 13
F 14	23 55 56	27° 1'37	13♍56	15°25	17°22	22° 9	7°31	13°47	18°41	8° 9	11°22	28°38	29°44	2° 4	8°26	F 14
S 15	23 59 53	28° 0'49	29° 7	16°52	18°33	22°11	7°29	13°53	18°41	8° 9	11°21	28°29	29°41	2°10	8°29	S 15
S 16	0 3 49	29° 0'04	14♎ 7	18°19	19°43	22°13	7°26	13°58	18°41	8° 8	11°20	28°21	29°37	2°17	8°33	S 16
M17	0 7 46	29°59'20	28°47	19°45	20°54	22°15	7°24	14° 4	18°40	8° 8	11°19	28°15	29°34	2°24	8°37	M17
T 18	0 11 42	0♎58'38	13♏ 1	21°10	22° 5	22°19	7°22	14°10	18°40	8° 7	11°18	28°12	29°31	2°31	8°41	T 18
W19	0 15 39	1°57'59	26°46	22°34	23°16	22°23	7°20	14°15	18°40	8° 7	11°16	28°D11	29°28	2°37	8°45	W19
T 20	0 19 36	2°57'21	10♐ 3	23°57	24°27	22°29	7°19	14°21	18°40	8° 6	11°15	28°11	29°25	2°44	8°49	T 20
F 21	0 23 32	3°56'45	22°55	25°19	25°38	22°35	7°18	14°27	18°40	8° 6	11°14	28°12	29°22	2°51	8°53	F 21
S 22	0 27 29	4°56'11	5♑25	26°40	26°49	22°41	7°16	14°33	18°D40	8° 5	11°13	28°R13	29°18	2°57	8°57	S 22
S 23	0 31 25	5°55'38	17°39	28° 0	28° 0	22°49	7°16	14°39	18°40	8° 5	11°12	28°12	29°15	3° 4	9° 1	S 23
M24	0 35 22	6°55'08	29°42	29°19	29°12	22°57	7°15	14°45	18°40	8° 4	11°11	28° 9	29°12	3°11	9° 6	M24
T 25	0 39 18	7°54'39	11♒37	0♏36	0♍23	23° 6	7°14	14°51	18°40	8° 4	11°10	28° 4	29° 9	3°18	9°10	T 25
W26	0 43 15	8°54'12	23°29	1°52	1°35	23°16	7°14	14°58	18°40	8° 3	11° 9	27°57	29° 6	3°24	9°14	W26
T 27	0 47 11	9°53'47	5♓21	3° 7	2°47	23°26	7°D14	15° 4	18°40	8° 2	11° 8	27°49	29° 3	3°31	9°19	T 27
F 28	0 51 8	10°53'23	17°16	4°20	3°58	23°37	7°14	15°10	18°41	8° 1	11° 7	27°39	28°59	3°38	9°23	F 28
S 29	0 55 5	11°53'02	29°17	5°32	5°10	23°49	7°14	15°16	18°41	8° 1	11° 6	27°30	28°56	3°44	9°28	S 29
S 30	0 59 1	12♎52'42	11♈24	6♏41	6♍22	24♒ 1	7♒15	15♏23	18♑41	8♊ 0	11♓ 5	27♉22	28♉53	3♓51	9♐33	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n14	8s 6	4s41	2n33	0n38	19n 9	0s36	19s17	5s43	19s22	1s 8	13s47	2n 2	22s45	0s32	20n16	1s32	21s50	15s53	20n12	20n21	16s 7	17s20	4n27
S 2	5 51	2 53	4 13	1 48	0 32	18 57	0 32	19 16	5 39	19 23	1 8	13 48	2 2	22 45	0 32	20 16	1 32	21 51	15 53	20 9	20 20	16 5	17 20	4 26
M 3	5 28	2n28	3 33	1 2	0 25	18 45	0 28	19 15	5 35	19 24	1 8	13 50	2 2	22 45	0 32	20 16	1 32	21 51	15 53	20 7	20 19	16 2	17 21	4 26
T 4	5 5	7 48	2 43	0 17	0 18	18 33	0 24	19 13	5 30	19 25	1 8	13 52	2 2	22 46	0 32	20 16	1 32	21 52	15 53	20 5	20 19	16 0	17 22	4 26
W 5	4 42	12 54	1 45	0s28	0 11	18 19	0 20	19 11	5 26	19 27	1 8	13 53	2 1	22 46	0 32	20 16	1 32	21 52	15 53	20 4	20 18	15 57	17 22	4 26
T 6	4 19	17 35	0 40	1 13	0 4	18 6	0 15	19 9	5 21	19 28	1 8	13 55	2 1	22 46	0 32	20 16	1 32	21 52	15 53	20 4	20 17	15 55	17 23	4 25
F 7	3 56	21 33	0n27	1 57	0s 3	17 51	0 11	19 6	5 17	19 29	1 8	13 57	2 1	22 46	0 32	20 16	1 32	21 53	15 53	20 4	20 16	15 52	17 24	4 25
S 8	3 32	24 32	1 35	2 41	0 10	17 36	0 8	19 3	5 12	19 29	1 8	13 58	2 1	22 46	0 32	20 16	1 32	21 53	15 52	20 4	20 16	15 50	17 25	4 25
S 9	3 9	26 14	2 40	3 24	0 17	17 21	0 4	19 0	5 8	19 30	1 8	14 0	2 1	22 46	0 32	20 16	1 32	21 54	15 52	20 4	20 15	15 48	17 25	4 25
M10	2 45	26 21	3 37	4 8	0 25	17 5	0n 0	18 57	5 3	19 31	1 7	14 2	2 0	22 46	0 32	20 16	1 32	21 54	15 52	20 4	20 14	15 45	17 26	4 24
T 11	2 22	24 45	4 23	4 50	0 32	16 49	0 4	18 53	4 58	19 32	1 7	14 4	2 0	22 46	0 32	20 16	1 32	21 55	15 52	20 3	20 14	15 43	17 27	4 24
W12	1 58	21 27	4 53	5 32	0 39	16 32	0 8	18 49	4 54	19 33	1 7	14 5	2 0	22 46	0 32	20 15	1 32	21 55	15 52	20 1	20 13	15 40	17 28	4 24
T 13	1 35	16 42	5 3	6 14	0 46	16 15	0 12	18 45	4 49	19 33	1 7	14 7	2 0	22 46	0 32	20 15	1 32	21 55	15 52	19 59	20 12	15 38	17 28	4 24
F 14	1 11	10 51	4 53	6 55	0 54	15 57	0 15	18 40	4 44	19 34	1 7	14 9	2 0	22 46	0 32	20 15	1 33	21 56	15 52	19 57	20 12	15 35	17 29	4 23
S 15	0 48	4 21	4 22	7 36	1 1	15 38	0 19	18 35	4 40	19 35	1 7	14 11	2 0	22 46	0 32	20 15	1 33	21 56	15 52	19 55	20 11	15 33	17 30	4 23
S 16	0 24	2s20	3 33	8 16	1 8	15 20	0 22	18 30	4 35	19 35	1 7	14 13	1 59	22 46	0 32	20 15	1 33	21 57	15 52	19 54	20 10	15 30	17 31	4 23
M17	0 0	8 45	2 30	8 55	1 15	15 1	0 26	18 25	4 30	19 36	1 7	14 15	1 59	22 46	0 32	20 15	1 33	21 57	15 52	19 52	20 10	15 28	17 32	4 23
T 18	0s23	14 33	1 20	9 34	1 22	14 41	0 29	18 19	4 25	19 36	1 7	14 16	1 59	22 46	0 32	20 15	1 33	21 57	15 52	19 52	20 9	15 25	17 32	4 22
W19	0 47	19 25	0 8	10 12	1 29	14 21	0 33	18 13	4 21	19 36	1 7	14 18	1 59	22 46	0 32	20 15	1 33	21 58	15 52	19 51	20 8	15 23	17 33	4 22
T 20	1 11	23 7	1s 3	10 50	1 36	14 0	0 36	18 7	4 16	19 37	1 7	14 20	1 59	22 46	0 32	20 15	1 33	21 58	15 52	19 51	20 8	15 20	17 34	4 22
F 21	1 35	25 31	2 9	11 26	1 43	13 39	0 39	18 1	4 11	19 37	1 7	14 22	1 59	22 46	0 31	20 15	1 33	21 58	15 51	19 52	20 7	15 18	17 35	4 22
S 22	1 58	26 33	3 6	12 2	1 50	13 18	0 42	17 54	4 7	19 37	1 6	14 24	1 58	22 46	0 31	20 14	1 33	21 59	15 51	19 52	20 6	15 15	17 36	4 22
S 23	2 22	26 15	3 54	12 37	1 56	12 56	0 45	17 47	4 2	19 37	1 6	14 26	1 58	22 46	0 31	20 14	1 33	21 59	15 51	19 52	20 6	15 13	17 37	4 21
M24	2 46	24 43	4 30	13 11	2 2	12 34	0 48	17 40	3 58	19 37	1 6	14 28	1 58	22 46	0 31	20 14	1 33	21 59	15 51	19 51	20 5	15 10	17 37	4 21
T 25	3 9	22 6	4 54	13 45	2 9	12 12	0 51	17 33	3 53	19 37	1 6	14 30	1 58	22 46	0 31	20 14	1 33	21 59	15 51	19 50	20 4	15 7	17 38	4 21
W26	3 33	18 34	5 6	14 17	2 15	11 49	0 54	17 26	3 49	19 37	1 6	14 32	1 58	22 46	0 31	20 14	1 33	22 0	15 51	19 48	20 3	15 5	17 39	4 21
T 27	3 56	14 18	5 4	14 49	2 20	11 25	0 57	17 18	3 44	19 37	1 6	14 34	1 58	22 46	0 31	20 14	1 33	22 0	15 51	19 46	20 3	15 2	17 40	4 20
F 28	4 20	9 29	4 49	15 19	2 26	11 2	1 0	17 10	3 40	19 37	1 6	14 36	1 58	22 46	0 31	20 14	1 33	22 0	15 50	19 44	20 2	15 0	17 41	4 20
S 29	4 43	4 17	4 21	15 48	2 31	10 38	1 2	17 2	3 35	19 37	1 6	14 38	1 57	22 46	0 31	20 13	1 33	22 0	15 50	19 42	20 1	14 57	17 42	4 20
S 30	5s 7	1n 8	3s42	16s16	2s36	10n13	1n 5	16s54	3s31	19s37	1s 6	14s40	1n57	22s46	0s31	20n13	1s33	22s 1	15s50	19n40	20n 1	14s55	17s43	4n20

Julian Day Number = 2112849.5, Delta T = 19m16s
Ecliptic obliquity = 23°33'39, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°48'48, Lahiri = 10°55'49 Julian Calendar 1 Sept. 1072 == Greg. Calendar 7 Sept. 1072

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1072
geocentric

OCTOBER 1072 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 2 58	13♎52'25	23♈38	7♏49	7♍34	24♒14	7♒15	15♏29	18♑42	7°R59	11°R 4	27°R16	28♉50	3♓58	9♐37	M 1
T 2	1 6 54	14°52'10	6♉ 2	8°55	8°47	24°28	7°16	15°35	18°42	7♊58	11♓ 3	27♉12	28°47	4° 5	9°42	T 2
W 3	1 10 51	15°51'57	18°35	9°58	9°59	24°42	7°17	15°42	18°43	7°57	11° 2	27° 9	28°43	4°11	9°47	W 3
T 4	1 14 47	16°51'46	1♊19	10°59	11°11	24°57	7°19	15°48	18°43	7°56	11° 1	27°D 9	28°40	4°18	9°52	T 4
F 5	1 18 44	17°51'37	14°17	11°57	12°24	25°13	7°20	15°55	18°44	7°55	11° 0	27°10	28°37	4°25	9°57	F 5
S 6	1 22 40	18°51'31	27°29	12°51	13°37	25°29	7°22	16° 1	18°45	7°54	10°59	27°12	28°34	4°32	10° 2	S 6
S 7	1 26 37	19°51'27	10♋59	13°42	14°49	25°45	7°24	16° 8	18°45	7°53	10°58	27°13	28°31	4°38	10° 7	S 7
M 8	1 30 34	20°51'25	24°46	14°29	16° 2	26° 3	7°26	16°15	18°46	7°52	10°57	27°R13	28°28	4°45	10°12	M 8
T 9	1 34 30	21°51'25	8♌53	15°12	17°15	26°20	7°28	16°21	18°47	7°51	10°56	27°12	28°24	4°52	10°18	T 9
W10	1 38 27	22°51'28	23°17	15°50	18°28	26°39	7°30	16°28	18°48	7°50	10°55	27° 9	28°21	4°58	10°23	W10
T 11	1 42 23	23°51'32	7♍56	16°23	19°41	26°58	7°33	16°35	18°49	7°49	10°55	27° 5	28°18	5° 5	10°28	T 11
F 12	1 46 20	24°51'39	22°44	16°50	20°54	27°17	7°36	16°41	18°50	7°48	10°54	27° 0	28°15	5°12	10°34	F 12
S 13	1 50 16	25°51'48	7♎33	17°10	22° 7	27°37	7°39	16°48	18°51	7°47	10°53	26°55	28°12	5°19	10°39	S 13
S 14	1 54 13	26°51'59	22°17	17°23	23°21	27°57	7°42	16°55	18°52	7°46	10°52	26°51	28° 8	5°25	10°45	S 14
M15	1 58 9	27°52'12	6♏46	17°R28	24°34	28°18	7°46	17° 2	18°53	7°45	10°51	26°49	28° 5	5°32	10°50	M15
T 16	2 2 6	28°52'26	20°55	17°24	25°47	28°39	7°49	17° 9	18°54	7°43	10°51	26°D47	28° 2	5°39	10°56	T 16
W17	2 6 3	29°52'43	4♐41	17°12	27° 1	29° 1	7°53	17°16	18°56	7°42	10°50	26°47	27°59	5°45	11° 1	W17
T 18	2 9 59	0♏53'01	18° 2	16°50	28°14	29°24	7°57	17°23	18°57	7°41	10°49	26°49	27°56	5°52	11° 7	T 18
F 19	2 13 56	1°53'20	0♑58	16°18	29°28	29°46	8° 1	17°29	18°58	7°39	10°48	26°50	27°53	5°59	11°13	F 19
S 20	2 17 52	2°53'41	13°34	15°36	0♎42	0♓ 9	8° 6	17°36	19° 0	7°38	10°48	26°52	27°49	6° 6	11°19	S 20
S 21	2 21 49	3°54'04	25°51	14°45	1°55	0°33	8°10	17°43	19° 1	7°37	10°47	26°53	27°46	6°12	11°24	S 21
M22	2 25 45	4°54'28	7♒55	13°45	3° 9	0°57	8°15	17°50	19° 3	7°35	10°47	26°R53	27°43	6°19	11°30	M22
T 23	2 29 42	5°54'53	19°52	12°36	4°23	1°21	8°20	17°57	19° 4	7°34	10°46	26°52	27°40	6°26	11°36	T 23
W24	2 33 38	6°55'20	1♓44	11°22	5°37	1°46	8°25	18° 4	19° 6	7°33	10°45	26°51	27°37	6°33	11°42	W24
T 25	2 37 35	7°55'48	13°37	10° 3	6°51	2°11	8°30	18°11	19° 7	7°31	10°45	26°48	27°34	6°39	11°48	T 25
F 26	2 41 32	8°56'18	25°35	8°42	8° 5	2°37	8°36	18°18	19° 9	7°30	10°44	26°45	27°30	6°46	11°54	F 26
S 27	2 45 28	9°56'49	7♈40	7°22	9°19	3° 3	8°41	18°25	19°11	7°28	10°44	26°42	27°27	6°53	12° 0	S 27
S 28	2 49 25	10°57'21	19°55	6° 6	10°33	3°29	8°47	18°32	19°12	7°27	10°43	26°40	27°24	6°59	12° 6	S 28
M29	2 53 21	11°57'55	2♉23	4°55	11°47	3°56	8°53	18°40	19°14	7°25	10°43	26°38	27°21	7° 6	12°13	M29
T 30	2 57 18	12°58'30	15° 3	3°53	13° 1	4°22	8°59	18°47	19°16	7°24	10°42	26°37	27°18	7°13	12°19	T 30
W31	3 1 14	13♏59'07	27♉56	3♏ 0	14♎15	4♓50	9♒ 6	18♏54	19♑18	7♊22	10♓42	26°D37	27♉14	7♓20	12♐25	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s30	6n34	2s51	16s43	2s40	9n49	1n 8	16s45	3s27	19s36	1s 5	14s42	1n57	22s46	0s31	20n13	1s33	22s 1	15s50	19n39	20n 0	14s52	17s44	4n20
T 2	5 53	11 50	1 52	17 8	2 45	9 24	1 10	16 36	3 22	19 36	1 5	14 44	1 57	22 46	0 31	20 13	1 33	22 1	15 50	19 38	19 59	14 50	17 44	4 20
W 3	6 16	16 42	0 46	17 32	2 48	8 59	1 12	16 28	3 18	19 36	1 5	14 46	1 57	22 46	0 31	20 13	1 33	22 1	15 49	19 37	19 59	14 47	17 45	4 19
T 4	6 40	20 54	0n23	17 55	2 52	8 33	1 15	16 19	3 14	19 35	1 5	14 47	1 57	22 46	0 31	20 13	1 33	22 2	15 49	19 37	19 58	14 44	17 46	4 19
F 5	7 3	24 9	1 32	18 16	2 54	8 7	1 17	16 9	3 10	19 35	1 5	14 49	1 57	22 46	0 31	20 12	1 33	22 2	15 49	19 38	19 57	14 42	17 47	4 19
S 6	7 25	26 10	2 37	18 35	2 57	7 41	1 19	16 0	3 6	19 34	1 5	14 51	1 57	22 45	0 31	20 12	1 33	22 2	15 49	19 38	19 56	14 39	17 48	4 19
S 7	7 48	26 41	3 36	18 52	2 58	7 15	1 21	15 51	3 2	19 34	1 5	14 53	1 56	22 45	0 31	20 12	1 33	22 2	15 49	19 38	19 56	14 37	17 49	4 19
M 8	8 11	25 36	4 23	19 7	2 59	6 48	1 23	15 41	2 58	19 33	1 5	14 55	1 56	22 45	0 31	20 12	1 33	22 2	15 48	19 38	19 55	14 34	17 50	4 19
T 9	8 33	22 53	4 56	19 20	3 0	6 22	1 25	15 31	2 54	19 32	1 5	14 58	1 56	22 45	0 31	20 12	1 34	22 2	15 48	19 38	19 54	14 32	17 51	4 18
W10	8 56	18 42	5 11	19 31	2 59	5 55	1 27	15 21	2 50	19 31	1 4	15 0	1 56	22 45	0 31	20 11	1 34	22 3	15 48	19 37	19 54	14 29	17 51	4 18
T 11	9 18	13 22	5 6	19 39	2 58	5 27	1 28	15 11	2 46	19 31	1 4	15 2	1 56	22 45	0 31	20 11	1 34	22 3	15 48	19 36	19 53	14 26	17 52	4 18
F 12	9 40	7 12	4 41	19 44	2 55	5 0	1 30	15 1	2 42	19 30	1 4	15 4	1 56	22 45	0 31	20 11	1 34	22 3	15 48	19 35	19 52	14 24	17 53	4 18
S 13	10 3	0 37	3 57	19 47	2 51	4 32	1 31	14 50	2 38	19 29	1 4	15 6	1 56	22 44	0 31	20 11	1 34	22 3	15 47	19 34	19 52	14 21	17 54	4 18
S 14	10 24	5s58	2 58	19 46	2 47	4 5	1 33	14 40	2 35	19 28	1 4	15 8	1 56	22 44	0 31	20 10	1 34	22 3	15 47	19 33	19 51	14 19	17 55	4 18
M15	10 46	12 9	1 47	19 41	2 40	3 37	1 34	14 29	2 31	19 27	1 4	15 10	1 56	22 44	0 31	20 10	1 34	22 3	15 47	19 33	19 50	14 16	17 56	4 18
T 16	11 8	17 34	0 32	19 33	2 33	3 9	1 36	14 18	2 27	19 26	1 4	15 12	1 55	22 44	0 31	20 10	1 34	22 3	15 47	19 32	19 49	14 13	17 57	4 17
W17	11 29	21 53	0s43	19 21	2 23	2 40	1 37	14 7	2 24	19 25	1 4	15 14	1 55	22 44	0 31	20 10	1 34	22 3	15 46	19 32	19 49	14 11	17 58	4 17
T 18	11 50	24 55	1 54	19 4	2 13	2 12	1 38	13 56	2 20	19 24	1 3	15 16	1 55	22 43	0 31	20 10	1 34	22 3	15 46	19 33	19 48	14 8	17 59	4 17
F 19	12 11	26 30	2 57	18 43	2 0	1 43	1 39	13 44	2 17	19 22	1 3	15 18	1 55	22 43	0 31	20 9	1 34	22 3	15 46	19 33	19 47	14 5	17 59	4 17
S 20	12 32	26 40	3 49	18 17	1 46	1 15	1 40	13 33	2 13	19 21	1 3	15 20	1 55	22 43	0 31	20 9	1 34	22 3	15 46	19 33	19 47	14 3	18 0	4 17
S 21	12 53	25 30	4 30	17 47	1 30	0 46	1 41	13 21	2 10	19 20	1 3	15 22	1 55	22 43	0 31	20 9	1 34	22 3	15 45	19 34	19 46	14 0	18 1	4 17
M22	13 13	23 10	4 58	17 12	1 13	0 18	1 41	13 10	2 7	19 18	1 3	15 24	1 55	22 43	0 31	20 9	1 34	22 3	15 45	19 34	19 45	13 57	18 2	4 17
T 23	13 34	19 52	5 12	16 33	0 54	0s11	1 42	12 58	2 3	19 17	1 3	15 26	1 55	22 42	0 31	20 8	1 34	22 3	15 45	19 33	19 44	13 55	18 3	4 17
W24	13 54	15 47	5 14	15 51	0 34	0 40	1 43	12 46	2 0	19 16	1 3	15 28	1 55	22 42	0 31	20 8	1 34	22 3	15 44	19 33	19 44	13 52	18 4	4 17
T 25	14 13	11 6	5 1	15 7	0 14	1 9	1 43	12 34	1 57	19 14	1 3	15 30	1 55	22 42	0 31	20 8	1 34	22 3	15 44	19 32	19 43	13 50	18 5	4 17
F 26	14 33	5 59	4 36	14 22	0n 7	1 38	1 44	12 22	1 54	19 13	1 2	15 32	1 55	22 42	0 31	20 8	1 34	22 3	15 44	19 32	19 42	13 47	18 6	4 17
S 27	14 52	0 35	3 58	13 36	0 28	2 7	1 44	12 10	1 51	19 11	1 2	15 34	1 55	22 41	0 31	20 7	1 34	22 3	15 44	19 31	19 41	13 44	18 6	4 16
S 28	15 11	4n55	3 9	12 53	0 47	2 36	1 44	11 57	1 48	19 9	1 2	15 36	1 55	22 41	0 31	20 7	1 34	22 3	15 43	19 31	19 41	13 42	18 7	4 16
M29	15 30	10 20	2 10	12 12	1 6	3 5	1 45	11 45	1 45	19 8	1 2	15 38	1 54	22 41	0 31	20 7	1 34	22 3	15 43	19 30	19 40	13 39	18 8	4 16
T 30	15 49	15 25	1 4	11 34	1 23	3 34	1 45	11 32	1 42	19 6	1 2	15 40	1 54	22 41	0 31	20 7	1 34	22 3	15 43	19 30	19 39	13 36	18 9	4 16
W31	16s 7	19n55	0n 7	11s 2	1n38	4s 2	1n45	11s19	1s39	19s 4	1s 2	15s42	1n54	22s40	0s31	20n 6	1s34	22s 3	15s42	19n30	19n39	13s33	18s10	4n16

Julian Day Number = 2112879.5, Delta T = 19m15s
Ecliptic obliquity = 23°33'39, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°48'52, Lahiri = 10°55'53 Julian Calendar 1 Oct. 1072 == Greg. Calendar 7 Oct. 1072

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1072
geocentric

NOVEMBER 1072 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 5 11	14♏59'46	11♊ 3	2°R18	15♎30	5♓17	9♒12	19♏ 1	19♑20	7°R21	10°R41	26♉37	27♉11	7♓26	12♐31	T 1
F 2	3 9 7	16° 0'26	24°23	1♏48	16°44	5°45	9°19	19° 8	19°22	7♊19	10♓41	26°38	27° 8	7°33	12°38	F 2
S 3	3 13 4	17° 1'08	7♋55	1°29	17°58	6°13	9°26	19°15	19°24	7°18	10°41	26°39	27° 5	7°40	12°44	S 3
S 4	3 17 1	18° 1'51	21°38	1°D22	19°13	6°42	9°33	19°22	19°26	7°16	10°40	26°40	27° 2	7°46	12°50	S 4
M 5	3 20 57	19° 2'37	5♌32	1°26	20°27	7°10	9°40	19°29	19°28	7°15	10°40	26°40	26°59	7°53	12°57	M 5
T 6	3 24 54	20° 3'23	19°36	1°40	21°42	7°39	9°47	19°36	19°30	7°13	10°40	26°R40	26°55	8° 0	13° 3	T 6
W 7	3 28 50	21° 4'11	3♍49	2° 3	22°56	8° 8	9°54	19°43	19°32	7°11	10°39	26°40	26°52	8° 7	13° 9	W 7
T 8	3 32 47	22° 5'01	18° 7	2°35	24°11	8°38	10° 2	19°50	19°35	7°10	10°39	26°40	26°49	8°13	13°16	T 8
F 9	3 36 43	23° 5'52	2♎28	3°15	25°25	9° 8	10°10	19°58	19°37	7° 8	10°39	26°39	26°46	8°20	13°22	F 9
S 10	3 40 40	24° 6'45	16°48	4° 2	26°40	9°38	10°18	20° 5	19°39	7° 6	10°39	26°39	26°43	8°27	13°29	S 10
S 11	3 44 36	25° 7'39	1♏ 3	4°55	27°55	10° 8	10°26	20°12	19°42	7° 5	10°38	26°39	26°40	8°34	13°35	S 11
M12	3 48 33	26° 8'35	15° 8	5°52	29° 9	10°38	10°34	20°19	19°44	7° 3	10°38	26°39	26°36	8°40	13°42	M12
T 13	3 52 30	27° 9'32	28°59	6°55	0♏24	11° 9	10°42	20°26	19°46	7° 1	10°38	26°39	26°33	8°47	13°48	T 13
W14	3 56 26	28°10'29	12♐33	8° 2	1°39	11°40	10°51	20°33	19°49	7° 0	10°38	26°39	26°30	8°54	13°55	W14
T 15	4 0 23	29°11'28	25°48	9°12	2°54	12°11	10°59	20°40	19°51	6°58	10°38	26°39	26°27	9° 0	14° 2	T 15
F 16	4 4 19	0♐12'28	8♑43	10°25	4° 9	12°42	11° 8	20°47	19°54	6°56	10°38	26°38	26°24	9° 7	14° 8	F 16
S 17	4 8 16	1°13'29	21°20	11°40	5°23	13°14	11°17	20°54	19°57	6°55	10°38	26°38	26°20	9°14	14°15	S 17
S 18	4 12 12	2°14'30	3♒39	12°58	6°38	13°46	11°26	21° 1	19°59	6°53	10°D38	26°37	26°17	9°21	14°21	S 18
M19	4 16 9	3°15'32	15°46	14°18	7°53	14°18	11°35	21° 8	20° 2	6°51	10°38	26°36	26°14	9°27	14°28	M19
T 20	4 20 5	4°16'34	27°44	15°39	9° 8	14°50	11°45	21°15	20° 5	6°50	10°38	26°36	26°11	9°34	14°35	T 20
W21	4 24 2	5°17'37	9♓36	17° 2	10°23	15°22	11°54	21°22	20° 7	6°48	10°38	26°D36	26° 8	9°41	14°41	W21
T 22	4 27 59	6°18'41	21°29	18°26	11°38	15°55	12° 4	21°29	20°10	6°46	10°38	26°36	26° 5	9°47	14°48	T 22
F 23	4 31 55	7°19'45	3♈27	19°51	12°53	16°28	12°13	21°36	20°13	6°45	10°38	26°37	26° 1	9°54	14°55	F 23
S 24	4 35 52	8°20'50	15°34	21°17	14° 8	17° 0	12°23	21°43	20°16	6°43	10°38	26°38	25°58	10° 1	15° 1	S 24
S 25	4 39 48	9°21'55	27°54	22°43	15°23	17°34	12°33	21°50	20°18	6°41	10°38	26°40	25°55	10° 8	15° 8	S 25
M26	4 43 45	10°23'00	10♉30	24°11	16°38	18° 7	12°43	21°57	20°21	6°39	10°38	26°41	25°52	10°14	15°15	M26
T 27	4 47 41	11°24'06	23°24	25°39	17°53	18°40	12°53	22° 4	20°24	6°38	10°39	26°R41	25°49	10°21	15°22	T 27
W28	4 51 38	12°25'13	6♊38	27° 8	19° 8	19°14	13° 4	22°10	20°27	6°36	10°39	26°41	25°46	10°28	15°28	W28
T 29	4 55 34	13°26'20	20° 9	28°37	20°23	19°47	13°14	22°17	20°30	6°34	10°39	26°40	25°42	10°35	15°35	T 29
F 30	4 59 31	14♐27'28	3♋57	0♐ 6	21♏38	20♓21	13♒24	22♏24	20♑33	6♊33	10♓39	26♉38	25♉39	10♓41	15♐42	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s25	23n31	1n19	10s35	1n51	4s31	1n45	11s 6	1s36	19s 2	1s 2	15s44	1n54	22s40	0s31	20n 6	1s34	22s 3	15s42	19n30	19n38	13s31	18s11	4n16
F 2	16 43	25 54	2 28	10 14	2 3	5 0	1 45	10 53	1 33	19 0	1 2	15 46	1 54	22 40	0 31	20 6	1 34	22 2	15 42	19 30	19 37	13 28	18 11	4 16
S 3	17 0	26 48	3 29	9 59	2 12	5 29	1 44	10 40	1 30	18 58	1 2	15 48	1 54	22 39	0 31	20 6	1 34	22 2	15 41	19 30	19 36	13 25	18 12	4 16
S 4	17 17	26 5	4 20	9 50	2 19	5 57	1 44	10 27	1 28	18 56	1 1	15 50	1 54	22 39	0 31	20 5	1 34	22 2	15 41	19 30	19 36	13 23	18 13	4 16
M 5	17 34	23 45	4 56	9 46	2 25	6 26	1 44	10 14	1 25	18 54	1 1	15 52	1 54	22 39	0 31	20 5	1 34	22 2	15 41	19 31	19 35	13 20	18 14	4 16
T 6	17 51	19 59	5 14	9 47	2 28	6 54	1 43	10 1	1 22	18 52	1 1	15 54	1 54	22 38	0 31	20 5	1 34	22 2	15 40	19 31	19 34	13 17	18 15	4 16
W 7	18 7	15 2	5 14	9 54	2 31	7 22	1 43	9 47	1 20	18 50	1 1	15 56	1 54	22 38	0 31	20 4	1 34	22 2	15 40	19 31	19 33	13 15	18 15	4 16
T 8	18 23	9 15	4 55	10 4	2 31	7 50	1 42	9 34	1 17	18 48	1 1	15 57	1 54	22 38	0 31	20 4	1 34	22 1	15 40	19 31	19 33	13 12	18 16	4 16
F 9	18 38	2 57	4 17	10 18	2 31	8 18	1 42	9 20	1 15	18 46	1 1	15 59	1 54	22 37	0 31	20 4	1 34	22 1	15 39	19 30	19 32	13 9	18 17	4 16
S 10	18 54	3s30	3 23	10 35	2 29	8 46	1 41	9 7	1 12	18 44	1 1	16 1	1 54	22 37	0 31	20 4	1 34	22 1	15 39	19 30	19 31	13 6	18 18	4 16
S 11	19 9	9 45	2 17	10 55	2 27	9 14	1 40	8 53	1 10	18 41	1 1	16 3	1 54	22 37	0 31	20 3	1 34	22 1	15 39	19 30	19 30	13 4	18 19	4 16
M12	19 23	15 27	1 3	11 17	2 24	9 41	1 39	8 39	1 7	18 39	1 1	16 5	1 54	22 36	0 31	20 3	1 34	22 1	15 38	19 30	19 30	13 1	18 19	4 16
T 13	19 37	20 15	0s13	11 41	2 20	10 8	1 38	8 25	1 5	18 37	1 1	16 7	1 54	22 36	0 31	20 3	1 34	22 0	15 38	19 30	19 29	12 58	18 20	4 16
W14	19 51	23 51	1 27	12 7	2 15	10 35	1 37	8 11	1 3	18 34	1 0	16 9	1 54	22 36	0 30	20 2	1 34	22 0	15 38	19 30	19 28	12 56	18 21	4 16
T 15	20 5	26 4	2 35	12 35	2 10	11 2	1 36	7 57	1 0	18 32	1 0	16 11	1 54	22 35	0 30	20 2	1 34	22 0	15 37	19 30	19 27	12 53	18 22	4 16
F 16	20 18	26 49	3 33	13 3	2 4	11 29	1 35	7 43	0 58	18 29	1 0	16 13	1 54	22 35	0 30	20 2	1 34	22 0	15 37	19 30	19 27	12 50	18 22	4 16
S 17	20 31	26 7	4 19	13 32	1 58	11 55	1 34	7 29	0 56	18 27	1 0	16 15	1 54	22 34	0 30	20 2	1 34	21 59	15 37	19 30	19 26	12 47	18 23	4 16
S 18	20 43	24 9	4 52	14 2	1 52	12 21	1 32	7 14	0 53	18 24	1 0	16 16	1 54	22 34	0 30	20 1	1 34	21 59	15 36	19 30	19 25	12 45	18 24	4 16
M19	20 55	21 8	5 11	14 32	1 46	12 46	1 31	7 0	0 51	18 21	1 0	16 18	1 54	22 34	0 30	20 1	1 34	21 59	15 36	19 30	19 25	12 42	18 24	4 16
T 20	21 6	17 16	5 17	15 2	1 39	13 12	1 30	6 46	0 49	18 19	1 0	16 20	1 54	22 33	0 30	20 1	1 34	21 58	15 36	19 30	19 24	12 39	18 25	4 16
W21	21 18	12 46	5 9	15 32	1 32	13 37	1 28	6 31	0 47	18 16	1 0	16 22	1 54	22 33	0 30	20 1	1 34	21 58	15 35	19 30	19 23	12 36	18 26	4 16
T 22	21 28	7 47	4 48	16 3	1 25	14 2	1 27	6 16	0 45	18 13	1 0	16 24	1 54	22 32	0 30	20 0	1 34	21 58	15 35	19 30	19 22	12 34	18 26	4 17
F 23	21 39	2 30	4 14	16 33	1 17	14 26	1 25	6 2	0 43	18 10	1 0	16 25	1 54	22 32	0 30	20 0	1 34	21 57	15 35	19 30	19 22	12 31	18 27	4 17
S 24	21 49	2n57	3 28	17 3	1 10	14 50	1 23	5 47	0 41	18 7	1 0	16 27	1 54	22 31	0 30	20 0	1 34	21 57	15 34	19 30	19 21	12 28	18 28	4 17
S 25	21 58	8 24	2 33	17 32	1 3	15 14	1 22	5 32	0 39	18 5	0 59	16 29	1 54	22 31	0 30	19 59	1 34	21 57	15 34	19 30	19 20	12 25	18 28	4 17
M26	22 7	13 39	1 28	18 1	0 55	15 37	1 20	5 17	0 37	18 2	0 59	16 31	1 54	22 31	0 30	19 59	1 34	21 56	15 34	19 31	19 19	12 22	18 29	4 17
T 27	22 16	18 26	0 18	18 30	0 48	16 0	1 18	5 3	0 35	17 59	0 59	16 32	1 54	22 30	0 30	19 59	1 34	21 56	15 33	19 31	19 18	12 20	18 30	4 17
W28	22 24	22 25	0n55	18 58	0 41	16 22	1 16	4 48	0 33	17 56	0 59	16 34	1 54	22 30	0 30	19 59	1 34	21 55	15 33	19 31	19 18	12 17	18 30	4 17
T 29	22 32	25 17	2 6	19 25	0 33	16 44	1 14	4 33	0 31	17 53	0 59	16 36	1 54	22 29	0 30	19 58	1 34	21 55	15 33	19 31	19 17	12 14	18 31	4 17
F 30	22s39	26n41	3n11	19s51	0n26	17s 6	1n12	4s18	0s30	17s49	0s59	16s38	1n54	22s29	0s30	19n58	1s34	21s55	15s32	19n30	19n16	12s11	18s31	4n17

Julian Day Number = 2112910.5, Delta T = 19m15s
Ecliptic obliquity = 23°33'39, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°48'56, Lahiri = 10°55'57 Julian Calendar 1 Nov. 1072 == Greg. Calendar 7 Nov. 1072

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1072
geocentric

DECEMBER 1072 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 3 28	15♐28'36	17♋58	1♐36	22♏53	20♓55	13♒35	22♏31	20♑36	6°R31	10♓40	26°R35	25♉36	10♓48	15♐48	S 1
S 2	5 7 24	16°29'45	2♌ 8	3° 7	24° 8	21°29	13°46	22°37	20°39	6♊29	10°40	26♉32	25°33	10°55	15°55	S 2
M 3	5 11 21	17°30'55	16°22	4°37	25°23	22° 3	13°57	22°44	20°42	6°28	10°40	26°30	25°30	11° 1	16° 2	M 3
T 4	5 15 17	18°32'05	0♍38	6° 8	26°38	22°37	14° 8	22°51	20°45	6°26	10°41	26°28	25°26	11° 8	16° 9	T 4
W 5	5 19 14	19°33'16	14°51	7°40	27°54	23°12	14°19	22°57	20°48	6°24	10°41	26°D27	25°23	11°15	16°15	W 5
T 6	5 23 10	20°34'27	29° 0	9°11	29° 9	23°46	14°30	23° 4	20°52	6°23	10°41	26°27	25°20	11°22	16°22	T 6
F 7	5 27 7	21°35'39	13♎ 3	10°43	0♐24	24°21	14°41	23°11	20°55	6°21	10°42	26°28	25°17	11°28	16°29	F 7
S 8	5 31 3	22°36'51	26°57	12°15	1°39	24°56	14°53	23°17	20°58	6°19	10°42	26°30	25°14	11°35	16°35	S 8
S 9	5 35 0	23°38'04	10♏43	13°48	2°54	25°31	15° 4	23°24	21° 1	6°18	10°43	26°31	25°11	11°42	16°42	S 9
M10	5 38 57	24°39'17	24°19	15°21	4° 9	26° 6	15°16	23°30	21° 4	6°16	10°43	26°R32	25° 7	11°48	16°49	M10
T 11	5 42 53	25°40'31	7♐44	16°54	5°25	26°41	15°27	23°36	21° 8	6°15	10°44	26°31	25° 4	11°55	16°55	T 11
W12	5 46 50	26°41'45	20°57	18°27	6°40	27°16	15°39	23°43	21°11	6°13	10°44	26°29	25° 1	12° 2	17° 2	W12
T 13	5 50 46	27°42'59	3♑56	20° 1	7°55	27°51	15°51	23°49	21°14	6°11	10°45	26°26	24°58	12° 9	17° 9	T 13
F 14	5 54 43	28°44'12	16°41	21°35	9°10	28°27	16° 3	23°55	21°18	6°10	10°46	26°20	24°55	12°15	17°15	F 14
S 15	5 58 39	29°45'26	29°12	23° 9	10°26	29° 2	16°15	24° 2	21°21	6° 8	10°46	26°14	24°52	12°22	17°22	S 15
S 16	6 2 36	0♑46'39	11♒29	24°44	11°41	29°38	16°27	24° 8	21°24	6° 7	10°47	26° 8	24°48	12°29	17°29	S 16
M17	6 6 33	1°47'52	23°35	26°19	12°56	0♈14	16°39	24°14	21°28	6° 5	10°48	26° 2	24°45	12°35	17°35	M17
T 18	6 10 29	2°49'04	5♓32	27°55	14°11	0°49	16°51	24°20	21°31	6° 4	10°48	25°57	24°42	12°42	17°42	T 18
W19	6 14 26	3°50'16	17°24	29°31	15°26	1°25	17° 4	24°26	21°34	6° 2	10°49	25°54	24°39	12°49	17°48	W19
T 20	6 18 22	4°51'28	29°16	1♑ 7	16°42	2° 1	17°16	24°32	21°38	6° 1	10°50	25°52	24°36	12°56	17°55	T 20
F 21	6 22 19	5°52'39	11♈11	2°44	17°57	2°37	17°29	24°38	21°41	5°59	10°51	25°D52	24°32	13° 2	18° 1	F 21
S 22	6 26 15	6°53'49	23°16	4°21	19°12	3°14	17°41	24°44	21°45	5°58	10°51	25°53	24°29	13° 9	18° 8	S 22
S 23	6 30 12	7°54'59	5♉34	5°58	20°27	3°50	17°54	24°50	21°48	5°57	10°52	25°55	24°26	13°16	18°14	S 23
M24	6 34 8	8°56'08	18°12	7°37	21°43	4°26	18° 7	24°56	21°51	5°55	10°53	25°56	24°23	13°22	18°20	M24
T 25	6 38 5	9°57'16	1♊12	9°15	22°58	5° 2	18°20	25° 1	21°55	5°54	10°54	25°R56	24°20	13°29	18°27	T 25
W26	6 42 2	10°58'24	14°36	10°54	24°13	5°39	18°32	25° 7	21°58	5°53	10°55	25°55	24°17	13°36	18°33	W26
T 27	6 45 58	11°59'31	28°26	12°34	25°28	6°15	18°45	25°13	22° 2	5°51	10°56	25°51	24°13	13°43	18°39	T 27
F 28	6 49 55	13° 0'38	12♋38	14°14	26°43	6°52	18°58	25°18	22° 5	5°50	10°56	25°45	24°10	13°49	18°46	F 28
S 29	6 53 51	14° 1'44	27° 7	15°55	27°59	7°28	19°12	25°24	22° 9	5°49	10°57	25°37	24° 7	13°56	18°52	S 29
S 30	6 57 48	15° 2'49	11♌47	17°36	29°14	8° 5	19°25	25°29	22°12	5°47	10°58	25°29	24° 4	14° 3	18°58	S 30
M31	7 1 44	16♑ 3'54	26♌31	19♑17	0♑29	8♈42	19♒38	25♏34	22♑16	5♊46	10♓59	25♉21	24♉ 1	14♓ 9	19♐ 4	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s46	26n25	4n 6	20s17	0n18	17s27	1n11	4s 3	0s28	17s46	0s59	16s39	1n54	22s28	0s30	19n58	1s34	21s54	15s32	19n29	19n15	12s 8	18s32	4n17
S 2	22 52	24 26	4 47	20 42	0 11	17 48	1 8	3 47	0 26	17 43	0 59	16 41	1 54	22 28	0 30	19 57	1 34	21 54	15 32	19 29	19 15	12 6	18 33	4 18
M 3	22 58	20 55	5 10	21 6	0 4	18 8	1 6	3 32	0 24	17 40	0 59	16 43	1 54	22 27	0 30	19 57	1 34	21 53	15 31	19 28	19 14	12 3	18 33	4 18
T 4	23 4	16 11	5 14	21 29	0s 3	18 28	1 4	3 17	0 23	17 37	0 59	16 44	1 54	22 27	0 30	19 57	1 34	21 53	15 31	19 28	19 13	12 0	18 34	4 18
W 5	23 9	10 34	4 59	21 52	0 10	18 47	1 2	3 2	0 21	17 33	0 59	16 46	1 54	22 26	0 30	19 57	1 34	21 52	15 31	19 28	19 12	11 57	18 34	4 18
T 6	23 13	4 27	4 25	22 13	0 17	19 6	1 0	2 47	0 19	17 30	0 59	16 48	1 54	22 26	0 30	19 56	1 34	21 52	15 30	19 28	19 12	11 54	18 35	4 18
F 7	23 18	1s51	3 36	22 33	0 24	19 24	0 58	2 31	0 18	17 27	0 59	16 49	1 54	22 25	0 30	19 56	1 34	21 51	15 30	19 28	19 11	11 52	18 35	4 18
S 8	23 21	8 2	2 35	22 53	0 30	19 41	0 56	2 16	0 16	17 23	0 58	16 51	1 54	22 25	0 30	19 56	1 34	21 51	15 30	19 28	19 10	11 49	18 36	4 18
S 9	23 24	13 46	1 26	23 11	0 37	19 59	0 53	2 1	0 14	17 20	0 58	16 52	1 54	22 24	0 30	19 56	1 34	21 50	15 29	19 29	19 9	11 46	18 36	4 19
M10	23 27	18 45	0 12	23 28	0 43	20 15	0 51	1 45	0 13	17 16	0 58	16 54	1 54	22 24	0 30	19 55	1 34	21 50	15 29	19 29	19 9	11 43	18 37	4 19
T 11	23 29	22 43	1s 1	23 44	0 49	20 31	0 49	1 30	0 11	17 13	0 58	16 55	1 54	22 23	0 30	19 55	1 34	21 49	15 29	19 29	19 8	11 40	18 37	4 19
W12	23 31	25 24	2 10	23 58	0 55	20 46	0 46	1 14	0 10	17 9	0 58	16 57	1 54	22 23	0 30	19 55	1 34	21 49	15 28	19 28	19 7	11 37	18 38	4 19
T 13	23 32	26 40	3 10	24 12	1 1	21 1	0 44	0 59	0 8	17 5	0 58	16 58	1 54	22 22	0 30	19 55	1 34	21 48	15 28	19 27	19 6	11 35	18 38	4 19
F 14	23 33	26 29	4 0	24 24	1 7	21 15	0 41	0 43	0 7	17 2	0 58	17 0	1 55	22 22	0 30	19 54	1 34	21 48	15 28	19 26	19 5	11 32	18 38	4 20
S 15	23 34	24 56	4 37	24 35	1 12	21 29	0 39	0 28	0 5	16 58	0 58	17 1	1 55	22 21	0 30	19 54	1 34	21 47	15 27	19 25	19 5	11 29	18 39	4 20
S 16	23 34	22 14	5 1	24 45	1 17	21 42	0 37	0 12	0 4	16 54	0 58	17 3	1 55	22 21	0 30	19 54	1 34	21 47	15 27	19 23	19 4	11 26	18 39	4 20
M17	23 33	18 36	5 10	24 53	1 22	21 54	0 34	0n 3	0 2	16 51	0 58	17 4	1 55	22 20	0 30	19 54	1 34	21 46	15 27	19 22	19 3	11 23	18 40	4 20
T 18	23 32	14 16	5 6	25 0	1 27	22 6	0 32	0 19	0 1	16 47	0 58	17 6	1 55	22 20	0 30	19 54	1 34	21 46	15 27	19 20	19 2	11 20	18 40	4 20
W19	23 30	9 26	4 49	25 5	1 32	22 17	0 29	0 34	0n 0	16 43	0 58	17 7	1 55	22 19	0 30	19 53	1 34	21 45	15 26	19 20	19 2	11 18	18 40	4 21
T 20	23 28	4 16	4 20	25 10	1 36	22 27	0 27	0 50	0 2	16 39	0 58	17 9	1 55	22 19	0 30	19 53	1 34	21 45	15 26	19 19	19 1	11 15	18 41	4 21
F 21	23 26	1n 6	3 39	25 12	1 40	22 37	0 24	1 6	0 3	16 35	0 58	17 10	1 55	22 18	0 30	19 53	1 34	21 44	15 26	19 19	19 0	11 12	18 41	4 21
S 22	23 23	6 29	2 48	25 13	1 44	22 46	0 22	1 21	0 4	16 31	0 58	17 11	1 55	22 18	0 30	19 53	1 33	21 43	15 25	19 20	18 59	11 9	18 41	4 21
S 23	23 19	11 45	1 48	25 13	1 48	22 54	0 19	1 37	0 5	16 28	0 58	17 13	1 55	22 17	0 30	19 52	1 33	21 43	15 25	19 20	18 59	11 6	18 42	4 22
M24	23 15	16 40	0 42	25 11	1 51	23 2	0 16	1 52	0 7	16 24	0 58	17 14	1 55	22 16	0 30	19 52	1 33	21 42	15 25	19 20	18 58	11 3	18 42	4 22
T 25	23 11	20 58	0n28	25 8	1 54	23 8	0 14	2 8	0 8	16 20	0 58	17 15	1 55	22 16	0 30	19 52	1 33	21 42	15 24	19 20	18 57	11 0	18 42	4 22
W26	23 6	24 19	1 39	25 3	1 56	23 15	0 11	2 24	0 9	16 15	0 58	17 16	1 55	22 15	0 30	19 52	1 33	21 41	15 24	19 20	18 56	10 57	18 42	4 22
T 27	23 1	26 19	2 46	24 56	1 59	23 20	0 9	2 39	0 10	16 11	0 58	17 18	1 56	22 15	0 30	19 52	1 33	21 40	15 24	19 19	18 55	10 55	18 43	4 23
F 28	22 55	26 41	3 45	24 48	2 1	23 25	0 6	2 55	0 12	16 7	0 58	17 19	1 56	22 14	0 30	19 51	1 33	21 40	15 24	19 18	18 55	10 52	18 43	4 23
S 29	22 49	25 15	4 30	24 38	2 2	23 29	0 4	3 10	0 13	16 3	0 57	17 20	1 56	22 14	0 30	19 51	1 33	21 39	15 23	19 16	18 54	10 49	18 43	4 23
S 30	22 42	22 6	4 58	24 26	2 3	23 32	0 1	3 26	0 14	15 59	0 57	17 21	1 56	22 13	0 30	19 51	1 33	21 39	15 23	19 14	18 53	10 46	18 43	4 23
M31	22s35	17n32	5n 6	24s13	2s 4	23s35	0s 1	3n42	0n15	15s55	0s57	17s23	1n56	22s12	0s30	19n51	1s33	21s38	15s23	19n12	18n52	10s43	18s44	4n24

Julian Day Number = 2112940.5, Delta T = 19m15s
Ecliptic obliquity = 23°33'39, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°49'01, Lahiri = 10°56'01 Julian Calendar 1 Dec. 1072 == Greg. Calendar 7 Dec. 1072

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1073
geocentric

JANUARY 1073 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 5 41	17♉ 4'58	11♍10	21♉ 0	1♉44	9♈18	19♒51	25♏40	22♉19	5°R45	11♓ 0	25°R15	23♉58	14♓16	19♐11	T 1
W 2	7 9 37	18° 6'02	25°39	22°42	2°59	9°55	20° 4	25°45	22°23	5♊44	11° 1	25♉10	23°54	14°23	19°17	W 2
T 3	7 13 34	19° 7'05	9♎54	24°25	4°15	10°32	20°18	25°50	22°26	5°43	11° 2	25° 8	23°51	14°30	19°23	T 3
F 4	7 17 31	20° 8'07	23°52	26° 9	5°30	11° 9	20°31	25°55	22°30	5°42	11° 3	25°D 8	23°48	14°36	19°29	F 4
S 5	7 21 27	21° 9'09	7♏34	27°53	6°45	11°46	20°45	26° 0	22°33	5°40	11° 4	25° 8	23°45	14°43	19°35	S 5
S 6	7 25 24	22°10'11	21° 1	29°37	8° 0	12°23	20°58	26° 5	22°37	5°39	11° 6	25°R 9	23°42	14°50	19°41	S 6
M 7	7 29 20	23°11'12	4♐14	1♒22	9°15	13° 0	21°12	26°10	22°41	5°38	11° 7	25° 9	23°38	14°56	19°47	M 7
T 8	7 33 17	24°12'12	17°15	3° 7	10°31	13°37	21°25	26°15	22°44	5°37	11° 8	25° 6	23°35	15° 3	19°53	T 8
W 9	7 37 13	25°13'12	0♉ 5	4°52	11°46	14°14	21°39	26°20	22°48	5°36	11° 9	25° 1	23°32	15°10	19°58	W 9
T 10	7 41 10	26°14'10	12°45	6°37	13° 1	14°51	21°53	26°24	22°51	5°35	11°10	24°53	23°29	15°17	20° 4	T 10
F 11	7 45 7	27°15'08	25°14	8°22	14°16	15°28	22° 7	26°29	22°55	5°34	11°11	24°43	23°26	15°23	20°10	F 11
S 12	7 49 3	28°16'04	7♒33	10° 6	15°31	16° 6	22°21	26°34	22°58	5°34	11°12	24°31	23°23	15°30	20°16	S 12
S 13	7 53 0	29°17'00	19°43	11°50	16°47	16°43	22°34	26°38	23° 2	5°33	11°14	24°18	23°19	15°37	20°21	S 13
M14	7 56 56	0♒17'54	1♓45	13°33	18° 2	17°20	22°48	26°42	23° 5	5°32	11°15	24° 6	23°16	15°44	20°27	M14
T 15	8 0 53	1°18'46	13°40	15°15	19°17	17°58	23° 2	26°47	23° 9	5°31	11°16	23°55	23°13	15°50	20°33	T 15
W16	8 4 49	2°19'37	25°30	16°56	20°32	18°35	23°16	26°51	23°12	5°30	11°17	23°46	23°10	15°57	20°38	W16
T 17	8 8 46	3°20'27	7♈20	18°34	21°47	19°12	23°30	26°55	23°16	5°29	11°18	23°40	23° 7	16° 4	20°44	T 17
F 18	8 12 42	4°21'15	19°12	20°11	23° 2	19°50	23°44	26°59	23°19	5°29	11°20	23°37	23° 4	16°10	20°49	F 18
S 19	8 16 39	5°22'01	1♉13	21°44	24°18	20°27	23°58	27° 3	23°23	5°28	11°21	23°D35	23° 0	16°17	20°54	S 19
S 20	8 20 35	6°22'46	13°28	23°15	25°33	21° 5	24°13	27° 7	23°26	5°27	11°22	23°36	22°57	16°24	21° 0	S 20
M21	8 24 32	7°23'30	26° 1	24°41	26°48	21°42	24°27	27°11	23°29	5°27	11°24	23°R36	22°54	16°30	21° 5	M21
T 22	8 28 29	8°24'12	8♊57	26° 3	28° 3	22°20	24°41	27°15	23°33	5°26	11°25	23°35	22°51	16°37	21°10	T 22
W23	8 32 25	9°24'52	22°22	27°20	29°18	22°58	24°55	27°18	23°36	5°26	11°26	23°32	22°48	16°44	21°15	W23
T 24	8 36 22	10°25'30	6♋15	28°30	0♒33	23°35	25° 9	27°22	23°40	5°25	11°28	23°26	22°44	16°51	21°20	T 24
F 25	8 40 18	11°26'07	20°37	29°34	1°48	24°13	25°24	27°25	23°43	5°25	11°29	23°18	22°41	16°57	21°25	F 25
S 26	8 44 15	12°26'42	5♌23	0♓31	3° 3	24°51	25°38	27°29	23°47	5°24	11°30	23° 7	22°38	17° 4	21°30	S 26
S 27	8 48 11	13°27'15	20°26	1°19	4°18	25°28	25°52	27°32	23°50	5°24	11°32	22°56	22°35	17°11	21°35	S 27
M28	8 52 8	14°27'47	5♍35	1°59	5°33	26° 6	26° 6	27°35	23°53	5°23	11°33	22°45	22°32	17°17	21°40	M28
T 29	8 56 5	15°28'18	20°39	2°29	6°48	26°44	26°21	27°38	23°57	5°23	11°35	22°35	22°29	17°24	21°45	T 29
W30	9 0 1	16°28'46	5♎31	2°50	8° 3	27°21	26°35	27°41	24° 0	5°23	11°36	22°28	22°25	17°31	21°49	W30
T 31	9 3 58	17♒29'14	20♎ 2	3♓ 0	9♒18	27♈59	26♒49	27♏44	24♉ 3	5♊22	11♓37	22♉23	22♉22	17♓38	21♐54	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s28	11n57	4n55	23s58	2s 4	23s37	0s 4	3n57	0n16	15s51	0s57	17s24	1n56	22s12	0s30	19n51	1s33	21s37	15s23	19n10	18n51	10s40	18s44	4n24
W 2	22 20	5 47	4 24	23 41	2 4	23 38	0 6	4 13	0 17	15 46	0 57	17 25	1 56	22 11	0 30	19 51	1 33	21 37	15 22	19 9	18 51	10 37	18 44	4 24
T 3	22 11	0s36	3 38	23 22	2 4	23 38	0 9	4 28	0 18	15 42	0 57	17 26	1 56	22 11	0 30	19 50	1 33	21 36	15 22	19 9	18 50	10 34	18 44	4 25
F 4	22 3	6 50	2 40	23 2	2 3	23 38	0 11	4 44	0 19	15 38	0 57	17 27	1 56	22 10	0 30	19 50	1 33	21 35	15 22	19 9	18 49	10 31	18 44	4 25
S 5	21 53	12 39	1 33	22 40	2 1	23 37	0 14	4 59	0 20	15 33	0 57	17 28	1 56	22 10	0 30	19 50	1 33	21 35	15 22	19 9	18 48	10 28	18 44	4 25
S 6	21 44	17 45	0 22	22 16	1 59	23 35	0 16	5 15	0 21	15 29	0 57	17 29	1 57	22 9	0 30	19 50	1 33	21 34	15 21	19 9	18 47	10 26	18 45	4 26
M 7	21 33	21 54	0s48	21 51	1 57	23 33	0 19	5 30	0 22	15 25	0 57	17 30	1 57	22 8	0 30	19 50	1 33	21 33	15 21	19 9	18 47	10 23	18 45	4 26
T 8	21 23	24 52	1 55	21 24	1 53	23 29	0 21	5 45	0 23	15 20	0 57	17 31	1 57	22 8	0 30	19 50	1 33	21 33	15 21	19 8	18 46	10 20	18 45	4 26
W 9	21 12	26 29	2 55	20 55	1 50	23 25	0 23	6 1	0 24	15 16	0 57	17 32	1 57	22 7	0 30	19 50	1 33	21 32	15 21	19 7	18 45	10 17	18 45	4 27
T 10	21 1	26 41	3 45	20 25	1 45	23 21	0 26	6 16	0 25	15 11	0 57	17 33	1 57	22 7	0 30	19 50	1 33	21 32	15 20	19 5	18 44	10 14	18 45	4 27
F 11	20 49	25 31	4 24	19 52	1 40	23 15	0 28	6 31	0 26	15 7	0 57	17 34	1 57	22 6	0 30	19 49	1 33	21 31	15 20	19 3	18 43	10 11	18 45	4 27
S 12	20 37	23 8	4 49	19 19	1 34	23 9	0 30	6 47	0 27	15 2	0 57	17 35	1 57	22 6	0 30	19 49	1 33	21 30	15 20	19 0	18 43	10 8	18 45	4 28
S 13	20 24	19 44	5 1	18 44	1 28	23 2	0 33	7 2	0 28	14 58	0 57	17 36	1 57	22 5	0 30	19 49	1 33	21 30	15 20	18 57	18 42	10 5	18 45	4 28
M14	20 11	15 33	4 59	18 8	1 21	22 55	0 35	7 17	0 29	14 53	0 57	17 37	1 57	22 4	0 30	19 49	1 32	21 29	15 19	18 53	18 41	10 2	18 45	4 28
T 15	19 58	10 50	4 45	17 30	1 13	22 47	0 37	7 32	0 30	14 48	0 57	17 38	1 58	22 4	0 30	19 49	1 32	21 28	15 19	18 51	18 40	9 59	18 45	4 29
W16	19 44	5 44	4 18	16 51	1 4	22 38	0 39	7 47	0 31	14 44	0 57	17 39	1 58	22 3	0 30	19 49	1 32	21 28	15 19	18 49	18 39	9 56	18 45	4 29
T 17	19 30	0 26	3 39	16 12	0 54	22 28	0 41	8 3	0 32	14 39	0 57	17 39	1 58	22 3	0 30	19 49	1 32	21 27	15 19	18 47	18 39	9 53	18 45	4 30
F 18	19 16	4n55	2 52	15 32	0 44	22 18	0 43	8 18	0 32	14 35	0 57	17 40	1 58	22 2	0 30	19 49	1 32	21 26	15 19	18 46	18 38	9 50	18 45	4 30
S 19	19 1	10 9	1 56	14 51	0 33	22 7	0 45	8 33	0 33	14 30	0 57	17 41	1 58	22 1	0 30	19 49	1 32	21 25	15 18	18 46	18 37	9 47	18 45	4 30
S 20	18 46	15 7	0 54	14 10	0 21	21 55	0 47	8 48	0 34	14 25	0 57	17 42	1 58	22 1	0 30	19 49	1 32	21 25	15 18	18 46	18 36	9 44	18 45	4 31
M21	18 31	19 34	0n13	13 29	0 8	21 43	0 49	9 2	0 35	14 20	0 57	17 42	1 58	22 0	0 30	19 49	1 32	21 24	15 18	18 46	18 35	9 41	18 45	4 31
T 22	18 15	23 14	1 20	12 49	0n 5	21 30	0 51	9 17	0 36	14 16	0 57	17 43	1 59	22 0	0 30	19 49	1 32	21 23	15 18	18 46	18 35	9 38	18 45	4 32
W23	17 59	25 46	2 26	12 10	0 19	21 16	0 53	9 32	0 36	14 11	0 57	17 44	1 59	21 59	0 30	19 48	1 32	21 23	15 18	18 45	18 34	9 35	18 45	4 32
T 24	17 43	26 50	3 25	11 32	0 34	21 2	0 55	9 47	0 37	14 6	0 57	17 45	1 59	21 59	0 30	19 48	1 32	21 22	15 18	18 44	18 33	9 32	18 45	4 32
F 25	17 26	26 9	4 13	10 55	0 49	20 47	0 57	10 1	0 38	14 1	0 57	17 45	1 59	21 58	0 30	19 48	1 32	21 21	15 17	18 42	18 32	9 30	18 45	4 33
S 26	17 9	23 38	4 46	10 20	1 5	20 32	0 59	10 16	0 39	13 56	0 57	17 46	1 59	21 57	0 30	19 48	1 32	21 21	15 17	18 39	18 31	9 27	18 45	4 33
S 27	16 52	19 29	5 0	9 48	1 21	20 16	1 0	10 31	0 39	13 52	0 57	17 46	1 59	21 57	0 30	19 48	1 32	21 20	15 17	18 36	18 31	9 24	18 44	4 34
M28	16 35	14 3	4 53	9 19	1 37	19 59	1 2	10 45	0 40	13 47	0 57	17 47	1 59	21 56	0 30	19 48	1 32	21 19	15 17	18 33	18 30	9 21	18 44	4 34
T 29	16 17	7 47	4 25	8 53	1 53	19 42	1 4	10 59	0 41	13 42	0 57	17 48	1 59	21 56	0 30	19 48	1 32	21 19	15 17	18 31	18 29	9 18	18 44	4 35
W30	15 59	1 10	3 40	8 31	2 9	19 24	1 5	11 14	0 42	13 37	0 57	17 48	2 0	21 55	0 31	19 48	1 32	21 18	15 17	18 29	18 28	9 15	18 44	4 35
T 31	15s40	5s23	2n42	8s13	2n24	19s 5	1s 7	11n28	0n42	13s32	0s58	17s49	2n 0	21s55	0s31	19n48	1s32	21s17	15s17	18n28	18n27	9s12	18s44	4n35

Julian Day Number = 2112971.5, Delta T = 19m14s
Ecliptic obliquity = 23°33'39, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°49'05, Lahiri = 10°56'05 Julian Calendar 1 Jan. 1073 == Greg. Calendar 7 Jan. 1073

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1073
geocentric

FEBRUARY 1073 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 7 54	18♒29'40	4♏10	3°R 1	10♒33	28♈37	27♒ 4	27♏47	24♑ 7	5°R22	11♓39	22°R21	22♉19	17♓44	21♐59	F 1
S 2	9 11 51	19°30'05	17°54	2♓51	11°48	29°15	27°18	27°50	24°10	5♊22	11°40	22♉21	22°16	17°51	22° 3	S 2
S 3	9 15 47	20°30'28	1♐17	2°32	13° 3	29°52	27°33	27°53	24°13	5°22	11°42	22°21	22°13	17°58	22° 8	S 3
M 4	9 19 44	21°30'50	14°20	2° 3	14°18	0♉30	27°47	27°55	24°16	5°21	11°43	22°19	22°10	18° 4	22°12	M 4
T 5	9 23 40	22°31'11	27° 7	1°26	15°33	1° 8	28° 2	27°58	24°20	5°21	11°45	22°16	22° 6	18°11	22°16	T 5
W 6	9 27 37	23°31'30	9♑40	0°41	16°48	1°46	28°16	28° 0	24°23	5°21	11°46	22°10	22° 3	18°18	22°21	W 6
T 7	9 31 34	24°31'48	22° 3	29♒50	18° 3	2°24	28°30	28° 3	24°26	5°21	11°48	22° 1	22° 0	18°25	22°25	T 7
F 8	9 35 30	25°32'03	4♒18	28°53	19°18	3° 2	28°45	28° 5	24°29	5°D21	11°49	21°49	21°57	18°31	22°29	F 8
S 9	9 39 27	26°32'17	16°25	27°53	20°33	3°39	28°59	28° 7	24°32	5°21	11°51	21°35	21°54	18°38	22°33	S 9
S 10	9 43 23	27°32'30	28°26	26°51	21°48	4°17	29°14	28° 9	24°35	5°21	11°52	21°20	21°50	18°45	22°37	S 10
M11	9 47 20	28°32'40	10♓21	25°48	23° 3	4°55	29°28	28°11	24°38	5°21	11°54	21° 6	21°47	18°51	22°41	M11
T 12	9 51 16	29°32'48	22°13	24°46	24°18	5°33	29°43	28°13	24°41	5°21	11°55	20°53	21°44	18°58	22°44	T 12
W13	9 55 13	0♓32'54	4♈ 3	23°46	25°33	6°11	29°57	28°14	24°44	5°22	11°57	20°42	21°41	19° 5	22°48	W13
T 14	9 59 9	1°32'59	15°53	22°50	26°47	6°49	0♓12	28°16	24°47	5°22	11°58	20°35	21°38	19°12	22°52	T 14
F 15	10 3 6	2°33'01	27°46	21°58	28° 2	7°27	0°26	28°17	24°50	5°22	12° 0	20°30	21°35	19°18	22°55	F 15
S 16	10 7 2	3°33'01	9♉46	21°11	29°17	8° 5	0°41	28°19	24°53	5°22	12° 1	20°28	21°31	19°25	22°59	S 16
S 17	10 10 59	4°32'58	21°58	20°30	0♓32	8°43	0°55	28°20	24°56	5°22	12° 3	20°D27	21°28	19°32	23° 2	S 17
M18	10 14 56	5°32'54	4♊27	19°55	1°47	9°21	1°10	28°21	24°59	5°23	12° 4	20°R28	21°25	19°38	23° 6	M18
T 19	10 18 52	6°32'47	17°18	19°27	3° 2	9°59	1°24	28°23	25° 2	5°23	12° 6	20°27	21°22	19°45	23° 9	T 19
W20	10 22 49	7°32'39	0♋35	19° 5	4°16	10°37	1°39	28°24	25° 5	5°23	12° 7	20°25	21°19	19°52	23°12	W20
T 21	10 26 45	8°32'28	14°22	18°50	5°31	11°15	1°53	28°24	25° 8	5°24	12° 9	20°21	21°15	19°58	23°15	T 21
F 22	10 30 42	9°32'14	28°40	18°41	6°46	11°53	2° 7	28°25	25°10	5°24	12°10	20°14	21°12	20° 5	23°18	F 22
S 23	10 34 38	10°31'58	13♌25	18°D38	8° 0	12°31	2°22	28°26	25°13	5°25	12°12	20° 5	21° 9	20°12	23°21	S 23
S 24	10 38 35	11°31'41	28°31	18°42	9°15	13° 9	2°36	28°27	25°16	5°25	12°13	19°55	21° 6	20°19	23°24	S 24
M25	10 42 31	12°31'20	13♍50	18°51	10°30	13°47	2°51	28°27	25°19	5°26	12°15	19°44	21° 3	20°25	23°27	M25
T 26	10 46 28	13°30'58	29° 9	19° 6	11°45	14°25	3° 5	28°28	25°21	5°27	12°17	19°36	21° 0	20°32	23°29	T 26
W27	10 50 25	14°30'34	14♎17	19°27	12°59	15° 3	3°19	28°28	25°24	5°27	12°18	19°29	20°56	20°39	23°32	W27
T 28	10 54 21	15♓30'08	29♎ 6	19♒52	14♓14	15♉41	3♓34	28♏28	25♑26	5♊28	12♓20	19♉25	20♉53	20♓45	23♐35	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	15s22	11s30	1n34	7s59	2n39	18s46	1s 8	11n42	0n43	13s27	0s58	17s49	2n 0	21s54	0s31	19n48	1s31	21s17	15s16	18n27	18n27	9s 9	18s44	4n36
S 2	15 3	16 53	0 23	7 49	2 53	18 27	1 10	11 56	0 44	13 22	0 58	17 50	2 0	21 53	0 31	19 48	1 31	21 16	15 16	18 27	18 26	9 6	18 43	4 36
S 3	14 44	21 17	0s47	7 44	3 5	18 7	1 11	12 10	0 44	13 17	0 58	17 50	2 0	21 53	0 31	19 48	1 31	21 15	15 16	18 27	18 25	9 3	18 43	4 37
M 4	14 24	24 31	1 53	7 44	3 17	17 46	1 12	12 24	0 45	13 12	0 58	17 51	2 0	21 52	0 31	19 48	1 31	21 15	15 16	18 27	18 24	9 0	18 43	4 37
T 5	14 5	26 24	2 52	7 48	3 27	17 25	1 14	12 38	0 45	13 7	0 58	17 51	2 1	21 52	0 31	19 48	1 31	21 14	15 16	18 26	18 23	8 57	18 43	4 38
W 6	13 45	26 54	3 42	7 56	3 35	17 4	1 15	12 52	0 46	13 2	0 58	17 51	2 1	21 51	0 31	19 48	1 31	21 13	15 16	18 24	18 22	8 54	18 43	4 38
T 7	13 25	26 1	4 20	8 9	3 41	16 42	1 16	13 6	0 47	12 57	0 58	17 52	2 1	21 51	0 31	19 49	1 31	21 13	15 16	18 22	18 22	8 51	18 42	4 39
F 8	13 4	23 54	4 46	8 25	3 45	16 20	1 17	13 19	0 47	12 52	0 58	17 52	2 1	21 50	0 31	19 49	1 31	21 12	15 16	18 19	18 21	8 48	18 42	4 39
S 9	12 44	20 44	4 58	8 44	3 46	15 57	1 18	13 33	0 48	12 47	0 58	17 52	2 1	21 50	0 31	19 49	1 31	21 11	15 16	18 15	18 20	8 45	18 42	4 40
S 10	12 23	16 43	4 57	9 5	3 46	15 33	1 19	13 46	0 48	12 42	0 58	17 53	2 1	21 49	0 31	19 49	1 31	21 11	15 16	18 11	18 19	8 42	18 41	4 40
M11	12 2	12 5	4 43	9 29	3 43	15 10	1 20	14 0	0 49	12 37	0 58	17 53	2 1	21 49	0 31	19 49	1 31	21 10	15 16	18 7	18 18	8 39	18 41	4 41
T 12	11 41	7 1	4 16	9 54	3 38	14 45	1 21	14 13	0 50	12 32	0 58	17 53	2 2	21 48	0 31	19 49	1 31	21 9	15 15	18 4	18 17	8 36	18 41	4 41
W13	11 20	1 44	3 39	10 20	3 32	14 21	1 21	14 26	0 50	12 27	0 58	17 53	2 2	21 47	0 31	19 49	1 31	21 9	15 15	18 1	18 17	8 33	18 41	4 42
T 14	10 59	3n38	2 52	10 46	3 24	13 56	1 22	14 39	0 51	12 22	0 58	17 54	2 2	21 47	0 31	19 49	1 31	21 8	15 15	17 59	18 16	8 29	18 40	4 42
F 15	10 37	8 55	1 57	11 12	3 14	13 31	1 23	14 52	0 51	12 17	0 58	17 54	2 2	21 46	0 31	19 49	1 31	21 7	15 15	17 58	18 15	8 26	18 40	4 43
S 16	10 15	13 55	0 56	11 37	3 3	13 5	1 23	15 5	0 52	12 12	0 58	17 54	2 2	21 46	0 31	19 49	1 31	21 7	15 15	17 57	18 14	8 23	18 40	4 43
S 17	9 53	18 29	0n 8	12 2	2 51	12 39	1 24	15 18	0 52	12 7	0 58	17 54	2 2	21 45	0 31	19 49	1 31	21 6	15 15	17 57	18 13	8 20	18 39	4 44
M18	9 31	22 21	1 14	12 25	2 38	12 12	1 24	15 31	0 53	12 1	0 58	17 54	2 3	21 45	0 31	19 49	1 30	21 6	15 15	17 57	18 12	8 17	18 39	4 44
T 19	9 9	25 14	2 17	12 47	2 24	11 46	1 25	15 43	0 53	11 56	0 58	17 54	2 3	21 44	0 31	19 50	1 30	21 5	15 15	17 57	18 12	8 14	18 38	4 45
W20	8 47	26 49	3 16	13 7	2 11	11 19	1 25	15 56	0 54	11 51	0 58	17 54	2 3	21 44	0 31	19 50	1 30	21 4	15 15	17 57	18 11	8 11	18 38	4 45
T 21	8 25	26 51	4 5	13 25	1 56	10 51	1 25	16 8	0 54	11 46	0 59	17 54	2 3	21 43	0 31	19 50	1 30	21 4	15 15	17 55	18 10	8 8	18 38	4 46
F 22	8 2	25 7	4 41	13 41	1 42	10 24	1 26	16 21	0 55	11 41	0 59	17 54	2 3	21 43	0 31	19 50	1 30	21 3	15 15	17 54	18 9	8 5	18 37	4 46
S 23	7 39	21 40	5 0	13 56	1 28	9 56	1 26	16 33	0 55	11 36	0 59	17 54	2 3	21 42	0 31	19 50	1 30	21 3	15 15	17 51	18 8	8 2	18 37	4 47
S 24	7 17	16 43	4 59	14 8	1 14	9 28	1 26	16 45	0 56	11 31	0 59	17 54	2 4	21 42	0 31	19 50	1 30	21 2	15 15	17 48	18 7	7 59	18 37	4 48
M25	6 54	10 38	4 36	14 18	1 0	8 59	1 26	16 57	0 56	11 26	0 59	17 54	2 4	21 42	0 31	19 50	1 30	21 1	15 15	17 46	18 7	7 56	18 36	4 48
T 26	6 31	3 55	3 54	14 27	0 46	8 31	1 26	17 9	0 57	11 20	0 59	17 54	2 4	21 41	0 31	19 51	1 30	21 1	15 15	17 43	18 6	7 53	18 36	4 49
W27	6 8	2s58	2 55	14 33	0 32	8 2	1 26	17 20	0 57	11 15	0 59	17 54	2 4	21 41	0 31	19 51	1 30	21 0	15 15	17 41	18 5	7 50	18 35	4 49
T 28	5s45	9s33	1n46	14s38	0n19	7s33	1s25	17n32	0n57	11s10	0s59	17s54	2n 4	21s40	0s31	19n51	1s30	21s 0	15s15	17n40	18n 4	7s47	18s35	4n50

Julian Day Number = 2113002.5, Delta T = 19m14s
Ecliptic obliquity = 23°33'40, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°49'09, Lahiri = 10°56'09 Julian Calendar 1 Feb. 1073 == Greg. Calendar 7 Feb. 1073

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1073
geocentric

MARCH 1073 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 58 18	16♓29'40	13♏29	20♒21	15♓28	16♉18	3♓48	28♏28	25♑29	5♊28	12♓21	19°D23	20♉50	20♓52	23♐37	F 1
S 2	11 2 14	17°29'11	27°25	20°56	16°43	16°56	4° 2	28°R28	25°31	5°29	12°23	19♉23	20°47	20°59	23°39	S 2
S 3	11 6 11	18°28'39	10♐54	21°34	17°58	17°34	4°16	28°28	25°34	5°30	12°24	19°24	20°44	21° 6	23°42	S 3
M 4	11 10 7	19°28'06	23°58	22°16	19°12	18°12	4°31	28°28	25°36	5°31	12°26	19°R24	20°41	21°12	23°44	M 4
T 5	11 14 4	20°27'31	6♑42	23° 2	20°27	18°50	4°45	28°28	25°39	5°32	12°27	19°23	20°37	21°19	23°46	T 5
W 6	11 18 0	21°26'55	19°10	23°51	21°41	19°28	4°59	28°27	25°41	5°32	12°29	19°19	20°34	21°26	23°48	W 6
T 7	11 21 57	22°26'16	1♒24	24°44	22°56	20° 6	5°13	28°27	25°43	5°33	12°30	19°13	20°31	21°32	23°50	T 7
F 8	11 25 54	23°25'36	13°29	25°40	24°10	20°44	5°27	28°26	25°46	5°34	12°32	19° 5	20°28	21°39	23°52	F 8
S 9	11 29 50	24°24'53	25°28	26°38	25°25	21°22	5°41	28°26	25°48	5°35	12°33	18°55	20°25	21°46	23°53	S 9
S 10	11 33 47	25°24'09	7♓22	27°39	26°40	22° 0	5°56	28°25	25°50	5°36	12°35	18°44	20°21	21°52	23°55	S 10
M11	11 37 43	26°23'22	19°13	28°43	27°54	22°38	6°10	28°24	25°52	5°37	12°36	18°34	20°18	21°59	23°56	M11
T 12	11 41 40	27°22'34	1♈ 3	29°49	29° 8	23°16	6°24	28°23	25°54	5°38	12°38	18°24	20°15	22° 6	23°58	T 12
W13	11 45 36	28°21'43	12°54	0♓58	0♈23	23°54	6°38	28°22	25°56	5°39	12°39	18°17	20°12	22°13	23°59	W13
T 14	11 49 33	29°20'50	24°48	2° 9	1°37	24°32	6°51	28°21	25°58	5°40	12°41	18°12	20° 9	22°19	24° 1	T 14
F 15	11 53 29	0♈19'55	6♉46	3°22	2°52	25°10	7° 5	28°20	26° 0	5°41	12°42	18° 9	20° 6	22°26	24° 2	F 15
S 16	11 57 26	1°18'58	18°52	4°37	4° 6	25°48	7°19	28°18	26° 2	5°43	12°44	18°D 8	20° 2	22°33	24° 3	S 16
S 17	12 1 23	2°17'58	1♊ 9	5°55	5°21	26°26	7°33	28°17	26° 4	5°44	12°45	18° 9	19°59	22°39	24° 4	S 17
M18	12 5 19	3°16'57	13°40	7°14	6°35	27° 4	7°47	28°15	26° 6	5°45	12°47	18°10	19°56	22°46	24° 5	M18
T 19	12 9 16	4°15'53	26°30	8°35	7°49	27°42	8° 1	28°14	26° 8	5°46	12°48	18°11	19°53	22°53	24° 6	T 19
W20	12 13 12	5°14'46	9♋43	9°58	9° 4	28°20	8°14	28°12	26°10	5°48	12°50	18°R12	19°50	22°59	24° 6	W20
T 21	12 17 9	6°13'38	23°21	11°22	10°18	28°58	8°28	28°10	26°11	5°49	12°51	18°10	19°47	23° 6	24° 7	T 21
F 22	12 21 5	7°12'27	7♌27	12°49	11°32	29°36	8°41	28° 8	26°13	5°50	12°53	18° 7	19°43	23°13	24° 7	F 22
S 23	12 25 2	8°11'13	21°59	14°17	12°46	0♊14	8°55	28° 6	26°15	5°51	12°54	18° 2	19°40	23°20	24° 8	S 23
S 24	12 28 58	9° 9'58	6♍53	15°47	14° 1	0°52	9° 8	28° 4	26°16	5°53	12°55	17°57	19°37	23°26	24° 8	S 24
M25	12 32 55	10° 8'39	22° 2	17°18	15°15	1°30	9°22	28° 2	26°18	5°54	12°57	17°51	19°34	23°33	24° 9	M25
T 26	12 36 52	11° 7'19	7♎17	18°51	16°29	2° 8	9°35	28° 0	26°19	5°56	12°58	17°46	19°31	23°40	24° 9	T 26
W27	12 40 48	12° 5'57	22°26	20°26	17°43	2°45	9°49	27°57	26°21	5°57	13° 0	17°43	19°27	23°46	24° 9	W27
T 28	12 44 45	13° 4'33	7♏21	22° 3	18°57	3°23	10° 2	27°55	26°22	5°59	13° 1	17°41	19°24	23°53	24°R 9	T 28
F 29	12 48 41	14° 3'07	21°54	23°41	20°11	4° 1	10°15	27°52	26°24	6° 0	13° 2	17°D40	19°21	24° 0	24° 9	F 29
S 30	12 52 38	15° 1'40	6♐ 0	25°20	21°25	4°39	10°28	27°50	26°25	6° 2	13° 4	17°41	19°18	24° 6	24° 9	S 30
S 31	12 56 34	16♈ 0'11	19♐39	27♓ 2	22♈40	5♊17	10♓41	27♏47	26♑26	6♊ 3	13♓ 5	17♉43	19♉15	24♓13	24♐ 8	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	5s21	15s28	0n31	14s40	0n 7	7s 4	1s25	17n43	0n58	11s 5	0s59	17s54	2n 4	21s40	0s31	19n51	1s30	20s59	15s15	17n40	18n 3	7s44	18s34	4n50	F 1
S 2	4 58	20 22	0s43	14 41	0s 6	6 34	1 25	17 55	0 58	11 0	0 59	17 54	2 4	21 39	0 31	19 51	1 30	20 58	15 15	17 40	18 2	7 41	18 34	4 51	S 2
S 3	4 35	24 3	1 52	14 40	0 17	6 5	1 25	18 6	0 59	10 55	0 59	17 54	2 5	21 39	0 31	19 51	1 30	20 58	15 15	17 40	18 2	7 38	18 33	4 51	S 3
M 4	4 11	26 19	2 54	14 37	0 29	5 35	1 24	18 17	0 59	10 50	0 59	17 54	2 5	21 38	0 31	19 52	1 30	20 57	15 15	17 40	18 1	7 35	18 33	4 52	M 4
T 5	3 48	27 8	3 45	14 32	0 40	5 5	1 24	18 28	0 59	10 44	1 0	17 53	2 5	21 38	0 31	19 52	1 30	20 57	15 16	17 40	18 0	7 31	18 33	4 53	T 5
W 6	3 24	26 32	4 24	14 25	0 50	4 35	1 23	18 39	1 0	10 39	1 0	17 53	2 5	21 38	0 31	19 52	1 30	20 56	15 16	17 39	17 59	7 28	18 32	4 53	W 6
T 7	3 1	24 40	4 50	14 17	1 0	4 5	1 23	18 49	1 0	10 34	1 0	17 53	2 5	21 37	0 31	19 52	1 29	20 56	15 16	17 37	17 58	7 25	18 32	4 54	T 7
F 8	2 37	21 42	5 3	14 7	1 9	3 35	1 22	19 0	1 1	10 29	1 0	17 53	2 5	21 37	0 31	19 53	1 29	20 55	15 16	17 35	17 57	7 22	18 31	4 54	F 8
S 9	2 14	17 50	5 3	13 55	1 18	3 4	1 21	19 11	1 1	10 24	1 0	17 52	2 6	21 36	0 31	19 53	1 29	20 55	15 16	17 32	17 56	7 19	18 31	4 55	S 9
S 10	1 50	13 19	4 49	13 42	1 26	2 34	1 20	19 21	1 1	10 19	1 0	17 52	2 6	21 36	0 31	19 53	1 29	20 54	15 16	17 29	17 56	7 16	18 30	4 55	S 10
M11	1 27	8 19	4 23	13 27	1 34	2 3	1 19	19 31	1 2	10 14	1 0	17 52	2 6	21 36	0 31	19 53	1 29	20 54	15 16	17 26	17 55	7 13	18 30	4 56	M11
T 12	1 3	3 1	3 45	13 10	1 41	1 33	1 19	19 41	1 2	10 9	1 0	17 51	2 6	21 35	0 31	19 53	1 29	20 53	15 16	17 24	17 54	7 10	18 29	4 57	T 12
W13	0 39	2n24	2 58	12 52	1 48	1 2	1 18	19 51	1 2	10 3	1 0	17 51	2 6	21 35	0 31	19 54	1 29	20 53	15 16	17 22	17 53	7 7	18 29	4 57	W13
T 14	0 16	7 45	2 2	12 33	1 55	0 31	1 17	20 1	1 3	9 58	1 0	17 50	2 6	21 35	0 31	19 54	1 29	20 52	15 16	17 20	17 52	7 4	18 28	4 58	T 14
F 15	0n 8	12 53	1 1	12 11	2 0	0 1	1 15	20 10	1 3	9 53	1 1	17 50	2 6	21 34	0 32	19 54	1 29	20 52	15 16	17 19	17 51	7 1	18 28	4 58	F 15
S 16	0 32	17 35	0n 4	11 49	2 6	0n30	1 14	20 20	1 3	9 48	1 1	17 50	2 7	21 34	0 32	19 54	1 29	20 51	15 17	17 19	17 51	6 57	18 27	4 59	S 16
S 17	0 55	21 38	1 10	11 25	2 10	1 1	1 13	20 29	1 4	9 43	1 1	17 49	2 7	21 34	0 32	19 55	1 29	20 51	15 17	17 19	17 50	6 54	18 26	4 59	S 17
M18	1 19	24 46	2 14	10 59	2 15	1 32	1 12	20 38	1 4	9 38	1 1	17 49	2 7	21 33	0 32	19 55	1 29	20 50	15 17	17 20	17 49	6 51	18 26	5 0	M18
T 19	1 42	26 43	3 13	10 32	2 18	2 2	1 11	20 47	1 4	9 33	1 1	17 48	2 7	21 33	0 32	19 55	1 29	20 50	15 17	17 20	17 48	6 48	18 25	5 1	T 19
W20	2 6	27 15	4 3	10 3	2 22	2 33	1 9	20 56	1 4	9 28	1 1	17 48	2 7	21 33	0 32	19 55	1 29	20 49	15 17	17 20	17 47	6 45	18 25	5 1	W20
T 21	2 29	26 9	4 42	9 34	2 24	3 4	1 8	21 5	1 5	9 23	1 1	17 47	2 7	21 32	0 32	19 56	1 29	20 49	15 17	17 20	17 46	6 42	18 24	5 2	T 21
F 22	2 52	23 24	5 5	9 2	2 27	3 34	1 6	21 14	1 5	9 18	1 1	17 47	2 7	21 32	0 32	19 56	1 29	20 49	15 17	17 19	17 45	6 39	18 24	5 2	F 22
S 23	3 16	19 7	5 9	8 30	2 28	4 5	1 5	21 22	1 5	9 13	1 1	17 46	2 7	21 32	0 32	19 56	1 29	20 48	15 18	17 18	17 44	6 36	18 23	5 3	S 23
S 24	3 39	13 34	4 53	7 56	2 30	4 35	1 3	21 30	1 6	9 8	1 2	17 46	2 8	21 31	0 32	19 57	1 29	20 48	15 18	17 16	17 44	6 33	18 23	5 4	S 24
M25	4 2	7 6	4 17	7 21	2 30	5 5	1 2	21 38	1 6	9 3	1 2	17 45	2 8	21 31	0 32	19 57	1 29	20 47	15 18	17 14	17 43	6 29	18 22	5 4	M25
T 26	4 25	0 11	3 22	6 44	2 31	5 35	1 0	21 46	1 6	8 58	1 2	17 44	2 8	21 31	0 32	19 57	1 29	20 47	15 18	17 13	17 42	6 26	18 21	5 5	T 26
W27	4 48	6s43	2 13	6 6	2 30	6 5	0 58	21 54	1 6	8 53	1 2	17 44	2 8	21 31	0 32	19 57	1 28	20 47	15 18	17 12	17 41	6 23	18 21	5 5	W27
T 28	5 11	13 9	0 56	5 27	2 29	6 35	0 56	22 2	1 7	8 48	1 2	17 43	2 8	21 30	0 32	19 58	1 28	20 46	15 18	17 11	17 40	6 20	18 20	5 6	T 28
F 29	5 34	18 42	0s23	4 47	2 28	7 5	0 55	22 9	1 7	8 43	1 2	17 42	2 8	21 30	0 32	19 58	1 28	20 46	15 19	17 11	17 39	6 17	18 20	5 6	F 29
S 30	5 57	23 2	1 39	4 6	2 26	7 35	0 53	22 16	1 7	8 38	1 2	17 42	2 8	21 30	0 32	19 58	1 28	20 45	15 19	17 12	17 38	6 14	18 19	5 7	S 30
S 31	6n20	25s55	2s46	3s23	2s24	8n 4	0s51	22n24	1n 7	8s34	1s 3	17s41	2n 8	21s30	0s32	19n59	1s28	20s45	15s19	17n12	17n38	6s11	18s19	5n 8	S 31

Julian Day Number = 2113030.5, Delta T = 19m14s
Ecliptic obliquity = 23°33'40, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°49'13, Lahiri = 10°56'13 Julian Calendar 1 March 1073 == Greg. Calendar 7 March 1073

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1073
geocentric

APRIL 1073 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 0 31	16♈58'40	2♉52	28♓45	23♈54	5♊55	10♓55	27°R44	26♉27	6♊ 5	13♓ 6	17♉44	19♉12	24♓20	24°R 8	M 1
T 2	13 4 27	17°57'07	15°41	0♈30	25° 8	6°33	11° 7	27♏42	26°29	6° 6	13° 8	17°R45	19° 8	24°27	24♐ 8	T 2
W 3	13 8 24	18°55'33	28°10	2°16	26°22	7°11	11°20	27°39	26°30	6° 8	13° 9	17°45	19° 5	24°33	24° 7	W 3
T 4	13 12 21	19°53'57	10♒23	4° 4	27°36	7°48	11°33	27°36	26°31	6°10	13°10	17°43	19° 2	24°40	24° 6	T 4
F 5	13 16 17	20°52'20	22°25	5°54	28°50	8°26	11°46	27°33	26°32	6°11	13°12	17°40	18°59	24°47	24° 6	F 5
S 6	13 20 14	21°50'40	4♓20	7°46	0♉ 4	9° 4	11°59	27°30	26°33	6°13	13°13	17°36	18°56	24°53	24° 5	S 6
S 7	13 24 10	22°48'59	16°10	9°39	1°18	9°42	12°12	27°26	26°34	6°15	13°14	17°32	18°52	25° 0	24° 4	S 7
M 8	13 28 7	23°47'17	28° 0	11°34	2°32	10°20	12°24	27°23	26°35	6°17	13°15	17°28	18°49	25° 7	24° 3	M 8
T 9	13 32 3	24°45'32	9♈52	13°30	3°46	10°58	12°37	27°20	26°35	6°18	13°17	17°24	18°46	25°13	24° 2	T 9
W10	13 36 0	25°43'46	21°47	15°28	5° 0	11°36	12°49	27°16	26°36	6°20	13°18	17°22	18°43	25°20	24° 1	W10
T 11	13 39 56	26°41'58	3♉48	17°28	6°14	12°13	13° 2	27°13	26°37	6°22	13°19	17°20	18°40	25°27	24° 0	T 11
F 12	13 43 53	27°40'09	15°57	19°30	7°27	12°51	13°14	27° 9	26°38	6°24	13°20	17°D19	18°37	25°33	23°58	F 12
S 13	13 47 49	28°38'17	28°15	21°32	8°41	13°29	13°26	27° 6	26°38	6°26	13°21	17°20	18°33	25°40	23°57	S 13
S 14	13 51 46	29°36'24	10♊44	23°37	9°55	14° 7	13°38	27° 2	26°39	6°27	13°22	17°21	18°30	25°47	23°55	S 14
M15	13 55 43	0♉34'29	23°26	25°43	11° 9	14°45	13°50	26°58	26°39	6°29	13°24	17°22	18°27	25°54	23°54	M15
T 16	13 59 39	1°32'32	6♋25	27°50	12°23	15°23	14° 2	26°55	26°40	6°31	13°25	17°23	18°24	26° 0	23°52	T 16
W17	14 3 36	2°30'33	19°41	29°58	13°37	16° 0	14°14	26°51	26°40	6°33	13°26	17°24	18°21	26° 7	23°51	W17
T 18	14 7 32	3°28'32	3♌18	2♉ 7	14°50	16°38	14°26	26°47	26°41	6°35	13°27	17°R24	18°18	26°14	23°49	T 18
F 19	14 11 29	4°26'30	17°15	4°16	16° 4	17°16	14°38	26°43	26°41	6°37	13°28	17°24	18°14	26°20	23°47	F 19
S 20	14 15 25	5°24'25	1♍32	6°27	17°18	17°54	14°49	26°39	26°41	6°39	13°29	17°23	18°11	26°27	23°45	S 20
S 21	14 19 22	6°22'18	16° 7	8°37	18°32	18°32	15° 1	26°35	26°41	6°41	13°30	17°22	18° 8	26°34	23°43	S 21
M22	14 23 18	7°20'09	0♎55	10°48	19°45	19° 9	15°13	26°31	26°42	6°43	13°31	17°21	18° 5	26°40	23°41	M22
T 23	14 27 15	8°17'59	15°50	12°58	20°59	19°47	15°24	26°27	26°42	6°45	13°32	17°20	18° 2	26°47	23°39	T 23
W24	14 31 12	9°15'47	0♏43	15° 8	22°13	20°25	15°35	26°23	26°42	6°47	13°33	17°19	17°58	26°54	23°36	W24
T 25	14 35 8	10°13'34	15°28	17°17	23°26	21° 3	15°46	26°19	26°R42	6°49	13°34	17°D19	17°55	27° 1	23°34	T 25
F 26	14 39 5	11°11'19	29°57	19°25	24°40	21°40	15°58	26°15	26°42	6°51	13°35	17°19	17°52	27° 7	23°32	F 26
S 27	14 43 1	12° 9'03	14♐ 5	21°31	25°53	22°18	16° 9	26°10	26°42	6°53	13°36	17°19	17°49	27°14	23°29	S 27
S 28	14 46 58	13° 6'45	27°48	23°36	27° 7	22°56	16°19	26° 6	26°42	6°55	13°37	17°20	17°46	27°21	23°27	S 28
M29	14 50 54	14° 4'27	11♑ 6	25°39	28°20	23°34	16°30	26° 2	26°42	6°57	13°38	17°20	17°43	27°27	23°24	M29
T 30	14 54 51	15♑ 2'07	24♑ 1	27♑40	29♑34	24♊11	16♓41	25♏58	26♉41	6♊59	13♓38	17♉21	17♉39	27♓34	23♐21	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	6n42	27s14	3s42	2s39	2s21	8n34	0s49	22n31	1n 7	8s29	1s 3	17s40	2n 8	21s30	0s32	19n59	1s28	20s45	15s19	17n12	17n37	6s 8	18s18	5n 8
T 2	7 5	27 2	4 26	1 54	2 17	9 3	0 47	22 37	1 8	8 24	1 3	17 40	2 9	21 29	0 32	19 59	1 28	20 44	15 19	17 13	17 36	6 4	18 17	5 9
W 3	7 27	25 27	4 55	1 8	2 13	9 31	0 45	22 44	1 8	8 19	1 3	17 39	2 9	21 29	0 32	20 0	1 28	20 44	15 20	17 13	17 35	6 1	18 17	5 9
T 4	7 49	22 42	5 11	0 20	2 9	10 0	0 43	22 51	1 8	8 14	1 3	17 38	2 9	21 29	0 32	20 0	1 28	20 44	15 20	17 12	17 34	5 58	18 16	5 10
F 5	8 11	19 1	5 12	0n28	2 4	10 29	0 41	22 57	1 8	8 10	1 3	17 37	2 9	21 29	0 32	20 0	1 28	20 44	15 20	17 11	17 33	5 55	18 16	5 10
S 6	8 33	14 37	5 0	1 17	1 58	10 57	0 39	23 3	1 9	8 5	1 3	17 36	2 9	21 29	0 32	20 1	1 28	20 43	15 20	17 10	17 32	5 52	18 15	5 11
S 7	8 55	9 42	4 35	2 7	1 52	11 25	0 37	23 9	1 9	8 0	1 4	17 36	2 9	21 29	0 32	20 1	1 28	20 43	15 21	17 9	17 31	5 49	18 14	5 12
M 8	9 17	4 27	3 59	2 59	1 46	11 52	0 35	23 15	1 9	7 55	1 4	17 35	2 9	21 28	0 32	20 1	1 28	20 43	15 21	17 8	17 31	5 45	18 14	5 12
T 9	9 38	0n59	3 12	3 51	1 39	12 20	0 32	23 21	1 9	7 51	1 4	17 34	2 9	21 28	0 32	20 2	1 28	20 42	15 21	17 7	17 30	5 42	18 13	5 13
W10	10 0	6 26	2 16	4 43	1 31	12 47	0 30	23 26	1 9	7 46	1 4	17 33	2 9	21 28	0 32	20 2	1 28	20 42	15 21	17 6	17 29	5 39	18 13	5 13
T 11	10 21	11 42	1 14	5 37	1 23	13 14	0 28	23 31	1 9	7 41	1 4	17 32	2 9	21 28	0 32	20 2	1 28	20 42	15 22	17 6	17 28	5 36	18 12	5 14
F 12	10 42	16 34	0 8	6 31	1 15	13 40	0 26	23 36	1 10	7 37	1 4	17 31	2 9	21 28	0 32	20 3	1 28	20 42	15 22	17 5	17 27	5 33	18 11	5 14
S 13	11 3	20 51	1n 0	7 25	1 6	14 6	0 23	23 41	1 10	7 32	1 5	17 31	2 9	21 28	0 32	20 3	1 28	20 41	15 22	17 5	17 26	5 30	18 11	5 15
S 14	11 23	24 15	2 6	8 20	0 57	14 32	0 21	23 46	1 10	7 28	1 5	17 30	2 9	21 28	0 33	20 3	1 28	20 41	15 22	17 6	17 25	5 27	18 10	5 15
M15	11 44	26 30	3 7	9 15	0 47	14 57	0 19	23 51	1 10	7 23	1 5	17 29	2 10	21 28	0 33	20 4	1 28	20 41	15 23	17 6	17 24	5 23	18 10	5 16
T 16	12 4	27 23	3 59	10 11	0 37	15 22	0 16	23 55	1 10	7 19	1 5	17 28	2 10	21 28	0 33	20 4	1 28	20 41	15 23	17 6	17 24	5 20	18 9	5 16
W17	12 24	26 44	4 40	11 6	0 27	15 47	0 14	23 59	1 10	7 14	1 5	17 27	2 10	21 28	0 33	20 4	1 28	20 41	15 23	17 7	17 23	5 17	18 8	5 17
T 18	12 44	24 29	5 7	12 0	0 17	16 11	0 11	24 3	1 11	7 10	1 6	17 26	2 10	21 28	0 33	20 5	1 28	20 41	15 23	17 7	17 22	5 14	18 8	5 17
F 19	13 4	20 46	5 16	12 55	0 6	16 35	0 9	24 7	1 11	7 5	1 6	17 25	2 10	21 28	0 33	20 5	1 28	20 40	15 24	17 7	17 21	5 11	18 7	5 18
S 20	13 23	15 45	5 7	13 48	0n 4	16 59	0 6	24 11	1 11	7 1	1 6	17 24	2 10	21 28	0 33	20 6	1 27	20 40	15 24	17 7	17 20	5 8	18 7	5 19
S 21	13 43	9 46	4 38	14 41	0 15	17 22	0 4	24 14	1 11	6 57	1 6	17 23	2 10	21 28	0 33	20 6	1 27	20 40	15 24	17 6	17 19	5 4	18 6	5 19
M22	14 2	3 9	3 50	15 33	0 25	17 44	0 2	24 18	1 11	6 53	1 6	17 22	2 10	21 28	0 33	20 6	1 27	20 40	15 25	17 6	17 18	5 1	18 5	5 20
T 23	14 21	3s43	2 46	16 23	0 36	18 6	0n 1	24 21	1 11	6 48	1 6	17 21	2 10	21 28	0 33	20 7	1 27	20 40	15 25	17 6	17 17	4 58	18 5	5 20
W24	14 39	10 22	1 31	17 12	0 46	18 28	0 3	24 24	1 11	6 44	1 7	17 20	2 10	21 28	0 33	20 7	1 27	20 40	15 25	17 5	17 16	4 55	18 4	5 20
T 25	14 58	16 24	0 10	17 58	0 56	18 49	0 6	24 27	1 11	6 40	1 7	17 19	2 10	21 28	0 33	20 7	1 27	20 40	15 26	17 5	17 16	4 52	18 4	5 21
F 26	15 16	21 23	1s10	18 43	1 6	19 10	0 8	24 29	1 12	6 36	1 7	17 18	2 10	21 28	0 33	20 8	1 27	20 40	15 26	17 5	17 15	4 48	18 3	5 21
S 27	15 34	24 58	2 23	19 26	1 15	19 30	0 11	24 32	1 12	6 32	1 7	17 17	2 10	21 28	0 33	20 8	1 27	20 39	15 26	17 5	17 14	4 45	18 2	5 22
S 28	15 51	26 59	3 26	20 7	1 24	19 50	0 13	24 34	1 12	6 28	1 7	17 16	2 10	21 28	0 33	20 9	1 27	20 39	15 26	17 6	17 13	4 42	18 2	5 22
M29	16 9	27 21	4 16	20 45	1 32	20 9	0 16	24 36	1 12	6 23	1 8	17 15	2 10	21 28	0 33	20 9	1 27	20 39	15 27	17 6	17 12	4 39	18 1	5 23
T 30	16n26	26s12	4s51	21n21	1n39	20n27	0n18	24n38	1n12	6s19	1s 8	17s14	2n10	21s28	0s33	20n 9	1s27	20s39	15s27	17n 6	17n11	4s36	18s 1	5n23

Julian Day Number = 2113061.5, Delta T = 19m13s
Ecliptic obliquity = 23°33'40, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°49'17, Lahiri = 10°56'18 Julian Calendar 1 Apr. 1073 == Greg. Calendar 7 Apr. 1073

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1073
geocentric

MAY 1073 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 58 47	15♉59'46	6♒34	29♉39	0♊47	24♊49	16♓52	25°R53	26°R41	7♊ 1	13♓39	17♉21	17♉36	27♓41	23°R19	W 1
T 2	15 2 44	16°57'25	18°50	1♊35	2° 1	25°27	17° 2	25♏49	26♋41	7° 4	13°40	17°21	17°33	27°47	23♐16	T 2
F 3	15 6 41	17°55'02	0♓53	3°29	3°14	26° 4	17°13	25°45	26°40	7° 6	13°41	17°21	17°30	27°54	23°13	F 3
S 4	15 10 37	18°52'38	12°48	5°20	4°28	26°42	17°23	25°40	26°40	7° 8	13°42	17°21	17°27	28° 1	23°10	S 4
S 5	15 14 34	19°50'13	24°38	7° 8	5°41	27°20	17°33	25°36	26°40	7°10	13°42	17°21	17°24	28° 7	23° 7	S 5
M 6	15 18 30	20°47'46	6♈29	8°54	6°55	27°58	17°43	25°31	26°39	7°12	13°43	17°21	17°20	28°14	23° 4	M 6
T 7	15 22 27	21°45'19	18°23	10°37	8° 8	28°35	17°53	25°27	26°39	7°14	13°44	17°22	17°17	28°21	23° 1	T 7
W 8	15 26 23	22°42'51	0♉25	12°16	9°22	29°13	18° 3	25°23	26°38	7°16	13°45	17°22	17°14	28°27	22°58	W 8
T 9	15 30 20	23°40'22	12°35	13°53	10°35	29°51	18°13	25°18	26°37	7°19	13°45	17°R22	17°11	28°34	22°55	T 9
F 10	15 34 16	24°37'52	24°57	15°27	11°48	0♋28	18°22	25°14	26°37	7°21	13°46	17°22	17° 8	28°41	22°52	F 10
S 11	15 38 13	25°35'21	7♊32	16°58	13° 2	1° 6	18°32	25° 9	26°36	7°23	13°47	17°22	17° 4	28°48	22°48	S 11
S 12	15 42 10	26°32'49	20°21	18°25	14°15	1°44	18°41	25° 5	26°35	7°25	13°47	17°21	17° 1	28°54	22°45	S 12
M13	15 46 6	27°30'16	3♋23	19°50	15°28	2°22	18°51	25° 0	26°34	7°27	13°48	17°20	16°58	29° 1	22°41	M13
T 14	15 50 3	28°27'42	16°40	21°11	16°42	2°59	19° 0	24°56	26°33	7°30	13°48	17°18	16°55	29° 8	22°38	T 14
W15	15 53 59	29°25'06	0♌10	22°29	17°55	3°37	19° 9	24°51	26°33	7°32	13°49	17°17	16°52	29°14	22°35	W15
T 16	15 57 56	0♊22'29	13°54	23°44	19° 8	4°15	19°18	24°47	26°32	7°34	13°49	17°16	16°49	29°21	22°31	T 16
F 17	16 1 52	1°19'51	27°51	24°56	20°21	4°52	19°26	24°43	26°31	7°36	13°50	17°D16	16°45	29°28	22°27	F 17
S 18	16 5 49	2°17'12	12♍ 0	26° 5	21°35	5°30	19°35	24°38	26°30	7°39	13°50	17°16	16°42	29°34	22°24	S 18
S 19	16 9 46	3°14'32	26°19	27°10	22°48	6° 8	19°43	24°34	26°28	7°41	13°51	17°17	16°39	29°41	22°20	S 19
M20	16 13 42	4°11'50	10♎44	28°11	24° 1	6°45	19°52	24°30	26°27	7°43	13°51	17°18	16°36	29°48	22°17	M20
T 21	16 17 39	5° 9'08	25°14	29° 9	25°14	7°23	20° 0	24°25	26°26	7°45	13°52	17°19	16°33	29°54	22°13	T 21
W22	16 21 35	6° 6'24	9♏42	0♋ 3	26°27	8° 1	20° 8	24°21	26°25	7°48	13°52	17°20	16°30	0♈ 1	22° 9	W22
T 23	16 25 32	7° 3'40	24° 5	0°54	27°40	8°39	20°16	24°17	26°24	7°50	13°53	17°R20	16°26	0° 8	22° 5	T 23
F 24	16 29 28	8° 0'55	8♐16	1°41	28°53	9°16	20°24	24°12	26°22	7°52	13°53	17°19	16°23	0°15	22° 2	F 24
S 25	16 33 25	8°58'09	22°12	2°24	0♋ 6	9°54	20°32	24° 8	26°21	7°54	13°53	17°17	16°20	0°21	21°58	S 25
S 26	16 37 21	9°55'23	5♑49	3° 3	1°19	10°32	20°39	24° 4	26°20	7°57	13°54	17°14	16°17	0°28	21°54	S 26
M27	16 41 18	10°52'37	19° 6	3°37	2°32	11° 9	20°47	24° 0	26°18	7°59	13°54	17°10	16°14	0°35	21°50	M27
T 28	16 45 15	11°49'50	2♒ 1	4° 8	3°45	11°47	20°54	23°56	26°17	8° 1	13°54	17° 7	16°10	0°41	21°46	T 28
W29	16 49 11	12°47'03	14°36	4°34	4°58	12°25	21° 1	23°52	26°15	8° 3	13°54	17° 4	16° 7	0°48	21°42	W29
T 30	16 53 8	13°44'15	26°53	4°56	6°11	13° 2	21° 8	23°47	26°14	8° 5	13°55	17° 2	16° 4	0°55	21°38	T 30
F 31	16 57 4	14♊41'27	8♓58	5♋14	7♋24	13♋40	21♓15	23♏43	26♋12	8♊ 8	13♓55	17♉ 0	16♉ 1	1♈ 1	21♐34	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	16n43	23s45	5s12	21n54	1n46	20n45	0n21	24n40	1n12	6s15	1s 8	17s13	2n10	21s28	0s33	20n10	1s27	20s39	15s27	17n 6	17n10	4s32	18s 0	5n24	
T 2	16 59	20 16	5 17	22 25	1 53	21 3	0 23	24 41	1 12	6 12	1 8	17 12	2 10	21 28	0 33	20 10	1 27	20 39	15 28	17 6	17 9	4 29	18 0	5 24	
F 3	17 15	16 1	5 8	22 53	1 58	21 20	0 26	24 42	1 12	6 8	1 9	17 11	2 10	21 28	0 33	20 10	1 27	20 39	15 28	17 6	17 8	4 26	17 59	5 25	
S 4	17 31	11 12	4 47	23 19	2 3	21 36	0 28	24 43	1 12	6 4	1 9	17 10	2 10	21 28	0 33	20 11	1 27	20 39	15 28	17 6	17 7	4 23	17 58	5 25	
S 5	17 47	6 0	4 13	23 42	2 7	21 52	0 30	24 44	1 12	6 0	1 9	17 9	2 10	21 28	0 33	20 11	1 27	20 39	15 29	17 6	17 7	4 20	17 58	5 25	
M 6	18 3	0 36	3 28	24 3	2 11	22 7	0 33	24 45	1 12	5 56	1 9	17 8	2 10	21 29	0 33	20 12	1 27	20 39	15 29	17 6	17 6	4 16	17 57	5 26	
T 7	18 18	4n52	2 34	24 21	2 13	22 21	0 35	24 46	1 13	5 53	1 9	17 7	2 10	21 29	0 33	20 12	1 27	20 39	15 29	17 6	17 5	4 13	17 57	5 26	
W 8	18 33	10 14	1 33	24 36	2 15	22 35	0 38	24 46	1 13	5 49	1 10	17 6	2 10	21 29	0 33	20 12	1 27	20 39	15 30	17 6	17 4	4 10	17 56	5 27	
T 9	18 47	15 16	0 27	24 50	2 16	22 48	0 40	24 46	1 13	5 45	1 10	17 5	2 10	21 29	0 33	20 13	1 27	20 39	15 30	17 6	17 3	4 7	17 56	5 27	
F 10	19 1	19 47	0n42	25 1	2 16	23 1	0 42	24 46	1 13	5 42	1 10	17 4	2 10	21 29	0 33	20 13	1 27	20 39	15 30	17 6	17 2	4 4	17 55	5 27	
S 11	19 15	23 29	1 49	25 10	2 15	23 13	0 45	24 46	1 13	5 38	1 10	17 3	2 10	21 29	0 33	20 13	1 27	20 39	15 31	17 6	17 1	4 0	17 55	5 28	
S 12	19 29	26 5	2 53	25 17	2 14	23 24	0 47	24 46	1 13	5 35	1 11	17 2	2 9	21 29	0 33	20 14	1 27	20 40	15 31	17 6	17 0	3 57	17 54	5 28	
M13	19 42	27 19	3 48	25 22	2 12	23 35	0 49	24 45	1 13	5 31	1 11	17 1	2 9	21 30	0 33	20 14	1 27	20 40	15 32	17 6	16 59	3 54	17 53	5 29	
T 14	19 55	27 1	4 32	25 25	2 9	23 45	0 52	24 45	1 13	5 28	1 11	17 0	2 9	21 30	0 34	20 15	1 27	20 40	15 32	17 5	16 58	3 51	17 53	5 29	
W15	20 8	25 8	5 2	25 26	2 5	23 54	0 54	24 44	1 13	5 25	1 11	16 59	2 9	21 30	0 34	20 15	1 27	20 40	15 32	17 5	16 58	3 48	17 52	5 29	
T 16	20 20	21 46	5 16	25 25	2 0	24 3	0 56	24 43	1 13	5 21	1 12	16 58	2 9	21 30	0 34	20 15	1 27	20 40	15 33	17 4	16 57	3 44	17 52	5 30	
F 17	20 32	17 8	5 11	25 23	1 55	24 10	0 58	24 41	1 13	5 18	1 12	16 57	2 9	21 31	0 34	20 16	1 27	20 40	15 33	17 4	16 56	3 41	17 51	5 30	
S 18	20 43	11 31	4 47	25 19	1 49	24 18	1 0	24 40	1 13	5 15	1 12	16 56	2 9	21 31	0 34	20 16	1 27	20 40	15 33	17 4	16 55	3 38	17 51	5 30	
S 19	20 55	5 14	4 6	25 14	1 42	24 24	1 2	24 38	1 13	5 12	1 12	16 55	2 9	21 31	0 34	20 16	1 27	20 40	15 34	17 5	16 54	3 35	17 50	5 30	
M20	21 6	1s23	3 9	25 7	1 34	24 30	1 4	24 36	1 13	5 9	1 13	16 54	2 9	21 31	0 34	20 17	1 27	20 40	15 34	17 5	16 53	3 31	17 50	5 31	
T 21	21 16	7 58	1 59	24 59	1 26	24 35	1 6	24 34	1 13	5 6	1 13	16 53	2 9	21 31	0 34	20 17	1 27	20 41	15 34	17 5	16 52	3 28	17 49	5 31	
W22	21 26	14 8	0 42	24 50	1 17	24 39	1 8	24 32	1 13	5 3	1 13	16 53	2 9	21 32	0 34	20 18	1 27	20 41	15 35	17 5	16 51	3 25	17 49	5 31	
T 23	21 36	19 29	0s37	24 40	1 7	24 43	1 10	24 30	1 13	5 0	1 13	16 52	2 9	21 32	0 34	20 18	1 27	20 41	15 35	17 5	16 50	3 22	17 48	5 32	
F 24	21 45	23 39	1 53	24 29	0 56	24 45	1 12	24 27	1 13	4 57	1 14	16 51	2 8	21 32	0 34	20 18	1 27	20 41	15 36	17 5	16 49	3 18	17 48	5 32	
S 25	21 54	26 20	3 0	24 17	0 45	24 48	1 14	24 24	1 13	4 54	1 14	16 50	2 8	21 33	0 34	20 19	1 27	20 41	15 36	17 5	16 48	3 15	17 47	5 32	
S 26	22 3	27 22	3 56	24 4	0 33	24 49	1 16	24 21	1 13	4 51	1 14	16 49	2 8	21 33	0 34	20 19	1 27	20 42	15 36	17 4	16 48	3 12	17 47	5 32	
M27	22 11	26 46	4 37	23 51	0 20	24 50	1 17	24 18	1 13	4 49	1 14	16 48	2 8	21 33	0 34	20 19	1 27	20 42	15 37	17 3	16 47	3 9	17 46	5 33	
T 28	22 19	24 44	5 3	23 37	0 7	24 50	1 19	24 15	1 13	4 46	1 15	16 47	2 8	21 33	0 34	20 20	1 27	20 42	15 37	17 2	16 46	3 6	17 46	5 33	
W29	22 27	21 32	5 14	23 22	0s 7	24 49	1 21	24 12	1 13	4 44	1 15	16 46	2 8	21 34	0 34	20 20	1 27	20 42	15 37	17 1	16 45	3 2	17 46	5 33	
T 30	22 34	17 27	5 9	23 7	0 21	24 47	1 22	24 8	1 13	4 41	1 15	16 45	2 8	21 34	0 34	20 20	1 27	20 43	15 38	17 0	16 44	2 59	17 45	5 33	
F 31	22n41	12s44	4s51	22n51	0s36	24n45	1n24	24n 4	1n13	4s39	1s15	16s44	2n 8	21s34	0s34	20n21	1s27	20s43	15s38	17n 0	16n43	2s56	17s45	5n33	

Julian Day Number = 2113091.5, Delta T = 19m13s
Ecliptic obliquity = 23°33'40, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°49'21, Lahiri = 10°56'22 Julian Calendar 1 May 1073 == Greg. Calendar 7 May 1073

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1073
geocentric

JUNE 1073 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 1 1	15♊38'39	20♓53	5♋27	8♋37	14♋18	21♓21	23°R39	26°R11	8♊10	13♓55	17°D 0	15♉58	1♈ 8	21°R30	S 1
S 2	17 4 57	16°35'51	2♈44	5°35	9°50	14°55	21°28	23♏36	26♑ 9	8°12	13°55	17♉ 1	15°55	1°15	21♐26	S 2
M 3	17 8 54	17°33'03	14°36	5°R39	11° 3	15°33	21°34	23°32	26° 7	8°14	13°55	17° 3	15°51	1°21	21°23	M 3
T 4	17 12 50	18°30'14	26°33	5°39	12°16	16°11	21°40	23°28	26° 6	8°17	13°55	17° 5	15°48	1°28	21°19	T 4
W 5	17 16 47	19°27'26	8♉39	5°34	13°28	16°48	21°46	23°24	26° 4	8°19	13°55	17° 6	15°45	1°35	21°15	W 5
T 6	17 20 44	20°24'37	20°59	5°24	14°41	17°26	21°52	23°20	26° 2	8°21	13°55	17°R 6	15°42	1°41	21°11	T 6
F 7	17 24 40	21°21'49	3♊34	5°10	15°54	18° 4	21°58	23°17	26° 0	8°23	13°55	17° 5	15°39	1°48	21° 7	F 7
S 8	17 28 37	22°19'00	16°27	4°52	17° 7	18°41	22° 3	23°13	25°58	8°25	13°R56	17° 2	15°36	1°55	21° 3	S 8
S 9	17 32 33	23°16'12	29°37	4°30	18°20	19°19	22° 9	23°10	25°57	8°28	13°55	16°58	15°32	2° 1	20°59	S 9
M10	17 36 30	24°13'23	13♋ 4	4° 5	19°32	19°57	22°14	23° 6	25°55	8°30	13°55	16°52	15°29	2° 8	20°55	M10
T 11	17 40 26	25°10'34	26°46	3°36	20°45	20°35	22°19	23° 3	25°53	8°32	13°55	16°46	15°26	2°15	20°51	T 11
W12	17 44 23	26° 7'45	10♌39	3° 5	21°58	21°12	22°24	22°59	25°51	8°34	13°55	16°40	15°23	2°22	20°47	W12
T 13	17 48 19	27° 4'55	24°41	2°31	23°10	21°50	22°28	22°56	25°49	8°36	13°55	16°36	15°20	2°28	20°43	T 13
F 14	17 52 16	28° 2'05	8♍49	1°55	24°23	22°28	22°33	22°53	25°47	8°38	13°55	16°32	15°16	2°35	20°39	F 14
S 15	17 56 13	28°59'15	22°59	1°19	25°35	23° 5	22°37	22°50	25°45	8°41	13°55	16°D31	15°13	2°42	20°35	S 15
S 16	18 0 9	29°56'25	7♎10	0°41	26°48	23°43	22°41	22°47	25°43	8°43	13°55	16°31	15°10	2°48	20°31	S 16
M17	18 4 6	0♋53'34	21°21	0° 4	28° 1	24°21	22°45	22°43	25°41	8°45	13°55	16°32	15° 7	2°55	20°27	M17
T 18	18 8 2	1°50'43	5♏28	29♊28	29°13	24°59	22°49	22°41	25°38	8°47	13°54	16°33	15° 4	3° 2	20°23	T 18
W19	18 11 59	2°47'52	19°31	28°52	0♌25	25°36	22°53	22°38	25°36	8°49	13°54	16°R33	15° 1	3° 8	20°20	W19
T 20	18 15 55	3°45'02	3♐27	28°19	1°38	26°14	22°56	22°35	25°34	8°51	13°54	16°32	14°57	3°15	20°16	T 20
F 21	18 19 52	4°42'11	17°14	27°49	2°50	26°52	23° 0	22°32	25°32	8°53	13°54	16°29	14°54	3°22	20°12	F 21
S 22	18 23 49	5°39'20	0♑50	27°21	4° 3	27°30	23° 3	22°30	25°30	8°55	13°53	16°23	14°51	3°28	20° 8	S 22
S 23	18 27 45	6°36'30	14°11	26°57	5°15	28° 7	23° 5	22°27	25°28	8°57	13°53	16°16	14°48	3°35	20° 5	S 23
M24	18 31 42	7°33'41	27°16	26°37	6°27	28°45	23° 8	22°24	25°25	8°59	13°53	16° 8	14°45	3°42	20° 1	M24
T 25	18 35 38	8°30'51	10♒ 4	26°22	7°40	29°23	23°11	22°22	25°23	9° 1	13°52	15°59	14°42	3°48	19°57	T 25
W26	18 39 35	9°28'02	22°35	26°11	8°52	0♌ 1	23°13	22°20	25°21	9° 3	13°52	15°50	14°38	3°55	19°54	W26
T 27	18 43 31	10°25'14	4♓51	26° 6	10° 4	0°38	23°15	22°17	25°19	9° 5	13°51	15°43	14°35	4° 2	19°50	T 27
F 28	18 47 28	11°22'26	16°54	26°D 6	11°16	1°16	23°17	22°15	25°16	9° 7	13°51	15°38	14°32	4° 8	19°47	F 28
S 29	18 51 24	12°19'39	28°49	26°11	12°28	1°54	23°19	22°13	25°14	9° 9	13°51	15°35	14°29	4°15	19°43	S 29
S 30	18 55 21	13♋16'53	10♈39	26♊22	13♌40	2♌32	23♓20	22♏11	25♑12	9♊11	13♓50	15°D34	14♉26	4♈22	19♐40	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n47	7s37	4s21	22n35	0s52	24n42	1n25	24n 0	1n13	4s36	1s16	16s44	2n 7	21s35	0s34	20n21	1s27	20s43	15s39	17n 0	16n42	2s53	17s44	5n34
S 2	22 53	2 16	3 39	22 19	1 7	24 38	1 27	23 56	1 13	4 34	1 16	16 43	2 7	21 35	0 34	20 22	1 27	20 43	15 39	17 0	16 41	2 49	17 44	5 34
M 3	22 58	3n12	2 49	22 3	1 23	24 34	1 28	23 52	1 13	4 32	1 16	16 42	2 7	21 35	0 34	20 22	1 27	20 44	15 39	17 1	16 40	2 46	17 43	5 34
T 4	23 4	8 35	1 50	21 47	1 39	24 29	1 29	23 47	1 13	4 29	1 17	16 41	2 7	21 36	0 34	20 22	1 27	20 44	15 40	17 1	16 39	2 43	17 43	5 34
W 5	23 8	13 44	0 46	21 31	1 56	24 23	1 31	23 42	1 13	4 27	1 17	16 40	2 7	21 36	0 34	20 23	1 27	20 44	15 40	17 2	16 38	2 40	17 43	5 34
T 6	23 13	18 26	0n21	21 15	2 12	24 16	1 32	23 38	1 13	4 25	1 17	16 40	2 7	21 36	0 34	20 23	1 27	20 45	15 40	17 2	16 37	2 36	17 42	5 34
F 7	23 17	22 26	1 29	21 0	2 28	24 9	1 33	23 33	1 13	4 23	1 17	16 39	2 6	21 37	0 34	20 23	1 27	20 45	15 41	17 1	16 36	2 33	17 42	5 34
S 8	23 20	25 24	2 33	20 44	2 44	24 1	1 34	23 27	1 13	4 21	1 18	16 38	2 6	21 37	0 34	20 24	1 27	20 45	15 41	17 0	16 36	2 30	17 42	5 35
S 9	23 23	27 4	3 31	20 30	2 59	23 52	1 35	23 22	1 13	4 20	1 18	16 37	2 6	21 38	0 34	20 24	1 27	20 46	15 42	16 59	16 35	2 27	17 41	5 35
M10	23 26	27 12	4 18	20 16	3 14	23 43	1 36	23 16	1 13	4 18	1 18	16 37	2 6	21 38	0 34	20 24	1 27	20 46	15 42	16 58	16 34	2 23	17 41	5 35
T 11	23 28	25 40	4 51	20 2	3 28	23 33	1 37	23 11	1 13	4 16	1 19	16 36	2 6	21 38	0 34	20 25	1 27	20 46	15 42	16 56	16 33	2 20	17 40	5 35
W12	23 30	22 35	5 8	19 50	3 42	23 22	1 38	23 5	1 13	4 14	1 19	16 35	2 6	21 39	0 34	20 25	1 27	20 47	15 43	16 54	16 32	2 17	17 40	5 35
T 13	23 32	18 10	5 7	19 38	3 54	23 10	1 38	22 59	1 13	4 13	1 19	16 35	2 5	21 39	0 34	20 25	1 27	20 47	15 43	16 53	16 31	2 14	17 40	5 35
F 14	23 33	12 44	4 47	19 27	4 6	22 58	1 39	22 52	1 13	4 11	1 20	16 34	2 5	21 40	0 34	20 26	1 27	20 48	15 43	16 52	16 30	2 10	17 40	5 35
S 15	23 33	6 37	4 9	19 18	4 16	22 46	1 40	22 46	1 13	4 10	1 20	16 33	2 5	21 40	0 34	20 26	1 27	20 48	15 44	16 52	16 29	2 7	17 39	5 35
S 16	23 34	0 9	3 17	19 9	4 24	22 32	1 40	22 40	1 13	4 8	1 20	16 33	2 5	21 40	0 34	20 26	1 27	20 48	15 44	16 52	16 28	2 4	17 39	5 35
M17	23 33	6s19	2 12	19 2	4 31	22 18	1 40	22 33	1 13	4 7	1 20	16 32	2 5	21 41	0 34	20 27	1 27	20 49	15 44	16 52	16 27	2 1	17 39	5 35
T 18	23 33	12 28	1 0	18 56	4 37	22 4	1 41	22 26	1 13	4 6	1 21	16 32	2 5	21 41	0 34	20 27	1 27	20 49	15 45	16 52	16 26	1 57	17 38	5 35
W19	23 32	17 57	0s16	18 52	4 41	21 48	1 41	22 19	1 12	4 5	1 21	16 31	2 4	21 42	0 34	20 27	1 27	20 50	15 45	16 52	16 25	1 54	17 38	5 35
T 20	23 30	22 25	1 30	18 49	4 44	21 33	1 41	22 12	1 12	4 4	1 21	16 31	2 4	21 42	0 34	20 27	1 27	20 50	15 46	16 52	16 24	1 51	17 38	5 35
F 21	23 29	25 34	2 38	18 48	4 45	21 16	1 41	22 4	1 12	4 3	1 22	16 30	2 4	21 42	0 34	20 28	1 27	20 50	15 46	16 51	16 23	1 47	17 38	5 35
S 22	23 26	27 9	3 35	18 48	4 44	20 59	1 41	21 57	1 12	4 2	1 22	16 30	2 4	21 43	0 34	20 28	1 27	20 51	15 46	16 49	16 22	1 44	17 37	5 35
S 23	23 24	27 6	4 20	18 50	4 42	20 41	1 41	21 49	1 12	4 1	1 22	16 29	2 3	21 43	0 35	20 28	1 27	20 51	15 47	16 47	16 22	1 41	17 37	5 35
M24	23 21	25 33	4 50	18 53	4 38	20 23	1 41	21 41	1 12	4 0	1 23	16 29	2 3	21 44	0 35	20 29	1 27	20 52	15 47	16 45	16 21	1 38	17 37	5 35
T 25	23 17	22 42	5 4	18 58	4 33	20 5	1 41	21 33	1 12	3 59	1 23	16 28	2 3	21 44	0 35	20 29	1 27	20 52	15 47	16 42	16 20	1 34	17 37	5 35
W26	23 13	18 50	5 4	19 4	4 26	19 45	1 41	21 25	1 12	3 59	1 23	16 28	2 3	21 45	0 35	20 29	1 27	20 53	15 48	16 40	16 19	1 31	17 36	5 35
T 27	23 9	14 16	4 49	19 12	4 19	19 26	1 41	21 17	1 12	3 58	1 24	16 28	2 3	21 45	0 35	20 30	1 27	20 53	15 48	16 38	16 18	1 28	17 36	5 35
F 28	23 4	9 13	4 22	19 20	4 10	19 5	1 40	21 9	1 12	3 58	1 24	16 27	2 2	21 45	0 35	20 30	1 27	20 54	15 48	16 36	16 17	1 25	17 36	5 35
S 29	22 59	3 54	3 44	19 30	4 0	18 44	1 40	21 0	1 12	3 57	1 24	16 27	2 2	21 46	0 35	20 30	1 27	20 54	15 49	16 35	16 16	1 21	17 36	5 35
S 30	22n54	1n33	2s56	19n41	3s49	18n23	1n39	20n51	1n12	3s57	1s24	16s27	2n 2	21s46	0s35	20n30	1s27	20s55	15s49	16n35	16n15	1s18	17s36	5n35

Julian Day Number = 2113122.5, Delta T = 19m13s
Ecliptic obliquity = 23°33'40, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°49'25, Lahiri = 10°56'26 Julian Calendar 1 June 1073 == Greg. Calendar 7 June 1073

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1073
geocentric

JULY 1073 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 59 18	14♋14'08	22♈30	26♊38	14♌52	3♌10	23♓22	22°R 9	25°R 9	9♊13	13°R50	15♉34	14♉22	4♈28	19°R36	M 1
T 2	19 3 14	15°11'23	4♉28	27° 0	16° 5	3°47	23°23	22♏ 8	25♂ 7	9°15	13♓49	15°35	14°19	4°35	19♐33	T 2
W 3	19 7 11	16° 8'39	16°37	27°29	17°17	4°25	23°24	22° 6	25° 5	9°17	13°49	15°R35	14°16	4°42	19°29	W 3
T 4	19 11 7	17° 5'57	29° 1	28° 2	18°28	5° 3	23°25	22° 4	25° 2	9°19	13°48	15°34	14°13	4°48	19°26	T 4
F 5	19 15 4	18° 3'15	11♊46	28°42	19°40	5°41	23°25	22° 3	25° 0	9°20	13°47	15°32	14°10	4°55	19°23	F 5
S 6	19 19 0	19° 0'34	24°52	29°27	20°52	6°19	23°26	22° 1	24°57	9°22	13°47	15°26	14° 7	5° 2	19°20	S 6
S 7	19 22 57	19°57'54	8♋22	0♋18	22° 4	6°57	23°R26	22° 0	24°55	9°24	13°46	15°19	14° 3	5° 9	19°17	S 7
M 8	19 26 53	20°55'15	22°12	1°15	23°16	7°35	23°26	21°59	24°53	9°26	13°46	15° 9	14° 0	5°15	19°14	M 8
T 9	19 30 50	21°52'37	6♌20	2°17	24°28	8°12	23°26	21°57	24°50	9°28	13°45	14°59	13°57	5°22	19°11	T 9
W10	19 34 47	22°49'59	20°40	3°24	25°40	8°50	23°25	21°56	24°48	9°29	13°44	14°49	13°54	5°29	19° 8	W10
T 11	19 38 43	23°47'22	5♍ 7	4°37	26°51	9°28	23°25	21°55	24°45	9°31	13°44	14°40	13°51	5°35	19° 5	T 11
F 12	19 42 40	24°44'46	19°34	5°55	28° 3	10° 6	23°24	21°54	24°43	9°33	13°43	14°34	13°48	5°42	19° 2	F 12
S 13	19 46 36	25°42'11	3♎56	7°17	29°15	10°44	23°23	21°54	24°41	9°35	13°42	14°30	13°44	5°49	18°59	S 13
S 14	19 50 33	26°39'36	18°11	8°45	0♍26	11°22	23°22	21°53	24°38	9°36	13°41	14°28	13°41	5°55	18°57	S 14
M15	19 54 29	27°37'01	2♏16	10°17	1°38	12° 0	23°20	21°52	24°36	9°38	13°41	14°D28	13°38	6° 2	18°54	M15
T 16	19 58 26	28°34'28	16°10	11°53	2°49	12°38	23°19	21°52	24°34	9°39	13°40	14°R28	13°35	6° 9	18°51	T 16
W17	20 2 22	29°31'55	29°54	13°34	4° 1	13°16	23°17	21°51	24°31	9°41	13°39	14°27	13°32	6°15	18°49	W17
T 18	20 6 19	0♌29'23	13♐28	15°18	5°12	13°54	23°15	21°51	24°29	9°43	13°38	14°25	13°28	6°22	18°46	T 18
F 19	20 10 16	1°26'52	26°51	17° 5	6°23	14°32	23°13	21°51	24°26	9°44	13°37	14°19	13°25	6°29	18°44	F 19
S 20	20 14 12	2°24'22	10♑ 4	18°56	7°35	15°10	23°10	21°51	24°24	9°46	13°37	14°11	13°22	6°35	18°42	S 20
S 21	20 18 9	3°21'53	23° 5	20°49	8°46	15°48	23° 8	21°D51	24°22	9°47	13°36	14° 0	13°19	6°42	18°40	S 21
M22	20 22 5	4°19'26	5♒53	22°45	9°57	16°26	23° 5	21°51	24°19	9°49	13°35	13°48	13°16	6°49	18°37	M22
T 23	20 26 2	5°16'59	18°28	24°42	11° 8	17° 4	23° 2	21°51	24°17	9°50	13°34	13°35	13°13	6°55	18°35	T 23
W24	20 29 58	6°14'34	0♓50	26°42	12°19	17°42	22°59	21°51	24°15	9°52	13°33	13°23	13° 9	7° 2	18°33	W24
T 25	20 33 55	7°12'09	12°59	28°42	13°30	18°20	22°56	21°52	24°12	9°53	13°32	13°12	13° 6	7° 9	18°31	T 25
F 26	20 37 51	8° 9'47	24°59	0♌43	14°41	18°58	22°52	21°52	24°10	9°54	13°31	13° 3	13° 3	7°15	18°30	F 26
S 27	20 41 48	9° 7'26	6♈51	2°45	15°52	19°36	22°49	21°52	24° 8	9°56	13°30	12°58	13° 0	7°22	18°28	S 27
S 28	20 45 45	10° 5'06	18°39	4°47	17° 3	20°14	22°45	21°53	24° 5	9°57	13°29	12°54	12°57	7°29	18°26	S 28
M29	20 49 41	11° 2'48	0♉29	6°49	18°14	20°53	22°41	21°54	24° 3	9°58	13°28	12°53	12°54	7°35	18°25	M29
T 30	20 53 38	12° 0'32	12°25	8°51	19°25	21°31	22°36	21°55	24° 1	10° 0	13°27	12°53	12°50	7°42	18°23	T 30
W31	20 57 34	12♌58'18	24♉33	10♌52	20♍35	22♌ 9	22♓32	21♏56	23♂59	10♊ 1	13♓26	12♉53	12♉47	7♈49	18♐22	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n48	6n56	2s 0	19n53	3s38	18n 1	1n38	20n42	1n11	3s57	1s25	16s26	2n 2	21s47	0s35	20n31	1s27	20s55	15s49	16n35	16n14	1s15	17s36	5n34
T 2	22 41	12 9	0 59	20 6	3 25	17 39	1 38	20 33	1 11	3 57	1 25	16 26	2 2	21 47	0 35	20 31	1 27	20 56	15 50	16 35	16 13	1 11	17 35	5 34
W 3	22 35	16 58	0n 5	20 20	3 12	17 16	1 37	20 24	1 11	3 56	1 25	16 26	2 1	21 48	0 35	20 31	1 27	20 56	15 50	16 35	16 12	1 8	17 35	5 34
T 4	22 28	21 12	1 11	20 34	2 59	16 53	1 36	20 15	1 11	3 56	1 26	16 26	2 1	21 48	0 35	20 31	1 27	20 57	15 50	16 35	16 11	1 5	17 35	5 34
F 5	22 20	24 32	2 15	20 48	2 45	16 30	1 35	20 6	1 11	3 56	1 26	16 26	2 1	21 49	0 35	20 32	1 27	20 57	15 51	16 34	16 10	1 2	17 35	5 34
S 6	22 12	26 41	3 13	21 3	2 31	16 5	1 34	19 56	1 11	3 57	1 26	16 25	2 1	21 49	0 35	20 32	1 27	20 58	15 51	16 33	16 9	0 58	17 35	5 34
S 7	22 4	27 20	4 3	21 17	2 16	15 41	1 33	19 46	1 11	3 57	1 27	16 25	2 0	21 49	0 35	20 32	1 27	20 58	15 51	16 31	16 8	0 55	17 35	5 34
M 8	21 55	26 18	4 39	21 32	2 1	15 16	1 31	19 36	1 11	3 57	1 27	16 25	2 0	21 50	0 35	20 32	1 27	20 59	15 52	16 28	16 7	0 52	17 35	5 34
T 9	21 46	23 36	4 59	21 46	1 47	14 51	1 30	19 26	1 11	3 57	1 27	16 25	2 0	21 50	0 35	20 33	1 27	20 59	15 52	16 25	16 6	0 48	17 35	5 33
W10	21 37	19 25	5 1	21 59	1 32	14 25	1 29	19 16	1 10	3 58	1 28	16 25	2 0	21 51	0 35	20 33	1 27	21 0	15 52	16 22	16 5	0 45	17 35	5 33
T 11	21 27	14 5	4 44	22 12	1 17	13 59	1 27	19 6	1 10	3 58	1 28	16 25	1 59	21 51	0 35	20 33	1 27	21 0	15 53	16 19	16 4	0 42	17 35	5 33
F 12	21 17	7 57	4 8	22 23	1 3	13 33	1 26	18 56	1 10	3 59	1 28	16 25	1 59	21 52	0 35	20 33	1 27	21 1	15 53	16 17	16 4	0 39	17 35	5 33
S 13	21 7	1 27	3 17	22 33	0 48	13 6	1 24	18 45	1 10	4 0	1 29	16 25	1 59	21 52	0 35	20 34	1 27	21 2	15 53	16 16	16 3	0 35	17 35	5 33
S 14	20 56	5s 5	2 15	22 42	0 34	12 39	1 22	18 35	1 10	4 0	1 29	16 25	1 59	21 52	0 35	20 34	1 27	21 2	15 53	16 16	16 2	0 32	17 35	5 32
M15	20 45	11 19	1 4	22 49	0 20	12 12	1 21	18 24	1 10	4 1	1 29	16 25	1 58	21 53	0 35	20 34	1 27	21 3	15 54	16 16	16 1	0 29	17 35	5 32
T 16	20 33	16 54	0s 9	22 54	0 7	11 45	1 19	18 13	1 10	4 2	1 29	16 25	1 58	21 53	0 35	20 34	1 27	21 3	15 54	16 16	16 0	0 25	17 35	5 32
W17	20 21	21 33	1 21	22 57	0n 5	11 17	1 17	18 2	1 10	4 3	1 30	16 25	1 58	21 54	0 35	20 34	1 27	21 4	15 54	16 15	15 59	0 22	17 35	5 32
T 18	20 9	24 58	2 27	22 58	0 18	10 48	1 15	17 51	1 9	4 4	1 30	16 26	1 58	21 54	0 35	20 35	1 28	21 4	15 55	16 15	15 58	0 19	17 35	5 31
F 19	19 56	26 56	3 24	22 57	0 29	10 20	1 13	17 40	1 9	4 5	1 30	16 26	1 58	21 55	0 35	20 35	1 28	21 5	15 55	16 13	15 57	0 16	17 35	5 31
S 20	19 43	27 19	4 9	22 52	0 40	9 51	1 10	17 28	1 9	4 7	1 31	16 26	1 57	21 55	0 35	20 35	1 28	21 6	15 55	16 11	15 56	0 12	17 35	5 31
S 21	19 30	26 11	4 41	22 46	0 50	9 22	1 8	17 17	1 9	4 8	1 31	16 26	1 57	21 55	0 35	20 35	1 28	21 6	15 55	16 7	15 55	0 9	17 35	5 31
M22	19 17	23 42	4 57	22 36	0 59	8 53	1 6	17 5	1 9	4 9	1 31	16 26	1 57	21 56	0 35	20 35	1 28	21 7	15 56	16 4	15 54	0 6	17 35	5 30
T 23	19 3	20 6	4 59	22 24	1 8	8 24	1 3	16 53	1 9	4 11	1 32	16 27	1 57	21 56	0 35	20 36	1 28	21 7	15 56	16 0	15 53	0 2	17 35	5 30
W24	18 48	15 42	4 47	22 9	1 15	7 54	1 1	16 41	1 8	4 12	1 32	16 27	1 56	21 57	0 35	20 36	1 28	21 8	15 56	15 56	15 52	0n 1	17 35	5 30
T 25	18 34	10 44	4 21	21 52	1 22	7 25	0 58	16 30	1 8	4 14	1 32	16 27	1 56	21 57	0 35	20 36	1 28	21 8	15 56	15 53	15 51	0 4	17 35	5 30
F 26	18 19	5 26	3 45	21 32	1 28	6 55	0 56	16 17	1 8	4 15	1 32	16 28	1 56	21 58	0 35	20 36	1 28	21 9	15 57	15 50	15 50	0 8	17 35	5 29
S 27	18 4	0n 0	2 58	21 9	1 33	6 25	0 53	16 5	1 8	4 17	1 33	16 28	1 56	21 58	0 35	20 36	1 28	21 10	15 57	15 48	15 49	0 11	17 36	5 29
S 28	17 48	5 26	2 4	20 44	1 37	5 54	0 50	15 53	1 8	4 19	1 33	16 28	1 55	21 58	0 35	20 36	1 28	21 10	15 57	15 47	15 48	0 14	17 36	5 29
M29	17 33	10 41	1 5	20 17	1 40	5 24	0 47	15 41	1 8	4 21	1 33	16 29	1 55	21 59	0 35	20 37	1 28	21 11	15 57	15 47	15 47	0 17	17 36	5 28
T 30	17 17	15 36	0 2	19 48	1 43	4 53	0 44	15 28	1 7	4 23	1 33	16 29	1 55	21 59	0 35	20 37	1 28	21 11	15 57	15 47	15 46	0 21	17 36	5 28
W31	17n 0	20n 0	1n 1	19n17	1n45	4n23	0n41	15n16	1n 7	4s25	1s34	16s30	1n55	22s 0	0s35	20n37	1s28	21s12	15s58	15n47	15n45	0n24	17s36	5n28

Julian Day Number = 2113152.5, Delta T = 19m13s
Ecliptic obliquity = 23°33'40, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°49'30, Lahiri = 10°56'30 Julian Calendar 1 July 1073 == Greg. Calendar 7 July 1073

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1073
geocentric

AUGUST 1073 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 1 31	13♌56'05	6♊58	12♌52	21♍46	22♌47	22°R27	21♏57	23°R56	10♊ 2	13°R25	12°R51	12♉44	7♈55	18°R20	T 1
F 2	21 5 27	14°53'54	19°45	14°52	22°57	23°25	22♓23	21°58	23♑54	10° 3	13♓24	12♉48	12°41	8° 2	18♐19	F 2
S 3	21 9 24	15°51'45	2♋57	16°51	24° 7	24° 3	22°18	21°59	23°52	10° 4	13°23	12°42	12°38	8° 9	18°18	S 3
S 4	21 13 20	16°49'37	16°36	18°48	25°18	24°42	22°13	22° 0	23°50	10° 5	13°22	12°34	12°34	8°15	18°17	S 4
M 5	21 17 17	17°47'32	0♌42	20°45	26°28	25°20	22° 8	22° 2	23°48	10° 7	13°21	12°24	12°31	8°22	18°16	M 5
T 6	21 21 14	18°45'27	15°10	22°41	27°38	25°58	22° 2	22° 3	23°46	10° 8	13°20	12°12	12°28	8°29	18°15	T 6
W 7	21 25 10	19°43'25	29°54	24°35	28°49	26°37	21°57	22° 5	23°44	10° 9	13°19	12° 1	12°25	8°35	18°14	W 7
T 8	21 29 7	20°41'24	14♍45	26°28	29°59	27°15	21°51	22° 7	23°42	10°10	13°18	11°51	12°22	8°42	18°13	T 8
F 9	21 33 3	21°39'24	29°35	28°20	1♎ 9	27°53	21°45	22° 8	23°39	10°11	13°17	11°44	12°19	8°49	18°12	F 9
S 10	21 37 0	22°37'26	14♎17	0♍10	2°19	28°31	21°39	22°10	23°37	10°12	13°16	11°39	12°15	8°55	18°12	S 10
S 11	21 40 56	23°35'29	28°45	2° 0	3°29	29°10	21°33	22°12	23°35	10°12	13°14	11°37	12°12	9° 2	18°11	S 11
M12	21 44 53	24°33'34	12♏56	3°48	4°39	29°48	21°27	22°14	23°34	10°13	13°13	11°D37	12° 9	9° 9	18°11	M12
T 13	21 48 49	25°31'40	26°50	5°34	5°49	0♍27	21°20	22°16	23°32	10°14	13°12	11°R37	12° 6	9°15	18°10	T 13
W14	21 52 46	26°29'48	10♐25	7°20	6°59	1° 5	21°14	22°19	23°30	10°15	13°11	11°36	12° 3	9°22	18°10	W14
T 15	21 56 43	27°27'57	23°46	9° 4	8° 8	1°43	21° 7	22°21	23°28	10°16	13°10	11°34	11°59	9°29	18°10	T 15
F 16	22 0 39	28°26'07	6♑51	10°47	9°18	2°22	21° 0	22°24	23°26	10°17	13° 9	11°29	11°56	9°35	18°10	F 16
S 17	22 4 36	29°24'19	19°45	12°29	10°28	3° 0	20°54	22°26	23°24	10°17	13° 8	11°21	11°53	9°42	18°D10	S 17
S 18	22 8 32	0♍22'33	2♒26	14°10	11°37	3°39	20°47	22°29	23°22	10°18	13° 6	11°11	11°50	9°49	18°10	S 18
M19	22 12 29	1°20'49	14°56	15°49	12°46	4°17	20°39	22°31	23°21	10°19	13° 5	10°59	11°47	9°55	18°10	M19
T 20	22 16 25	2°19'06	27°17	17°28	13°56	4°56	20°32	22°34	23°19	10°19	13° 4	10°47	11°44	10° 2	18°10	T 20
W21	22 20 22	3°17'25	9♓27	19° 5	15° 5	5°34	20°25	22°37	23°17	10°20	13° 3	10°35	11°40	10° 9	18°10	W21
T 22	22 24 18	4°15'46	21°28	20°41	16°14	6°13	20°18	22°40	23°16	10°20	13° 2	10°24	11°37	10°15	18°11	T 22
F 23	22 28 15	5°14'08	3♈23	22°16	17°23	6°51	20°10	22°43	23°14	10°21	13° 0	10°16	11°34	10°22	18°11	F 23
S 24	22 32 12	6°12'33	15°12	23°50	18°32	7°30	20° 3	22°46	23°13	10°21	12°59	10°10	11°31	10°29	18°12	S 24
S 25	22 36 8	7°11'00	26°59	25°23	19°40	8° 9	19°55	22°49	23°11	10°22	12°58	10° 7	11°28	10°35	18°13	S 25
M26	22 40 5	8° 9'29	8♉47	26°54	20°49	8°47	19°47	22°53	23°10	10°22	12°57	10°D 6	11°25	10°42	18°13	M26
T 27	22 44 1	9° 8'00	20°42	28°25	21°58	9°26	19°40	22°56	23° 8	10°23	12°56	10° 7	11°21	10°49	18°14	T 27
W28	22 47 58	10° 6'34	2♊48	29°54	23° 6	10° 4	19°32	23° 0	23° 7	10°23	12°54	10° 8	11°18	10°55	18°15	W28
T 29	22 51 54	11° 5'10	15°11	1♎23	24°15	10°43	19°24	23° 3	23° 5	10°23	12°53	10°R 8	11°15	11° 2	18°16	T 29
F 30	22 55 51	12° 3'48	27°55	2°50	25°23	11°22	19°16	23° 7	23° 4	10°24	12°52	10° 6	11°12	11° 9	18°17	F 30
S 31	22 59 47	13♍ 2'28	11♋ 5	4♎16	26♎31	12♍ 1	19♓ 8	23♏11	23♑ 3	10♊24	12♓51	10♉ 3	11♉ 9	11♈15	18♐19	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n44	23n37	2n 4	18n44	1n46	3n52	0n38	15n 3	1n 7	4s27	1s34	16s30	1n54	22s 0	0s35	20n37	1s28	21s13	15s58	15n47	15n44	0n27	17s36	5n28
F 2	16 27	26 11	3 2	18 9	1 46	3 21	0 35	14 50	1 7	4 29	1 34	16 31	1 54	22 0	0 35	20 37	1 28	21 13	15 58	15 46	15 43	0 31	17 37	5 27
S 3	16 10	27 24	3 52	17 33	1 46	2 50	0 32	14 37	1 7	4 31	1 34	16 31	1 54	22 1	0 35	20 37	1 28	21 14	15 58	15 44	15 42	0 34	17 37	5 27
S 4	15 52	27 0	4 31	16 56	1 45	2 19	0 29	14 24	1 7	4 33	1 35	16 32	1 54	22 1	0 35	20 37	1 28	21 14	15 58	15 41	15 41	0 37	17 37	5 27
M 5	15 35	24 53	4 54	16 17	1 44	1 48	0 25	14 11	1 6	4 36	1 35	16 33	1 53	22 1	0 35	20 38	1 28	21 15	15 59	15 38	15 40	0 41	17 37	5 26
T 6	15 17	21 9	5 0	15 38	1 42	1 17	0 22	13 58	1 6	4 38	1 35	16 33	1 53	22 2	0 35	20 38	1 28	21 15	15 59	15 35	15 39	0 44	17 38	5 26
W 7	14 59	16 2	4 46	14 57	1 39	0 46	0 19	13 45	1 6	4 40	1 35	16 34	1 53	22 2	0 35	20 38	1 28	21 16	15 59	15 31	15 38	0 47	17 38	5 26
T 8	14 40	9 55	4 13	14 16	1 36	0 14	0 15	13 31	1 6	4 43	1 36	16 34	1 53	22 2	0 35	20 38	1 28	21 17	15 59	15 28	15 38	0 51	17 38	5 25
F 9	14 21	3 16	3 23	13 34	1 33	0s17	0 12	13 18	1 6	4 45	1 36	16 35	1 52	22 3	0 35	20 38	1 28	21 17	15 59	15 26	15 37	0 54	17 38	5 25
S 10	14 3	3s31	2 19	12 51	1 29	0 48	0 8	13 4	1 5	4 48	1 36	16 36	1 52	22 3	0 35	20 38	1 28	21 18	15 59	15 24	15 36	0 57	17 39	5 25
S 11	13 43	10 2	1 8	12 8	1 25	1 20	0 4	12 50	1 5	4 50	1 36	16 37	1 52	22 3	0 35	20 38	1 28	21 18	16 0	15 24	15 35	1 0	17 39	5 24
M12	13 24	15 55	0s 7	11 24	1 20	1 51	0 1	12 37	1 5	4 53	1 37	16 37	1 52	22 4	0 35	20 38	1 28	21 19	16 0	15 24	15 34	1 4	17 39	5 24
T 13	13 5	20 50	1 20	10 40	1 15	2 22	0s 3	12 23	1 5	4 56	1 37	16 38	1 51	22 4	0 35	20 38	1 28	21 20	16 0	15 24	15 33	1 7	17 40	5 24
W14	12 45	24 32	2 26	9 56	1 10	2 53	0 7	12 9	1 5	4 59	1 37	16 39	1 51	22 4	0 35	20 38	1 29	21 20	16 0	15 24	15 32	1 10	17 40	5 23
T 15	12 25	26 48	3 24	9 12	1 4	3 25	0 11	11 55	1 4	5 1	1 37	16 40	1 51	22 5	0 35	20 38	1 29	21 21	16 0	15 23	15 31	1 14	17 40	5 23
F 16	12 5	27 32	4 9	8 27	0 58	3 56	0 15	11 41	1 4	5 4	1 37	16 41	1 51	22 5	0 35	20 39	1 29	21 21	16 0	15 21	15 30	1 17	17 41	5 22
S 17	11 44	26 44	4 41	7 42	0 52	4 27	0 18	11 27	1 4	5 7	1 37	16 41	1 51	22 5	0 35	20 39	1 29	21 22	16 0	15 19	15 29	1 20	17 41	5 22
S 18	11 24	24 33	4 58	6 58	0 45	4 58	0 22	11 13	1 4	5 10	1 38	16 42	1 50	22 6	0 35	20 39	1 29	21 22	16 0	15 16	15 28	1 24	17 41	5 22
M19	11 3	21 13	5 1	6 13	0 39	5 29	0 26	10 58	1 4	5 13	1 38	16 43	1 50	22 6	0 35	20 39	1 29	21 23	16 1	15 12	15 27	1 27	17 42	5 21
T 20	10 42	17 0	4 50	5 28	0 32	5 59	0 30	10 44	1 3	5 16	1 38	16 44	1 50	22 6	0 35	20 39	1 29	21 23	16 1	15 8	15 26	1 30	17 42	5 21
W21	10 21	12 9	4 25	4 44	0 25	6 30	0 35	10 30	1 3	5 19	1 38	16 45	1 50	22 6	0 35	20 39	1 29	21 24	16 1	15 4	15 25	1 34	17 42	5 21
T 22	10 0	6 54	3 49	3 59	0 18	7 1	0 39	10 15	1 3	5 22	1 38	16 46	1 49	22 7	0 35	20 39	1 29	21 25	16 1	15 1	15 24	1 37	17 43	5 20
F 23	9 38	1 27	3 3	3 15	0 11	7 31	0 43	10 0	1 3	5 25	1 38	16 47	1 49	22 7	0 35	20 39	1 29	21 25	16 1	14 58	15 23	1 40	17 43	5 20
S 24	9 17	4n 2	2 9	2 31	0 4	8 1	0 47	9 46	1 2	5 28	1 38	16 48	1 49	22 7	0 35	20 39	1 29	21 26	16 1	14 57	15 22	1 44	17 44	5 20
S 25	8 55	9 22	1 10	1 47	0s 4	8 31	0 51	9 31	1 2	5 31	1 39	16 49	1 49	22 8	0 34	20 39	1 29	21 26	16 1	14 56	15 21	1 47	17 44	5 19
M26	8 33	14 24	0 7	1 4	0 11	9 1	0 55	9 16	1 2	5 35	1 39	16 50	1 48	22 8	0 34	20 39	1 29	21 27	16 1	14 55	15 20	1 50	17 45	5 19
T 27	8 11	18 56	0n56	0 21	0 19	9 31	1 0	9 1	1 2	5 38	1 39	16 51	1 48	22 8	0 34	20 39	1 29	21 27	16 1	14 55	15 19	1 53	17 45	5 18
W28	7 49	22 46	1 59	0s22	0 27	10 1	1 4	8 47	1 1	5 41	1 39	16 52	1 48	22 8	0 34	20 39	1 29	21 28	16 1	14 56	15 18	1 57	17 45	5 18
T 29	7 27	25 39	2 56	1 5	0 35	10 30	1 8	8 32	1 1	5 44	1 39	16 53	1 48	22 8	0 34	20 39	1 29	21 28	16 1	14 56	15 17	2 0	17 46	5 18
F 30	7 4	27 20	3 47	1 47	0 42	10 59	1 12	8 17	1 1	5 47	1 39	16 55	1 48	22 9	0 34	20 39	1 29	21 29	16 1	14 55	15 16	2 3	17 46	5 17
S 31	6n42	27n33	4n28	2s28	0s50	11s28	1s17	8n 1	1n 1	5s50	1s39	16s56	1n47	22s 9	0s34	20n39	1s29	21s29	16s 1	14n54	15n15	2n 7	17s47	5n17

Julian Day Number = 2113183.5, Delta T = 19m12s
Ecliptic obliquity = 23°33'40, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°49'34, Lahiri = 10°56'34 Julian Calendar 1 Aug. 1073 == Greg. Calendar 7 Aug. 1073

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1073
geocentric

SEPTEMBER 1073 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 3 44	14♍ 1'11	24♋43	5♎41	27♎39	12♍39	19°R 0	23♏14	23°R 2	10♊24	12°R50	9°R57	11♉ 5	11♈22	18♐20	S 1
M 2	23 7 41	14°59'56	8♌51	7° 5	28°47	13°18	18♓52	23°18	23♑ 0	10°24	12♓48	9♉50	11° 2	11°29	18°21	M 2
T 3	23 11 37	15°58'43	23°25	8°28	29°55	13°57	18°44	23°22	22°59	10°25	12°47	9°42	10°59	11°35	18°23	T 3
W 4	23 15 34	16°57'32	8♍20	9°49	1♏ 3	14°36	18°36	23°26	22°58	10°25	12°46	9°34	10°56	11°42	18°24	W 4
T 5	23 19 30	17°56'23	23°28	11° 9	2°10	15°15	18°28	23°30	22°57	10°25	12°45	9°26	10°53	11°49	18°26	T 5
F 6	23 23 27	18°55'16	8♎37	12°28	3°18	15°54	18°20	23°35	22°56	10°25	12°43	9°21	10°50	11°55	18°28	F 6
S 7	23 27 23	19°54'11	23°39	13°46	4°25	16°33	18°12	23°39	22°55	10°R25	12°42	9°18	10°46	12° 2	18°29	S 7
S 8	23 31 20	20°53'08	8♏25	15° 2	5°32	17°11	18° 4	23°43	22°54	10°25	12°41	9°D17	10°43	12° 9	18°31	S 8
M 9	23 35 16	21°52'07	22°51	16°16	6°39	17°50	17°56	23°48	22°53	10°25	12°40	9°17	10°40	12°15	18°33	M 9
T 10	23 39 13	22°51'07	6♐53	17°29	7°46	18°29	17°48	23°52	22°52	10°25	12°39	9°18	10°37	12°22	18°35	T 10
W11	23 43 10	23°50'10	20°32	18°41	8°53	19° 8	17°40	23°57	22°52	10°25	12°37	9°R19	10°34	12°29	18°37	W11
T 12	23 47 6	24°49'14	3♑50	19°50	9°59	19°47	17°32	24° 1	22°51	10°25	12°36	9°19	10°31	12°35	18°40	T 12
F 13	23 51 3	25°48'20	16°47	20°58	11° 6	20°26	17°24	24° 6	22°50	10°24	12°35	9°17	10°27	12°42	18°42	F 13
S 14	23 54 59	26°47'28	29°29	22° 4	12°12	21° 6	17°16	24°11	22°50	10°24	12°34	9°13	10°24	12°49	18°44	S 14
S 15	23 58 56	27°46'38	11♒57	23° 7	13°18	21°45	17° 9	24°16	22°49	10°24	12°33	9° 7	10°21	12°55	18°47	S 15
M16	0 2 52	28°45'49	24°13	24° 8	14°24	22°24	17° 1	24°21	22°48	10°24	12°32	9° 0	10°18	13° 2	18°49	M16
T 17	0 6 49	29°45'03	6♓20	25° 7	15°30	23° 3	16°53	24°26	22°48	10°23	12°30	8°52	10°15	13° 9	18°52	T 17
W18	0 10 45	0♎44'18	18°20	26° 2	16°35	23°42	16°46	24°31	22°47	10°23	12°29	8°45	10°11	13°15	18°55	W18
T 19	0 14 42	1°43'36	0♈14	26°55	17°41	24°21	16°38	24°36	22°47	10°23	12°28	8°39	10° 8	13°22	18°57	T 19
F 20	0 18 38	2°42'55	12° 4	27°44	18°46	25° 0	16°31	24°41	22°47	10°22	12°27	8°34	10° 5	13°29	19° 0	F 20
S 21	0 22 35	3°42'17	23°52	28°29	19°51	25°40	16°23	24°46	22°46	10°22	12°26	8°31	10° 2	13°35	19° 3	S 21
S 22	0 26 32	4°41'40	5♉40	29°11	20°55	26°19	16°16	24°51	22°46	10°21	12°25	8°D30	9°59	13°42	19° 6	S 22
M23	0 30 28	5°41'06	17°32	29°48	22° 0	26°58	16° 9	24°57	22°46	10°21	12°24	8°31	9°56	13°49	19° 9	M23
T 24	0 34 25	6°40'35	29°29	0♏20	23° 4	27°38	16° 2	25° 2	22°46	10°20	12°23	8°32	9°52	13°55	19°13	T 24
W25	0 38 21	7°40'05	11♊37	0°47	24° 8	28°17	15°55	25° 8	22°46	10°20	12°22	8°34	9°49	14° 2	19°16	W25
T 26	0 42 18	8°39'38	23°59	1° 8	25°12	28°56	15°48	25°13	22°D46	10°19	12°20	8°35	9°46	14° 9	19°19	T 26
F 27	0 46 14	9°39'14	6♋40	1°22	26°16	29°36	15°42	25°19	22°46	10°18	12°19	8°R36	9°43	14°15	19°22	F 27
S 28	0 50 11	10°38'52	19°45	1°30	27°19	0♎15	15°35	25°25	22°46	10°18	12°18	8°36	9°40	14°22	19°26	S 28
S 29	0 54 7	11°38'32	3♌15	1°R30	28°22	0°55	15°29	25°30	22°46	10°17	12°17	8°34	9°36	14°29	19°29	S 29
M30	0 58 4	12♎38'14	17♌14	1♏23	29♏25	1♎34	15♓22	25♏36	22♑46	10♊16	12♓16	8♉32	9♉33	14♈35	19♐33	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n19	26n 8	4n55	3s 9	0s58	11s57	1s21	7n46	1n 0	5s54	1s39	16s57	1n47	22s 9	0s34	20n39	1s29	21s30	16s 1	14n53	15n14	2n10	17s47	5n17
M 2	5 56	23 3	5 6	3 50	1 6	12 25	1 25	7 31	1 0	5 57	1 39	16 58	1 47	22 9	0 34	20 39	1 29	21 30	16 1	14 50	15 13	2 13	17 48	5 16
T 3	5 33	18 27	4 57	4 30	1 14	12 54	1 30	7 16	1 0	6 0	1 39	16 59	1 47	22 9	0 34	20 39	1 29	21 31	16 1	14 48	15 12	2 17	17 48	5 16
W 4	5 11	12 38	4 29	5 9	1 21	13 22	1 34	7 1	1 0	6 3	1 39	17 0	1 47	22 10	0 34	20 39	1 29	21 31	16 1	14 45	15 11	2 20	17 49	5 16
T 5	4 47	5 59	3 41	5 48	1 29	13 49	1 38	6 45	0 59	6 6	1 39	17 2	1 46	22 10	0 34	20 39	1 29	21 32	16 1	14 43	15 10	2 23	17 49	5 15
F 6	4 24	1s 1	2 37	6 26	1 37	14 17	1 42	6 30	0 59	6 10	1 39	17 3	1 46	22 10	0 34	20 39	1 30	21 32	16 1	14 41	15 9	2 27	17 50	5 15
S 7	4 1	7 56	1 23	7 3	1 44	14 44	1 47	6 14	0 59	6 13	1 39	17 4	1 46	22 10	0 34	20 39	1 30	21 33	16 1	14 40	15 8	2 30	17 50	5 14
S 8	3 38	14 19	0 5	7 40	1 52	15 11	1 51	5 59	0 58	6 16	1 39	17 5	1 46	22 10	0 34	20 39	1 30	21 33	16 1	14 40	15 7	2 33	17 51	5 14
M 9	3 14	19 45	1s13	8 16	1 59	15 37	1 55	5 43	0 58	6 19	1 40	17 7	1 46	22 10	0 34	20 39	1 30	21 33	16 1	14 40	15 6	2 37	17 51	5 14
T 10	2 51	23 56	2 24	8 51	2 6	16 3	2 0	5 28	0 58	6 22	1 39	17 8	1 45	22 10	0 34	20 39	1 30	21 34	16 1	14 40	15 5	2 40	17 52	5 13
W11	2 28	26 37	3 24	9 25	2 13	16 29	2 4	5 12	0 58	6 25	1 39	17 9	1 45	22 10	0 34	20 39	1 30	21 34	16 1	14 40	15 4	2 43	17 52	5 13
T 12	2 4	27 43	4 12	9 58	2 20	16 54	2 8	4 56	0 57	6 28	1 39	17 11	1 45	22 11	0 34	20 39	1 30	21 35	16 1	14 40	15 3	2 47	17 53	5 13
F 13	1 41	27 14	4 46	10 29	2 27	17 20	2 12	4 41	0 57	6 32	1 39	17 12	1 45	22 11	0 34	20 38	1 30	21 35	16 1	14 40	15 2	2 50	17 53	5 12
S 14	1 17	25 20	5 5	11 0	2 33	17 44	2 16	4 25	0 57	6 35	1 39	17 13	1 45	22 11	0 34	20 38	1 30	21 35	16 1	14 38	15 1	2 53	17 54	5 12
S 15	0 53	22 14	5 9	11 30	2 40	18 9	2 21	4 9	0 56	6 38	1 39	17 15	1 44	22 11	0 34	20 38	1 30	21 36	16 1	14 36	15 0	2 57	17 55	5 12
M16	0 30	18 12	4 59	11 58	2 46	18 32	2 25	3 53	0 56	6 41	1 39	17 16	1 44	22 11	0 34	20 38	1 30	21 36	16 1	14 34	14 59	3 0	17 55	5 11
T 17	0 6	13 29	4 35	12 25	2 51	18 56	2 29	3 38	0 56	6 44	1 39	17 18	1 44	22 11	0 34	20 38	1 30	21 37	16 1	14 32	14 58	3 3	17 56	5 11
W18	0s18	8 18	3 59	12 50	2 56	19 19	2 33	3 22	0 56	6 46	1 39	17 19	1 44	22 11	0 34	20 38	1 30	21 37	16 0	14 29	14 57	3 6	17 56	5 11
T 19	0 41	2 52	3 13	13 14	3 1	19 42	2 37	3 6	0 55	6 49	1 39	17 20	1 44	22 11	0 34	20 38	1 30	21 37	16 0	14 27	14 56	3 10	17 57	5 10
F 20	1 5	2n40	2 19	13 36	3 6	20 4	2 41	2 50	0 55	6 52	1 39	17 22	1 43	22 11	0 34	20 38	1 30	21 38	16 0	14 26	14 55	3 13	17 57	5 10
S 21	1 29	8 5	1 19	13 56	3 9	20 26	2 45	2 34	0 55	6 55	1 39	17 23	1 43	22 11	0 34	20 38	1 30	21 38	16 0	14 25	14 54	3 16	17 58	5 10
S 22	1 52	13 14	0 15	14 14	3 13	20 47	2 48	2 18	0 54	6 58	1 39	17 25	1 43	22 11	0 34	20 38	1 30	21 38	16 0	14 25	14 53	3 20	17 58	5 9
M23	2 16	17 56	0n49	14 30	3 15	21 8	2 52	2 2	0 54	7 0	1 39	17 26	1 43	22 11	0 34	20 38	1 30	21 39	16 0	14 25	14 52	3 23	17 59	5 9
T 24	2 40	21 58	1 53	14 43	3 17	21 28	2 56	1 46	0 54	7 3	1 39	17 28	1 43	22 11	0 34	20 37	1 30	21 39	16 0	14 25	14 51	3 26	18 0	5 9
W25	3 3	25 8	2 52	14 54	3 18	21 48	3 0	1 30	0 53	7 6	1 39	17 29	1 43	22 11	0 34	20 37	1 30	21 39	16 0	14 26	14 50	3 30	18 0	5 8
T 26	3 27	27 9	3 44	15 1	3 19	22 7	3 3	1 14	0 53	7 8	1 38	17 31	1 42	22 11	0 34	20 37	1 30	21 40	15 59	14 26	14 49	3 33	18 1	5 8
F 27	3 51	27 50	4 27	15 6	3 18	22 26	3 7	0 58	0 53	7 11	1 38	17 32	1 42	22 11	0 34	20 37	1 30	21 40	15 59	14 27	14 48	3 36	18 1	5 8
S 28	4 14	27 0	4 58	15 7	3 16	22 45	3 10	0 42	0 52	7 13	1 38	17 34	1 42	22 11	0 34	20 37	1 30	21 40	15 59	14 26	14 47	3 40	18 2	5 7
S 29	4 38	24 36	5 13	15 4	3 13	23 3	3 14	0 26	0 52	7 15	1 38	17 35	1 42	22 11	0 34	20 37	1 30	21 40	15 59	14 26	14 46	3 43	18 3	5 7
M30	5s 1	20n41	5n11	14s57	3s 8	23s20	3s17	0n10	0n52	7s18	1s38	17s37	1n42	22s11	0s34	20n37	1s30	21s41	15s59	14n25	14n45	3n46	18s 3	5n 7

Julian Day Number = 2113214.5, Delta T = 19m12s
Ecliptic obliquity = 23°33'41, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°49'38, Lahiri = 10°56'39 Julian Calendar 1 Sept. 1073 == Greg. Calendar 7 Sept. 1073

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1073
geocentric

OCTOBER 1073 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 2 1	13♎37'58	1♍39	1°R 7	0♐27	2♎14	15°R16	25♏42	22♑46	10°R16	12°R15	8°R28	9♉30	14♈42	19♐37	T 1
W 2	1 5 57	14°37'45	16°29	0♏42	1°30	2°53	15♓10	25°48	22°46	10♊15	12♓14	8♉25	9°27	14°49	19°40	W 2
T 3	1 9 54	15°37'34	1♎35	0° 9	2°31	3°33	15° 4	25°54	22°47	10°14	12°13	8°22	9°24	14°55	19°44	T 3
F 4	1 13 50	16°37'25	16°49	29♎27	3°33	4°12	14°58	26° 0	22°47	10°13	12°12	8°20	9°21	15° 2	19°48	F 4
S 5	1 17 47	17°37'18	2♏ 2	28°36	4°34	4°52	14°53	26° 6	22°48	10°12	12°11	8°D19	9°17	15° 9	19°52	S 5
S 6	1 21 43	18°37'13	17° 2	27°37	5°35	5°32	14°47	26°12	22°48	10°11	12°10	8°19	9°14	15°15	19°56	S 6
M 7	1 25 40	19°37'10	1♐43	26°30	6°36	6°11	14°42	26°18	22°48	10°11	12°10	8°20	9°11	15°22	20° 0	M 7
T 8	1 29 36	20°37'09	15°59	25°19	7°36	6°51	14°37	26°24	22°49	10°10	12° 9	8°21	9° 8	15°28	20° 4	T 8
W 9	1 33 33	21°37'09	29°49	24° 3	8°36	7°31	14°32	26°30	22°50	10° 9	12° 8	8°22	9° 5	15°35	20° 9	W 9
T 10	1 37 30	22°37'11	13♑13	22°46	9°36	8°11	14°27	26°36	22°50	10° 8	12° 7	8°23	9° 2	15°42	20°13	T 10
F 11	1 41 26	23°37'15	26°12	21°29	10°35	8°50	14°23	26°43	22°51	10° 7	12° 6	8°R23	8°58	15°48	20°17	F 11
S 12	1 45 23	24°37'20	8♒51	20°16	11°34	9°30	14°18	26°49	22°52	10° 5	12° 5	8°23	8°55	15°55	20°22	S 12
S 13	1 49 19	25°37'27	21°13	19° 8	12°32	10°10	14°14	26°55	22°53	10° 4	12° 4	8°22	8°52	16° 2	20°26	S 13
M14	1 53 16	26°37'35	3♓22	18° 7	13°30	10°50	14°10	27° 2	22°54	10° 3	12° 3	8°20	8°49	16° 8	20°31	M14
T 15	1 57 12	27°37'45	15°21	17°15	14°27	11°30	14° 6	27° 8	22°54	10° 2	12° 3	8°18	8°46	16°15	20°35	T 15
W16	2 1 9	28°37'56	27°13	16°34	15°24	12°10	14° 3	27°15	22°55	10° 1	12° 2	8°17	8°42	16°22	20°40	W16
T 17	2 5 5	29°38'10	9♈ 3	16° 4	16°21	12°50	13°59	27°21	22°56	10° 0	12° 1	8°16	8°39	16°28	20°44	T 17
F 18	2 9 2	0♏38'25	20°51	15°46	17°17	13°30	13°56	27°28	22°57	9°59	12° 0	8°15	8°36	16°35	20°49	F 18
S 19	2 12 59	1°38'42	2♉41	15°D39	18°12	14°10	13°53	27°34	22°59	9°57	12° 0	8°D15	8°33	16°42	20°54	S 19
S 20	2 16 55	2°39'00	14°34	15°44	19° 7	14°50	13°50	27°41	23° 0	9°56	11°59	8°15	8°30	16°48	20°59	S 20
M21	2 20 52	3°39'20	26°33	15°59	20° 1	15°30	13°47	27°48	23° 1	9°55	11°58	8°15	8°27	16°55	21° 4	M21
T 22	2 24 48	4°39'43	8♊40	16°25	20°54	16°10	13°45	27°54	23° 2	9°53	11°58	8°15	8°23	17° 2	21° 9	T 22
W23	2 28 45	5°40'07	20°56	16°59	21°47	16°50	13°42	28° 1	23° 4	9°52	11°57	8°16	8°20	17° 8	21°14	W23
T 24	2 32 41	6°40'33	3♋26	17°42	22°39	17°30	13°40	28° 8	23° 5	9°51	11°56	8°16	8°17	17°15	21°19	T 24
F 25	2 36 38	7°41'01	16°11	18°31	23°31	18°10	13°38	28°14	23° 6	9°49	11°56	8°16	8°14	17°22	21°24	F 25
S 26	2 40 34	8°41'31	29°14	19°28	24°22	18°51	13°37	28°21	23° 8	9°48	11°55	8°R16	8°11	17°28	21°29	S 26
S 27	2 44 31	9°42'02	12♌38	20°30	25°12	19°31	13°35	28°28	23° 9	9°47	11°55	8°D16	8° 8	17°35	21°34	S 27
M28	2 48 28	10°42'36	26°24	21°37	26° 1	20°11	13°34	28°35	23°11	9°45	11°54	8°16	8° 4	17°42	21°40	M28
T 29	2 52 24	11°43'11	10♍34	22°48	26°50	20°51	13°33	28°42	23°12	9°44	11°54	8°16	8° 1	17°48	21°45	T 29
W30	2 56 21	12°43'49	25° 5	24° 2	27°38	21°32	13°32	28°49	23°14	9°42	11°53	8°17	7°58	17°55	21°50	W30
T 31	3 0 17	13♏44'27	9♎54	25♎20	28♐25	22♎12	13♓31	28♏56	23♑16	9♊41	11♓53	8♉17	7♉55	18♈ 2	21♐56	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s24	15n26	4n49	14s46	3s 2	23s37	3s20	0s 6	0n51	7s20	1s38	17s38	1n42	22s11	0s34	20n36	1s31	21s41	15s59	14n24	14n44	3n50	18s 4	5n 6
W 2	5 48	9 10	4 8	14 30	2 54	23 53	3 23	0 22	0 51	7 22	1 38	17 40	1 41	22 11	0 34	20 36	1 31	21 41	15 58	14 23	14 43	3 53	18 4	5 6
T 3	6 11	2 15	3 9	14 9	2 45	24 9	3 26	0 39	0 51	7 24	1 37	17 41	1 41	22 11	0 34	20 36	1 31	21 41	15 58	14 22	14 42	3 56	18 5	5 6
F 4	6 34	4s52	1 56	13 44	2 34	24 24	3 29	0 55	0 50	7 27	1 37	17 43	1 41	22 11	0 34	20 36	1 31	21 42	15 58	14 21	14 41	4 0	18 5	5 6
S 5	6 57	11 42	0 35	13 13	2 21	24 38	3 32	1 11	0 50	7 29	1 37	17 44	1 41	22 11	0 34	20 36	1 31	21 42	15 58	14 21	14 40	4 3	18 6	5 5
S 6	7 20	17 46	0s48	12 38	2 6	24 52	3 35	1 27	0 50	7 30	1 37	17 46	1 41	22 11	0 34	20 36	1 31	21 42	15 58	14 21	14 39	4 6	18 7	5 5
M 7	7 43	22 40	2 6	11 59	1 50	25 6	3 38	1 43	0 49	7 32	1 37	17 47	1 41	22 10	0 34	20 36	1 31	21 42	15 58	14 21	14 38	4 10	18 7	5 5
T 8	8 6	26 2	3 14	11 16	1 32	25 19	3 40	1 59	0 49	7 34	1 36	17 49	1 41	22 10	0 34	20 35	1 31	21 42	15 57	14 22	14 37	4 13	18 8	5 4
W 9	8 28	27 42	4 8	10 30	1 12	25 31	3 43	2 15	0 48	7 36	1 36	17 51	1 40	22 10	0 34	20 35	1 31	21 42	15 57	14 22	14 36	4 16	18 8	5 4
T 10	8 51	27 39	4 47	9 42	0 52	25 43	3 45	2 31	0 48	7 38	1 36	17 52	1 40	22 10	0 34	20 35	1 31	21 43	15 57	14 22	14 35	4 19	18 9	5 4
F 11	9 13	26 5	5 10	8 54	0 32	25 54	3 47	2 47	0 48	7 39	1 36	17 54	1 40	22 10	0 34	20 35	1 31	21 43	15 57	14 22	14 34	4 23	18 9	5 4
S 12	9 35	23 13	5 17	8 7	0 11	26 4	3 49	3 4	0 47	7 41	1 36	17 55	1 40	22 10	0 34	20 35	1 31	21 43	15 56	14 22	14 33	4 26	18 10	5 3
S 13	9 57	19 22	5 9	7 23	0n 9	26 14	3 51	3 20	0 47	7 42	1 35	17 57	1 40	22 10	0 33	20 34	1 31	21 43	15 56	14 22	14 32	4 29	18 11	5 3
M14	10 19	14 47	4 47	6 42	0 29	26 23	3 53	3 36	0 47	7 43	1 35	17 59	1 40	22 9	0 33	20 34	1 31	21 43	15 56	14 21	14 31	4 33	18 11	5 3
T 15	10 41	9 41	4 13	6 5	0 47	26 32	3 55	3 52	0 46	7 45	1 35	18 0	1 40	22 9	0 33	20 34	1 31	21 43	15 56	14 21	14 30	4 36	18 12	5 3
W16	11 3	4 18	3 29	5 33	1 4	26 40	3 56	4 8	0 46	7 46	1 35	18 2	1 40	22 9	0 33	20 34	1 31	21 43	15 55	14 20	14 29	4 39	18 12	5 2
T 17	11 24	1n14	2 35	5 8	1 19	26 48	3 57	4 24	0 45	7 47	1 35	18 3	1 39	22 9	0 33	20 34	1 31	21 43	15 55	14 20	14 28	4 43	18 13	5 2
F 18	11 45	6 43	1 35	4 49	1 33	26 55	3 59	4 40	0 45	7 48	1 34	18 5	1 39	22 9	0 33	20 33	1 31	21 43	15 55	14 20	14 27	4 46	18 13	5 2
S 19	12 6	11 59	0 31	4 35	1 44	27 1	4 0	4 56	0 45	7 49	1 34	18 6	1 39	22 8	0 33	20 33	1 31	21 43	15 55	14 20	14 25	4 49	18 14	5 2
S 20	12 27	16 51	0n35	4 28	1 54	27 6	4 1	5 12	0 44	7 50	1 34	18 8	1 39	22 8	0 33	20 33	1 31	21 43	15 54	14 20	14 24	4 53	18 14	5 1
M21	12 48	21 6	1 40	4 27	2 2	27 12	4 1	5 27	0 44	7 51	1 34	18 10	1 39	22 8	0 33	20 33	1 31	21 43	15 54	14 20	14 23	4 56	18 15	5 1
T 22	13 8	24 31	2 41	4 31	2 8	27 16	4 2	5 43	0 43	7 52	1 33	18 11	1 39	22 8	0 33	20 33	1 31	21 43	15 54	14 20	14 22	4 59	18 15	5 1
W23	13 29	26 50	3 36	4 39	2 13	27 20	4 2	5 59	0 43	7 52	1 33	18 13	1 39	22 8	0 33	20 32	1 31	21 43	15 54	14 20	14 21	5 3	18 16	5 1
T 24	13 49	27 52	4 21	4 53	2 16	27 23	4 2	6 15	0 43	7 53	1 33	18 14	1 39	22 7	0 33	20 32	1 31	21 43	15 53	14 20	14 20	5 6	18 17	5 1
F 25	14 9	27 27	4 55	5 10	2 18	27 26	4 2	6 31	0 42	7 53	1 33	18 16	1 39	22 7	0 33	20 32	1 31	21 43	15 53	14 20	14 19	5 9	18 17	5 0
S 26	14 28	25 32	5 14	5 30	2 19	27 28	4 2	6 47	0 42	7 54	1 32	18 18	1 38	22 7	0 33	20 32	1 31	21 43	15 53	14 20	14 18	5 13	18 18	5 0
S 27	14 48	22 10	5 17	5 54	2 19	27 30	4 2	7 2	0 41	7 54	1 32	18 19	1 38	22 6	0 33	20 32	1 31	21 43	15 52	14 20	14 17	5 16	18 18	5 0
M28	15 7	17 30	5 2	6 20	2 18	27 31	4 1	7 18	0 41	7 54	1 32	18 21	1 38	22 6	0 33	20 31	1 31	21 43	15 52	14 20	14 16	5 19	18 19	5 0
T 29	15 26	11 47	4 29	6 49	2 16	27 31	4 0	7 34	0 40	7 54	1 32	18 22	1 38	22 6	0 33	20 31	1 31	21 43	15 52	14 20	14 15	5 22	18 19	5 0
W30	15 44	5 18	3 38	7 19	2 13	27 31	3 59	7 49	0 40	7 55	1 31	18 24	1 38	22 6	0 33	20 31	1 31	21 43	15 52	14 20	14 14	5 26	18 20	5 0
T 31	16s 3	1s37	2n31	7s51	2n 9	27s31	3s57	8s 5	0n40	7s55	1s31	18s26	1n38	22s 5	0s33	20n31	1s31	21s43	15s51	14n20	14n13	5n29	18s20	4n59

Julian Day Number = 2113244.5, Delta T = 19m12s
Ecliptic obliquity = 23°33'41, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°49'42, Lahiri = 10°56'43 Julian Calendar 1 Oct. 1073 == Greg. Calendar 7 Oct. 1073

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1073
geocentric

NOVEMBER 1073 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 4 14	14♏45'08	24♎55	26♎41	29♐10	22♎53	13°R31	29♏ 2	23♑18	9°R39	11°R52	8♉17	7♉52	18♈ 8	22♐ 1	F 1
S 2	3 8 10	15°45'50	9♏59	28° 3	29°55	23°33	13♓31	29° 9	23°19	9♊38	11♓52	8°R18	7°48	18°15	22° 6	S 2
S 3	3 12 7	16°46'34	24°59	29°28	0♑40	24°14	13°D31	29°16	23°21	9°36	11°51	8°17	7°45	18°22	22°12	S 3
M 4	3 16 3	17°47'19	9♐45	0♏54	1°23	24°54	13°31	29°23	23°23	9°35	11°51	8°17	7°42	18°28	22°18	M 4
T 5	3 20 0	18°48'05	24°10	2°21	2° 5	25°35	13°31	29°30	23°25	9°33	11°51	8°15	7°39	18°35	22°23	T 5
W 6	3 23 57	19°48'53	8♑10	3°50	2°45	26°15	13°32	29°37	23°27	9°32	11°50	8°14	7°36	18°41	22°29	W 6
T 7	3 27 53	20°49'42	21°44	5°19	3°25	26°56	13°33	29°44	23°29	9°30	11°50	8°12	7°33	18°48	22°34	T 7
F 8	3 31 50	21°50'31	4♒50	6°49	4° 4	27°36	13°34	29°51	23°31	9°28	11°50	8°11	7°29	18°55	22°40	F 8
S 9	3 35 46	22°51'22	17°33	8°20	4°41	28°17	13°35	29°58	23°33	9°27	11°49	8°D11	7°26	19° 1	22°46	S 9
S 10	3 39 43	23°52'13	29°56	9°51	5°17	28°58	13°36	0♐ 5	23°35	9°25	11°49	8°11	7°23	19° 8	22°52	S 10
M11	3 43 39	24°53'06	12♓ 3	11°23	5°51	29°38	13°38	0°13	23°37	9°24	11°49	8°11	7°20	19°15	22°57	M11
T 12	3 47 36	25°53'59	23°59	12°55	6°24	0♏19	13°40	0°20	23°40	9°22	11°49	8°13	7°17	19°21	23° 3	T 12
W13	3 51 32	26°54'53	5♈48	14°27	6°56	1° 0	13°42	0°27	23°42	9°20	11°48	8°14	7°14	19°28	23° 9	W13
T 14	3 55 29	27°55'48	17°36	16° 0	7°26	1°41	13°44	0°34	23°44	9°19	11°48	8°16	7°10	19°35	23°15	T 14
F 15	3 59 26	28°56'44	29°25	17°32	7°54	2°22	13°46	0°41	23°47	9°17	11°48	8°17	7° 7	19°41	23°21	F 15
S 16	4 3 22	29°57'41	11♉19	19° 5	8°21	3° 3	13°49	0°48	23°49	9°15	11°48	8°R17	7° 4	19°48	23°27	S 16
S 17	4 7 19	0♐58'38	23°21	20°38	8°46	3°43	13°52	0°55	23°51	9°14	11°48	8°16	7° 1	19°55	23°33	S 17
M18	4 11 15	1°59'37	5♊31	22°11	9° 9	4°24	13°55	1° 2	23°54	9°12	11°48	8°14	6°58	20° 1	23°39	M18
T 19	4 15 12	3° 0'37	17°53	23°44	9°30	5° 5	13°58	1° 9	23°56	9°10	11°48	8°11	6°54	20° 8	23°45	T 19
W20	4 19 8	4° 1'37	0♋27	25°18	9°50	5°46	14° 2	1°16	23°59	9° 9	11°D48	8° 7	6°51	20°15	23°51	W20
T 21	4 23 5	5° 2'39	13°13	26°51	10° 7	6°27	14° 5	1°23	24° 1	9° 7	11°48	8° 2	6°48	20°21	23°57	T 21
F 22	4 27 1	6° 3'42	26°12	28°24	10°22	7° 8	14° 9	1°30	24° 4	9° 5	11°48	7°58	6°45	20°28	24° 3	F 22
S 23	4 30 58	7° 4'45	9♌25	29°58	10°35	7°49	14°13	1°37	24° 7	9° 3	11°48	7°54	6°42	20°35	24° 9	S 23
S 24	4 34 55	8° 5'50	22°52	1♐31	10°46	8°31	14°17	1°45	24° 9	9° 2	11°48	7°52	6°39	20°41	24°15	S 24
M25	4 38 51	9° 6'55	6♍34	3° 5	10°55	9°12	14°22	1°52	24°12	9° 0	11°48	7°D51	6°35	20°48	24°21	M25
T 26	4 42 48	10° 8'02	20°31	4°39	11° 2	9°53	14°26	1°59	24°15	8°58	11°48	7°51	6°32	20°55	24°28	T 26
W27	4 46 44	11° 9'09	4♎43	6°12	11° 6	10°34	14°31	2° 6	24°17	8°57	11°49	7°52	6°29	21° 1	24°34	W27
T 28	4 50 41	12°10'18	19° 8	7°46	11°R 8	11°15	14°36	2°13	24°20	8°55	11°49	7°54	6°26	21° 8	24°40	T 28
F 29	4 54 37	13°11'27	3♏44	9°21	11° 7	11°57	14°41	2°20	24°23	8°53	11°49	7°R55	6°23	21°14	24°46	F 29
S 30	4 58 34	14♐12'37	18♏25	10♐55	11♑ 4	12♏38	14♓46	2♐27	24♑26	8♊52	11♓49	7♉54	6♉20	21♈21	24♐52	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16s21	8s33	1n14	8s24	2n 5	27s29	3s56	8s20	0n39	7s55	1s31	18s27	1n38	22s 5	0s33	20n30	1s31	21s43	15s51	14n20	14n12	5n32	18s20	4n59
S 2	16 39	15 2	0s 9	8 58	2 1	27 28	3 54	8 36	0 39	7 54	1 30	18 29	1 38	22 5	0 33	20 30	1 31	21 43	15 51	14 21	14 11	5 36	18 21	4 59
S 3	16 56	20 35	1 31	9 32	1 56	27 25	3 52	8 51	0 38	7 54	1 30	18 30	1 38	22 4	0 33	20 30	1 31	21 43	15 50	14 20	14 10	5 39	18 21	4 59
M 4	17 13	24 46	2 46	10 7	1 50	27 23	3 50	9 6	0 38	7 54	1 30	18 32	1 38	22 4	0 33	20 30	1 31	21 43	15 50	14 20	14 9	5 42	18 22	4 59
T 5	17 30	27 14	3 48	10 43	1 45	27 20	3 47	9 22	0 37	7 53	1 30	18 34	1 38	22 4	0 33	20 29	1 31	21 42	15 50	14 20	14 8	5 46	18 22	4 59
W 6	17 47	27 52	4 35	11 19	1 39	27 16	3 44	9 37	0 37	7 53	1 29	18 35	1 37	22 3	0 33	20 29	1 31	21 42	15 49	14 19	14 7	5 49	18 23	4 58
T 7	18 3	26 48	5 4	11 55	1 32	27 12	3 41	9 52	0 36	7 52	1 29	18 37	1 37	22 3	0 33	20 29	1 31	21 42	15 49	14 19	14 6	5 52	18 23	4 58
F 8	18 19	24 16	5 16	12 30	1 26	27 7	3 37	10 7	0 36	7 52	1 29	18 38	1 37	22 3	0 33	20 29	1 31	21 42	15 49	14 18	14 5	5 56	18 24	4 58
S 9	18 35	20 36	5 13	13 6	1 19	27 2	3 33	10 22	0 35	7 51	1 29	18 40	1 37	22 2	0 33	20 28	1 31	21 42	15 48	14 18	14 4	5 59	18 24	4 58
S 10	18 50	16 8	4 54	13 42	1 13	26 56	3 29	10 37	0 35	7 50	1 28	18 41	1 37	22 2	0 33	20 28	1 31	21 42	15 48	14 18	14 3	6 2	18 24	4 58
M11	19 5	11 8	4 23	14 17	1 6	26 50	3 25	10 52	0 34	7 49	1 28	18 43	1 37	22 1	0 33	20 28	1 31	21 41	15 48	14 18	14 2	6 5	18 25	4 58
T 12	19 20	5 47	3 41	14 51	0 59	26 44	3 20	11 7	0 34	7 48	1 28	18 44	1 37	22 1	0 33	20 28	1 31	21 41	15 47	14 19	14 1	6 9	18 25	4 58
W13	19 34	0 17	2 50	15 26	0 52	26 37	3 15	11 22	0 33	7 47	1 27	18 46	1 37	22 1	0 33	20 27	1 31	21 41	15 47	14 19	14 0	6 12	18 26	4 58
T 14	19 48	5n13	1 52	15 59	0 45	26 30	3 9	11 36	0 33	7 46	1 27	18 48	1 37	22 0	0 33	20 27	1 31	21 41	15 47	14 20	13 59	6 15	18 26	4 58
F 15	20 2	10 34	0 49	16 33	0 38	26 22	3 3	11 51	0 32	7 45	1 27	18 49	1 37	22 0	0 33	20 27	1 31	21 40	15 46	14 20	13 58	6 19	18 26	4 58
S 16	20 15	15 34	0n17	17 5	0 31	26 14	2 57	12 5	0 32	7 44	1 27	18 51	1 37	21 59	0 33	20 27	1 31	21 40	15 46	14 20	13 56	6 22	18 27	4 58
S 17	20 28	20 2	1 22	17 37	0 24	26 6	2 50	12 20	0 31	7 42	1 26	18 52	1 37	21 59	0 33	20 26	1 31	21 40	15 46	14 20	13 55	6 25	18 27	4 57
M18	20 40	23 42	2 24	18 8	0 17	25 57	2 43	12 34	0 31	7 41	1 26	18 54	1 37	21 58	0 33	20 26	1 31	21 40	15 45	14 19	13 54	6 29	18 27	4 57
T 19	20 52	26 20	3 21	18 38	0 10	25 48	2 36	12 48	0 30	7 39	1 26	18 55	1 37	21 58	0 33	20 26	1 31	21 39	15 45	14 18	13 53	6 32	18 28	4 57
W20	21 4	27 42	4 9	19 8	0 3	25 39	2 28	13 3	0 30	7 38	1 26	18 57	1 37	21 58	0 33	20 26	1 31	21 39	15 45	14 17	13 52	6 35	18 28	4 57
T 21	21 15	27 37	4 45	19 37	0s 4	25 29	2 19	13 17	0 29	7 36	1 25	18 58	1 37	21 57	0 33	20 25	1 31	21 39	15 44	14 15	13 51	6 38	18 28	4 57
F 22	21 26	26 2	5 7	20 5	0 11	25 19	2 11	13 31	0 29	7 34	1 25	18 59	1 37	21 57	0 33	20 25	1 31	21 38	15 44	14 14	13 50	6 42	18 29	4 57
S 23	21 36	23 1	5 13	20 32	0 17	25 9	2 1	13 45	0 28	7 33	1 25	19 1	1 37	21 56	0 33	20 25	1 31	21 38	15 44	14 13	13 49	6 45	18 29	4 57
S 24	21 46	18 43	5 3	20 58	0 24	24 59	1 52	13 58	0 28	7 31	1 24	19 2	1 36	21 56	0 33	20 25	1 31	21 38	15 43	14 12	13 48	6 48	18 29	4 57
M25	21 56	13 24	4 35	21 23	0 30	24 48	1 42	14 12	0 27	7 29	1 24	19 4	1 36	21 55	0 33	20 24	1 31	21 37	15 43	14 12	13 47	6 52	18 30	4 57
T 26	22 5	7 18	3 51	21 47	0 37	24 37	1 31	14 26	0 27	7 27	1 24	19 5	1 36	21 55	0 33	20 24	1 31	21 37	15 43	14 12	13 46	6 55	18 30	4 57
W27	22 14	0 44	2 52	22 10	0 43	24 25	1 20	14 39	0 26	7 25	1 24	19 7	1 36	21 54	0 33	20 24	1 31	21 36	15 42	14 12	13 45	6 58	18 30	4 57
T 28	22 22	5s58	1 41	22 31	0 49	24 14	1 8	14 53	0 26	7 23	1 23	19 8	1 36	21 54	0 33	20 24	1 31	21 36	15 42	14 13	13 44	7 1	18 30	4 57
F 29	22 30	12 28	0 23	22 52	0 55	24 2	0 57	15 6	0 25	7 20	1 23	19 10	1 36	21 53	0 33	20 23	1 31	21 36	15 42	14 13	13 43	7 5	18 31	4 57
S 30	22s37	18s19	0s57	23s12	1s 1	23s50	0s44	15s19	0n24	7s18	1s23	19s11	1n36	21s53	0s33	20n23	1s31	21s35	15s41	14n13	13n42	7n 8	18s31	4n57

Julian Day Number = 2113275.5, Delta T = 19m11s
Ecliptic obliquity = 23°33'41, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°49'46, Lahiri = 10°56'47 Julian Calendar 1 Nov. 1073 == Greg. Calendar 7 Nov. 1073

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1073
geocentric

DECEMBER 1073 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 2 30	15♐13'47	3♐ 6	12♐29	10°R58	13♏19	14♓52	2♐34	24♑29	8°R50	11♓49	7°R52	6♉16	21♈28	24♐58	S 1
M 2	5 6 27	16°14'59	17°40	14° 4	10♑50	14° 1	14°58	2°41	24°32	8♊48	11°50	7♉48	6°13	21°34	25° 5	M 2
T 3	5 10 24	17°16'10	2♑ 0	15°39	10°39	14°42	15° 3	2°48	24°35	8°46	11°50	7°42	6°10	21°41	25°11	T 3
W 4	5 14 20	18°17'22	16° 0	17°14	10°26	15°24	15° 9	2°54	24°38	8°45	11°50	7°35	6° 7	21°48	25°17	W 4
T 5	5 18 17	19°18'34	29°37	18°49	10°11	16° 5	15°16	3° 1	24°41	8°43	11°51	7°28	6° 4	21°54	25°23	T 5
F 6	5 22 13	20°19'46	12♒48	20°25	9°53	16°47	15°22	3° 8	24°44	8°41	11°51	7°22	6° 0	22° 1	25°30	F 6
S 7	5 26 10	21°20'59	25°36	22° 0	9°33	17°28	15°29	3°15	24°47	8°40	11°52	7°17	5°57	22° 8	25°36	S 7
S 8	5 30 6	22°22'11	8♓ 2	23°36	9°10	18°10	15°35	3°22	24°50	8°38	11°52	7°13	5°54	22°14	25°42	S 8
M 9	5 34 3	23°23'23	20°11	25°13	8°45	18°51	15°42	3°29	24°53	8°36	11°52	7°D12	5°51	22°21	25°49	M 9
T 10	5 38 0	24°24'34	2♈ 7	26°49	8°18	19°33	15°49	3°36	24°56	8°35	11°53	7°12	5°48	22°28	25°55	T 10
W11	5 41 56	25°25'46	13°56	28°26	7°50	20°15	15°56	3°42	24°59	8°33	11°53	7°14	5°45	22°34	26° 1	W11
T 12	5 45 53	26°26'57	25°44	0♑ 3	7°19	20°56	16° 4	3°49	25° 2	8°32	11°54	7°15	5°41	22°41	26° 7	T 12
F 13	5 49 49	27°28'09	7♉34	1°41	6°47	21°38	16°11	3°56	25° 6	8°30	11°54	7°R16	5°38	22°48	26°14	F 13
S 14	5 53 46	28°29'20	19°32	3°19	6°13	22°20	16°19	4° 2	25° 9	8°28	11°55	7°15	5°35	22°54	26°20	S 14
S 15	5 57 42	29°30'31	1♊42	4°57	5°39	23° 1	16°27	4° 9	25°12	8°27	11°56	7°11	5°32	23° 1	26°26	S 15
M16	6 1 39	0♑31'41	14° 5	6°36	5° 3	23°43	16°35	4°16	25°15	8°25	11°56	7° 6	5°29	23° 8	26°32	M16
T 17	6 5 35	1°32'52	26°44	8°14	4°27	24°25	16°43	4°22	25°19	8°24	11°57	6°58	5°26	23°14	26°39	T 17
W18	6 9 32	2°34'02	9♋39	9°53	3°50	25° 7	16°51	4°29	25°22	8°22	11°58	6°48	5°22	23°21	26°45	W18
T 19	6 13 29	3°35'12	22°48	11°33	3°13	25°49	16°59	4°35	25°25	8°21	11°58	6°38	5°19	23°28	26°51	T 19
F 20	6 17 25	4°36'22	6♌11	13°12	2°36	26°31	17° 8	4°42	25°28	8°19	11°59	6°28	5°16	23°34	26°57	F 20
S 21	6 21 22	5°37'32	19°45	14°52	2° 0	27°13	17°17	4°48	25°32	8°18	12° 0	6°19	5°13	23°41	27° 4	S 21
S 22	6 25 18	6°38'42	3♍29	16°32	1°24	27°55	17°26	4°55	25°35	8°16	12° 0	6°12	5°10	23°47	27°10	S 22
M23	6 29 15	7°39'51	17°20	18°12	0°49	28°37	17°35	5° 1	25°39	8°15	12° 1	6° 7	5° 6	23°54	27°16	M23
T 24	6 33 11	8°41'01	1♎17	19°52	0°15	29°19	17°44	5° 7	25°42	8°13	12° 2	6° 5	5° 3	24° 1	27°22	T 24
W25	6 37 8	9°42'10	15°21	21°31	29♐43	0♐ 1	17°53	5°14	25°45	8°12	12° 3	6°D 5	5° 0	24° 7	27°28	W25
T 26	6 41 4	10°43'19	29°29	23°11	29°12	0°43	18° 2	5°20	25°49	8°11	12° 4	6°R 6	4°57	24°14	27°34	T 26
F 27	6 45 1	11°44'28	13♏40	24°50	28°43	1°25	18°12	5°26	25°52	8° 9	12° 4	6° 6	4°54	24°21	27°41	F 27
S 28	6 48 58	12°45'37	27°55	26°29	28°15	2° 7	18°21	5°32	25°56	8° 8	12° 5	6° 4	4°51	24°27	27°47	S 28
S 29	6 52 54	13°46'45	12♐ 8	28° 7	27°50	2°50	18°31	5°38	25°59	8° 7	12° 6	5°59	4°47	24°34	27°53	S 29
M30	6 56 51	14°47'53	26°16	29°43	27°27	3°32	18°41	5°44	26° 3	8° 5	12° 7	5°52	4°44	24°41	27°59	M30
T 31	7 0 47	15♑49'01	10♑16	1♒19	27♐ 6	4♐14	18♓51	5♐50	26♑ 6	8♊ 4	12♓ 8	5♉42	4♉41	24♈47	28♐ 5	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s44	23s 3	2s13	23s30	1s 6	23s38	0s31	15s32	0n24	7s16	1s23	19s12	1n36	21s52	0s33	20n23	1s31	21s35	15s41	14n12	13n41	7n11	18s31	4n57
M 2	22 51	26 18	3 19	23 48	1 12	23 25	0 18	15 45	0 23	7 13	1 22	19 14	1 36	21 52	0 33	20 23	1 31	21 34	15 41	14 11	13 40	7 15	18 31	4 57
T 3	22 57	27 45	4 12	24 4	1 17	23 12	0 5	15 58	0 23	7 11	1 22	19 15	1 36	21 51	0 33	20 22	1 31	21 34	15 40	14 9	13 39	7 18	18 31	4 57
W 4	23 3	27 22	4 48	24 19	1 22	23 0	0n 9	16 11	0 22	7 8	1 22	19 16	1 36	21 50	0 33	20 22	1 31	21 34	15 40	14 7	13 38	7 21	18 32	4 57
T 5	23 8	25 20	5 7	24 32	1 27	22 46	0 24	16 24	0 22	7 5	1 22	19 18	1 36	21 50	0 33	20 22	1 31	21 33	15 40	14 4	13 37	7 24	18 32	4 57
F 6	23 12	21 58	5 8	24 44	1 32	22 33	0 38	16 36	0 21	7 3	1 21	19 19	1 36	21 49	0 33	20 22	1 31	21 33	15 39	14 2	13 35	7 28	18 32	4 57
S 7	23 17	17 39	4 54	24 55	1 36	22 20	0 53	16 48	0 20	7 0	1 21	19 20	1 36	21 49	0 33	20 21	1 31	21 32	15 39	14 1	13 34	7 31	18 32	4 57
S 8	23 20	12 43	4 26	25 5	1 41	22 6	1 9	17 1	0 20	6 57	1 21	19 22	1 36	21 48	0 33	20 21	1 31	21 32	15 39	14 0	13 33	7 34	18 32	4 57
M 9	23 24	7 23	3 47	25 13	1 44	21 52	1 24	17 13	0 19	6 54	1 21	19 23	1 36	21 48	0 33	20 21	1 31	21 31	15 38	13 59	13 32	7 38	18 32	4 58
T 10	23 27	1 53	2 58	25 19	1 48	21 39	1 40	17 25	0 19	6 51	1 20	19 24	1 36	21 47	0 32	20 21	1 31	21 31	15 38	13 59	13 31	7 41	18 32	4 58
W11	23 29	3n38	2 3	25 25	1 52	21 25	1 55	17 37	0 18	6 48	1 20	19 26	1 36	21 47	0 32	20 20	1 31	21 30	15 38	14 0	13 30	7 44	18 32	4 58
T 12	23 31	9 2	1 2	25 28	1 55	21 11	2 11	17 48	0 17	6 45	1 20	19 27	1 36	21 46	0 32	20 20	1 31	21 30	15 37	14 0	13 29	7 47	18 33	4 58
F 13	23 32	14 8	0n 2	25 30	1 57	20 57	2 26	18 0	0 17	6 42	1 20	19 28	1 36	21 45	0 32	20 20	1 31	21 29	15 37	14 0	13 28	7 51	18 33	4 58
S 14	23 33	18 46	1 6	25 31	2 0	20 43	2 42	18 11	0 16	6 39	1 19	19 29	1 36	21 45	0 32	20 20	1 31	21 29	15 37	14 0	13 27	7 54	18 33	4 58
S 15	23 34	22 41	2 8	25 30	2 2	20 29	2 57	18 22	0 15	6 35	1 19	19 30	1 36	21 44	0 32	20 20	1 31	21 28	15 36	13 59	13 26	7 57	18 33	4 58
M16	23 34	25 40	3 5	25 27	2 4	20 15	3 13	18 34	0 15	6 32	1 19	19 32	1 36	21 44	0 32	20 19	1 31	21 28	15 36	13 57	13 25	8 0	18 33	4 58
T 17	23 33	27 25	3 53	25 23	2 5	20 2	3 27	18 45	0 14	6 29	1 19	19 33	1 36	21 43	0 32	20 19	1 31	21 27	15 36	13 55	13 24	8 4	18 33	4 58
W18	23 32	27 43	4 31	25 17	2 6	19 48	3 42	18 55	0 13	6 25	1 18	19 34	1 36	21 42	0 32	20 19	1 31	21 27	15 35	13 51	13 23	8 7	18 33	4 58
T 19	23 31	26 29	4 56	25 10	2 7	19 35	3 56	19 6	0 13	6 22	1 18	19 35	1 36	21 42	0 32	20 19	1 31	21 26	15 35	13 48	13 22	8 10	18 33	4 59
F 20	23 29	23 44	5 4	25 0	2 7	19 23	4 10	19 17	0 12	6 18	1 18	19 36	1 36	21 41	0 32	20 18	1 31	21 25	15 35	13 44	13 21	8 14	18 33	4 59
S 21	23 26	19 39	4 56	24 49	2 7	19 10	4 23	19 27	0 12	6 15	1 18	19 38	1 36	21 40	0 32	20 18	1 31	21 25	15 34	13 41	13 20	8 17	18 33	4 59
S 22	23 24	14 29	4 31	24 37	2 6	18 58	4 35	19 37	0 11	6 11	1 18	19 39	1 36	21 40	0 32	20 18	1 31	21 24	15 34	13 39	13 19	8 20	18 33	4 59
M23	23 20	8 33	3 50	24 22	2 4	18 46	4 47	19 47	0 10	6 7	1 17	19 40	1 36	21 39	0 32	20 18	1 31	21 24	15 34	13 38	13 17	8 23	18 33	4 59
T 24	23 17	2 9	2 54	24 6	2 2	18 35	4 58	19 57	0 10	6 3	1 17	19 41	1 36	21 39	0 32	20 18	1 31	21 23	15 34	13 37	13 16	8 27	18 33	4 59
W25	23 12	4s24	1 48	23 48	2 0	18 25	5 9	20 7	0 9	6 0	1 17	19 42	1 36	21 38	0 32	20 18	1 31	21 23	15 33	13 37	13 15	8 30	18 33	5 0
T 26	23 8	10 48	0 35	23 29	1 57	18 15	5 19	20 16	0 8	5 56	1 17	19 43	1 36	21 37	0 32	20 17	1 31	21 22	15 33	13 37	13 14	8 33	18 33	5 0
F 27	23 2	16 40	0s40	23 8	1 53	18 6	5 28	20 26	0 7	5 52	1 17	19 44	1 37	21 37	0 32	20 17	1 31	21 21	15 33	13 37	13 13	8 36	18 33	5 0
S 28	22 57	21 38	1 53	22 45	1 49	17 57	5 36	20 35	0 7	5 48	1 16	19 45	1 37	21 36	0 32	20 17	1 31	21 21	15 32	13 37	13 12	8 40	18 33	5 0
S 29	22 51	25 19	2 59	22 20	1 44	17 49	5 44	20 44	0 6	5 44	1 16	19 46	1 37	21 35	0 32	20 17	1 31	21 20	15 32	13 35	13 11	8 43	18 32	5 0
M30	22 44	27 24	3 53	21 54	1 38	17 42	5 50	20 53	0 5	5 40	1 16	19 47	1 37	21 35	0 32	20 17	1 31	21 20	15 32	13 33	13 10	8 46	18 32	5 0
T 31	22s37	27s42	4s33	21s27	1s31	17s35	5n57	21s 1	0n 5	5s36	1s16	19s48	1n37	21s34	0s32	20n16	1s31	21s19	15s32	13n29	13n 9	8n49	18s32	5n 1

Julian Day Number = 2113305.5, Delta T = 19m11s
Ecliptic obliquity = 23°33'40, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°49'51, Lahiri = 10°56'51 Julian Calendar 1 Dec. 1073 == Greg. Calendar 7 Dec. 1073

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1074
geocentric

JANUARY 1074 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 4 44	16♉50'07	24♉ 1	2♒53	26°R47	4♐56	19♓ 1	5♐56	26♉10	8°R 3	12♓ 9	5°R30	4♋38	24♈54	28♐11	W 1
T 2	7 8 40	17°51'13	7♒28	4°24	26♐31	5°39	19°12	6° 2	26°13	8♊ 2	12°10	5♋17	4°35	25° 1	28°17	T 2
F 3	7 12 37	18°52'18	20°35	5°54	26°17	6°21	19°22	6° 8	26°16	8° 0	12°11	5° 5	4°32	25° 7	28°23	F 3
S 4	7 16 34	19°53'22	3♓22	7°20	26° 6	7° 4	19°32	6°14	26°20	7°59	12°12	4°55	4°28	25°14	28°29	S 4
S 5	7 20 30	20°54'25	15°48	8°43	25°57	7°46	19°43	6°20	26°23	7°58	12°13	4°47	4°25	25°21	28°35	S 5
M 6	7 24 27	21°55'27	27°58	10° 1	25°50	8°28	19°54	6°25	26°27	7°57	12°14	4°42	4°22	25°27	28°41	M 6
T 7	7 28 23	22°56'28	9♈55	11°15	25°46	9°11	20° 5	6°31	26°30	7°56	12°15	4°40	4°19	25°34	28°46	T 7
W 8	7 32 20	23°57'27	21°45	12°22	25°D45	9°53	20°16	6°36	26°34	7°55	12°16	4°D39	4°16	25°40	28°52	W 8
T 9	7 36 16	24°58'25	3♉32	13°24	25°46	10°36	20°27	6°42	26°38	7°54	12°17	4°R39	4°12	25°47	28°58	T 9
F 10	7 40 13	25°59'22	15°23	14°18	25°49	11°18	20°38	6°47	26°41	7°53	12°18	4°39	4° 9	25°54	29° 4	F 10
S 11	7 44 9	27° 0'18	27°23	15° 4	25°54	12° 1	20°49	6°53	26°45	7°52	12°20	4°37	4° 6	26° 0	29°10	S 11
S 12	7 48 6	28° 1'13	9♊37	15°41	26° 2	12°44	21° 0	6°58	26°48	7°51	12°21	4°33	4° 3	26° 7	29°15	S 12
M13	7 52 3	29° 2'06	22° 8	16° 9	26°13	13°26	21°12	7° 3	26°52	7°50	12°22	4°26	4° 0	26°14	29°21	M13
T 14	7 55 59	0♒ 2'57	5♋ 0	16°26	26°25	14° 9	21°23	7° 8	26°55	7°49	12°23	4°16	3°57	26°20	29°27	T 14
W15	7 59 56	1° 3'48	18°12	16°R32	26°39	14°52	21°35	7°14	26°59	7°48	12°24	4° 4	3°53	26°27	29°32	W15
T 16	8 3 52	2° 4'37	1♌44	16°28	26°56	15°34	21°47	7°19	27° 2	7°47	12°26	3°51	3°50	26°34	29°38	T 16
F 17	8 7 49	3° 5'25	15°33	16°12	27°15	16°17	21°58	7°24	27° 6	7°46	12°27	3°38	3°47	26°40	29°43	F 17
S 18	8 11 45	4° 6'12	29°35	15°46	27°35	17° 0	22°10	7°28	27° 9	7°45	12°28	3°27	3°44	26°47	29°49	S 18
S 19	8 15 42	5° 6'57	13♍45	15° 9	27°58	17°43	22°22	7°33	27°13	7°45	12°29	3°17	3°41	26°54	29°54	S 19
M20	8 19 38	6° 7'42	27°58	14°23	28°22	18°26	22°34	7°38	27°16	7°44	12°31	3°11	3°38	27° 0	29°59	M20
T 21	8 23 35	7° 8'25	12♎10	13°29	28°48	19° 8	22°47	7°43	27°20	7°43	12°32	3° 8	3°34	27° 7	0♑ 5	T 21
W22	8 27 32	8° 9'07	26°20	12°29	29°16	19°51	22°59	7°47	27°23	7°42	12°33	3° 7	3°31	27°14	0°10	W22
T 23	8 31 28	9° 9'48	10♏25	11°23	29°45	20°34	23°11	7°52	27°26	7°42	12°34	3° 7	3°28	27°20	0°15	T 23
F 24	8 35 25	10°10'28	24°26	10°14	0♑16	21°17	23°24	7°56	27°30	7°41	12°36	3° 7	3°25	27°27	0°21	F 24
S 25	8 39 21	11°11'07	8♐21	9° 5	0°48	22° 0	23°36	8° 1	27°33	7°41	12°37	3° 4	3°22	27°33	0°26	S 25
S 26	8 43 18	12°11'44	22°10	7°56	1°22	22°43	23°49	8° 5	27°37	7°40	12°38	3° 0	3°18	27°40	0°31	S 26
M27	8 47 14	13°12'21	5♑52	6°49	1°57	23°26	24° 1	8° 9	27°40	7°40	12°40	2°52	3°15	27°47	0°36	M27
T 28	8 51 11	14°12'56	19°24	5°46	2°34	24° 9	24°14	8°14	27°44	7°39	12°41	2°41	3°12	27°53	0°41	T 28
W29	8 55 7	15°13'29	2♒45	4°48	3°12	24°52	24°27	8°18	27°47	7°39	12°43	2°29	3° 9	28° 0	0°46	W29
T 30	8 59 4	16°14'01	15°53	3°57	3°51	25°36	24°40	8°22	27°50	7°38	12°44	2°15	3° 6	28° 7	0°51	T 30
F 31	9 3 1	17♒14'32	28♒45	3♒12	4♑31	26♐19	24♓52	8♐26	27♑54	7♊38	12♓45	2♋ 3	3♋ 3	28♈13	0♑56	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s30	26s16	4s56	20s58	1s24	17s29	6n 2	21s10	0n 4	5s31	1s15	19s49	1n37	21s33	0s32	20n16	1s31	21s18	15s31	13n25	13n 8	8n53	18s32	5n 1
T 2	22 22	23 21	5 1	20 29	1 16	17 24	6 7	21 18	0 3	5 27	1 15	19 50	1 37	21 33	0 32	20 16	1 30	21 18	15 31	13 21	13 7	8 56	18 32	5 1
F 3	22 13	19 17	4 51	19 58	1 6	17 20	6 11	21 26	0 3	5 23	1 15	19 51	1 37	21 32	0 32	20 16	1 30	21 17	15 31	13 17	13 6	8 59	18 32	5 1
S 4	22 5	14 27	4 26	19 26	0 56	17 16	6 14	21 34	0 2	5 19	1 15	19 52	1 37	21 31	0 32	20 16	1 30	21 16	15 30	13 14	13 5	9 2	18 32	5 2
S 5	21 56	9 8	3 49	18 54	0 45	17 13	6 17	21 42	0 1	5 14	1 15	19 53	1 37	21 31	0 32	20 16	1 30	21 16	15 30	13 11	13 4	9 6	18 31	5 2
M 6	21 46	3 35	3 2	18 22	0 34	17 11	6 19	21 49	0 0	5 10	1 15	19 54	1 37	21 30	0 32	20 16	1 30	21 15	15 30	13 9	13 2	9 9	18 31	5 2
T 7	21 36	2n 0	2 7	17 50	0 21	17 9	6 21	21 57	0s 0	5 5	1 14	19 55	1 37	21 29	0 32	20 15	1 30	21 14	15 30	13 8	13 1	9 12	18 31	5 2
W 8	21 26	7 28	1 8	17 17	0 7	17 8	6 22	22 4	0 1	5 1	1 14	19 56	1 37	21 29	0 32	20 15	1 30	21 14	15 29	13 8	13 0	9 15	18 31	5 3
T 9	21 15	12 40	0 6	16 46	0n 7	17 7	6 22	22 11	0 2	4 56	1 14	19 57	1 37	21 28	0 32	20 15	1 30	21 13	15 29	13 8	12 59	9 19	18 31	5 3
F 10	21 3	17 26	0n57	16 16	0 23	17 7	6 22	22 18	0 3	4 52	1 14	19 57	1 37	21 27	0 32	20 15	1 30	21 12	15 29	13 8	12 58	9 22	18 30	5 3
S 11	20 52	21 35	1 57	15 47	0 39	17 8	6 22	22 24	0 3	4 47	1 14	19 58	1 37	21 27	0 32	20 15	1 30	21 12	15 29	13 8	12 57	9 25	18 30	5 3
S 12	20 40	24 52	2 54	15 20	0 55	17 9	6 21	22 31	0 4	4 42	1 13	19 59	1 37	21 26	0 32	20 15	1 30	21 11	15 28	13 6	12 56	9 28	18 30	5 4
M13	20 27	27 2	3 43	14 56	1 12	17 11	6 20	22 37	0 5	4 38	1 13	20 0	1 37	21 25	0 32	20 15	1 30	21 11	15 28	13 4	12 55	9 32	18 30	5 4
T 14	20 15	27 50	4 22	14 34	1 30	17 13	6 18	22 43	0 6	4 33	1 13	20 1	1 37	21 25	0 32	20 15	1 30	21 10	15 28	13 0	12 54	9 35	18 29	5 4
W15	20 1	27 5	4 49	14 15	1 47	17 15	6 16	22 48	0 7	4 28	1 13	20 1	1 38	21 24	0 32	20 15	1 30	21 9	15 28	12 56	12 53	9 38	18 29	5 5
T 16	19 48	24 44	5 0	14 0	2 5	17 18	6 14	22 54	0 7	4 23	1 13	20 2	1 38	21 23	0 32	20 14	1 30	21 8	15 28	12 52	12 52	9 41	18 29	5 5
F 17	19 34	20 55	4 54	13 49	2 21	17 21	6 11	22 59	0 8	4 19	1 13	20 3	1 38	21 23	0 32	20 14	1 30	21 8	15 27	12 47	12 51	9 44	18 28	5 5
S 18	19 20	15 53	4 30	13 41	2 38	17 25	6 8	23 4	0 9	4 14	1 13	20 4	1 38	21 22	0 33	20 14	1 30	21 7	15 27	12 44	12 49	9 48	18 28	5 5
S 19	19 5	9 57	3 49	13 37	2 53	17 28	6 5	23 9	0 10	4 9	1 12	20 4	1 38	21 21	0 33	20 14	1 30	21 6	15 27	12 40	12 48	9 51	18 28	5 6
M20	18 50	3 29	2 54	13 38	3 6	17 32	6 1	23 14	0 10	4 4	1 12	20 5	1 38	21 21	0 33	20 14	1 30	21 6	15 27	12 38	12 47	9 54	18 28	5 6
T 21	18 35	3s10	1 48	13 42	3 18	17 36	5 57	23 18	0 11	3 59	1 12	20 6	1 38	21 20	0 33	20 14	1 30	21 5	15 27	12 37	12 46	9 57	18 27	5 6
W22	18 19	9 39	0 36	13 49	3 28	17 41	5 53	23 22	0 12	3 54	1 12	20 6	1 38	21 19	0 33	20 14	1 30	21 4	15 26	12 37	12 45	10 1	18 27	5 7
T 23	18 3	15 38	0s39	14 0	3 36	17 45	5 49	23 26	0 13	3 49	1 12	20 7	1 38	21 19	0 33	20 14	1 29	21 4	15 26	12 37	12 44	10 4	18 27	5 7
F 24	17 47	20 45	1 50	14 13	3 41	17 49	5 44	23 30	0 14	3 44	1 12	20 8	1 38	21 18	0 33	20 14	1 29	21 3	15 26	12 37	12 43	10 7	18 26	5 8
S 25	17 30	24 41	2 55	14 28	3 44	17 54	5 40	23 34	0 15	3 39	1 11	20 8	1 38	21 17	0 33	20 14	1 29	21 2	15 26	12 36	12 42	10 10	18 26	5 8
S 26	17 14	27 8	3 48	14 45	3 45	17 58	5 35	23 37	0 15	3 34	1 11	20 9	1 38	21 17	0 33	20 14	1 29	21 2	15 26	12 34	12 41	10 13	18 25	5 8
M27	16 56	27 54	4 28	15 3	3 44	18 3	5 30	23 40	0 16	3 29	1 11	20 10	1 38	21 16	0 33	20 14	1 29	21 1	15 26	12 32	12 40	10 17	18 25	5 9
T 28	16 39	26 59	4 53	15 22	3 40	18 7	5 25	23 43	0 17	3 23	1 11	20 10	1 39	21 15	0 33	20 14	1 29	21 0	15 25	12 28	12 39	10 20	18 25	5 9
W29	16 21	24 31	5 1	15 42	3 34	18 12	5 20	23 46	0 18	3 18	1 11	20 11	1 39	21 15	0 33	20 14	1 29	21 0	15 25	12 24	12 38	10 23	18 24	5 9
T 30	16 3	20 48	4 52	16 1	3 27	18 16	5 14	23 48	0 19	3 13	1 11	20 11	1 39	21 14	0 33	20 14	1 29	20 59	15 25	12 19	12 36	10 26	18 24	5 10
F 31	15s45	16s10	4s29	16s19	3n18	18s20	5n 9	23s50	0s20	3s 8	1s11	20s12	1n39	21s13	0s33	20n14	1s29	20s58	15s25	12n15	12n35	10n29	18s23	5n10

Julian Day Number = 2113336.5, Delta T = 19m11s
Ecliptic obliquity = 23°33'40, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°49'55, Lahiri = 10°56'55 Julian Calendar 1 Jan. 1074 == Greg. Calendar 7 Jan. 1074

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1074
geocentric

FEBRUARY 1074 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 6 57	18♒15'00	11♓21	2°R34	5♑12	27♐ 2	25♓ 5	8♐30	27♑57	7°R37	12♓47	1°R52	2♉59	28♈20	1♑ 1	S 1
S 2	9 10 54	19°15'27	23°42	2♒ 4	5°55	27°45	25°18	8°33	28° 0	7♊37	12°48	1♉43	2°56	28°27	1° 5	S 2
M 3	9 14 50	20°15'52	5♈48	1°41	6°38	28°28	25°32	8°37	28° 4	7°37	12°50	1°37	2°53	28°33	1°10	M 3
T 4	9 18 47	21°16'15	17°44	1°26	7°22	29°12	25°45	8°41	28° 7	7°37	12°51	1°34	2°50	28°40	1°15	T 4
W 5	9 22 43	22°16'36	29°33	1°18	8° 8	29°55	25°58	8°44	28°10	7°36	12°52	1°D33	2°47	28°47	1°19	W 5
T 6	9 26 40	23°16'55	11♉20	1°D17	8°54	0♑38	26°11	8°48	28°14	7°36	12°54	1°34	2°44	28°53	1°24	T 6
F 7	9 30 36	24°17'12	23°10	1°22	9°41	1°21	26°25	8°51	28°17	7°36	12°55	1°R34	2°40	29° 0	1°28	F 7
S 8	9 34 33	25°17'27	5♊10	1°33	10°29	2° 5	26°38	8°54	28°20	7°36	12°57	1°33	2°37	29° 6	1°33	S 8
S 9	9 38 30	26°17'39	17°23	1°51	11°18	2°48	26°51	8°57	28°23	7°36	12°58	1°31	2°34	29°13	1°37	S 9
M10	9 42 26	27°17'50	29°56	2°14	12° 7	3°31	27° 5	9° 0	28°27	7°36	13° 0	1°26	2°31	29°20	1°41	M10
T 11	9 46 23	28°17'59	12♋52	2°41	12°58	4°15	27°19	9° 3	28°30	7°D36	13° 1	1°19	2°28	29°26	1°46	T 11
W12	9 50 19	29°18'06	26°12	3°14	13°49	4°58	27°32	9° 6	28°33	7°36	13° 3	1°11	2°24	29°33	1°50	W12
T 13	9 54 16	0♓18'10	9♌58	3°51	14°41	5°42	27°46	9° 9	28°36	7°36	13° 4	1° 0	2°21	29°40	1°54	T 13
F 14	9 58 12	1°18'13	24° 5	4°32	15°33	6°25	27°59	9°12	28°39	7°36	13° 6	0°50	2°18	29°46	1°58	F 14
S 15	10 2 9	2°18'14	8♍31	5°17	16°26	7° 9	28°13	9°14	28°42	7°36	13° 7	0°41	2°15	29°53	2° 2	S 15
S 16	10 6 5	3°18'12	23° 7	6° 6	17°20	7°52	28°27	9°17	28°45	7°36	13° 9	0°34	2°12	29°59	2° 6	S 16
M17	10 10 2	4°18'09	7♎47	6°58	18°14	8°36	28°41	9°19	28°48	7°37	13°10	0°30	2° 9	0♉ 6	2°10	M17
T 18	10 13 59	5°18'04	22°24	7°53	19° 9	9°19	28°55	9°22	28°51	7°37	13°12	0°28	2° 5	0°13	2°13	T 18
W19	10 17 55	6°17'57	6♏53	8°51	20° 4	10° 3	29° 9	9°24	28°54	7°37	13°13	0°D27	2° 2	0°20	2°17	W19
T 20	10 21 52	7°17'49	21°11	9°51	21° 0	10°46	29°22	9°26	28°57	7°37	13°15	0°28	1°59	0°26	2°21	T 20
F 21	10 25 48	8°17'39	5♐15	10°54	21°57	11°30	29°36	9°28	29° 0	7°38	13°17	0°R29	1°56	0°33	2°24	F 21
S 22	10 29 45	9°17'27	19° 5	12° 0	22°54	12°14	29°50	9°30	29° 3	7°38	13°18	0°29	1°53	0°40	2°28	S 22
S 23	10 33 41	10°17'14	2♑42	13° 8	23°51	12°57	0♈ 4	9°32	29° 6	7°38	13°20	0°26	1°49	0°46	2°31	S 23
M24	10 37 38	11°16'59	16° 5	14°18	24°49	13°41	0°19	9°34	29° 9	7°39	13°21	0°22	1°46	0°53	2°35	M24
T 25	10 41 34	12°16'42	29°15	15°30	25°47	14°25	0°33	9°36	29°11	7°39	13°23	0°15	1°43	0°59	2°38	T 25
W26	10 45 31	13°16'23	12♒13	16°44	26°46	15° 8	0°47	9°37	29°14	7°40	13°24	0° 7	1°40	1° 6	2°41	W26
T 27	10 49 28	14°16'02	24°58	18° 0	27°45	15°52	1° 1	9°39	29°17	7°40	13°26	29♈59	1°37	1°13	2°44	T 27
F 28	10 53 24	15♓15'40	7♓31	19♒18	28♑45	16♑36	1♈15	9♐40	29♑20	7♊41	13♓27	29♈50	1♉34	1♉19	2♑47	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s26	10s56	3s53	16s38	3n 8	18s25	5n 3	23s52	0s21	3s 2	1s11	20s12	1n39	21s13	0s33	20n14	1s29	20s58	15s25	12n11	12n34	10n33	18s23	5n11
S 2	15 7	5 22	3 7	16 55	2 57	18 29	4 58	23 54	0 21	2 57	1 10	20 13	1 39	21 12	0 33	20 14	1 29	20 57	15 25	12 8	12 33	10 36	18 22	5 11
M 3	14 48	0n17	2 12	17 11	2 46	18 32	4 52	23 55	0 22	2 52	1 10	20 13	1 39	21 11	0 33	20 14	1 29	20 56	15 25	12 6	12 32	10 39	18 22	5 11
T 4	14 29	5 52	1 13	17 27	2 34	18 36	4 46	23 57	0 23	2 46	1 10	20 14	1 39	21 11	0 33	20 14	1 29	20 56	15 25	12 5	12 31	10 42	18 22	5 12
W 5	14 9	11 12	0 11	17 41	2 21	18 39	4 40	23 58	0 24	2 41	1 10	20 14	1 39	21 10	0 33	20 14	1 29	20 55	15 24	12 4	12 30	10 45	18 21	5 12
T 6	13 50	16 8	0n52	17 54	2 8	18 42	4 34	23 59	0 25	2 36	1 10	20 15	1 39	21 9	0 33	20 14	1 29	20 54	15 24	12 5	12 29	10 49	18 21	5 13
F 7	13 30	20 29	1 53	18 5	1 55	18 45	4 28	23 59	0 26	2 30	1 10	20 15	1 40	21 9	0 33	20 14	1 29	20 54	15 24	12 5	12 28	10 52	18 20	5 13
S 8	13 9	24 3	2 49	18 15	1 42	18 48	4 22	23 59	0 27	2 25	1 10	20 15	1 40	21 8	0 33	20 14	1 29	20 53	15 24	12 5	12 27	10 55	18 20	5 13
S 9	12 49	26 36	3 39	18 24	1 29	18 50	4 16	24 0	0 28	2 19	1 10	20 16	1 40	21 7	0 33	20 14	1 29	20 52	15 24	12 4	12 26	10 58	18 19	5 14
M10	12 28	27 54	4 20	18 32	1 16	18 52	4 10	23 59	0 29	2 14	1 10	20 16	1 40	21 7	0 33	20 14	1 28	20 52	15 24	12 2	12 24	11 1	18 19	5 14
T 11	12 8	27 43	4 49	18 38	1 4	18 53	4 3	23 59	0 29	2 8	1 9	20 17	1 40	21 6	0 33	20 14	1 28	20 51	15 24	12 0	12 23	11 5	18 18	5 15
W12	11 47	25 58	5 3	18 42	0 51	18 55	3 57	23 58	0 30	2 3	1 9	20 17	1 40	21 6	0 33	20 14	1 28	20 50	15 24	11 57	12 22	11 8	18 18	5 15
T 13	11 25	22 39	5 0	18 45	0 39	18 55	3 51	23 58	0 31	1 57	1 9	20 17	1 40	21 5	0 33	20 14	1 28	20 50	15 24	11 53	12 21	11 11	18 17	5 16
F 14	11 4	17 57	4 40	18 47	0 27	18 56	3 45	23 56	0 32	1 52	1 9	20 17	1 40	21 4	0 33	20 14	1 28	20 49	15 24	11 49	12 20	11 14	18 17	5 16
S 15	10 42	12 8	4 1	18 47	0 16	18 56	3 38	23 55	0 33	1 46	1 9	20 18	1 40	21 4	0 33	20 14	1 28	20 48	15 24	11 46	12 19	11 17	18 16	5 17
S 16	10 21	5 35	3 6	18 46	0 5	18 56	3 32	23 54	0 34	1 40	1 9	20 18	1 40	21 3	0 33	20 14	1 28	20 48	15 24	11 44	12 18	11 21	18 16	5 17
M17	9 59	1s17	1 58	18 44	0s 6	18 55	3 26	23 52	0 35	1 35	1 9	20 18	1 41	21 3	0 33	20 15	1 28	20 47	15 24	11 42	12 17	11 24	18 15	5 18
T 18	9 37	8 6	0 43	18 40	0 17	18 54	3 19	23 50	0 36	1 29	1 9	20 19	1 41	21 2	0 33	20 15	1 28	20 46	15 24	11 41	12 16	11 27	18 15	5 18
W19	9 15	14 26	0s35	18 34	0 27	18 52	3 13	23 48	0 37	1 24	1 9	20 19	1 41	21 1	0 33	20 15	1 28	20 46	15 23	11 41	12 15	11 30	18 14	5 19
T 20	8 53	19 54	1 49	18 27	0 36	18 50	3 7	23 45	0 38	1 18	1 9	20 19	1 41	21 1	0 33	20 15	1 28	20 45	15 23	11 42	12 13	11 33	18 13	5 19
F 21	8 30	24 10	2 56	18 19	0 46	18 48	3 0	23 42	0 39	1 12	1 9	20 19	1 41	21 0	0 33	20 15	1 28	20 45	15 23	11 42	12 12	11 36	18 13	5 19
S 22	8 8	26 57	3 51	18 9	0 54	18 45	2 54	23 39	0 40	1 7	1 9	20 19	1 41	21 0	0 33	20 15	1 28	20 44	15 23	11 42	12 11	11 40	18 12	5 20
S 23	7 45	28 4	4 32	17 58	1 3	18 41	2 48	23 36	0 41	1 1	1 8	20 20	1 41	20 59	0 33	20 15	1 28	20 43	15 23	11 41	12 10	11 43	18 12	5 20
M24	7 22	27 31	4 58	17 45	1 11	18 37	2 42	23 33	0 42	0 55	1 8	20 20	1 41	20 58	0 33	20 15	1 28	20 43	15 23	11 39	12 9	11 46	18 11	5 21
T 25	6 59	25 25	5 7	17 31	1 18	18 33	2 35	23 29	0 43	0 50	1 8	20 20	1 41	20 58	0 33	20 15	1 28	20 42	15 23	11 37	12 8	11 49	18 11	5 21
W26	6 36	22 2	5 1	17 16	1 26	18 28	2 29	23 25	0 44	0 44	1 8	20 20	1 42	20 57	0 33	20 16	1 28	20 42	15 23	11 34	12 7	11 52	18 10	5 22
T 27	6 13	17 39	4 39	16 59	1 32	18 23	2 23	23 21	0 45	0 38	1 8	20 20	1 42	20 57	0 33	20 16	1 27	20 41	15 23	11 31	12 6	11 55	18 10	5 23
F 28	5s50	12s34	4s 4	16s40	1s39	18s17	2n17	23s17	0s46	0s32	1s 8	20s20	1n42	20s56	0s33	20n16	1s27	20s40	15s23	11n28	12n 5	11n58	18s 9	5n23

Julian Day Number = 2113367.5, Delta T = 19m10s
Ecliptic obliquity = 23°33'41, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°49'59, Lahiri = 10°57'00 Julian Calendar 1 Feb. 1074 == Greg. Calendar 7 Feb. 1074

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1074
geocentric

MARCH 1074 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 57 21	16♓15'15	19♓51	20♒37	29♑45	17♑20	1♈29	9♐41	29♑22	7♊42	13♓29	29°R43	1♉30	1♉26	2♑50	S 1
S 2	11 1 17	17°14'48	2♈ 1	21°59	0♒45	18° 3	1°44	9°43	29°25	7°42	13°30	29♈38	1°27	1°33	2°53	S 2
M 3	11 5 14	18°14'19	14° 0	23°21	1°46	18°47	1°58	9°44	29°28	7°43	13°32	29°34	1°24	1°39	2°56	M 3
T 4	11 9 10	19°13'47	25°53	24°46	2°47	19°31	2°12	9°45	29°30	7°44	13°33	29°D33	1°21	1°46	2°59	T 4
W 5	11 13 7	20°13'14	7♉40	26°12	3°48	20°15	2°26	9°46	29°33	7°44	13°35	29°33	1°18	1°53	3° 1	W 5
T 6	11 17 3	21°12'38	19°27	27°39	4°50	20°59	2°41	9°46	29°35	7°45	13°36	29°35	1°15	1°59	3° 4	T 6
F 7	11 21 0	22°12'00	1♊17	29° 8	5°51	21°42	2°55	9°47	29°38	7°46	13°38	29°36	1°11	2° 6	3° 7	F 7
S 8	11 24 57	23°11'20	13°15	0♓38	6°54	22°26	3° 9	9°48	29°40	7°47	13°39	29°38	1° 8	2°13	3° 9	S 8
S 9	11 28 53	24°10'38	25°27	2°10	7°56	23°10	3°24	9°48	29°42	7°48	13°41	29°R38	1° 5	2°19	3°11	S 9
M10	11 32 50	25° 9'53	7♋57	3°44	8°59	23°54	3°38	9°48	29°45	7°48	13°43	29°37	1° 2	2°26	3°14	M10
T 11	11 36 46	26° 9'05	20°50	5°18	10° 2	24°38	3°53	9°49	29°47	7°49	13°44	29°35	0°59	2°32	3°16	T 11
W12	11 40 43	27° 8'16	4♌ 9	6°54	11° 5	25°22	4° 7	9°49	29°49	7°50	13°46	29°31	0°55	2°39	3°18	W12
T 13	11 44 39	28° 7'24	17°55	8°32	12° 9	26° 6	4°21	9°R49	29°52	7°51	13°47	29°27	0°52	2°46	3°20	T 13
F 14	11 48 36	29° 6'29	2♍ 8	10°11	13°12	26°50	4°36	9°49	29°54	7°52	13°49	29°22	0°49	2°52	3°22	F 14
S 15	11 52 32	0♈ 5'33	16°44	11°51	14°16	27°33	4°50	9°49	29°56	7°53	13°50	29°18	0°46	2°59	3°24	S 15
S 16	11 56 29	1° 4'34	1♎36	13°33	15°20	28°17	5° 5	9°49	29°58	7°55	13°52	29°15	0°43	3° 6	3°26	S 16
M17	12 0 25	2° 3'33	16°37	15°17	16°25	29° 1	5°19	9°48	0♒ 0	7°56	13°53	29°13	0°40	3°12	3°27	M17
T 18	12 4 22	3° 2'30	1♏38	17° 1	17°30	29°45	5°34	9°48	0° 2	7°57	13°54	29°D12	0°36	3°19	3°29	T 18
W19	12 8 19	4° 1'26	16°30	18°48	18°34	0♒29	5°48	9°48	0° 4	7°58	13°56	29°13	0°33	3°26	3°30	W19
T 20	12 12 15	5° 0'19	1♐ 8	20°35	19°39	1°13	6° 3	9°47	0° 6	7°59	13°57	29°14	0°30	3°32	3°32	T 20
F 21	12 16 12	5°59'11	15°27	22°25	20°45	1°57	6°17	9°46	0° 8	8° 0	13°59	29°16	0°27	3°39	3°33	F 21
S 22	12 20 8	6°58'01	29°24	24°15	21°50	2°41	6°31	9°46	0°10	8° 2	14° 0	29°17	0°24	3°46	3°35	S 22
S 23	12 24 5	7°56'49	13♑ 1	26° 8	22°56	3°25	6°46	9°45	0°12	8° 3	14° 2	29°R17	0°21	3°52	3°36	S 23
M24	12 28 1	8°55'36	26°17	28° 1	24° 2	4° 9	7° 0	9°44	0°14	8° 4	14° 3	29°16	0°17	3°59	3°37	M24
T 25	12 31 58	9°54'21	9♒15	29°56	25° 8	4°53	7°15	9°43	0°15	8° 6	14° 5	29°14	0°14	4° 6	3°38	T 25
W26	12 35 54	10°53'04	21°57	1♈53	26°14	5°37	7°29	9°41	0°17	8° 7	14° 6	29°12	0°11	4°12	3°39	W26
T 27	12 39 51	11°51'45	4♓25	3°51	27°20	6°21	7°44	9°40	0°19	8° 8	14° 7	29° 9	0° 8	4°19	3°40	T 27
F 28	12 43 48	12°50'24	16°41	5°51	28°27	7° 5	7°58	9°39	0°20	8°10	14° 9	29° 6	0° 5	4°25	3°40	F 28
S 29	12 47 44	13°49'02	28°47	7°52	29°33	7°49	8°12	9°37	0°22	8°11	14°10	29° 4	0° 1	4°32	3°41	S 29
S 30	12 51 41	14°47'37	10♈45	9°54	0♓40	8°33	8°27	9°36	0°23	8°13	14°11	29° 3	29♈58	4°39	3°42	S 30
M31	12 55 37	15♈46'11	22♈37	11♈58	1♓47	9♒17	8♈41	9♐34	0♒25	8♊14	14♓13	29♈ 2	29♈55	4♉45	3♑42	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s27	7s 4	3s18	16s20	1s45	18s11	2n11	23s12	0s47	0s27	1s 8	20s20	1n42	20s56	0s33	20n16	1s27	20s40	15s23	11n26	12n 3	12n 2	18s 8	5n24
S 2	5 4	1 24	2 24	15 59	1 50	18 4	2 4	23 7	0 48	0 21	1 8	20 20	1 42	20 55	0 33	20 16	1 27	20 39	15 24	11 24	12 2	12 5	18 8	5 24
M 3	4 40	4n16	1 23	15 37	1 55	17 57	1 58	23 2	0 49	0 15	1 8	20 20	1 42	20 55	0 33	20 16	1 27	20 39	15 24	11 23	12 1	12 8	18 7	5 25
T 4	4 17	9 44	0 20	15 13	2 0	17 49	1 52	22 57	0 50	0 9	1 8	20 20	1 42	20 54	0 33	20 17	1 27	20 38	15 24	11 22	12 0	12 11	18 7	5 25
W 5	3 54	14 50	0n44	14 47	2 4	17 41	1 46	22 52	0 51	0 4	1 8	20 20	1 42	20 54	0 33	20 17	1 27	20 38	15 24	11 22	11 59	12 14	18 6	5 26
T 6	3 30	19 23	1 46	14 21	2 8	17 32	1 41	22 46	0 52	0n 2	1 8	20 20	1 42	20 53	0 33	20 17	1 27	20 37	15 24	11 23	11 58	12 17	18 5	5 26
F 7	3 7	23 12	2 44	13 53	2 11	17 22	1 35	22 40	0 53	0 8	1 8	20 20	1 43	20 53	0 33	20 17	1 27	20 36	15 24	11 23	11 57	12 20	18 5	5 27
S 8	2 43	26 5	3 36	13 23	2 14	17 13	1 29	22 34	0 54	0 14	1 8	20 20	1 43	20 52	0 33	20 17	1 27	20 36	15 24	11 24	11 56	12 24	18 4	5 27
S 9	2 19	27 48	4 19	12 52	2 16	17 2	1 23	22 27	0 55	0 19	1 8	20 20	1 43	20 52	0 33	20 17	1 27	20 35	15 24	11 24	11 55	12 27	18 4	5 28
M10	1 56	28 9	4 51	12 20	2 18	16 52	1 17	22 21	0 56	0 25	1 8	20 20	1 43	20 51	0 33	20 18	1 27	20 35	15 24	11 24	11 53	12 30	18 3	5 28
T 11	1 32	27 1	5 9	11 46	2 19	16 40	1 12	22 14	0 57	0 31	1 8	20 20	1 43	20 51	0 34	20 18	1 27	20 34	15 24	11 23	11 52	12 33	18 2	5 29
W12	1 9	24 21	5 12	11 11	2 20	16 29	1 6	22 7	0 58	0 37	1 8	20 20	1 43	20 50	0 34	20 18	1 27	20 34	15 24	11 22	11 51	12 36	18 2	5 29
T 13	0 45	20 14	4 57	10 35	2 21	16 16	1 1	22 0	0 59	0 42	1 8	20 20	1 43	20 50	0 34	20 18	1 27	20 33	15 24	11 20	11 50	12 39	18 1	5 30
F 14	0 21	14 51	4 23	9 58	2 21	16 4	0 55	21 53	1 0	0 48	1 8	20 20	1 43	20 49	0 34	20 19	1 27	20 33	15 24	11 18	11 49	12 42	18 1	5 31
S 15	0n 2	8 31	3 32	9 19	2 20	15 50	0 50	21 45	1 1	0 54	1 8	20 20	1 43	20 49	0 34	20 19	1 27	20 32	15 24	11 17	11 48	12 45	18 0	5 31
S 16	0 26	1 35	2 26	8 38	2 19	15 37	0 44	21 37	1 2	1 0	1 7	20 20	1 44	20 49	0 34	20 19	1 27	20 32	15 25	11 16	11 47	12 49	17 59	5 32
M17	0 49	5s31	1 9	7 57	2 18	15 23	0 39	21 29	1 3	1 6	1 7	20 20	1 44	20 48	0 34	20 19	1 27	20 31	15 25	11 15	11 46	12 52	17 59	5 32
T 18	1 13	12 19	0s13	7 14	2 16	15 8	0 34	21 21	1 4	1 11	1 7	20 19	1 44	20 48	0 34	20 19	1 26	20 31	15 25	11 15	11 45	12 55	17 58	5 33
W19	1 36	18 21	1 34	6 30	2 13	14 53	0 29	21 12	1 5	1 17	1 7	20 19	1 44	20 47	0 34	20 20	1 26	20 30	15 25	11 15	11 43	12 58	17 58	5 33
T 20	2 0	23 13	2 47	5 45	2 10	14 37	0 24	21 4	1 6	1 23	1 7	20 19	1 44	20 47	0 34	20 20	1 26	20 30	15 25	11 16	11 42	13 1	17 57	5 34
F 21	2 23	26 32	3 48	4 58	2 7	14 21	0 19	20 55	1 7	1 29	1 7	20 19	1 44	20 47	0 34	20 20	1 26	20 30	15 25	11 16	11 41	13 4	17 56	5 35
S 22	2 47	28 7	4 34	4 10	2 3	14 5	0 14	20 46	1 8	1 34	1 7	20 19	1 44	20 46	0 34	20 20	1 26	20 29	15 25	11 16	11 40	13 7	17 56	5 35
S 23	3 10	27 57	5 3	3 21	1 58	13 48	0 9	20 37	1 9	1 40	1 7	20 18	1 44	20 46	0 34	20 21	1 26	20 29	15 26	11 16	11 39	13 10	17 55	5 36
M24	3 33	26 9	5 15	2 31	1 53	13 31	0 4	20 27	1 10	1 46	1 7	20 18	1 44	20 45	0 34	20 21	1 26	20 28	15 26	11 16	11 38	13 13	17 55	5 36
T 25	3 57	23 1	5 11	1 40	1 48	13 13	0s 1	20 18	1 11	1 52	1 7	20 18	1 44	20 45	0 34	20 21	1 26	20 28	15 26	11 16	11 37	13 16	17 54	5 37
W26	4 20	18 51	4 51	0 48	1 42	12 55	0 5	20 8	1 12	1 57	1 7	20 18	1 45	20 45	0 34	20 21	1 26	20 27	15 26	11 15	11 36	13 20	17 53	5 37
T 27	4 43	13 56	4 18	0n 5	1 35	12 37	0 10	19 58	1 13	2 3	1 7	20 17	1 45	20 44	0 34	20 22	1 26	20 27	15 26	11 14	11 35	13 23	17 53	5 38
F 28	5 6	8 33	3 33	0 59	1 28	12 18	0 14	19 48	1 14	2 9	1 7	20 17	1 45	20 44	0 34	20 22	1 26	20 27	15 26	11 13	11 33	13 26	17 52	5 39
S 29	5 29	2 56	2 40	1 54	1 20	11 58	0 18	19 37	1 15	2 14	1 7	20 17	1 45	20 44	0 34	20 22	1 26	20 26	15 27	11 12	11 32	13 29	17 52	5 39
S 30	5 51	2n45	1 40	2 50	1 12	11 39	0 23	19 27	1 16	2 20	1 7	20 16	1 45	20 44	0 34	20 23	1 26	20 26	15 27	11 11	11 31	13 32	17 51	5 40
M31	6n14	8n18	0s35	3n47	1s 4	11s19	0s27	19s16	1s18	2n26	1s 7	20s16	1n45	20s43	0s34	20n23	1s26	20s26	15s27	11n11	11n30	13n35	17s50	5n40

Julian Day Number = 2113395.5, Delta T = 19m10s
Ecliptic obliquity = 23°33'42, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°50'03, Lahiri = 10°57'03 Julian Calendar 1 March 1074 == Greg. Calendar 7 March 1074

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1074
geocentric

APRIL 1074 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 59 34	16♈44'42	4♉26	14♈ 3	2♓54	10♒ 1	8♈56	9°R32	0♒26	8♊16	14♓14	29°D 2	29♈52	4♉52	3♋43	T 1
W 2	13 3 30	17°43'12	16°13	16° 9	4° 1	10°45	9°10	9♐31	0°28	8°17	14°15	29♈ 3	29°49	4°59	3°43	W 2
T 3	13 7 27	18°41'40	28° 1	18°16	5° 8	11°29	9°24	9°29	0°29	8°19	14°17	29° 3	29°46	5° 5	3°43	T 3
F 4	13 11 23	19°40'05	9♊53	20°23	6°16	12°13	9°39	9°27	0°30	8°20	14°18	29° 4	29°42	5°12	3°43	F 4
S 5	13 15 20	20°38'29	21°53	22°32	7°23	12°57	9°53	9°25	0°31	8°22	14°19	29° 5	29°39	5°19	3°44	S 5
S 6	13 19 17	21°36'50	4♋ 6	24°40	8°31	13°41	10° 7	9°22	0°33	8°24	14°21	29° 6	29°36	5°25	3°R44	S 6
M 7	13 23 13	22°35'10	16°34	26°49	9°39	14°25	10°22	9°20	0°34	8°25	14°22	29° 6	29°33	5°32	3°43	M 7
T 8	13 27 10	23°33'27	29°23	28°57	10°46	15° 9	10°36	9°18	0°35	8°27	14°23	29°R 6	29°30	5°39	3°43	T 8
W 9	13 31 6	24°31'42	12♌36	1♉ 5	11°54	15°52	10°50	9°15	0°36	8°29	14°24	29° 6	29°26	5°45	3°43	W 9
T 10	13 35 3	25°29'55	26°15	3°12	13° 2	16°36	11° 4	9°13	0°37	8°30	14°26	29° 6	29°23	5°52	3°43	T 10
F 11	13 38 59	26°28'06	10♍21	5°19	14°11	17°20	11°18	9°10	0°38	8°32	14°27	29° 5	29°20	5°58	3°42	F 11
S 12	13 42 56	27°26'14	24°52	7°23	15°19	18° 4	11°33	9° 8	0°39	8°34	14°28	29° 5	29°17	6° 5	3°42	S 12
S 13	13 46 52	28°24'21	9♎45	9°27	16°27	18°48	11°47	9° 5	0°40	8°36	14°29	29° 5	29°14	6°12	3°41	S 13
M14	13 50 49	29°22'26	24°52	11°28	17°36	19°32	12° 1	9° 2	0°40	8°37	14°30	29° 5	29°11	6°18	3°41	M14
T 15	13 54 46	0♉20'30	10♏ 4	13°27	18°44	20°15	12°15	8°59	0°41	8°39	14°31	29° 5	29° 7	6°25	3°40	T 15
W16	13 58 42	1°18'31	25°12	15°24	19°53	20°59	12°29	8°56	0°42	8°41	14°33	29° 5	29° 4	6°32	3°39	W16
T 17	14 2 39	2°16'32	10♐ 8	17°18	21° 2	21°43	12°43	8°53	0°42	8°43	14°34	29° 5	29° 1	6°38	3°38	T 17
F 18	14 6 35	3°14'30	24°43	19° 9	22°10	22°27	12°57	8°50	0°43	8°45	14°35	29° 4	28°58	6°45	3°37	F 18
S 19	14 10 32	4°12'28	8♑54	20°57	23°19	23°11	13°11	8°47	0°44	8°47	14°36	29° 4	28°55	6°52	3°36	S 19
S 20	14 14 28	5°10'24	22°39	22°42	24°28	23°54	13°25	8°44	0°44	8°49	14°37	29° 4	28°52	6°58	3°35	S 20
M21	14 18 25	6° 8'19	5♒58	24°24	25°37	24°38	13°39	8°40	0°45	8°51	14°38	29°D 3	28°48	7° 5	3°34	M21
T 22	14 22 21	7° 6'12	18°54	26° 2	26°47	25°22	13°52	8°37	0°45	8°53	14°39	29° 4	28°45	7°12	3°32	T 22
W23	14 26 18	8° 4'04	1♓29	27°37	27°56	26° 5	14° 6	8°34	0°45	8°55	14°40	29° 4	28°42	7°18	3°31	W23
T 24	14 30 15	9° 1'55	13°47	29° 8	29° 5	26°49	14°20	8°30	0°46	8°57	14°41	29° 5	28°39	7°25	3°29	T 24
F 25	14 34 11	9°59'45	25°53	0♊36	0♈15	27°32	14°34	8°26	0°46	8°59	14°42	29° 6	28°36	7°32	3°28	F 25
S 26	14 38 8	10°57'33	7♈49	2° 0	1°24	28°16	14°47	8°23	0°46	9° 1	14°43	29° 7	28°32	7°38	3°26	S 26
S 27	14 42 4	11°55'20	19°40	3°20	2°34	29° 0	15° 1	8°19	0°46	9° 3	14°44	29° 8	28°29	7°45	3°25	S 27
M28	14 46 1	12°53'05	1♉27	4°37	3°43	29°43	15°15	8°15	0°46	9° 5	14°45	29°R 8	28°26	7°51	3°23	M28
T 29	14 49 57	13°50'49	13°14	5°49	4°53	0♓27	15°28	8°12	0°46	9° 7	14°46	29° 7	28°23	7°58	3°21	T 29
W30	14 53 54	14♉48'32	25♉ 3	6♊58	6♈ 3	1♓10	15♈42	8♐ 8	0°R46	9♊ 9	14♓47	29♈ 6	28♈20	8♉ 5	3♋19	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n37	13n32	0n30	4n44	0s55	10s58	0s31	19s 5	1s19	2n32	1s 7	20s16	1n45	20s43	0s34	20n23	1s26	20s25	15s27	11n11	11n29	13n38	17s50	5n41
W 2	6 59	18 16	1 34	5 41	0 46	10 38	0 35	18 54	1 20	2 37	1 7	20 15	1 45	20 43	0 34	20 23	1 26	20 25	15 27	11 11	11 28	13 41	17 49	5 41
T 3	7 22	22 19	2 34	6 39	0 36	10 17	0 39	18 43	1 21	2 43	1 7	20 15	1 45	20 42	0 34	20 24	1 26	20 25	15 28	11 12	11 27	13 44	17 49	5 42
F 4	7 44	25 28	3 28	7 36	0 26	9 55	0 43	18 32	1 22	2 48	1 7	20 15	1 45	20 42	0 34	20 24	1 26	20 24	15 28	11 12	11 26	13 47	17 48	5 43
S 5	8 6	27 31	4 13	8 34	0 16	9 33	0 46	18 20	1 23	2 54	1 7	20 14	1 45	20 42	0 34	20 24	1 26	20 24	15 28	11 12	11 24	13 50	17 48	5 43
S 6	8 28	28 18	4 48	9 32	0 5	9 11	0 50	18 9	1 24	3 0	1 7	20 14	1 45	20 42	0 34	20 25	1 26	20 24	15 28	11 13	11 23	13 53	17 47	5 44
M 7	8 50	27 39	5 10	10 29	0n 6	8 49	0 53	17 57	1 25	3 5	1 7	20 13	1 46	20 42	0 34	20 25	1 26	20 23	15 28	11 13	11 22	13 56	17 46	5 44
T 8	9 12	25 33	5 18	11 25	0 16	8 26	0 57	17 45	1 26	3 11	1 7	20 13	1 46	20 41	0 34	20 25	1 25	20 23	15 29	11 13	11 21	13 59	17 46	5 45
W 9	9 33	22 3	5 9	12 20	0 27	8 4	1 0	17 33	1 27	3 16	1 7	20 13	1 46	20 41	0 34	20 25	1 25	20 23	15 29	11 13	11 20	14 2	17 45	5 45
T 10	9 55	17 16	4 43	13 14	0 38	7 40	1 4	17 20	1 28	3 22	1 8	20 12	1 46	20 41	0 34	20 26	1 25	20 23	15 29	11 13	11 19	14 6	17 45	5 46
F 11	10 16	11 25	3 59	14 7	0 49	7 17	1 7	17 8	1 29	3 28	1 8	20 12	1 46	20 41	0 35	20 26	1 25	20 22	15 29	11 12	11 18	14 9	17 44	5 46
S 12	10 37	4 47	2 59	14 59	0 59	6 53	1 10	16 55	1 30	3 33	1 8	20 11	1 46	20 41	0 35	20 26	1 25	20 22	15 30	11 12	11 16	14 12	17 44	5 47
S 13	10 58	2s16	1 46	15 48	1 9	6 29	1 13	16 43	1 31	3 39	1 8	20 11	1 46	20 40	0 35	20 27	1 25	20 22	15 30	11 12	11 15	14 15	17 43	5 48
M14	11 18	9 19	0 23	16 36	1 19	6 5	1 16	16 30	1 32	3 44	1 8	20 10	1 46	20 40	0 35	20 27	1 25	20 22	15 30	11 12	11 14	14 18	17 43	5 48
T 15	11 39	15 52	1s 1	17 21	1 28	5 41	1 18	16 17	1 33	3 50	1 8	20 10	1 46	20 40	0 35	20 27	1 25	20 21	15 30	11 12	11 13	14 21	17 42	5 49
W16	11 59	21 26	2 20	18 5	1 37	5 16	1 21	16 4	1 34	3 55	1 8	20 9	1 46	20 40	0 35	20 28	1 25	20 21	15 31	11 12	11 12	14 24	17 42	5 49
T 17	12 19	25 32	3 29	18 46	1 45	4 51	1 24	15 51	1 36	4 0	1 8	20 9	1 46	20 40	0 35	20 28	1 25	20 21	15 31	11 12	11 11	14 27	17 41	5 50
F 18	12 39	27 50	4 22	19 24	1 53	4 26	1 26	15 37	1 37	4 6	1 8	20 8	1 46	20 40	0 35	20 28	1 25	20 21	15 31	11 12	11 10	14 30	17 41	5 50
S 19	12 59	28 13	4 58	20 1	2 0	4 1	1 28	15 24	1 38	4 11	1 8	20 8	1 46	20 40	0 35	20 29	1 25	20 21	15 32	11 12	11 9	14 33	17 40	5 51
S 20	13 19	26 50	5 16	20 34	2 6	3 36	1 31	15 10	1 39	4 17	1 8	20 7	1 46	20 40	0 35	20 29	1 25	20 20	15 32	11 12	11 7	14 36	17 39	5 51
M21	13 38	23 58	5 15	21 6	2 12	3 10	1 33	14 57	1 40	4 22	1 8	20 7	1 46	20 40	0 35	20 29	1 25	20 20	15 32	11 12	11 6	14 39	17 39	5 52
T 22	13 57	19 58	4 59	21 34	2 17	2 44	1 35	14 43	1 41	4 27	1 8	20 6	1 46	20 40	0 35	20 30	1 25	20 20	15 32	11 12	11 5	14 42	17 39	5 52
W23	14 16	15 11	4 28	22 1	2 21	2 19	1 37	14 29	1 42	4 33	1 8	20 6	1 46	20 40	0 35	20 30	1 25	20 20	15 33	11 12	11 4	14 45	17 38	5 53
T 24	14 35	9 53	3 46	22 24	2 24	1 53	1 39	14 15	1 43	4 38	1 8	20 5	1 46	20 40	0 35	20 30	1 25	20 20	15 33	11 12	11 3	14 48	17 38	5 53
F 25	14 53	4 19	2 54	22 46	2 26	1 26	1 41	14 1	1 44	4 43	1 8	20 4	1 46	20 40	0 35	20 31	1 25	20 20	15 33	11 13	11 2	14 51	17 37	5 54
S 26	15 11	1n21	1 56	23 5	2 28	1 0	1 42	13 47	1 45	4 49	1 8	20 4	1 46	20 40	0 35	20 31	1 25	20 20	15 34	11 13	11 1	14 54	17 37	5 55
S 27	15 29	6 55	0 52	23 21	2 28	0 34	1 44	13 32	1 46	4 54	1 8	20 3	1 47	20 40	0 35	20 31	1 25	20 20	15 34	11 13	10 59	14 57	17 36	5 55
M28	15 47	12 14	0n13	23 36	2 28	0 8	1 46	13 18	1 47	4 59	1 8	20 3	1 47	20 40	0 35	20 32	1 25	20 19	15 34	11 13	10 58	15 0	17 36	5 56
T 29	16 5	17 7	1 17	23 48	2 27	0n19	1 47	13 3	1 48	5 4	1 8	20 2	1 47	20 40	0 35	20 32	1 25	20 19	15 35	11 13	10 57	15 3	17 35	5 56
W30	16n22	21n22	2n19	23n58	2n25	0n45	1s48	12s49	1s49	5n 9	1s 8	20s 1	1n47	20s40	0s35	20n32	1s25	20s19	15s35	11n13	10n56	15n 6	17s35	5n57

Julian Day Number = 2113426.5, Delta T = 19m10s
Ecliptic obliquity = 23°33'42, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°50'07, Lahiri = 10°57'08 Julian Calendar 1 Apr. 1074 == Greg. Calendar 7 Apr. 1074

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1074
geocentric

MAY 1074 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 57 50	15♉46'14	6♊55	8♊ 3	7♈12	1♓53	15♈55	8°R 4	0°R46	9♊11	14♓48	29°R 4	28♈17	8♉11	3°R17	T 1
F 2	15 1 47	16°43'54	18°54	9° 4	8°22	2°37	16° 8	8♐ 0	0♒46	9°13	14°48	29♈ 2	28°13	8°18	3♂15	F 2
S 3	15 5 44	17°41'33	1♋ 2	10° 1	9°32	3°20	16°22	7°56	0°46	9°15	14°49	28°59	28°10	8°25	3°13	S 3
S 4	15 9 40	18°39'10	13°20	10°54	10°42	4° 3	16°35	7°52	0°46	9°17	14°50	28°56	28° 7	8°31	3°11	S 4
M 5	15 13 37	19°36'46	25°53	11°42	11°52	4°46	16°48	7°48	0°46	9°19	14°51	28°54	28° 4	8°38	3° 8	M 5
T 6	15 17 33	20°34'20	8♌42	12°26	13° 2	5°29	17° 2	7°44	0°45	9°21	14°52	28°52	28° 1	8°45	3° 6	T 6
W 7	15 21 30	21°31'53	21°50	13° 6	14°12	6°13	17°15	7°40	0°45	9°24	14°52	28°D52	27°58	8°51	3° 4	W 7
T 8	15 25 26	22°29'24	5♍21	13°42	15°23	6°56	17°28	7°35	0°45	9°26	14°53	28°52	27°54	8°58	3° 1	T 8
F 9	15 29 23	23°26'54	19°16	14°13	16°33	7°39	17°41	7°31	0°44	9°28	14°54	28°53	27°51	9° 5	2°59	F 9
S 10	15 33 19	24°24'22	3♎34	14°39	17°43	8°22	17°54	7°27	0°44	9°30	14°54	28°55	27°48	9°11	2°56	S 10
S 11	15 37 16	25°21'49	18°14	15° 1	18°53	9° 4	18° 7	7°23	0°43	9°32	14°55	28°56	27°45	9°18	2°54	S 11
M12	15 41 13	26°19'15	3♏12	15°18	20° 4	9°47	18°19	7°18	0°43	9°34	14°56	28°R56	27°42	9°25	2°51	M12
T 13	15 45 9	27°16'40	18°20	15°31	21°14	10°30	18°32	7°14	0°42	9°37	14°56	28°55	27°38	9°31	2°48	T 13
W14	15 49 6	28°14'04	3♐29	15°39	22°25	11°13	18°45	7°10	0°41	9°39	14°57	28°53	27°35	9°38	2°45	W14
T 15	15 53 2	29°11'27	18°30	15°R42	23°35	11°55	18°57	7° 6	0°41	9°41	14°58	28°49	27°32	9°44	2°42	T 15
F 16	15 56 59	0♊ 8'49	3♂15	15°41	24°46	12°38	19°10	7° 1	0°40	9°43	14°58	28°45	27°29	9°51	2°39	F 16
S 17	16 0 55	1° 6'10	17°36	15°35	25°57	13°21	19°22	6°57	0°39	9°45	14°59	28°40	27°26	9°58	2°37	S 17
S 18	16 4 52	2° 3'31	1♒30	15°25	27° 7	14° 3	19°35	6°52	0°38	9°48	14°59	28°36	27°23	10° 4	2°33	S 18
M19	16 8 48	3° 0'51	14°55	15°11	28°18	14°46	19°47	6°48	0°37	9°50	15° 0	28°34	27°19	10°11	2°30	M19
T 20	16 12 45	3°58'10	27°54	14°53	29°29	15°28	19°59	6°44	0°36	9°52	15° 0	28°32	27°16	10°18	2°27	T 20
W21	16 16 42	4°55'29	10♓29	14°31	0♉40	16°10	20°12	6°39	0°35	9°54	15° 1	28°D32	27°13	10°24	2°24	W21
T 22	16 20 38	5°52'47	22°45	14° 7	1°51	16°52	20°24	6°35	0°34	9°57	15° 1	28°33	27°10	10°31	2°21	T 22
F 23	16 24 35	6°50'05	4♈47	13°39	3° 2	17°35	20°36	6°30	0°33	9°59	15° 1	28°35	27° 7	10°38	2°18	F 23
S 24	16 28 31	7°47'22	16°39	13° 9	4°13	18°17	20°48	6°26	0°32	10° 1	15° 2	28°36	27° 4	10°44	2°14	S 24
S 25	16 32 28	8°44'39	28°26	12°38	5°24	18°59	21° 0	6°21	0°31	10° 3	15° 2	28°R37	27° 0	10°51	2°11	S 25
M26	16 36 24	9°41'56	10♉12	12° 5	6°35	19°41	21°12	6°17	0°30	10° 6	15° 3	28°36	26°57	10°58	2° 8	M26
T 27	16 40 21	10°39'12	22° 1	11°31	7°46	20°22	21°23	6°13	0°29	10° 8	15° 3	28°34	26°54	11° 4	2° 4	T 27
W28	16 44 17	11°36'28	3♊55	10°57	8°57	21° 4	21°35	6° 8	0°27	10°10	15° 3	28°29	26°51	11°11	2° 1	W28
T 29	16 48 14	12°33'43	15°56	10°23	10° 8	21°46	21°46	6° 4	0°26	10°12	15° 3	28°23	26°48	11°18	1°57	T 29
F 30	16 52 11	13°30'58	28° 6	9°51	11°19	22°27	21°58	5°59	0°25	10°15	15° 4	28°15	26°44	11°24	1°54	F 30
S 31	16 56 7	14♊28'12	10♋26	9♊19	12♉31	23♓ 9	22♈ 9	5♐55	0♒23	10♊17	15♓ 4	28♈ 7	26♈41	11♉31	1♂50	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n39	24n46	3n14	24n 6	2n22	1n12	1s49	12s34	1s50	5n14	1s 9	20s 1	1n47	20s40	0s35	20n33	1s25	20s19	15s35	11n12	10n55	15n 9	17s34	5n57
F 2	16 55	27 6	4 2	24 12	2 18	1 39	1 51	12 19	1 51	5 20	1 9	20 0	1 47	20 40	0 35	20 33	1 25	20 19	15 35	11 11	10 54	15 12	17 34	5 57
S 3	17 12	28 12	4 39	24 16	2 13	2 5	1 52	12 5	1 52	5 25	1 9	19 59	1 47	20 40	0 35	20 33	1 25	20 19	15 36	11 10	10 53	15 15	17 33	5 58
S 4	17 28	27 55	5 4	24 18	2 7	2 32	1 53	11 50	1 53	5 30	1 9	19 59	1 47	20 40	0 35	20 34	1 25	20 19	15 36	11 9	10 52	15 18	17 33	5 58
M 5	17 44	26 14	5 15	24 18	2 1	2 59	1 53	11 35	1 54	5 35	1 9	19 58	1 47	20 40	0 35	20 34	1 25	20 19	15 36	11 8	10 50	15 21	17 33	5 59
T 6	17 59	23 10	5 11	24 16	1 53	3 25	1 54	11 20	1 55	5 40	1 9	19 57	1 47	20 40	0 35	20 34	1 25	20 19	15 37	11 8	10 49	15 24	17 32	5 59
W 7	18 14	18 52	4 50	24 13	1 45	3 52	1 55	11 5	1 56	5 45	1 9	19 57	1 47	20 40	0 35	20 35	1 25	20 19	15 37	11 8	10 48	15 27	17 32	6 0
T 8	18 29	13 31	4 14	24 8	1 35	4 19	1 55	10 50	1 57	5 50	1 9	19 56	1 47	20 40	0 35	20 35	1 25	20 19	15 37	11 8	10 47	15 30	17 31	6 0
F 9	18 44	7 21	3 21	24 2	1 25	4 45	1 56	10 34	1 58	5 54	1 9	19 55	1 47	20 40	0 36	20 35	1 24	20 19	15 38	11 8	10 46	15 33	17 31	6 1
S 10	18 58	0 38	2 15	23 54	1 14	5 12	1 56	10 19	1 59	5 59	1 9	19 55	1 46	20 40	0 36	20 36	1 24	20 19	15 38	11 9	10 45	15 36	17 31	6 1
S 11	19 12	6s17	0 59	23 44	1 2	5 38	1 57	10 4	2 0	6 4	1 9	19 54	1 46	20 41	0 36	20 36	1 24	20 19	15 39	11 9	10 44	15 39	17 30	6 2
M12	19 26	13 0	0s23	23 33	0 49	6 5	1 57	9 48	2 1	6 9	1 9	19 53	1 46	20 41	0 36	20 36	1 24	20 19	15 39	11 9	10 42	15 42	17 30	6 2
T 13	19 39	19 3	1 45	23 21	0 35	6 31	1 57	9 33	2 2	6 14	1 10	19 53	1 46	20 41	0 36	20 37	1 24	20 19	15 39	11 9	10 41	15 45	17 30	6 2
W14	19 52	23 52	2 58	23 8	0 21	6 58	1 57	9 18	2 3	6 18	1 10	19 52	1 46	20 41	0 36	20 37	1 24	20 20	15 40	11 8	10 40	15 47	17 29	6 3
T 15	20 5	27 2	3 59	22 53	0 6	7 24	1 57	9 2	2 4	6 23	1 10	19 51	1 46	20 41	0 36	20 38	1 24	20 20	15 40	11 7	10 39	15 50	17 29	6 3
F 16	20 17	28 14	4 42	22 38	0s10	7 50	1 57	8 47	2 5	6 28	1 10	19 51	1 46	20 42	0 36	20 38	1 24	20 20	15 40	11 5	10 38	15 53	17 29	6 4
S 17	20 29	27 28	5 7	22 21	0 26	8 16	1 56	8 31	2 6	6 32	1 10	19 50	1 46	20 42	0 36	20 38	1 24	20 20	15 41	11 3	10 37	15 56	17 28	6 4
S 18	20 41	25 0	5 12	22 3	0 42	8 42	1 56	8 15	2 7	6 37	1 10	19 49	1 46	20 42	0 36	20 39	1 24	20 20	15 41	11 2	10 36	15 59	17 28	6 4
M19	20 52	21 13	5 0	21 45	0 59	9 7	1 56	8 0	2 8	6 42	1 10	19 49	1 46	20 42	0 36	20 39	1 24	20 20	15 41	11 1	10 34	16 2	17 28	6 5
T 20	21 3	16 31	4 33	21 26	1 16	9 33	1 55	7 44	2 9	6 46	1 10	19 48	1 46	20 42	0 36	20 39	1 24	20 20	15 42	11 1	10 33	16 5	17 27	6 5
W21	21 14	11 16	3 53	21 7	1 34	9 58	1 55	7 28	2 10	6 51	1 10	19 47	1 46	20 43	0 36	20 40	1 24	20 20	15 42	11 1	10 32	16 8	17 27	6 5
T 22	21 24	5 42	3 3	20 47	1 51	10 23	1 54	7 13	2 11	6 55	1 11	19 47	1 46	20 43	0 36	20 40	1 24	20 21	15 42	11 1	10 31	16 11	17 27	6 6
F 23	21 34	0 1	2 6	20 27	2 7	10 49	1 53	6 57	2 12	7 0	1 11	19 46	1 46	20 43	0 36	20 40	1 24	20 21	15 43	11 1	10 30	16 14	17 27	6 6
S 24	21 43	5n35	1 5	20 7	2 24	11 13	1 53	6 41	2 13	7 4	1 11	19 45	1 46	20 43	0 36	20 41	1 24	20 21	15 43	11 2	10 29	16 17	17 26	6 6
S 25	21 52	10 57	0 1	19 47	2 40	11 38	1 52	6 26	2 13	7 8	1 11	19 45	1 46	20 44	0 36	20 41	1 24	20 21	15 44	11 2	10 27	16 20	17 26	6 7
M26	22 1	15 57	1n 3	19 28	2 55	12 2	1 51	6 10	2 14	7 13	1 11	19 44	1 46	20 44	0 36	20 41	1 24	20 21	15 44	11 2	10 26	16 23	17 26	6 7
T 27	22 9	20 21	2 4	19 9	3 9	12 26	1 50	5 54	2 15	7 17	1 11	19 43	1 46	20 44	0 36	20 42	1 24	20 22	15 44	11 1	10 25	16 25	17 26	6 7
W28	22 17	23 59	3 0	18 51	3 23	12 50	1 49	5 38	2 16	7 21	1 11	19 43	1 46	20 45	0 36	20 42	1 24	20 22	15 45	10 59	10 24	16 28	17 25	6 7
T 29	22 25	26 36	3 48	18 34	3 35	13 14	1 47	5 23	2 17	7 25	1 11	19 42	1 45	20 45	0 36	20 42	1 24	20 22	15 45	10 57	10 23	16 31	17 25	6 8
F 30	22 32	27 59	4 27	18 19	3 46	13 37	1 46	5 7	2 18	7 30	1 11	19 41	1 45	20 45	0 36	20 43	1 24	20 22	15 45	10 54	10 22	16 34	17 25	6 8
S 31	22n39	28n 1	4n53	18n 4	3s56	14n 0	1s45	4s51	2s19	7n34	1s12	19s41	1n45	20s46	0s36	20n43	1s24	20s23	15s46	10n51	10n21	16n37	17s25	6n 8

Julian Day Number = 2113456.5, Delta T = 19m10s
Ecliptic obliquity = 23°33'41, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°50'11, Lahiri = 10°57'12 Julian Calendar 1 May 1074 == Greg. Calendar 7 May 1074

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1074
geocentric

JUNE 1074 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 0 4	15♊25'25	22♋57	8°R50	13♉42	23♓50	22♈21	5°R51	0°R22	10♊19	15♓ 4	27°R59	26♈38	11♉38	1°R46	S 1
M 2	17 4 0	16°22'38	5♌41	8♊24	14°53	24°31	22°32	5♐46	0♒20	10°21	15° 4	27♈52	26°35	11°44	1♏43	M 2
T 3	17 7 57	17°19'51	18°38	8° 0	16° 5	25°12	22°43	5°42	0°19	10°23	15° 4	27°46	26°32	11°51	1°39	T 3
W 4	17 11 53	18°17'02	1♍50	7°40	17°16	25°54	22°54	5°38	0°17	10°26	15° 5	27°43	26°29	11°57	1°36	W 4
T 5	17 15 50	19°14'14	15°19	7°24	18°28	26°34	23° 5	5°34	0°16	10°28	15° 5	27°D42	26°25	12° 4	1°32	T 5
F 6	17 19 47	20°11'24	29° 5	7°12	19°39	27°15	23°16	5°29	0°14	10°30	15° 5	27°42	26°22	12°11	1°28	F 6
S 7	17 23 43	21° 8'34	13♎10	7° 3	20°51	27°56	23°26	5°25	0°12	10°32	15° 5	27°43	26°19	12°17	1°24	S 7
S 8	17 27 40	22° 5'43	27°34	7°D 0	22° 2	28°37	23°37	5°21	0°11	10°35	15° 5	27°R43	26°16	12°24	1°21	S 8
M 9	17 31 36	23° 2'53	12♏13	7° 1	23°14	29°17	23°47	5°17	0° 9	10°37	15°R 5	27°42	26°13	12°31	1°17	M 9
T 10	17 35 33	24° 0'01	27° 4	7° 7	24°25	29°57	23°58	5°13	0° 7	10°39	15° 5	27°40	26°10	12°37	1°13	T 10
W11	17 39 29	24°57'10	11♐59	7°18	25°37	0♈38	24° 8	5° 9	0° 6	10°41	15° 5	27°34	26° 6	12°44	1° 9	W11
T 12	17 43 26	25°54'18	26°51	7°34	26°49	1°18	24°18	5° 5	0° 4	10°43	15° 5	27°27	26° 3	12°51	1° 6	T 12
F 13	17 47 22	26°51'27	11♑31	7°54	28° 1	1°58	24°28	5° 1	0° 2	10°45	15° 5	27°18	26° 0	12°57	1° 2	F 13
S 14	17 51 19	27°48'35	25°51	8°20	29°13	2°38	24°38	4°57	29♑59	10°48	15° 5	27° 9	25°57	13° 4	0°58	S 14
S 15	17 55 16	28°45'44	9♒47	8°51	0♊24	3°17	24°48	4°53	29°58	10°50	15° 5	27° 1	25°54	13°11	0°54	S 15
M16	17 59 12	29°42'53	23°15	9°26	1°36	3°57	24°58	4°49	29°56	10°52	15° 4	26°54	25°50	13°17	0°50	M16
T 17	18 3 9	0♋40'02	6♓17	10° 7	2°48	4°36	25° 7	4°45	29°54	10°54	15° 4	26°49	25°47	13°24	0°46	T 17
W18	18 7 5	1°37'11	18°54	10°52	4° 0	5°16	25°17	4°42	29°52	10°56	15° 4	26°46	25°44	13°31	0°43	W18
T 19	18 11 2	2°34'21	1♈11	11°42	5°12	5°55	25°26	4°38	29°50	10°58	15° 4	26°D45	25°41	13°37	0°39	T 19
F 20	18 14 58	3°31'31	13°13	12°36	6°24	6°34	25°36	4°34	29°48	11° 0	15° 4	26°46	25°38	13°44	0°35	F 20
S 21	18 18 55	4°28'42	25° 5	13°36	7°36	7°13	25°45	4°31	29°46	11° 3	15° 3	26°R46	25°35	13°51	0°31	S 21
S 22	18 22 51	5°25'53	6♉53	14°39	8°49	7°52	25°54	4°27	29°44	11° 5	15° 3	26°46	25°31	13°57	0°27	S 22
M23	18 26 48	6°23'05	18°40	15°48	10° 1	8°30	26° 3	4°24	29°42	11° 7	15° 3	26°43	25°28	14° 4	0°24	M23
T 24	18 30 45	7°20'17	0♊33	17° 1	11°13	9° 9	26°11	4°21	29°40	11° 9	15° 2	26°39	25°25	14°11	0°20	T 24
W25	18 34 41	8°17'30	12°34	18°18	12°25	9°47	26°20	4°17	29°37	11°11	15° 2	26°32	25°22	14°17	0°16	W25
T 26	18 38 38	9°14'44	24°45	19°39	13°38	10°25	26°29	4°14	29°35	11°13	15° 2	26°22	25°19	14°24	0°12	T 26
F 27	18 42 34	10°11'57	7♋ 9	21° 5	14°50	11° 3	26°37	4°11	29°33	11°15	15° 1	26°10	25°16	14°30	0° 9	F 27
S 28	18 46 31	11° 9'12	19°45	22°35	16° 2	11°41	26°45	4° 8	29°31	11°17	15° 1	25°58	25°12	14°37	0° 5	S 28
S 29	18 50 27	12° 6'27	2♌35	24° 9	17°15	12°18	26°53	4° 5	29°29	11°19	15° 1	25°46	25° 9	14°44	0° 1	S 29
M30	18 54 24	13♋ 3'42	15♌36	25♊47	18♊27	12♈55	27♈ 1	4♐ 2	29♑26	11♊21	15♓ 0	25♈35	25♈ 6	14♉50	29♐57	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n46	26n38	5n 6	17n52	4s 5	14n23	1s44	4s36	2s20	7n38	1s12	19s40	1n45	20s46	0s36	20n43	1s24	20s23	15s46	10n48	10n19	16n40	17s24	6n 9
M 2	22 52	23 52	5 5	17 41	4 12	14 45	1 42	4 20	2 20	7 42	1 12	19 39	1 45	20 46	0 36	20 44	1 24	20 23	15 47	10 46	10 18	16 43	17 24	6 9
T 3	22 57	19 52	4 48	17 31	4 17	15 8	1 41	4 4	2 21	7 46	1 12	19 39	1 45	20 47	0 36	20 44	1 24	20 23	15 47	10 44	10 17	16 46	17 24	6 9
W 4	23 3	14 50	4 15	17 24	4 22	15 29	1 39	3 49	2 22	7 50	1 12	19 38	1 45	20 47	0 36	20 44	1 24	20 24	15 47	10 43	10 16	16 49	17 24	6 9
T 5	23 7	9 0	3 28	17 18	4 25	15 51	1 38	3 33	2 23	7 54	1 12	19 37	1 45	20 47	0 36	20 45	1 24	20 24	15 48	10 42	10 15	16 51	17 24	6 9
F 6	23 12	2 37	2 28	17 15	4 26	16 12	1 36	3 18	2 24	7 58	1 12	19 37	1 45	20 48	0 36	20 45	1 24	20 24	15 48	10 42	10 14	16 54	17 24	6 10
S 7	23 16	4s 2	1 17	17 13	4 26	16 33	1 34	3 2	2 25	8 1	1 13	19 36	1 45	20 48	0 36	20 45	1 24	20 25	15 48	10 43	10 12	16 57	17 23	6 10
S 8	23 19	10 39	0 1	17 14	4 25	16 53	1 32	2 47	2 25	8 5	1 13	19 35	1 44	20 48	0 36	20 45	1 24	20 25	15 49	10 43	10 11	17 0	17 23	6 10
M 9	23 23	16 48	1s17	17 17	4 23	17 13	1 31	2 31	2 26	8 9	1 13	19 35	1 44	20 49	0 36	20 46	1 24	20 25	15 49	10 43	10 10	17 3	17 23	6 10
T 10	23 25	22 3	2 31	17 21	4 19	17 32	1 29	2 16	2 27	8 13	1 13	19 34	1 44	20 49	0 36	20 46	1 24	20 26	15 50	10 42	10 9	17 6	17 23	6 10
W11	23 28	25 53	3 34	17 28	4 14	17 52	1 27	2 0	2 28	8 16	1 13	19 34	1 44	20 50	0 37	20 46	1 24	20 26	15 50	10 40	10 8	17 9	17 23	6 10
T 12	23 30	27 54	4 23	17 36	4 9	18 10	1 25	1 45	2 28	8 20	1 13	19 33	1 44	20 50	0 37	20 47	1 24	20 26	15 50	10 37	10 7	17 11	17 23	6 11
F 13	23 31	27 56	4 53	17 46	4 2	18 29	1 23	1 30	2 29	8 24	1 14	19 33	1 44	20 51	0 37	20 47	1 24	20 27	15 51	10 34	10 6	17 14	17 23	6 11
S 14	23 33	26 4	5 4	17 57	3 54	18 46	1 21	1 14	2 30	8 27	1 14	19 32	1 44	20 51	0 37	20 47	1 24	20 27	15 51	10 31	10 4	17 17	17 23	6 11
S 15	23 33	22 39	4 57	18 10	3 46	19 4	1 18	0 59	2 31	8 30	1 14	19 31	1 43	20 51	0 37	20 48	1 24	20 27	15 51	10 28	10 3	17 20	17 23	6 11
M16	23 34	18 8	4 33	18 25	3 37	19 21	1 16	0 44	2 31	8 34	1 14	19 31	1 43	20 52	0 37	20 48	1 24	20 28	15 52	10 25	10 2	17 23	17 23	6 11
T 17	23 34	12 54	3 56	18 40	3 27	19 37	1 14	0 29	2 32	8 37	1 14	19 30	1 43	20 52	0 37	20 48	1 24	20 28	15 52	10 23	10 1	17 26	17 22	6 11
W18	23 33	7 17	3 8	18 57	3 16	19 53	1 12	0 14	2 33	8 41	1 14	19 30	1 43	20 53	0 37	20 48	1 24	20 29	15 53	10 22	10 0	17 29	17 22	6 11
T 19	23 32	1 33	2 12	19 15	3 5	20 8	1 10	0n 1	2 33	8 44	1 15	19 29	1 43	20 53	0 37	20 49	1 24	20 29	15 53	10 22	9 59	17 31	17 22	6 11
F 20	23 31	4n 9	1 12	19 33	2 53	20 23	1 7	0 16	2 34	8 47	1 15	19 29	1 43	20 54	0 37	20 49	1 24	20 29	15 53	10 22	9 57	17 34	17 22	6 11
S 21	23 29	9 37	0 9	19 53	2 41	20 37	1 5	0 31	2 35	8 50	1 15	19 28	1 43	20 54	0 37	20 49	1 24	20 30	15 54	10 22	9 56	17 37	17 22	6 11
S 22	23 27	14 43	0n54	20 12	2 29	20 51	1 2	0 45	2 35	8 53	1 15	19 28	1 42	20 55	0 37	20 50	1 24	20 30	15 54	10 22	9 55	17 40	17 22	6 11
M23	23 24	19 18	1 54	20 33	2 16	21 5	1 0	1 0	2 36	8 56	1 15	19 27	1 42	20 55	0 37	20 50	1 24	20 31	15 54	10 21	9 54	17 43	17 22	6 11
T 24	23 21	23 8	2 49	20 53	2 3	21 17	0 58	1 15	2 37	8 59	1 15	19 27	1 42	20 55	0 37	20 50	1 24	20 31	15 55	10 20	9 53	17 45	17 22	6 11
W25	23 18	26 1	3 38	21 13	1 50	21 29	0 55	1 29	2 37	9 2	1 16	19 26	1 42	20 56	0 37	20 50	1 24	20 32	15 55	10 17	9 52	17 48	17 22	6 11
T 26	23 14	27 44	4 17	21 33	1 37	21 41	0 53	1 43	2 38	9 5	1 16	19 26	1 42	20 56	0 37	20 51	1 24	20 32	15 55	10 13	9 50	17 51	17 22	6 11
F 27	23 10	28 7	4 45	21 52	1 23	21 52	0 50	1 58	2 39	9 8	1 16	19 26	1 42	20 57	0 37	20 51	1 24	20 33	15 56	10 9	9 49	17 54	17 22	6 11
S 28	23 5	27 2	4 59	22 11	1 10	22 2	0 48	2 12	2 39	9 11	1 16	19 25	1 41	20 57	0 37	20 51	1 24	20 33	15 56	10 5	9 48	17 57	17 22	6 11
S 29	23 0	24 32	4 59	22 29	0 57	22 12	0 45	2 26	2 40	9 14	1 16	19 25	1 41	20 58	0 37	20 51	1 24	20 33	15 56	10 0	9 47	17 59	17 22	6 11
M30	22n55	20n44	4n43	22n46	0s43	22n21	0s42	2n40	2s40	9n16	1s16	19s24	1n41	20s58	0s37	20n52	1s24	20s34	15s57	9n56	9n46	18n 2	17s22	6n11

Julian Day Number = 2113487.5, Delta T = 19m09s
Ecliptic obliquity = 23°33'41, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°50'16, Lahiri = 10°57'16 Julian Calendar 1 June 1074 == Greg. Calendar 7 June 1074

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1074
geocentric

JULY 1074 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 58 21	14♋ 0'57	28♌50	27♊28	19♊40	13♈33	27♈ 9	3°R59	29°R24	11♊23	15°R 0	25°R26	25♈ 3	14♉57	29°R54	T 1
W 2	19 2 17	14°58'13	12♍15	29°13	20°52	14°10	27°17	3♐56	29♑22	11°25	14♓59	25♈20	25° 0	15° 4	29♐50	W 2
T 3	19 6 14	15°55'29	25°51	1♋ 1	22° 5	14°46	27°24	3°53	29°19	11°27	14°59	25°17	24°56	15°10	29°47	T 3
F 4	19 10 10	16°52'46	9♎39	2°53	23°17	15°23	27°32	3°51	29°17	11°29	14°58	25°16	24°53	15°17	29°43	F 4
S 5	19 14 7	17°50'03	23°38	4°47	24°30	15°59	27°39	3°48	29°15	11°30	14°58	25°16	24°50	15°24	29°40	S 5
S 6	19 18 3	18°47'20	7♏48	6°44	25°43	16°35	27°46	3°46	29°13	11°32	14°57	25°16	24°47	15°30	29°36	S 6
M 7	19 22 0	19°44'38	22° 9	8°43	26°56	17°11	27°53	3°43	29°10	11°34	14°56	25°14	24°44	15°37	29°33	M 7
T 8	19 25 56	20°41'56	6♐38	10°44	28° 8	17°47	28° 0	3°41	29° 8	11°36	14°56	25°10	24°41	15°44	29°29	T 8
W 9	19 29 53	21°39'15	21°11	12°46	29°21	18°22	28° 6	3°39	29° 5	11°38	14°55	25° 3	24°37	15°50	29°26	W 9
T 10	19 33 50	22°36'35	5♑41	14°50	0♋34	18°57	28°13	3°37	29° 3	11°40	14°55	24°54	24°34	15°57	29°22	T 10
F 11	19 37 46	23°33'55	20° 3	16°55	1°47	19°32	28°19	3°35	29° 1	11°41	14°54	24°43	24°31	16° 4	29°19	F 11
S 12	19 41 43	24°31'16	4♒ 9	19° 0	3° 0	20° 7	28°25	3°33	28°58	11°43	14°53	24°31	24°28	16°10	29°16	S 12
S 13	19 45 39	25°28'38	17°56	21° 6	4°13	20°42	28°31	3°31	28°56	11°45	14°53	24°20	24°25	16°17	29°13	S 13
M14	19 49 36	26°26'01	1♓19	23°11	5°26	21°16	28°37	3°29	28°54	11°47	14°52	24°11	24°22	16°24	29° 9	M14
T 15	19 53 32	27°23'26	14°18	25°16	6°39	21°50	28°43	3°27	28°51	11°48	14°51	24° 4	24°18	16°30	29° 6	T 15
W16	19 57 29	28°20'51	26°55	27°21	7°52	22°24	28°48	3°26	28°49	11°50	14°50	23°59	24°15	16°37	29° 3	W16
T 17	20 1 25	29°18'18	9♈13	29°25	9° 5	22°57	28°54	3°24	28°46	11°52	14°50	23°57	24°12	16°44	29° 0	T 17
F 18	20 5 22	0♎15'46	21°16	1♎29	10°18	23°30	28°59	3°23	28°44	11°53	14°49	23°D56	24° 9	16°50	28°57	F 18
S 19	20 9 19	1°13'15	3♉ 9	3°31	11°31	24° 3	29° 4	3°21	28°42	11°55	14°48	23°R56	24° 6	16°57	28°54	S 19
S 20	20 13 15	2°10'46	14°58	5°32	12°45	24°36	29° 9	3°20	28°39	11°56	14°47	23°56	24° 2	17° 4	28°51	S 20
M21	20 17 12	3° 8'18	26°47	7°32	13°58	25° 8	29°13	3°19	28°37	11°58	14°46	23°54	23°59	17°10	28°49	M21
T 22	20 21 8	4° 5'52	8♊43	9°31	15°11	25°40	29°18	3°18	28°34	12° 0	14°45	23°50	23°56	17°17	28°46	T 22
W23	20 25 5	5° 3'27	20°50	11°28	16°25	26°12	29°22	3°17	28°32	12° 1	14°45	23°43	23°53	17°24	28°43	W23
T 24	20 29 1	6° 1'03	3♋10	13°24	17°38	26°43	29°26	3°16	28°30	12° 3	14°44	23°34	23°50	17°30	28°40	T 24
F 25	20 32 58	6°58'41	15°46	15°19	18°51	27°14	29°30	3°15	28°27	12° 4	14°43	23°22	23°47	17°37	28°38	F 25
S 26	20 36 54	7°56'20	28°40	17°12	20° 5	27°45	29°34	3°14	28°25	12° 6	14°42	23°10	23°43	17°44	28°35	S 26
S 27	20 40 51	8°54'01	11♌49	19° 3	21°18	28°16	29°38	3°14	28°23	12° 7	14°41	22°58	23°40	17°50	28°33	S 27
M28	20 44 48	9°51'43	25°13	20°54	22°32	28°46	29°41	3°13	28°20	12° 8	14°40	22°47	23°37	17°57	28°30	M28
T 29	20 48 44	10°49'26	8♍50	22°42	23°46	29°15	29°44	3°13	28°18	12°10	14°39	22°39	23°34	18° 3	28°28	T 29
W30	20 52 41	11°47'11	22°36	24°30	24°59	29°45	29°47	3°12	28°16	12°11	14°38	22°33	23°31	18°10	28°26	W30
T 31	20 56 37	12♌44'56	6♎30	26♌16	26♋13	0♉14	29♈50	3♐12	28♑13	12♊12	14♓37	22♈30	23♈28	18♉17	28♐24	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n49	15n52	4n12	23n 2	0s30	22n30	0s40	2n54	2s41	9n19	1s17	19s24	1n41	20s59	0s37	20n52	1s24	20s34	15s57	9n53	9n45	18n 5	17s22	6n11
W 2	22 43	10 11	3 27	23 16	0 18	22 38	0 37	3 8	2 41	9 22	1 17	19 24	1 41	20 59	0 37	20 52	1 24	20 35	15 57	9 51	9 43	18 8	17 23	6 11
T 3	22 36	3 56	2 29	23 28	0 5	22 45	0 35	3 22	2 42	9 24	1 17	19 23	1 40	21 0	0 37	20 52	1 24	20 35	15 58	9 50	9 42	18 10	17 23	6 11
F 4	22 29	2s35	1 22	23 38	0n 7	22 52	0 32	3 35	2 42	9 27	1 17	19 23	1 40	21 0	0 37	20 53	1 25	20 36	15 58	9 49	9 41	18 13	17 23	6 11
S 5	22 22	9 5	0 9	23 47	0 18	22 58	0 29	3 49	2 43	9 29	1 17	19 23	1 40	21 1	0 37	20 53	1 25	20 36	15 58	9 49	9 40	18 16	17 23	6 11
S 6	22 14	15 13	1s 6	23 52	0 29	23 3	0 27	4 2	2 43	9 31	1 18	19 23	1 40	21 1	0 37	20 53	1 25	20 37	15 59	9 49	9 39	18 19	17 23	6 11
M 7	22 6	20 36	2 17	23 56	0 40	23 8	0 24	4 16	2 44	9 34	1 18	19 22	1 40	21 2	0 37	20 53	1 25	20 38	15 59	9 49	9 38	18 21	17 23	6 11
T 8	21 57	24 49	3 20	23 57	0 49	23 12	0 21	4 29	2 44	9 36	1 18	19 22	1 39	21 2	0 37	20 54	1 25	20 38	15 59	9 47	9 36	18 24	17 23	6 11
W 9	21 49	27 26	4 10	23 55	0 58	23 15	0 19	4 42	2 45	9 38	1 18	19 22	1 39	21 3	0 37	20 54	1 25	20 39	16 0	9 45	9 35	18 27	17 23	6 10
T 10	21 39	28 10	4 44	23 50	1 7	23 18	0 16	4 55	2 45	9 40	1 18	19 22	1 39	21 3	0 37	20 54	1 25	20 39	16 0	9 41	9 34	18 30	17 23	6 10
F 11	21 30	26 59	4 59	23 43	1 14	23 20	0 13	5 8	2 46	9 42	1 19	19 21	1 39	21 4	0 37	20 54	1 25	20 40	16 0	9 37	9 33	18 32	17 23	6 10
S 12	21 20	24 6	4 56	23 32	1 21	23 21	0 11	5 20	2 46	9 44	1 19	19 21	1 39	21 4	0 37	20 54	1 25	20 40	16 1	9 33	9 32	18 35	17 24	6 10
S 13	21 9	19 54	4 36	23 20	1 27	23 22	0 8	5 33	2 46	9 46	1 19	19 21	1 38	21 5	0 37	20 55	1 25	20 41	16 1	9 29	9 31	18 38	17 24	6 10
M14	20 58	14 48	4 0	23 4	1 32	23 22	0 5	5 46	2 47	9 48	1 19	19 21	1 38	21 5	0 37	20 55	1 25	20 41	16 1	9 25	9 29	18 41	17 24	6 10
T 15	20 47	9 11	3 13	22 46	1 36	23 21	0 3	5 58	2 47	9 50	1 20	19 21	1 38	21 6	0 37	20 55	1 25	20 42	16 2	9 23	9 28	18 43	17 24	6 9
W16	20 36	3 20	2 18	22 26	1 40	23 20	0 0	6 10	2 48	9 52	1 20	19 21	1 38	21 6	0 37	20 55	1 25	20 42	16 2	9 21	9 27	18 46	17 24	6 9
T 17	20 24	2n29	1 17	22 3	1 43	23 17	0n 3	6 22	2 48	9 53	1 20	19 21	1 38	21 7	0 37	20 55	1 25	20 43	16 2	9 20	9 26	18 49	17 24	6 9
F 18	20 12	8 7	0 14	21 38	1 45	23 15	0 5	6 34	2 48	9 55	1 20	19 21	1 37	21 7	0 37	20 56	1 25	20 44	16 2	9 20	9 25	18 51	17 25	6 9
S 19	19 59	13 23	0n49	21 11	1 46	23 11	0 8	6 46	2 49	9 57	1 20	19 21	1 37	21 8	0 37	20 56	1 25	20 44	16 3	9 20	9 24	18 54	17 25	6 9
S 20	19 47	18 8	1 49	20 42	1 47	23 7	0 10	6 58	2 49	9 58	1 21	19 20	1 37	21 8	0 37	20 56	1 25	20 45	16 3	9 20	9 22	18 57	17 25	6 8
M21	19 33	22 12	2 45	20 12	1 47	23 2	0 13	7 9	2 49	10 0	1 21	19 20	1 37	21 9	0 37	20 56	1 25	20 45	16 3	9 19	9 21	19 0	17 25	6 8
T 22	19 20	25 23	3 34	19 40	1 46	22 57	0 15	7 21	2 49	10 1	1 21	19 20	1 37	21 9	0 37	20 56	1 25	20 46	16 3	9 18	9 20	19 2	17 25	6 8
W23	19 6	27 28	4 14	19 6	1 45	22 51	0 18	7 32	2 50	10 2	1 21	19 20	1 36	21 10	0 37	20 57	1 25	20 46	16 4	9 15	9 19	19 5	17 26	6 8
T 24	18 52	28 14	4 43	18 32	1 43	22 44	0 20	7 43	2 50	10 4	1 22	19 21	1 36	21 10	0 37	20 57	1 25	20 47	16 4	9 12	9 18	19 8	17 26	6 7
F 25	18 37	27 34	4 59	17 56	1 41	22 36	0 23	7 54	2 50	10 5	1 22	19 21	1 36	21 11	0 37	20 57	1 25	20 48	16 4	9 7	9 16	19 10	17 26	6 7
S 26	18 23	25 25	5 0	17 19	1 38	22 28	0 25	8 5	2 50	10 6	1 22	19 21	1 36	21 11	0 37	20 57	1 25	20 48	16 4	9 3	9 15	19 13	17 26	6 7
S 27	18 7	21 54	4 45	16 41	1 34	22 19	0 28	8 15	2 50	10 7	1 22	19 21	1 36	21 12	0 37	20 57	1 25	20 49	16 5	8 58	9 14	19 16	17 27	6 7
M28	17 52	17 11	4 15	16 2	1 31	22 10	0 30	8 26	2 50	10 8	1 22	19 21	1 35	21 12	0 37	20 57	1 25	20 49	16 5	8 54	9 13	19 18	17 27	6 6
T 29	17 36	11 32	3 30	15 23	1 26	21 59	0 32	8 36	2 51	10 9	1 23	19 21	1 35	21 13	0 37	20 58	1 25	20 50	16 5	8 51	9 12	19 21	17 27	6 6
W30	17 20	5 16	2 32	14 42	1 22	21 49	0 35	8 47	2 51	10 10	1 23	19 21	1 35	21 13	0 37	20 58	1 25	20 51	16 5	8 49	9 11	19 24	17 27	6 6
T 31	17n 4	1s19	1n24	14n 2	1n17	21n37	0n37	8n57	2s51	10n11	1s23	19s21	1n35	21s14	0s37	20n58	1s25	20s51	16s 6	8n48	9n 9	19n26	17s28	6n 5

Julian Day Number = 2113517.5, Delta T = 19m09s
Ecliptic obliquity = 23°33'41, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°50'20, Lahiri = 10°57'20 Julian Calendar 1 July 1074 == Greg. Calendar 7 July 1074

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1074
geocentric

AUGUST 1074 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 0 34	13♌42'43	20♎30	28♌ 0	27♋27	0♉42	29♈53	3°R12	28°R11	12♊14	14°R36	22°D29	23♈24	18♉23	28°R22	F 1
S 2	21 4 30	14°40'31	4♏34	29°43	28°40	1°10	29°55	3°D12	28♑ 9	12°15	14♓35	22♈29	23°21	18°30	28♐19	S 2
S 3	21 8 27	15°38'20	18°41	1♍25	29°54	1°38	29°58	3♐12	28° 6	12°16	14°34	22°R29	23°18	18°37	28°18	S 3
M 4	21 12 23	16°36'10	2♐51	3° 6	1♌ 8	2° 5	29°59	3°12	28° 4	12°17	14°33	22°28	23°15	18°43	28°16	M 4
T 5	21 16 20	17°34'02	17° 1	4°45	2°22	2°32	0♉ 1	3°12	28° 2	12°18	14°32	22°25	23°12	18°50	28°14	T 5
W 6	21 20 17	18°31'55	1♑10	6°22	3°36	2°59	0° 3	3°13	28° 0	12°20	14°31	22°20	23° 8	18°57	28°12	W 6
T 7	21 24 13	19°29'50	15°15	7°59	4°50	3°25	0° 5	3°13	27°58	12°21	14°30	22°12	23° 5	19° 3	28°10	T 7
F 8	21 28 10	20°27'46	29°10	9°34	6° 3	3°51	0° 6	3°14	27°55	12°22	14°29	22° 2	23° 2	19°10	28° 9	F 8
S 9	21 32 6	21°25'43	12♒54	11° 7	7°17	4°16	0° 7	3°14	27°53	12°23	14°28	21°52	22°59	19°17	28° 7	S 9
S 10	21 36 3	22°23'42	26°21	12°40	8°31	4°41	0° 8	3°15	27°51	12°24	14°27	21°43	22°56	19°23	28° 6	S 10
M11	21 39 59	23°21'42	9♓30	14°11	9°46	5° 5	0° 9	3°16	27°49	12°25	14°26	21°35	22°53	19°30	28° 4	M11
T 12	21 43 56	24°19'44	22°20	15°40	11° 0	5°29	0° 9	3°17	27°47	12°26	14°24	21°29	22°49	19°37	28° 3	T 12
W13	21 47 52	25°17'48	4♈52	17° 9	12°14	5°52	0°10	3°18	27°45	12°27	14°23	21°25	22°46	19°43	28° 2	W13
T 14	21 51 49	26°15'54	17° 6	18°36	13°28	6°15	0°R10	3°19	27°43	12°28	14°22	21°D24	22°43	19°50	28° 0	T 14
F 15	21 55 46	27°14'02	29° 8	20° 1	14°42	6°37	0°10	3°20	27°41	12°28	14°21	21°24	22°40	19°57	27°59	F 15
S 16	21 59 42	28°12'12	11♉ 1	21°26	15°56	6°59	0° 9	3°22	27°39	12°29	14°20	21°25	22°37	20° 3	27°58	S 16
S 17	22 3 39	29°10'24	22°51	22°49	17°11	7°21	0° 9	3°23	27°37	12°30	14°19	21°26	22°34	20°10	27°57	S 17
M18	22 7 35	0♍ 8'38	4♊41	24°10	18°25	7°41	0° 8	3°25	27°35	12°31	14°18	21°R26	22°30	20°17	27°57	M18
T 19	22 11 32	1° 6'54	16°39	25°30	19°39	8° 1	0° 7	3°26	27°33	12°32	14°16	21°24	22°27	20°23	27°56	T 19
W20	22 15 28	2° 5'12	28°47	26°49	20°53	8°21	0° 6	3°28	27°31	12°32	14°15	21°21	22°24	20°30	27°55	W20
T 21	22 19 25	3° 3'33	11♋12	28° 6	22° 8	8°40	0° 5	3°30	27°30	12°33	14°14	21°16	22°21	20°37	27°54	T 21
F 22	22 23 21	4° 1'55	23°56	29°21	23°22	8°58	0° 3	3°32	27°28	12°34	14°13	21° 9	22°18	20°43	27°54	F 22
S 23	22 27 18	5° 0'20	7♌ 0	0♎35	24°37	9°16	0° 2	3°34	27°26	12°34	14°12	21° 1	22°14	20°50	27°53	S 23
S 24	22 31 15	5°58'46	20°25	1°46	25°51	9°33	29♈59	3°36	27°24	12°35	14°10	20°53	22°11	20°57	27°53	S 24
M25	22 35 11	6°57'15	4♍10	2°57	27° 6	9°50	29°58	3°38	27°23	12°35	14° 9	20°46	22° 8	21° 3	27°53	M25
T 26	22 39 8	7°55'45	18°10	4° 5	28°20	10° 6	29°55	3°40	27°21	12°36	14° 8	20°41	22° 5	21°10	27°53	T 26
W27	22 43 4	8°54'17	2♎23	5°11	29°35	10°21	29°53	3°42	27°19	12°36	14° 7	20°38	22° 2	21°17	27°52	W27
T 28	22 47 1	9°52'51	16°42	6°15	0♍49	10°35	29°50	3°45	27°18	12°37	14° 6	20°D36	21°59	21°23	27°D52	T 28
F 29	22 50 57	10°51'27	1♏ 4	7°16	2° 4	10°49	29°47	3°47	27°16	12°37	14° 4	20°36	21°55	21°30	27°52	F 29
S 30	22 54 54	11°50'05	15°24	8°15	3°19	11° 2	29°44	3°50	27°15	12°38	14° 3	20°38	21°52	21°37	27°53	S 30
S 31	22 58 50	12♍48'44	29♏40	9♎11	4♍33	11♉15	29♈41	3♐53	27♑13	12♊38	14♓ 2	20♈39	21♈49	21♉43	27♐53	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n48	7s53	0n11	13n21	1n11	21n25	0n39	9n 6	2s51	10n11	1s23	19s21	1n34	21s14	0s37	20n58	1s25	20s52	16s 6	8n48	9n 8	19n29	17s28	6n 5
S 2	16 31	14 7	1s 4	12 39	1 6	21 12	0 41	9 16	2 51	10 12	1 24	19 22	1 34	21 15	0 37	20 58	1 25	20 52	16 6	8 48	9 7	19 32	17 28	6 5
S 3	16 14	19 38	2 15	11 57	1 0	20 59	0 43	9 26	2 51	10 12	1 24	19 22	1 34	21 15	0 37	20 58	1 25	20 53	16 6	8 48	9 6	19 34	17 29	6 4
M 4	15 56	24 4	3 17	11 15	0 53	20 45	0 45	9 35	2 51	10 13	1 24	19 22	1 34	21 16	0 37	20 58	1 25	20 53	16 6	8 47	9 5	19 37	17 29	6 4
T 5	15 39	27 2	4 8	10 33	0 47	20 30	0 48	9 44	2 51	10 13	1 24	19 22	1 34	21 16	0 37	20 58	1 25	20 54	16 7	8 46	9 3	19 39	17 29	6 4
W 6	15 21	28 17	4 44	9 50	0 40	20 15	0 50	9 53	2 51	10 14	1 24	19 23	1 33	21 16	0 37	20 59	1 25	20 55	16 7	8 44	9 2	19 42	17 30	6 3
T 7	15 3	27 41	5 1	9 8	0 33	19 59	0 52	10 2	2 51	10 14	1 25	19 23	1 33	21 17	0 37	20 59	1 25	20 55	16 7	8 41	9 1	19 45	17 30	6 3
F 8	14 44	25 20	5 1	8 25	0 26	19 43	0 53	10 11	2 51	10 14	1 25	19 23	1 33	21 17	0 37	20 59	1 26	20 56	16 7	8 38	9 0	19 47	17 30	6 3
S 9	14 26	21 33	4 44	7 43	0 18	19 26	0 55	10 20	2 51	10 15	1 25	19 24	1 33	21 18	0 37	20 59	1 26	20 56	16 7	8 34	8 59	19 50	17 31	6 2
S 10	14 7	16 43	4 11	7 0	0 11	19 9	0 57	10 28	2 51	10 15	1 25	19 24	1 33	21 18	0 37	20 59	1 26	20 57	16 7	8 30	8 58	19 52	17 31	6 2
M11	13 48	11 12	3 25	6 18	0 3	18 51	0 59	10 36	2 51	10 15	1 26	19 24	1 32	21 19	0 37	20 59	1 26	20 58	16 8	8 27	8 56	19 55	17 31	6 2
T 12	13 29	5 20	2 29	5 36	0s 5	18 32	1 1	10 44	2 50	10 15	1 26	19 25	1 32	21 19	0 37	20 59	1 26	20 58	16 8	8 25	8 55	19 58	17 32	6 1
W13	13 9	0n36	1 28	4 54	0 13	18 13	1 2	10 52	2 50	10 15	1 26	19 25	1 32	21 19	0 37	20 59	1 26	20 59	16 8	8 24	8 54	20 0	17 32	6 1
T 14	12 50	6 24	0 23	4 12	0 21	17 53	1 4	11 0	2 50	10 14	1 26	19 26	1 32	21 20	0 37	20 59	1 26	20 59	16 8	8 23	8 53	20 3	17 32	6 1
F 15	12 30	11 52	0n42	3 31	0 30	17 33	1 6	11 7	2 50	10 14	1 26	19 26	1 31	21 20	0 37	20 59	1 26	21 0	16 8	8 23	8 52	20 5	17 33	6 0
S 16	12 10	16 51	1 44	2 50	0 38	17 12	1 7	11 15	2 49	10 14	1 27	19 27	1 31	21 20	0 37	20 59	1 26	21 0	16 8	8 23	8 50	20 8	17 33	6 0
S 17	11 49	21 10	2 41	2 9	0 46	16 51	1 9	11 22	2 49	10 14	1 27	19 27	1 31	21 21	0 37	20 59	1 26	21 1	16 8	8 24	8 49	20 11	17 33	5 59
M18	11 29	24 39	3 32	1 29	0 55	16 30	1 10	11 29	2 49	10 13	1 27	19 28	1 31	21 21	0 37	21 0	1 26	21 2	16 8	8 24	8 48	20 13	17 34	5 59
T 19	11 8	27 5	4 13	0 50	1 3	16 8	1 11	11 36	2 48	10 13	1 27	19 28	1 31	21 22	0 37	21 0	1 26	21 2	16 9	8 23	8 47	20 16	17 34	5 59
W20	10 47	28 18	4 45	0 10	1 12	15 45	1 13	11 43	2 48	10 12	1 28	19 29	1 30	21 22	0 37	21 0	1 26	21 3	16 9	8 22	8 46	20 18	17 35	5 58
T 21	10 26	28 7	5 3	0s28	1 21	15 22	1 14	11 49	2 48	10 11	1 28	19 29	1 30	21 22	0 37	21 0	1 26	21 3	16 9	8 20	8 45	20 21	17 35	5 58
F 22	10 5	26 29	5 8	1 6	1 29	14 59	1 15	11 55	2 47	10 11	1 28	19 30	1 30	21 23	0 37	21 0	1 26	21 4	16 9	8 17	8 43	20 23	17 35	5 57
S 23	9 43	23 23	4 56	1 43	1 38	14 35	1 16	12 1	2 47	10 10	1 28	19 30	1 30	21 23	0 37	21 0	1 26	21 4	16 9	8 15	8 42	20 26	17 36	5 57
S 24	9 22	18 59	4 28	2 20	1 46	14 11	1 17	12 7	2 46	10 9	1 28	19 31	1 29	21 23	0 37	21 0	1 26	21 5	16 9	8 12	8 41	20 28	17 36	5 57
M25	9 0	13 31	3 45	2 56	1 55	13 46	1 18	12 13	2 46	10 8	1 29	19 31	1 29	21 24	0 37	21 0	1 26	21 5	16 9	8 9	8 40	20 31	17 37	5 56
T 26	8 38	7 15	2 47	3 30	2 3	13 21	1 19	12 18	2 45	10 7	1 29	19 32	1 29	21 24	0 37	21 0	1 26	21 6	16 9	8 7	8 39	20 34	17 37	5 56
W27	8 16	0 32	1 37	4 4	2 11	12 56	1 20	12 24	2 44	10 6	1 29	19 33	1 29	21 24	0 37	21 0	1 26	21 6	16 9	8 6	8 37	20 36	17 37	5 55
T 28	7 54	6s16	0 21	4 37	2 19	12 30	1 21	12 29	2 44	10 5	1 29	19 33	1 29	21 24	0 37	21 0	1 26	21 7	16 9	8 5	8 36	20 39	17 38	5 55
F 29	7 32	12 47	0s57	5 9	2 27	12 4	1 22	12 34	2 43	10 4	1 29	19 34	1 28	21 25	0 37	21 0	1 26	21 7	16 9	8 5	8 35	20 41	17 38	5 55
S 30	7 10	18 37	2 11	5 40	2 35	11 37	1 22	12 38	2 42	10 2	1 30	19 35	1 28	21 25	0 37	21 0	1 26	21 8	16 9	8 6	8 34	20 44	17 39	5 54
S 31	6n47	23s23	3s17	6s 9	2s43	11n10	1n23	12n43	2s42	10n 1	1s30	19s36	1n28	21s25	0s37	21n 0	1s26	21s 8	16s 9	8n 6	8n33	20n46	17s39	5n54

Julian Day Number = 2113548.5, Delta T = 19m09s
Ecliptic obliquity = 23°33'42, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°50'24, Lahiri = 10°57'24 Julian Calendar 1 Aug. 1074 == Greg. Calendar 7 Aug. 1074

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1074
geocentric

SEPTEMBER 1074 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 2 47	13♍47'25	13♐50	10♎ 5	5♍48	11♉26	29°R37	3♐55	27°R12	12♊38	14°R 1	20°R40	21♈46	21♉50	27♐53	M 1
T 2	23 6 44	14°46'08	27°51	10°55	7° 3	11°37	29♈34	3°58	27♑11	12°39	14♓ 0	20♈39	21°43	21°57	27°53	T 2
W 3	23 10 40	15°44'52	11♑44	11°42	8°17	11°47	29°30	4° 1	27° 9	12°39	13°58	20°37	21°39	22° 3	27°54	W 3
T 4	23 14 37	16°43'39	25°25	12°26	9°32	11°57	29°26	4° 4	27° 8	12°39	13°57	20°33	21°36	22°10	27°54	T 4
F 5	23 18 33	17°42'27	8♒56	13° 5	10°47	12° 5	29°22	4° 8	27° 7	12°39	13°56	20°28	21°33	22°17	27°55	F 5
S 6	23 22 30	18°41'17	22°13	13°41	12° 2	12°13	29°17	4°11	27° 6	12°39	13°55	20°23	21°30	22°23	27°56	S 6
S 7	23 26 26	19°40'08	5♓17	14°12	13°17	12°20	29°13	4°14	27° 4	12°40	13°54	20°18	21°27	22°30	27°57	S 7
M 8	23 30 23	20°39'02	18° 6	14°37	14°31	12°26	29° 8	4°18	27° 3	12°40	13°52	20°13	21°24	22°37	27°57	M 8
T 9	23 34 19	21°37'58	0♈41	14°58	15°46	12°32	29° 3	4°21	27° 2	12°40	13°51	20°11	21°20	22°43	27°58	T 9
W10	23 38 16	22°36'55	13° 1	15°13	17° 1	12°36	28°58	4°25	27° 1	12°R40	13°50	20° 9	21°17	22°50	27°59	W10
T 11	23 42 12	23°35'55	25°10	15°21	18°16	12°40	28°53	4°28	27° 0	12°40	13°49	20°D 9	21°14	22°57	28° 1	T 11
F 12	23 46 9	24°34'58	7♉ 8	15°R23	19°31	12°43	28°48	4°32	26°59	12°40	13°48	20°10	21°11	23° 3	28° 2	F 12
S 13	23 50 6	25°34'02	19° 0	15°18	20°46	12°45	28°42	4°36	26°58	12°39	13°46	20°12	21° 8	23°10	28° 3	S 13
S 14	23 54 2	26°33'09	0♊49	15° 6	22° 1	12°46	28°36	4°40	26°57	12°39	13°45	20°13	21° 5	23°17	28° 4	S 14
M15	23 57 59	27°32'18	12°39	14°45	23°16	12°R46	28°30	4°44	26°57	12°39	13°44	20°15	21° 1	23°23	28° 6	M15
T 16	0 1 55	28°31'30	24°35	14°17	24°31	12°46	28°24	4°48	26°56	12°39	13°43	20°R16	20°58	23°30	28° 7	T 16
W17	0 5 52	29°30'44	6♋43	13°41	25°46	12°44	28°18	4°52	26°55	12°39	13°42	20°15	20°55	23°37	28° 9	W17
T 18	0 9 48	0♎30'00	19° 6	12°58	27° 1	12°42	28°12	4°56	26°54	12°39	13°41	20°14	20°52	23°43	28°11	T 18
F 19	0 13 45	1°29'19	1♌50	12° 6	28°16	12°38	28° 5	5° 0	26°54	12°38	13°39	20°12	20°49	23°50	28°12	F 19
S 20	0 17 41	2°28'40	14°56	11° 8	29°31	12°34	27°59	5° 5	26°53	12°38	13°38	20°10	20°45	23°57	28°14	S 20
S 21	0 21 38	3°28'03	28°27	10° 5	0♎46	12°29	27°52	5° 9	26°53	12°38	13°37	20° 8	20°42	24° 3	28°16	S 21
M22	0 25 35	4°27'28	12♍23	8°56	2° 1	12°23	27°45	5°14	26°52	12°37	13°36	20° 5	20°39	24°10	28°18	M22
T 23	0 29 31	5°26'56	26°40	7°45	3°16	12°16	27°38	5°18	26°52	12°37	13°35	20° 4	20°36	24°17	28°20	T 23
W24	0 33 28	6°26'26	11♎14	6°32	4°31	12° 8	27°31	5°23	26°51	12°36	13°34	20° 3	20°33	24°23	28°22	W24
T 25	0 37 24	7°25'58	25°59	5°20	5°47	11°59	27°24	5°28	26°51	12°36	13°33	20°D 3	20°30	24°30	28°25	T 25
F 26	0 41 21	8°25'31	10♏47	4°12	7° 2	11°50	27°17	5°32	26°51	12°35	13°32	20° 4	20°26	24°37	28°27	F 26
S 27	0 45 17	9°25'07	25°32	3° 8	8°17	11°39	27° 9	5°37	26°51	12°35	13°31	20° 4	20°23	24°43	28°29	S 27
S 28	0 49 14	10°24'45	10♐ 8	2°11	9°32	11°28	27° 2	5°42	26°50	12°34	13°29	20° 5	20°20	24°50	28°32	S 28
M29	0 53 10	11°24'24	24°29	1°23	10°47	11°16	26°54	5°47	26°50	12°34	13°28	20° 6	20°17	24°57	28°34	M29
T 30	0 57 7	12♎24'06	8♑34	0♎44	12♎ 3	11♉ 3	26♈47	5♐52	26♑50	12♊33	13♓27	20°R 6	20♈14	25♉ 3	28♐37	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	6n24	26s42	4s10	6s37	2s50	10n43	1n23	12n47	2s41	10n 0	1s30	19s36	1n28	21s26	0s37	21n 0	1s26	21s 9	16s 9	8n 6	8n31	20n49	17s39	5n53
T 2	6 2	28 20	4 47	7 3	2 57	10 16	1 24	12 52	2 40	9 58	1 30	19 37	1 28	21 26	0 37	21 0	1 27	21 9	16 9	8 6	8 30	20 51	17 40	5 53
W 3	5 39	28 9	5 8	7 28	3 4	9 48	1 24	12 55	2 39	9 57	1 30	19 38	1 27	21 26	0 37	21 0	1 27	21 10	16 9	8 5	8 29	20 54	17 40	5 52
T 4	5 16	26 15	5 11	7 51	3 10	9 20	1 25	12 59	2 38	9 55	1 30	19 39	1 27	21 26	0 37	21 0	1 27	21 10	16 9	8 4	8 28	20 56	17 41	5 52
F 5	4 53	22 52	4 56	8 12	3 16	8 52	1 25	13 3	2 37	9 53	1 31	19 39	1 27	21 27	0 37	21 0	1 27	21 11	16 9	8 2	8 27	20 59	17 41	5 52
S 6	4 30	18 21	4 25	8 31	3 22	8 24	1 25	13 6	2 36	9 52	1 31	19 40	1 27	21 27	0 37	21 0	1 27	21 11	16 9	8 0	8 25	21 1	17 42	5 51
S 7	4 7	13 3	3 41	8 48	3 27	7 55	1 25	13 9	2 35	9 50	1 31	19 41	1 27	21 27	0 37	21 0	1 27	21 12	16 9	7 58	8 24	21 4	17 42	5 51
M 8	3 43	7 17	2 47	9 2	3 31	7 26	1 25	13 12	2 34	9 48	1 31	19 42	1 26	21 27	0 37	21 0	1 27	21 12	16 9	7 57	8 23	21 6	17 42	5 50
T 9	3 20	1 20	1 45	9 13	3 35	6 57	1 26	13 15	2 33	9 46	1 31	19 43	1 26	21 27	0 37	21 0	1 27	21 13	16 9	7 55	8 22	21 8	17 43	5 50
W10	2 57	4n34	0 39	9 21	3 37	6 28	1 25	13 18	2 32	9 44	1 31	19 43	1 26	21 28	0 37	21 0	1 27	21 13	16 9	7 55	8 21	21 11	17 43	5 49
T 11	2 33	10 13	0n28	9 27	3 39	5 58	1 25	13 20	2 30	9 42	1 32	19 44	1 26	21 28	0 37	21 0	1 27	21 14	16 9	7 55	8 19	21 13	17 44	5 49
F 12	2 10	15 25	1 32	9 28	3 40	5 29	1 25	13 22	2 29	9 40	1 32	19 45	1 26	21 28	0 37	21 0	1 27	21 14	16 9	7 55	8 18	21 16	17 44	5 49
S 13	1 46	20 0	2 32	9 26	3 40	4 59	1 25	13 24	2 28	9 38	1 32	19 46	1 25	21 28	0 36	21 0	1 27	21 14	16 9	7 56	8 17	21 18	17 45	5 48
S 14	1 23	23 46	3 26	9 19	3 38	4 29	1 25	13 26	2 26	9 36	1 32	19 47	1 25	21 28	0 36	21 0	1 27	21 15	16 9	7 57	8 16	21 21	17 45	5 48
M15	0 59	26 34	4 10	9 9	3 35	3 59	1 24	13 27	2 25	9 34	1 32	19 48	1 25	21 28	0 36	20 59	1 27	21 15	16 9	7 57	8 15	21 23	17 46	5 47
T 16	0 35	28 11	4 45	8 54	3 30	3 28	1 24	13 29	2 23	9 32	1 32	19 49	1 25	21 28	0 36	20 59	1 27	21 16	16 9	7 57	8 13	21 26	17 46	5 47
W17	0 12	28 30	5 7	8 34	3 24	2 58	1 23	13 30	2 21	9 29	1 32	19 50	1 25	21 29	0 36	20 59	1 27	21 16	16 9	7 57	8 12	21 28	17 46	5 47
T 18	0s12	27 24	5 16	8 9	3 16	2 28	1 23	13 31	2 20	9 27	1 32	19 51	1 25	21 29	0 36	20 59	1 27	21 16	16 9	7 57	8 11	21 30	17 47	5 46
F 19	0 36	24 52	5 9	7 40	3 6	1 57	1 22	13 31	2 18	9 25	1 32	19 52	1 24	21 29	0 36	20 59	1 27	21 17	16 9	7 56	8 10	21 33	17 47	5 46
S 20	0 59	21 0	4 47	7 6	2 54	1 26	1 22	13 32	2 16	9 22	1 33	19 52	1 24	21 29	0 36	20 59	1 27	21 17	16 9	7 55	8 9	21 35	17 48	5 45
S 21	1 23	15 57	4 8	6 28	2 40	0 56	1 21	13 32	2 14	9 20	1 33	19 53	1 24	21 29	0 36	20 59	1 27	21 17	16 8	7 54	8 7	21 38	17 48	5 45
M22	1 47	9 56	3 14	5 47	2 25	0 25	1 20	13 32	2 12	9 17	1 33	19 54	1 24	21 29	0 36	20 59	1 27	21 18	16 8	7 54	8 6	21 40	17 49	5 44
T 23	2 11	3 15	2 6	5 2	2 8	0s 6	1 19	13 32	2 10	9 15	1 33	19 55	1 24	21 29	0 36	20 59	1 27	21 18	16 8	7 53	8 5	21 42	17 49	5 44
W24	2 34	3s43	0 49	4 17	1 49	0 37	1 18	13 31	2 8	9 12	1 33	19 56	1 23	21 29	0 36	20 59	1 27	21 18	16 8	7 53	8 4	21 45	17 49	5 44
T 25	2 58	10 36	0s33	3 30	1 29	1 7	1 17	13 30	2 6	9 9	1 33	19 57	1 23	21 29	0 36	20 59	1 27	21 19	16 8	7 53	8 3	21 47	17 50	5 43
F 26	3 21	16 55	1 52	2 44	1 9	1 38	1 16	13 30	2 4	9 7	1 33	19 58	1 23	21 29	0 36	20 59	1 28	21 19	16 8	7 53	8 1	21 49	17 50	5 43
S 27	3 45	22 14	3 4	2 0	0 48	2 9	1 15	13 29	2 2	9 4	1 33	19 59	1 23	21 29	0 36	20 58	1 28	21 19	16 8	7 53	8 0	21 52	17 51	5 42
S 28	4 9	26 6	4 3	1 18	0 28	2 40	1 14	13 27	2 0	9 1	1 33	20 0	1 23	21 29	0 36	20 58	1 28	21 20	16 8	7 53	7 59	21 54	17 51	5 42
M29	4 32	28 13	4 46	0 40	0 8	3 11	1 13	13 26	1 57	8 59	1 33	20 2	1 23	21 29	0 36	20 58	1 28	21 20	16 7	7 54	7 58	21 57	17 52	5 42
T 30	4s55	28s27	5s11	0s 7	0n11	3s41	1n11	13n24	1s55	8n56	1s33	20s 3	1n22	21s29	0s36	20n58	1s28	21s20	16s 7	7n54	7n57	21n59	17s52	5n41

Julian Day Number = 2113579.5, Delta T = 19m08s
Ecliptic obliquity = 23°33'42, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°50'28, Lahiri = 10°57'29 Julian Calendar 1 Sept. 1074 == Greg. Calendar 7 Sept. 1074

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1074
geocentric

OCTOBER 1074 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 1 4	13♎23'49	22♑21	0°R16	13♎18	10°R49	26°R39	5♐57	26°D50	12°R32	13°R26	20°R 6	20♈11	25♉10	28♐40	W 1
T 2	1 5 0	14°23'33	5♒50	29♍59	14°33	10♉35	26♈31	6° 3	26♑50	12♊32	13♓25	20♈ 6	20° 7	25°17	28°43	T 2
F 3	1 8 57	15°23'20	19° 1	29°D54	15°48	10°20	26°23	6° 8	26°50	12°31	13°24	20° 5	20° 4	25°23	28°45	F 3
S 4	1 12 53	16°23'08	1♓57	29°59	17° 3	10° 4	26°16	6°13	26°51	12°30	13°23	20° 5	20° 1	25°30	28°48	S 4
S 5	1 16 50	17°22'57	14°39	0♎16	18°19	9°47	26° 8	6°19	26°51	12°29	13°22	20° 4	19°58	25°37	28°51	S 5
M 6	1 20 46	18°22'49	27° 8	0°42	19°34	9°30	26° 0	6°24	26°51	12°28	13°21	20° 4	19°55	25°43	28°54	M 6
T 7	1 24 43	19°22'43	9♈26	1°18	20°49	9°12	25°52	6°30	26°51	12°28	13°20	20° 4	19°51	25°50	28°57	T 7
W 8	1 28 39	20°22'38	21°34	2° 3	22° 4	8°54	25°43	6°35	26°52	12°27	13°20	20° 4	19°48	25°57	29° 1	W 8
T 9	1 32 36	21°22'36	3♉34	2°55	23°20	8°35	25°35	6°41	26°52	12°26	13°19	20° 4	19°45	26° 3	29° 4	T 9
F 10	1 36 33	22°22'35	15°28	3°54	24°35	8°16	25°27	6°46	26°52	12°25	13°18	20° 4	19°42	26°10	29° 7	F 10
S 11	1 40 29	23°22'37	27°18	5° 0	25°50	7°56	25°19	6°52	26°53	12°24	13°17	20° 3	19°39	26°17	29°11	S 11
S 12	1 44 26	24°22'40	9♊ 7	6°10	27° 5	7°35	25°11	6°58	26°53	12°23	13°16	20° 3	19°36	26°23	29°14	S 12
M13	1 48 22	25°22'46	20°57	7°26	28°21	7°15	25° 3	7° 4	26°54	12°22	13°15	20° 2	19°32	26°30	29°18	M13
T 14	1 52 19	26°22'54	2♋54	8°45	29°36	6°54	24°55	7°10	26°55	12°21	13°14	20° 2	19°29	26°37	29°21	T 14
W15	1 56 15	27°23'04	14°59	10° 7	0♏51	6°33	24°46	7°15	26°55	12°20	13°13	20° 1	19°26	26°43	29°25	W15
T 16	2 0 12	28°23'16	27°19	11°32	2° 7	6°11	24°38	7°21	26°56	12°19	13°13	20°D 1	19°23	26°50	29°29	T 16
F 17	2 4 8	29°23'30	9♌57	13° 0	3°22	5°50	24°30	7°27	26°57	12°17	13°12	20° 1	19°20	26°57	29°32	F 17
S 18	2 8 5	0♏23'46	22°57	14°29	4°37	5°28	24°22	7°34	26°58	12°16	13°11	20° 2	19°16	27° 3	29°36	S 18
S 19	2 12 2	1°24'05	6♍23	16° 0	5°52	5° 6	24°14	7°40	26°59	12°15	13°10	20° 3	19°13	27°10	29°40	S 19
M20	2 15 58	2°24'25	20°16	17°33	7° 8	4°44	24° 6	7°46	27° 0	12°14	13°10	20° 4	19°10	27°17	29°44	M20
T 21	2 19 55	3°24'47	4♎35	19° 6	8°23	4°22	23°58	7°52	27° 1	12°13	13° 9	20° 4	19° 7	27°23	29°48	T 21
W22	2 23 51	4°25'11	19°17	20°40	9°38	4° 1	23°50	7°58	27° 2	12°11	13° 8	20°R 5	19° 4	27°30	29°52	W22
T 23	2 27 48	5°25'37	4♏17	22°15	10°54	3°39	23°42	8° 5	27° 3	12°10	13° 8	20° 4	19° 1	27°37	29°56	T 23
F 24	2 31 44	6°26'05	19°27	23°50	12° 9	3°18	23°35	8°11	27° 4	12° 9	13° 7	20° 3	18°57	27°43	0♑ 1	F 24
S 25	2 35 41	7°26'34	4♐35	25°25	13°24	2°57	23°27	8°17	27° 5	12° 8	13° 6	20° 1	18°54	27°50	0° 5	S 25
S 26	2 39 37	8°27'05	19°34	27° 1	14°40	2°36	23°19	8°24	27° 6	12° 6	13° 6	19°59	18°51	27°57	0° 9	S 26
M27	2 43 34	9°27'37	4♑15	28°37	15°55	2°15	23°12	8°30	27° 8	12° 5	13° 5	19°56	18°48	28° 4	0°14	M27
T 28	2 47 31	10°28'11	18°33	0♏13	17°10	1°55	23° 4	8°37	27° 9	12° 3	13° 5	19°54	18°45	28°10	0°18	T 28
W29	2 51 27	11°28'46	2♒26	1°49	18°26	1°36	22°57	8°43	27°10	12° 2	13° 4	19°53	18°42	28°17	0°23	W29
T 30	2 55 24	12°29'22	15°54	3°25	19°41	1°17	22°50	8°50	27°12	12° 1	13° 3	19°D53	18°38	28°24	0°27	T 30
F 31	2 59 20	13♏29'59	28♒58	5♏ 0	20♏57	0♉58	22♈43	8♐56	27♑13	11♊59	13♓ 3	19♈54	18♈35	28♉30	0♑32	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s19	26s54	5s17	0n20	0n29	4s12	1n10	13n22	1s52	8n53	1s33	20s 4	1n22	21s29	0s36	20n58	1s28	21s20	16s 7	7n54	7n55	22n 1	17s52	5n41
T 2	5 42	23 50	5 5	0 43	0 46	4 42	1 9	13 20	1 50	8 50	1 33	20 5	1 22	21 29	0 36	20 58	1 28	21 21	16 7	7 54	7 54	22 4	17 53	5 40
F 3	6 5	19 35	4 38	0 59	1 1	5 13	1 7	13 18	1 47	8 47	1 33	20 6	1 22	21 29	0 36	20 58	1 28	21 21	16 7	7 53	7 53	22 6	17 53	5 40
S 4	6 28	14 30	3 57	1 9	1 15	5 43	1 6	13 16	1 44	8 44	1 33	20 7	1 22	21 29	0 36	20 58	1 28	21 21	16 7	7 53	7 52	22 8	17 54	5 40
S 5	6 52	8 54	3 4	1 13	1 27	6 13	1 4	13 13	1 41	8 42	1 33	20 8	1 22	21 29	0 36	20 57	1 28	21 21	16 6	7 53	7 51	22 11	17 54	5 39
M 6	7 14	3 2	2 4	1 12	1 37	6 43	1 3	13 10	1 39	8 39	1 33	20 9	1 21	21 29	0 36	20 57	1 28	21 22	16 6	7 53	7 49	22 13	17 54	5 39
T 7	7 37	2n51	0 59	1 6	1 46	7 13	1 1	13 7	1 36	8 36	1 33	20 10	1 21	21 29	0 36	20 57	1 28	21 22	16 6	7 53	7 48	22 15	17 55	5 39
W 8	8 0	8 35	0n 8	0 55	1 53	7 43	0 59	13 4	1 33	8 33	1 33	20 11	1 21	21 29	0 36	20 57	1 28	21 22	16 6	7 53	7 47	22 18	17 55	5 38
T 9	8 23	13 56	1 14	0 39	1 59	8 13	0 58	13 1	1 30	8 30	1 33	20 12	1 21	21 29	0 36	20 57	1 28	21 22	16 6	7 53	7 46	22 20	17 56	5 38
F 10	8 45	18 44	2 16	0 19	2 3	8 42	0 56	12 58	1 27	8 27	1 33	20 13	1 21	21 29	0 36	20 57	1 28	21 22	16 5	7 53	7 45	22 22	17 56	5 38
S 11	9 8	22 47	3 12	0s 4	2 6	9 11	0 54	12 54	1 24	8 24	1 33	20 14	1 21	21 28	0 36	20 57	1 28	21 22	16 5	7 53	7 43	22 24	17 56	5 37
S 12	9 30	25 53	4 0	0 30	2 8	9 40	0 52	12 51	1 21	8 21	1 33	20 16	1 21	21 28	0 36	20 56	1 28	21 23	16 5	7 53	7 42	22 27	17 57	5 37
M13	9 52	27 52	4 37	0 59	2 9	10 9	0 50	12 47	1 17	8 18	1 33	20 17	1 20	21 28	0 36	20 56	1 28	21 23	16 5	7 52	7 41	22 29	17 57	5 37
T 14	10 14	28 35	5 3	1 30	2 9	10 38	0 49	12 43	1 14	8 15	1 33	20 18	1 20	21 28	0 36	20 56	1 28	21 23	16 4	7 52	7 40	22 31	17 57	5 36
W15	10 36	27 57	5 16	2 4	2 8	11 6	0 47	12 39	1 11	8 12	1 33	20 19	1 20	21 28	0 36	20 56	1 28	21 23	16 4	7 52	7 39	22 34	17 58	5 36
T 16	10 57	25 56	5 15	2 39	2 6	11 34	0 45	12 35	1 8	8 10	1 32	20 20	1 20	21 28	0 36	20 56	1 28	21 23	16 4	7 52	7 37	22 36	17 58	5 36
F 17	11 19	22 38	4 58	3 15	2 4	12 2	0 43	12 31	1 4	8 7	1 32	20 21	1 20	21 27	0 36	20 56	1 28	21 23	16 4	7 52	7 36	22 38	17 58	5 35
S 18	11 40	18 7	4 26	3 53	2 1	12 30	0 40	12 27	1 1	8 4	1 32	20 22	1 20	21 27	0 36	20 55	1 28	21 23	16 3	7 52	7 35	22 40	17 59	5 35
S 19	12 1	12 36	3 39	4 31	1 57	12 57	0 38	12 23	0 58	8 1	1 32	20 23	1 20	21 27	0 36	20 55	1 28	21 23	16 3	7 52	7 34	22 43	17 59	5 35
M20	12 22	6 18	2 38	5 10	1 53	13 24	0 36	12 19	0 55	7 58	1 32	20 25	1 20	21 27	0 36	20 55	1 28	21 23	16 3	7 53	7 33	22 45	17 59	5 34
T 21	12 43	0s32	1 25	5 50	1 49	13 50	0 34	12 14	0 51	7 55	1 32	20 26	1 19	21 27	0 36	20 55	1 28	21 23	16 3	7 53	7 31	22 47	18 0	5 34
W22	13 4	7 31	0 4	6 30	1 44	14 16	0 32	12 10	0 48	7 53	1 32	20 27	1 19	21 26	0 36	20 55	1 28	21 23	16 2	7 53	7 30	22 49	18 0	5 34
T 23	13 24	14 14	1s18	7 11	1 39	14 42	0 30	12 6	0 44	7 50	1 32	20 28	1 19	21 26	0 36	20 54	1 28	21 23	16 2	7 53	7 29	22 51	18 0	5 33
F 24	13 44	20 10	2 35	7 51	1 33	15 8	0 27	12 2	0 41	7 47	1 32	20 29	1 19	21 26	0 35	20 54	1 28	21 23	16 2	7 53	7 28	22 54	18 1	5 33
S 25	14 4	24 48	3 42	8 31	1 28	15 33	0 25	11 58	0 38	7 44	1 31	20 30	1 19	21 26	0 35	20 54	1 28	21 23	16 2	7 52	7 26	22 56	18 1	5 33
S 26	14 24	27 40	4 32	9 12	1 22	15 57	0 23	11 54	0 34	7 42	1 31	20 31	1 19	21 25	0 35	20 54	1 28	21 23	16 1	7 51	7 25	22 58	18 1	5 32
M27	14 43	28 33	5 4	9 52	1 15	16 22	0 20	11 50	0 31	7 39	1 31	20 32	1 19	21 25	0 35	20 54	1 28	21 23	16 1	7 50	7 24	23 0	18 2	5 32
T 28	15 2	27 28	5 15	10 32	1 9	16 46	0 18	11 46	0 28	7 36	1 31	20 34	1 19	21 25	0 35	20 53	1 28	21 23	16 1	7 49	7 23	23 2	18 2	5 32
W29	15 21	24 43	5 8	11 11	1 3	17 9	0 16	11 42	0 25	7 34	1 31	20 35	1 18	21 25	0 35	20 53	1 28	21 23	16 0	7 49	7 22	23 5	18 2	5 32
T 30	15 40	20 39	4 44	11 50	0 56	17 32	0 13	11 39	0 21	7 31	1 30	20 36	1 18	21 24	0 35	20 53	1 29	21 23	16 0	7 49	7 20	23 7	18 2	5 31
F 31	15s58	15s43	4s 5	12s29	0n50	17s54	0n11	11n35	0s18	7n29	1s30	20s37	1n18	21s24	0s35	20n53	1s29	21s23	16s 0	7n49	7n19	23n 9	18s 3	5n31

Julian Day Number = 2113609.5, Delta T = 19m08s
Ecliptic obliquity = 23°33'42, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°50'32, Lahiri = 10°57'33 Julian Calendar 1 Oct. 1074 == Greg. Calendar 7 Oct. 1074

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1074
geocentric

NOVEMBER 1074 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 3 17	14♏30'38	11♓42	6♏36	22♏12	0°R40	22°R35	9♐ 3	27♑15	11°R58	13°R 2	19♈55	18♈32	28♉37	0♑36	S 1
S 2	3 7 13	15°31'17	24°10	8°12	23°27	0♉22	22♈29	9°10	27°16	11♊56	13♓ 2	19°57	18°29	28°44	0°41	S 2
M 3	3 11 10	16°31'58	6♈24	9°47	24°42	0° 5	22°22	9°16	27°18	11°55	13° 2	19°58	18°26	28°50	0°46	M 3
T 4	3 15 6	17°32'40	18°28	11°23	25°58	29♈49	22°15	9°23	27°20	11°53	13° 1	19°R59	18°22	28°57	0°50	T 4
W 5	3 19 3	18°33'23	0♉25	12°58	27°13	29°34	22° 9	9°30	27°21	11°52	13° 1	19°59	18°19	29° 4	0°55	W 5
T 6	3 23 0	19°34'08	12°18	14°33	28°28	29°19	22° 2	9°37	27°23	11°50	13° 0	19°57	18°16	29°10	1° 0	T 6
F 7	3 26 56	20°34'54	24° 8	16° 8	29°44	29° 5	21°56	9°43	27°25	11°49	13° 0	19°53	18°13	29°17	1° 5	F 7
S 8	3 30 53	21°35'41	5♊58	17°43	0♐59	28°51	21°50	9°50	27°27	11°47	13° 0	19°48	18°10	29°24	1°10	S 8
S 9	3 34 49	22°36'30	17°49	19°17	2°14	28°39	21°44	9°57	27°29	11°46	12°59	19°42	18° 7	29°30	1°15	S 9
M10	3 38 46	23°37'20	29°43	20°52	3°30	28°27	21°38	10° 4	27°31	11°44	12°59	19°35	18° 3	29°37	1°20	M10
T 11	3 42 42	24°38'11	11♋43	22°27	4°45	28°16	21°32	10°11	27°33	11°42	12°59	19°29	18° 0	29°44	1°25	T 11
W12	3 46 39	25°39'04	23°51	24° 1	6° 0	28° 5	21°27	10°18	27°35	11°41	12°59	19°24	17°57	29°50	1°30	W12
T 13	3 50 35	26°39'58	6♌10	25°35	7°16	27°56	21°22	10°25	27°37	11°39	12°58	19°20	17°54	29°57	1°35	T 13
F 14	3 54 32	27°40'53	18°44	27°10	8°31	27°47	21°16	10°32	27°39	11°37	12°58	19°18	17°51	0♊ 4	1°41	F 14
S 15	3 58 29	28°41'50	1♍37	28°44	9°46	27°39	21°11	10°39	27°41	11°36	12°58	19°D17	17°48	0°10	1°46	S 15
S 16	4 2 25	29°42'48	14°53	0♐18	11° 2	27°32	21° 7	10°46	27°43	11°34	12°58	19°18	17°44	0°17	1°51	S 16
M17	4 6 22	0♐43'47	28°33	1°53	12°17	27°26	21° 2	10°53	27°46	11°33	12°58	19°20	17°41	0°24	1°56	M17
T 18	4 10 18	1°44'48	12♎41	3°27	13°32	27°21	20°57	11° 0	27°48	11°31	12°58	19°R21	17°38	0°30	2° 2	T 18
W19	4 14 15	2°45'50	27°15	5° 1	14°47	27°16	20°53	11° 7	27°50	11°29	12°58	19°21	17°35	0°37	2° 7	W19
T 20	4 18 11	3°46'53	12♏12	6°35	16° 3	27°12	20°49	11°14	27°53	11°27	12°58	19°19	17°32	0°44	2°13	T 20
F 21	4 22 8	4°47'57	27°24	8°10	17°18	27° 9	20°45	11°21	27°55	11°26	12°D58	19°15	17°28	0°51	2°18	F 21
S 22	4 26 4	5°49'01	12♐43	9°44	18°33	27° 7	20°42	11°28	27°57	11°24	12°58	19° 8	17°25	0°57	2°23	S 22
S 23	4 30 1	6°50'07	27°56	11°19	19°49	27° 6	20°38	11°35	28° 0	11°22	12°58	19° 1	17°22	1° 4	2°29	S 23
M24	4 33 58	7°51'13	12♑54	12°53	21° 4	27°D 5	20°35	11°42	28° 2	11°21	12°58	18°53	17°19	1°11	2°34	M24
T 25	4 37 54	8°52'20	27°28	14°28	22°19	27° 6	20°32	11°49	28° 5	11°19	12°58	18°46	17°16	1°17	2°40	T 25
W26	4 41 51	9°53'28	11♒34	16° 3	23°34	27° 7	20°29	11°56	28° 7	11°17	12°58	18°40	17°13	1°24	2°46	W26
T 27	4 45 47	10°54'35	25°10	17°38	24°50	27° 9	20°26	12° 3	28°10	11°16	12°58	18°37	17° 9	1°31	2°51	T 27
F 28	4 49 44	11°55'43	8♓17	19°13	26° 5	27°11	20°23	12°10	28°13	11°14	12°58	18°D36	17° 6	1°37	2°57	F 28
S 29	4 53 40	12°56'51	21° 0	20°48	27°20	27°15	20°21	12°17	28°15	11°12	12°58	18°36	17° 3	1°44	3° 2	S 29
S 30	4 57 37	13♐57'59	3♈22	22♐23	28♐35	27♈19	20♈19	12♐24	28♑18	11♊11	12♓59	18♈37	17♈ 0	1♊51	3♑ 8	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s16	10s13	3s15	13s 7	0n43	18s16	0n 9	11n32	0s15	7n26	1s30	20s38	1n18	21s24	0s35	20n53	1s29	21s23	15s59	7n50	7n18	23n11	18s 3	5n31
S 2	16 34	4 26	2 17	13 45	0 36	18 38	0 6	11 29	0 12	7 24	1 30	20 39	1 18	21 23	0 35	20 52	1 29	21 23	15 59	7 50	7 17	23 13	18 3	5 31
M 3	16 52	1n25	1 14	14 22	0 29	18 59	0 4	11 26	0 9	7 22	1 30	20 40	1 18	21 23	0 35	20 52	1 29	21 23	15 59	7 51	7 16	23 16	18 3	5 30
T 4	17 9	7 9	0 8	14 58	0 23	19 19	0 1	11 23	0 5	7 19	1 29	20 41	1 18	21 23	0 35	20 52	1 29	21 23	15 59	7 51	7 14	23 18	18 3	5 30
W 5	17 26	12 34	0n57	15 34	0 16	19 39	0s 1	11 20	0 2	7 17	1 29	20 43	1 18	21 22	0 35	20 52	1 29	21 23	15 58	7 51	7 13	23 20	18 4	5 30
T 6	17 43	17 30	1 59	16 9	0 9	19 59	0 3	11 18	0n 1	7 15	1 29	20 44	1 18	21 22	0 35	20 52	1 29	21 22	15 58	7 50	7 12	23 22	18 4	5 30
F 7	17 59	21 45	2 56	16 43	0 2	20 17	0 6	11 15	0 4	7 13	1 29	20 45	1 17	21 21	0 35	20 51	1 29	21 22	15 58	7 49	7 11	23 24	18 4	5 29
S 8	18 15	25 6	3 45	17 16	0s 5	20 36	0 8	11 13	0 6	7 11	1 28	20 46	1 17	21 21	0 35	20 51	1 29	21 22	15 57	7 47	7 9	23 26	18 4	5 29
S 9	18 31	27 23	4 25	17 49	0 11	20 53	0 11	11 12	0 9	7 9	1 28	20 47	1 17	21 21	0 35	20 51	1 29	21 22	15 57	7 45	7 8	23 28	18 4	5 29
M10	18 46	28 26	4 53	18 21	0 18	21 10	0 13	11 10	0 12	7 7	1 28	20 48	1 17	21 20	0 35	20 51	1 29	21 22	15 57	7 42	7 7	23 30	18 4	5 29
T 11	19 1	28 9	5 8	18 52	0 24	21 27	0 16	11 8	0 15	7 5	1 28	20 49	1 17	21 20	0 35	20 50	1 29	21 21	15 56	7 40	7 6	23 33	18 5	5 29
W12	19 16	26 32	5 10	19 22	0 31	21 43	0 18	11 7	0 17	7 3	1 27	20 50	1 17	21 19	0 35	20 50	1 29	21 21	15 56	7 38	7 5	23 35	18 5	5 28
T 13	19 31	23 38	4 58	19 51	0 37	21 58	0 20	11 6	0 20	7 1	1 27	20 51	1 17	21 19	0 35	20 50	1 29	21 21	15 56	7 36	7 3	23 37	18 5	5 28
F 14	19 45	19 34	4 31	20 20	0 43	22 13	0 23	11 6	0 23	7 0	1 27	20 52	1 17	21 19	0 35	20 50	1 29	21 21	15 55	7 35	7 2	23 39	18 5	5 28
S 15	19 58	14 32	3 50	20 47	0 49	22 27	0 25	11 5	0 25	6 58	1 27	20 53	1 17	21 18	0 35	20 50	1 29	21 21	15 55	7 35	7 1	23 41	18 5	5 28
S 16	20 12	8 41	2 56	21 13	0 55	22 40	0 27	11 5	0 28	6 57	1 26	20 55	1 17	21 18	0 35	20 49	1 29	21 20	15 55	7 36	7 0	23 43	18 5	5 28
M17	20 24	2 16	1 50	21 39	1 1	22 52	0 30	11 5	0 30	6 55	1 26	20 56	1 17	21 17	0 35	20 49	1 29	21 20	15 54	7 36	6 59	23 45	18 5	5 28
T 18	20 37	4s29	0 36	22 3	1 7	23 4	0 32	11 5	0 32	6 54	1 26	20 57	1 16	21 17	0 35	20 49	1 29	21 20	15 54	7 37	6 57	23 47	18 5	5 27
W19	20 49	11 13	0s43	22 26	1 13	23 16	0 35	11 5	0 35	6 52	1 26	20 58	1 16	21 16	0 35	20 49	1 29	21 20	15 54	7 37	6 56	23 49	18 5	5 27
T 20	21 1	17 29	2 0	22 48	1 18	23 26	0 37	11 6	0 37	6 51	1 25	20 59	1 16	21 16	0 35	20 48	1 29	21 19	15 53	7 36	6 55	23 51	18 5	5 27
F 21	21 12	22 47	3 11	23 9	1 23	23 36	0 39	11 7	0 39	6 50	1 25	21 0	1 16	21 15	0 35	20 48	1 29	21 19	15 53	7 34	6 54	23 53	18 6	5 27
S 22	21 23	26 32	4 8	23 29	1 28	23 45	0 41	11 8	0 41	6 49	1 25	21 1	1 16	21 15	0 35	20 48	1 29	21 19	15 53	7 32	6 52	23 55	18 6	5 27
S 23	21 34	28 20	4 47	23 47	1 33	23 54	0 44	11 10	0 43	6 48	1 24	21 2	1 16	21 14	0 35	20 48	1 29	21 18	15 52	7 29	6 51	23 57	18 6	5 27
M24	21 44	28 0	5 6	24 4	1 38	24 1	0 46	11 11	0 45	6 47	1 24	21 3	1 16	21 14	0 35	20 47	1 29	21 18	15 52	7 26	6 50	24 0	18 6	5 27
T 25	21 54	25 44	5 4	24 20	1 42	24 8	0 48	11 13	0 47	6 46	1 24	21 4	1 16	21 13	0 35	20 47	1 29	21 18	15 52	7 23	6 49	24 2	18 6	5 27
W26	22 3	21 56	4 43	24 35	1 46	24 14	0 50	11 15	0 49	6 45	1 23	21 5	1 16	21 13	0 35	20 47	1 29	21 17	15 51	7 21	6 48	24 4	18 6	5 26
T 27	22 12	17 5	4 7	24 48	1 50	24 20	0 52	11 18	0 51	6 44	1 23	21 6	1 16	21 12	0 35	20 47	1 29	21 17	15 51	7 20	6 46	24 6	18 6	5 26
F 28	22 20	11 35	3 19	25 0	1 54	24 24	0 54	11 21	0 53	6 44	1 23	21 7	1 16	21 12	0 35	20 47	1 29	21 17	15 50	7 19	6 45	24 8	18 6	5 26
S 29	22 28	5 46	2 23	25 11	1 57	24 28	0 56	11 23	0 54	6 43	1 23	21 8	1 16	21 11	0 35	20 46	1 29	21 16	15 50	7 19	6 44	24 10	18 6	5 26
S 30	22s36	0n 6	1s21	25s20	2s 0	24s32	0s58	11n26	0n56	6n43	1s22	21s 9	1n16	21s10	0s35	20n46	1s29	21s16	15s50	7n20	6n43	24n12	18s 5	5n26

Julian Day Number = 2113640.5, Delta T = 19m08s
Ecliptic obliquity = 23°33'42, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°50'37, Lahiri = 10°57'37 Julian Calendar 1 Nov. 1074 == Greg. Calendar 7 Nov. 1074

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1074
geocentric

DECEMBER 1074 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 1 33	14♐59'08	15♈29	23♐59	29♐51	27♈24	20°R17	12♐31	28♑21	11°R 9	12♓59	18°R38	16♈57	1♊57	3♑14	M 1
T 2	5 5 30	16° 0'16	27°26	25°34	1♑ 6	27°29	20♈15	12°38	28°24	11♊ 7	12°59	18♈37	16°54	2° 4	3°20	T 2
W 3	5 9 27	17° 1'25	9♉17	27°10	2°21	27°36	20°14	12°45	28°26	11° 5	12°59	18°35	16°50	2°11	3°25	W 3
T 4	5 13 23	18° 2'35	21° 6	28°45	3°36	27°43	20°13	12°53	28°29	11° 4	13° 0	18°30	16°47	2°17	3°31	T 4
F 5	5 17 20	19° 3'44	2♊55	0♑21	4°52	27°50	20°12	13° 0	28°32	11° 2	13° 0	18°22	16°44	2°24	3°37	F 5
S 6	5 21 16	20° 4'54	14°47	1°56	6° 7	27°59	20°11	13° 7	28°35	11° 0	13° 0	18°12	16°41	2°31	3°42	S 6
S 7	5 25 13	21° 6'04	26°43	3°31	7°22	28° 8	20°10	13°14	28°38	10°59	13° 1	18° 0	16°38	2°37	3°48	S 7
M 8	5 29 9	22° 7'14	8♋46	5° 6	8°37	28°17	20°10	13°21	28°41	10°57	13° 1	17°47	16°34	2°44	3°54	M 8
T 9	5 33 6	23° 8'25	20°55	6°41	9°52	28°28	20°10	13°28	28°44	10°55	13° 1	17°34	16°31	2°51	4° 0	T 9
W10	5 37 3	24° 9'36	3♌12	8°16	11° 7	28°39	20°D 9	13°35	28°47	10°54	13° 2	17°23	16°28	2°58	4° 6	W10
T 11	5 40 59	25°10'47	15°38	9°50	12°22	28°50	20°10	13°42	28°50	10°52	13° 2	17°14	16°25	3° 4	4°12	T 11
F 12	5 44 56	26°11'58	28°17	11°23	13°38	29° 2	20°10	13°49	28°53	10°50	13° 3	17° 8	16°22	3°11	4°17	F 12
S 13	5 48 52	27°13'10	11♍ 9	12°56	14°53	29°15	20°11	13°56	28°56	10°49	13° 3	17° 4	16°19	3°18	4°23	S 13
S 14	5 52 49	28°14'22	24°19	14°27	16° 8	29°28	20°11	14° 3	28°59	10°47	13° 4	17°D 3	16°15	3°24	4°29	S 14
M15	5 56 45	29°15'34	7♎50	15°57	17°23	29°42	20°12	14°10	29° 2	10°46	13° 4	17° 3	16°12	3°31	4°35	M15
T 16	6 0 42	0♑16'46	21°43	17°26	18°38	29°56	20°14	14°16	29° 6	10°44	13° 5	17°R 3	16° 9	3°38	4°41	T 16
W17	6 4 38	1°17'58	5♏59	18°52	19°53	0♉11	20°15	14°23	29° 9	10°42	13° 6	17° 2	16° 6	3°44	4°47	W17
T 18	6 8 35	2°19'11	20°38	20°17	21° 8	0°26	20°17	14°30	29°12	10°41	13° 6	16°59	16° 3	3°51	4°53	T 18
F 19	6 12 32	3°20'24	5♐35	21°38	22°23	0°42	20°19	14°37	29°15	10°39	13° 7	16°52	16° 0	3°58	4°58	F 19
S 20	6 16 28	4°21'37	20°43	22°56	23°38	0°59	20°21	14°44	29°18	10°38	13° 8	16°43	15°56	4° 4	5° 4	S 20
S 21	6 20 25	5°22'49	5♑52	24°11	24°53	1°15	20°23	14°51	29°22	10°36	13° 8	16°32	15°53	4°11	5°10	S 21
M22	6 24 21	6°24'02	20°51	25°20	26° 8	1°33	20°25	14°57	29°25	10°35	13° 9	16°20	15°50	4°18	5°16	M22
T 23	6 28 18	7°25'13	5♒31	26°25	27°23	1°51	20°28	15° 4	29°28	10°33	13°10	16° 9	15°47	4°25	5°22	T 23
W24	6 32 14	8°26'25	19°45	27°23	28°38	2° 9	20°31	15°11	29°32	10°32	13°11	15°59	15°44	4°31	5°28	W24
T 25	6 36 11	9°27'35	3♓29	28°15	29°53	2°28	20°34	15°18	29°35	10°30	13°11	15°52	15°40	4°38	5°34	T 25
F 26	6 40 8	10°28'45	16°44	28°59	1♒ 8	2°47	20°37	15°24	29°38	10°29	13°12	15°48	15°37	4°45	5°39	F 26
S 27	6 44 4	11°29'54	29°32	29°34	2°23	3° 6	20°41	15°31	29°42	10°28	13°13	15°47	15°34	4°51	5°45	S 27
S 28	6 48 1	12°31'02	11♈57	29°59	3°38	3°26	20°44	15°37	29°45	10°26	13°14	15°46	15°31	4°58	5°51	S 28
M29	6 51 57	13°32'09	24° 5	0♒15	4°53	3°47	20°48	15°44	29°48	10°25	13°15	15°46	15°28	5° 5	5°57	M29
T 30	6 55 54	14°33'15	6♉ 1	0°R19	6° 8	4° 7	20°52	15°51	29°52	10°23	13°15	15°45	15°25	5°11	6° 3	T 30
W31	6 59 50	15♑34'21	17♉51	0♒12	7♒22	4♉29	20♈56	15♐57	29♑55	10♊22	13♓16	15♈42	15♈21	5♊18	6♑ 9	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s43	5n52	0s17	25s28	2s 3	24s34	1s 0	11n30	0n58	6n42	1s22	21s10	1n16	21s10	0s35	20n46	1s29	21s15	15s49	7n20	6n41	24n14	18s 5	5n26
T 2	22 49	11 21	0n47	25 34	2 5	24 36	1 2	11 33	0 59	6 42	1 22	21 11	1 16	21 9	0 35	20 46	1 29	21 15	15 49	7 20	6 40	24 16	18 5	5 26
W 3	22 55	16 22	1 48	25 39	2 7	24 37	1 4	11 37	1 1	6 42	1 21	21 12	1 16	21 9	0 35	20 45	1 29	21 14	15 49	7 19	6 39	24 18	18 5	5 26
T 4	23 1	20 46	2 44	25 42	2 9	24 37	1 6	11 41	1 2	6 41	1 21	21 13	1 15	21 8	0 35	20 45	1 29	21 14	15 48	7 17	6 38	24 20	18 5	5 26
F 5	23 6	24 20	3 33	25 44	2 10	24 36	1 8	11 45	1 4	6 41	1 21	21 14	1 15	21 7	0 35	20 45	1 29	21 14	15 48	7 14	6 37	24 21	18 5	5 26
S 6	23 11	26 53	4 13	25 44	2 11	24 35	1 10	11 49	1 5	6 41	1 20	21 15	1 15	21 7	0 35	20 45	1 29	21 13	15 48	7 10	6 35	24 23	18 5	5 26
S 7	23 16	28 13	4 42	25 42	2 11	24 33	1 11	11 54	1 7	6 41	1 20	21 15	1 15	21 6	0 35	20 45	1 29	21 13	15 47	7 6	6 34	24 25	18 5	5 26
M 8	23 20	28 14	4 58	25 39	2 11	24 30	1 13	11 59	1 8	6 41	1 20	21 16	1 15	21 6	0 35	20 44	1 29	21 12	15 47	7 1	6 33	24 27	18 5	5 26
T 9	23 23	26 53	5 2	25 34	2 10	24 26	1 15	12 4	1 9	6 42	1 19	21 17	1 15	21 5	0 35	20 44	1 29	21 12	15 47	6 56	6 32	24 29	18 5	5 26
W10	23 26	24 15	4 51	25 27	2 9	24 21	1 16	12 9	1 11	6 42	1 19	21 18	1 15	21 4	0 35	20 44	1 28	21 11	15 46	6 52	6 30	24 31	18 4	5 26
T 11	23 28	20 28	4 26	25 19	2 7	24 16	1 18	12 14	1 12	6 42	1 19	21 19	1 15	21 4	0 35	20 44	1 28	21 11	15 46	6 48	6 29	24 33	18 4	5 26
F 12	23 30	15 42	3 48	25 9	2 5	24 10	1 19	12 19	1 13	6 43	1 18	21 20	1 15	21 3	0 35	20 44	1 28	21 10	15 46	6 46	6 28	24 35	18 4	5 26
S 13	23 32	10 10	2 58	24 57	2 2	24 4	1 21	12 25	1 14	6 43	1 18	21 21	1 15	21 2	0 35	20 43	1 28	21 10	15 45	6 44	6 27	24 37	18 4	5 26
S 14	23 33	4 4	1 58	24 44	1 58	23 56	1 22	12 31	1 15	6 44	1 18	21 22	1 15	21 2	0 35	20 43	1 28	21 9	15 45	6 44	6 26	24 39	18 4	5 26
M15	23 34	2s23	0 49	24 29	1 54	23 48	1 23	12 36	1 16	6 45	1 17	21 22	1 15	21 1	0 35	20 43	1 28	21 9	15 45	6 44	6 24	24 41	18 3	5 26
T 16	23 34	8 53	0s25	24 13	1 49	23 39	1 25	12 42	1 17	6 45	1 17	21 23	1 15	21 0	0 35	20 43	1 28	21 8	15 44	6 44	6 23	24 43	18 3	5 26
W17	23 33	15 8	1 39	23 55	1 43	23 30	1 26	12 49	1 18	6 46	1 17	21 24	1 15	21 0	0 35	20 43	1 28	21 8	15 44	6 44	6 22	24 45	18 3	5 26
T 18	23 32	20 42	2 48	23 36	1 36	23 19	1 27	12 55	1 19	6 47	1 16	21 25	1 15	20 59	0 35	20 42	1 28	21 7	15 44	6 42	6 21	24 46	18 3	5 26
F 19	23 31	25 4	3 47	23 16	1 28	23 8	1 28	13 1	1 20	6 48	1 16	21 26	1 15	20 58	0 35	20 42	1 28	21 7	15 43	6 40	6 19	24 48	18 2	5 26
S 20	23 29	27 44	4 31	22 54	1 20	22 56	1 29	13 8	1 21	6 49	1 16	21 27	1 15	20 58	0 35	20 42	1 28	21 6	15 43	6 36	6 18	24 50	18 2	5 26
S 21	23 27	28 21	4 55	22 32	1 10	22 44	1 30	13 15	1 22	6 50	1 15	21 27	1 15	20 57	0 35	20 42	1 28	21 6	15 43	6 32	6 17	24 52	18 2	5 26
M22	23 24	26 52	5 0	22 9	0 59	22 31	1 31	13 22	1 23	6 51	1 15	21 28	1 15	20 56	0 34	20 42	1 28	21 5	15 43	6 27	6 16	24 54	18 2	5 26
T 23	23 21	23 34	4 44	21 45	0 47	22 17	1 32	13 29	1 23	6 53	1 15	21 29	1 15	20 56	0 34	20 41	1 28	21 4	15 42	6 23	6 14	24 56	18 1	5 26
W24	23 17	18 56	4 11	21 21	0 35	22 3	1 32	13 36	1 24	6 54	1 15	21 30	1 15	20 55	0 34	20 41	1 28	21 4	15 42	6 19	6 13	24 58	18 1	5 26
T 25	23 13	13 26	3 24	20 57	0 21	21 48	1 33	13 43	1 25	6 56	1 14	21 30	1 15	20 54	0 34	20 41	1 28	21 3	15 42	6 17	6 12	24 59	18 1	5 26
F 26	23 9	7 31	2 27	20 34	0 6	21 32	1 34	13 50	1 26	6 57	1 14	21 31	1 15	20 54	0 34	20 41	1 28	21 3	15 41	6 15	6 11	25 1	18 0	5 26
S 27	23 4	1 29	1 25	20 11	0n10	21 15	1 34	13 58	1 26	6 59	1 14	21 32	1 15	20 53	0 34	20 41	1 28	21 2	15 41	6 14	6 10	25 3	18 0	5 26
S 28	22 58	4n26	0 20	19 49	0 27	20 58	1 35	14 5	1 27	7 0	1 13	21 33	1 15	20 52	0 34	20 41	1 28	21 1	15 41	6 14	6 8	25 5	18 0	5 26
M29	22 52	10 4	0n44	19 29	0 44	20 41	1 35	14 13	1 28	7 2	1 13	21 33	1 15	20 51	0 34	20 40	1 28	21 1	15 40	6 14	6 7	25 7	17 59	5 27
T 30	22 46	15 15	1 45	19 10	1 2	20 23	1 36	14 20	1 28	7 4	1 13	21 34	1 15	20 51	0 34	20 40	1 28	21 0	15 40	6 14	6 6	25 8	17 59	5 27
W31	22s39	19n49	2n41	18s54	1n21	20s 4	1s36	14n28	1n29	7n 6	1s12	21s35	1n15	20s50	0s34	20n40	1s28	21s 0	15s40	6n13	6n 5	25n10	17s59	5n27

Julian Day Number = 2113670.5, Delta T = 19m07s
Ecliptic obliquity = 23°33'41, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°50'41, Lahiri = 10°57'41 Julian Calendar 1 Dec. 1074 == Greg. Calendar 7 Dec. 1074

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1075
geocentric

JANUARY 1075 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 3 47	16♉35'26	29♉39	29°R53	8♒37	4♉50	21♈ 1	16♐ 3	29♉59	10°R21	13♓17	15°R36	15♈18	5♊25	6♉14	T 1
F 2	7 7 43	17°36'29	11♊29	29♉23	9°52	5°12	21° 5	16°10	0♒ 2	10♊19	13°18	15♈27	15°15	5°31	6°20	F 2
S 3	7 11 40	18°37'32	23°25	28°41	11° 7	5°34	21°10	16°16	0° 6	10°18	13°19	15°16	15°12	5°38	6°26	S 3
S 4	7 15 37	19°38'34	5♋29	27°50	12°21	5°57	21°15	16°23	0° 9	10°17	13°20	15° 2	15° 9	5°45	6°32	S 4
M 5	7 19 33	20°39'35	17°42	26°49	13°36	6°20	21°20	16°29	0°12	10°16	13°21	14°47	15° 6	5°51	6°37	M 5
T 6	7 23 30	21°40'35	0♌ 4	25°42	14°51	6°43	21°25	16°35	0°16	10°15	13°22	14°33	15° 2	5°58	6°43	T 6
W 7	7 27 26	22°41'35	12°37	24°30	16° 6	7° 6	21°31	16°41	0°19	10°13	13°23	14°20	14°59	6° 5	6°49	W 7
T 8	7 31 23	23°42'33	25°19	23°15	17°20	7°30	21°37	16°47	0°23	10°12	13°24	14°10	14°56	6°12	6°54	T 8
F 9	7 35 19	24°43'30	8♍12	21°59	18°35	7°54	21°42	16°53	0°26	10°11	13°25	14° 2	14°53	6°18	7° 0	F 9
S 10	7 39 16	25°44'27	21°17	20°46	19°49	8°19	21°48	17° 0	0°30	10°10	13°26	13°58	14°50	6°25	7° 6	S 10
S 11	7 43 12	26°45'23	4♎34	19°35	21° 4	8°43	21°55	17° 6	0°33	10° 9	13°28	13°56	14°46	6°32	7°11	S 11
M12	7 47 9	27°46'18	18° 5	18°30	22°18	9° 8	22° 1	17°11	0°37	10° 8	13°29	13°D56	14°43	6°38	7°17	M12
T 13	7 51 6	28°47'12	1♏51	17°32	23°33	9°33	22° 7	17°17	0°40	10° 7	13°30	13°R56	14°40	6°45	7°23	T 13
W14	7 55 2	29°48'05	15°55	16°41	24°47	9°59	22°14	17°23	0°44	10° 6	13°31	13°55	14°37	6°52	7°28	W14
T 15	7 58 59	0♒48'58	0♐14	15°58	26° 2	10°25	22°21	17°29	0°47	10° 5	13°32	13°52	14°34	6°58	7°34	T 15
F 16	8 2 55	1°49'50	14°48	15°24	27°16	10°51	22°28	17°35	0°51	10° 4	13°33	13°46	14°31	7° 5	7°39	F 16
S 17	8 6 52	2°50'41	29°32	14°58	28°30	11°17	22°35	17°40	0°54	10° 3	13°35	13°38	14°27	7°12	7°45	S 17
S 18	8 10 48	3°51'31	14♑18	14°41	29°45	11°43	22°42	17°46	0°58	10° 2	13°36	13°28	14°24	7°19	7°50	S 18
M19	8 14 45	4°52'19	28°59	14°31	0♓59	12°10	22°50	17°52	1° 1	10° 1	13°37	13°16	14°21	7°25	7°55	M19
T 20	8 18 41	5°53'06	13♒27	14°D29	2°13	12°37	22°57	17°57	1° 5	10° 1	13°38	13° 6	14°18	7°32	8° 1	T 20
W21	8 22 38	6°53'52	27°34	14°35	3°28	13° 4	23° 5	18° 3	1° 8	10° 0	13°40	12°57	14°15	7°39	8° 6	W21
T 22	8 26 35	7°54'36	11♓17	14°47	4°42	13°32	23°13	18° 8	1°12	9°59	13°41	12°50	14°12	7°45	8°11	T 22
F 23	8 30 31	8°55'19	24°34	15° 5	5°56	13°59	23°21	18°13	1°15	9°58	13°42	12°46	14° 8	7°52	8°17	F 23
S 24	8 34 28	9°56'00	7♈26	15°30	7°10	14°27	23°29	18°19	1°19	9°58	13°43	12°D44	14° 5	7°59	8°22	S 24
S 25	8 38 24	10°56'39	19°56	15°59	8°24	14°55	23°38	18°24	1°22	9°57	13°45	12°44	14° 2	8° 5	8°27	S 25
M26	8 42 21	11°57'16	2♉ 7	16°34	9°38	15°23	23°46	18°29	1°26	9°56	13°46	12°45	13°59	8°12	8°32	M26
T 27	8 46 17	12°57'52	14° 7	17°13	10°52	15°52	23°55	18°34	1°29	9°56	13°47	12°R45	13°56	8°19	8°37	T 27
W28	8 50 14	13°58'26	25°58	17°56	12° 6	16°20	24° 4	18°39	1°33	9°55	13°49	12°44	13°52	8°25	8°42	W28
T 29	8 54 10	14°58'58	7♊48	18°44	13°20	16°49	24°12	18°44	1°36	9°55	13°50	12°42	13°49	8°32	8°47	T 29
F 30	8 58 7	15°59'28	19°40	19°34	14°34	17°18	24°21	18°49	1°40	9°54	13°51	12°36	13°46	8°39	8°52	F 30
S 31	9 2 4	16♒59'57	1♋40	20♉28	15♓48	17♉47	24♈31	18♐54	1♒43	9♊54	13♓53	12♈29	13♈43	8♊46	8♉57	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s32	23n35	3n29	18s39	1n40	19s45	1s36	14n36	1n29	7n 8	1s12	21s35	1n15	20s49	0s34	20n40	1s28	20s59	15s40	6n10	6n 3	25n12	17s58	5n27
F 2	22 24	26 23	4 9	18 28	1 58	19 25	1 36	14 44	1 30	7 10	1 12	21 36	1 15	20 48	0 34	20 40	1 28	20 58	15 39	6 7	6 2	25 14	17 58	5 27
S 3	22 16	28 2	4 38	18 19	2 16	19 4	1 36	14 52	1 30	7 12	1 11	21 37	1 15	20 48	0 34	20 40	1 28	20 58	15 39	6 2	6 1	25 16	17 57	5 27
S 4	22 7	28 22	4 55	18 12	2 33	18 43	1 36	15 0	1 31	7 14	1 11	21 37	1 15	20 47	0 34	20 39	1 28	20 57	15 39	5 57	6 0	25 17	17 57	5 27
M 5	21 58	27 19	4 59	18 9	2 48	18 22	1 36	15 8	1 31	7 16	1 11	21 38	1 15	20 46	0 34	20 39	1 28	20 56	15 38	5 51	5 58	25 19	17 57	5 28
T 6	21 48	24 56	4 49	18 8	3 2	18 0	1 36	15 16	1 32	7 18	1 11	21 39	1 15	20 45	0 34	20 39	1 28	20 56	15 38	5 46	5 57	25 21	17 56	5 28
W 7	21 38	21 20	4 24	18 9	3 14	17 37	1 36	15 24	1 32	7 21	1 10	21 39	1 15	20 45	0 34	20 39	1 28	20 55	15 38	5 41	5 56	25 23	17 56	5 28
T 8	21 28	16 42	3 47	18 12	3 24	17 14	1 36	15 33	1 33	7 23	1 10	21 40	1 15	20 44	0 34	20 39	1 28	20 55	15 38	5 37	5 55	25 24	17 55	5 28
F 9	21 17	11 16	2 57	18 17	3 31	16 50	1 35	15 41	1 33	7 26	1 10	21 40	1 15	20 43	0 34	20 39	1 28	20 54	15 37	5 34	5 54	25 26	17 55	5 28
S 10	21 6	5 16	1 57	18 24	3 35	16 27	1 35	15 49	1 34	7 28	1 9	21 41	1 15	20 42	0 34	20 39	1 27	20 53	15 37	5 32	5 52	25 28	17 54	5 28
S 11	20 55	1s 4	0 49	18 32	3 38	16 2	1 34	15 58	1 34	7 31	1 9	21 41	1 15	20 42	0 34	20 39	1 27	20 53	15 37	5 31	5 51	25 30	17 54	5 29
M12	20 43	7 28	0s22	18 41	3 37	15 37	1 34	16 6	1 34	7 33	1 9	21 42	1 15	20 41	0 34	20 39	1 27	20 52	15 37	5 31	5 50	25 31	17 53	5 29
T 13	20 30	13 38	1 33	18 51	3 35	15 12	1 33	16 15	1 35	7 36	1 8	21 43	1 15	20 40	0 34	20 38	1 27	20 51	15 36	5 31	5 49	25 33	17 53	5 29
W14	20 18	19 15	2 41	19 2	3 31	14 46	1 32	16 23	1 35	7 39	1 8	21 43	1 15	20 39	0 34	20 38	1 27	20 51	15 36	5 31	5 47	25 35	17 52	5 29
T 15	20 5	23 52	3 39	19 13	3 25	14 20	1 31	16 32	1 35	7 42	1 8	21 44	1 15	20 39	0 34	20 38	1 27	20 50	15 36	5 30	5 46	25 36	17 52	5 29
F 16	19 51	27 4	4 24	19 24	3 18	13 54	1 31	16 40	1 36	7 44	1 8	21 44	1 15	20 38	0 34	20 38	1 27	20 49	15 36	5 28	5 45	25 38	17 51	5 30
S 17	19 37	28 26	4 53	19 35	3 9	13 27	1 30	16 49	1 36	7 47	1 7	21 45	1 15	20 37	0 34	20 38	1 27	20 49	15 36	5 24	5 44	25 40	17 51	5 30
S 18	19 23	27 47	5 2	19 46	3 0	13 0	1 29	16 57	1 36	7 50	1 7	21 45	1 15	20 36	0 34	20 38	1 27	20 48	15 35	5 20	5 42	25 41	17 50	5 30
M19	19 9	25 12	4 51	19 58	2 49	12 33	1 28	17 6	1 36	7 53	1 7	21 46	1 15	20 36	0 35	20 38	1 27	20 47	15 35	5 16	5 41	25 43	17 50	5 30
T 20	18 54	21 2	4 21	20 8	2 39	12 5	1 26	17 14	1 37	7 56	1 7	21 46	1 15	20 35	0 35	20 38	1 27	20 47	15 35	5 12	5 40	25 45	17 49	5 31
W21	18 39	15 45	3 36	20 19	2 27	11 37	1 25	17 23	1 37	8 0	1 6	21 47	1 15	20 34	0 35	20 38	1 27	20 46	15 35	5 8	5 39	25 46	17 48	5 31
T 22	18 23	9 49	2 39	20 29	2 16	11 8	1 24	17 31	1 37	8 3	1 6	21 47	1 15	20 33	0 35	20 38	1 27	20 45	15 35	5 6	5 37	25 48	17 48	5 31
F 23	18 7	3 37	1 35	20 39	2 4	10 39	1 22	17 40	1 37	8 6	1 6	21 47	1 15	20 33	0 35	20 38	1 27	20 44	15 34	5 4	5 36	25 50	17 47	5 31
S 24	17 51	2n32	0 28	20 47	1 53	10 11	1 21	17 48	1 38	8 9	1 5	21 48	1 15	20 32	0 35	20 38	1 27	20 44	15 34	5 3	5 35	25 51	17 47	5 32
S 25	17 34	8 25	0n38	20 56	1 41	9 41	1 19	17 57	1 38	8 13	1 5	21 48	1 15	20 31	0 35	20 38	1 27	20 43	15 34	5 3	5 34	25 53	17 46	5 32
M26	17 18	13 52	1 42	21 3	1 29	9 12	1 18	18 6	1 38	8 16	1 5	21 49	1 15	20 30	0 35	20 38	1 27	20 42	15 34	5 4	5 33	25 55	17 45	5 32
T 27	17 1	18 41	2 39	21 10	1 18	8 42	1 16	18 14	1 38	8 19	1 5	21 49	1 15	20 30	0 35	20 37	1 27	20 42	15 34	5 4	5 31	25 56	17 45	5 33
W28	16 43	22 44	3 30	21 15	1 6	8 12	1 14	18 23	1 38	8 23	1 4	21 50	1 15	20 29	0 35	20 37	1 27	20 41	15 34	5 3	5 30	25 58	17 44	5 33
T 29	16 25	25 51	4 11	21 20	0 55	7 42	1 13	18 31	1 38	8 26	1 4	21 50	1 15	20 28	0 35	20 37	1 27	20 40	15 33	5 2	5 29	25 59	17 44	5 33
F 30	16 7	27 50	4 41	21 24	0 44	7 12	1 11	18 40	1 39	8 30	1 4	21 50	1 15	20 27	0 35	20 37	1 26	20 40	15 33	5 0	5 28	26 1	17 43	5 34
S 31	15s49	28n33	5n 0	21s26	0n33	6s41	1s 9	18n48	1n39	8n34	1s 4	21s51	1n15	20s27	0s35	20n37	1s26	20s39	15s33	4n57	5n26	26n 3	17s42	5n34

Julian Day Number = 2113701.5, Delta T = 19m07s
Ecliptic obliquity = 23°33'41, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°50'45, Lahiri = 10°57'45 Julian Calendar 1 Jan. 1075 == Greg. Calendar 7 Jan. 1075

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1075
geocentric

FEBRUARY 1075 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 6 0	18♒ 0'23	13♋49	21♑25	17♓ 1	18♉16	24♈40	18♐58	1♒46	9R53	13♓54	12°R19	13♈40	8♊52	9♑ 2	S 1
M 2	9 9 57	19° 0'48	26°12	22°25	18°15	18°46	24°49	19° 3	1°50	9♊53	13°56	12♈ 9	13°37	8°59	9° 7	M 2
T 3	9 13 53	20° 1'11	8♌47	23°28	19°29	19°15	24°59	19° 8	1°53	9°53	13°57	11°59	13°33	9° 6	9°12	T 3
W 4	9 17 50	21° 1'32	21°37	24°32	20°42	19°45	25° 9	19°12	1°56	9°52	13°58	11°50	13°30	9°12	9°17	W 4
T 5	9 21 46	22° 1'52	4♍40	25°39	21°56	20°15	25°18	19°17	2° 0	9°52	14° 0	11°43	13°27	9°19	9°21	T 5
F 6	9 25 43	23° 2'09	17°56	26°49	23° 9	20°45	25°28	19°21	2° 3	9°52	14° 1	11°38	13°24	9°26	9°26	F 6
S 7	9 29 39	24° 2'25	1♎23	28° 0	24°23	21°15	25°38	19°25	2° 6	9°51	14° 3	11°35	13°21	9°32	9°31	S 7
S 8	9 33 36	25° 2'40	14°59	29°13	25°36	21°46	25°48	19°29	2°10	9°51	14° 4	11°D35	13°18	9°39	9°35	S 8
M 9	9 37 33	26° 2'52	28°45	0♒28	26°49	22°16	25°59	19°34	2°13	9°51	14° 6	11°36	13°14	9°46	9°40	M 9
T 10	9 41 29	27° 3'04	12♏40	1°44	28° 2	22°47	26° 9	19°38	2°16	9°51	14° 7	11°37	13°11	9°53	9°44	T 10
W11	9 45 26	28° 3'14	26°43	3° 3	29°16	23°17	26°19	19°42	2°20	9°51	14° 9	11°R38	13° 8	9°59	9°49	W11
T 12	9 49 22	29° 3'22	10♐53	4°22	0♈29	23°48	26°30	19°46	2°23	9°51	14°10	11°37	13° 5	10° 6	9°53	T 12
F 13	9 53 19	0♓ 3'29	25° 9	5°43	1°42	24°19	26°41	19°49	2°26	9°D51	14°12	11°35	13° 2	10°13	9°57	F 13
S 14	9 57 15	1° 3'34	9♑28	7° 6	2°55	24°50	26°51	19°53	2°29	9°51	14°13	11°31	12°58	10°19	10° 2	S 14
S 15	10 1 12	2° 3'37	23°46	8°30	4° 8	25°22	27° 2	19°57	2°32	9°51	14°15	11°25	12°55	10°26	10° 6	S 15
M16	10 5 8	3° 3'39	7♒58	9°56	5°21	25°53	27°13	20° 0	2°35	9°51	14°16	11°19	12°52	10°33	10°10	M16
T 17	10 9 5	4° 3'39	22° 0	11°22	6°34	26°24	27°24	20° 4	2°39	9°51	14°18	11°13	12°49	10°39	10°14	T 17
W18	10 13 2	5° 3'37	5♓46	12°50	7°46	26°56	27°35	20° 7	2°42	9°51	14°19	11° 7	12°46	10°46	10°18	W18
T 19	10 16 58	6° 3'33	19°15	14°19	8°59	27°28	27°47	20°10	2°45	9°51	14°21	11° 4	12°43	10°53	10°22	T 19
F 20	10 20 55	7° 3'27	2♈23	15°50	10°12	28° 0	27°58	20°14	2°48	9°51	14°22	11° 2	12°39	11° 0	10°26	F 20
S 21	10 24 51	8° 3'18	15°10	17°22	11°24	28°31	28°10	20°17	2°51	9°52	14°24	11°D 2	12°36	11° 6	10°30	S 21
S 22	10 28 48	9° 3'08	27°40	18°55	12°37	29° 3	28°21	20°20	2°54	9°52	14°25	11° 3	12°33	11°13	10°34	S 22
M23	10 32 44	10° 2'55	9♉53	20°29	13°49	29°36	28°33	20°23	2°57	9°52	14°27	11° 4	12°30	11°20	10°38	M23
T 24	10 36 41	11° 2'41	21°54	22° 4	15° 2	0♊ 8	28°44	20°26	3° 0	9°53	14°28	11° 6	12°27	11°26	10°41	T 24
W25	10 40 37	12° 2'23	3♊48	23°41	16°14	0°40	28°56	20°28	3° 3	9°53	14°30	11° 7	12°24	11°33	10°45	W25
T 26	10 44 34	13° 2'04	15°40	25°19	17°26	1°13	29° 8	20°31	3° 6	9°53	14°31	11°R 8	12°20	11°40	10°48	T 26
F 27	10 48 31	14° 1'42	27°34	26°58	18°38	1°45	29°20	20°34	3° 8	9°54	14°33	11° 7	12°17	11°47	10°52	F 27
S 28	10 52 27	15♓ 1'19	9♋34	28♒38	19♈50	2♊18	29♈32	20♐36	3♒11	9♊54	14♓34	11♈ 4	12♈14	11♊53	10♑55	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s31	27n54	5n 5	21s28	0n23	6s11	1s 7	18n56	1n39	8n37	1s 3	21s51	1n15	20s26	0s35	20n37	1s26	20s38	15s33	4n54	5n25	26n 4	17s42	5n34
M 2	15 12	25 52	4 56	21 29	0 13	5 40	1 5	19 5	1 39	8 41	1 3	21 51	1 15	20 25	0 35	20 37	1 26	20 38	15 33	4 50	5 24	26 6	17 41	5 35
T 3	14 53	22 32	4 33	21 28	0 3	5 9	1 3	19 13	1 39	8 45	1 3	21 52	1 15	20 24	0 35	20 37	1 26	20 37	15 33	4 46	5 23	26 7	17 40	5 35
W 4	14 34	18 5	3 55	21 26	0s 7	4 38	1 1	19 21	1 39	8 48	1 3	21 52	1 15	20 24	0 35	20 37	1 26	20 36	15 33	4 42	5 21	26 9	17 40	5 35
T 5	14 14	12 43	3 5	21 23	0 16	4 7	0 58	19 29	1 39	8 52	1 3	21 52	1 15	20 23	0 35	20 37	1 26	20 36	15 32	4 39	5 20	26 10	17 39	5 36
F 6	13 54	6 41	2 4	21 19	0 25	3 35	0 56	19 38	1 39	8 56	1 2	21 53	1 16	20 22	0 35	20 37	1 26	20 35	15 32	4 37	5 19	26 12	17 38	5 36
S 7	13 35	0 17	0 55	21 13	0 34	3 4	0 54	19 46	1 39	9 0	1 2	21 53	1 16	20 21	0 35	20 37	1 26	20 34	15 32	4 36	5 18	26 13	17 38	5 36
S 8	13 14	6s13	0s18	21 6	0 42	2 32	0 51	19 54	1 39	9 4	1 2	21 53	1 16	20 21	0 35	20 37	1 26	20 34	15 32	4 36	5 16	26 15	17 37	5 37
M 9	12 54	12 31	1 31	20 58	0 50	2 1	0 49	20 2	1 39	9 8	1 2	21 54	1 16	20 20	0 35	20 37	1 26	20 33	15 32	4 37	5 15	26 16	17 36	5 37
T 10	12 33	18 15	2 40	20 49	0 58	1 29	0 46	20 10	1 40	9 12	1 1	21 54	1 16	20 19	0 35	20 38	1 26	20 32	15 32	4 37	5 14	26 18	17 36	5 37
W11	12 13	23 5	3 40	20 38	1 5	0 58	0 44	20 18	1 40	9 16	1 1	21 54	1 16	20 18	0 35	20 38	1 26	20 32	15 32	4 37	5 13	26 19	17 35	5 38
T 12	11 52	26 35	4 26	20 26	1 12	0 26	0 41	20 26	1 40	9 20	1 1	21 54	1 16	20 18	0 35	20 38	1 26	20 31	15 32	4 37	5 11	26 21	17 34	5 38
F 13	11 31	28 25	4 57	20 13	1 19	0n 6	0 38	20 33	1 40	9 24	1 1	21 55	1 16	20 17	0 35	20 38	1 26	20 30	15 32	4 36	5 10	26 22	17 34	5 39
S 14	11 9	28 22	5 9	19 58	1 25	0 37	0 36	20 41	1 40	9 28	1 1	21 55	1 16	20 16	0 35	20 38	1 26	20 30	15 32	4 35	5 9	26 24	17 33	5 39
S 15	10 48	26 25	5 2	19 42	1 31	1 9	0 33	20 49	1 40	9 32	1 0	21 55	1 16	20 16	0 35	20 38	1 26	20 29	15 32	4 32	5 8	26 25	17 32	5 39
M16	10 26	22 49	4 37	19 24	1 37	1 41	0 30	20 56	1 40	9 36	1 0	21 55	1 16	20 15	0 35	20 38	1 26	20 28	15 31	4 30	5 6	26 27	17 31	5 40
T 17	10 4	17 57	3 55	19 6	1 42	2 12	0 27	21 4	1 40	9 40	1 0	21 55	1 16	20 14	0 35	20 38	1 25	20 28	15 31	4 27	5 5	26 28	17 31	5 40
W18	9 42	12 14	3 0	18 45	1 47	2 44	0 24	21 11	1 40	9 44	1 0	21 56	1 16	20 13	0 35	20 38	1 25	20 27	15 31	4 25	5 4	26 30	17 30	5 41
T 19	9 20	6 3	1 56	18 24	1 51	3 15	0 21	21 19	1 40	9 49	0 59	21 56	1 16	20 13	0 35	20 38	1 25	20 26	15 31	4 24	5 3	26 31	17 29	5 41
F 20	8 58	0n14	0 47	18 1	1 56	3 47	0 18	21 26	1 40	9 53	0 59	21 56	1 16	20 12	0 35	20 38	1 25	20 26	15 31	4 23	5 1	26 33	17 29	5 41
S 21	8 35	6 21	0n23	17 36	1 59	4 18	0 15	21 33	1 40	9 57	0 59	21 56	1 16	20 11	0 35	20 38	1 25	20 25	15 31	4 23	5 0	26 34	17 28	5 42
S 22	8 13	12 5	1 30	17 10	2 3	4 50	0 12	21 40	1 40	10 2	0 59	21 56	1 16	20 11	0 35	20 38	1 25	20 25	15 31	4 23	4 59	26 35	17 27	5 42
M23	7 50	17 14	2 31	16 43	2 5	5 21	0 9	21 47	1 40	10 6	0 59	21 56	1 16	20 10	0 35	20 38	1 25	20 24	15 31	4 24	4 58	26 37	17 26	5 43
T 24	7 28	21 38	3 25	16 14	2 8	5 52	0 6	21 54	1 40	10 10	0 59	21 57	1 16	20 9	0 35	20 39	1 25	20 23	15 31	4 25	4 57	26 38	17 26	5 43
W25	7 5	25 6	4 10	15 44	2 10	6 23	0 2	22 1	1 39	10 15	0 58	21 57	1 16	20 9	0 35	20 39	1 25	20 23	15 31	4 25	4 55	26 40	17 25	5 44
T 26	6 42	27 29	4 43	15 13	2 12	6 54	0n 1	22 8	1 39	10 19	0 58	21 57	1 17	20 8	0 35	20 39	1 25	20 22	15 31	4 25	4 54	26 41	17 24	5 44
F 27	6 19	28 37	5 5	14 40	2 13	7 24	0 4	22 14	1 39	10 23	0 58	21 57	1 17	20 7	0 35	20 39	1 25	20 22	15 31	4 25	4 53	26 42	17 23	5 45
S 28	5s56	28n25	5n13	14s 5	2s13	7n55	0n 7	22n21	1n39	10n28	0s58	21s57	1n17	20s 7	0s35	20n39	1s25	20s21	15s31	4n24	4n52	26n44	17s23	5n45

Julian Day Number = 2113732.5, Delta T = 19m07s
Ecliptic obliquity = 23°33'42, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°50'49, Lahiri = 10°57'50 Julian Calendar 1 Feb. 1075 == Greg. Calendar 7 Feb. 1075

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1075
geocentric

MARCH 1075 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 56 24	16♓ 0'52	21♋47	0♓20	21♈ 2	2♊50	29♈44	20♐39	3♒14	9♊55	14♓36	11°R 1	12♈11	12♊ 0	10♑59	S 1
M 2	11 0 20	17° 0'24	4♌14	2° 3	22°14	3°23	29°56	20°41	3°17	9°56	14°37	10♈58	12° 8	12° 7	11° 2	M 2
T 3	11 4 17	17°59'53	16°58	3°47	23°26	3°56	0♉ 9	20°43	3°20	9°56	14°39	10°54	12° 4	12°13	11° 5	T 3
W 4	11 8 13	18°59'20	0♍ 1	5°32	24°38	4°29	0°21	20°45	3°22	9°57	14°41	10°50	12° 1	12°20	11° 8	W 4
T 5	11 12 10	19°58'44	13°22	7°19	25°49	5° 2	0°33	20°47	3°25	9°57	14°42	10°48	11°58	12°27	11°11	T 5
F 6	11 16 6	20°58'07	27° 1	9° 7	27° 1	5°35	0°46	20°49	3°28	9°58	14°44	10°46	11°55	12°33	11°14	F 6
S 7	11 20 3	21°57'27	10♎54	10°56	28°12	6° 8	0°58	20°51	3°30	9°59	14°45	10°D46	11°52	12°40	11°17	S 7
S 8	11 24 0	22°56'46	24°58	12°47	29°23	6°41	1°11	20°53	3°33	10° 0	14°47	10°46	11°49	12°47	11°20	S 8
M 9	11 27 56	23°56'02	9♏10	14°39	0♉35	7°14	1°24	20°54	3°35	10° 0	14°48	10°47	11°45	12°54	11°23	M 9
T 10	11 31 53	24°55'17	23°25	16°32	1°46	7°48	1°36	20°56	3°38	10° 1	14°50	10°49	11°42	13° 0	11°26	T 10
W11	11 35 49	25°54'30	7♐42	18°27	2°57	8°21	1°49	20°57	3°40	10° 2	14°51	10°50	11°39	13° 7	11°29	W11
T 12	11 39 46	26°53'42	21°57	20°23	4° 8	8°55	2° 2	20°59	3°43	10° 3	14°53	10°R50	11°36	13°14	11°31	T 12
F 13	11 43 42	27°52'51	6♑ 7	22°20	5°19	9°28	2°15	21° 0	3°45	10° 4	14°54	10°50	11°33	13°20	11°34	F 13
S 14	11 47 39	28°51'59	20°11	24°19	6°29	10° 2	2°28	21° 1	3°47	10° 5	14°56	10°49	11°29	13°27	11°36	S 14
S 15	11 51 35	29°51'05	4♒ 6	26°19	7°40	10°35	2°41	21° 2	3°50	10° 6	14°57	10°48	11°26	13°34	11°38	S 15
M16	11 55 32	0♈50'09	17°51	28°20	8°51	11° 9	2°54	21° 3	3°52	10° 7	14°59	10°47	11°23	13°41	11°41	M16
T 17	11 59 29	1°49'11	1♓24	0♈22	10° 1	11°43	3° 7	21° 4	3°54	10° 8	15° 0	10°46	11°20	13°47	11°43	T 17
W18	12 3 25	2°48'11	14°43	2°25	11°11	12°17	3°20	21° 5	3°57	10° 9	15° 2	10°45	11°17	13°54	11°45	W18
T 19	12 7 22	3°47'09	27°49	4°29	12°22	12°51	3°34	21° 6	3°59	10°10	15° 3	10°44	11°14	14° 1	11°47	T 19
F 20	12 11 18	4°46'06	10♈39	6°33	13°32	13°25	3°47	21° 6	4° 1	10°11	15° 4	10°D44	11°10	14° 7	11°49	F 20
S 21	12 15 15	5°45'00	23°15	8°39	14°42	13°59	4° 0	21° 7	4° 3	10°12	15° 6	10°44	11° 7	14°14	11°51	S 21
S 22	12 19 11	6°43'52	5♉37	10°44	15°52	14°33	4°14	21° 7	4° 5	10°13	15° 7	10°45	11° 4	14°21	11°53	S 22
M23	12 23 8	7°42'42	17°47	12°50	17° 1	15° 7	4°27	21° 7	4° 7	10°15	15° 9	10°45	11° 1	14°27	11°55	M23
T 24	12 27 4	8°41'29	29°47	14°56	18°11	15°41	4°40	21° 7	4° 9	10°16	15°10	10°45	10°58	14°34	11°56	T 24
W25	12 31 1	9°40'15	11♊41	17° 1	19°21	16°15	4°54	21°R 8	4°11	10°17	15°12	10°45	10°55	14°41	11°58	W25
T 26	12 34 57	10°38'58	23°33	19° 6	20°30	16°50	5° 8	21° 7	4°13	10°18	15°13	10°R45	10°51	14°48	12° 0	T 26
F 27	12 38 54	11°37'39	5♋27	21° 9	21°39	17°24	5°21	21° 7	4°15	10°20	15°14	10°D45	10°48	14°54	12° 1	F 27
S 28	12 42 51	12°36'18	17°27	23°12	22°49	17°58	5°35	21° 7	4°16	10°21	15°16	10°45	10°45	15° 1	12° 2	S 28
S 29	12 46 47	13°34'54	29°39	25°12	23°58	18°33	5°48	21° 7	4°18	10°22	15°17	10°46	10°42	15° 8	12° 4	S 29
M30	12 50 44	14°33'29	12♌ 5	27°11	25° 6	19° 7	6° 2	21° 6	4°20	10°24	15°19	10°46	10°39	15°14	12° 5	M30
T 31	12 54 40	15♈32'01	24♌51	29♈ 7	26♉15	19♊42	6♉16	21♐ 6	4♒21	10♊25	15♓20	10♈46	10♈35	15♊21	12♑ 6	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s33	26n51	5n 8	13s30	2s14	8n25	0n11	22n27	1n39	10n32	0s58	21s57	1n17	20s 6	0s35	20n39	1s25	20s20	15s31	4n23	4n50	26n45	17s22	5n45
M 2	5 9	23 58	4 48	12 53	2 14	8 55	0 14	22 34	1 39	10 37	0 57	21 57	1 17	20 6	0 35	20 39	1 25	20 20	15 31	4 22	4 49	26 47	17 21	5 46
T 3	4 46	19 51	4 14	12 14	2 13	9 25	0 17	22 40	1 39	10 41	0 57	21 57	1 17	20 5	0 35	20 39	1 25	20 19	15 31	4 20	4 48	26 48	17 21	5 46
W 4	4 23	14 44	3 26	11 34	2 12	9 55	0 21	22 46	1 39	10 46	0 57	21 58	1 17	20 4	0 35	20 40	1 25	20 19	15 31	4 19	4 47	26 49	17 20	5 47
T 5	3 59	8 48	2 25	10 53	2 10	10 24	0 24	22 52	1 39	10 50	0 57	21 58	1 17	20 4	0 35	20 40	1 25	20 18	15 31	4 18	4 45	26 51	17 19	5 47
F 6	3 36	2 20	1 15	10 10	2 8	10 53	0 28	22 58	1 39	10 55	0 57	21 58	1 17	20 3	0 35	20 40	1 25	20 18	15 31	4 17	4 44	26 52	17 18	5 48
S 7	3 12	4s21	0s 1	9 26	2 5	11 22	0 31	23 4	1 39	10 59	0 57	21 58	1 17	20 3	0 35	20 40	1 24	20 17	15 32	4 17	4 43	26 53	17 18	5 48
S 8	2 49	10 55	1 18	8 41	2 2	11 51	0 35	23 9	1 39	11 4	0 56	21 58	1 17	20 2	0 35	20 40	1 24	20 16	15 32	4 17	4 42	26 55	17 17	5 49
M 9	2 25	17 0	2 30	7 54	1 59	12 20	0 38	23 15	1 39	11 8	0 56	21 58	1 17	20 1	0 35	20 40	1 24	20 16	15 32	4 17	4 40	26 56	17 16	5 49
T 10	2 2	22 11	3 34	7 6	1 55	12 48	0 41	23 20	1 38	11 13	0 56	21 58	1 17	20 1	0 35	20 41	1 24	20 15	15 32	4 18	4 39	26 57	17 15	5 50
W11	1 38	26 4	4 25	6 17	1 50	13 16	0 45	23 26	1 38	11 18	0 56	21 58	1 17	20 0	0 35	20 41	1 24	20 15	15 32	4 18	4 38	26 59	17 15	5 50
T 12	1 14	28 17	4 59	5 26	1 45	13 43	0 48	23 31	1 38	11 22	0 56	21 58	1 17	20 0	0 35	20 41	1 24	20 14	15 32	4 19	4 37	27 0	17 14	5 51
F 13	0 51	28 40	5 15	4 34	1 39	14 10	0 52	23 36	1 38	11 27	0 56	21 58	1 17	19 59	0 35	20 41	1 24	20 14	15 32	4 19	4 35	27 1	17 13	5 51
S 14	0 27	27 11	5 12	3 41	1 33	14 37	0 55	23 41	1 38	11 31	0 55	21 58	1 17	19 59	0 36	20 41	1 24	20 13	15 32	4 18	4 34	27 2	17 13	5 52
S 15	0 4	24 2	4 50	2 47	1 26	15 4	0 59	23 46	1 38	11 36	0 55	21 58	1 18	19 58	0 36	20 42	1 24	20 13	15 32	4 18	4 33	27 4	17 12	5 52
M16	0n20	19 34	4 13	1 52	1 19	15 30	1 2	23 50	1 38	11 41	0 55	21 58	1 18	19 58	0 36	20 42	1 24	20 12	15 32	4 17	4 32	27 5	17 11	5 53
T 17	0 44	14 10	3 21	0 56	1 11	15 56	1 6	23 55	1 38	11 45	0 55	21 58	1 18	19 57	0 36	20 42	1 24	20 12	15 32	4 17	4 30	27 6	17 10	5 53
W18	1 7	8 11	2 19	0n 0	1 3	16 21	1 9	23 59	1 37	11 50	0 55	21 58	1 18	19 57	0 36	20 42	1 24	20 11	15 32	4 16	4 29	27 7	17 10	5 54
T 19	1 31	1 58	1 11	0 58	0 54	16 47	1 13	24 4	1 37	11 55	0 55	21 58	1 18	19 56	0 36	20 42	1 24	20 11	15 33	4 16	4 28	27 9	17 9	5 55
F 20	1 54	4n14	0 0	1 56	0 45	17 11	1 16	24 8	1 37	11 59	0 55	21 58	1 18	19 56	0 36	20 43	1 24	20 10	15 33	4 16	4 27	27 10	17 8	5 55
S 21	2 18	10 9	1n 9	2 55	0 35	17 36	1 19	24 12	1 37	12 4	0 54	21 58	1 18	19 55	0 36	20 43	1 24	20 10	15 33	4 16	4 25	27 11	17 8	5 56
S 22	2 41	15 34	2 14	3 53	0 25	17 59	1 23	24 16	1 37	12 9	0 54	21 58	1 18	19 55	0 36	20 43	1 24	20 9	15 33	4 16	4 24	27 12	17 7	5 56
M23	3 4	20 17	3 11	4 52	0 14	18 23	1 26	24 20	1 37	12 13	0 54	21 58	1 18	19 54	0 36	20 43	1 24	20 9	15 33	4 17	4 23	27 13	17 6	5 57
T 24	3 28	24 6	4 0	5 51	0 4	18 46	1 30	24 23	1 37	12 18	0 54	21 58	1 18	19 54	0 36	20 43	1 24	20 9	15 33	4 17	4 22	27 15	17 6	5 57
W25	3 51	26 53	4 37	6 50	0n 7	19 8	1 33	24 27	1 36	12 23	0 54	21 58	1 18	19 53	0 36	20 44	1 24	20 8	15 33	4 17	4 20	27 16	17 5	5 58
T 26	4 14	28 27	5 3	7 48	0 18	19 31	1 36	24 30	1 36	12 27	0 54	21 58	1 18	19 53	0 36	20 44	1 23	20 8	15 34	4 17	4 19	27 17	17 4	5 58
F 27	4 37	28 42	5 16	8 45	0 29	19 52	1 39	24 33	1 36	12 32	0 54	21 58	1 18	19 53	0 36	20 44	1 23	20 7	15 34	4 17	4 18	27 18	17 4	5 59
S 28	5 0	27 37	5 15	9 41	0 41	20 13	1 43	24 36	1 36	12 36	0 54	21 58	1 18	19 52	0 36	20 44	1 23	20 7	15 34	4 17	4 17	27 19	17 3	5 59
S 29	5 23	25 13	5 0	10 36	0 52	20 34	1 46	24 39	1 36	12 41	0 53	21 58	1 18	19 52	0 36	20 45	1 23	20 7	15 34	4 17	4 15	27 20	17 2	6 0
M30	5 46	21 35	4 31	11 30	1 3	20 54	1 49	24 42	1 36	12 46	0 53	21 57	1 18	19 51	0 36	20 45	1 23	20 6	15 34	4 17	4 14	27 22	17 2	6 0
T 31	6n 9	16n53	3n48	12n22	1n13	21n14	1n52	24n45	1n35	12n50	0s53	21s57	1n18	19s51	0s36	20n45	1s23	20s 6	15s35	4n17	4n13	27n23	17s 1	6n 1

Julian Day Number = 2113760.5, Delta T = 19m07s
Ecliptic obliquity = 23°33'42, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°50'53, Lahiri = 10°57'53 Julian Calendar 1 March 1075 == Greg. Calendar 7 March 1075

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1075
geocentric

APRIL 1075 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 58 37	16♈30'30	7♍59	1♉ 0	27♉24	20♊17	6♉30	21°R 5	4♒23	10♊27	15♓21	10♈47	10♈32	15♊28	12♋ 7	W 1
T 2	13 2 33	17°28'58	21°30	2°51	28°32	20°51	6°43	21♐ 5	4°25	10°28	15°23	10°47	10°29	15°35	12° 8	T 2
F 3	13 6 30	18°27'24	5♎24	4°38	29°40	21°26	6°57	21° 4	4°26	10°30	15°24	10°R48	10°26	15°41	12° 9	F 3
S 4	13 10 26	19°25'47	19°39	6°22	0♊49	22° 1	7°11	21° 3	4°28	10°31	15°25	10°47	10°23	15°48	12°10	S 4
S 5	13 14 23	20°24'09	4♏ 9	8° 3	1°57	22°35	7°25	21° 2	4°29	10°33	15°27	10°47	10°20	15°55	12°10	S 5
M 6	13 18 20	21°22'29	18°49	9°39	3° 4	23°10	7°39	21° 1	4°30	10°34	15°28	10°46	10°16	16° 1	12°11	M 6
T 7	13 22 16	22°20'47	3♐32	11°12	4°12	23°45	7°53	21° 0	4°32	10°36	15°29	10°45	10°13	16° 8	12°12	T 7
W 8	13 26 13	23°19'04	18°12	12°40	5°20	24°20	8° 7	20°58	4°33	10°38	15°30	10°43	10°10	16°15	12°12	W 8
T 9	13 30 9	24°17'19	2♑42	14° 4	6°27	24°55	8°21	20°57	4°34	10°39	15°32	10°42	10° 7	16°22	12°13	T 9
F 10	13 34 6	25°15'33	16°59	15°24	7°34	25°30	8°35	20°56	4°35	10°41	15°33	10°41	10° 4	16°28	12°13	F 10
S 11	13 38 2	26°13'45	1♒ 0	16°39	8°41	26° 5	8°49	20°54	4°37	10°43	15°34	10°D41	10° 1	16°35	12°13	S 11
S 12	13 41 59	27°11'56	14°43	17°49	9°48	26°40	9° 3	20°52	4°38	10°44	15°35	10°42	9°57	16°42	12°13	S 12
M13	13 45 55	28°10'05	28°10	18°55	10°54	27°15	9°17	20°51	4°39	10°46	15°37	10°43	9°54	16°48	12°13	M13
T 14	13 49 52	29° 8'13	11♓21	19°57	12° 1	27°50	9°31	20°49	4°40	10°48	15°38	10°44	9°51	16°55	12°R13	T 14
W15	13 53 49	0♉ 6'19	24°18	20°53	13° 7	28°25	9°45	20°47	4°41	10°50	15°39	10°46	9°48	17° 2	12°13	W15
T 16	13 57 45	1° 4'23	7♈ 1	21°45	14°13	29° 0	9°59	20°45	4°42	10°51	15°40	10°R46	9°45	17° 9	12°13	T 16
F 17	14 1 42	2° 2'26	19°32	22°31	15°19	29°35	10°13	20°43	4°43	10°53	15°41	10°46	9°41	17°15	12°13	F 17
S 18	14 5 38	3° 0'28	1♉52	23°13	16°25	0♋11	10°27	20°41	4°43	10°55	15°42	10°45	9°38	17°22	12°13	S 18
S 19	14 9 35	3°58'28	14° 3	23°50	17°30	0°46	10°41	20°38	4°44	10°57	15°43	10°42	9°35	17°29	12°12	S 19
M20	14 13 31	4°56'26	26° 6	24°22	18°35	1°21	10°55	20°36	4°45	10°59	15°44	10°39	9°32	17°35	12°12	M20
T 21	14 17 28	5°54'22	8♊ 3	24°48	19°40	1°57	11° 9	20°34	4°46	11° 1	15°46	10°35	9°29	17°42	12°11	T 21
W22	14 21 24	6°52'17	19°55	25°10	20°45	2°32	11°23	20°31	4°46	11° 3	15°47	10°30	9°26	17°49	12°11	W22
T 23	14 25 21	7°50'10	1♋47	25°26	21°50	3° 7	11°38	20°28	4°47	11° 4	15°48	10°26	9°22	17°55	12°10	T 23
F 24	14 29 18	8°48'02	13°40	25°38	22°54	3°43	11°52	20°26	4°47	11° 6	15°49	10°23	9°19	18° 2	12° 9	F 24
S 25	14 33 14	9°45'51	25°39	25°44	23°58	4°18	12° 6	20°23	4°48	11° 8	15°50	10°20	9°16	18° 9	12° 8	S 25
S 26	14 37 11	10°43'39	7♌48	25°R45	25° 2	4°54	12°20	20°20	4°48	11°10	15°51	10°D19	9°13	18°16	12° 7	S 26
M27	14 41 7	11°41'25	20°12	25°42	26° 5	5°29	12°34	20°17	4°48	11°12	15°52	10°20	9°10	18°22	12° 6	M27
T 28	14 45 4	12°39'10	2♍54	25°34	27° 9	6° 5	12°48	20°14	4°49	11°14	15°53	10°21	9° 7	18°29	12° 5	T 28
W29	14 49 0	13°36'52	15°59	25°21	28°12	6°41	13° 3	20°11	4°49	11°16	15°53	10°22	9° 3	18°36	12° 4	W29
T 30	14 52 57	14♉34'33	29♍31	25♉ 5	29♊14	7♋16	13♉17	20♐ 8	4♒49	11♊18	15♓54	10♈24	9♈ 0	18♊42	12♋ 3	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	6n31	11n16	2n52	13n12	1n24	21n33	1n55	24n47	1n35	12n55	0s53	21s57	1n19	19s51	0s36	20n45	1s23	20s 5	15s35	4n17	4n12	27n24	17s 0	6n 2
T 2	6 54	4 59	1 45	14 0	1 34	21 51	1 58	24 49	1 35	13 0	0 53	21 57	1 19	19 50	0 36	20 46	1 23	20 5	15 35	4 17	4 10	27 25	17 0	6 2
F 3	7 16	1s42	0 30	14 46	1 44	22 9	2 1	24 52	1 35	13 4	0 53	21 57	1 19	19 50	0 36	20 46	1 23	20 5	15 35	4 18	4 9	27 26	16 59	6 3
S 4	7 38	8 28	0s49	15 29	1 53	22 27	2 4	24 54	1 35	13 9	0 53	21 57	1 19	19 50	0 36	20 46	1 23	20 4	15 35	4 18	4 8	27 27	16 58	6 3
S 5	8 1	14 56	2 6	16 10	2 1	22 44	2 7	24 56	1 34	13 14	0 53	21 57	1 19	19 49	0 36	20 46	1 23	20 4	15 36	4 17	4 7	27 28	16 58	6 4
M 6	8 23	20 38	3 15	16 49	2 9	23 0	2 10	24 57	1 34	13 18	0 52	21 57	1 19	19 49	0 36	20 47	1 23	20 4	15 36	4 17	4 5	27 29	16 57	6 4
T 7	8 45	25 5	4 12	17 25	2 16	23 16	2 12	24 59	1 34	13 23	0 52	21 57	1 19	19 49	0 36	20 47	1 23	20 3	15 36	4 16	4 4	27 31	16 57	6 5
W 8	9 6	27 53	4 52	17 59	2 23	23 31	2 15	25 0	1 34	13 28	0 52	21 56	1 19	19 49	0 36	20 47	1 23	20 3	15 36	4 16	4 3	27 32	16 56	6 5
T 9	9 28	28 45	5 13	18 30	2 28	23 45	2 18	25 1	1 34	13 32	0 52	21 56	1 19	19 48	0 36	20 47	1 23	20 3	15 36	4 15	4 2	27 33	16 55	6 6
F 10	9 49	27 40	5 14	18 58	2 33	23 59	2 20	25 3	1 33	13 37	0 52	21 56	1 19	19 48	0 36	20 48	1 23	20 3	15 37	4 15	4 0	27 34	16 55	6 6
S 11	10 11	24 51	4 56	19 24	2 37	24 13	2 23	25 3	1 33	13 41	0 52	21 56	1 19	19 48	0 36	20 48	1 23	20 2	15 37	4 15	3 59	27 35	16 54	6 7
S 12	10 32	20 40	4 22	19 47	2 40	24 25	2 25	25 4	1 33	13 46	0 52	21 56	1 19	19 48	0 36	20 48	1 23	20 2	15 37	4 15	3 58	27 36	16 54	6 8
M13	10 53	15 31	3 34	20 8	2 42	24 38	2 27	25 5	1 33	13 50	0 52	21 56	1 19	19 47	0 37	20 49	1 23	20 2	15 37	4 16	3 57	27 37	16 53	6 8
T 14	11 13	9 44	2 35	20 26	2 43	24 49	2 30	25 5	1 33	13 55	0 52	21 56	1 19	19 47	0 37	20 49	1 23	20 2	15 38	4 16	3 55	27 38	16 53	6 9
W15	11 34	3 39	1 30	20 41	2 43	25 0	2 32	25 6	1 32	14 0	0 52	21 55	1 19	19 47	0 37	20 49	1 23	20 1	15 38	4 17	3 54	27 39	16 52	6 9
T 16	11 54	2n29	0 21	20 54	2 42	25 10	2 34	25 6	1 32	14 4	0 51	21 55	1 19	19 47	0 37	20 49	1 23	20 1	15 38	4 17	3 53	27 40	16 52	6 10
F 17	12 15	8 25	0n48	21 5	2 40	25 20	2 36	25 6	1 32	14 9	0 51	21 55	1 19	19 47	0 37	20 50	1 23	20 1	15 38	4 17	3 51	27 41	16 51	6 10
S 18	12 35	13 57	1 54	21 12	2 37	25 29	2 38	25 6	1 32	14 13	0 51	21 55	1 19	19 46	0 37	20 50	1 22	20 1	15 39	4 16	3 50	27 42	16 51	6 11
S 19	12 54	18 53	2 53	21 18	2 33	25 37	2 40	25 5	1 32	14 18	0 51	21 55	1 19	19 46	0 37	20 50	1 22	20 1	15 39	4 15	3 49	27 43	16 50	6 11
M20	13 14	23 0	3 44	21 21	2 28	25 45	2 42	25 5	1 31	14 22	0 51	21 55	1 19	19 46	0 37	20 51	1 22	20 0	15 39	4 14	3 48	27 44	16 50	6 12
T 21	13 33	26 6	4 24	21 21	2 22	25 52	2 43	25 4	1 31	14 27	0 51	21 54	1 19	19 46	0 37	20 51	1 22	20 0	15 39	4 12	3 46	27 45	16 49	6 12
W22	13 53	28 3	4 53	21 19	2 14	25 59	2 45	25 3	1 31	14 31	0 51	21 54	1 19	19 46	0 37	20 51	1 22	20 0	15 40	4 11	3 45	27 46	16 49	6 13
T 23	14 12	28 42	5 9	21 15	2 5	26 4	2 46	25 2	1 31	14 36	0 51	21 54	1 19	19 46	0 37	20 52	1 22	20 0	15 40	4 9	3 44	27 47	16 48	6 13
F 24	14 30	28 2	5 12	21 8	1 56	26 9	2 48	25 1	1 30	14 40	0 51	21 54	1 19	19 46	0 37	20 52	1 22	20 0	15 40	4 8	3 43	27 48	16 48	6 14
S 25	14 49	26 4	5 2	20 59	1 45	26 14	2 49	25 0	1 30	14 44	0 51	21 53	1 19	19 46	0 37	20 52	1 22	20 0	15 41	4 7	3 41	27 49	16 47	6 15
S 26	15 7	22 53	4 38	20 48	1 33	26 18	2 50	24 58	1 30	14 49	0 51	21 53	1 19	19 46	0 37	20 52	1 22	20 0	15 41	4 6	3 40	27 50	16 47	6 15
M27	15 25	18 37	4 0	20 35	1 21	26 21	2 51	24 57	1 30	14 53	0 51	21 53	1 19	19 46	0 37	20 53	1 22	19 59	15 41	4 7	3 39	27 51	16 46	6 16
T 28	15 43	13 27	3 10	20 20	1 7	26 24	2 52	24 55	1 30	14 58	0 50	21 53	1 19	19 45	0 37	20 53	1 22	19 59	15 42	4 7	3 38	27 51	16 46	6 16
W29	16 0	7 32	2 9	20 3	0 52	26 26	2 53	24 53	1 29	15 2	0 50	21 53	1 19	19 45	0 37	20 53	1 22	19 59	15 42	4 8	3 36	27 52	16 46	6 17
T 30	16n18	1n 6	0n59	19n44	0n37	26n27	2n53	24n51	1n29	15n 6	0s50	21s52	1n19	19s45	0s37	20n54	1s22	19s59	15s42	4n 8	3n35	27n53	16s45	6n17

Julian Day Number = 2113791.5, Delta T = 19m06s
Ecliptic obliquity = 23°33'42, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°50'57, Lahiri = 10°57'58 Julian Calendar 1 Apr. 1075 == Greg. Calendar 7 Apr. 1075

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1075
geocentric

MAY 1075 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 56 53	15♉32'13	13♎29	24°R44	0♋17	7♋52	13♉31	20°R 5	4♒49	11♊20	15♓55	10°R24	8♈57	18♊49	12°R 1	F 1
S 2	15 0 50	16°29'51	27°53	24♉20	1°19	8°27	13°45	20♐ 2	4°50	11°22	15°56	10♈23	8°54	18°56	12♑ 0	S 2
S 3	15 4 47	17°27'27	12♏39	23°53	2°21	9° 3	13°59	19°58	4°50	11°25	15°57	10°20	8°51	19° 3	11°59	S 3
M 4	15 8 43	18°25'02	27°40	23°24	3°22	9°39	14°13	19°55	4°R50	11°27	15°58	10°16	8°47	19° 9	11°57	M 4
T 5	15 12 40	19°22'37	12♐47	22°53	4°23	10°15	14°27	19°52	4°50	11°29	15°59	10°11	8°44	19°16	11°55	T 5
W 6	15 16 36	20°20'10	27°50	22°20	5°24	10°50	14°41	19°48	4°50	11°31	15°59	10° 5	8°41	19°23	11°54	W 6
T 7	15 20 33	21°17'42	12♑40	21°46	6°24	11°26	14°55	19°45	4°50	11°33	16° 0	10° 0	8°38	19°30	11°52	T 7
F 8	15 24 29	22°15'13	27°11	21°12	7°25	12° 2	15°10	19°41	4°49	11°35	16° 1	9°56	8°35	19°36	11°50	F 8
S 9	15 28 26	23°12'43	11♒19	20°38	8°24	12°38	15°24	19°37	4°49	11°37	16° 2	9°53	8°32	19°43	11°48	S 9
S 10	15 32 22	24°10'13	25° 3	20° 6	9°24	13°14	15°38	19°34	4°49	11°39	16° 2	9°D53	8°28	19°50	11°46	S 10
M11	15 36 19	25° 7'41	8♓23	19°34	10°23	13°50	15°52	19°30	4°49	11°42	16° 3	9°53	8°25	19°56	11°44	M11
T 12	15 40 16	26° 5'09	21°22	19° 5	11°21	14°26	16° 6	19°26	4°48	11°44	16° 4	9°55	8°22	20° 3	11°42	T 12
W13	15 44 12	27° 2'36	4♈ 3	18°38	12°19	15° 2	16°20	19°22	4°48	11°46	16° 4	9°R56	8°19	20°10	11°40	W13
T 14	15 48 9	28° 0'02	16°31	18°14	13°17	15°38	16°34	19°18	4°47	11°48	16° 5	9°55	8°16	20°17	11°38	T 14
F 15	15 52 5	28°57'28	28°46	17°53	14°14	16°14	16°48	19°14	4°47	11°50	16° 6	9°54	8°12	20°23	11°36	F 15
S 16	15 56 2	29°54'52	10♉54	17°36	15°11	16°50	17° 2	19°10	4°46	11°52	16° 6	9°50	8° 9	20°30	11°33	S 16
S 17	15 59 58	0♊52'16	22°54	17°22	16° 7	17°26	17°16	19° 6	4°46	11°55	16° 7	9°43	8° 6	20°37	11°31	S 17
M18	16 3 55	1°49'39	4♊50	17°13	17° 3	18° 2	17°29	19° 2	4°45	11°57	16° 7	9°35	8° 3	20°43	11°29	M18
T 19	16 7 51	2°47'01	16°43	17° 8	17°59	18°38	17°43	18°58	4°44	11°59	16° 8	9°25	8° 0	20°50	11°26	T 19
W20	16 11 48	3°44'23	28°35	17°D 7	18°54	19°15	17°57	18°54	4°44	12° 1	16° 8	9°15	7°57	20°57	11°24	W20
T 21	16 15 45	4°41'43	10♋27	17°11	19°48	19°51	18°11	18°50	4°43	12° 4	16° 9	9° 5	7°53	21° 4	11°21	T 21
F 22	16 19 41	5°39'03	22°21	17°19	20°42	20°27	18°25	18°45	4°42	12° 6	16° 9	8°56	7°50	21°10	11°18	F 22
S 23	16 23 38	6°36'21	4♌21	17°32	21°35	21° 3	18°39	18°41	4°41	12° 8	16°10	8°49	7°47	21°17	11°16	S 23
S 24	16 27 34	7°33'39	16°30	17°50	22°27	21°40	18°52	18°37	4°40	12°10	16°10	8°45	7°44	21°24	11°13	S 24
M25	16 31 31	8°30'55	28°51	18°11	23°19	22°16	19° 6	18°32	4°39	12°12	16°11	8°43	7°41	21°30	11°10	M25
T 26	16 35 27	9°28'11	11♍29	18°38	24°11	22°52	19°20	18°28	4°38	12°15	16°11	8°D42	7°38	21°37	11° 7	T 26
W27	16 39 24	10°25'26	24°29	19° 8	25° 1	23°29	19°33	18°24	4°37	12°17	16°11	8°43	7°34	21°44	11° 4	W27
T 28	16 43 20	11°22'40	7♎54	19°43	25°51	24° 5	19°47	18°19	4°36	12°19	16°12	8°R43	7°31	21°51	11° 1	T 28
F 29	16 47 17	12°19'53	21°48	20°23	26°40	24°41	20° 1	18°15	4°35	12°21	16°12	8°43	7°28	21°57	10°58	F 29
S 30	16 51 14	13°17'05	6♏ 9	21° 6	27°29	25°18	20°14	18°11	4°34	12°24	16°12	8°40	7°25	22° 4	10°55	S 30
S 31	16 55 10	14♊14'17	20♏57	21♉54	28♋17	25♋54	20♉28	18♐ 6	4♒33	12♊26	16♓12	8♈35	7♈22	22♊11	10♑52	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n35	5s36	0s17	19n23	0n21	26n28	2n54	24n48	1n29	15n11	0s50	21s52	1n19	19s45	0s37	20n54	1s22	19s59	15s43	4n 8	3n34	27n54	16s45	6n18
S 2	16 51	12 14	1 34	19 1	0 4	26 28	2 54	24 46	1 29	15 15	0 50	21 52	1 19	19 45	0 37	20 54	1 22	19 59	15 43	4 8	3 33	27 55	16 44	6 18
S 3	17 8	18 21	2 46	18 38	0s13	26 27	2 55	24 43	1 28	15 19	0 50	21 52	1 19	19 45	0 37	20 55	1 22	19 59	15 43	4 7	3 31	27 56	16 44	6 19
M 4	17 24	23 27	3 49	18 14	0 30	26 26	2 55	24 40	1 28	15 23	0 50	21 51	1 19	19 45	0 37	20 55	1 22	19 59	15 43	4 5	3 30	27 57	16 44	6 19
T 5	17 40	27 0	4 35	17 49	0 47	26 24	2 55	24 37	1 28	15 28	0 50	21 51	1 19	19 46	0 37	20 55	1 22	19 59	15 44	4 3	3 29	27 58	16 43	6 20
W 6	17 55	28 35	5 3	17 24	1 5	26 22	2 55	24 34	1 28	15 32	0 50	21 51	1 19	19 46	0 37	20 56	1 22	19 59	15 44	4 1	3 28	27 59	16 43	6 20
T 7	18 11	28 5	5 9	16 59	1 22	26 19	2 54	24 31	1 27	15 36	0 50	21 51	1 19	19 46	0 37	20 56	1 22	19 59	15 44	3 59	3 26	27 59	16 43	6 20
F 8	18 26	25 39	4 56	16 34	1 39	26 15	2 54	24 27	1 27	15 40	0 50	21 50	1 19	19 46	0 37	20 56	1 22	19 59	15 45	3 57	3 25	28 0	16 42	6 21
S 9	18 40	21 42	4 24	16 9	1 55	26 11	2 54	24 24	1 27	15 44	0 50	21 50	1 19	19 46	0 37	20 56	1 22	19 59	15 45	3 56	3 24	28 1	16 42	6 21
S 10	18 55	16 40	3 39	15 45	2 11	26 6	2 53	24 20	1 27	15 49	0 50	21 50	1 19	19 46	0 37	20 57	1 22	19 59	15 45	3 56	3 23	28 2	16 42	6 22
M11	19 9	10 58	2 42	15 22	2 26	26 1	2 52	24 16	1 26	15 53	0 50	21 49	1 19	19 46	0 38	20 57	1 22	19 59	15 46	3 56	3 21	28 3	16 41	6 22
T 12	19 22	4 57	1 39	15 1	2 40	25 55	2 51	24 12	1 26	15 57	0 50	21 49	1 19	19 46	0 38	20 57	1 22	19 59	15 46	3 57	3 20	28 3	16 41	6 23
W13	19 36	1n 8	0 32	14 41	2 53	25 48	2 50	24 8	1 26	16 1	0 50	21 49	1 19	19 46	0 38	20 58	1 22	19 59	15 47	3 57	3 19	28 4	16 41	6 23
T 14	19 49	7 4	0n35	14 23	3 5	25 41	2 49	24 3	1 25	16 5	0 50	21 49	1 19	19 46	0 38	20 58	1 22	19 59	15 47	3 57	3 18	28 5	16 41	6 24
F 15	20 2	12 39	1 40	14 6	3 16	25 34	2 47	23 59	1 25	16 9	0 49	21 48	1 19	19 47	0 38	20 58	1 22	19 59	15 47	3 56	3 16	28 6	16 40	6 24
S 16	20 14	17 41	2 39	13 52	3 26	25 26	2 46	23 54	1 25	16 13	0 49	21 48	1 19	19 47	0 38	20 59	1 22	19 59	15 48	3 55	3 15	28 7	16 40	6 25
S 17	20 26	21 58	3 30	13 40	3 35	25 17	2 44	23 49	1 25	16 17	0 49	21 48	1 19	19 47	0 38	20 59	1 22	19 59	15 48	3 52	3 14	28 7	16 40	6 25
M18	20 38	25 20	4 11	13 31	3 42	25 8	2 42	23 44	1 24	16 21	0 49	21 47	1 19	19 47	0 38	20 59	1 22	20 0	15 48	3 49	3 13	28 8	16 40	6 25
T 19	20 49	27 34	4 41	13 23	3 48	24 59	2 40	23 39	1 24	16 25	0 49	21 47	1 19	19 47	0 38	21 0	1 22	20 0	15 49	3 45	3 11	28 9	16 40	6 26
W20	21 0	28 33	4 59	13 18	3 53	24 49	2 37	23 33	1 24	16 29	0 49	21 47	1 19	19 48	0 38	21 0	1 22	20 0	15 49	3 41	3 10	28 10	16 39	6 26
T 21	21 11	28 12	5 5	13 16	3 57	24 39	2 35	23 28	1 24	16 33	0 49	21 46	1 19	19 48	0 38	21 0	1 22	20 0	15 49	3 37	3 9	28 10	16 39	6 27
F 22	21 21	26 34	4 56	13 16	3 59	24 28	2 32	23 22	1 23	16 37	0 49	21 46	1 19	19 48	0 38	21 0	1 22	20 0	15 50	3 34	3 7	28 11	16 39	6 27
S 23	21 31	23 43	4 35	13 18	4 1	24 17	2 29	23 16	1 23	16 40	0 49	21 46	1 19	19 48	0 38	21 1	1 22	20 0	15 50	3 31	3 6	28 12	16 39	6 27
S 24	21 41	19 49	4 2	13 22	4 1	24 5	2 26	23 10	1 23	16 44	0 49	21 46	1 19	19 48	0 38	21 1	1 22	20 0	15 50	3 29	3 5	28 13	16 39	6 28
M25	21 50	15 0	3 16	13 29	4 0	23 53	2 23	23 4	1 22	16 48	0 49	21 45	1 19	19 49	0 38	21 1	1 22	20 1	15 51	3 28	3 4	28 13	16 39	6 28
T 26	21 59	9 27	2 20	13 38	3 59	23 40	2 19	22 58	1 22	16 52	0 49	21 45	1 19	19 49	0 38	21 2	1 22	20 1	15 51	3 28	3 2	28 14	16 39	6 28
W27	22 8	3 21	1 15	13 49	3 56	23 28	2 16	22 51	1 22	16 55	0 49	21 45	1 19	19 49	0 38	21 2	1 22	20 1	15 52	3 28	3 1	28 15	16 38	6 29
T 28	22 16	3s 5	0 4	14 2	3 52	23 14	2 12	22 44	1 22	16 59	0 49	21 44	1 19	19 50	0 38	21 2	1 22	20 1	15 52	3 29	3 0	28 15	16 38	6 29
F 29	22 23	9 36	1s 9	14 16	3 48	23 1	2 8	22 38	1 21	17 3	0 49	21 44	1 19	19 50	0 38	21 3	1 22	20 1	15 52	3 28	2 59	28 16	16 38	6 29
S 30	22 31	15 51	2 21	14 33	3 43	22 47	2 3	22 31	1 21	17 7	0 49	21 44	1 19	19 50	0 38	21 3	1 22	20 2	15 53	3 27	2 57	28 17	16 38	6 30
S 31	22n38	21s22	3s25	14n51	3s37	22n33	1n59	22n24	1n21	17n10	0s49	21s43	1n19	19s51	0s38	21n 3	1s22	20s 2	15s53	3n25	2n56	28n17	16s38	6n30

Julian Day Number = 2113821.5, Delta T = 19m06s
Ecliptic obliquity = 23°33'42, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°51'01, Lahiri = 10°58'02 Julian Calendar 1 May 1075 == Greg. Calendar 7 May 1075

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1075
geocentric

JUNE 1075 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 59 7	15♊11'28	6♐ 4	22♉45	29♋ 3	26♋31	20♉41	18°R 2	4°R31	12♊28	16♓13	8°R28	7♈18	22♊17	10°R49	M 1
T 2	17 3 3	16° 8'39	21°22	23°41	29°49	27° 7	20°54	17♐57	4♒30	12°30	16°13	8♈19	7°15	22°24	10♑46	T 2
W 3	17 7 0	17° 5'50	6♑40	24°41	0♌35	27°44	21° 8	17°53	4°29	12°33	16°13	8° 9	7°12	22°31	10°42	W 3
T 4	17 10 56	18° 3'00	21°46	25°44	1°19	28°20	21°21	17°49	4°27	12°35	16°13	8° 0	7° 9	22°38	10°39	T 4
F 5	17 14 53	19° 0'10	6♒31	26°51	2° 2	28°57	21°34	17°44	4°26	12°37	16°13	7°52	7° 6	22°44	10°36	F 5
S 6	17 18 50	19°57'20	20°50	28° 2	2°44	29°34	21°48	17°40	4°24	12°39	16°14	7°47	7° 3	22°51	10°32	S 6
S 7	17 22 46	20°54'30	4♓40	29°17	3°26	0♌10	22° 1	17°35	4°23	12°42	16°14	7°44	6°59	22°58	10°29	S 7
M 8	17 26 43	21°51'40	18° 2	0♊35	4° 6	0°47	22°14	17°31	4°21	12°44	16°14	7°D43	6°56	23° 5	10°26	M 8
T 9	17 30 39	22°48'50	0♈59	1°57	4°45	1°24	22°27	17°27	4°20	12°46	16°14	7°R44	6°53	23°11	10°22	T 9
W10	17 34 36	23°46'00	13°35	3°22	5°23	2° 0	22°40	17°22	4°18	12°48	16°14	7°44	6°50	23°18	10°19	W10
T 11	17 38 32	24°43'11	25°54	4°51	6° 0	2°37	22°53	17°18	4°17	12°50	16°R14	7°42	6°47	23°25	10°15	T 11
F 12	17 42 29	25°40'21	8♉ 2	6°24	6°36	3°14	23° 6	17°13	4°15	12°53	16°14	7°39	6°44	23°31	10°12	F 12
S 13	17 46 25	26°37'32	20° 1	8° 0	7°11	3°51	23°19	17° 9	4°13	12°55	16°14	7°33	6°40	23°38	10° 8	S 13
S 14	17 50 22	27°34'43	1♊55	9°39	7°44	4°28	23°32	17° 5	4°11	12°57	16°14	7°24	6°37	23°45	10° 5	S 14
M15	17 54 19	28°31'54	13°47	11°22	8°16	5° 4	23°45	17° 0	4°10	12°59	16°14	7°13	6°34	23°52	10° 1	M15
T 16	17 58 15	29°29'05	25°38	13° 7	8°46	5°41	23°57	16°56	4° 8	13° 1	16°13	7° 0	6°31	23°58	9°58	T 16
W17	18 2 12	0♋26'16	7♋31	14°56	9°15	6°18	24°10	16°52	4° 6	13° 3	16°13	6°46	6°28	24° 5	9°54	W17
T 18	18 6 8	1°23'27	19°26	16°48	9°43	6°55	24°22	16°48	4° 4	13° 6	16°13	6°32	6°24	24°12	9°50	T 18
F 19	18 10 5	2°20'39	1♌25	18°42	10° 9	7°32	24°35	16°44	4° 2	13° 8	16°13	6°20	6°21	24°18	9°47	F 19
S 20	18 14 1	3°17'50	13°30	20°39	10°33	8° 9	24°47	16°39	4° 0	13°10	16°13	6°11	6°18	24°25	9°43	S 20
S 21	18 17 58	4°15'01	25°43	22°39	10°55	8°46	25° 0	16°35	3°58	13°12	16°13	6° 4	6°15	24°32	9°39	S 21
M22	18 21 54	5°12'13	8♍ 7	24°40	11°16	9°23	25°12	16°31	3°56	13°14	16°12	6° 0	6°12	24°39	9°36	M22
T 23	18 25 51	6° 9'24	20°46	26°44	11°35	10° 0	25°24	16°27	3°54	13°16	16°12	5°58	6° 9	24°45	9°32	T 23
W24	18 29 48	7° 6'36	3♎43	28°49	11°53	10°37	25°37	16°23	3°52	13°18	16°12	5°58	6° 5	24°52	9°28	W24
T 25	18 33 44	8° 3'47	17° 3	0♋55	12° 8	11°15	25°49	16°19	3°50	13°20	16°12	5°57	6° 2	24°59	9°25	T 25
F 26	18 37 41	9° 0'58	0♏48	3° 2	12°21	11°52	26° 1	16°15	3°48	13°22	16°11	5°56	5°59	25° 5	9°21	F 26
S 27	18 41 37	9°58'10	15° 0	5°10	12°32	12°29	26°13	16°11	3°46	13°25	16°11	5°53	5°56	25°12	9°17	S 27
S 28	18 45 34	10°55'22	29°37	7°19	12°41	13° 6	26°25	16° 8	3°44	13°27	16°10	5°48	5°53	25°19	9°14	S 28
M29	18 49 30	11°52'34	14♐37	9°27	12°48	13°43	26°37	16° 4	3°42	13°29	16°10	5°40	5°50	25°26	9°10	M29
T 30	18 53 27	12♋49'47	29♐50	11♋35	12♌53	14♌21	26♉48	16♐ 0	3♒40	13♊31	16♓10	5♈30	5♈46	25♊32	9♑ 6	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n44	25s38	4s16	15n10	3s30	22n18	1n54	22n16	1n20	17n14	0s49	21s43	1n19	19s51	0s38	21n 3	1s22	20s 2	15s53	3n22	2n55	28n18	16s38	6n30
T 2	22 50	28 5	4 49	15 31	3 23	22 4	1 49	22 9	1 20	17 17	0 49	21 43	1 18	19 51	0 38	21 4	1 22	20 2	15 54	3 19	2 54	28 18	16 38	6 31
W 3	22 56	28 25	5 2	15 53	3 15	21 49	1 44	22 1	1 20	17 21	0 49	21 42	1 18	19 52	0 38	21 4	1 22	20 3	15 54	3 15	2 52	28 19	16 38	6 31
T 4	23 1	26 37	4 54	16 17	3 6	21 34	1 38	21 54	1 19	17 24	0 49	21 42	1 18	19 52	0 38	21 4	1 22	20 3	15 55	3 11	2 51	28 20	16 38	6 31
F 5	23 6	23 1	4 26	16 41	2 57	21 18	1 32	21 46	1 19	17 28	0 49	21 42	1 18	19 52	0 38	21 5	1 22	20 3	15 55	3 8	2 50	28 20	16 38	6 31
S 6	23 11	18 7	3 42	17 7	2 47	21 3	1 26	21 38	1 19	17 31	0 49	21 41	1 18	19 53	0 38	21 5	1 22	20 4	15 55	3 6	2 49	28 21	16 38	6 32
S 7	23 15	12 25	2 46	17 33	2 37	20 47	1 20	21 30	1 18	17 35	0 49	21 41	1 18	19 53	0 38	21 5	1 22	20 4	15 56	3 5	2 47	28 22	16 38	6 32
M 8	23 19	6 19	1 42	18 0	2 26	20 31	1 14	21 21	1 18	17 38	0 49	21 41	1 18	19 53	0 38	21 6	1 22	20 4	15 56	3 5	2 46	28 22	16 38	6 32
T 9	23 22	0 9	0 36	18 27	2 15	20 15	1 7	21 13	1 18	17 41	0 49	21 40	1 18	19 54	0 38	21 6	1 22	20 4	15 56	3 5	2 45	28 23	16 38	6 32
W10	23 25	5n52	0n31	18 55	2 4	19 59	1 0	21 4	1 18	17 45	0 49	21 40	1 18	19 54	0 38	21 6	1 22	20 5	15 57	3 5	2 44	28 23	16 38	6 33
T 11	23 27	11 32	1 35	19 22	1 52	19 43	0 52	20 56	1 17	17 48	0 49	21 40	1 18	19 55	0 39	21 6	1 22	20 5	15 57	3 4	2 42	28 24	16 38	6 33
F 12	23 29	16 40	2 33	19 50	1 41	19 26	0 45	20 47	1 17	17 51	0 49	21 39	1 18	19 55	0 39	21 7	1 22	20 6	15 58	3 3	2 41	28 24	16 38	6 33
S 13	23 31	21 6	3 24	20 18	1 28	19 10	0 37	20 38	1 17	17 55	0 49	21 39	1 18	19 56	0 39	21 7	1 22	20 6	15 58	3 1	2 40	28 25	16 38	6 33
S 14	23 32	24 39	4 5	20 45	1 16	18 54	0 29	20 29	1 16	17 58	0 49	21 39	1 17	19 56	0 39	21 7	1 22	20 6	15 58	2 57	2 38	28 25	16 38	6 33
M15	23 33	27 7	4 35	21 12	1 4	18 37	0 20	20 19	1 16	18 1	0 49	21 38	1 17	19 56	0 39	21 7	1 22	20 7	15 59	2 53	2 37	28 26	16 38	6 33
T 16	23 34	28 23	4 54	21 38	0 52	18 21	0 12	20 10	1 16	18 4	0 49	21 38	1 17	19 57	0 39	21 8	1 22	20 7	15 59	2 47	2 36	28 26	16 39	6 34
W17	23 34	28 20	4 59	22 3	0 39	18 4	0 3	20 0	1 15	18 7	0 49	21 38	1 17	19 57	0 39	21 8	1 22	20 7	15 59	2 42	2 35	28 27	16 39	6 34
T 18	23 33	26 58	4 52	22 27	0 27	17 48	0s 7	19 51	1 15	18 10	0 49	21 38	1 17	19 58	0 39	21 8	1 22	20 8	16 0	2 37	2 33	28 27	16 39	6 34
F 19	23 32	24 22	4 32	22 49	0 15	17 32	0 16	19 41	1 15	18 14	0 49	21 37	1 17	19 58	0 39	21 8	1 22	20 8	16 0	2 32	2 32	28 28	16 39	6 34
S 20	23 31	20 40	3 59	23 10	0 4	17 16	0 26	19 31	1 14	18 17	0 49	21 37	1 17	19 59	0 39	21 9	1 22	20 9	16 1	2 28	2 31	28 28	16 39	6 34
S 21	23 30	16 4	3 15	23 29	0n 8	17 0	0 36	19 21	1 14	18 20	0 49	21 37	1 17	19 59	0 39	21 9	1 22	20 9	16 1	2 25	2 30	28 29	16 39	6 34
M22	23 28	10 45	2 21	23 46	0 19	16 44	0 47	19 11	1 14	18 23	0 49	21 36	1 17	20 0	0 39	21 9	1 22	20 9	16 1	2 24	2 28	28 29	16 39	6 34
T 23	23 25	4 53	1 19	24 1	0 29	16 28	0 58	19 0	1 13	18 25	0 49	21 36	1 16	20 0	0 39	21 10	1 22	20 10	16 2	2 23	2 27	28 30	16 40	6 34
W24	23 22	1s18	0 12	24 13	0 39	16 13	1 9	18 50	1 13	18 28	0 49	21 36	1 16	20 1	0 39	21 10	1 22	20 10	16 2	2 23	2 26	28 30	16 40	6 35
T 25	23 19	7 38	0s58	24 23	0 49	15 58	1 20	18 39	1 13	18 31	0 49	21 36	1 16	20 1	0 39	21 10	1 22	20 11	16 2	2 23	2 25	28 31	16 40	6 35
F 26	23 15	13 48	2 7	24 29	0 58	15 43	1 32	18 29	1 12	18 34	0 49	21 35	1 16	20 2	0 39	21 10	1 22	20 11	16 3	2 22	2 23	28 31	16 40	6 35
S 27	23 11	19 27	3 10	24 34	1 6	15 28	1 44	18 18	1 12	18 37	0 49	21 35	1 16	20 2	0 39	21 10	1 22	20 12	16 3	2 21	2 22	28 32	16 40	6 35
S 28	23 7	24 8	4 3	24 35	1 14	15 14	1 56	18 7	1 12	18 40	0 49	21 35	1 16	20 3	0 39	21 11	1 22	20 12	16 3	2 19	2 21	28 32	16 41	6 35
M29	23 2	27 19	4 41	24 34	1 21	15 0	2 9	17 56	1 11	18 42	0 49	21 34	1 16	20 3	0 39	21 11	1 22	20 13	16 4	2 16	2 20	28 32	16 41	6 35
T 30	22n56	28s33	4s59	24n29	1n27	14n46	2s21	17n45	1n11	18n45	0s49	21s34	1n15	20s 4	0s39	21n11	1s22	20s13	16s 4	2n12	2n18	28n33	16s41	6n35

Julian Day Number = 2113852.5, Delta T = 19m06s
Ecliptic obliquity = 23°33'41, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°51'06, Lahiri = 10°58'06 Julian Calendar 1 June 1075 == Greg. Calendar 7 June 1075

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1075
geocentric

JULY 1075 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 57 24	13♋47'00	15♉ 6	13♋43	12♌55	14♌58	27♉ 0	15°R56	3°R37	13♊33	16°R 9	5°R20	5♈43	25♊39	9°R 3	W 1
T 2	19 1 20	14°44'14	0♒15	15°50	12°R55	15°35	27°12	15♐53	3♒35	13°35	16♓ 9	5♈ 9	5°40	25°46	8♉59	T 2
F 3	19 5 17	15°41'28	15° 6	17°57	12°53	16°13	27°23	15°49	3°33	13°37	16° 8	5° 1	5°37	25°53	8°55	F 3
S 4	19 9 13	16°38'43	29°32	20° 2	12°49	16°50	27°35	15°46	3°31	13°38	16° 8	4°55	5°34	25°59	8°52	S 4
S 5	19 13 10	17°35'59	13♓29	22° 6	12°42	17°27	27°46	15°42	3°28	13°40	16° 7	4°51	5°31	26° 6	8°48	S 5
M 6	19 17 6	18°33'15	26°56	24° 9	12°32	18° 5	27°57	15°39	3°26	13°42	16° 7	4°50	5°27	26°13	8°44	M 6
T 7	19 21 3	19°30'33	9♈56	26°10	12°21	18°42	28° 8	15°36	3°24	13°44	16° 6	4°D50	5°24	26°19	8°41	T 7
W 8	19 24 59	20°27'52	22°34	28°10	12° 7	19°20	28°19	15°33	3°22	13°46	16° 6	4°R50	5°21	26°26	8°37	W 8
T 9	19 28 56	21°25'12	4♉52	0♌ 9	11°50	19°57	28°30	15°29	3°19	13°48	16° 5	4°49	5°18	26°33	8°34	T 9
F 10	19 32 53	22°22'33	16°58	2° 6	11°32	20°35	28°41	15°26	3°17	13°50	16° 4	4°46	5°15	26°40	8°30	F 10
S 11	19 36 49	23°19'55	28°54	4° 1	11°11	21°12	28°52	15°23	3°15	13°52	16° 4	4°41	5°11	26°46	8°27	S 11
S 12	19 40 46	24°17'18	10♊46	5°55	10°48	21°50	29° 3	15°20	3°12	13°53	16° 3	4°34	5° 8	26°53	8°23	S 12
M13	19 44 42	25°14'42	22°37	7°47	10°23	22°28	29°13	15°17	3°10	13°55	16° 2	4°24	5° 5	27° 0	8°20	M13
T 14	19 48 39	26°12'07	4♋30	9°38	9°55	23° 5	29°24	15°15	3° 7	13°57	16° 2	4°12	5° 2	27° 7	8°16	T 14
W15	19 52 35	27° 9'34	16°26	11°26	9°27	23°43	29°34	15°12	3° 5	13°59	16° 1	4° 0	4°59	27°13	8°13	W15
T 16	19 56 32	28° 7'01	28°27	13°14	8°56	24°21	29°45	15° 9	3° 3	14° 1	16° 0	3°48	4°56	27°20	8°10	T 16
F 17	20 0 28	29° 4'30	10♌35	14°59	8°24	24°58	29°55	15° 7	3° 0	14° 2	16° 0	3°37	4°52	27°27	8° 6	F 17
S 18	20 4 25	0♌ 1'59	22°51	16°43	7°50	25°36	0♊ 5	15° 4	2°58	14° 4	15°59	3°29	4°49	27°33	8° 3	S 18
S 19	20 8 22	0°59'30	5♍15	18°26	7°16	26°14	0°15	15° 2	2°56	14° 6	15°58	3°23	4°46	27°40	8° 0	S 19
M20	20 12 18	1°57'01	17°50	20° 7	6°40	26°52	0°25	14°59	2°53	14° 7	15°57	3°19	4°43	27°47	7°57	M20
T 21	20 16 15	2°54'33	0♎37	21°46	6° 4	27°30	0°35	14°57	2°51	14° 9	15°56	3°D18	4°40	27°54	7°53	T 21
W22	20 20 11	3°52'06	13°40	23°24	5°27	28° 8	0°44	14°55	2°48	14°10	15°56	3°18	4°36	28° 0	7°50	W22
T 23	20 24 8	4°49'40	27° 0	25° 0	4°50	28°46	0°54	14°53	2°46	14°12	15°55	3°19	4°33	28° 7	7°47	T 23
F 24	20 28 4	5°47'15	10♏40	26°35	4°12	29°24	1° 3	14°51	2°44	14°14	15°54	3°R19	4°30	28°14	7°44	F 24
S 25	20 32 1	6°44'51	24°43	28° 8	3°35	0♍ 2	1°13	14°49	2°41	14°15	15°53	3°18	4°27	28°20	7°41	S 25
S 26	20 35 57	7°42'28	9♐ 6	29°40	2°59	0°40	1°22	14°47	2°39	14°17	15°52	3°14	4°24	28°27	7°38	S 26
M27	20 39 54	8°40'06	23°48	1♍10	2°23	1°18	1°31	14°46	2°36	14°18	15°51	3° 9	4°21	28°34	7°35	M27
T 28	20 43 51	9°37'46	8♑42	2°38	1°47	1°56	1°40	14°44	2°34	14°20	15°50	3° 2	4°17	28°41	7°32	T 28
W29	20 47 47	10°35'26	23°42	4° 5	1°13	2°34	1°49	14°42	2°32	14°21	15°49	2°54	4°14	28°47	7°30	W29
T 30	20 51 44	11°33'08	8♒38	5°30	0°41	3°12	1°57	14°41	2°29	14°22	15°48	2°46	4°11	28°54	7°27	T 30
F 31	20 55 40	12♌30'51	23♒21	6♍54	0♌10	3♍50	2♊ 6	14♐40	2♒27	14♊24	15♓47	2♈40	4♈ 8	29♊ 1	7♉24	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n51	27s36	4s56	24n22	1n32	14n33	2s34	17n33	1n11	18n48	0s49	21s34	1n15	20s 4	0s39	21n11	1s22	20s14	16s 4	2n 8	2n17	28n33	16s41	6n35
T 2	22 45	24 38	4 32	24 13	1 37	14 20	2 48	17 22	1 10	18 50	0 49	21 34	1 15	20 5	0 39	21 12	1 22	20 14	16 5	2 4	2 16	28 34	16 41	6 35
F 3	22 38	20 3	3 51	24 1	1 40	14 8	3 1	17 10	1 10	18 53	0 49	21 34	1 15	20 5	0 39	21 12	1 22	20 15	16 5	2 0	2 14	28 34	16 42	6 35
S 4	22 31	14 25	2 55	23 46	1 43	13 56	3 15	16 59	1 10	18 56	0 49	21 33	1 15	20 6	0 39	21 12	1 22	20 15	16 5	1 58	2 13	28 34	16 42	6 35
S 5	22 24	8 14	1 50	23 29	1 46	13 45	3 28	16 47	1 9	18 58	0 49	21 33	1 15	20 7	0 39	21 12	1 22	20 16	16 6	1 56	2 12	28 35	16 42	6 35
M 6	22 16	1 52	0 42	23 9	1 47	13 35	3 42	16 35	1 9	19 1	0 49	21 33	1 15	20 7	0 39	21 13	1 22	20 16	16 6	1 56	2 11	28 35	16 43	6 35
T 7	22 8	4n22	0n27	22 48	1 48	13 24	3 56	16 23	1 8	19 3	0 49	21 33	1 14	20 8	0 39	21 13	1 22	20 17	16 6	1 56	2 9	28 35	16 43	6 35
W 8	22 0	10 15	1 33	22 24	1 48	13 15	4 10	16 11	1 8	19 6	0 49	21 33	1 14	20 8	0 39	21 13	1 22	20 17	16 7	1 56	2 8	28 36	16 43	6 34
T 9	21 51	15 36	2 32	21 59	1 48	13 6	4 24	15 59	1 8	19 8	0 49	21 32	1 14	20 9	0 39	21 13	1 22	20 18	16 7	1 55	2 7	28 36	16 43	6 34
F 10	21 42	20 14	3 24	21 32	1 47	12 58	4 38	15 46	1 7	19 10	0 49	21 32	1 14	20 9	0 39	21 13	1 22	20 18	16 7	1 54	2 6	28 36	16 44	6 34
S 11	21 32	24 0	4 5	21 3	1 45	12 50	4 52	15 34	1 7	19 13	0 49	21 32	1 14	20 10	0 39	21 14	1 22	20 19	16 8	1 52	2 4	28 37	16 44	6 34
S 12	21 22	26 44	4 36	20 33	1 43	12 43	5 5	15 21	1 7	19 15	0 49	21 32	1 14	20 10	0 39	21 14	1 22	20 19	16 8	1 49	2 3	28 37	16 44	6 34
M13	21 12	28 16	4 55	20 2	1 40	12 37	5 19	15 9	1 6	19 17	0 49	21 32	1 14	20 11	0 39	21 14	1 22	20 20	16 8	1 45	2 2	28 37	16 45	6 34
T 14	21 1	28 30	5 2	19 29	1 37	12 31	5 32	14 56	1 6	19 20	0 49	21 32	1 13	20 12	0 39	21 14	1 22	20 20	16 9	1 41	2 1	28 37	16 45	6 34
W15	20 50	27 25	4 55	18 56	1 33	12 26	5 45	14 43	1 6	19 22	0 49	21 31	1 13	20 12	0 39	21 14	1 22	20 21	16 9	1 36	1 59	28 38	16 45	6 34
T 16	20 39	25 3	4 35	18 21	1 29	12 22	5 57	14 30	1 5	19 24	0 49	21 31	1 13	20 13	0 39	21 14	1 22	20 21	16 9	1 31	1 58	28 38	16 46	6 34
F 17	20 27	21 33	4 2	17 46	1 25	12 19	6 9	14 17	1 5	19 26	0 49	21 31	1 13	20 13	0 39	21 15	1 22	20 22	16 9	1 27	1 57	28 38	16 46	6 33
S 18	20 15	17 5	3 18	17 10	1 19	12 16	6 21	14 4	1 4	19 28	0 49	21 31	1 13	20 14	0 39	21 15	1 22	20 23	16 10	1 23	1 55	28 39	16 46	6 33
S 19	20 2	11 52	2 24	16 33	1 14	12 14	6 32	13 50	1 4	19 30	0 49	21 31	1 13	20 14	0 39	21 15	1 22	20 23	16 10	1 21	1 54	28 39	16 47	6 33
M20	19 50	6 5	1 22	15 56	1 8	12 13	6 42	13 37	1 4	19 32	0 49	21 31	1 12	20 15	0 39	21 15	1 22	20 24	16 10	1 20	1 53	28 39	16 47	6 33
T 21	19 37	0s 2	0 14	15 18	1 2	12 12	6 52	13 24	1 3	19 34	0 49	21 31	1 12	20 16	0 39	21 15	1 22	20 24	16 11	1 19	1 52	28 39	16 47	6 33
W22	19 23	6 16	0s55	14 40	0 55	12 12	7 1	13 10	1 3	19 36	0 49	21 31	1 12	20 16	0 39	21 15	1 22	20 25	16 11	1 19	1 50	28 39	16 48	6 33
T 23	19 9	12 22	2 3	14 1	0 49	12 12	7 9	12 56	1 3	19 38	0 49	21 31	1 12	20 17	0 39	21 16	1 22	20 25	16 11	1 20	1 49	28 40	16 48	6 32
F 24	18 55	18 3	3 6	13 22	0 41	12 14	7 17	12 43	1 2	19 40	0 49	21 31	1 12	20 17	0 39	21 16	1 22	20 26	16 11	1 20	1 48	28 40	16 49	6 32
S 25	18 41	22 55	3 59	12 43	0 34	12 15	7 24	12 29	1 2	19 42	0 49	21 31	1 11	20 18	0 39	21 16	1 22	20 27	16 12	1 19	1 47	28 40	16 49	6 32
S 26	18 26	26 31	4 39	12 4	0 26	12 18	7 30	12 15	1 1	19 44	0 49	21 30	1 11	20 18	0 39	21 16	1 22	20 27	16 12	1 18	1 45	28 40	16 49	6 32
M27	18 11	28 26	5 2	11 24	0 18	12 21	7 35	12 1	1 1	19 46	0 50	21 30	1 11	20 19	0 39	21 16	1 22	20 28	16 12	1 15	1 44	28 40	16 50	6 31
T 28	17 56	28 20	5 4	10 45	0 10	12 24	7 39	11 47	1 1	19 47	0 50	21 30	1 11	20 19	0 39	21 16	1 22	20 28	16 12	1 13	1 43	28 41	16 50	6 31
W29	17 40	26 10	4 46	10 5	0 2	12 28	7 42	11 33	1 0	19 49	0 50	21 30	1 11	20 20	0 39	21 17	1 22	20 29	16 13	1 9	1 42	28 41	16 51	6 31
T 30	17 24	22 11	4 8	9 26	0s 7	12 32	7 45	11 19	1 0	19 51	0 50	21 30	1 11	20 20	0 39	21 17	1 22	20 29	16 13	1 6	1 40	28 41	16 51	6 31
F 31	17n 8	16s52	3s15	8n47	0s15	12n37	7s47	11n 4	0n59	19n53	0s50	21s31	1n10	20s21	0s39	21n17	1s22	20s30	16s13	1n 4	1n39	28n41	16s51	6n30

Julian Day Number = 2113882.5, Delta T = 19m05s
Ecliptic obliquity = 23°33'41, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°51'10, Lahiri = 10°58'10 Julian Calendar 1 July 1075 == Greg. Calendar 7 July 1075

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1075
geocentric

AUGUST 1075 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 59 37	13♌28'35	7♓43	8♍16	29°R40	4♍29	2♊14	14°R38	2°R25	14♊25	15°R46	2°R35	4♈ 5	29♊ 8	7°R22	S 1
S 2	21 3 33	14°26'21	21°40	9°36	29♋12	5° 7	2°23	14♐37	2♒22	14°26	15♓45	2♈33	4° 2	29°14	7♑19	S 2
M 3	21 7 30	15°24'09	5♈11	10°55	28°47	5°45	2°31	14°36	2°20	14°28	15°44	2°D32	3°58	29°21	7°16	M 3
T 4	21 11 26	16°21'58	18°15	12°12	28°23	6°23	2°39	14°35	2°18	14°29	15°43	2°33	3°55	29°28	7°14	T 4
W 5	21 15 23	17°19'49	0♉56	13°27	28° 2	7° 2	2°47	14°34	2°15	14°30	15°42	2°34	3°52	29°34	7°12	W 5
T 6	21 19 20	18°17'42	13°18	14°40	27°42	7°40	2°55	14°33	2°13	14°31	15°41	2°R35	3°49	29°41	7° 9	T 6
F 7	21 23 16	19°15'37	25°25	15°51	27°26	8°19	3° 2	14°33	2°11	14°33	15°40	2°35	3°46	29°48	7° 7	F 7
S 8	21 27 13	20°13'34	7♊22	17° 0	27°11	8°57	3°10	14°32	2° 9	14°34	15°39	2°34	3°42	29°55	7° 5	S 8
S 9	21 31 9	21°11'32	19°15	18° 7	26°59	9°36	3°17	14°32	2° 6	14°35	15°38	2°30	3°39	0♌ 1	7° 3	S 9
M10	21 35 6	22° 9'33	1♋ 7	19°11	26°49	10°14	3°24	14°31	2° 4	14°36	15°37	2°25	3°36	0° 8	7° 0	M10
T 11	21 39 2	23° 7'35	13° 2	20°14	26°42	10°53	3°31	14°31	2° 2	14°37	15°36	2°19	3°33	0°15	6°58	T 11
W12	21 42 59	24° 5'40	25° 3	21°13	26°37	11°31	3°38	14°31	2° 0	14°38	15°35	2°12	3°30	0°22	6°56	W12
T 13	21 46 55	25° 3'46	7♌12	22°10	26°35	12°10	3°45	14°30	1°58	14°39	15°34	2° 5	3°27	0°28	6°55	T 13
F 14	21 50 52	26° 1'53	19°31	23° 5	26°D35	12°49	3°52	14°D30	1°55	14°40	15°33	1°59	3°23	0°35	6°53	F 14
S 15	21 54 49	27° 0'03	2♍ 1	23°56	26°37	13°27	3°58	14°30	1°53	14°41	15°32	1°54	3°20	0°42	6°51	S 15
S 16	21 58 45	27°58'14	14°42	24°44	26°41	14° 6	4° 4	14°31	1°51	14°42	15°30	1°51	3°17	0°48	6°49	S 16
M17	22 2 42	28°56'27	27°35	25°29	26°48	14°45	4°10	14°31	1°49	14°43	15°29	1°D50	3°14	0°55	6°48	M17
T 18	22 6 38	29°54'42	10♎40	26°10	26°57	15°24	4°16	14°31	1°47	14°44	15°28	1°50	3°11	1° 2	6°46	T 18
W19	22 10 35	0♍52'58	23°59	26°48	27° 8	16° 3	4°22	14°32	1°45	14°44	15°27	1°51	3° 8	1° 9	6°44	W19
T 20	22 14 31	1°51'16	7♏30	27°21	27°21	16°41	4°28	14°32	1°43	14°45	15°26	1°53	3° 4	1°15	6°43	T 20
F 21	22 18 28	2°49'35	21°16	27°50	27°36	17°20	4°33	14°33	1°41	14°46	15°25	1°54	3° 1	1°22	6°42	F 21
S 22	22 22 24	3°47'56	5♐15	28°14	27°53	17°59	4°39	14°34	1°39	14°47	15°23	1°R55	2°58	1°29	6°40	S 22
S 23	22 26 21	4°46'19	19°28	28°33	28°12	18°38	4°44	14°35	1°37	14°47	15°22	1°54	2°55	1°35	6°39	S 23
M24	22 30 18	5°44'43	3♑52	28°46	28°33	19°17	4°49	14°36	1°36	14°48	15°21	1°52	2°52	1°42	6°38	M24
T 25	22 34 14	6°43'09	18°23	28°54	28°56	19°56	4°54	14°37	1°34	14°49	15°20	1°49	2°48	1°49	6°37	T 25
W26	22 38 11	7°41'37	2♒57	28°R56	29°20	20°36	4°58	14°38	1°32	14°49	15°19	1°46	2°45	1°56	6°36	W26
T 27	22 42 7	8°40'06	17°27	28°52	29°46	21°15	5° 3	14°39	1°30	14°50	15°18	1°43	2°42	2° 2	6°35	T 27
F 28	22 46 4	9°38'37	1♓48	28°40	0♌14	21°54	5° 7	14°40	1°29	14°50	15°16	1°40	2°39	2° 9	6°34	F 28
S 29	22 50 0	10°37'10	15°54	28°22	0°43	22°33	5°11	14°42	1°27	14°51	15°15	1°38	2°36	2°16	6°34	S 29
S 30	22 53 57	11°35'45	29°41	27°57	1°13	23°12	5°15	14°43	1°25	14°51	15°14	1°D37	2°33	2°23	6°33	S 30
M31	22 57 53	12♍34'22	13♈ 6	27♍25	1♌46	23♍52	5♊19	14♐45	1♒24	14♊52	15♓13	1♈38	2♈29	2♋29	6♑32	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n52	10s43	2s10	8n 8	0s24	12n42	7s48	10n50	0n59	19n54	0s50	21s31	1n10	20s22	0s39	21n17	1s22	20s31	16s13	1n 2	1n38	28n41	16s52	6n30
S 2	16 35	4 13	0 58	7 30	0 33	12 47	7 48	10 36	0 59	19 56	0 50	21 31	1 10	20 22	0 39	21 17	1 22	20 31	16 13	1 1	1 36	28 41	16 52	6 30
M 3	16 18	2n17	0n14	6 51	0 42	12 53	7 47	10 21	0 58	19 57	0 50	21 31	1 10	20 23	0 39	21 17	1 23	20 32	16 14	1 1	1 35	28 41	16 53	6 30
T 4	16 1	8 29	1 24	6 14	0 52	12 59	7 46	10 6	0 58	19 59	0 50	21 31	1 10	20 23	0 39	21 17	1 23	20 32	16 14	1 1	1 34	28 41	16 53	6 29
W 5	15 43	14 9	2 27	5 36	1 1	13 5	7 44	9 52	0 57	20 0	0 50	21 31	1 10	20 24	0 39	21 17	1 23	20 33	16 14	1 2	1 33	28 42	16 54	6 29
T 6	15 25	19 7	3 22	4 59	1 10	13 11	7 41	9 37	0 57	20 2	0 50	21 31	1 9	20 24	0 39	21 17	1 23	20 34	16 14	1 2	1 31	28 42	16 54	6 29
F 7	15 7	23 12	4 7	4 23	1 20	13 17	7 38	9 22	0 57	20 3	0 50	21 31	1 9	20 25	0 39	21 18	1 23	20 34	16 14	1 2	1 30	28 42	16 54	6 28
S 8	14 49	26 15	4 40	3 47	1 29	13 24	7 34	9 7	0 56	20 5	0 50	21 31	1 9	20 25	0 39	21 18	1 23	20 35	16 15	1 1	1 29	28 42	16 55	6 28
S 9	14 30	28 7	5 1	3 12	1 39	13 30	7 30	8 52	0 56	20 6	0 50	21 31	1 9	20 26	0 39	21 18	1 23	20 35	16 15	1 0	1 28	28 42	16 55	6 28
M10	14 12	28 43	5 9	2 38	1 49	13 37	7 25	8 37	0 55	20 7	0 50	21 31	1 9	20 26	0 39	21 18	1 23	20 36	16 15	0 58	1 26	28 42	16 56	6 27
T 11	13 53	27 58	5 4	2 5	1 58	13 43	7 20	8 22	0 55	20 9	0 50	21 31	1 8	20 27	0 39	21 18	1 23	20 36	16 15	0 55	1 25	28 42	16 56	6 27
W12	13 33	25 54	4 45	1 33	2 8	13 50	7 14	8 7	0 55	20 10	0 50	21 32	1 8	20 27	0 39	21 18	1 23	20 37	16 15	0 53	1 24	28 42	16 57	6 27
T 13	13 14	22 39	4 14	1 1	2 17	13 56	7 8	7 52	0 54	20 11	0 50	21 32	1 8	20 28	0 39	21 18	1 23	20 38	16 15	0 50	1 23	28 42	16 57	6 26
F 14	12 54	18 21	3 30	0 31	2 27	14 2	7 2	7 37	0 54	20 12	0 50	21 32	1 8	20 28	0 39	21 18	1 23	20 38	16 16	0 48	1 21	28 42	16 58	6 26
S 15	12 34	13 13	2 35	0 2	2 36	14 9	6 55	7 21	0 53	20 13	0 50	21 32	1 8	20 29	0 39	21 18	1 23	20 39	16 16	0 46	1 20	28 42	16 58	6 25
S 16	12 14	7 28	1 32	0s25	2 45	14 15	6 48	7 6	0 53	20 15	0 51	21 32	1 7	20 29	0 39	21 18	1 23	20 39	16 16	0 44	1 19	28 42	16 58	6 25
M17	11 54	1 19	0 23	0 51	2 54	14 21	6 41	6 50	0 52	20 16	0 51	21 33	1 7	20 29	0 39	21 18	1 23	20 40	16 16	0 44	1 17	28 42	16 59	6 25
T 18	11 34	4s59	0s48	1 16	3 3	14 26	6 33	6 35	0 52	20 17	0 51	21 33	1 7	20 30	0 39	21 18	1 23	20 41	16 16	0 44	1 16	28 42	16 59	6 24
W19	11 13	11 11	1 58	1 38	3 11	14 32	6 26	6 19	0 52	20 18	0 51	21 33	1 7	20 30	0 39	21 18	1 23	20 41	16 16	0 45	1 15	28 42	17 0	6 24
T 20	10 52	16 58	3 3	1 59	3 19	14 37	6 18	6 4	0 51	20 19	0 51	21 33	1 7	20 31	0 39	21 19	1 23	20 42	16 16	0 45	1 14	28 42	17 0	6 24
F 21	10 31	22 0	3 58	2 17	3 27	14 42	6 10	5 48	0 51	20 20	0 51	21 34	1 7	20 31	0 39	21 19	1 23	20 42	16 16	0 46	1 12	28 42	17 1	6 23
S 22	10 10	25 53	4 40	2 34	3 34	14 47	6 2	5 33	0 50	20 21	0 51	21 34	1 6	20 32	0 39	21 19	1 23	20 43	16 17	0 46	1 11	28 42	17 1	6 23
S 23	9 49	28 14	5 6	2 47	3 40	14 51	5 54	5 17	0 50	20 21	0 51	21 34	1 6	20 32	0 39	21 19	1 23	20 43	16 17	0 46	1 10	28 42	17 2	6 22
M24	9 27	28 43	5 13	2 58	3 46	14 55	5 45	5 1	0 49	20 22	0 51	21 34	1 6	20 32	0 39	21 19	1 23	20 44	16 17	0 45	1 9	28 42	17 2	6 22
T 25	9 5	27 15	5 0	3 6	3 52	14 59	5 37	4 45	0 49	20 23	0 51	21 35	1 6	20 33	0 39	21 19	1 23	20 44	16 17	0 44	1 7	28 42	17 3	6 22
W26	8 44	23 57	4 28	3 11	3 56	15 2	5 28	4 29	0 48	20 24	0 51	21 35	1 6	20 33	0 39	21 19	1 23	20 45	16 17	0 42	1 6	28 42	17 3	6 21
T 27	8 22	19 9	3 39	3 12	3 59	15 6	5 20	4 13	0 48	20 25	0 51	21 35	1 5	20 34	0 39	21 19	1 23	20 45	16 17	0 41	1 5	28 41	17 4	6 21
F 28	8 0	13 19	2 37	3 10	4 2	15 8	5 11	3 57	0 48	20 25	0 51	21 36	1 5	20 34	0 39	21 19	1 23	20 46	16 17	0 40	1 4	28 41	17 4	6 20
S 29	7 37	6 54	1 25	3 4	4 3	15 11	5 3	3 41	0 47	20 26	0 51	21 36	1 5	20 34	0 39	21 19	1 23	20 46	16 17	0 39	1 2	28 41	17 5	6 20
S 30	7 15	0 17	0 11	2 53	4 3	15 12	4 54	3 25	0 47	20 27	0 51	21 36	1 5	20 35	0 39	21 19	1 24	20 47	16 17	0 39	1 1	28 41	17 5	6 19
M31	6n53	6n10	1n 3	2s39	4s 1	15n14	4s45	3n 9	0n46	20n27	0s51	21s37	1n 5	20s35	0s39	21n19	1s24	20s48	16s17	0n39	1n 0	28n41	17s 5	6n19

Julian Day Number = 2113913.5, Delta T = 19m05s
Ecliptic obliquity = 23°33'42, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°51'14, Lahiri = 10°58'14 Julian Calendar 1 Aug. 1075 == Greg. Calendar 7 Aug. 1075

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1075
geocentric

SEPTEMBER 1075 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 1 50	13♍33'01	26♈10	26°R46	2♌19	24♍31	5♊22	14♐47	1°R22	14♊52	15°R12	1♈39	2♈26	2♋36	6°R32	T 1
W 2	23 5 47	14°31'42	8♉52	26♍ 1	2°54	25°10	5°26	14°48	1♒20	14°53	15♓10	1°40	2°23	2°43	6♏31	W 2
T 3	23 9 43	15°30'26	21°16	25° 9	3°31	25°50	5°29	14°50	1°19	14°53	15° 9	1°42	2°20	2°49	6°31	T 3
F 4	23 13 40	16°29'12	3♊26	24°12	4° 8	26°29	5°32	14°52	1°17	14°53	15° 8	1°43	2°17	2°56	6°31	F 4
S 5	23 17 36	17°28'00	15°25	23°11	4°47	27° 9	5°35	14°54	1°16	14°54	15° 7	1°R43	2°14	3° 3	6°31	S 5
S 6	23 21 33	18°26'51	27°19	22° 6	5°27	27°48	5°37	14°57	1°15	14°54	15° 6	1°43	2°10	3°10	6°30	S 6
M 7	23 25 29	19°25'44	9♋12	20°59	6° 8	28°28	5°40	14°59	1°13	14°54	15° 4	1°42	2° 7	3°16	6°D30	M 7
T 8	23 29 26	20°24'39	21° 9	19°53	6°50	29° 8	5°42	15° 1	1°12	14°54	15° 3	1°41	2° 4	3°23	6°30	T 8
W 9	23 33 22	21°23'37	3♌13	18°47	7°33	29°47	5°44	15° 4	1°11	14°54	15° 2	1°39	2° 1	3°30	6°31	W 9
T 10	23 37 19	22°22'36	15°28	17°45	8°17	0♎27	5°46	15° 6	1° 9	14°54	15° 1	1°38	1°58	3°37	6°31	T 10
F 11	23 41 16	23°21'38	27°57	16°48	9° 3	1° 7	5°47	15° 9	1° 8	14°54	15° 0	1°37	1°54	3°43	6°31	F 11
S 12	23 45 12	24°20'42	10♍41	15°58	9°49	1°46	5°49	15°12	1° 7	14°R54	14°58	1°36	1°51	3°50	6°31	S 12
S 13	23 49 9	25°19'48	23°40	15°15	10°36	2°26	5°50	15°14	1° 6	14°54	14°57	1°36	1°48	3°57	6°32	S 13
M14	23 53 5	26°18'57	6♎56	14°41	11°23	3° 6	5°51	15°17	1° 5	14°54	14°56	1°D36	1°45	4° 3	6°32	M14
T 15	23 57 2	27°18'07	20°26	14°17	12°12	3°46	5°52	15°20	1° 4	14°54	14°55	1°36	1°42	4°10	6°33	T 15
W16	0 0 58	28°17'19	4♏10	14° 3	13° 2	4°26	5°53	15°24	1° 3	14°54	14°54	1°36	1°39	4°17	6°34	W16
T 17	0 4 55	29°16'34	18° 4	14°D 0	13°52	5° 6	5°53	15°27	1° 2	14°54	14°52	1°36	1°35	4°24	6°34	T 17
F 18	0 8 51	0♎15'50	2♐ 6	14° 8	14°43	5°46	5°53	15°30	1° 1	14°54	14°51	1°37	1°32	4°30	6°35	F 18
S 19	0 12 48	1°15'08	16°14	14°26	15°35	6°26	5°R53	15°33	1° 0	14°54	14°50	1°37	1°29	4°37	6°36	S 19
S 20	0 16 44	2°14'28	0♑26	14°54	16°27	7° 6	5°53	15°37	1° 0	14°53	14°49	1°37	1°26	4°44	6°37	S 20
M21	0 20 41	3°13'50	14°40	15°31	17°20	7°46	5°53	15°40	0°59	14°53	14°48	1°37	1°23	4°50	6°38	M21
T 22	0 24 38	4°13'13	28°52	16°17	18°14	8°27	5°52	15°44	0°58	14°53	14°47	1°37	1°19	4°57	6°39	T 22
W23	0 28 34	5°12'38	13♒ 0	17°12	19° 8	9° 7	5°52	15°48	0°58	14°53	14°46	1°37	1°16	5° 4	6°40	W23
T 24	0 32 31	6°12'05	27° 2	18°13	20° 3	9°47	5°51	15°51	0°57	14°52	14°44	1°38	1°13	5°11	6°42	T 24
F 25	0 36 27	7°11'34	10♓54	19°21	20°59	10°27	5°50	15°55	0°56	14°52	14°43	1°38	1°10	5°17	6°43	F 25
S 26	0 40 24	8°11'05	24°35	20°35	21°55	11° 8	5°48	15°59	0°56	14°51	14°42	1°38	1° 7	5°24	6°45	S 26
S 27	0 44 20	9°10'38	8♈ 1	21°53	22°52	11°48	5°47	16° 3	0°55	14°51	14°41	1°R38	1° 4	5°31	6°46	S 27
M28	0 48 17	10°10'12	21°12	23°16	23°49	12°28	5°45	16° 7	0°55	14°50	14°40	1°38	1° 0	5°38	6°48	M28
T 29	0 52 13	11° 9'49	4♉ 6	24°43	24°47	13° 9	5°43	16°11	0°55	14°50	14°39	1°37	0°57	5°44	6°49	T 29
W30	0 56 10	12♎ 9'29	16♉44	26♍13	25♌45	13♎49	5♊41	16♐16	0♒54	14♊49	14♓38	1♈36	0♈54	5♋51	6♏51	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n30	12n11	2n11	2s20	3s57	15n15	4s37	2n53	0n46	20n28	0s51	21s37	1n 5	20s35	0s39	21n19	1s24	20s48	16s17	0n40	0n58	28n41	17s 6	6n19
W 2	6 7	17 32	3 11	1 57	3 52	15 16	4 28	2 37	0 45	20 28	0 52	21 37	1 4	20 36	0 39	21 19	1 24	20 49	16 17	0 40	0 57	28 41	17 6	6 18
T 3	5 44	22 2	4 1	1 30	3 45	15 16	4 19	2 21	0 45	20 29	0 52	21 38	1 4	20 36	0 39	21 19	1 24	20 49	16 17	0 41	0 56	28 41	17 7	6 18
F 4	5 22	25 30	4 38	0 59	3 36	15 16	4 11	2 5	0 44	20 29	0 52	21 38	1 4	20 36	0 39	21 19	1 24	20 50	16 17	0 41	0 55	28 40	17 7	6 17
S 5	4 59	27 47	5 3	0 25	3 25	15 15	4 2	1 49	0 44	20 30	0 52	21 39	1 4	20 37	0 39	21 19	1 24	20 50	16 17	0 41	0 53	28 40	17 8	6 17
S 6	4 36	28 47	5 15	0n13	3 12	15 14	3 54	1 32	0 43	20 30	0 52	21 39	1 4	20 37	0 39	21 19	1 24	20 50	16 17	0 41	0 52	28 40	17 8	6 16
M 7	4 12	28 27	5 13	0 53	2 57	15 12	3 45	1 16	0 43	20 31	0 52	21 40	1 4	20 37	0 39	21 19	1 24	20 51	16 17	0 41	0 51	28 40	17 9	6 16
T 8	3 49	26 48	4 58	1 34	2 40	15 10	3 37	1 0	0 43	20 31	0 52	21 40	1 3	20 37	0 39	21 19	1 24	20 51	16 17	0 40	0 50	28 40	17 9	6 15
W 9	3 26	23 54	4 30	2 16	2 23	15 7	3 29	0 44	0 42	20 31	0 52	21 40	1 3	20 38	0 39	21 19	1 24	20 52	16 17	0 40	0 48	28 39	17 10	6 15
T 10	3 2	19 55	3 48	2 58	2 4	15 4	3 20	0 27	0 42	20 31	0 52	21 41	1 3	20 38	0 39	21 19	1 24	20 52	16 17	0 39	0 47	28 39	17 10	6 15
F 11	2 39	15 0	2 56	3 38	1 44	15 0	3 12	0 11	0 41	20 32	0 52	21 41	1 3	20 38	0 39	21 19	1 24	20 53	16 17	0 39	0 46	28 39	17 10	6 14
S 12	2 15	9 21	1 53	4 17	1 24	14 56	3 4	0s 5	0 41	20 32	0 52	21 42	1 3	20 38	0 39	21 19	1 24	20 53	16 17	0 38	0 44	28 39	17 11	6 14
S 13	1 52	3 12	0 44	4 52	1 3	14 51	2 56	0 22	0 40	20 32	0 52	21 42	1 2	20 39	0 39	21 19	1 24	20 54	16 17	0 38	0 43	28 39	17 11	6 13
M14	1 28	3s13	0s30	5 24	0 43	14 46	2 48	0 38	0 40	20 32	0 52	21 43	1 2	20 39	0 39	21 19	1 24	20 54	16 17	0 38	0 42	28 38	17 12	6 13
T 15	1 5	9 36	1 43	5 51	0 24	14 40	2 40	0 54	0 39	20 32	0 52	21 43	1 2	20 39	0 39	21 19	1 24	20 54	16 17	0 38	0 41	28 38	17 12	6 12
W16	0 41	15 39	2 51	6 14	0 5	14 34	2 32	1 11	0 39	20 32	0 52	21 44	1 2	20 39	0 39	21 18	1 24	20 55	16 17	0 38	0 39	28 38	17 13	6 12
T 17	0 17	20 58	3 50	6 31	0n13	14 27	2 24	1 27	0 38	20 32	0 52	21 44	1 2	20 39	0 39	21 18	1 24	20 55	16 17	0 39	0 38	28 37	17 13	6 11
F 18	0s 6	25 11	4 36	6 43	0 29	14 20	2 16	1 43	0 38	20 32	0 52	21 45	1 2	20 40	0 39	21 18	1 24	20 56	16 17	0 39	0 37	28 37	17 13	6 11
S 19	0 30	27 55	5 6	6 50	0 44	14 12	2 9	2 0	0 37	20 32	0 52	21 45	1 1	20 40	0 39	21 18	1 24	20 56	16 17	0 39	0 36	28 37	17 14	6 10
S 20	0 54	28 50	5 17	6 52	0 58	14 3	2 1	2 16	0 37	20 32	0 53	21 46	1 1	20 40	0 38	21 18	1 24	20 56	16 16	0 39	0 34	28 37	17 14	6 10
M21	1 17	27 52	5 9	6 49	1 10	13 55	1 54	2 33	0 36	20 32	0 53	21 46	1 1	20 40	0 38	21 18	1 24	20 57	16 16	0 39	0 33	28 36	17 15	6 10
T 22	1 41	25 5	4 42	6 41	1 21	13 45	1 46	2 49	0 36	20 32	0 53	21 47	1 1	20 40	0 38	21 18	1 24	20 57	16 16	0 39	0 32	28 36	17 15	6 9
W23	2 5	20 48	3 58	6 28	1 31	13 35	1 39	3 5	0 35	20 32	0 53	21 48	1 1	20 40	0 38	21 18	1 24	20 57	16 16	0 39	0 31	28 36	17 15	6 9
T 24	2 28	15 23	3 0	6 12	1 39	13 25	1 32	3 22	0 35	20 32	0 53	21 48	1 1	20 40	0 38	21 18	1 24	20 58	16 16	0 39	0 29	28 35	17 16	6 8
F 25	2 52	9 15	1 52	5 51	1 45	13 14	1 25	3 38	0 34	20 31	0 53	21 49	1 0	20 40	0 38	21 18	1 25	20 58	16 16	0 39	0 28	28 35	17 16	6 8
S 26	3 16	2 46	0 39	5 27	1 51	13 3	1 18	3 54	0 34	20 31	0 53	21 49	1 0	20 41	0 38	21 18	1 25	20 58	16 16	0 39	0 27	28 35	17 17	6 7
S 27	3 39	3n44	0n35	4 59	1 55	12 51	1 11	4 11	0 33	20 31	0 53	21 50	1 0	20 41	0 38	21 18	1 25	20 59	16 16	0 39	0 25	28 34	17 17	6 7
M28	4 3	9 57	1 46	4 29	1 58	12 38	1 4	4 27	0 33	20 30	0 53	21 50	1 0	20 41	0 38	21 18	1 25	20 59	16 15	0 39	0 24	28 34	17 17	6 6
T 29	4 26	15 37	2 50	3 57	2 0	12 25	0 58	4 43	0 32	20 30	0 53	21 51	1 0	20 41	0 38	21 18	1 25	20 59	16 15	0 39	0 23	28 34	17 18	6 6
W30	4s50	20n30	3n44	3n22	2n 1	12n12	0s51	5s 0	0n32	20n30	0s53	21s52	1n 0	20s41	0s38	21n17	1s25	21s 0	16s15	0n38	0n22	28n33	17s18	6n 6

Julian Day Number = 2113944.5, Delta T = 19m05s
Ecliptic obliquity = 23°33'42, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°51'18, Lahiri = 10°58'19 Julian Calendar 1 Sept. 1075 == Greg. Calendar 7 Sept. 1075

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1075
geocentric

OCTOBER 1075 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 0 7	13♎ 9'10	29♉ 6	27♍45	26♌44	14♎30	5°R38	16♐20	0°R54	14°R49	14°R37	1°R34	0♈51	5♋58	6♑53	T 1
F 2	1 4 3	14° 8'54	11♊16	29°19	27°43	15°11	5♊36	16°24	0♒54	14♊48	14♓36	1♈32	0°48	6° 4	6°55	F 2
S 3	1 8 0	15° 8'40	23°16	0♎55	28°43	15°51	5°33	16°29	0°54	14°47	14°35	1°31	0°45	6°11	6°57	S 3
S 4	1 11 56	16° 8'28	5♋10	2°32	29°43	16°32	5°30	16°33	0°54	14°47	14°34	1°30	0°41	6°18	6°59	S 4
M 5	1 15 53	17° 8'18	17° 3	4°11	0♍44	17°13	5°27	16°38	0°D54	14°46	14°33	1°D29	0°38	6°25	7° 1	M 5
T 6	1 19 49	18° 8'11	28°58	5°50	1°45	17°54	5°24	16°43	0°54	14°45	14°32	1°30	0°35	6°31	7° 3	T 6
W 7	1 23 46	19° 8'06	11♌ 2	7°29	2°46	18°34	5°20	16°47	0°54	14°44	14°31	1°31	0°32	6°38	7° 6	W 7
T 8	1 27 42	20° 8'03	23°18	9° 9	3°48	19°15	5°17	16°52	0°54	14°44	14°30	1°32	0°29	6°45	7° 8	T 8
F 9	1 31 39	21° 8'02	5♍51	10°49	4°50	19°56	5°13	16°57	0°54	14°43	14°29	1°34	0°25	6°51	7°10	F 9
S 10	1 35 36	22° 8'04	18°43	12°30	5°53	20°37	5° 9	17° 2	0°54	14°42	14°28	1°35	0°22	6°58	7°13	S 10
S 11	1 39 32	23° 8'07	1♎57	14°10	6°56	21°18	5° 4	17° 7	0°55	14°41	14°27	1°R35	0°19	7° 5	7°15	S 11
M12	1 43 29	24° 8'13	15°33	15°50	7°59	21°59	5° 0	17°12	0°55	14°40	14°26	1°35	0°16	7°12	7°18	M12
T 13	1 47 25	25° 8'20	29°28	17°30	9° 3	22°40	4°55	17°17	0°55	14°39	14°25	1°33	0°13	7°18	7°21	T 13
W14	1 51 22	26° 8'30	13♏40	19° 9	10° 7	23°21	4°50	17°23	0°56	14°38	14°25	1°30	0°10	7°25	7°24	W14
T 15	1 55 18	27° 8'41	28° 3	20°49	11°11	24° 3	4°45	17°28	0°56	14°37	14°24	1°26	0° 6	7°32	7°26	T 15
F 16	1 59 15	28° 8'54	12♐33	22°28	12°16	24°44	4°40	17°33	0°57	14°36	14°23	1°23	0° 3	7°39	7°29	F 16
S 17	2 3 11	29° 9'09	27° 2	24° 7	13°21	25°25	4°35	17°39	0°57	14°35	14°22	1°19	0° 0	7°45	7°32	S 17
S 18	2 7 8	0♏ 9'25	11♑26	25°45	14°26	26° 6	4°29	17°44	0°58	14°34	14°21	1°17	29♓57	7°52	7°35	S 18
M19	2 11 5	1° 9'43	25°41	27°23	15°31	26°48	4°24	17°50	0°59	14°33	14°21	1°D15	29°54	7°59	7°38	M19
T 20	2 15 1	2°10'02	9♒45	29° 1	16°37	27°29	4°18	17°55	0°59	14°32	14°20	1°15	29°51	8° 5	7°42	T 20
W21	2 18 58	3°10'22	23°37	0♏38	17°43	28°11	4°12	18° 1	1° 0	14°31	14°19	1°17	29°47	8°12	7°45	W21
T 22	2 22 54	4°10'44	7♓15	2°15	18°49	28°52	4° 6	18° 7	1° 1	14°29	14°18	1°18	29°44	8°19	7°48	T 22
F 23	2 26 51	5°11'08	20°42	3°52	19°56	29°34	4° 0	18°12	1° 2	14°28	14°18	1°20	29°41	8°26	7°51	F 23
S 24	2 30 47	6°11'33	3♈56	5°28	21° 2	0♏15	3°53	18°18	1° 3	14°27	14°17	1°R20	29°38	8°32	7°55	S 24
S 25	2 34 44	7°11'59	16°58	7° 4	22° 9	0°57	3°47	18°24	1° 4	14°26	14°16	1°19	29°35	8°39	7°58	S 25
M26	2 38 40	8°12'27	29°49	8°40	23°16	1°39	3°40	18°30	1° 5	14°24	14°16	1°16	29°31	8°46	8° 2	M26
T 27	2 42 37	9°12'56	12♉28	10°16	24°24	2°20	3°33	18°36	1° 6	14°23	14°15	1°11	29°28	8°52	8° 6	T 27
W28	2 46 34	10°13'28	24°55	11°51	25°32	3° 2	3°27	18°42	1° 7	14°22	14°15	1° 4	29°25	8°59	8° 9	W28
T 29	2 50 30	11°14'01	7♊11	13°26	26°39	3°44	3°20	18°48	1° 8	14°20	14°14	0°57	29°22	9° 6	8°13	T 29
F 30	2 54 27	12°14'35	19°17	15° 0	27°48	4°26	3°12	18°54	1° 9	14°19	14°13	0°49	29°19	9°13	8°17	F 30
S 31	2 58 23	13♏15'12	1♋15	16♏35	28♍56	5♏ 8	3♊ 5	19♐ 0	1♒11	14♊18	14♓13	0♈41	29♓16	9♋19	8♑21	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s13	24n24	4n27	2n45	2n 1	11n58	0s45	5s16	0n31	20n29	0s53	21s52	1n 0	20s41	0s38	21n17	1s25	21s 0	16s15	0n38	0n20	28n33	17s18	6n 5
F 2	5 36	27 8	4 56	2 7	2 1	11 44	0 38	5 32	0 31	20 29	0 53	21 53	0 59	20 41	0 38	21 17	1 25	21 0	16 15	0 37	0 19	28 32	17 19	6 5
S 3	6 0	28 35	5 12	1 27	1 59	11 29	0 32	5 48	0 30	20 28	0 53	21 53	0 59	20 41	0 38	21 17	1 25	21 0	16 15	0 36	0 18	28 32	17 19	6 4
S 4	6 23	28 42	5 15	0 47	1 57	11 14	0 26	6 5	0 30	20 28	0 53	21 54	0 59	20 41	0 38	21 17	1 25	21 1	16 15	0 36	0 17	28 32	17 19	6 4
M 5	6 46	27 30	5 4	0 5	1 55	10 58	0 20	6 21	0 29	20 27	0 53	21 55	0 59	20 41	0 38	21 17	1 25	21 1	16 14	0 36	0 15	28 31	17 20	6 3
T 6	7 9	25 2	4 40	0s37	1 52	10 41	0 14	6 37	0 29	20 26	0 53	21 55	0 59	20 41	0 38	21 17	1 25	21 1	16 14	0 36	0 14	28 31	17 20	6 3
W 7	7 32	21 27	4 4	1 20	1 48	10 25	0 8	6 53	0 28	20 26	0 53	21 56	0 59	20 41	0 38	21 17	1 25	21 1	16 14	0 36	0 13	28 30	17 20	6 3
T 8	7 55	16 54	3 16	2 3	1 44	10 8	0 2	7 9	0 28	20 25	0 53	21 56	0 58	20 41	0 38	21 17	1 25	21 1	16 14	0 37	0 11	28 30	17 21	6 2
F 9	8 17	11 32	2 17	2 47	1 39	9 50	0n 3	7 25	0 27	20 24	0 53	21 57	0 58	20 41	0 38	21 16	1 25	21 2	16 14	0 37	0 10	28 29	17 21	6 2
S 10	8 40	5 34	1 10	3 31	1 35	9 32	0 9	7 41	0 26	20 24	0 53	21 58	0 58	20 41	0 38	21 16	1 25	21 2	16 13	0 38	0 9	28 29	17 21	6 1
S 11	9 2	0s49	0s 2	4 14	1 29	9 14	0 14	7 57	0 26	20 23	0 53	21 58	0 58	20 40	0 38	21 16	1 25	21 2	16 13	0 38	0 8	28 28	17 21	6 1
M12	9 24	7 19	1 16	4 58	1 24	8 55	0 19	8 13	0 25	20 22	0 53	21 59	0 58	20 40	0 38	21 16	1 25	21 2	16 13	0 38	0 6	28 28	17 22	6 0
T 13	9 47	13 38	2 27	5 42	1 18	8 36	0 24	8 29	0 25	20 21	0 53	22 0	0 58	20 40	0 38	21 16	1 25	21 2	16 13	0 37	0 5	28 27	17 22	6 0
W14	10 9	19 22	3 31	6 25	1 13	8 16	0 29	8 45	0 24	20 20	0 53	22 0	0 58	20 40	0 38	21 16	1 25	21 2	16 12	0 36	0 4	28 27	17 22	6 0
T 15	10 30	24 4	4 22	7 8	1 7	7 56	0 34	9 0	0 24	20 20	0 53	22 1	0 57	20 40	0 38	21 16	1 25	21 2	16 12	0 35	0 3	28 26	17 22	5 59
F 16	10 52	27 19	4 56	7 51	1 0	7 36	0 39	9 16	0 23	20 19	0 53	22 1	0 57	20 40	0 38	21 15	1 25	21 3	16 12	0 33	0 1	28 26	17 23	5 59
S 17	11 14	28 44	5 12	8 34	0 54	7 15	0 44	9 32	0 23	20 18	0 53	22 2	0 57	20 40	0 38	21 15	1 25	21 3	16 12	0 32	0 0	28 25	17 23	5 58
S 18	11 35	28 11	5 8	9 16	0 48	6 54	0 48	9 47	0 22	20 17	0 53	22 3	0 57	20 40	0 38	21 15	1 25	21 3	16 11	0 31	0s 1	28 25	17 23	5 58
M19	11 56	25 47	4 45	9 57	0 41	6 33	0 53	10 3	0 22	20 16	0 53	22 3	0 57	20 39	0 38	21 15	1 25	21 3	16 11	0 30	0 3	28 24	17 23	5 58
T 20	12 17	21 50	4 5	10 38	0 35	6 11	0 57	10 18	0 21	20 15	0 53	22 4	0 57	20 39	0 38	21 15	1 25	21 3	16 11	0 30	0 4	28 24	17 24	5 57
W21	12 38	16 44	3 11	11 19	0 28	5 49	1 1	10 34	0 20	20 14	0 53	22 5	0 57	20 39	0 38	21 15	1 25	21 3	16 11	0 31	0 5	28 23	17 24	5 57
T 22	12 59	10 52	2 8	11 59	0 21	5 27	1 5	10 49	0 20	20 12	0 53	22 5	0 57	20 39	0 38	21 14	1 25	21 3	16 10	0 31	0 6	28 23	17 24	5 57
F 23	13 19	4 35	0 58	12 38	0 15	5 4	1 9	11 4	0 19	20 11	0 53	22 6	0 56	20 39	0 38	21 14	1 25	21 3	16 10	0 32	0 8	28 22	17 24	5 56
S 24	13 39	1n47	0n14	13 17	0 8	4 41	1 13	11 20	0 19	20 10	0 53	22 7	0 56	20 38	0 38	21 14	1 25	21 3	16 10	0 32	0 9	28 21	17 24	5 56
S 25	13 59	8 0	1 24	13 55	0 1	4 18	1 17	11 35	0 18	20 9	0 53	22 7	0 56	20 38	0 38	21 14	1 25	21 3	16 10	0 31	0 10	28 21	17 24	5 55
M26	14 19	13 47	2 29	14 33	0s 5	3 54	1 20	11 50	0 18	20 8	0 53	22 8	0 56	20 38	0 38	21 14	1 25	21 3	16 9	0 30	0 11	28 20	17 25	5 55
T 27	14 38	18 54	3 25	15 10	0 12	3 31	1 24	12 5	0 17	20 6	0 53	22 8	0 56	20 38	0 37	21 14	1 25	21 3	16 9	0 28	0 13	28 20	17 25	5 55
W28	14 58	23 8	4 10	15 46	0 19	3 7	1 27	12 20	0 17	20 5	0 53	22 9	0 56	20 37	0 37	21 13	1 26	21 3	16 9	0 26	0 14	28 19	17 25	5 54
T 29	15 17	26 16	4 43	16 21	0 25	2 43	1 30	12 34	0 16	20 4	0 53	22 10	0 56	20 37	0 37	21 13	1 26	21 3	16 8	0 23	0 15	28 18	17 25	5 54
F 30	15 35	28 9	5 2	16 55	0 32	2 18	1 33	12 49	0 15	20 3	0 53	22 10	0 56	20 37	0 37	21 13	1 26	21 3	16 8	0 19	0 16	28 18	17 25	5 54
S 31	15s54	28n42	5n 8	17s29	0s38	1n54	1n36	13s 4	0n15	20n 1	0s53	22s11	0n55	20s36	0s37	21n13	1s26	21s 3	16s 8	0n17	0s18	28n17	17s25	5n53

Julian Day Number = 2113974.5, Delta T = 19m04s
Ecliptic obliquity = 23°33'42, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°51'22, Lahiri = 10°58'23 Julian Calendar 1 Oct. 1075 == Greg. Calendar 7 Oct. 1075

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1075
geocentric

NOVEMBER 1075 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 2 20	14♏15'50	13♋ 8	18♏ 9	0♎ 4	5♏50	2°R58	19♐ 6	1♒12	14°R16	14°R12	0°R35	29♓12	9♋26	8♉24	S 1
M 2	3 6 16	15°16'29	24°59	19°43	1°13	6°32	2♊50	19°13	1°13	14♊15	14♓12	0♈31	29° 9	9°33	8°28	M 2
T 3	3 10 13	16°17'11	6♌52	21°17	2°22	7°14	2°43	19°19	1°15	14°13	14°11	0°28	29° 6	9°40	8°32	T 3
W 4	3 14 9	17°17'54	18°53	22°51	3°31	7°56	2°35	19°25	1°16	14°12	14°11	0°D28	29° 3	9°46	8°36	W 4
T 5	3 18 6	18°18'38	1♍ 6	24°24	4°40	8°38	2°28	19°32	1°18	14°10	14°11	0°28	29° 0	9°53	8°41	T 5
F 6	3 22 3	19°19'25	13°35	25°57	5°50	9°20	2°20	19°38	1°19	14° 9	14°10	0°30	28°57	10° 0	8°45	F 6
S 7	3 25 59	20°20'12	26°27	27°31	6°59	10° 2	2°12	19°45	1°21	14° 7	14°10	0°R31	28°53	10° 6	8°49	S 7
S 8	3 29 56	21°21'02	9♎44	29° 4	8° 9	10°44	2° 4	19°51	1°23	14° 6	14° 9	0°30	28°50	10°13	8°53	S 8
M 9	3 33 52	22°21'53	23°29	0♐37	9°19	11°27	1°56	19°58	1°24	14° 4	14° 9	0°28	28°47	10°20	8°57	M 9
T 10	3 37 49	23°22'45	7♏39	2°10	10°29	12° 9	1°48	20° 4	1°26	14° 3	14° 9	0°23	28°44	10°27	9° 2	T 10
W11	3 41 45	24°23'39	22°13	3°43	11°39	12°51	1°40	20°11	1°28	14° 1	14° 8	0°16	28°41	10°33	9° 6	W11
T 12	3 45 42	25°24'34	7♐ 3	5°15	12°49	13°34	1°32	20°17	1°30	14° 0	14° 8	0° 8	28°37	10°40	9°11	T 12
F 13	3 49 38	26°25'30	22° 1	6°48	14° 0	14°16	1°24	20°24	1°32	13°58	14° 8	29♓58	28°34	10°47	9°15	F 13
S 14	3 53 35	27°26'27	6♑58	8°20	15°10	14°59	1°16	20°31	1°33	13°56	14° 8	29°50	28°31	10°53	9°20	S 14
S 15	3 57 32	28°27'25	21°44	9°53	16°21	15°42	1° 8	20°37	1°35	13°55	14° 8	29°43	28°28	11° 0	9°24	S 15
M16	4 1 28	29°28'23	6♒14	11°25	17°32	16°24	0°59	20°44	1°37	13°53	14° 7	29°38	28°25	11° 7	9°29	M16
T 17	4 5 25	0♐29'23	20°23	12°57	18°43	17° 7	0°51	20°51	1°39	13°51	14° 7	29°36	28°22	11°14	9°34	T 17
W18	4 9 21	1°30'23	4♓12	14°29	19°54	17°49	0°43	20°58	1°42	13°50	14° 7	29°D35	28°18	11°20	9°38	W18
T 19	4 13 18	2°31'23	17°40	16° 1	21° 5	18°32	0°35	21° 5	1°44	13°48	14° 7	29°36	28°15	11°27	9°43	T 19
F 20	4 17 14	3°32'24	0♈51	17°32	22°17	19°15	0°27	21°11	1°46	13°46	14° 7	29°R36	28°12	11°34	9°48	F 20
S 21	4 21 11	4°33'26	13°46	19° 3	23°28	19°58	0°19	21°18	1°48	13°45	14° 7	29°35	28° 9	11°41	9°53	S 21
S 22	4 25 7	5°34'28	26°28	20°34	24°40	20°41	0°10	21°25	1°50	13°43	14° 7	29°32	28° 6	11°47	9°58	S 22
M23	4 29 4	6°35'31	8♉59	22° 4	25°51	21°24	0° 2	21°32	1°53	13°41	14°D 7	29°26	28° 3	11°54	10° 2	M23
T 24	4 33 1	7°36'35	21°22	23°34	27° 3	22° 7	29♉54	21°39	1°55	13°40	14° 7	29°17	27°59	12° 1	10° 7	T 24
W25	4 36 57	8°37'39	3♊36	25° 3	28°15	22°50	29°46	21°46	1°57	13°38	14° 7	29° 5	27°56	12° 7	10°12	W25
T 26	4 40 54	9°38'44	15°42	26°32	29°27	23°33	29°38	21°53	2° 0	13°36	14° 7	28°52	27°53	12°14	10°17	T 26
F 27	4 44 50	10°39'50	27°43	27°59	0♏39	24°16	29°30	22° 0	2° 2	13°35	14° 7	28°38	27°50	12°21	10°22	F 27
S 28	4 48 47	11°40'57	9♋38	29°25	1°51	24°59	29°23	22° 7	2° 5	13°33	14° 7	28°24	27°47	12°28	10°27	S 28
S 29	4 52 43	12°42'04	21°29	0♑50	3° 3	25°42	29°15	22°14	2° 7	13°31	14° 7	28°13	27°43	12°34	10°32	S 29
M30	4 56 40	13♐43'12	3♌20	2♑13	4♏15	26♏25	29♉ 7	22♐21	2♒10	13♊30	14♓ 7	28♓ 3	27♓40	12♋41	10♑38	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s12	27n54	5n 1	18s 2	0s44	1n29	1n39	13s18	0n14	20n 0	0s53	22s12	0n55	20s36	0s37	21n13	1s26	21s 3	16s 8	0n14	0s19	28n16	17s25	5n53
M 2	16 30	25 51	4 41	18 34	0 50	1 4	1 42	13 33	0 14	19 59	0 52	22 12	0 55	20 36	0 37	21 13	1 26	21 3	16 7	0 12	0 20	28 16	17 25	5 53
T 3	16 48	22 39	4 9	19 5	0 57	0 39	1 44	13 47	0 13	19 57	0 52	22 13	0 55	20 35	0 37	21 12	1 26	21 3	16 7	0 11	0 22	28 15	17 25	5 52
W 4	17 5	18 29	3 25	19 35	1 3	0 14	1 47	14 2	0 12	19 56	0 52	22 13	0 55	20 35	0 37	21 12	1 26	21 2	16 7	0 11	0 23	28 14	17 25	5 52
T 5	17 22	13 30	2 32	20 4	1 8	0s12	1 49	14 16	0 12	19 54	0 52	22 14	0 55	20 35	0 37	21 12	1 26	21 2	16 6	0 11	0 24	28 14	17 25	5 52
F 6	17 39	7 52	1 30	20 33	1 14	0 37	1 51	14 30	0 11	19 53	0 52	22 15	0 55	20 34	0 37	21 12	1 26	21 2	16 6	0 12	0 25	28 13	17 25	5 52
S 7	17 55	1 45	0 22	21 0	1 20	1 3	1 53	14 44	0 11	19 51	0 52	22 15	0 55	20 34	0 37	21 12	1 26	21 2	16 6	0 12	0 27	28 12	17 26	5 51
S 8	18 11	4s38	0s49	21 26	1 25	1 29	1 55	14 58	0 10	19 50	0 52	22 16	0 55	20 34	0 37	21 11	1 26	21 2	16 5	0 12	0 28	28 12	17 26	5 51
M 9	18 27	11 1	2 0	21 51	1 30	1 55	1 57	15 12	0 9	19 48	0 52	22 16	0 54	20 33	0 37	21 11	1 26	21 2	16 5	0 11	0 29	28 11	17 26	5 51
T 10	18 43	17 3	3 6	22 15	1 35	2 21	1 59	15 25	0 9	19 47	0 52	22 17	0 54	20 33	0 37	21 11	1 26	21 2	16 5	0 9	0 30	28 10	17 26	5 50
W11	18 58	22 17	4 1	22 38	1 40	2 47	2 1	15 39	0 8	19 45	0 52	22 18	0 54	20 32	0 37	21 11	1 26	21 1	16 4	0 7	0 32	28 10	17 26	5 50
T 12	19 13	26 12	4 40	23 0	1 45	3 13	2 2	15 52	0 8	19 44	0 52	22 18	0 54	20 32	0 37	21 11	1 26	21 1	16 4	0 3	0 33	28 9	17 25	5 50
F 13	19 27	28 20	5 2	23 21	1 49	3 39	2 4	16 5	0 7	19 42	0 51	22 19	0 54	20 31	0 37	21 10	1 26	21 1	16 4	0s 1	0 34	28 8	17 25	5 50
S 14	19 41	28 24	5 2	23 40	1 53	4 5	2 5	16 19	0 6	19 41	0 51	22 19	0 54	20 31	0 37	21 10	1 26	21 1	16 3	0 4	0 36	28 7	17 25	5 49
S 15	19 55	26 27	4 43	23 58	1 57	4 31	2 6	16 32	0 6	19 39	0 51	22 20	0 54	20 31	0 37	21 10	1 26	21 1	16 3	0 7	0 37	28 6	17 25	5 49
M16	20 8	22 46	4 5	24 15	2 1	4 58	2 7	16 45	0 5	19 38	0 51	22 21	0 54	20 30	0 37	21 10	1 26	21 0	16 3	0 9	0 38	28 6	17 25	5 49
T 17	20 21	17 49	3 13	24 31	2 4	5 24	2 8	16 57	0 5	19 36	0 51	22 21	0 54	20 30	0 37	21 10	1 26	21 0	16 2	0 10	0 39	28 5	17 25	5 49
W18	20 34	12 3	2 11	24 45	2 7	5 50	2 9	17 10	0 4	19 35	0 51	22 22	0 54	20 29	0 37	21 9	1 26	21 0	16 2	0 10	0 41	28 4	17 25	5 48
T 19	20 46	5 52	1 3	24 58	2 10	6 16	2 10	17 23	0 3	19 33	0 51	22 22	0 53	20 29	0 37	21 9	1 26	21 0	16 2	0 10	0 42	28 3	17 25	5 48
F 20	20 58	0n26	0n 7	25 10	2 12	6 42	2 10	17 35	0 3	19 31	0 50	22 23	0 53	20 28	0 37	21 9	1 26	20 59	16 1	0 9	0 43	28 3	17 25	5 48
S 21	21 10	6 36	1 15	25 20	2 14	7 8	2 11	17 47	0 2	19 30	0 50	22 23	0 53	20 28	0 37	21 9	1 26	20 59	16 1	0 10	0 44	28 2	17 25	5 48
S 22	21 21	12 24	2 18	25 28	2 15	7 34	2 11	17 59	0 2	19 28	0 50	22 24	0 53	20 27	0 37	21 9	1 26	20 59	16 1	0 11	0 46	28 1	17 25	5 47
M23	21 31	17 37	3 13	25 36	2 16	8 0	2 12	18 11	0 1	19 27	0 50	22 24	0 53	20 26	0 37	21 8	1 26	20 58	16 0	0 14	0 47	28 0	17 24	5 47
T 24	21 41	22 1	3 58	25 41	2 17	8 26	2 12	18 23	0 0	19 25	0 50	22 25	0 53	20 26	0 37	21 8	1 26	20 58	16 0	0 17	0 48	27 59	17 24	5 47
W25	21 51	25 25	4 32	25 45	2 17	8 51	2 12	18 35	0s 0	19 24	0 50	22 25	0 53	20 25	0 37	21 8	1 26	20 58	16 0	0 22	0 49	27 58	17 24	5 47
T 26	22 1	27 38	4 53	25 48	2 17	9 17	2 12	18 46	0 1	19 22	0 50	22 26	0 53	20 25	0 37	21 8	1 26	20 57	15 59	0 27	0 51	27 58	17 24	5 47
F 27	22 10	28 33	5 0	25 48	2 16	9 42	2 12	18 58	0 2	19 21	0 49	22 26	0 53	20 24	0 37	21 8	1 26	20 57	15 59	0 33	0 52	27 57	17 24	5 47
S 28	22 18	28 7	4 55	25 48	2 14	10 7	2 11	19 9	0 2	19 19	0 49	22 27	0 53	20 24	0 37	21 7	1 26	20 57	15 59	0 38	0 53	27 56	17 23	5 46
S 29	22 26	26 23	4 36	25 45	2 12	10 32	2 11	19 20	0 3	19 18	0 49	22 27	0 53	20 23	0 37	21 7	1 26	20 56	15 58	0 43	0 55	27 55	17 23	5 46
M30	22s34	23n30	4n 6	25s42	2s 9	10s57	2n11	19s31	0s 4	19n16	0s49	22s28	0n53	20s22	0s37	21n 7	1s26	20s56	15s58	0s47	0s56	27n54	17s23	5n46

Julian Day Number = 2114005.5, Delta T = 19m04s
Ecliptic obliquity = 23°33'42, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°51'27, Lahiri = 10°58'27 Julian Calendar 1 Nov. 1075 == Greg. Calendar 7 Nov. 1075

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1075
geocentric

DECEMBER 1075 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 0 37	14♐44'20	15♌12	3♑34	5♏28	27♏ 9	28°R59	22♐28	2♒12	13°R28	14♓ 8	27°R57	27♓37	12♋48	10♑43	T 1
W 2	5 4 33	15°45'29	27°10	4°53	6°40	27°52	28♉52	22°35	2°15	13♊26	14° 8	27♓53	27°34	12°54	10°48	W 2
T 3	5 8 30	16°46'39	9♍18	6°10	7°53	28°35	28°44	22°42	2°18	13°24	14° 8	27°52	27°31	13° 1	10°53	T 3
F 4	5 12 26	17°47'50	21°43	7°23	9° 5	29°19	28°37	22°49	2°20	13°23	14° 8	27°51	27°28	13° 8	10°58	F 4
S 5	5 16 23	18°49'01	4♎28	8°33	10°18	0♐ 2	28°30	22°56	2°23	13°21	14° 9	27°51	27°24	13°15	11° 4	S 5
S 6	5 20 19	19°50'13	17°39	9°38	11°31	0°46	28°23	23° 3	2°26	13°19	14° 9	27°50	27°21	13°21	11° 9	S 6
M 7	5 24 16	20°51'25	1♏19	10°39	12°43	1°29	28°16	23°10	2°29	13°18	14° 9	27°47	27°18	13°28	11°14	M 7
T 8	5 28 12	21°52'38	15°30	11°34	13°56	2°13	28° 9	23°17	2°32	13°16	14°10	27°41	27°15	13°35	11°19	T 8
W 9	5 32 9	22°53'51	0♐ 9	12°22	15° 9	2°56	28° 2	23°25	2°34	13°14	14°10	27°32	27°12	13°41	11°25	W 9
T 10	5 36 6	23°55'05	15°11	13° 3	16°22	3°40	27°55	23°32	2°37	13°13	14°10	27°21	27° 9	13°48	11°30	T 10
F 11	5 40 2	24°56'19	0♑26	13°36	17°35	4°24	27°49	23°39	2°40	13°11	14°11	27° 9	27° 5	13°55	11°36	F 11
S 12	5 43 59	25°57'33	15°44	14° 0	18°48	5° 8	27°42	23°46	2°43	13° 9	14°11	26°57	27° 2	14° 2	11°41	S 12
S 13	5 47 55	26°58'46	0♒52	14°14	20° 2	5°51	27°36	23°53	2°46	13° 8	14°12	26°47	26°59	14° 8	11°46	S 13
M14	5 51 52	28° 0'00	15°42	14°R17	21°15	6°35	27°30	24° 0	2°49	13° 6	14°12	26°40	26°56	14°15	11°52	M14
T 15	5 55 48	29° 1'13	0♓ 7	14° 8	22°28	7°19	27°24	24° 7	2°52	13° 4	14°13	26°36	26°53	14°22	11°57	T 15
W16	5 59 45	0♑ 2'26	14° 5	13°48	23°41	8° 3	27°18	24°14	2°55	13° 3	14°13	26°35	26°49	14°29	12° 3	W16
T 17	6 3 41	1° 3'38	27°37	13°16	24°55	8°47	27°13	24°21	2°58	13° 1	14°14	26°34	26°46	14°35	12° 8	T 17
F 18	6 7 38	2° 4'50	10♈45	12°32	26° 8	9°31	27° 7	24°28	3° 1	13° 0	14°15	26°34	26°43	14°42	12°14	F 18
S 19	6 11 35	3° 6'01	23°33	11°38	27°21	10°15	27° 2	24°35	3° 5	12°58	14°15	26°33	26°40	14°49	12°19	S 19
S 20	6 15 31	4° 7'12	6♉ 4	10°35	28°35	10°59	26°57	24°42	3° 8	12°56	14°16	26°29	26°37	14°55	12°25	S 20
M21	6 19 28	5° 8'23	18°24	9°23	29°48	11°43	26°52	24°49	3°11	12°55	14°16	26°23	26°34	15° 2	12°30	M21
T 22	6 23 24	6° 9'33	0♊33	8° 7	1♐ 2	12°27	26°47	24°56	3°14	12°53	14°17	26°13	26°30	15° 9	12°36	T 22
W23	6 27 21	7°10'42	12°36	6°48	2°15	13°12	26°43	25° 3	3°17	12°52	14°18	26° 1	26°27	15°16	12°41	W23
T 24	6 31 17	8°11'51	24°35	5°28	3°29	13°56	26°38	25°10	3°21	12°50	14°19	25°47	26°24	15°22	12°47	T 24
F 25	6 35 14	9°13'00	6♋29	4°11	4°43	14°40	26°34	25°17	3°24	12°49	14°19	25°32	26°21	15°29	12°52	F 25
S 26	6 39 11	10°14'08	18°22	2°58	5°56	15°24	26°30	25°24	3°27	12°47	14°20	25°18	26°18	15°36	12°58	S 26
S 27	6 43 7	11°15'16	0♌14	1°51	7°10	16° 9	26°26	25°31	3°30	12°46	14°21	25° 6	26°15	15°42	13° 3	S 27
M28	6 47 4	12°16'23	12° 6	0°52	8°24	16°53	26°22	25°38	3°34	12°44	14°22	24°56	26°11	15°49	13° 9	M28
T 29	6 51 0	13°17'29	24° 1	0° 1	9°38	17°37	26°19	25°45	3°37	12°43	14°23	24°48	26° 8	15°56	13°14	T 29
W30	6 54 57	14°18'36	6♍ 1	29♐20	10°51	18°22	26°15	25°52	3°40	12°42	14°23	24°44	26° 5	16° 3	13°20	W30
T 31	6 58 53	15♑19'41	18♍11	28♐48	12♐ 5	19♐ 6	26♉12	25♐59	3♒44	12♊40	14♓24	24♓43	26♓ 2	16♋ 9	13♑25	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s41	19n38	3n25	25s36	2s 5	11s22	2n10	19s41	0s 4	19n15	0s49	22s28	0n52	20s22	0s37	21n 7	1s26	20s55	15s58	0s49	0s57	27n53	17s23	5n46
W 2	22 48	14 56	2 35	25 29	2 1	11 46	2 10	19 52	0 5	19 13	0 48	22 29	0 52	20 21	0 37	21 7	1 26	20 55	15 57	0 51	0 58	27 52	17 23	5 46
T 3	22 54	9 37	1 36	25 20	1 55	12 10	2 9	20 2	0 5	19 12	0 48	22 29	0 52	20 21	0 37	21 6	1 26	20 55	15 57	0 51	1 0	27 51	17 22	5 46
F 4	23 0	3 48	0 32	25 10	1 49	12 34	2 8	20 12	0 6	19 10	0 48	22 30	0 52	20 20	0 37	21 6	1 26	20 54	15 57	0 51	1 1	27 50	17 22	5 45
S 5	23 5	2s19	0s35	24 59	1 42	12 58	2 7	20 22	0 7	19 9	0 48	22 30	0 52	20 19	0 37	21 6	1 26	20 54	15 56	0 51	1 2	27 49	17 22	5 45
S 6	23 10	8 32	1 43	24 46	1 34	13 22	2 6	20 32	0 7	19 8	0 48	22 31	0 52	20 19	0 37	21 6	1 26	20 53	15 56	0 52	1 3	27 49	17 21	5 45
M 7	23 15	14 36	2 47	24 32	1 25	13 45	2 5	20 42	0 8	19 6	0 47	22 31	0 52	20 18	0 37	21 6	1 26	20 53	15 55	0 53	1 5	27 48	17 21	5 45
T 8	23 19	20 7	3 43	24 17	1 14	14 8	2 4	20 51	0 9	19 5	0 47	22 32	0 52	20 17	0 37	21 5	1 26	20 52	15 55	0 56	1 6	27 47	17 21	5 45
W 9	23 22	24 38	4 27	24 1	1 3	14 30	2 3	21 0	0 9	19 4	0 47	22 32	0 52	20 17	0 37	21 5	1 26	20 52	15 55	0 59	1 7	27 46	17 20	5 45
T 10	23 25	27 35	4 53	23 45	0 50	14 53	2 2	21 9	0 10	19 2	0 47	22 32	0 52	20 16	0 37	21 5	1 26	20 52	15 54	1 4	1 9	27 45	17 20	5 45
F 11	23 28	28 33	4 59	23 27	0 36	15 14	2 0	21 18	0 11	19 1	0 47	22 33	0 52	20 15	0 37	21 5	1 26	20 51	15 54	1 8	1 10	27 44	17 20	5 45
S 12	23 30	27 20	4 44	23 10	0 21	15 36	1 59	21 27	0 11	19 0	0 46	22 33	0 52	20 15	0 37	21 5	1 26	20 51	15 54	1 13	1 11	27 43	17 19	5 45
S 13	23 32	24 7	4 9	22 52	0 4	15 57	1 57	21 35	0 12	18 59	0 46	22 34	0 52	20 14	0 36	21 5	1 26	20 50	15 53	1 17	1 12	27 42	17 19	5 45
M14	23 33	19 21	3 18	22 35	0n13	16 18	1 56	21 44	0 13	18 57	0 46	22 34	0 52	20 13	0 36	21 4	1 26	20 50	15 53	1 20	1 14	27 41	17 19	5 45
T 15	23 33	13 35	2 15	22 17	0 31	16 39	1 54	21 52	0 13	18 56	0 46	22 34	0 51	20 13	0 36	21 4	1 25	20 49	15 53	1 21	1 15	27 40	17 18	5 44
W16	23 34	7 18	1 5	22 0	0 50	16 59	1 52	22 0	0 14	18 55	0 46	22 35	0 51	20 12	0 36	21 4	1 25	20 49	15 52	1 22	1 16	27 39	17 18	5 44
T 17	23 33	0 52	0n 6	21 44	1 10	17 18	1 51	22 7	0 15	18 54	0 45	22 35	0 51	20 11	0 36	21 4	1 25	20 48	15 52	1 22	1 17	27 38	17 17	5 44
F 18	23 33	5n25	1 14	21 29	1 29	17 37	1 49	22 15	0 15	18 53	0 45	22 35	0 51	20 10	0 36	21 4	1 25	20 48	15 52	1 22	1 19	27 37	17 17	5 44
S 19	23 31	11 19	2 17	21 15	1 48	17 56	1 47	22 22	0 16	18 52	0 45	22 36	0 51	20 10	0 36	21 3	1 25	20 47	15 51	1 23	1 20	27 36	17 16	5 44
S 20	23 30	16 38	3 12	21 2	2 7	18 15	1 45	22 29	0 17	18 51	0 45	22 36	0 51	20 9	0 36	21 3	1 25	20 46	15 51	1 24	1 21	27 35	17 16	5 44
M21	23 28	21 11	3 57	20 50	2 24	18 32	1 43	22 36	0 17	18 50	0 44	22 36	0 51	20 8	0 36	21 3	1 25	20 46	15 51	1 27	1 22	27 33	17 15	5 44
T 22	23 25	24 47	4 31	20 39	2 40	18 50	1 41	22 42	0 18	18 49	0 44	22 37	0 51	20 7	0 36	21 3	1 25	20 45	15 50	1 31	1 24	27 32	17 15	5 44
W23	23 22	27 15	4 52	20 30	2 53	19 7	1 38	22 48	0 19	18 48	0 44	22 37	0 51	20 7	0 36	21 3	1 25	20 45	15 50	1 35	1 25	27 31	17 14	5 44
T 24	23 18	28 26	5 0	20 22	3 5	19 23	1 36	22 54	0 19	18 48	0 44	22 37	0 51	20 6	0 36	21 3	1 25	20 44	15 50	1 41	1 26	27 30	17 14	5 44
F 25	23 14	28 18	4 54	20 16	3 14	19 39	1 34	23 0	0 20	18 47	0 43	22 38	0 51	20 5	0 36	21 2	1 25	20 44	15 50	1 47	1 28	27 29	17 13	5 44
S 26	23 10	26 51	4 36	20 12	3 20	19 54	1 31	23 6	0 21	18 46	0 43	22 38	0 51	20 4	0 36	21 2	1 25	20 43	15 49	1 53	1 29	27 28	17 13	5 44
S 27	23 5	24 13	4 6	20 9	3 24	20 9	1 29	23 11	0 21	18 46	0 43	22 38	0 51	20 4	0 36	21 2	1 25	20 42	15 49	1 58	1 30	27 27	17 12	5 44
M28	22 59	20 32	3 25	20 8	3 26	20 23	1 27	23 17	0 22	18 45	0 43	22 39	0 51	20 3	0 36	21 2	1 25	20 42	15 49	2 2	1 31	27 26	17 12	5 44
T 29	22 54	16 1	2 35	20 9	3 25	20 37	1 24	23 22	0 23	18 44	0 43	22 39	0 51	20 2	0 36	21 2	1 25	20 41	15 48	2 4	1 33	27 25	17 11	5 44
W30	22 47	10 51	1 37	20 11	3 22	20 50	1 22	23 26	0 23	18 44	0 42	22 39	0 51	20 1	0 36	21 2	1 25	20 41	15 48	2 6	1 34	27 24	17 11	5 44
T 31	22s41	5n13	0n35	20s15	3n18	21s 3	1n19	23s31	0s24	18n43	0s42	22s39	0n51	20s 0	0s36	21n 2	1s25	20s40	15s48	2s 7	1s35	27n22	17s10	5n44

Julian Day Number = 2114035.5, Delta T = 19m04s
Ecliptic obliquity = 23°33'41, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°51'31, Lahiri = 10°58'31 Julian Calendar 1 Dec. 1075 == Greg. Calendar 7 Dec. 1075

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1076
geocentric

JANUARY 1076 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 2 50	16♑20'46	0♎34	28°R26	13♐19	19♐51	26°R 9	26♐ 5	3♒47	12°R39	14♓25	24°D42	25♓59	16♋16	13♑31	F 1
S 2	7 6 46	17°21'51	13°16	28♐13	14°33	20°36	26♉ 7	26°12	3°50	12♊38	14°26	24°R43	25°55	16°23	13°36	S 2
S 3	7 10 43	18°22'55	26°20	28°D 8	15°47	21°20	26° 4	26°19	3°54	12°36	14°27	24♓43	25°52	16°29	13°42	S 3
M 4	7 14 40	19°23'59	9♏50	28°12	17° 1	22° 5	26° 2	26°26	3°57	12°35	14°28	24°41	25°49	16°36	13°47	M 4
T 5	7 18 36	20°25'03	23°50	28°23	18°15	22°50	26° 0	26°32	4° 1	12°34	14°29	24°37	25°46	16°43	13°53	T 5
W 6	7 22 33	21°26'05	8♐18	28°41	19°29	23°34	25°58	26°39	4° 4	12°32	14°30	24°30	25°43	16°50	13°58	W 6
T 7	7 26 29	22°27'08	23°12	29° 6	20°43	24°19	25°56	26°46	4° 7	12°31	14°31	24°21	25°40	16°56	14° 4	T 7
F 8	7 30 26	23°28'09	8♑24	29°36	21°57	25° 4	25°55	26°52	4°11	12°30	14°32	24°11	25°36	17° 3	14° 9	F 8
S 9	7 34 22	24°29'10	23°44	0♑12	23°11	25°49	25°53	26°59	4°14	12°29	14°33	24° 2	25°33	17°10	14°15	S 9
S 10	7 38 19	25°30'09	9♒ 1	0°52	24°25	26°34	25°52	27° 5	4°18	12°28	14°34	23°54	25°30	17°16	14°20	S 10
M11	7 42 15	26°31'07	24° 3	1°37	25°39	27°19	25°51	27°12	4°21	12°26	14°35	23°48	25°27	17°23	14°25	M11
T 12	7 46 12	27°32'04	8♓43	2°26	26°53	28° 4	25°51	27°18	4°25	12°25	14°36	23°45	25°24	17°30	14°31	T 12
W13	7 50 9	28°33'00	22°55	3°19	28° 7	28°49	25°50	27°25	4°28	12°24	14°37	23°D44	25°21	17°37	14°36	W13
T 14	7 54 5	29°33'54	6♈38	4°15	29°21	29°34	25°50	27°31	4°32	12°23	14°38	23°44	25°17	17°43	14°42	T 14
F 15	7 58 2	0♒34'47	19°54	5°14	0♑35	0♑19	25°D50	27°37	4°35	12°22	14°40	23°45	25°14	17°50	14°47	F 15
S 16	8 1 58	1°35'38	2♉45	6°15	1°49	1° 4	25°50	27°44	4°39	12°21	14°41	23°R46	25°11	17°57	14°52	S 16
S 17	8 5 55	2°36'28	15°17	7°20	3° 3	1°49	25°50	27°50	4°42	12°20	14°42	23°45	25° 8	18° 3	14°58	S 17
M18	8 9 51	3°37'16	27°32	8°26	4°17	2°34	25°51	27°56	4°46	12°19	14°43	23°42	25° 5	18°10	15° 3	M18
T 19	8 13 48	4°38'03	9♊37	9°35	5°32	3°19	25°52	28° 2	4°49	12°18	14°44	23°36	25° 1	18°17	15° 8	T 19
W20	8 17 44	5°38'48	21°34	10°46	6°46	4° 4	25°53	28° 9	4°53	12°17	14°46	23°29	24°58	18°24	15°13	W20
T 21	8 21 41	6°39'32	3♋27	11°58	8° 0	4°50	25°54	28°15	4°56	12°17	14°47	23°20	24°55	18°30	15°19	T 21
F 22	8 25 38	7°40'14	15°19	13°12	9°14	5°35	25°55	28°21	5° 0	12°16	14°48	23°11	24°52	18°37	15°24	F 22
S 23	8 29 34	8°40'55	27°11	14°28	10°28	6°20	25°57	28°27	5° 3	12°15	14°49	23° 2	24°49	18°44	15°29	S 23
S 24	8 33 31	9°41'34	9♌ 5	15°45	11°42	7° 5	25°58	28°33	5° 7	12°14	14°51	22°54	24°46	18°50	15°34	S 24
M25	8 37 27	10°42'12	21° 3	17° 4	12°57	7°51	26° 0	28°38	5°10	12°14	14°52	22°48	24°42	18°57	15°39	M25
T 26	8 41 24	11°42'48	3♍ 6	18°24	14°11	8°36	26° 2	28°44	5°14	12°13	14°53	22°44	24°39	19° 4	15°44	T 26
W27	8 45 20	12°43'23	15°16	19°46	15°25	9°22	26° 5	28°50	5°17	12°12	14°54	22°42	24°36	19°11	15°50	W27
T 28	8 49 17	13°43'56	27°35	21° 8	16°39	10° 7	26° 7	28°56	5°20	12°12	14°56	22°D41	24°33	19°17	15°55	T 28
F 29	8 53 13	14°44'28	10♎ 7	22°32	17°53	10°52	26°10	29° 1	5°24	12°11	14°57	22°43	24°30	19°24	16° 0	F 29
S 30	8 57 10	15°44'58	22°53	23°57	19° 8	11°38	26°13	29° 7	5°27	12°10	14°58	22°44	24°27	19°31	16° 5	S 30
S 31	9 1 7	16♒45'27	5♏57	25♑24	20♑22	12♑23	26♉16	29♐13	5♒31	12♊10	15♓ 0	22♓46	24♓23	19♋37	16♑10	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s33	0s42	0s31	20s20	3n13	21s15	1n17	23s35	0s25	18n43	0s42	22s40	0n51	20s 0	0s36	21n 1	1s25	20s39	15s47	2s 7	1s36	27n21	17s10	5n44
S 2	22 26	6 45	1 37	20 27	3 6	21 26	1 14	23 39	0 25	18 42	0 42	22 40	0 51	19 59	0 36	21 1	1 25	20 39	15 47	2 7	1 38	27 20	17 9	5 44
S 3	22 18	12 41	2 40	20 35	2 58	21 37	1 11	23 43	0 26	18 42	0 41	22 40	0 51	19 58	0 36	21 1	1 25	20 38	15 47	2 7	1 39	27 19	17 8	5 45
M 4	22 9	18 15	3 36	20 43	2 50	21 47	1 9	23 46	0 27	18 42	0 41	22 40	0 51	19 57	0 36	21 1	1 25	20 38	15 47	2 7	1 40	27 18	17 8	5 45
T 5	22 0	23 2	4 21	20 53	2 41	21 57	1 6	23 49	0 27	18 41	0 41	22 40	0 50	19 56	0 36	21 1	1 25	20 37	15 46	2 9	1 41	27 17	17 7	5 45
W 6	21 51	26 36	4 52	21 2	2 31	22 6	1 3	23 52	0 28	18 41	0 41	22 41	0 50	19 56	0 36	21 1	1 25	20 36	15 46	2 12	1 43	27 16	17 6	5 45
T 7	21 41	28 26	5 3	21 12	2 21	22 14	1 0	23 55	0 29	18 41	0 40	22 41	0 50	19 55	0 36	21 1	1 25	20 36	15 46	2 15	1 44	27 14	17 6	5 45
F 8	21 31	28 11	4 54	21 23	2 11	22 21	0 58	23 58	0 30	18 41	0 40	22 41	0 50	19 54	0 36	21 1	1 25	20 35	15 46	2 19	1 45	27 13	17 5	5 45
S 9	21 20	25 48	4 24	21 33	2 1	22 28	0 55	24 0	0 30	18 41	0 40	22 41	0 50	19 53	0 36	21 0	1 25	20 34	15 45	2 23	1 47	27 12	17 5	5 45
S 10	21 9	21 33	3 35	21 43	1 50	22 35	0 52	24 2	0 31	18 41	0 40	22 41	0 50	19 52	0 36	21 0	1 25	20 34	15 45	2 26	1 48	27 11	17 4	5 45
M11	20 57	15 57	2 32	21 53	1 40	22 40	0 49	24 4	0 32	18 41	0 39	22 42	0 50	19 51	0 36	21 0	1 25	20 33	15 45	2 28	1 49	27 9	17 3	5 45
T 12	20 46	9 34	1 20	22 3	1 29	22 45	0 46	24 5	0 32	18 41	0 39	22 42	0 50	19 51	0 36	21 0	1 25	20 32	15 45	2 30	1 50	27 8	17 2	5 45
W13	20 33	2 54	0 4	22 12	1 19	22 50	0 43	24 6	0 33	18 41	0 39	22 42	0 50	19 50	0 36	21 0	1 25	20 32	15 44	2 30	1 52	27 7	17 2	5 46
T 14	20 21	3n42	1n 9	22 21	1 9	22 53	0 40	24 7	0 34	18 41	0 39	22 42	0 50	19 49	0 36	21 0	1 24	20 31	15 44	2 30	1 53	27 6	17 1	5 46
F 15	20 8	9 55	2 16	22 29	0 59	22 56	0 37	24 8	0 34	18 42	0 38	22 42	0 50	19 48	0 36	21 0	1 24	20 30	15 44	2 30	1 54	27 5	17 0	5 46
S 16	19 54	15 31	3 14	22 36	0 49	22 58	0 35	24 8	0 35	18 42	0 38	22 42	0 50	19 47	0 36	21 0	1 24	20 30	15 44	2 29	1 55	27 3	17 0	5 46
S 17	19 41	20 20	4 1	22 43	0 39	23 0	0 32	24 9	0 36	18 42	0 38	22 43	0 50	19 46	0 36	21 0	1 24	20 29	15 43	2 30	1 57	27 2	16 59	5 46
M18	19 27	24 11	4 36	22 48	0 29	23 1	0 29	24 9	0 36	18 42	0 38	22 43	0 50	19 46	0 36	21 0	1 24	20 28	15 43	2 31	1 58	27 1	16 58	5 46
T 19	19 12	26 55	4 58	22 53	0 20	23 1	0 26	24 8	0 37	18 43	0 37	22 43	0 50	19 45	0 36	21 0	1 24	20 28	15 43	2 33	1 59	26 59	16 57	5 47
W20	18 57	28 24	5 7	22 57	0 10	23 0	0 23	24 8	0 38	18 43	0 37	22 43	0 50	19 44	0 36	20 59	1 24	20 27	15 43	2 36	2 0	26 58	16 57	5 47
T 21	18 42	28 33	5 2	23 0	0 1	22 59	0 20	24 7	0 38	18 44	0 37	22 43	0 50	19 43	0 36	20 59	1 24	20 26	15 43	2 39	2 2	26 57	16 56	5 47
F 22	18 27	27 23	4 45	23 1	0s 7	22 57	0 17	24 6	0 39	18 44	0 37	22 43	0 50	19 42	0 36	20 59	1 24	20 26	15 42	2 43	2 3	26 56	16 55	5 47
S 23	18 11	25 0	4 15	23 2	0 16	22 55	0 14	24 4	0 40	18 45	0 36	22 43	0 50	19 41	0 36	20 59	1 24	20 25	15 42	2 47	2 4	26 54	16 54	5 47
S 24	17 55	21 31	3 34	23 1	0 24	22 51	0 11	24 3	0 41	18 46	0 36	22 43	0 50	19 40	0 36	20 59	1 24	20 24	15 42	2 50	2 6	26 53	16 54	5 47
M25	17 38	17 7	2 43	23 0	0 32	22 47	0 8	24 1	0 41	18 46	0 36	22 43	0 50	19 40	0 36	20 59	1 24	20 24	15 42	2 52	2 7	26 52	16 53	5 48
T 26	17 22	12 2	1 44	22 57	0 40	22 43	0 6	23 59	0 42	18 47	0 36	22 43	0 50	19 39	0 36	20 59	1 24	20 23	15 42	2 54	2 8	26 50	16 52	5 48
W27	17 5	6 27	0 40	22 53	0 47	22 37	0 3	23 56	0 43	18 48	0 35	22 43	0 50	19 38	0 36	20 59	1 24	20 22	15 41	2 55	2 9	26 49	16 51	5 48
T 28	16 47	0 33	0s27	22 47	0 54	22 31	0s 0	23 54	0 43	18 49	0 35	22 44	0 50	19 37	0 36	20 59	1 24	20 22	15 41	2 55	2 11	26 48	16 50	5 48
F 29	16 30	5s27	1 33	22 40	1 1	22 24	0 3	23 51	0 44	18 50	0 35	22 44	0 50	19 36	0 36	20 59	1 24	20 21	15 41	2 54	2 12	26 46	16 50	5 49
S 30	16 12	11 22	2 37	22 32	1 8	22 17	0 6	23 47	0 45	18 50	0 35	22 44	0 50	19 35	0 36	20 59	1 24	20 20	15 41	2 54	2 13	26 45	16 49	5 49
S 31	15s54	16s56	3s34	22s23	1s14	22s 9	0s 8	23s44	0s45	18n51	0s35	22s44	0n50	19s35	0s36	20n59	1s24	20s20	15s41	2s53	2s14	26n43	16s48	5n49

Julian Day Number = 2114066.5, Delta T = 19m04s
Ecliptic obliquity = 23°33'41, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°51'35, Lahiri = 10°58'35 Julian Calendar 1 Jan. 1076 == Greg. Calendar 7 Jan. 1076

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1076
geocentric

FEBRUARY 1076 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 5 3	17♒45'55	19♏23	26♑51	21♑36	13♑ 9	26♉19	29♐18	5♒34	12°R 9	15♓ 1	22°R46	24♓20	19♋44	16♑14	M 1
T 2	9 9 0	18°46'22	3♐12	28°19	22°50	13°55	26°23	29°23	5°38	12♊ 9	15° 3	22♓45	24°17	19°51	16°19	T 2
W 3	9 12 56	19°46'47	17°25	29°49	24° 5	14°40	26°27	29°29	5°41	12° 8	15° 4	22°43	24°14	19°58	16°24	W 3
T 4	9 16 53	20°47'11	2♑ 0	1♒19	25°19	15°26	26°30	29°34	5°45	12° 8	15° 5	22°39	24°11	20° 4	16°29	T 4
F 5	9 20 49	21°47'33	16°53	2°51	26°33	16°12	26°34	29°39	5°48	12° 8	15° 7	22°35	24° 7	20°11	16°34	F 5
S 6	9 24 46	22°47'54	1♒56	4°23	27°47	16°57	26°39	29°45	5°51	12° 7	15° 8	22°30	24° 4	20°18	16°38	S 6
S 7	9 28 43	23°48'13	17° 1	5°57	29° 2	17°43	26°43	29°50	5°55	12° 7	15°10	22°26	24° 1	20°24	16°43	S 7
M 8	9 32 39	24°48'30	1♓57	7°31	0♒16	18°29	26°48	29°55	5°58	12° 7	15°11	22°24	23°58	20°31	16°48	M 8
T 9	9 36 36	25°48'46	16°38	9° 7	1°30	19°14	26°52	29°59	6° 1	12° 6	15°13	22°D22	23°55	20°38	16°52	T 9
W10	9 40 32	26°48'59	0♈55	10°43	2°44	20° 0	26°57	0♑ 5	6° 5	12° 6	15°14	22°22	23°52	20°44	16°57	W10
T 11	9 44 29	27°49'10	14°47	12°21	3°58	20°46	27° 2	0° 9	6° 8	12° 6	15°15	22°24	23°48	20°51	17° 1	T 11
F 12	9 48 25	28°49'20	28°11	14° 0	5°13	21°32	27° 8	0°14	6°11	12° 6	15°17	22°25	23°45	20°58	17° 6	F 12
S 13	9 52 22	29°49'27	11♉11	15°40	6°27	22°18	27°13	0°19	6°15	12° 6	15°18	22°27	23°42	21° 5	17°10	S 13
S 14	9 56 18	0♓49'32	23°48	17°20	7°41	23° 4	27°19	0°24	6°18	12° 6	15°20	22°28	23°39	21°11	17°15	S 14
M15	10 0 15	1°49'34	6♊ 7	19° 2	8°55	23°49	27°25	0°28	6°21	12° 6	15°21	22°R28	23°36	21°18	17°19	M15
T 16	10 4 11	2°49'35	18°13	20°45	10°10	24°35	27°31	0°33	6°24	12°D 6	15°23	22°27	23°32	21°25	17°23	T 16
W17	10 8 8	3°49'34	0♋ 9	22°29	11°24	25°21	27°37	0°37	6°28	12° 6	15°24	22°25	23°29	21°31	17°28	W17
T 18	10 12 5	4°49'30	12° 1	24°15	12°38	26° 7	27°43	0°41	6°31	12° 6	15°26	22°23	23°26	21°38	17°32	T 18
F 19	10 16 1	5°49'24	23°52	26° 1	13°52	26°53	27°49	0°46	6°34	12° 6	15°27	22°20	23°23	21°45	17°36	F 19
S 20	10 19 58	6°49'16	5♌45	27°49	15° 6	27°39	27°56	0°50	6°37	12° 6	15°29	22°17	23°20	21°52	17°40	S 20
S 21	10 23 54	7°49'06	17°43	29°37	16°21	28°25	28° 3	0°54	6°40	12° 6	15°30	22°15	23°17	21°58	17°44	S 21
M22	10 27 51	8°48'53	29°49	1♓27	17°35	29°11	28°10	0°58	6°43	12° 6	15°32	22°14	23°13	22° 5	17°48	M22
T 23	10 31 47	9°48'39	12♍ 3	3°18	18°49	29°57	28°17	1° 2	6°46	12° 6	15°33	22°13	23°10	22°12	17°52	T 23
W24	10 35 44	10°48'22	24°28	5°10	20° 3	0♒43	28°24	1° 6	6°49	12° 7	15°35	22°D12	23° 7	22°18	17°56	W24
T 25	10 39 40	11°48'04	7♎ 5	7° 4	21°17	1°29	28°31	1°10	6°52	12° 7	15°36	22°13	23° 4	22°25	18° 0	T 25
F 26	10 43 37	12°47'43	19°54	8°58	22°32	2°15	28°39	1°13	6°55	12° 7	15°38	22°14	23° 1	22°32	18° 4	F 26
S 27	10 47 34	13°47'21	2♏57	10°54	23°46	3° 1	28°46	1°17	6°58	12° 8	15°39	22°14	22°58	22°38	18° 7	S 27
S 28	10 51 30	14°46'57	16°14	12°51	25° 0	3°47	28°54	1°20	7° 1	12° 8	15°41	22°15	22°54	22°45	18°11	S 28
M29	10 55 27	15♓46'31	29♏46	14♓48	26♒14	4♒33	29♉ 2	1♑24	7♒ 4	12♊ 9	15♓43	22♓16	22♓51	22♋52	18♑15	M29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	15s35	21s51	4s21	22s12	1s20	22s 0	0s11	23s40	0s46	18n52	0s34	22s44	0n50	19s34	0s36	20n59	1s24	20s19	15s41	2s53	2s16	26n42	16s47	5n49
T 2	15 16	25 43	4 54	22 0	1 26	21 51	0 14	23 36	0 47	18 53	0 34	22 44	0 50	19 33	0 36	20 59	1 24	20 18	15 40	2 53	2 17	26 41	16 46	5 50
W 3	14 58	28 7	5 11	21 47	1 31	21 41	0 17	23 32	0 47	18 55	0 34	22 44	0 50	19 32	0 36	20 59	1 23	20 17	15 40	2 54	2 18	26 39	16 46	5 50
T 4	14 38	28 41	5 8	21 32	1 36	21 30	0 19	23 27	0 48	18 56	0 34	22 44	0 50	19 31	0 36	20 59	1 23	20 17	15 40	2 56	2 19	26 38	16 45	5 50
F 5	14 19	27 12	4 45	21 16	1 41	21 19	0 22	23 23	0 49	18 57	0 33	22 44	0 50	19 30	0 36	20 59	1 23	20 16	15 40	2 58	2 21	26 36	16 44	5 50
S 6	13 59	23 45	4 2	20 58	1 45	21 7	0 24	23 18	0 49	18 58	0 33	22 44	0 50	19 30	0 36	20 59	1 23	20 15	15 40	2 59	2 22	26 35	16 43	5 51
S 7	13 39	18 42	3 2	20 39	1 49	20 54	0 27	23 12	0 50	18 59	0 33	22 44	0 50	19 29	0 36	20 59	1 23	20 15	15 40	3 1	2 23	26 34	16 42	5 51
M 8	13 19	12 32	1 50	20 18	1 53	20 41	0 30	23 7	0 51	19 1	0 33	22 44	0 50	19 28	0 37	20 59	1 23	20 14	15 40	3 2	2 25	26 32	16 41	5 51
T 9	12 59	5 47	0 31	19 56	1 56	20 27	0 32	23 1	0 51	19 2	0 33	22 44	0 50	19 27	0 37	20 59	1 23	20 13	15 40	3 3	2 26	26 31	16 40	5 52
W10	12 38	1n 5	0n47	19 33	1 59	20 12	0 34	22 55	0 52	19 3	0 32	22 44	0 50	19 26	0 37	20 59	1 23	20 13	15 40	3 2	2 27	26 29	16 40	5 52
T 11	12 18	7 42	2 0	19 8	2 2	19 57	0 37	22 49	0 53	19 5	0 32	22 44	0 50	19 25	0 37	20 59	1 23	20 12	15 39	3 2	2 28	26 28	16 39	5 52
F 12	11 57	13 45	3 4	18 41	2 4	19 42	0 39	22 42	0 53	19 6	0 32	22 44	0 50	19 25	0 37	20 59	1 23	20 11	15 39	3 1	2 30	26 26	16 38	5 53
S 13	11 35	19 1	3 57	18 13	2 6	19 26	0 42	22 36	0 54	19 7	0 32	22 44	0 50	19 24	0 37	20 59	1 23	20 11	15 39	3 1	2 31	26 25	16 37	5 53
S 14	11 14	23 17	4 37	17 44	2 7	19 9	0 44	22 29	0 55	19 9	0 31	22 44	0 50	19 23	0 37	20 59	1 23	20 10	15 39	3 0	2 32	26 23	16 36	5 53
M15	10 53	26 24	5 2	17 13	2 8	18 52	0 46	22 21	0 55	19 11	0 31	22 44	0 50	19 22	0 37	20 59	1 23	20 9	15 39	3 0	2 33	26 22	16 35	5 54
T 16	10 31	28 15	5 14	16 41	2 9	18 34	0 48	22 14	0 56	19 12	0 31	22 44	0 50	19 21	0 37	20 59	1 23	20 9	15 39	3 1	2 35	26 20	16 34	5 54
W17	10 9	28 46	5 12	16 7	2 9	18 15	0 50	22 6	0 57	19 14	0 31	22 44	0 50	19 21	0 37	20 59	1 23	20 8	15 39	3 1	2 36	26 19	16 34	5 54
T 18	9 47	27 56	4 57	15 31	2 8	17 57	0 53	21 58	0 57	19 15	0 31	22 44	0 50	19 20	0 37	20 59	1 23	20 8	15 39	3 2	2 37	26 17	16 33	5 55
F 19	9 25	25 51	4 29	14 54	2 7	17 37	0 55	21 50	0 58	19 17	0 30	22 44	0 50	19 19	0 37	21 0	1 23	20 7	15 39	3 3	2 38	26 16	16 32	5 55
S 20	9 3	22 38	3 49	14 16	2 6	17 17	0 57	21 42	0 58	19 19	0 30	22 44	0 50	19 18	0 37	21 0	1 23	20 6	15 39	3 4	2 40	26 14	16 31	5 55
S 21	8 41	18 27	2 59	13 36	2 4	16 57	0 59	21 33	0 59	19 20	0 30	22 44	0 50	19 18	0 37	21 0	1 23	20 6	15 39	3 5	2 41	26 13	16 30	5 56
M22	8 18	13 29	2 1	12 55	2 2	16 36	1 0	21 24	1 0	19 22	0 30	22 44	0 50	19 17	0 37	21 0	1 22	20 5	15 39	3 6	2 42	26 11	16 29	5 56
T 23	7 56	7 56	0 56	12 12	1 59	16 15	1 2	21 15	1 0	19 24	0 30	22 44	0 50	19 16	0 37	21 0	1 22	20 4	15 39	3 6	2 43	26 10	16 28	5 56
W24	7 33	2 1	0s13	11 28	1 56	15 53	1 4	21 5	1 1	19 26	0 29	22 44	0 50	19 15	0 37	21 0	1 22	20 4	15 39	3 6	2 45	26 8	16 27	5 57
T 25	7 10	4s 4	1 21	10 42	1 52	15 31	1 6	20 56	1 2	19 27	0 29	22 44	0 50	19 15	0 37	21 0	1 22	20 3	15 39	3 6	2 46	26 7	16 27	5 57
F 26	6 47	10 6	2 27	9 55	1 48	15 8	1 7	20 46	1 2	19 29	0 29	22 44	0 50	19 14	0 37	21 0	1 22	20 3	15 39	3 6	2 47	26 5	16 26	5 58
S 27	6 24	15 48	3 27	9 6	1 43	14 45	1 9	20 36	1 3	19 31	0 29	22 44	0 50	19 13	0 37	21 0	1 22	20 2	15 39	3 6	2 49	26 4	16 25	5 58
S 28	6 1	20 52	4 17	8 16	1 37	14 22	1 11	20 26	1 3	19 33	0 29	22 44	0 50	19 12	0 37	21 0	1 22	20 1	15 39	3 5	2 50	26 2	16 24	5 58
M29	5s38	24s58	4s53	7s25	1s31	13s58	1s12	20s15	1s 4	19n35	0s28	22s43	0n50	19s12	0s37	21n 0	1s22	20s 1	15s39	3s 5	2s51	26n 0	16s23	5n59

Julian Day Number = 2114097.5, Delta T = 19m03s
Ecliptic obliquity = 23°33'42, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°51'39, Lahiri = 10°58'40 Julian Calendar 1 Feb. 1076 == Greg. Calendar 7 Feb. 1076

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1076
geocentric

MARCH 1076 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 59 23	16♓46'03	13♐35	16♓47	27♒28	5♒19	29♉10	1♑27	7♒ 7	12♊ 9	15♓44	22°R16	22♓48	22♋59	18♑18	T 1
W 2	11 3 20	17°45'34	27°39	18°47	28°42	6° 5	29°18	1°30	7°10	12°10	15°46	22♓16	22°45	23° 5	18°22	W 2
T 3	11 7 16	18°45'03	11♑57	20°47	29°57	6°52	29°26	1°34	7°13	12°10	15°47	22°16	22°42	23°12	18°25	T 3
F 4	11 11 13	19°44'30	26°26	22°48	1♓11	7°38	29°35	1°37	7°16	12°11	15°49	22°15	22°38	23°19	18°28	F 4
S 5	11 15 9	20°43'56	11♒ 3	24°50	2°25	8°24	29°43	1°40	7°18	12°11	15°50	22°15	22°35	23°25	18°32	S 5
S 6	11 19 6	21°43'19	25°42	26°52	3°39	9°10	29°52	1°43	7°21	12°12	15°52	22°15	22°32	23°32	18°35	S 6
M 7	11 23 3	22°42'40	10♓17	28°54	4°53	9°56	0♊ 1	1°46	7°24	12°13	15°53	22°D15	22°29	23°39	18°38	M 7
T 8	11 26 59	23°42'00	24°41	0♈56	6° 7	10°42	0°10	1°48	7°26	12°13	15°55	22°R15	22°26	23°46	18°41	T 8
W 9	11 30 56	24°41'17	8♈49	2°58	7°22	11°29	0°19	1°51	7°29	12°14	15°56	22°15	22°23	23°52	18°44	W 9
T 10	11 34 52	25°40'32	22°37	4°59	8°36	12°15	0°28	1°54	7°32	12°15	15°58	22°15	22°19	23°59	18°47	T 10
F 11	11 38 49	26°39'45	6♉ 3	6°59	9°50	13° 1	0°37	1°56	7°34	12°16	15°59	22°14	22°16	24° 6	18°50	F 11
S 12	11 42 45	27°38'55	19° 6	8°58	11° 4	13°47	0°47	1°58	7°37	12°16	16° 1	22°14	22°13	24°12	18°53	S 12
S 13	11 46 42	28°38'04	1♊47	10°55	12°18	14°33	0°56	2° 1	7°39	12°17	16° 2	22°13	22°10	24°19	18°56	S 13
M14	11 50 38	29°37'10	14°11	12°49	13°32	15°19	1° 6	2° 3	7°42	12°18	16° 4	22°12	22° 7	24°26	18°59	M14
T 15	11 54 35	0♈36'13	26°19	14°42	14°46	16° 5	1°16	2° 5	7°44	12°19	16° 5	22°D12	22° 4	24°32	19° 1	T 15
W16	11 58 32	1°35'15	8♋17	16°31	16° 0	16°52	1°26	2° 7	7°47	12°20	16° 7	22°12	22° 0	24°39	19° 4	W16
T 17	12 2 28	2°34'14	20°10	18°18	17°14	17°38	1°36	2° 9	7°49	12°21	16° 8	22°13	21°57	24°46	19° 7	T 17
F 18	12 6 25	3°33'11	2♌ 1	20° 0	18°28	18°24	1°46	2°11	7°51	12°22	16°10	22°13	21°54	24°53	19° 9	F 18
S 19	12 10 21	4°32'05	13°56	21°39	19°42	19°10	1°56	2°12	7°54	12°23	16°11	22°15	21°51	24°59	19°11	S 19
S 20	12 14 18	5°30'57	25°58	23°13	20°56	19°56	2° 6	2°14	7°56	12°24	16°13	22°16	21°48	25° 6	19°14	S 20
M21	12 18 14	6°29'47	8♍11	24°43	22°10	20°42	2°17	2°16	7°58	12°25	16°14	22°17	21°44	25°13	19°16	M21
T 22	12 22 11	7°28'34	20°37	26° 9	23°24	21°29	2°27	2°17	8° 0	12°26	16°15	22°R17	21°41	25°19	19°18	T 22
W23	12 26 7	8°27'20	3♎18	27°29	24°38	22°15	2°38	2°18	8° 2	12°28	16°17	22°17	21°38	25°26	19°20	W23
T 24	12 30 4	9°26'03	16°15	28°44	25°52	23° 1	2°48	2°20	8° 4	12°29	16°18	22°16	21°35	25°33	19°22	T 24
F 25	12 34 0	10°24'45	29°28	29°54	27° 6	23°47	2°59	2°21	8° 7	12°30	16°20	22°14	21°32	25°39	19°24	F 25
S 26	12 37 57	11°23'25	12♏55	0♉58	28°20	24°33	3°10	2°22	8° 9	12°31	16°21	22°11	21°29	25°46	19°26	S 26
S 27	12 41 54	12°22'02	26°35	1°56	29°34	25°19	3°21	2°23	8°11	12°33	16°23	22° 8	21°25	25°53	19°28	S 27
M28	12 45 50	13°20'39	10♐26	2°49	0♈48	26° 5	3°32	2°24	8°12	12°34	16°24	22° 6	21°22	26° 0	19°30	M28
T 29	12 49 47	14°19'13	24°27	3°36	2° 2	26°51	3°43	2°24	8°14	12°35	16°25	22° 4	21°19	26° 6	19°32	T 29
W30	12 53 43	15°17'46	8♑33	4°18	3°16	27°37	3°54	2°25	8°16	12°37	16°27	22° 3	21°16	26°13	19°33	W30
T 31	12 57 40	16♈16'17	22♑45	4♉53	4♈30	28♒24	4♊ 6	2♑26	8♒18	12♊38	16♓28	22°D 3	21♓13	26♋20	19♑35	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s15	27s44	5s13	6s33	1s25	13s34	1s14	20s 5	1s 5	19n37	0s28	22s43	0n50	19s11	0s37	21n 1	1s22	20s 0	15s39	3s 5	2s52	25n59	16s22	5n59
W 2	4 52	28 48	5 16	5 39	1 18	13 9	1 15	19 54	1 5	19 39	0 28	22 43	0 50	19 10	0 37	21 1	1 22	20 0	15 39	3 5	2 54	25 57	16 21	6 0
T 3	4 28	27 59	4 59	4 45	1 10	12 44	1 16	19 43	1 6	19 41	0 28	22 43	0 50	19 10	0 37	21 1	1 22	19 59	15 39	3 5	2 55	25 56	16 20	6 0
F 4	4 5	25 16	4 23	3 49	1 2	12 19	1 17	19 32	1 6	19 43	0 28	22 43	0 50	19 9	0 37	21 1	1 22	19 58	15 39	3 5	2 56	25 54	16 20	6 0
S 5	3 41	20 54	3 29	2 53	0 53	11 53	1 19	19 20	1 7	19 45	0 27	22 43	0 50	19 8	0 37	21 1	1 22	19 58	15 39	3 5	2 57	25 52	16 19	6 1
S 6	3 18	15 15	2 22	1 55	0 44	11 27	1 20	19 8	1 8	19 47	0 27	22 43	0 50	19 7	0 37	21 1	1 22	19 57	15 39	3 5	2 59	25 51	16 18	6 1
M 7	2 54	8 46	1 6	0 58	0 34	11 1	1 21	18 57	1 8	19 49	0 27	22 43	0 50	19 7	0 37	21 1	1 22	19 57	15 39	3 5	3 0	25 49	16 17	6 2
T 8	2 31	1 55	0n13	0n 0	0 24	10 35	1 22	18 44	1 9	19 51	0 27	22 43	0 50	19 6	0 37	21 2	1 22	19 56	15 39	3 5	3 1	25 47	16 16	6 2
W 9	2 7	4n54	1 31	0 59	0 13	10 8	1 23	18 32	1 9	19 53	0 27	22 43	0 50	19 5	0 37	21 2	1 22	19 56	15 39	3 5	3 2	25 46	16 15	6 3
T 10	1 44	11 19	2 41	1 57	0 3	9 41	1 24	18 20	1 10	19 55	0 27	22 43	0 50	19 5	0 37	21 2	1 22	19 55	15 39	3 6	3 4	25 44	16 14	6 3
F 11	1 20	17 3	3 40	2 55	0n 9	9 13	1 24	18 7	1 10	19 57	0 26	22 43	0 50	19 4	0 37	21 2	1 21	19 55	15 39	3 6	3 5	25 42	16 14	6 4
S 12	0 56	21 50	4 26	3 53	0 20	8 46	1 25	17 54	1 11	19 59	0 26	22 43	0 50	19 4	0 37	21 2	1 21	19 54	15 39	3 6	3 6	25 41	16 13	6 4
S 13	0 33	25 28	4 57	4 50	0 32	8 18	1 26	17 41	1 11	20 2	0 26	22 43	0 50	19 3	0 37	21 2	1 21	19 53	15 39	3 6	3 7	25 39	16 12	6 5
M14	0 9	27 49	5 14	5 46	0 44	7 50	1 26	17 28	1 12	20 4	0 26	22 43	0 50	19 2	0 37	21 2	1 21	19 53	15 39	3 6	3 9	25 37	16 11	6 5
T 15	0n14	28 46	5 16	6 40	0 56	7 22	1 27	17 15	1 13	20 6	0 26	22 43	0 50	19 2	0 37	21 3	1 21	19 52	15 40	3 7	3 10	25 36	16 10	6 5
W16	0 38	28 22	5 4	7 34	1 7	6 53	1 27	17 1	1 13	20 8	0 26	22 43	0 50	19 1	0 37	21 3	1 21	19 52	15 40	3 7	3 11	25 34	16 9	6 6
T 17	1 2	26 39	4 40	8 25	1 19	6 25	1 28	16 48	1 14	20 10	0 25	22 43	0 50	19 1	0 37	21 3	1 21	19 51	15 40	3 6	3 12	25 32	16 9	6 6
F 18	1 25	23 46	4 4	9 15	1 30	5 56	1 28	16 34	1 14	20 13	0 25	22 43	0 50	19 0	0 37	21 3	1 21	19 51	15 40	3 6	3 14	25 31	16 8	6 7
S 19	1 49	19 52	3 17	10 3	1 41	5 27	1 28	16 20	1 15	20 15	0 25	22 43	0 50	18 59	0 37	21 3	1 21	19 51	15 40	3 6	3 15	25 29	16 7	6 7
S 20	2 12	15 8	2 21	10 48	1 52	4 58	1 29	16 6	1 15	20 17	0 25	22 43	0 50	18 59	0 37	21 4	1 21	19 50	15 40	3 5	3 16	25 27	16 6	6 8
M21	2 36	9 44	1 17	11 31	2 2	4 29	1 29	15 52	1 16	20 19	0 25	22 43	0 50	18 58	0 37	21 4	1 21	19 50	15 40	3 5	3 18	25 25	16 5	6 8
T 22	2 59	3 53	0 9	12 11	2 12	3 59	1 29	15 37	1 16	20 21	0 25	22 43	0 50	18 58	0 38	21 4	1 21	19 49	15 40	3 5	3 19	25 24	16 5	6 9
W23	3 22	2s15	1s 0	12 49	2 20	3 30	1 29	15 23	1 17	20 24	0 24	22 43	0 50	18 57	0 38	21 4	1 21	19 49	15 41	3 5	3 20	25 22	16 4	6 9
T 24	3 45	8 24	2 8	13 24	2 29	3 0	1 29	15 8	1 17	20 26	0 24	22 43	0 50	18 57	0 38	21 4	1 21	19 48	15 41	3 5	3 21	25 20	16 3	6 10
F 25	4 9	14 19	3 11	13 55	2 36	2 31	1 29	14 53	1 18	20 28	0 24	22 43	0 50	18 56	0 38	21 5	1 21	19 48	15 41	3 6	3 23	25 18	16 2	6 10
S 26	4 32	19 40	4 4	14 24	2 43	2 1	1 28	14 38	1 18	20 30	0 24	22 42	0 50	18 56	0 38	21 5	1 21	19 47	15 41	3 7	3 24	25 17	16 2	6 11
S 27	4 55	24 5	4 44	14 50	2 48	1 31	1 28	14 23	1 19	20 33	0 24	22 42	0 50	18 55	0 38	21 5	1 21	19 47	15 41	3 8	3 25	25 15	16 1	6 11
M28	5 18	27 12	5 8	15 13	2 53	1 1	1 28	14 8	1 19	20 35	0 24	22 42	0 50	18 55	0 38	21 5	1 21	19 47	15 41	3 9	3 26	25 13	16 0	6 12
T 29	5 40	28 41	5 14	15 33	2 56	0 31	1 28	13 52	1 20	20 37	0 23	22 42	0 50	18 54	0 38	21 5	1 21	19 46	15 41	3 10	3 28	25 11	15 59	6 12
W30	6 3	28 18	5 2	15 49	2 59	0 1	1 27	13 37	1 20	20 39	0 23	22 42	0 50	18 54	0 38	21 6	1 21	19 46	15 42	3 10	3 29	25 9	15 59	6 13
T 31	6n26	26s 5	4s31	16n 3	3n 0	0n29	1s27	13s21	1s20	20n42	0s23	22s42	0n50	18s53	0s38	21n 6	1s20	19s45	15s42	3s10	3s30	25n 8	15s58	6n13

Julian Day Number = 2114126.5, Delta T = 19m03s
Ecliptic obliquity = 23°33'42, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°51'43, Lahiri = 10°58'44 Julian Calendar 1 March 1076 == Greg. Calendar 7 March 1076

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1076
geocentric

APRIL 1076 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 1 36	17♈14'46	6♒58	5♉22	5♈44	29♒10	4♊17	2♑26	8♒20	12♊39	16♓29	22♓ 4	21♓10	26♋26	19♑36	F 1
S 2	13 5 33	18°13'14	21°12	5°45	6°58	29°56	4°28	2°26	8°21	12°41	16°31	22° 5	21° 6	26°33	19°38	S 2
S 3	13 9 30	19°11'40	5♓24	6° 3	8°12	0♓42	4°40	2°27	8°23	12°42	16°32	22° 6	21° 3	26°40	19°39	S 3
M 4	13 13 26	20°10'05	19°30	6°14	9°26	1°28	4°52	2°27	8°25	12°44	16°33	22°R 7	21° 0	26°46	19°40	M 4
T 5	13 17 23	21° 8'27	3♈28	6°20	10°40	2°14	5° 3	2°R27	8°26	12°45	16°35	22° 7	20°57	26°53	19°41	T 5
W 6	13 21 19	22° 6'48	17°15	6°R20	11°54	3° 0	5°15	2°27	8°28	12°47	16°36	22° 5	20°54	27° 0	19°42	W 6
T 7	13 25 16	23° 5'07	0♉47	6°15	13° 8	3°46	5°27	2°27	8°29	12°48	16°37	22° 1	20°50	27° 7	19°43	T 7
F 8	13 29 12	24° 3'25	14° 3	6° 4	14°22	4°32	5°39	2°26	8°31	12°50	16°38	21°57	20°47	27°13	19°44	F 8
S 9	13 33 9	25° 1'40	27° 0	5°48	15°36	5°18	5°51	2°26	8°32	12°52	16°40	21°51	20°44	27°20	19°45	S 9
S 10	13 37 5	25°59'53	9♊40	5°28	16°50	6° 4	6° 3	2°26	8°34	12°53	16°41	21°46	20°41	27°27	19°46	S 10
M11	13 41 2	26°58'05	22° 3	5° 4	18° 3	6°49	6°15	2°25	8°35	12°55	16°42	21°41	20°38	27°33	19°47	M11
T 12	13 44 58	27°56'15	4♋12	4°36	19°17	7°35	6°27	2°25	8°36	12°57	16°43	21°37	20°35	27°40	19°47	T 12
W13	13 48 55	28°54'22	16°11	4° 5	20°31	8°21	6°39	2°24	8°37	12°58	16°45	21°34	20°31	27°47	19°48	W13
T 14	13 52 52	29°52'28	28° 3	3°32	21°45	9° 7	6°52	2°23	8°39	13° 0	16°46	21°D33	20°28	27°53	19°48	T 14
F 15	13 56 48	0♉50'31	9♌55	2°56	22°59	9°53	7° 4	2°22	8°40	13° 2	16°47	21°33	20°25	28° 0	19°49	F 15
S 16	14 0 45	1°48'33	21°50	2°19	24°13	10°38	7°16	2°21	8°41	13° 3	16°48	21°35	20°22	28° 7	19°49	S 16
S 17	14 4 41	2°46'32	3♍54	1°42	25°27	11°24	7°29	2°20	8°42	13° 5	16°49	21°36	20°19	28°13	19°49	S 17
M18	14 8 38	3°44'30	16°11	1° 5	26°40	12°10	7°41	2°19	8°43	13° 7	16°50	21°R37	20°15	28°20	19°50	M18
T 19	14 12 34	4°42'26	28°45	0°28	27°54	12°56	7°54	2°18	8°44	13° 9	16°51	21°37	20°12	28°27	19°50	T 19
W20	14 16 31	5°40'20	11♎39	29♈53	29° 8	13°41	8° 6	2°16	8°44	13°11	16°53	21°35	20° 9	28°34	19°R50	W20
T 21	14 20 27	6°38'13	24°53	29°20	0♉22	14°27	8°19	2°15	8°45	13°13	16°54	21°32	20° 6	28°40	19°50	T 21
F 22	14 24 24	7°36'03	8♏29	28°49	1°36	15°12	8°32	2°13	8°46	13°14	16°55	21°26	20° 3	28°47	19°49	F 22
S 23	14 28 21	8°33'53	22°23	28°21	2°49	15°58	8°45	2°12	8°47	13°16	16°56	21°19	20° 0	28°54	19°49	S 23
S 24	14 32 17	9°31'41	6♐31	27°57	4° 3	16°43	8°57	2°10	8°48	13°18	16°57	21°11	19°56	29° 0	19°49	S 24
M25	14 36 14	10°29'28	20°48	27°36	5°17	17°29	9°10	2° 8	8°48	13°20	16°58	21° 4	19°53	29° 7	19°49	M25
T 26	14 40 10	11°27'13	5♑10	27°19	6°31	18°14	9°23	2° 6	8°49	13°22	16°59	20°58	19°50	29°14	19°48	T 26
W27	14 44 7	12°24'57	19°31	27° 6	7°44	19° 0	9°36	2° 4	8°49	13°24	17° 0	20°54	19°47	29°20	19°48	W27
T 28	14 48 3	13°22'41	3♒47	26°58	8°58	19°45	9°49	2° 2	8°50	13°26	17° 1	20°52	19°44	29°27	19°47	T 28
F 29	14 52 0	14°20'23	17°57	26°D54	10°12	20°31	10° 2	2° 0	8°50	13°28	17° 2	20°D51	19°41	29°34	19°46	F 29
S 30	14 55 56	15♉18'04	1♓58	26♈55	11♉26	21♓16	10♊15	1♑58	8♒51	13♊30	17♓ 2	20♓52	19♓37	29♋40	19♑46	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6n48	22s13	3s43	16n13	3n 1	0n59	1s26	13s 5	1s21	20n44	0s23	22s42	0n50	18s53	0s38	21n 6	1s20	19s45	15s42	3s10	3s31	25n 6	15s57	6n14
S 2	7 11	17 3	2 42	16 20	3 0	1 29	1 25	12 49	1 21	20 46	0 23	22 42	0 50	18 53	0 38	21 6	1 20	19 45	15 42	3 9	3 33	25 4	15 57	6 14
S 3	7 33	10 59	1 31	16 23	2 57	1 58	1 25	12 33	1 22	20 48	0 23	22 42	0 50	18 52	0 38	21 7	1 20	19 44	15 42	3 9	3 34	25 2	15 56	6 15
M 4	7 55	4 24	0 14	16 24	2 54	2 28	1 24	12 17	1 22	20 51	0 23	22 42	0 50	18 52	0 38	21 7	1 20	19 44	15 43	3 9	3 35	25 0	15 55	6 15
T 5	8 17	2n20	1n 2	16 21	2 49	2 58	1 23	12 1	1 22	20 53	0 22	22 42	0 50	18 51	0 38	21 7	1 20	19 44	15 43	3 9	3 36	24 59	15 54	6 16
W 6	8 39	8 51	2 13	16 15	2 43	3 28	1 22	11 45	1 23	20 55	0 22	22 42	0 50	18 51	0 38	21 7	1 20	19 43	15 43	3 9	3 38	24 57	15 54	6 16
T 7	9 1	14 52	3 16	16 7	2 35	3 58	1 21	11 28	1 23	20 57	0 22	22 42	0 50	18 51	0 38	21 7	1 20	19 43	15 43	3 11	3 39	24 55	15 53	6 17
F 8	9 23	20 3	4 6	15 55	2 26	4 28	1 20	11 12	1 24	21 0	0 22	22 42	0 50	18 50	0 38	21 8	1 20	19 43	15 43	3 13	3 40	24 53	15 52	6 17
S 9	9 44	24 10	4 43	15 40	2 16	4 57	1 19	10 55	1 24	21 2	0 22	22 42	0 50	18 50	0 38	21 8	1 20	19 43	15 44	3 15	3 41	24 51	15 52	6 18
S 10	10 5	27 2	5 4	15 23	2 5	5 27	1 18	10 39	1 24	21 4	0 22	22 42	0 50	18 50	0 38	21 8	1 20	19 42	15 44	3 17	3 43	24 49	15 51	6 18
M11	10 27	28 30	5 11	15 3	1 53	5 56	1 17	10 22	1 25	21 6	0 22	22 42	0 50	18 49	0 38	21 8	1 20	19 42	15 44	3 19	3 44	24 47	15 51	6 19
T 12	10 48	28 33	5 4	14 40	1 39	6 25	1 16	10 5	1 25	21 9	0 21	22 42	0 50	18 49	0 38	21 9	1 20	19 42	15 44	3 21	3 45	24 46	15 50	6 20
W13	11 8	27 15	4 43	14 16	1 25	6 54	1 14	9 48	1 25	21 11	0 21	22 42	0 50	18 49	0 38	21 9	1 20	19 41	15 45	3 22	3 46	24 44	15 49	6 20
T 14	11 29	24 45	4 10	13 50	1 9	7 23	1 13	9 31	1 26	21 13	0 21	22 42	0 50	18 49	0 38	21 9	1 20	19 41	15 45	3 22	3 48	24 42	15 49	6 21
F 15	11 50	21 11	3 27	13 23	0 53	7 52	1 12	9 14	1 26	21 15	0 21	22 42	0 50	18 48	0 38	21 9	1 20	19 41	15 45	3 22	3 49	24 40	15 48	6 21
S 16	12 10	16 44	2 35	12 55	0 37	8 21	1 10	8 57	1 26	21 18	0 21	22 42	0 50	18 48	0 38	21 10	1 20	19 41	15 45	3 21	3 50	24 38	15 48	6 22
S 17	12 30	11 36	1 35	12 26	0 20	8 49	1 9	8 40	1 27	21 20	0 21	22 42	0 50	18 48	0 38	21 10	1 20	19 41	15 46	3 21	3 51	24 36	15 47	6 22
M18	12 50	5 56	0 30	11 57	0 2	9 18	1 7	8 22	1 27	21 22	0 21	22 42	0 50	18 48	0 38	21 10	1 20	19 40	15 46	3 20	3 53	24 34	15 47	6 23
T 19	13 9	0s 5	0s38	11 28	0s15	9 46	1 6	8 5	1 27	21 24	0 20	22 43	0 50	18 47	0 38	21 11	1 20	19 40	15 46	3 20	3 54	24 32	15 46	6 23
W20	13 29	6 15	1 46	10 59	0 32	10 13	1 4	7 48	1 28	21 26	0 20	22 43	0 50	18 47	0 39	21 11	1 20	19 40	15 47	3 21	3 55	24 30	15 46	6 24
T 21	13 48	12 19	2 50	10 32	0 49	10 41	1 2	7 30	1 28	21 28	0 20	22 43	0 50	18 47	0 39	21 11	1 20	19 40	15 47	3 23	3 56	24 28	15 45	6 24
F 22	14 7	17 57	3 46	10 5	1 6	11 8	1 1	7 13	1 28	21 30	0 20	22 43	0 50	18 47	0 39	21 11	1 20	19 40	15 47	3 25	3 58	24 26	15 45	6 25
S 23	14 26	22 47	4 29	9 40	1 22	11 35	0 59	6 55	1 28	21 33	0 20	22 43	0 50	18 47	0 39	21 12	1 20	19 40	15 47	3 28	3 59	24 24	15 44	6 25
S 24	14 44	26 23	4 57	9 17	1 37	12 2	0 57	6 38	1 29	21 35	0 20	22 43	0 50	18 47	0 39	21 12	1 20	19 39	15 48	3 31	4 0	24 22	15 44	6 26
M25	15 3	28 21	5 7	8 56	1 51	12 29	0 55	6 20	1 29	21 37	0 20	22 43	0 50	18 46	0 39	21 12	1 19	19 39	15 48	3 34	4 1	24 20	15 43	6 26
T 26	15 21	28 25	4 58	8 37	2 5	12 55	0 53	6 2	1 29	21 39	0 20	22 43	0 50	18 46	0 39	21 12	1 19	19 39	15 48	3 36	4 3	24 18	15 43	6 27
W27	15 39	26 35	4 30	8 21	2 18	13 21	0 51	5 45	1 29	21 41	0 19	22 43	0 50	18 46	0 39	21 13	1 19	19 39	15 49	3 38	4 4	24 16	15 42	6 27
T 28	15 56	23 3	3 45	8 7	2 30	13 47	0 50	5 27	1 30	21 43	0 19	22 43	0 50	18 46	0 39	21 13	1 19	19 39	15 49	3 38	4 5	24 14	15 42	6 28
F 29	16 13	18 11	2 47	7 55	2 41	14 12	0 48	5 9	1 30	21 45	0 19	22 43	0 50	18 46	0 39	21 13	1 19	19 39	15 49	3 39	4 6	24 12	15 41	6 28
S 30	16n30	12s23	1s40	7n46	2s51	14n37	0s46	4s52	1s30	21n47	0s19	22s43	0n50	18s46	0s39	21n13	1s19	19s39	15s49	3s38	4s 8	24n10	15s41	6n29

Julian Day Number = 2114157.5, Delta T = 19m03s
Ecliptic obliquity = 23°33'42, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°51'47, Lahiri = 10°58'48 Julian Calendar 1 Apr. 1076 == Greg. Calendar 7 Apr. 1076

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1076
geocentric

MAY 1076 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 59 53	16♉15'43	15♓50	27♈ 0	12♉39	22♓ 1	10♊28	1°R55	8♒51	13♊32	17♓ 3	20°R53	19♓34	29♋47	19°R45	S 1
M 2	15 3 50	17°13'22	29°32	27°10	13°53	22°46	10°42	1♑53	8°51	13°34	17° 4	20♓53	19°31	29°54	19♑44	M 2
T 3	15 7 46	18°11'00	13♈ 5	27°25	15° 7	23°32	10°55	1°50	8°51	13°36	17° 5	20°50	19°28	0♌ 1	19°43	T 3
W 4	15 11 43	19° 8'36	26°27	27°43	16°21	24°17	11° 8	1°48	8°52	13°38	17° 6	20°46	19°25	0° 7	19°42	W 4
T 5	15 15 39	20° 6'12	9♉38	28° 7	17°34	25° 2	11°21	1°45	8°52	13°40	17° 7	20°39	19°21	0°14	19°41	T 5
F 6	15 19 36	21° 3'46	22°35	28°34	18°48	25°47	11°35	1°42	8°52	13°42	17° 8	20°30	19°18	0°21	19°40	F 6
S 7	15 23 32	22° 1'20	5♊20	29° 6	20° 2	26°32	11°48	1°39	8°R52	13°45	17° 8	20°19	19°15	0°27	19°39	S 7
S 8	15 27 29	22°58'52	17°50	29°41	21°16	27°17	12° 1	1°37	8°52	13°47	17° 9	20° 8	19°12	0°34	19°37	S 8
M 9	15 31 25	23°56'23	0♋ 7	0♉21	22°29	28° 2	12°15	1°34	8°52	13°49	17°10	19°57	19° 9	0°41	19°36	M 9
T 10	15 35 22	24°53'52	12°13	1° 4	23°43	28°47	12°28	1°31	8°52	13°51	17°11	19°48	19° 6	0°47	19°35	T 10
W11	15 39 19	25°51'21	24°10	1°52	24°57	29°32	12°42	1°27	8°52	13°53	17°11	19°42	19° 2	0°54	19°33	W11
T 12	15 43 15	26°48'48	6♌ 1	2°42	26°11	0♈16	12°55	1°24	8°51	13°55	17°12	19°37	18°59	1° 1	19°31	T 12
F 13	15 47 12	27°46'14	17°51	3°37	27°24	1° 1	13° 8	1°21	8°51	13°57	17°13	19°35	18°56	1° 7	19°30	F 13
S 14	15 51 8	28°43'38	29°44	4°35	28°38	1°46	13°22	1°18	8°51	14° 0	17°13	19°D35	18°53	1°14	19°28	S 14
S 15	15 55 5	29°41'01	11♍47	5°36	29°52	2°30	13°35	1°14	8°51	14° 2	17°14	19°35	18°50	1°21	19°26	S 15
M16	15 59 1	0♊38'23	24° 5	6°40	1♊ 5	3°15	13°49	1°11	8°50	14° 4	17°14	19°R35	18°47	1°28	19°25	M16
T 17	16 2 58	1°35'44	6♎41	7°48	2°19	3°59	14° 3	1° 7	8°50	14° 6	17°15	19°34	18°43	1°34	19°23	T 17
W18	16 6 54	2°33'04	19°41	8°59	3°33	4°44	14°16	1° 4	8°49	14° 8	17°16	19°31	18°40	1°41	19°21	W18
T 19	16 10 51	3°30'23	3♏ 6	10°13	4°46	5°28	14°30	1° 0	8°49	14°10	17°16	19°25	18°37	1°48	19°19	T 19
F 20	16 14 48	4°27'41	16°57	11°30	6° 0	6°13	14°43	0°57	8°48	14°13	17°17	19°17	18°34	1°54	19°17	F 20
S 21	16 18 44	5°24'58	1♐12	12°50	7°14	6°57	14°57	0°53	8°47	14°15	17°17	19° 7	18°31	2° 1	19°14	S 21
S 22	16 22 41	6°22'15	15°45	14°13	8°27	7°41	15°11	0°49	8°47	14°17	17°17	18°56	18°27	2° 8	19°12	S 22
M23	16 26 37	7°19'31	0♑29	15°40	9°41	8°25	15°24	0°45	8°46	14°19	17°18	18°45	18°24	2°14	19°10	M23
T 24	16 30 34	8°16'46	15°15	17° 9	10°55	9° 9	15°38	0°41	8°45	14°22	17°18	18°36	18°21	2°21	19° 8	T 24
W25	16 34 30	9°14'01	29°57	18°41	12° 9	9°53	15°52	0°37	8°45	14°24	17°19	18°30	18°18	2°28	19° 5	W25
T 26	16 38 27	10°11'15	14♒28	20°16	13°22	10°37	16° 5	0°33	8°44	14°26	17°19	18°26	18°15	2°34	19° 3	T 26
F 27	16 42 24	11° 8'29	28°45	21°53	14°36	11°21	16°19	0°29	8°43	14°28	17°19	18°24	18°12	2°41	19° 0	F 27
S 28	16 46 20	12° 5'43	12♓45	23°34	15°50	12° 5	16°33	0°25	8°42	14°31	17°20	18°24	18° 8	2°48	18°58	S 28
S 29	16 50 17	13° 2'57	26°28	25°17	17° 3	12°49	16°46	0°21	8°41	14°33	17°20	18°24	18° 5	2°54	18°55	S 29
M30	16 54 13	14° 0'10	9♈57	27° 4	18°17	13°33	17° 0	0°17	8°40	14°35	17°20	18°23	18° 2	3° 1	18°53	M30
T 31	16 58 10	14♊57'23	23♈11	28♉53	19♊31	14♈16	17♊14	0♑13	8♒39	14♊37	17♓21	18♓19	17♓59	3♌ 8	18♑50	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n47	6s 2	0s27	7n40	2s59	15n 2	0s43	4s34	1s30	21n49	0s19	22s43	0n50	18s46	0s39	21n14	1s19	19s39	15s50	3s38	4s 9	24n 8	15s41	6n29
M 2	17 4	0n31	0n46	7 36	3 7	15 26	0 41	4 16	1 30	21 51	0 19	22 43	0 50	18 46	0 39	21 14	1 19	19 39	15 50	3 38	4 10	24 6	15 40	6 30
T 3	17 20	6 58	1 56	7 35	3 14	15 50	0 39	3 58	1 31	21 53	0 19	22 43	0 50	18 46	0 39	21 14	1 19	19 39	15 50	3 39	4 12	24 4	15 40	6 30
W 4	17 36	13 1	2 58	7 36	3 20	16 13	0 37	3 40	1 31	21 55	0 19	22 43	0 50	18 46	0 39	21 15	1 19	19 39	15 51	3 41	4 13	24 2	15 40	6 31
T 5	17 52	18 24	3 50	7 40	3 25	16 36	0 35	3 22	1 31	21 57	0 19	22 43	0 50	18 46	0 39	21 15	1 19	19 38	15 51	3 43	4 14	24 0	15 39	6 31
F 6	18 7	22 50	4 29	7 46	3 28	16 59	0 33	3 5	1 31	21 59	0 18	22 43	0 50	18 46	0 39	21 15	1 19	19 38	15 51	3 47	4 15	23 58	15 39	6 32
S 7	18 22	26 6	4 53	7 55	3 31	17 21	0 31	2 47	1 31	22 1	0 18	22 43	0 50	18 46	0 39	21 15	1 19	19 38	15 52	3 51	4 17	23 56	15 39	6 32
S 8	18 37	28 2	5 3	8 5	3 33	17 43	0 28	2 29	1 31	22 3	0 18	22 43	0 50	18 46	0 39	21 16	1 19	19 38	15 52	3 56	4 18	23 54	15 38	6 33
M 9	18 51	28 32	4 58	8 18	3 34	18 4	0 26	2 11	1 31	22 5	0 18	22 43	0 50	18 46	0 39	21 16	1 19	19 38	15 52	4 0	4 19	23 52	15 38	6 33
T 10	19 5	27 39	4 41	8 33	3 35	18 25	0 24	1 53	1 32	22 7	0 18	22 44	0 50	18 46	0 39	21 16	1 19	19 39	15 53	4 3	4 20	23 50	15 38	6 34
W11	19 19	25 30	4 11	8 50	3 34	18 45	0 21	1 35	1 32	22 8	0 18	22 44	0 50	18 46	0 39	21 17	1 19	19 39	15 53	4 6	4 22	23 48	15 38	6 34
T 12	19 33	22 15	3 30	9 9	3 33	19 5	0 19	1 18	1 32	22 10	0 18	22 44	0 50	18 46	0 39	21 17	1 19	19 39	15 53	4 8	4 23	23 46	15 37	6 34
F 13	19 46	18 6	2 40	9 29	3 30	19 24	0 17	1 0	1 32	22 12	0 18	22 44	0 50	18 46	0 39	21 17	1 19	19 39	15 54	4 9	4 24	23 44	15 37	6 35
S 14	19 59	13 14	1 44	9 51	3 28	19 43	0 15	0 42	1 32	22 14	0 18	22 44	0 50	18 46	0 39	21 17	1 19	19 39	15 54	4 9	4 25	23 42	15 37	6 35
S 15	20 11	7 49	0 41	10 15	3 24	20 2	0 12	0 24	1 32	22 16	0 17	22 44	0 49	18 46	0 39	21 18	1 19	19 39	15 54	4 9	4 27	23 40	15 37	6 36
M16	20 23	2 0	0s24	10 40	3 20	20 19	0 10	0 6	1 32	22 17	0 17	22 44	0 49	18 47	0 39	21 18	1 19	19 39	15 55	4 9	4 28	23 38	15 37	6 36
T 17	20 35	4s 2	1 30	11 7	3 15	20 37	0 7	0n11	1 32	22 19	0 17	22 44	0 49	18 47	0 40	21 18	1 19	19 39	15 55	4 9	4 29	23 36	15 36	6 37
W18	20 47	10 5	2 32	11 35	3 9	20 53	0 5	0 29	1 32	22 21	0 17	22 44	0 49	18 47	0 40	21 18	1 19	19 39	15 56	4 10	4 30	23 33	15 36	6 37
T 19	20 58	15 53	3 29	12 4	3 3	21 9	0 3	0 47	1 32	22 22	0 17	22 44	0 49	18 47	0 40	21 19	1 19	19 39	15 56	4 13	4 32	23 31	15 36	6 37
F 20	21 8	21 3	4 15	12 34	2 56	21 25	0 0	1 4	1 32	22 24	0 17	22 44	0 49	18 47	0 40	21 19	1 19	19 39	15 56	4 16	4 33	23 29	15 36	6 38
S 21	21 19	25 11	4 47	13 6	2 48	21 40	0n 2	1 22	1 32	22 26	0 17	22 44	0 49	18 47	0 40	21 19	1 19	19 39	15 57	4 20	4 34	23 27	15 36	6 38
S 22	21 29	27 46	5 0	13 38	2 40	21 54	0 4	1 39	1 32	22 27	0 17	22 44	0 49	18 48	0 40	21 20	1 19	19 40	15 57	4 24	4 35	23 25	15 36	6 39
M23	21 39	28 28	4 55	14 11	2 32	22 8	0 7	1 57	1 32	22 29	0 17	22 44	0 49	18 48	0 40	21 20	1 19	19 40	15 57	4 28	4 37	23 23	15 36	6 39
T 24	21 48	27 9	4 29	14 45	2 23	22 21	0 9	2 14	1 32	22 31	0 16	22 44	0 49	18 48	0 40	21 20	1 19	19 40	15 58	4 32	4 38	23 21	15 36	6 39
W25	21 57	23 57	3 46	15 20	2 14	22 33	0 12	2 32	1 32	22 32	0 16	22 45	0 49	18 48	0 40	21 20	1 19	19 40	15 58	4 34	4 39	23 18	15 36	6 40
T 26	22 5	19 16	2 49	15 54	2 4	22 45	0 14	2 49	1 32	22 34	0 16	22 45	0 49	18 49	0 40	21 21	1 19	19 40	15 58	4 36	4 40	23 16	15 36	6 40
F 27	22 14	13 34	1 42	16 30	1 54	22 56	0 16	3 6	1 32	22 35	0 16	22 45	0 49	18 49	0 40	21 21	1 19	19 40	15 59	4 37	4 41	23 14	15 36	6 41
S 28	22 21	7 16	0 30	17 5	1 43	23 7	0 19	3 24	1 32	22 37	0 16	22 45	0 49	18 49	0 40	21 21	1 19	19 41	15 59	4 37	4 43	23 12	15 36	6 41
S 29	22 29	0 45	0n43	17 41	1 33	23 17	0 21	3 41	1 32	22 38	0 16	22 45	0 49	18 49	0 40	21 21	1 19	19 41	16 0	4 37	4 44	23 10	15 36	6 41
M30	22 36	5n40	1 51	18 17	1 22	23 26	0 23	3 58	1 32	22 40	0 16	22 45	0 49	18 50	0 40	21 22	1 19	19 41	16 0	4 37	4 45	23 8	15 36	6 42
T 31	22n42	11n43	2n53	18n52	1s11	23n34	0n26	4n15	1s32	22n41	0s16	22s45	0n49	18s50	0s40	21n22	1s19	19s41	16s 0	4s38	4s46	23n 5	15s36	6n42

Julian Day Number = 2114187.5, Delta T = 19m02s
Ecliptic obliquity = 23°33'41, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°51'52, Lahiri = 10°58'52 Julian Calendar 1 May 1076 == Greg. Calendar 7 May 1076

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1076
geocentric

JUNE 1076 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 2 6	15♊54'36	6♉13	0♊44	20♊44	15♈ 0	17♊28	0°R 9	8°R38	14♊39	17♓21	18°R13	17♓56	3♌14	18°R47	W 1
T 2	17 6 3	16°51'49	19° 3	2°38	21°58	15°43	17°41	0♋ 5	8♒36	14°42	17°21	18♓ 5	17°53	3°21	18♋44	T 2
F 3	17 9 59	17°49'02	1♊41	4°35	23°12	16°27	17°55	0° 0	8°35	14°44	17°21	17°53	17°49	3°28	18°42	F 3
S 4	17 13 56	18°46'14	14°10	6°34	24°26	17°10	18° 9	29♐56	8°34	14°46	17°22	17°40	17°46	3°35	18°39	S 4
S 5	17 17 53	19°43'26	26°27	8°35	25°39	17°53	18°22	29°52	8°33	14°48	17°22	17°27	17°43	3°41	18°36	S 5
M 6	17 21 49	20°40'38	8♋35	10°39	26°53	18°37	18°36	29°47	8°31	14°51	17°22	17°14	17°40	3°48	18°33	M 6
T 7	17 25 46	21°37'50	20°35	12°44	28° 7	19°20	18°50	29°43	8°30	14°53	17°22	17° 3	17°37	3°55	18°30	T 7
W 8	17 29 42	22°35'01	2♌27	14°50	29°20	20° 3	19° 4	29°39	8°29	14°55	17°22	16°54	17°33	4° 1	18°27	W 8
T 9	17 33 39	23°32'12	14°16	16°58	0♋34	20°46	19°17	29°34	8°27	14°57	17°22	16°48	17°30	4° 8	18°24	T 9
F 10	17 37 35	24°29'23	26° 4	19° 7	1°48	21°29	19°31	29°30	8°26	15° 0	17°22	16°44	17°27	4°15	18°21	F 10
S 11	17 41 32	25°26'33	7♍57	21°17	3° 1	22°11	19°45	29°26	8°24	15° 2	17°R22	16°43	17°24	4°21	18°17	S 11
S 12	17 45 28	26°23'43	19°58	23°27	4°15	22°54	19°58	29°21	8°23	15° 4	17°22	16°43	17°21	4°28	18°14	S 12
M13	17 49 25	27°20'53	2♎13	25°38	5°29	23°37	20°12	29°17	8°21	15° 6	17°22	16°43	17°18	4°35	18°11	M13
T 14	17 53 22	28°18'02	14°48	27°48	6°43	24°19	20°26	29°12	8°19	15° 8	17°22	16°42	17°14	4°41	18° 8	T 14
W15	17 57 18	29°15'11	27°47	29°58	7°56	25° 2	20°39	29° 8	8°18	15°11	17°22	16°39	17°11	4°48	18° 4	W15
T 16	18 1 15	0♋12'20	11♏14	2♋ 8	9°10	25°44	20°53	29° 3	8°16	15°13	17°22	16°34	17° 8	4°55	18° 1	T 16
F 17	18 5 11	1° 9'29	25°10	4°16	10°24	26°26	21° 6	28°59	8°14	15°15	17°22	16°26	17° 5	5° 1	17°58	F 17
S 18	18 9 8	2° 6'38	9♐34	6°24	11°37	27° 9	21°20	28°55	8°13	15°17	17°22	16°17	17° 2	5° 8	17°54	S 18
S 19	18 13 4	3° 3'47	24°21	8°31	12°51	27°51	21°33	28°50	8°11	15°19	17°21	16° 7	16°59	5°15	17°51	S 19
M20	18 17 1	4° 0'56	9♋22	10°36	14° 5	28°33	21°47	28°46	8° 9	15°21	17°21	15°57	16°55	5°21	17°48	M20
T 21	18 20 58	4°58'06	24°29	12°39	15°19	29°15	22° 1	28°41	8° 7	15°24	17°21	15°48	16°52	5°28	17°44	T 21
W22	18 24 54	5°55'15	9♒32	14°42	16°32	29°56	22°14	28°37	8° 5	15°26	17°21	15°42	16°49	5°35	17°41	W22
T 23	18 28 51	6°52'26	24°21	16°42	17°46	0♉38	22°27	28°33	8° 3	15°28	17°21	15°38	16°46	5°42	17°37	T 23
F 24	18 32 47	7°49'36	8♓52	18°41	19° 0	1°20	22°41	28°28	8° 1	15°30	17°20	15°36	16°43	5°48	17°34	F 24
S 25	18 36 44	8°46'48	23° 0	20°38	20°13	2° 1	22°54	28°24	7°59	15°32	17°20	15°D36	16°39	5°55	17°30	S 25
S 26	18 40 40	9°44'00	6♈46	22°33	21°27	2°43	23° 8	28°20	7°57	15°34	17°20	15°R37	16°36	6° 2	17°27	S 26
M27	18 44 37	10°41'12	20°11	24°27	22°41	3°24	23°21	28°15	7°55	15°36	17°19	15°36	16°33	6° 8	17°23	M27
T 28	18 48 33	11°38'26	3♉17	26°19	23°55	4° 5	23°34	28°11	7°53	15°38	17°19	15°34	16°30	6°15	17°20	T 28
W29	18 52 30	12°35'40	16° 6	28° 9	25° 8	4°47	23°48	28° 7	7°51	15°40	17°19	15°30	16°27	6°22	17°16	W29
T 30	18 56 27	13♋32'55	28♉42	29♋57	26♋22	5♉28	24♊ 1	28♐ 3	7♒49	15♊42	17♓18	15♓23	16♓24	6♌28	17♋13	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n49	17n10	3n44	19n27	0s59	23n42	0n28	4n32	1s31	22n42	0s16	22s45	0n49	18s50	0s40	21n22	1s19	19s42	16s 1	4s41	4s48	23n 3	15s36	6n42
T 2	22 55	21 47	4 23	20 1	0 48	23 49	0 30	4 49	1 31	22 44	0 16	22 45	0 49	18 51	0 40	21 22	1 19	19 42	16 1	4 44	4 49	23 1	15 36	6 43
F 3	23 0	25 18	4 48	20 34	0 36	23 55	0 32	5 6	1 31	22 45	0 15	22 45	0 49	18 51	0 40	21 23	1 19	19 42	16 1	4 49	4 50	22 59	15 36	6 43
S 4	23 5	27 34	4 59	21 7	0 25	24 1	0 35	5 23	1 31	22 46	0 15	22 45	0 48	18 51	0 40	21 23	1 19	19 42	16 2	4 54	4 51	22 57	15 36	6 43
S 5	23 10	28 27	4 56	21 38	0 13	24 6	0 37	5 39	1 31	22 48	0 15	22 45	0 48	18 52	0 40	21 23	1 19	19 43	16 2	4 59	4 53	22 54	15 36	6 44
M 6	23 14	27 56	4 40	22 7	0 2	24 10	0 39	5 56	1 31	22 49	0 15	22 45	0 48	18 52	0 40	21 23	1 19	19 43	16 3	5 4	4 54	22 52	15 36	6 44
T 7	23 18	26 6	4 11	22 35	0n 9	24 14	0 41	6 13	1 30	22 50	0 15	22 45	0 48	18 53	0 40	21 24	1 19	19 43	16 3	5 8	4 55	22 50	15 36	6 44
W 8	23 21	23 8	3 31	23 1	0 20	24 17	0 43	6 29	1 30	22 52	0 15	22 45	0 48	18 53	0 40	21 24	1 19	19 44	16 3	5 12	4 56	22 48	15 36	6 44
T 9	23 24	19 13	2 43	23 25	0 30	24 19	0 45	6 45	1 30	22 53	0 15	22 46	0 48	18 53	0 40	21 24	1 19	19 44	16 4	5 14	4 58	22 45	15 36	6 45
F 10	23 27	14 34	1 47	23 46	0 40	24 20	0 47	7 2	1 30	22 54	0 15	22 46	0 48	18 54	0 40	21 24	1 19	19 44	16 4	5 16	4 59	22 43	15 37	6 45
S 11	23 29	9 21	0 46	24 6	0 49	24 21	0 49	7 18	1 30	22 55	0 15	22 46	0 48	18 54	0 40	21 25	1 19	19 45	16 4	5 16	5 0	22 41	15 37	6 45
S 12	23 31	3 44	0s17	24 22	0 58	24 21	0 51	7 34	1 29	22 56	0 15	22 46	0 48	18 55	0 40	21 25	1 19	19 45	16 5	5 16	5 1	22 39	15 37	6 45
M13	23 32	2s 8	1 21	24 36	1 6	24 20	0 53	7 50	1 29	22 57	0 14	22 46	0 48	18 55	0 40	21 25	1 19	19 45	16 5	5 16	5 3	22 36	15 37	6 46
T 14	23 33	8 4	2 23	24 47	1 14	24 19	0 55	8 6	1 29	22 58	0 14	22 46	0 48	18 56	0 40	21 25	1 19	19 46	16 6	5 17	5 4	22 34	15 37	6 46
W15	23 34	13 50	3 19	24 55	1 21	24 16	0 57	8 22	1 29	23 0	0 14	22 46	0 48	18 56	0 40	21 26	1 19	19 46	16 6	5 18	5 5	22 32	15 38	6 46
T 16	23 34	19 11	4 7	25 0	1 27	24 13	0 59	8 37	1 28	23 1	0 14	22 46	0 48	18 57	0 40	21 26	1 19	19 46	16 6	5 20	5 6	22 30	15 38	6 46
F 17	23 33	23 42	4 41	25 2	1 33	24 10	1 1	8 53	1 28	23 2	0 14	22 46	0 47	18 57	0 41	21 26	1 19	19 47	16 7	5 23	5 8	22 27	15 38	6 46
S 18	23 33	26 56	5 0	25 2	1 38	24 5	1 3	9 9	1 28	23 3	0 14	22 46	0 47	18 57	0 41	21 26	1 19	19 47	16 7	5 26	5 9	22 25	15 38	6 47
S 19	23 32	28 25	4 59	24 59	1 42	24 0	1 4	9 24	1 28	23 4	0 14	22 46	0 47	18 58	0 41	21 27	1 19	19 48	16 7	5 30	5 10	22 23	15 38	6 47
M20	23 30	27 50	4 37	24 53	1 45	23 54	1 6	9 39	1 27	23 5	0 14	22 46	0 47	18 58	0 41	21 27	1 19	19 48	16 8	5 34	5 11	22 20	15 39	6 47
T 21	23 28	25 12	3 56	24 45	1 48	23 48	1 8	9 54	1 27	23 5	0 14	22 46	0 47	18 59	0 41	21 27	1 19	19 48	16 8	5 38	5 13	22 18	15 39	6 47
W22	23 26	20 50	2 59	24 34	1 50	23 40	1 9	10 10	1 27	23 6	0 14	22 46	0 47	19 0	0 41	21 27	1 19	19 49	16 9	5 40	5 14	22 16	15 39	6 47
T 23	23 23	15 12	1 50	24 21	1 51	23 33	1 11	10 24	1 26	23 7	0 14	22 46	0 47	19 0	0 41	21 28	1 19	19 49	16 9	5 42	5 15	22 13	15 40	6 47
F 24	23 20	8 50	0 36	24 5	1 51	23 24	1 12	10 39	1 26	23 8	0 13	22 46	0 47	19 1	0 41	21 28	1 19	19 50	16 9	5 42	5 16	22 11	15 40	6 47
S 25	23 16	2 11	0n39	23 48	1 51	23 14	1 14	10 54	1 25	23 9	0 13	22 46	0 47	19 1	0 41	21 28	1 19	19 50	16 10	5 42	5 18	22 9	15 40	6 48
S 26	23 12	4n23	1 50	23 29	1 50	23 4	1 15	11 9	1 25	23 10	0 13	22 46	0 47	19 2	0 41	21 28	1 19	19 51	16 10	5 42	5 19	22 6	15 41	6 48
M27	23 8	10 36	2 53	23 8	1 49	22 54	1 16	11 23	1 25	23 10	0 13	22 46	0 47	19 2	0 41	21 28	1 19	19 51	16 10	5 42	5 20	22 4	15 41	6 48
T 28	23 3	16 12	3 45	22 45	1 47	22 42	1 18	11 38	1 24	23 11	0 13	22 47	0 46	19 3	0 41	21 29	1 19	19 51	16 11	5 43	5 21	22 2	15 41	6 48
W29	22 58	20 58	4 25	22 21	1 44	22 30	1 19	11 52	1 24	23 12	0 13	22 47	0 46	19 3	0 41	21 29	1 19	19 52	16 11	5 45	5 23	21 59	15 42	6 48
T 30	22n52	24n42	4n51	21n55	1n41	22n18	1n20	12n 6	1s23	23n13	0s13	22s47	0n46	19s 4	0s41	21n29	1s19	19s52	16s11	5s47	5s24	21n57	15s42	6n48

Julian Day Number = 2114218.5, Delta T = 19m02s
Ecliptic obliquity = 23°33'41, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°51'56, Lahiri = 10°58'56 Julian Calendar 1 June 1076 == Greg. Calendar 7 June 1076

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1076
geocentric

JULY 1076 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	19 0 23	14♋30'11	11♊ 6	1♌43	27♋36	6♉ 9	24♊14	27°R59	7°R47	15♊44	17°R18	15°R14	16♓20	6♌35	17°R 9	F 1
S 2	19 4 20	15°27'28	23°20	3°28	28°49	6°49	24°27	27♐54	7♒45	15°46	17♓17	15♓ 4	16°17	6°42	17♑ 6	S 2
S 3	19 8 16	16°24'45	5♋26	5°10	0♌ 3	7°30	24°41	27°50	7°43	15°48	17°17	14°53	16°14	6°48	17° 2	S 3
M 4	19 12 13	17°22'03	17°24	6°51	1°17	8°11	24°54	27°46	7°41	15°50	17°16	14°42	16°11	6°55	16°59	M 4
T 5	19 16 9	18°19'22	29°17	8°30	2°31	8°51	25° 7	27°42	7°38	15°52	17°16	14°33	16° 8	7° 2	16°55	T 5
W 6	19 20 6	19°16'42	11♌ 7	10° 8	3°44	9°32	25°20	27°38	7°36	15°54	17°15	14°26	16° 5	7° 8	16°51	W 6
T 7	19 24 2	20°14'02	22°54	11°43	4°58	10°12	25°33	27°34	7°34	15°56	17°15	14°21	16° 1	7°15	16°48	T 7
F 8	19 27 59	21°11'22	4♍43	13°17	6°12	10°52	25°46	27°30	7°32	15°58	17°14	14°19	15°58	7°22	16°44	F 8
S 9	19 31 56	22° 8'44	16°36	14°49	7°26	11°32	25°59	27°27	7°29	16° 0	17°14	14°D18	15°55	7°28	16°41	S 9
S 10	19 35 52	23° 6'05	28°38	16°19	8°39	12°12	26°12	27°23	7°27	16° 2	17°13	14°19	15°52	7°35	16°37	S 10
M11	19 39 49	24° 3'28	10♎53	17°47	9°53	12°52	26°25	27°19	7°25	16° 4	17°12	14°20	15°49	7°42	16°34	M11
T 12	19 43 45	25° 0'51	23°26	19°14	11° 7	13°31	26°38	27°16	7°22	16° 5	17°12	14°R21	15°45	7°48	16°30	T 12
W13	19 47 42	25°58'15	6♏22	20°38	12°20	14°11	26°50	27°12	7°20	16° 7	17°11	14°20	15°42	7°55	16°27	W13
T 14	19 51 38	26°55'39	19°44	22° 1	13°34	14°50	27° 3	27° 8	7°18	16° 9	17°10	14°18	15°39	8° 2	16°23	T 14
F 15	19 55 35	27°53'05	3♐35	23°22	14°48	15°29	27°16	27° 5	7°15	16°11	17°10	14°14	15°36	8° 8	16°20	F 15
S 16	19 59 31	28°50'31	17°56	24°41	16° 2	16° 8	27°28	27° 1	7°13	16°13	17° 9	14° 8	15°33	8°15	16°16	S 16
S 17	20 3 28	29°47'58	2♑41	25°58	17°15	16°47	27°41	26°58	7°11	16°14	17° 8	14° 2	15°30	8°22	16°13	S 17
M18	20 7 25	0♌45'26	17°46	27°12	18°29	17°26	27°53	26°55	7° 8	16°16	17° 7	13°56	15°26	8°28	16°10	M18
T 19	20 11 21	1°42'55	3♒ 1	28°25	19°43	18° 5	28° 6	26°52	7° 6	16°18	17° 7	13°50	15°23	8°35	16° 6	T 19
W20	20 15 18	2°40'25	18°15	29°35	20°56	18°43	28°18	26°48	7° 4	16°20	17° 6	13°46	15°20	8°42	16° 3	W20
T 21	20 19 14	3°37'56	3♓18	0♍43	22°10	19°22	28°30	26°45	7° 1	16°21	17° 5	13°44	15°17	8°48	16° 0	T 21
F 22	20 23 11	4°35'28	18° 3	1°49	23°24	20° 0	28°43	26°42	6°59	16°23	17° 4	13°D44	15°14	8°55	15°56	F 22
S 23	20 27 7	5°33'02	2♈25	2°52	24°37	20°38	28°55	26°39	6°56	16°24	17° 3	13°45	15°11	9° 2	15°53	S 23
S 24	20 31 4	6°30'38	16°20	3°53	25°51	21°16	29° 7	26°36	6°54	16°26	17° 3	13°46	15° 7	9° 8	15°50	S 24
M25	20 35 0	7°28'15	29°50	4°51	27° 4	21°54	29°19	26°34	6°52	16°28	17° 2	13°47	15° 4	9°15	15°47	M25
T 26	20 38 57	8°25'53	12♉56	5°46	28°18	22°32	29°31	26°31	6°49	16°29	17° 1	13°R47	15° 1	9°22	15°44	T 26
W27	20 42 54	9°23'33	25°42	6°38	29°32	23° 9	29°43	26°28	6°47	16°31	17° 0	13°46	14°58	9°28	15°40	W27
T 28	20 46 50	10°21'15	8♊11	7°27	0♍45	23°47	29°55	26°26	6°44	16°32	16°59	13°43	14°55	9°35	15°37	T 28
F 29	20 50 47	11°18'59	20°26	8°13	1°59	24°24	0♋ 7	26°23	6°42	16°34	16°58	13°39	14°51	9°42	15°34	F 29
S 30	20 54 43	12°16'44	2♋31	8°55	3°13	25° 1	0°19	26°21	6°40	16°35	16°57	13°34	14°48	9°49	15°31	S 30
S 31	20 58 40	13♌14'31	14♋28	9♍34	4♍26	25♉38	0♋30	26♐18	6♒37	16♊36	16♓56	13♓29	14♓45	9♌55	15♑28	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n46	27n13	5n 3	21n28	1n37	22n 4	1n21	12n20	1s23	23n13	0s13	22s47	0n46	19s 4	0s41	21n29	1s19	19s53	16s12	5s51	5s25	21n55	15s42	6n48
S 2	22 40	28 24	5 1	20 59	1 33	21 50	1 22	12 34	1 23	23 14	0 13	22 47	0 46	19 5	0 41	21 29	1 19	19 53	16 12	5 55	5 26	21 52	15 43	6 48
S 3	22 33	28 12	4 45	20 30	1 29	21 36	1 23	12 47	1 22	23 15	0 13	22 47	0 46	19 6	0 41	21 30	1 19	19 54	16 12	5 59	5 27	21 50	15 43	6 48
M 4	22 26	26 40	4 16	20 0	1 23	21 20	1 24	13 1	1 22	23 15	0 13	22 47	0 46	19 6	0 41	21 30	1 19	19 54	16 13	6 3	5 29	21 47	15 44	6 48
T 5	22 18	23 56	3 37	19 29	1 18	21 4	1 25	13 14	1 21	23 16	0 12	22 47	0 46	19 7	0 41	21 30	1 19	19 55	16 13	6 7	5 30	21 45	15 44	6 48
W 6	22 10	20 13	2 48	18 57	1 12	20 48	1 26	13 28	1 21	23 16	0 12	22 47	0 46	19 7	0 41	21 30	1 19	19 55	16 13	6 10	5 31	21 43	15 44	6 48
T 7	22 2	15 43	1 52	18 24	1 5	20 31	1 26	13 41	1 20	23 17	0 12	22 47	0 45	19 8	0 41	21 30	1 19	19 56	16 14	6 11	5 32	21 40	15 45	6 48
F 8	21 53	10 38	0 51	17 51	0 58	20 13	1 27	13 54	1 20	23 17	0 12	22 47	0 45	19 9	0 41	21 31	1 19	19 56	16 14	6 12	5 34	21 38	15 45	6 48
S 9	21 44	5 7	0s12	17 17	0 51	19 55	1 28	14 7	1 19	23 18	0 12	22 47	0 45	19 9	0 41	21 31	1 19	19 57	16 14	6 12	5 35	21 35	15 46	6 48
S 10	21 34	0s37	1 17	16 43	0 44	19 36	1 28	14 20	1 19	23 18	0 12	22 47	0 45	19 10	0 41	21 31	1 19	19 57	16 15	6 12	5 36	21 33	15 46	6 48
M11	21 24	6 27	2 18	16 9	0 36	19 17	1 29	14 32	1 18	23 19	0 12	22 47	0 45	19 10	0 41	21 31	1 19	19 58	16 15	6 12	5 37	21 31	15 47	6 48
T 12	21 14	12 10	3 15	15 34	0 27	18 57	1 29	14 45	1 17	23 19	0 12	22 47	0 45	19 11	0 41	21 31	1 19	19 59	16 15	6 11	5 39	21 28	15 47	6 48
W13	21 4	17 32	4 4	14 59	0 19	18 37	1 29	14 57	1 17	23 20	0 12	22 47	0 45	19 12	0 41	21 31	1 19	19 59	16 16	6 12	5 40	21 26	15 48	6 48
T 14	20 53	22 16	4 41	14 24	0 10	18 16	1 30	15 9	1 16	23 20	0 12	22 47	0 45	19 12	0 41	21 32	1 19	20 0	16 16	6 13	5 41	21 23	15 48	6 48
F 15	20 41	25 56	5 3	13 49	0 1	17 55	1 30	15 21	1 16	23 20	0 12	22 47	0 44	19 13	0 41	21 32	1 19	20 0	16 16	6 14	5 42	21 21	15 49	6 48
S 16	20 30	28 7	5 8	13 14	0s 8	17 33	1 30	15 33	1 15	23 21	0 12	22 47	0 44	19 13	0 41	21 32	1 19	20 1	16 16	6 16	5 44	21 18	15 49	6 48
S 17	20 18	28 25	4 53	12 39	0 18	17 10	1 30	15 45	1 14	23 21	0 11	22 47	0 44	19 14	0 41	21 32	1 19	20 1	16 17	6 19	5 45	21 16	15 50	6 48
M18	20 5	26 37	4 17	12 4	0 28	16 47	1 30	15 56	1 14	23 21	0 11	22 47	0 44	19 15	0 41	21 32	1 19	20 2	16 17	6 21	5 46	21 14	15 50	6 47
T 19	19 53	22 52	3 23	11 30	0 38	16 24	1 30	16 8	1 13	23 22	0 11	22 48	0 44	19 15	0 41	21 32	1 19	20 2	16 17	6 23	5 47	21 11	15 51	6 47
W20	19 40	17 33	2 14	10 56	0 48	16 0	1 30	16 19	1 13	23 22	0 11	22 48	0 44	19 16	0 41	21 33	1 19	20 3	16 18	6 25	5 49	21 9	15 51	6 47
T 21	19 26	11 13	0 56	10 22	0 58	15 36	1 30	16 30	1 12	23 22	0 11	22 48	0 44	19 16	0 41	21 33	1 19	20 4	16 18	6 26	5 50	21 6	15 52	6 47
F 22	19 13	4 23	0n24	9 49	1 9	15 12	1 29	16 41	1 11	23 22	0 11	22 48	0 44	19 17	0 41	21 33	1 19	20 4	16 18	6 26	5 51	21 4	15 52	6 47
S 23	18 59	2n30	1 40	9 16	1 19	14 47	1 29	16 52	1 11	23 22	0 11	22 48	0 43	19 18	0 41	21 33	1 19	20 5	16 18	6 25	5 52	21 1	15 53	6 47
S 24	18 44	9 2	2 48	8 44	1 30	14 21	1 29	17 3	1 10	23 23	0 11	22 48	0 43	19 18	0 41	21 33	1 19	20 5	16 19	6 25	5 53	20 59	15 53	6 47
M25	18 30	14 58	3 45	8 13	1 41	13 56	1 28	17 13	1 9	23 23	0 11	22 48	0 43	19 19	0 41	21 33	1 19	20 6	16 19	6 25	5 55	20 56	15 54	6 46
T 26	18 15	20 3	4 28	7 43	1 52	13 30	1 28	17 24	1 8	23 23	0 11	22 48	0 43	19 20	0 41	21 33	1 19	20 6	16 19	6 24	5 56	20 54	15 54	6 46
W27	18 0	24 5	4 57	7 13	2 3	13 3	1 27	17 34	1 8	23 23	0 11	22 48	0 43	19 20	0 41	21 33	1 19	20 7	16 19	6 25	5 57	20 51	15 55	6 46
T 28	17 44	26 53	5 10	6 45	2 14	12 36	1 26	17 44	1 7	23 23	0 10	22 48	0 43	19 21	0 41	21 34	1 19	20 8	16 20	6 26	5 58	20 49	15 55	6 46
F 29	17 28	28 22	5 10	6 18	2 24	12 9	1 25	17 54	1 6	23 23	0 10	22 48	0 43	19 21	0 41	21 34	1 19	20 8	16 20	6 28	6 0	20 46	15 56	6 46
S 30	17 12	28 27	4 55	5 52	2 35	11 42	1 25	18 4	1 5	23 23	0 10	22 48	0 42	19 22	0 41	21 34	1 19	20 9	16 20	6 30	6 1	20 44	15 56	6 45
S 31	16n56	27n13	4n28	5n28	2s46	11n14	1n24	18n13	1s 5	23n23	0s10	22s48	0n42	19s23	0s41	21n34	1s19	20s 9	16s20	6s32	6s 2	20n41	15s57	6n45

Julian Day Number = 2114248.5, Delta T = 19m02s
Ecliptic obliquity = 23°33'41, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°52'00, Lahiri = 10°59'00 Julian Calendar 1 July 1076 == Greg. Calendar 7 July 1076

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1076
geocentric

AUGUST 1076 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 2 36	14♌12'19	26♋20	10♍ 8	5♍40	26♉15	0♋42	26°R16	6°R35	16♊38	16°R55	13°R24	14♓42	10♌ 2	15°R25	M 1
T 2	21 6 33	15°10'09	8♌10	10°39	6°53	26°51	0°54	26♐14	6♒33	16°39	16♓54	13♓19	14°39	10° 9	15♑23	T 2
W 3	21 10 29	16° 8'00	19°58	11° 5	8° 7	27°28	1° 5	26°12	6°30	16°41	16°53	13°16	14°36	10°15	15°20	W 3
T 4	21 14 26	17° 5'53	1♍48	11°26	9°21	28° 4	1°16	26°10	6°28	16°42	16°52	13°14	14°32	10°22	15°17	T 4
F 5	21 18 23	18° 3'47	13°41	11°43	10°34	28°40	1°28	26° 8	6°25	16°43	16°51	13°D13	14°29	10°29	15°14	F 5
S 6	21 22 19	19° 1'43	25°40	11°54	11°48	29°16	1°39	26° 6	6°23	16°44	16°50	13°14	14°26	10°35	15°12	S 6
S 7	21 26 16	19°59'40	7♎48	12° 0	13° 1	29°52	1°50	26° 4	6°21	16°46	16°49	13°15	14°23	10°42	15° 9	S 7
M 8	21 30 12	20°57'39	20° 8	12°R 0	14°15	0♊27	2° 1	26° 3	6°19	16°47	16°48	13°17	14°20	10°49	15° 6	M 8
T 9	21 34 9	21°55'39	2♏44	11°55	15°28	1° 2	2°12	26° 1	6°16	16°48	16°47	13°18	14°17	10°55	15° 4	T 9
W10	21 38 5	22°53'40	15°39	11°43	16°42	1°38	2°23	26° 0	6°14	16°49	16°46	13°19	14°13	11° 2	15° 1	W10
T 11	21 42 2	23°51'43	28°57	11°25	17°55	2°12	2°34	25°58	6°12	16°50	16°45	13°R19	14°10	11° 9	14°59	T 11
F 12	21 45 58	24°49'47	12♐39	11° 1	19° 9	2°47	2°44	25°57	6° 9	16°51	16°44	13°19	14° 7	11°15	14°57	F 12
S 13	21 49 55	25°47'53	26°48	10°31	20°22	3°22	2°55	25°56	6° 7	16°52	16°43	13°17	14° 4	11°22	14°54	S 13
S 14	21 53 52	26°46'00	11♑21	9°55	21°36	3°56	3° 6	25°55	6° 5	16°53	16°42	13°15	14° 1	11°29	14°52	S 14
M15	21 57 48	27°44'09	26°13	9°13	22°49	4°30	3°16	25°54	6° 3	16°54	16°40	13°13	13°57	11°35	14°50	M15
T 16	22 1 45	28°42'19	11♒20	8°26	24° 3	5° 4	3°26	25°53	6° 1	16°55	16°39	13°11	13°54	11°42	14°48	T 16
W17	22 5 41	29°40'31	26°30	7°35	25°16	5°38	3°37	25°52	5°59	16°56	16°38	13°10	13°51	11°49	14°46	W17
T 18	22 9 38	0♍38'44	11♓35	6°39	26°30	6°11	3°47	25°52	5°56	16°57	16°37	13°D10	13°48	11°55	14°44	T 18
F 19	22 13 34	1°37'00	26°27	5°41	27°43	6°44	3°57	25°51	5°54	16°58	16°36	13°10	13°45	12° 2	14°42	F 19
S 20	22 17 31	2°35'17	10♈57	4°41	28°56	7°17	4° 7	25°51	5°52	16°59	16°35	13°11	13°42	12° 9	14°40	S 20
S 21	22 21 27	3°33'37	25° 2	3°41	0♎10	7°50	4°16	25°50	5°50	17° 0	16°34	13°12	13°38	12°15	14°38	S 21
M22	22 25 24	4°31'58	8♉41	2°41	1°23	8°23	4°26	25°50	5°48	17° 0	16°32	13°12	13°35	12°22	14°36	M22
T 23	22 29 21	5°30'22	21°53	1°44	2°36	8°55	4°36	25°50	5°46	17° 1	16°31	13°13	13°32	12°29	14°34	T 23
W24	22 33 17	6°28'48	4♊42	0°51	3°50	9°27	4°45	25°49	5°44	17° 2	16°30	13°R13	13°29	12°35	14°33	W24
T 25	22 37 14	7°27'17	17°11	0° 2	5° 3	9°59	4°55	25°D49	5°42	17° 3	16°29	13°13	13°26	12°42	14°31	T 25
F 26	22 41 10	8°25'47	29°23	29♌20	6°16	10°30	5° 4	25°50	5°40	17° 3	16°28	13°13	13°22	12°49	14°30	F 26
S 27	22 45 7	9°24'20	11♋24	28°46	7°30	11° 2	5°13	25°50	5°39	17° 4	16°26	13°12	13°19	12°55	14°28	S 27
S 28	22 49 3	10°22'55	23°17	28°19	8°43	11°33	5°22	25°50	5°37	17° 4	16°25	13°12	13°16	13° 2	14°27	S 28
M29	22 53 0	11°21'32	5♌ 6	28° 1	9°56	12° 4	5°31	25°50	5°35	17° 5	16°24	13°12	13°13	13° 9	14°26	M29
T 30	22 56 56	12°20'11	16°54	27°D53	11° 9	12°34	5°40	25°51	5°33	17° 6	16°23	13°11	13°10	13°15	14°24	T 30
W31	23 0 53	13♍18'52	28♌45	27♌55	12♎23	13♊ 4	5♋49	25♐51	5♒31	17♊ 6	16♓22	13°D11	13♓ 7	13♌22	14♑23	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n39	24n44	3n49	5n 5	2s56	10n46	1n23	18n23	1s 4	23n23	0s10	22s48	0n42	19s23	0s41	21n34	1s20	20s10	16s21	6s34	6s 3	20n39	15s58	6n45
T 2	16 22	21 13	3 1	4 44	3 7	10 17	1 22	18 32	1 3	23 23	0 10	22 48	0 42	19 24	0 41	21 34	1 20	20 11	16 21	6 35	6 5	20 36	15 58	6 45
W 3	16 5	16 52	2 4	4 25	3 17	9 49	1 21	18 41	1 2	23 23	0 10	22 48	0 42	19 24	0 41	21 34	1 20	20 11	16 21	6 37	6 6	20 34	15 59	6 44
T 4	15 47	11 52	1 2	4 8	3 27	9 20	1 19	18 50	1 1	23 23	0 10	22 49	0 42	19 25	0 41	21 34	1 20	20 12	16 21	6 37	6 7	20 31	15 59	6 44
F 5	15 30	6 25	0s 3	3 53	3 36	8 51	1 18	18 59	1 0	23 23	0 10	22 49	0 42	19 26	0 41	21 34	1 20	20 12	16 21	6 38	6 8	20 28	16 0	6 44
S 6	15 12	0 42	1 8	3 40	3 45	8 21	1 17	19 8	1 0	23 23	0 10	22 49	0 41	19 26	0 41	21 35	1 20	20 13	16 22	6 37	6 9	20 26	16 0	6 44
S 7	14 53	5s 7	2 11	3 30	3 53	7 52	1 16	19 16	0 59	23 23	0 10	22 49	0 41	19 27	0 41	21 35	1 20	20 13	16 22	6 37	6 11	20 23	16 1	6 43
M 8	14 35	10 50	3 10	3 23	4 1	7 22	1 14	19 24	0 58	23 23	0 10	22 49	0 41	19 27	0 41	21 35	1 20	20 14	16 22	6 36	6 12	20 21	16 2	6 43
T 9	14 16	16 14	4 0	3 19	4 7	6 52	1 13	19 33	0 57	23 23	0 9	22 49	0 41	19 28	0 41	21 35	1 20	20 15	16 22	6 36	6 13	20 18	16 2	6 43
W10	13 57	21 4	4 40	3 18	4 13	6 22	1 11	19 41	0 56	23 23	0 9	22 49	0 41	19 28	0 41	21 35	1 20	20 15	16 22	6 35	6 14	20 16	16 3	6 42
T 11	13 38	25 0	5 6	3 20	4 18	5 52	1 9	19 49	0 55	23 23	0 9	22 49	0 41	19 29	0 41	21 35	1 20	20 16	16 22	6 35	6 16	20 13	16 3	6 42
F 12	13 19	27 39	5 16	3 26	4 22	5 21	1 8	19 56	0 54	23 23	0 9	22 49	0 41	19 30	0 41	21 35	1 20	20 16	16 23	6 36	6 17	20 11	16 4	6 42
S 13	12 59	28 38	5 7	3 36	4 24	4 51	1 6	20 4	0 53	23 23	0 9	22 49	0 41	19 30	0 41	21 35	1 20	20 17	16 23	6 36	6 18	20 8	16 4	6 41
S 14	12 39	27 42	4 39	3 48	4 24	4 20	1 4	20 11	0 52	23 22	0 9	22 50	0 40	19 31	0 41	21 35	1 20	20 18	16 23	6 37	6 19	20 5	16 5	6 41
M15	12 19	24 48	3 51	4 5	4 23	3 49	1 2	20 19	0 51	23 22	0 9	22 50	0 40	19 31	0 41	21 35	1 20	20 18	16 23	6 38	6 21	20 3	16 6	6 41
T 16	11 59	20 9	2 47	4 25	4 21	3 18	1 0	20 26	0 50	23 22	0 9	22 50	0 40	19 32	0 41	21 35	1 20	20 19	16 23	6 38	6 22	20 0	16 6	6 40
W17	11 39	14 10	1 31	4 48	4 16	2 47	0 58	20 33	0 49	23 22	0 9	22 50	0 40	19 32	0 41	21 35	1 20	20 19	16 23	6 39	6 23	19 58	16 7	6 40
T 18	11 18	7 23	0 9	5 15	4 10	2 16	0 56	20 40	0 48	23 22	0 9	22 50	0 40	19 33	0 41	21 35	1 20	20 20	16 23	6 39	6 24	19 55	16 7	6 40
F 19	10 57	0 18	1n13	5 44	4 1	1 44	0 54	20 46	0 47	23 22	0 9	22 50	0 40	19 33	0 41	21 35	1 20	20 20	16 24	6 39	6 25	19 52	16 8	6 39
S 20	10 36	6n37	2 28	6 16	3 51	1 13	0 52	20 53	0 46	23 21	0 9	22 50	0 40	19 34	0 41	21 35	1 20	20 21	16 24	6 39	6 27	19 50	16 8	6 39
S 21	10 15	13 1	3 32	6 49	3 38	0 42	0 50	20 59	0 45	23 21	0 8	22 50	0 39	19 34	0 41	21 36	1 20	20 21	16 24	6 38	6 28	19 47	16 9	6 39
M22	9 54	18 35	4 22	7 24	3 24	0 10	0 47	21 5	0 44	23 21	0 8	22 51	0 39	19 35	0 41	21 36	1 20	20 22	16 24	6 38	6 29	19 44	16 10	6 38
T 23	9 32	23 5	4 56	7 59	3 9	0s21	0 45	21 12	0 43	23 21	0 8	22 51	0 39	19 35	0 41	21 36	1 20	20 23	16 24	6 38	6 30	19 42	16 10	6 38
W24	9 11	26 19	5 14	8 33	2 52	0 53	0 43	21 18	0 42	23 20	0 8	22 51	0 39	19 36	0 41	21 36	1 20	20 23	16 24	6 38	6 32	19 39	16 11	6 37
T 25	8 49	28 11	5 17	9 7	2 34	1 24	0 40	21 23	0 41	23 20	0 8	22 51	0 39	19 36	0 41	21 36	1 20	20 24	16 24	6 38	6 33	19 37	16 11	6 37
F 26	8 27	28 38	5 5	9 40	2 15	1 55	0 38	21 29	0 39	23 20	0 8	22 51	0 39	19 37	0 41	21 36	1 20	20 24	16 24	6 38	6 34	19 34	16 12	6 37
S 27	8 5	27 43	4 40	10 10	1 55	2 27	0 35	21 35	0 38	23 20	0 8	22 51	0 39	19 37	0 41	21 36	1 20	20 25	16 24	6 38	6 35	19 31	16 12	6 36
S 28	7 43	25 32	4 3	10 37	1 36	2 58	0 33	21 40	0 37	23 19	0 8	22 51	0 38	19 37	0 41	21 36	1 20	20 25	16 24	6 38	6 36	19 29	16 13	6 36
M29	7 20	22 16	3 16	11 2	1 16	3 30	0 30	21 46	0 36	23 19	0 8	22 52	0 38	19 38	0 41	21 36	1 20	20 26	16 24	6 38	6 38	19 26	16 13	6 35
T 30	6 58	18 5	2 21	11 23	0 57	4 1	0 28	21 51	0 35	23 19	0 8	22 52	0 38	19 38	0 41	21 36	1 21	20 26	16 24	6 38	6 39	19 23	16 14	6 35
W31	6n35	13n12	1n19	11n40	0s38	4s32	0n25	21n56	0s33	23n18	0s 8	22s52	0n38	19s39	0s41	21n36	1s21	20s27	16s24	6s38	6s40	19n21	16s15	6n34

Julian Day Number = 2114279.5, Delta T = 19m01s
Ecliptic obliquity = 23°33'41, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°52'04, Lahiri = 10°59'05 Julian Calendar 1 Aug. 1076 == Greg. Calendar 7 Aug. 1076

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1076
geocentric

SEPTEMBER 1076 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 4 50	14♍17'35	10♍40	28♌ 6	13♎36	13♊34	5♋57	25♐52	5°R30	17♊ 6	16°R20	13°R11	13♓ 3	13♌29	14°R22	T 1
F 2	23 8 46	15°16'20	22°42	28°27	14°49	14° 4	6° 6	25°53	5♒28	17° 7	16♓19	13♓11	13° 0	13°35	14♑21	F 2
S 3	23 12 43	16°15'07	4♎53	28°57	16° 2	14°33	6°14	25°54	5°26	17° 7	16°18	13°11	12°57	13°42	14°20	S 3
S 4	23 16 39	17°13'57	17°14	29°37	17°15	15° 2	6°22	25°55	5°25	17° 8	16°17	13°11	12°54	13°49	14°19	S 4
M 5	23 20 36	18°12'48	29°47	0♍25	18°28	15°31	6°30	25°56	5°23	17° 8	16°16	13°10	12°51	13°55	14°19	M 5
T 6	23 24 32	19°11'40	12♏34	1°21	19°42	15°59	6°38	25°57	5°22	17° 8	16°14	13°10	12°48	14° 2	14°18	T 6
W 7	23 28 29	20°10'35	25°37	2°24	20°55	16°27	6°46	25°58	5°20	17° 8	16°13	13° 9	12°44	14° 9	14°17	W 7
T 8	23 32 25	21° 9'32	8♐56	3°34	22° 8	16°55	6°53	26° 0	5°19	17° 9	16°12	13° 8	12°41	14°15	14°17	T 8
F 9	23 36 22	22° 8'30	22°35	4°50	23°21	17°23	7° 1	26° 1	5°17	17° 9	16°11	13°D 8	12°38	14°22	14°16	F 9
S 10	23 40 19	23° 7'31	6♑32	6°11	24°34	17°50	7° 8	26° 3	5°16	17° 9	16°10	13° 8	12°35	14°29	14°16	S 10
S 11	23 44 15	24° 6'33	20°48	7°37	25°47	18°16	7°15	26° 4	5°15	17° 9	16° 8	13° 9	12°32	14°35	14°15	S 11
M12	23 48 12	25° 5'37	5♒20	9° 8	27° 0	18°43	7°22	26° 6	5°13	17° 9	16° 7	13°10	12°28	14°42	14°15	M12
T 13	23 52 8	26° 4'42	20° 5	10°41	28°13	19° 9	7°29	26° 8	5°12	17° 9	16° 6	13°11	12°25	14°48	14°15	T 13
W14	23 56 5	27° 3'49	4♓56	12°17	29°26	19°34	7°36	26°10	5°11	17°R 9	16° 5	13°12	12°22	14°55	14°15	W14
T 15	0 0 1	28° 2'59	19°47	13°56	0♏38	20° 0	7°43	26°12	5°10	17° 9	16° 4	13°R12	12°19	15° 2	14°D15	T 15
F 16	0 3 58	29° 2'10	4♈31	15°37	1°51	20°25	7°49	26°14	5° 9	17° 9	16° 3	13°11	12°16	15° 8	14°15	F 16
S 17	0 7 54	0♎ 1'23	18°59	17°19	3° 4	20°49	7°55	26°16	5° 8	17° 9	16° 1	13° 9	12°13	15°15	14°15	S 17
S 18	0 11 51	1° 0'39	3♉ 7	19° 2	4°17	21°13	8° 2	26°19	5° 7	17° 9	16° 0	13° 7	12° 9	15°22	14°15	S 18
M19	0 15 48	1°59'57	16°50	20°46	5°30	21°37	8° 8	26°21	5° 6	17° 9	15°59	13° 4	12° 6	15°28	14°15	M19
T 20	0 19 44	2°59'17	0♊ 8	22°31	6°43	22° 0	8°13	26°23	5° 5	17° 9	15°58	13° 2	12° 3	15°35	14°16	T 20
W21	0 23 41	3°58'40	13° 2	24°16	7°55	22°23	8°19	26°26	5° 4	17° 8	15°57	13° 0	12° 0	15°42	14°16	W21
T 22	0 27 37	4°58'05	25°34	26° 1	9° 8	22°46	8°25	26°29	5° 3	17° 8	15°56	12°58	11°57	15°48	14°17	T 22
F 23	0 31 34	5°57'32	7♋47	27°46	10°21	23° 8	8°30	26°32	5° 2	17° 8	15°55	12°D58	11°54	15°55	14°17	F 23
S 24	0 35 30	6°57'02	19°48	29°31	11°33	23°29	8°35	26°34	5° 1	17° 8	15°53	12°59	11°50	16° 2	14°18	S 24
S 25	0 39 27	7°56'34	1♌40	1♎16	12°46	23°50	8°40	26°37	5° 1	17° 7	15°52	13° 0	11°47	16° 8	14°19	S 25
M26	0 43 23	8°56'09	13°28	3° 0	13°59	24°11	8°45	26°40	5° 0	17° 7	15°51	13° 2	11°44	16°15	14°19	M26
T 27	0 47 20	9°55'45	25°17	4°44	15°11	24°31	8°50	26°44	4°59	17° 6	15°50	13° 4	11°41	16°22	14°20	T 27
W28	0 51 17	10°55'24	7♍12	6°27	16°24	24°51	8°54	26°47	4°59	17° 6	15°49	13°R 5	11°38	16°28	14°21	W28
T 29	0 55 13	11°55'05	19°14	8°10	17°36	25°10	8°59	26°50	4°58	17° 5	15°48	13° 5	11°34	16°35	14°22	T 29
F 30	0 59 10	12♎54'48	1♎27	9♎53	18♏49	25♊28	9♋ 3	26♐53	4♒58	17♊ 5	15♓47	13♓ 3	11♓31	16♌42	14♑23	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n13	7n49	0n14	11n53	0s20	5s 3	0n22	22n 1	0s32	23n18	0s 7	22s52	0n38	19s39	0s41	21n36	1s21	20s27	16s25	6s38	6s41	19n18	16s15	6n34
F 2	5 50	2 6	0s53	12 2	0 3	5 34	0 19	22 6	0 31	23 18	0 7	22 52	0 38	19 40	0 41	21 36	1 21	20 28	16 25	6 38	6 43	19 15	16 16	6 34
S 3	5 27	3s45	1 58	12 6	0n13	6 5	0 17	22 10	0 30	23 18	0 7	22 52	0 38	19 40	0 41	21 36	1 21	20 28	16 25	6 38	6 44	19 13	16 16	6 33
S 4	5 4	9 32	2 58	12 7	0 29	6 36	0 14	22 15	0 28	23 17	0 7	22 53	0 37	19 40	0 41	21 36	1 21	20 29	16 25	6 38	6 45	19 10	16 17	6 33
M 5	4 41	15 3	3 51	12 3	0 42	7 7	0 11	22 19	0 27	23 17	0 7	22 53	0 37	19 41	0 41	21 36	1 21	20 29	16 25	6 39	6 46	19 7	16 17	6 32
T 6	4 18	20 1	4 33	11 54	0 55	7 37	0 8	22 24	0 26	23 17	0 7	22 53	0 37	19 41	0 41	21 36	1 21	20 30	16 25	6 39	6 47	19 4	16 18	6 32
W 7	3 55	24 9	5 2	11 42	1 6	8 7	0 5	22 28	0 24	23 16	0 7	22 53	0 37	19 41	0 41	21 36	1 21	20 30	16 25	6 39	6 49	19 2	16 18	6 31
T 8	3 31	27 6	5 16	11 26	1 16	8 38	0 2	22 32	0 23	23 16	0 7	22 53	0 37	19 42	0 41	21 36	1 21	20 31	16 25	6 39	6 50	18 59	16 19	6 31
F 9	3 8	28 33	5 13	11 6	1 25	9 8	0s 1	22 36	0 21	23 16	0 7	22 53	0 37	19 42	0 41	21 36	1 21	20 31	16 25	6 40	6 51	18 56	16 19	6 31
S 10	2 45	28 15	4 51	10 43	1 33	9 38	0 4	22 40	0 20	23 16	0 7	22 54	0 37	19 42	0 41	21 36	1 21	20 32	16 24	6 39	6 52	18 54	16 20	6 30
S 11	2 21	26 5	4 11	10 17	1 39	10 7	0 7	22 44	0 19	23 15	0 6	22 54	0 36	19 43	0 41	21 36	1 21	20 32	16 24	6 39	6 54	18 51	16 20	6 30
M12	1 58	22 11	3 15	9 48	1 44	10 37	0 10	22 48	0 17	23 15	0 6	22 54	0 36	19 43	0 41	21 36	1 21	20 33	16 24	6 39	6 55	18 48	16 21	6 29
T 13	1 34	16 50	2 5	9 16	1 48	11 6	0 13	22 51	0 16	23 15	0 6	22 54	0 36	19 43	0 41	21 36	1 21	20 33	16 24	6 38	6 56	18 45	16 21	6 29
W14	1 10	10 27	0 46	8 42	1 52	11 35	0 16	22 55	0 14	23 14	0 6	22 54	0 36	19 43	0 41	21 36	1 21	20 33	16 24	6 38	6 57	18 43	16 22	6 28
T 15	0 47	3 30	0n36	8 6	1 54	12 3	0 19	22 58	0 13	23 14	0 6	22 55	0 36	19 44	0 41	21 36	1 21	20 34	16 24	6 38	6 58	18 40	16 22	6 28
F 16	0 23	3n34	1 55	7 28	1 55	12 32	0 22	23 2	0 11	23 14	0 6	22 55	0 36	19 44	0 41	21 35	1 21	20 34	16 24	6 39	7 0	18 37	16 23	6 27
S 17	0s 1	10 19	3 5	6 48	1 55	13 0	0 26	23 5	0 9	23 14	0 6	22 55	0 36	19 44	0 40	21 35	1 21	20 35	16 24	6 39	7 1	18 35	16 23	6 27
S 18	0 24	16 24	4 2	6 7	1 55	13 28	0 29	23 8	0 8	23 13	0 6	22 55	0 35	19 44	0 40	21 35	1 21	20 35	16 24	6 40	7 2	18 32	16 23	6 26
M19	0 48	21 28	4 43	5 25	1 54	13 55	0 32	23 11	0 6	23 13	0 6	22 55	0 35	19 45	0 40	21 35	1 21	20 35	16 24	6 41	7 3	18 29	16 24	6 26
T 20	1 12	25 17	5 7	4 42	1 52	14 22	0 35	23 15	0 5	23 13	0 6	22 56	0 35	19 45	0 40	21 35	1 21	20 36	16 24	6 42	7 5	18 26	16 24	6 25
W21	1 35	27 41	5 15	3 58	1 50	14 49	0 38	23 18	0 3	23 12	0 5	22 56	0 35	19 45	0 40	21 35	1 21	20 36	16 24	6 43	7 6	18 24	16 25	6 25
T 22	1 59	28 37	5 8	3 14	1 47	15 16	0 41	23 20	0 1	23 12	0 5	22 56	0 35	19 45	0 40	21 35	1 21	20 36	16 24	6 43	7 7	18 21	16 25	6 25
F 23	2 23	28 6	4 46	2 29	1 44	15 42	0 44	23 23	0n 0	23 12	0 5	22 56	0 35	19 45	0 40	21 35	1 21	20 37	16 24	6 43	7 8	18 18	16 26	6 24
S 24	2 46	26 15	4 13	1 43	1 40	16 8	0 48	23 26	0 2	23 12	0 5	22 56	0 35	19 46	0 40	21 35	1 21	20 37	16 23	6 43	7 9	18 15	16 26	6 24
S 25	3 10	23 17	3 29	0 58	1 36	16 33	0 51	23 29	0 4	23 12	0 5	22 57	0 34	19 46	0 40	21 35	1 21	20 37	16 23	6 43	7 11	18 12	16 26	6 23
M26	3 34	19 21	2 36	0 12	1 32	16 58	0 54	23 32	0 6	23 11	0 5	22 57	0 34	19 46	0 40	21 35	1 22	20 38	16 23	6 42	7 12	18 10	16 27	6 23
T 27	3 57	14 40	1 36	0s34	1 27	17 23	0 57	23 34	0 8	23 11	0 5	22 57	0 34	19 46	0 40	21 35	1 22	20 38	16 23	6 41	7 13	18 7	16 27	6 22
W28	4 21	9 25	0 32	1 20	1 22	17 47	1 0	23 37	0 9	23 11	0 5	22 57	0 34	19 46	0 40	21 35	1 22	20 38	16 23	6 41	7 14	18 4	16 27	6 22
T 29	4 44	3 46	0s34	2 5	1 16	18 11	1 3	23 40	0 11	23 11	0 5	22 57	0 34	19 46	0 40	21 35	1 22	20 39	16 23	6 41	7 16	18 1	16 28	6 21
F 30	5s 8	2s 6	1s39	2s51	1n11	18s34	1s 6	23n42	0n13	23n11	0s 5	22s58	0n34	19s46	0s40	21n35	1s22	20s39	16s23	6s42	7s17	17n59	16s28	6n21

Julian Day Number = 2114310.5, Delta T = 19m01s
Ecliptic obliquity = 23°33'42, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°52'08, Lahiri = 10°59'09 Julian Calendar 1 Sept. 1076 == Greg. Calendar 7 Sept. 1076

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1076
geocentric

OCTOBER 1076 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 3 6	13♎54'33	13♎54	11♎35	20♏ 1	25♊46	9♋ 7	26♐57	4°R57	17°R 4	15°R46	13°R 0	11♓28	16♌48	14♑24	S 1
S 2	1 7 3	14°54'20	26°33	13°16	21°14	26° 4	9°10	27° 0	4♒57	17♊ 4	15♓45	12♓56	11°25	16°55	14°26	S 2
M 3	1 10 59	15°54'09	9♏27	14°57	22°26	26°21	9°14	27° 4	4°57	17° 3	15°44	12°50	11°22	17° 2	14°27	M 3
T 4	1 14 56	16°54'01	22°35	16°37	23°39	26°37	9°17	27° 8	4°57	17° 3	15°43	12°44	11°19	17° 8	14°28	T 4
W 5	1 18 52	17°53'54	5♐55	18°17	24°51	26°53	9°21	27°12	4°56	17° 2	15°42	12°39	11°15	17°15	14°30	W 5
T 6	1 22 49	18°53'49	19°28	19°56	26° 3	27° 8	9°24	27°16	4°56	17° 1	15°41	12°34	11°12	17°22	14°31	T 6
F 7	1 26 45	19°53'45	3♑11	21°35	27°15	27°23	9°27	27°20	4°56	17° 0	15°40	12°31	11° 9	17°28	14°33	F 7
S 8	1 30 42	20°53'44	17° 6	23°13	28°28	27°37	9°29	27°24	4°56	17° 0	15°39	12°D30	11° 6	17°35	14°35	S 8
S 9	1 34 39	21°53'43	1♒11	24°50	29°40	27°51	9°32	27°28	4°D56	16°59	15°38	12°31	11° 3	17°42	14°36	S 9
M10	1 38 35	22°53'45	15°24	26°27	0♐52	28° 3	9°34	27°32	4°56	16°58	15°37	12°32	11° 0	17°48	14°38	M10
T 11	1 42 32	23°53'48	29°45	28° 4	2° 4	28°16	9°36	27°36	4°56	16°57	15°36	12°33	10°56	17°55	14°40	T 11
W12	1 46 28	24°53'53	14♓ 9	29°40	3°16	28°27	9°38	27°41	4°56	16°56	15°35	12°R34	10°53	18° 2	14°42	W12
T 13	1 50 25	25°53'59	28°35	1♏15	4°28	28°38	9°40	27°45	4°57	16°55	15°34	12°32	10°50	18° 8	14°44	T 13
F 14	1 54 21	26°54'07	12♈56	2°50	5°40	28°48	9°41	27°50	4°57	16°54	15°34	12°29	10°47	18°15	14°46	F 14
S 15	1 58 18	27°54'17	27° 8	4°25	6°52	28°58	9°43	27°54	4°57	16°53	15°33	12°24	10°44	18°22	14°48	S 15
S 16	2 2 14	28°54'28	11♉ 5	5°59	8° 4	29° 6	9°44	27°59	4°57	16°52	15°32	12°17	10°40	18°28	14°51	S 16
M17	2 6 11	29°54'42	24°44	7°33	9°16	29°14	9°45	28° 4	4°58	16°51	15°31	12° 8	10°37	18°35	14°53	M17
T 18	2 10 8	0♏54'58	8♊ 0	9° 7	10°28	29°22	9°46	28° 8	4°58	16°50	15°30	12° 0	10°34	18°42	14°55	T 18
W19	2 14 4	1°55'15	20°55	10°40	11°39	29°28	9°46	28°13	4°59	16°49	15°29	11°52	10°31	18°48	14°58	W19
T 20	2 18 1	2°55'35	3♋28	12°13	12°51	29°34	9°46	28°18	4°59	16°48	15°29	11°46	10°28	18°55	15° 0	T 20
F 21	2 21 57	3°55'56	15°44	13°45	14° 3	29°39	9°R47	28°23	5° 0	16°47	15°28	11°42	10°25	19° 2	15° 3	F 21
S 22	2 25 54	4°56'20	27°45	15°17	15°14	29°44	9°47	28°28	5° 1	16°46	15°27	11°40	10°21	19° 8	15° 6	S 22
S 23	2 29 50	5°56'45	9♌37	16°49	16°26	29°47	9°46	28°33	5° 1	16°45	15°27	11°D40	10°18	19°15	15° 8	S 23
M24	2 33 47	6°57'13	21°25	18°21	17°37	29°50	9°46	28°39	5° 2	16°44	15°26	11°41	10°15	19°21	15°11	M24
T 25	2 37 43	7°57'42	3♍15	19°52	18°48	29°52	9°45	28°44	5° 3	16°42	15°25	11°42	10°12	19°28	15°14	T 25
W26	2 41 40	8°58'13	15°12	21°23	20° 0	29°53	9°44	28°49	5° 4	16°41	15°25	11°R42	10° 9	19°35	15°17	W26
T 27	2 45 37	9°58'46	27°19	22°53	21°11	29°R53	9°43	28°55	5° 5	16°40	15°24	11°40	10° 5	19°41	15°20	T 27
F 28	2 49 33	10°59'21	9♎42	24°24	22°22	29°53	9°42	29° 0	5° 6	16°38	15°23	11°37	10° 2	19°48	15°23	F 28
S 29	2 53 30	11°59'57	22°22	25°54	23°33	29°51	9°41	29° 6	5° 7	16°37	15°23	11°30	9°59	19°55	15°26	S 29
S 30	2 57 26	13° 0'35	5♏21	27°23	24°44	29°49	9°39	29°11	5° 8	16°36	15°22	11°22	9°56	20° 1	15°29	S 30
M31	3 1 23	14♏ 1'15	18♏38	28♏52	25♐55	29♊46	9♋37	29♐17	5♒ 9	16♊34	15♓22	11♓11	9♓53	20♌ 8	15♑32	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s31	7s58	2s41	3s36	1n 5	18s57	1s 9	23n45	0n15	23n10	0s 4	22s58	0n34	19s46	0s40	21n34	1s22	20s39	16s22	6s43	7s18	17n56	16s28	6n20
S 2	5 54	13 38	3 36	4 22	0 59	19 19	1 12	23 47	0 17	23 10	0 4	22 58	0 34	19 46	0 40	21 34	1 22	20 39	16 22	6 44	7 19	17 53	16 29	6 20
M 3	6 17	18 49	4 20	5 7	0 53	19 41	1 15	23 50	0 19	23 10	0 4	22 58	0 33	19 46	0 40	21 34	1 22	20 40	16 22	6 46	7 20	17 50	16 29	6 19
T 4	6 40	23 13	4 52	5 51	0 46	20 2	1 18	23 52	0 21	23 10	0 4	22 58	0 33	19 46	0 40	21 34	1 22	20 40	16 22	6 49	7 22	17 47	16 29	6 19
W 5	7 3	26 28	5 9	6 35	0 40	20 23	1 21	23 54	0 23	23 10	0 4	22 59	0 33	19 47	0 40	21 34	1 22	20 40	16 22	6 51	7 23	17 44	16 30	6 19
T 6	7 26	28 16	5 9	7 19	0 34	20 44	1 24	23 57	0 25	23 10	0 4	22 59	0 33	19 47	0 40	21 34	1 22	20 40	16 22	6 53	7 24	17 42	16 30	6 18
F 7	7 49	28 23	4 51	8 2	0 27	21 3	1 27	23 59	0 27	23 10	0 4	22 59	0 33	19 47	0 40	21 34	1 22	20 41	16 21	6 54	7 25	17 39	16 30	6 18
S 8	8 12	26 42	4 16	8 45	0 21	21 23	1 30	24 2	0 29	23 10	0 4	22 59	0 33	19 46	0 40	21 34	1 22	20 41	16 21	6 54	7 26	17 36	16 31	6 17
S 9	8 34	23 21	3 26	9 27	0 14	21 41	1 33	24 4	0 31	23 10	0 4	23 0	0 33	19 46	0 40	21 34	1 22	20 41	16 21	6 54	7 28	17 33	16 31	6 17
M10	8 57	18 34	2 22	10 9	0 7	22 0	1 35	24 6	0 34	23 9	0 3	23 0	0 33	19 46	0 40	21 34	1 22	20 41	16 21	6 54	7 29	17 30	16 31	6 16
T 11	9 19	12 42	1 9	10 50	0 1	22 17	1 38	24 9	0 36	23 9	0 3	23 0	0 32	19 46	0 40	21 33	1 22	20 41	16 21	6 53	7 30	17 27	16 31	6 16
W12	9 41	6 8	0n 9	11 30	0s 6	22 34	1 41	24 11	0 38	23 9	0 3	23 0	0 32	19 46	0 40	21 33	1 22	20 41	16 20	6 53	7 31	17 25	16 32	6 15
T 13	10 3	0n45	1 26	12 10	0 13	22 50	1 44	24 14	0 40	23 9	0 3	23 0	0 32	19 46	0 40	21 33	1 22	20 42	16 20	6 53	7 32	17 22	16 32	6 15
F 14	10 25	7 32	2 37	12 49	0 20	23 6	1 46	24 16	0 43	23 9	0 3	23 1	0 32	19 46	0 40	21 33	1 22	20 42	16 20	6 55	7 34	17 19	16 32	6 14
S 15	10 47	13 53	3 37	13 28	0 26	23 21	1 49	24 18	0 45	23 9	0 3	23 1	0 32	19 46	0 40	21 33	1 22	20 42	16 20	6 57	7 35	17 16	16 32	6 14
S 16	11 8	19 24	4 23	14 6	0 33	23 36	1 51	24 21	0 47	23 9	0 3	23 1	0 32	19 46	0 40	21 33	1 22	20 42	16 19	6 59	7 36	17 13	16 32	6 14
M17	11 30	23 47	4 53	14 43	0 39	23 49	1 54	24 23	0 50	23 10	0 3	23 1	0 32	19 46	0 40	21 33	1 22	20 42	16 19	7 2	7 37	17 10	16 33	6 13
T 18	11 51	26 48	5 7	15 20	0 46	24 3	1 56	24 26	0 52	23 10	0 2	23 1	0 32	19 46	0 40	21 33	1 22	20 42	16 19	7 6	7 39	17 7	16 33	6 13
W19	12 12	28 18	5 4	15 55	0 52	24 15	1 58	24 28	0 55	23 10	0 2	23 1	0 32	19 46	0 40	21 32	1 22	20 42	16 19	7 9	7 40	17 5	16 33	6 12
T 20	12 33	28 17	4 46	16 30	0 58	24 27	2 1	24 31	0 57	23 10	0 2	23 2	0 31	19 45	0 40	21 32	1 22	20 42	16 18	7 11	7 41	17 2	16 33	6 12
F 21	12 54	26 51	4 15	17 4	1 5	24 38	2 3	24 33	1 0	23 10	0 2	23 2	0 31	19 45	0 40	21 32	1 22	20 42	16 18	7 13	7 42	16 59	16 33	6 12
S 22	13 14	24 12	3 34	17 38	1 11	24 49	2 5	24 36	1 2	23 10	0 2	23 2	0 31	19 45	0 39	21 32	1 22	20 42	16 18	7 13	7 43	16 56	16 33	6 11
S 23	13 34	20 34	2 44	18 10	1 17	24 58	2 7	24 38	1 5	23 10	0 2	23 2	0 31	19 45	0 39	21 32	1 22	20 42	16 18	7 13	7 45	16 53	16 33	6 11
M24	13 54	16 7	1 47	18 42	1 22	25 7	2 9	24 41	1 7	23 10	0 2	23 2	0 31	19 45	0 39	21 32	1 22	20 42	16 17	7 13	7 46	16 50	16 34	6 10
T 25	14 14	11 4	0 45	19 12	1 28	25 16	2 11	24 44	1 10	23 10	0 2	23 2	0 31	19 44	0 39	21 32	1 22	20 42	16 17	7 13	7 47	16 47	16 34	6 10
W26	14 34	5 34	0s19	19 42	1 33	25 23	2 13	24 46	1 13	23 11	0 1	23 3	0 31	19 44	0 39	21 31	1 22	20 42	16 17	7 13	7 48	16 44	16 34	6 9
T 27	14 53	0s12	1 23	20 11	1 39	25 30	2 15	24 49	1 15	23 11	0 1	23 3	0 31	19 44	0 39	21 31	1 22	20 42	16 16	7 13	7 49	16 42	16 34	6 9
F 28	15 12	6 4	2 24	20 39	1 44	25 36	2 16	24 52	1 18	23 11	0 1	23 3	0 31	19 44	0 39	21 31	1 22	20 42	16 16	7 15	7 51	16 39	16 34	6 9
S 29	15 31	11 50	3 19	21 5	1 49	25 42	2 18	24 54	1 21	23 11	0 1	23 3	0 30	19 43	0 39	21 31	1 22	20 42	16 16	7 17	7 52	16 36	16 34	6 8
S 30	15 49	17 14	4 6	21 31	1 54	25 47	2 19	24 57	1 24	23 12	0 1	23 3	0 30	19 43	0 39	21 31	1 22	20 42	16 16	7 20	7 53	16 33	16 34	6 8
M31	16s 8	21s56	4s40	21s56	1s58	25s51	2s21	25n 0	1n26	23n12	0s 1	23s 3	0n30	19s43	0s39	21n31	1s23	20s42	16s15	7s24	7s54	16n30	16s34	6n 8

Julian Day Number = 2114340.5, Delta T = 19m01s
Ecliptic obliquity = 23°33'41, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°52'12, Lahiri = 10°59'13 Julian Calendar 1 Oct. 1076 == Greg. Calendar 7 Oct. 1076

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1076
geocentric

NOVEMBER 1076 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 5 19	15♏ 1'56	2♐12	0♐21	27♐ 6	29°R42	9°R35	29♐23	5♒10	16°R33	15°R21	11°R 0	9♓50	20♌15	15♑36	T 1
W 2	3 9 16	16° 2'39	15°58	1°50	28°17	29♊37	9♋33	29°28	5°11	16♊32	15♓21	10♓49	9°46	20°21	15°39	W 2
T 3	3 13 12	17° 3'22	29°55	3°18	29°28	29°31	9°30	29°34	5°12	16°30	15°20	10°39	9°43	20°28	15°42	T 3
F 4	3 17 9	18° 4'08	13♑57	4°45	0♑39	29°24	9°28	29°40	5°14	16°29	15°20	10°32	9°40	20°35	15°46	F 4
S 5	3 21 6	19° 4'54	28° 2	6°12	1°49	29°17	9°25	29°46	5°15	16°27	15°19	10°28	9°37	20°41	15°49	S 5
S 6	3 25 2	20° 5'41	12♒ 8	7°38	3° 0	29° 9	9°22	29°52	5°17	16°26	15°19	10°26	9°34	20°48	15°53	S 6
M 7	3 28 59	21° 6'29	26°14	9° 3	4°10	28°59	9°19	29°58	5°18	16°24	15°18	10°D26	9°31	20°55	15°56	M 7
T 8	3 32 55	22° 7'18	10♓18	10°28	5°20	28°49	9°15	0♑ 4	5°19	16°23	15°18	10°R27	9°27	21° 1	16° 0	T 8
W 9	3 36 52	23° 8'08	24°20	11°51	6°31	28°38	9°12	0°10	5°21	16°21	15°18	10°26	9°24	21° 8	16° 4	W 9
T 10	3 40 48	24° 8'59	8♈19	13°14	7°41	28°27	9° 8	0°16	5°23	16°20	15°17	10°23	9°21	21°15	16° 8	T 10
F 11	3 44 45	25° 9'51	22°13	14°35	8°51	28°14	9° 4	0°22	5°24	16°18	15°17	10°17	9°18	21°21	16°11	F 11
S 12	3 48 41	26°10'44	5♉59	15°55	10° 1	28° 1	9° 0	0°29	5°26	16°17	15°17	10° 9	9°15	21°28	16°15	S 12
S 13	3 52 38	27°11'38	19°34	17°13	11°10	27°47	8°55	0°35	5°28	16°15	15°17	9°58	9°11	21°35	16°19	S 13
M14	3 56 35	28°12'33	2♊55	18°29	12°20	27°32	8°51	0°41	5°29	16°14	15°16	9°45	9° 8	21°41	16°23	M14
T 15	4 0 31	29°13'29	16° 0	19°43	13°30	27°16	8°46	0°48	5°31	16°12	15°16	9°31	9° 5	21°48	16°27	T 15
W16	4 4 28	0♐14'26	28°48	20°54	14°39	27° 0	8°41	0°54	5°33	16°10	15°16	9°19	9° 2	21°54	16°31	W16
T 17	4 8 24	1°15'25	11♋18	22° 2	15°48	26°43	8°36	1° 1	5°35	16° 9	15°16	9° 8	8°59	22° 1	16°35	T 17
F 18	4 12 21	2°16'24	23°31	23° 6	16°57	26°25	8°31	1° 7	5°37	16° 7	15°16	9° 0	8°56	22° 8	16°40	F 18
S 19	4 16 17	3°17'25	5♌32	24° 7	18° 6	26° 6	8°26	1°14	5°39	16° 5	15°16	8°55	8°52	22°14	16°44	S 19
S 20	4 20 14	4°18'26	17°24	25° 3	19°15	25°47	8°20	1°20	5°41	16° 4	15°16	8°52	8°49	22°21	16°48	S 20
M21	4 24 11	5°19'29	29°11	25°53	20°24	25°27	8°15	1°27	5°43	16° 2	15°15	8°51	8°46	22°28	16°52	M21
T 22	4 28 7	6°20'33	11♍ 0	26°38	21°32	25° 7	8° 9	1°33	5°45	16° 0	15°15	8°51	8°43	22°34	16°57	T 22
W23	4 32 4	7°21'38	22°56	27°16	22°41	24°46	8° 3	1°40	5°47	15°59	15°D15	8°51	8°40	22°41	17° 1	W23
T 24	4 36 0	8°22'44	5♎ 5	27°46	23°49	24°25	7°57	1°47	5°50	15°57	15°15	8°49	8°37	22°48	17° 5	T 24
F 25	4 39 57	9°23'50	17°31	28° 7	24°57	24° 3	7°50	1°53	5°52	15°55	15°15	8°44	8°33	22°54	17°10	F 25
S 26	4 43 53	10°24'58	0♏18	28°19	26° 5	23°40	7°44	2° 0	5°54	15°54	15°15	8°37	8°30	23° 1	17°14	S 26
S 27	4 47 50	11°26'07	13°29	28°R21	27°13	23°18	7°38	2° 7	5°56	15°52	15°16	8°28	8°27	23° 8	17°19	S 27
M28	4 51 46	12°27'16	27° 3	28°12	28°20	22°55	7°31	2°14	5°59	15°50	15°16	8°16	8°24	23°14	17°23	M28
T 29	4 55 43	13°28'26	10♐59	27°51	29°28	22°32	7°24	2°21	6° 1	15°49	15°16	8° 3	8°21	23°21	17°28	T 29
W30	4 59 40	14♐29'37	25♐13	27♐19	0♒35	22♊ 8	7♋17	2♑27	6♒ 4	15♊47	15♓16	7♓50	8♓17	23♌28	17♑33	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s26	25s35	4s59	22s19	2s 2	25s54	2s22	25n 3	1n29	23n12	0s 1	23s 4	0n30	19s42	0s39	21n31	1s23	20s42	16s15	7s29	7s55	16n27	16s34	6n 7
W 2	16 43	27 49	5 2	22 41	2 6	25 57	2 24	25 6	1 32	23 12	0 1	23 4	0 30	19 42	0 39	21 30	1 23	20 42	16 15	7 33	7 57	16 24	16 34	6 7
T 3	17 1	28 20	4 46	23 3	2 10	25 58	2 25	25 8	1 35	23 13	0 0	23 4	0 30	19 42	0 39	21 30	1 23	20 42	16 14	7 37	7 58	16 21	16 34	6 6
F 4	17 18	27 2	4 13	23 23	2 13	25 59	2 26	25 11	1 38	23 13	0 0	23 4	0 30	19 41	0 39	21 30	1 23	20 42	16 14	7 39	7 59	16 18	16 34	6 6
S 5	17 35	24 1	3 25	23 41	2 16	26 0	2 27	25 14	1 41	23 13	0 0	23 4	0 30	19 41	0 39	21 30	1 23	20 42	16 14	7 41	8 0	16 15	16 34	6 6
S 6	17 51	19 33	2 24	23 58	2 19	25 59	2 28	25 17	1 43	23 14	0n 0	23 4	0 30	19 41	0 39	21 30	1 23	20 42	16 13	7 41	8 1	16 12	16 34	6 5
M 7	18 8	14 1	1 15	24 14	2 21	25 58	2 28	25 20	1 46	23 14	0 0	23 4	0 29	19 40	0 39	21 30	1 23	20 42	16 13	7 42	8 3	16 9	16 34	6 5
T 8	18 24	7 45	0 1	24 29	2 23	25 56	2 29	25 23	1 49	23 14	0 0	23 4	0 29	19 40	0 39	21 29	1 23	20 41	16 13	7 41	8 4	16 6	16 34	6 5
W 9	18 39	1 9	1n13	24 42	2 24	25 54	2 30	25 25	1 52	23 15	0 0	23 4	0 29	19 39	0 39	21 29	1 23	20 41	16 12	7 42	8 5	16 3	16 34	6 4
T 10	18 54	5n29	2 22	24 54	2 25	25 50	2 30	25 28	1 55	23 15	0 1	23 4	0 29	19 39	0 39	21 29	1 23	20 41	16 12	7 43	8 6	16 1	16 33	6 4
F 11	19 9	11 49	3 22	25 4	2 25	25 46	2 31	25 31	1 58	23 16	0 1	23 5	0 29	19 39	0 39	21 29	1 23	20 41	16 12	7 45	8 7	15 58	16 33	6 4
S 12	19 24	17 30	4 9	25 13	2 25	25 41	2 31	25 34	2 1	23 16	0 1	23 5	0 29	19 38	0 39	21 29	1 23	20 41	16 11	7 48	8 9	15 55	16 33	6 3
S 13	19 38	22 14	4 42	25 20	2 24	25 36	2 31	25 36	2 4	23 17	0 1	23 5	0 29	19 38	0 39	21 29	1 23	20 41	16 11	7 52	8 10	15 52	16 33	6 3
M14	19 52	25 43	4 58	25 26	2 23	25 29	2 31	25 39	2 7	23 17	0 1	23 5	0 29	19 37	0 39	21 28	1 23	20 40	16 11	7 57	8 11	15 49	16 33	6 3
T 15	20 5	27 46	4 59	25 30	2 21	25 23	2 31	25 41	2 9	23 17	0 1	23 5	0 29	19 37	0 39	21 28	1 23	20 40	16 10	8 2	8 12	15 46	16 33	6 2
W16	20 18	28 17	4 44	25 32	2 18	25 15	2 31	25 44	2 12	23 18	0 1	23 5	0 29	19 36	0 39	21 28	1 23	20 40	16 10	8 7	8 13	15 43	16 32	6 2
T 17	20 31	27 19	4 15	25 33	2 14	25 7	2 30	25 46	2 15	23 18	0 2	23 5	0 28	19 36	0 39	21 28	1 23	20 40	16 10	8 11	8 15	15 40	16 32	6 2
F 18	20 43	25 2	3 35	25 32	2 10	24 58	2 30	25 49	2 18	23 19	0 2	23 5	0 28	19 35	0 39	21 28	1 23	20 39	16 9	8 14	8 16	15 37	16 32	6 2
S 19	20 55	21 40	2 47	25 30	2 4	24 48	2 29	25 51	2 21	23 19	0 2	23 5	0 28	19 35	0 39	21 28	1 23	20 39	16 9	8 16	8 17	15 34	16 32	6 1
S 20	21 7	17 28	1 51	25 25	1 57	24 38	2 29	25 53	2 23	23 20	0 2	23 5	0 28	19 34	0 39	21 27	1 23	20 39	16 9	8 17	8 18	15 31	16 32	6 1
M21	21 18	12 37	0 51	25 19	1 50	24 26	2 28	25 55	2 26	23 20	0 2	23 5	0 28	19 34	0 39	21 27	1 23	20 38	16 8	8 17	8 19	15 28	16 31	6 1
T 22	21 29	7 18	0s11	25 12	1 41	24 15	2 27	25 57	2 29	23 21	0 2	23 5	0 28	19 33	0 39	21 27	1 23	20 38	16 8	8 18	8 21	15 25	16 31	6 1
W23	21 39	1 41	1 14	25 3	1 31	24 3	2 26	25 59	2 31	23 21	0 2	23 5	0 28	19 33	0 39	21 27	1 23	20 38	16 8	8 18	8 22	15 22	16 31	6 0
T 24	21 49	4s 5	2 14	24 52	1 19	23 50	2 25	26 0	2 34	23 22	0 3	23 5	0 28	19 32	0 39	21 27	1 23	20 38	16 7	8 18	8 23	15 19	16 31	6 0
F 25	21 58	9 49	3 9	24 39	1 7	23 36	2 24	26 2	2 36	23 22	0 3	23 5	0 28	19 31	0 39	21 27	1 23	20 37	16 7	8 20	8 24	15 16	16 30	6 0
S 26	22 7	15 19	3 56	24 26	0 52	23 22	2 22	26 3	2 39	23 23	0 3	23 5	0 28	19 31	0 39	21 26	1 23	20 37	16 7	8 23	8 25	15 13	16 30	6 0
S 27	22 16	20 17	4 33	24 10	0 37	23 7	2 21	26 4	2 41	23 23	0 3	23 5	0 28	19 30	0 39	21 26	1 23	20 37	16 6	8 26	8 27	15 10	16 30	5 59
M28	22 24	24 22	4 55	23 53	0 20	22 52	2 19	26 5	2 44	23 24	0 3	23 5	0 28	19 30	0 39	21 26	1 23	20 36	16 6	8 31	8 28	15 7	16 29	5 59
T 29	22 32	27 9	5 0	23 35	0 2	22 36	2 17	26 6	2 46	23 24	0 3	23 5	0 27	19 29	0 38	21 26	1 23	20 36	16 6	8 36	8 29	15 4	16 29	5 59
W30	22s39	28s15	4s47	23s16	0n16	22s19	2s15	26n 7	2n48	23n25	0n 3	23s 5	0n27	19s28	0s38	21n26	1s23	20s35	16s 5	8s40	8s30	15n 1	16s29	5n59

Julian Day Number = 2114371.5, Delta T = 19m01s
Ecliptic obliquity = 23°33'41, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°52'17, Lahiri = 10°59'17 Julian Calendar 1 Nov. 1076 == Greg. Calendar 7 Nov. 1076

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1076
geocentric

DECEMBER 1076 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 3 36	15♐30'48	9♑37	26°R35	1♒42	21°R44	7°R10	2♑34	6♒ 6	15°R45	15♓16	7°R39	8♓14	23♌34	17♑37	T 1
F 2	5 7 33	16°31'59	24° 7	25♐40	2°49	21♊21	7♋ 3	2°41	6° 9	15♊44	15°16	7♓31	8°11	23°41	17°42	F 2
S 3	5 11 29	17°33'11	8♒35	24°36	3°55	20°57	6°56	2°48	6°11	15°42	15°17	7°25	8° 8	23°48	17°47	S 3
S 4	5 15 26	18°34'23	22°57	23°23	5° 2	20°33	6°49	2°55	6°14	15°40	15°17	7°23	8° 5	23°54	17°51	S 4
M 5	5 19 22	19°35'34	7♓10	22° 5	6° 8	20° 9	6°41	3° 2	6°16	15°38	15°17	7°D22	8° 2	24° 1	17°56	M 5
T 6	5 23 19	20°36'46	21°12	20°43	7°14	19°45	6°34	3° 9	6°19	15°37	15°17	7°R22	7°58	24° 8	18° 1	T 6
W 7	5 27 15	21°37'57	5♈ 4	19°21	8°19	19°22	6°26	3°16	6°22	15°35	15°18	7°22	7°55	24°14	18° 6	W 7
T 8	5 31 12	22°39'08	18°45	18° 1	9°25	18°58	6°18	3°23	6°25	15°33	15°18	7°19	7°52	24°21	18°11	T 8
F 9	5 35 9	23°40'20	2♉17	16°46	10°30	18°35	6°11	3°30	6°27	15°32	15°18	7°14	7°49	24°27	18°16	F 9
S 10	5 39 5	24°41'31	15°38	15°37	11°34	18°12	6° 3	3°37	6°30	15°30	15°19	7° 6	7°46	24°34	18°21	S 10
S 11	5 43 2	25°42'42	28°48	14°37	12°39	17°49	5°55	3°44	6°33	15°28	15°19	6°55	7°43	24°41	18°26	S 11
M12	5 46 58	26°43'53	11♊47	13°47	13°43	17°27	5°47	3°51	6°36	15°27	15°20	6°43	7°39	24°47	18°31	M12
T 13	5 50 55	27°45'04	24°33	13° 6	14°47	17° 5	5°39	3°58	6°39	15°25	15°20	6°30	7°36	24°54	18°36	T 13
W14	5 54 51	28°46'15	7♋ 5	12°36	15°50	16°44	5°31	4° 5	6°42	15°23	15°21	6°18	7°33	25° 1	18°41	W14
T 15	5 58 48	29°47'26	19°25	12°17	16°54	16°23	5°23	4°13	6°44	15°22	15°21	6° 7	7°30	25° 7	18°46	T 15
F 16	6 2 45	0♑48'37	1♌33	12° 7	17°57	16° 2	5°15	4°20	6°47	15°20	15°22	5°59	7°27	25°14	18°51	F 16
S 17	6 6 41	1°49'48	13°30	12°D 6	18°59	15°42	5° 7	4°27	6°50	15°18	15°22	5°54	7°23	25°21	18°56	S 17
S 18	6 10 38	2°50'59	25°20	12°14	20° 1	15°23	4°59	4°34	6°53	15°17	15°23	5°51	7°20	25°27	19° 1	S 18
M19	6 14 34	3°52'10	7♍ 7	12°30	21° 3	15° 4	4°51	4°41	6°56	15°15	15°23	5°D50	7°17	25°34	19° 6	M19
T 20	6 18 31	4°53'20	18°54	12°53	22° 4	14°46	4°43	4°48	6°59	15°14	15°24	5°51	7°14	25°41	19°11	T 20
W21	6 22 27	5°54'31	0♎49	13°23	23° 5	14°28	4°35	4°55	7° 3	15°12	15°25	5°R52	7°11	25°47	19°16	W21
T 22	6 26 24	6°55'42	12°55	13°59	24° 6	14°12	4°27	5° 2	7° 6	15°10	15°25	5°52	7° 8	25°54	19°21	T 22
F 23	6 30 20	7°56'52	25°19	14°40	25° 6	13°56	4°18	5° 9	7° 9	15° 9	15°26	5°50	7° 4	26° 1	19°26	F 23
S 24	6 34 17	8°58'03	8♏ 5	15°26	26° 6	13°40	4°10	5°17	7°12	15° 7	15°27	5°46	7° 1	26° 7	19°32	S 24
S 25	6 38 14	9°59'13	21°16	16°17	27° 5	13°26	4° 2	5°24	7°15	15° 6	15°28	5°40	6°58	26°14	19°37	S 25
M26	6 42 10	11° 0'23	4♐56	17°11	28° 3	13°12	3°54	5°31	7°18	15° 4	15°28	5°32	6°55	26°21	19°42	M26
T 27	6 46 7	12° 1'33	19° 2	18° 9	29° 2	12°59	3°46	5°38	7°22	15° 3	15°29	5°23	6°52	26°27	19°47	T 27
W28	6 50 3	13° 2'42	3♑31	19°10	29°59	12°46	3°38	5°45	7°25	15° 1	15°30	5°13	6°49	26°34	19°52	W28
T 29	6 54 0	14° 3'51	18°17	20°13	0♓56	12°35	3°31	5°52	7°28	15° 0	15°31	5° 6	6°45	26°40	19°57	T 29
F 30	6 57 56	15° 4'59	3♒11	21°19	1°53	12°24	3°23	5°59	7°31	14°59	15°32	5° 0	6°42	26°47	20° 3	F 30
S 31	7 1 53	16♑ 6'07	18♒ 5	22♐28	2♓49	12♊14	3♋15	6♑ 6	7♒35	14♊57	15♓32	4♓56	6♓39	26♌54	20♑ 8	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s46	27s27	4s15	22s55	0n36	22s 2	2s13	26n 8	2n50	23n26	0n 4	23s 5	0n27	19s28	0s38	21n25	1s23	20s35	16s 5	8s45	8s31	14n58	16s28	5n58
F 2	22 53	24 48	3 27	22 33	0 56	21 45	2 11	26 8	2 52	23 26	0 4	23 5	0 27	19 27	0 38	21 25	1 23	20 35	16 5	8 48	8 33	14 55	16 28	5 58
S 3	22 59	20 33	2 26	22 11	1 16	21 27	2 8	26 9	2 54	23 27	0 4	23 5	0 27	19 26	0 38	21 25	1 23	20 34	16 4	8 50	8 34	14 52	16 27	5 58
S 4	23 4	15 8	1 16	21 48	1 36	21 8	2 6	26 9	2 56	23 27	0 4	23 5	0 27	19 26	0 38	21 25	1 23	20 34	16 4	8 51	8 35	14 49	16 27	5 58
M 5	23 9	8 57	0 1	21 25	1 54	20 49	2 3	26 9	2 58	23 28	0 4	23 5	0 27	19 25	0 38	21 25	1 23	20 33	16 3	8 51	8 36	14 46	16 27	5 58
T 6	23 14	2 24	1n13	21 3	2 12	20 30	2 0	26 9	3 0	23 28	0 4	23 5	0 27	19 24	0 38	21 25	1 23	20 33	16 3	8 51	8 37	14 43	16 26	5 57
W 7	23 18	4n11	2 21	20 41	2 27	20 10	1 57	26 9	3 1	23 29	0 4	23 4	0 27	19 24	0 38	21 24	1 23	20 32	16 3	8 51	8 38	14 40	16 26	5 57
T 8	23 21	10 28	3 21	20 22	2 40	19 49	1 54	26 8	3 3	23 29	0 5	23 4	0 27	19 23	0 38	21 24	1 23	20 32	16 2	8 52	8 40	14 37	16 25	5 57
F 9	23 25	16 12	4 8	20 4	2 51	19 28	1 51	26 8	3 4	23 30	0 5	23 4	0 27	19 22	0 38	21 24	1 23	20 32	16 2	8 54	8 41	14 34	16 25	5 57
S 10	23 27	21 5	4 41	19 49	2 59	19 7	1 47	26 7	3 6	23 30	0 5	23 4	0 27	19 22	0 38	21 24	1 23	20 31	16 2	8 57	8 42	14 30	16 24	5 57
S 11	23 29	24 51	4 59	19 36	3 5	18 45	1 44	26 6	3 7	23 31	0 5	23 4	0 26	19 21	0 38	21 24	1 23	20 31	16 1	9 1	8 43	14 27	16 24	5 57
M12	23 31	27 16	5 0	19 27	3 9	18 23	1 40	26 5	3 8	23 31	0 5	23 4	0 26	19 20	0 38	21 24	1 23	20 30	16 1	9 6	8 44	14 24	16 23	5 57
T 13	23 33	28 14	4 47	19 20	3 10	18 1	1 36	26 4	3 9	23 32	0 5	23 4	0 26	19 19	0 38	21 23	1 22	20 30	16 1	9 10	8 46	14 21	16 23	5 56
W14	23 33	27 42	4 20	19 17	3 10	17 38	1 32	26 3	3 10	23 32	0 6	23 4	0 26	19 19	0 38	21 23	1 22	20 29	16 0	9 15	8 47	14 18	16 22	5 56
T 15	23 34	25 47	3 41	19 16	3 8	17 15	1 28	26 2	3 11	23 33	0 6	23 3	0 26	19 18	0 38	21 23	1 22	20 29	16 0	9 19	8 48	14 15	16 22	5 56
F 16	23 34	22 43	2 52	19 19	3 4	16 51	1 23	26 0	3 12	23 33	0 6	23 3	0 26	19 17	0 38	21 23	1 22	20 28	16 0	9 22	8 49	14 12	16 21	5 56
S 17	23 33	18 43	1 56	19 23	3 0	16 27	1 19	25 59	3 13	23 34	0 6	23 3	0 26	19 16	0 38	21 23	1 22	20 28	15 59	9 24	8 50	14 9	16 20	5 56
S 18	23 32	14 1	0 56	19 30	2 54	16 3	1 14	25 58	3 13	23 34	0 6	23 3	0 26	19 16	0 38	21 23	1 22	20 27	15 59	9 25	8 52	14 6	16 20	5 56
M19	23 30	8 50	0s 7	19 39	2 47	15 39	1 9	25 56	3 14	23 35	0 6	23 3	0 26	19 15	0 38	21 23	1 22	20 27	15 59	9 25	8 53	14 3	16 19	5 56
T 20	23 28	3 21	1 9	19 49	2 40	15 14	1 4	25 54	3 15	23 35	0 6	23 3	0 26	19 14	0 38	21 22	1 22	20 26	15 58	9 25	8 54	14 0	16 19	5 56
W21	23 26	2s18	2 10	20 0	2 32	14 49	0 59	25 53	3 15	23 35	0 7	23 2	0 26	19 13	0 38	21 22	1 22	20 25	15 58	9 25	8 55	13 57	16 18	5 56
T 22	23 23	7 58	3 5	20 13	2 24	14 24	0 54	25 51	3 15	23 36	0 7	23 2	0 26	19 12	0 38	21 22	1 22	20 25	15 58	9 25	8 56	13 54	16 17	5 55
F 23	23 19	13 27	3 53	20 26	2 15	13 59	0 49	25 50	3 16	23 36	0 7	23 2	0 26	19 12	0 38	21 22	1 22	20 24	15 57	9 25	8 57	13 51	16 17	5 55
S 24	23 15	18 33	4 31	20 40	2 6	13 33	0 43	25 48	3 16	23 37	0 7	23 2	0 26	19 11	0 38	21 22	1 22	20 24	15 57	9 27	8 59	13 48	16 16	5 55
S 25	23 11	22 56	4 57	20 55	1 57	13 8	0 37	25 46	3 16	23 37	0 7	23 2	0 25	19 10	0 38	21 22	1 22	20 23	15 57	9 29	9 0	13 44	16 15	5 55
M26	23 6	26 14	5 6	21 9	1 48	12 42	0 31	25 44	3 16	23 37	0 7	23 1	0 25	19 9	0 38	21 22	1 22	20 23	15 57	9 32	9 1	13 41	16 15	5 55
T 27	23 1	28 3	4 58	21 24	1 38	12 16	0 25	25 43	3 16	23 38	0 7	23 1	0 25	19 8	0 38	21 21	1 22	20 22	15 56	9 35	9 2	13 38	16 14	5 55
W28	22 55	28 1	4 30	21 38	1 29	11 49	0 19	25 41	3 16	23 38	0 8	23 1	0 25	19 7	0 38	21 21	1 22	20 21	15 56	9 39	9 3	13 35	16 13	5 55
T 29	22 49	26 0	3 44	21 52	1 20	11 23	0 12	25 40	3 16	23 39	0 8	23 1	0 25	19 7	0 38	21 21	1 22	20 21	15 56	9 41	9 5	13 32	16 13	5 55
F 30	22 42	22 11	2 42	22 6	1 11	10 57	0 6	25 38	3 16	23 39	0 8	23 0	0 25	19 6	0 38	21 21	1 22	20 20	15 55	9 44	9 6	13 29	16 12	5 55
S 31	22s35	16s54	1s30	22s19	1n 1	10s30	0n 1	25n36	3n16	23n39	0n 8	23s 0	0n25	19s 5	0s38	21n21	1s22	20s20	15s55	9s45	9s 7	13n26	16s11	5n55

Julian Day Number = 2114401.5, Delta T = 19m00s
Ecliptic obliquity = 23°33'40, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°52'21, Lahiri = 10°59'21 Julian Calendar 1 Dec. 1076 == Greg. Calendar 7 Dec. 1076

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1077
geocentric

JANUARY 1077 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 5 49	17♉ 7'13	2♓52	23♐38	3♓45	12°R 5	3°R 7	6♉13	7♒38	14°R56	15♓33	4°D55	6♓36	27♌ 0	20♉13	S 1
M 2	7 9 46	18° 8'18	17°25	24°51	4°39	11♊57	3♋ 0	6°20	7°41	14♊54	15°34	4♓55	6°33	27° 7	20°18	M 2
T 3	7 13 43	19° 9'22	1♈40	26° 5	5°33	11°49	2°52	6°27	7°45	14°53	15°35	4°57	6°29	27°14	20°24	T 3
W 4	7 17 39	20°10'25	15°37	27°21	6°27	11°43	2°45	6°34	7°48	14°52	15°36	4°R58	6°26	27°20	20°29	W 4
T 5	7 21 36	21°11'27	29°15	28°38	7°20	11°37	2°37	6°41	7°51	14°50	15°37	4°57	6°23	27°27	20°34	T 5
F 6	7 25 32	22°12'28	12♉36	29°57	8°12	11°32	2°30	6°48	7°55	14°49	15°38	4°55	6°20	27°34	20°39	F 6
S 7	7 29 29	23°13'28	25°41	1♉17	9° 3	11°28	2°23	6°55	7°58	14°48	15°39	4°51	6°17	27°40	20°44	S 7
S 8	7 33 25	24°14'26	8♊32	2°38	9°53	11°25	2°16	7° 2	8° 1	14°47	15°40	4°46	6°14	27°47	20°50	S 8
M 9	7 37 22	25°15'23	21°11	4° 0	10°43	11°22	2° 9	7° 9	8° 5	14°45	15°41	4°39	6°10	27°54	20°55	M 9
T 10	7 41 18	26°16'19	3♋37	5°23	11°31	11°20	2° 2	7°16	8° 8	14°44	15°42	4°31	6° 7	28° 0	21° 0	T 10
W11	7 45 15	27°17'14	15°54	6°47	12°19	11°19	1°56	7°22	8°12	14°43	15°43	4°24	6° 4	28° 7	21° 5	W11
T 12	7 49 12	28°18'08	28° 1	8°12	13° 6	11°D19	1°49	7°29	8°15	14°42	15°44	4°18	6° 1	28°14	21°10	T 12
F 13	7 53 8	29°19'01	9♌59	9°39	13°52	11°20	1°43	7°36	8°19	14°41	15°45	4°14	5°58	28°20	21°16	F 13
S 14	7 57 5	0♒19'52	21°52	11° 6	14°37	11°21	1°36	7°43	8°22	14°40	15°46	4°11	5°55	28°27	21°21	S 14
S 15	8 1 1	1°20'42	3♍40	12°33	15°21	11°23	1°30	7°50	8°26	14°39	15°48	4°D10	5°51	28°33	21°26	S 15
M16	8 4 58	2°21'31	15°26	14° 2	16° 3	11°26	1°24	7°56	8°29	14°38	15°49	4°11	5°48	28°40	21°31	M16
T 17	8 8 54	3°22'19	27°15	15°32	16°45	11°29	1°18	8° 3	8°33	14°37	15°50	4°12	5°45	28°47	21°36	T 17
W18	8 12 51	4°23'06	9♎10	17° 2	17°25	11°33	1°12	8°10	8°36	14°36	15°51	4°14	5°42	28°53	21°41	W18
T 19	8 16 47	5°23'52	21°15	18°34	18° 5	11°38	1° 7	8°16	8°39	14°35	15°52	4°16	5°39	29° 0	21°46	T 19
F 20	8 20 44	6°24'37	3♏36	20° 6	18°43	11°43	1° 1	8°23	8°43	14°34	15°53	4°R17	5°35	29° 7	21°51	F 20
S 21	8 24 41	7°25'21	16°17	21°39	19°19	11°49	0°56	8°29	8°46	14°33	15°55	4°16	5°32	29°13	21°57	S 21
S 22	8 28 37	8°26'03	29°23	23°12	19°55	11°56	0°51	8°36	8°50	14°32	15°56	4°15	5°29	29°20	22° 2	S 22
M23	8 32 34	9°26'45	12♐55	24°47	20°28	12° 4	0°46	8°42	8°53	14°31	15°57	4°12	5°26	29°27	22° 7	M23
T 24	8 36 30	10°27'25	26°56	26°23	21° 1	12°12	0°41	8°49	8°57	14°30	15°58	4° 9	5°23	29°33	22°12	T 24
W25	8 40 27	11°28'05	11♉24	27°59	21°32	12°21	0°37	8°55	9° 0	14°29	16° 0	4° 6	5°20	29°40	22°17	W25
T 26	8 44 23	12°28'42	26°14	29°36	22° 1	12°30	0°32	9° 1	9° 4	14°29	16° 1	4° 3	5°16	29°47	22°22	T 26
F 27	8 48 20	13°29'19	11♒20	1♒14	22°29	12°40	0°28	9° 8	9° 7	14°28	16° 2	4° 0	5°13	29°53	22°27	F 27
S 28	8 52 17	14°29'53	26°31	2°53	22°55	12°50	0°24	9°14	9°11	14°27	16° 4	3°59	5°10	29°59	22°32	S 28
S 29	8 56 13	15°30'26	11♓38	4°33	23°19	13° 1	0°20	9°20	9°14	14°27	16° 5	3°D59	5° 7	0♍ 7	22°36	S 29
M30	9 0 10	16°30'57	26°32	6°13	23°41	13°13	0°16	9°26	9°18	14°26	16° 6	4° 0	5° 4	0°13	22°41	M30
T 31	9 4 6	17♒31'27	11♈ 8	7♒55	24♓ 1	13♊25	0♋13	9♉32	9♒21	14♊25	16♓ 8	4♓ 1	5♓ 1	0♍20	22♉46	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s28	10s41	0s11	22s32	0n52	10s 4	0n 8	25n35	3n15	23n40	0n 8	23s 0	0n25	19s 4	0s38	21n21	1s22	20s19	15s55	9s45	9s 8	13n23	16s11	5n55
M 2	22 20	3 58	1n 7	22 44	0 43	9 37	0 15	25 34	3 15	23 40	0 8	23 0	0 25	19 3	0 38	21 21	1 22	20 18	15 54	9 45	9 9	13 20	16 10	5 55
T 3	22 11	2n48	2 20	22 56	0 34	9 10	0 23	25 32	3 15	23 40	0 8	22 59	0 25	19 2	0 38	21 21	1 22	20 18	15 54	9 45	9 10	13 17	16 9	5 55
W 4	22 2	9 17	3 22	23 6	0 26	8 44	0 30	25 31	3 14	23 40	0 8	22 59	0 25	19 1	0 38	21 20	1 22	20 17	15 54	9 44	9 12	13 13	16 8	5 55
T 5	21 53	15 11	4 12	23 16	0 17	8 17	0 38	25 30	3 14	23 41	0 9	22 59	0 25	19 1	0 38	21 20	1 22	20 16	15 54	9 45	9 13	13 10	16 8	5 55
F 6	21 43	20 15	4 47	23 25	0 9	7 50	0 46	25 28	3 13	23 41	0 9	22 59	0 25	19 0	0 38	21 20	1 22	20 16	15 53	9 45	9 14	13 7	16 7	5 55
S 7	21 33	24 13	5 6	23 33	0 0	7 24	0 54	25 27	3 13	23 41	0 9	22 58	0 25	18 59	0 38	21 20	1 22	20 15	15 53	9 47	9 15	13 4	16 6	5 55
S 8	21 23	26 55	5 9	23 40	0s 8	6 57	1 2	25 26	3 12	23 42	0 9	22 58	0 25	18 58	0 38	21 20	1 22	20 15	15 53	9 49	9 16	13 1	16 5	5 55
M 9	21 12	28 12	4 57	23 46	0 16	6 31	1 10	25 25	3 12	23 42	0 9	22 58	0 24	18 57	0 38	21 20	1 22	20 14	15 53	9 51	9 18	12 58	16 4	5 55
T 10	21 0	28 2	4 31	23 50	0 23	6 4	1 18	25 24	3 11	23 42	0 9	22 57	0 24	18 56	0 38	21 20	1 22	20 13	15 52	9 54	9 19	12 55	16 3	5 55
W11	20 49	26 28	3 53	23 54	0 31	5 38	1 27	25 24	3 10	23 42	0 9	22 57	0 24	18 55	0 38	21 20	1 22	20 13	15 52	9 57	9 20	12 52	16 3	5 55
T 12	20 36	23 41	3 4	23 56	0 38	5 12	1 36	25 23	3 10	23 42	0 10	22 57	0 24	18 54	0 38	21 20	1 22	20 12	15 52	9 59	9 21	12 48	16 2	5 55
F 13	20 24	19 54	2 8	23 57	0 45	4 46	1 45	25 22	3 9	23 43	0 10	22 56	0 24	18 53	0 38	21 20	1 22	20 11	15 52	10 1	9 22	12 45	16 1	5 55
S 14	20 11	15 21	1 7	23 57	0 52	4 20	1 54	25 22	3 8	23 43	0 10	22 56	0 24	18 52	0 38	21 19	1 21	20 11	15 51	10 1	9 23	12 42	16 0	5 56
S 15	19 58	10 16	0 3	23 56	0 58	3 55	2 3	25 21	3 8	23 43	0 10	22 56	0 24	18 52	0 38	21 19	1 21	20 10	15 51	10 2	9 25	12 39	15 59	5 56
M16	19 44	4 50	1s 1	23 53	1 4	3 29	2 13	25 21	3 7	23 43	0 10	22 55	0 24	18 51	0 38	21 19	1 21	20 9	15 51	10 2	9 26	12 36	15 58	5 56
T 17	19 30	0s47	2 3	23 49	1 11	3 4	2 23	25 21	3 6	23 43	0 10	22 55	0 24	18 50	0 38	21 19	1 21	20 9	15 51	10 1	9 27	12 33	15 58	5 56
W18	19 16	6 25	3 0	23 44	1 16	2 39	2 32	25 20	3 5	23 44	0 10	22 55	0 24	18 49	0 38	21 19	1 21	20 8	15 50	10 0	9 28	12 30	15 57	5 56
T 19	19 1	11 53	3 50	23 37	1 22	2 15	2 42	25 20	3 4	23 44	0 10	22 54	0 24	18 48	0 38	21 19	1 21	20 7	15 50	10 0	9 29	12 26	15 56	5 56
F 20	18 46	17 1	4 31	23 29	1 27	1 51	2 52	25 20	3 4	23 44	0 10	22 54	0 24	18 47	0 38	21 19	1 21	20 7	15 50	9 59	9 30	12 23	15 55	5 56
S 21	18 31	21 34	4 59	23 19	1 32	1 27	3 3	25 20	3 3	23 44	0 11	22 54	0 24	18 46	0 38	21 19	1 21	20 6	15 50	10 0	9 32	12 20	15 54	5 56
S 22	18 15	25 13	5 14	23 8	1 37	1 4	3 13	25 20	3 2	23 44	0 11	22 53	0 24	18 45	0 38	21 19	1 21	20 5	15 50	10 0	9 33	12 17	15 53	5 56
M23	17 59	27 36	5 11	22 56	1 41	0 40	3 24	25 20	3 1	23 44	0 11	22 53	0 24	18 44	0 38	21 19	1 21	20 5	15 49	10 1	9 34	12 14	15 52	5 57
T 24	17 42	28 22	4 50	22 42	1 45	0 18	3 34	25 21	3 0	23 45	0 11	22 52	0 24	18 43	0 38	21 19	1 21	20 4	15 49	10 2	9 35	12 11	15 51	5 57
W25	17 26	27 14	4 11	22 27	1 49	0n 4	3 45	25 21	2 59	23 45	0 11	22 52	0 24	18 42	0 38	21 19	1 21	20 3	15 49	10 3	9 36	12 7	15 50	5 57
T 26	17 9	24 11	3 14	22 10	1 52	0 26	3 56	25 21	2 58	23 45	0 11	22 52	0 24	18 42	0 38	21 19	1 21	20 2	15 49	10 5	9 38	12 4	15 49	5 57
F 27	16 52	19 25	2 2	21 51	1 55	0 47	4 7	25 22	2 57	23 45	0 11	22 51	0 23	18 41	0 38	21 19	1 21	20 2	15 49	10 5	9 39	12 1	15 48	5 57
S 28	16 34	13 23	0 41	21 31	1 58	1 7	4 18	25 22	2 56	23 45	0 11	22 51	0 23	18 40	0 38	21 19	1 21	20 1	15 48	10 6	9 40	11 58	15 47	5 57
S 29	16 16	6 35	0n42	21 10	2 0	1 27	4 30	25 23	2 55	23 45	0 12	22 51	0 23	18 39	0 38	21 19	1 21	20 0	15 48	10 6	9 41	11 55	15 47	5 58
M30	15 58	0n29	2 2	20 47	2 2	1 47	4 41	25 23	2 55	23 45	0 12	22 50	0 23	18 38	0 38	21 19	1 21	20 0	15 48	10 5	9 42	11 52	15 46	5 58
T 31	15s40	7n21	3n11	20s22	2s 3	2n 5	4n52	25n24	2n54	23n45	0n12	22s50	0n23	18s37	0s38	21n19	1s21	19s59	15s48	10s 5	9s43	11n48	15s45	5n58

Julian Day Number = 2114432.5, Delta T = 19m00s
Ecliptic obliquity = 23°33'40, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°52'25, Lahiri = 10°59'26 Julian Calendar 1 Jan. 1077 == Greg. Calendar 7 Jan. 1077

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1077
geocentric

FEBRUARY 1077 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 8 3	18♒31'54	25♈20	9♒38	24♓20	13♊38	0°R10	9♑39	9♒25	14°R25	16♓ 9	4♓ 3	4♓57	0♍26	22♑51	W 1
T 2	9 11 59	19°32'19	9♉ 7	11°21	24°36	13°51	0♋ 6	9°45	9°28	14♊24	16°10	4° 3	4°54	0°33	22°56	T 2
F 3	9 15 56	20°32'43	22°31	13° 6	24°51	14° 5	0° 3	9°51	9°32	14°24	16°12	4°R 4	4°51	0°40	23° 1	F 3
S 4	9 19 52	21°33'04	5♊32	14°51	25° 3	14°19	0° 1	9°56	9°35	14°23	16°13	4° 3	4°48	0°46	23° 5	S 4
S 5	9 23 49	22°33'24	18°15	16°37	25°12	14°34	29♊58	10° 2	9°38	14°23	16°15	4° 2	4°45	0°53	23°10	S 5
M 6	9 27 46	23°33'41	0♋41	18°25	25°20	14°49	29°56	10° 8	9°42	14°23	16°16	4° 1	4°41	1° 0	23°15	M 6
T 7	9 31 42	24°33'56	12°54	20°13	25°25	15° 5	29°54	10°14	9°45	14°22	16°17	3°59	4°38	1° 6	23°19	T 7
W 8	9 35 39	25°34'10	24°57	22° 3	25°28	15°21	29°52	10°20	9°49	14°22	16°19	3°58	4°35	1°13	23°24	W 8
T 9	9 39 35	26°34'21	6♌53	23°53	25°R28	15°37	29°50	10°25	9°52	14°22	16°20	3°57	4°32	1°20	23°29	T 9
F 10	9 43 32	27°34'31	18°44	25°44	25°26	15°54	29°48	10°31	9°55	14°21	16°22	3°57	4°29	1°26	23°33	F 10
S 11	9 47 28	28°34'38	0♍33	27°37	25°22	16°12	29°47	10°36	9°59	14°21	16°23	3°D56	4°26	1°33	23°38	S 11
S 12	9 51 25	29°34'44	12°20	29°30	25°15	16°30	29°46	10°42	10° 2	14°21	16°25	3°56	4°22	1°40	23°42	S 12
M13	9 55 21	0♓34'47	24°10	1♓24	25° 5	16°48	29°45	10°47	10° 5	14°21	16°26	3°57	4°19	1°46	23°46	M13
T 14	9 59 18	1°34'49	6♎ 3	3°19	24°53	17° 7	29°44	10°53	10° 9	14°21	16°28	3°57	4°16	1°53	23°51	T 14
W15	10 3 14	2°34'49	18° 3	5°15	24°38	17°26	29°43	10°58	10°12	14°20	16°29	3°57	4°13	1°59	23°55	W15
T 16	10 7 11	3°34'48	0♏13	7°11	24°21	17°45	29°43	11° 3	10°15	14°20	16°31	3°R57	4°10	2° 6	24° 0	T 16
F 17	10 11 8	4°34'45	12°37	9° 8	24° 1	18° 5	29°43	11° 8	10°18	14°D20	16°32	3°57	4° 7	2°13	24° 4	F 17
S 18	10 15 4	5°34'40	25°17	11° 6	23°40	18°25	29°D43	11°14	10°22	14°20	16°34	3°57	4° 3	2°19	24° 8	S 18
S 19	10 19 1	6°34'33	8♐17	13° 4	23°15	18°45	29°43	11°19	10°25	14°20	16°35	3°D57	4° 0	2°26	24°12	S 19
M20	10 22 57	7°34'25	21°41	15° 2	22°49	19° 6	29°43	11°24	10°28	14°21	16°37	3°57	3°57	2°33	24°16	M20
T 21	10 26 54	8°34'15	5♑30	16°59	22°21	19°27	29°44	11°28	10°31	14°21	16°38	3°57	3°54	2°39	24°21	T 21
W22	10 30 50	9°34'03	19°45	18°57	21°51	19°49	29°45	11°33	10°34	14°21	16°40	3°58	3°51	2°46	24°25	W22
T 23	10 34 47	10°33'50	4♒23	20°53	21°19	20°11	29°45	11°38	10°38	14°21	16°41	3°59	3°47	2°53	24°29	T 23
F 24	10 38 43	11°33'34	19°20	22°49	20°46	20°33	29°47	11°43	10°41	14°21	16°43	3°59	3°44	2°59	24°33	F 24
S 25	10 42 40	12°33'17	4♓30	24°43	20°11	20°55	29°48	11°47	10°44	14°21	16°44	3°R59	3°41	3° 6	24°37	S 25
S 26	10 46 37	13°32'57	19°42	26°36	19°35	21°18	29°49	11°52	10°47	14°22	16°46	3°59	3°38	3°13	24°40	S 26
M27	10 50 33	14°32'36	4♈47	28°26	18°59	21°41	29°51	11°56	10°50	14°22	16°47	3°58	3°35	3°19	24°44	M27
T 28	10 54 30	15♓32'12	19♈36	0♈13	18♓22	22♊ 4	29♊53	12♑ 1	10♒53	14♊22	16♓49	3♓57	3♓32	3♍26	24♑48	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	15s21	13n41	4n 8	19s56	2s 4	2n23	5n 4	25n24	2n53	23n45	0n12	22s49	0n23	18s36	0s38	21n19	1s21	19s58	15s48	10s 5	9s45	11n45	15s44	5n58
T 2	15 2	19 9	4 48	19 28	2 5	2 40	5 15	25 25	2 52	23 46	0 12	22 49	0 23	18 35	0 38	21 19	1 21	19 58	15 48	10 4	9 46	11 42	15 43	5 58
F 3	14 43	23 29	5 11	18 58	2 5	2 56	5 27	25 26	2 51	23 46	0 12	22 49	0 23	18 34	0 38	21 19	1 21	19 57	15 47	10 4	9 47	11 39	15 42	5 58
S 4	14 24	26 32	5 17	18 27	2 5	3 12	5 38	25 27	2 50	23 46	0 12	22 48	0 23	18 33	0 38	21 19	1 20	19 56	15 47	10 4	9 48	11 36	15 41	5 59
S 5	14 4	28 8	5 7	17 55	2 5	3 26	5 50	25 28	2 49	23 46	0 12	22 48	0 23	18 32	0 38	21 19	1 20	19 56	15 47	10 5	9 49	11 32	15 40	5 59
M 6	13 44	28 17	4 43	17 21	2 4	3 39	6 1	25 28	2 48	23 46	0 12	22 47	0 23	18 31	0 38	21 19	1 20	19 55	15 47	10 5	9 50	11 29	15 39	5 59
T 7	13 24	27 2	4 7	16 45	2 2	3 52	6 13	25 29	2 47	23 46	0 12	22 47	0 23	18 31	0 38	21 19	1 20	19 54	15 47	10 6	9 52	11 26	15 38	5 59
W 8	13 4	24 32	3 20	16 8	2 0	4 3	6 24	25 30	2 46	23 46	0 13	22 47	0 23	18 30	0 38	21 19	1 20	19 54	15 47	10 6	9 53	11 23	15 37	6 0
T 9	12 43	20 59	2 25	15 29	1 58	4 14	6 35	25 31	2 45	23 46	0 13	22 46	0 23	18 29	0 38	21 19	1 20	19 53	15 47	10 7	9 54	11 20	15 36	6 0
F 10	12 23	16 36	1 23	14 48	1 55	4 23	6 46	25 32	2 44	23 46	0 13	22 46	0 23	18 28	0 38	21 19	1 20	19 52	15 47	10 7	9 55	11 16	15 35	6 0
S 11	12 2	11 38	0 19	14 6	1 51	4 31	6 56	25 33	2 43	23 46	0 13	22 45	0 23	18 27	0 38	21 19	1 20	19 52	15 47	10 7	9 56	11 13	15 34	6 0
S 12	11 41	6 15	0s47	13 22	1 47	4 38	7 7	25 34	2 42	23 47	0 13	22 45	0 23	18 26	0 38	21 19	1 20	19 51	15 46	10 7	9 57	11 10	15 33	6 1
M13	11 19	0 39	1 50	12 37	1 42	4 43	7 17	25 35	2 41	23 47	0 13	22 45	0 23	18 25	0 38	21 19	1 20	19 50	15 46	10 7	9 58	11 7	15 32	6 1
T 14	10 58	5s 0	2 49	11 51	1 37	4 47	7 27	25 36	2 40	23 47	0 13	22 44	0 23	18 24	0 38	21 19	1 20	19 50	15 46	10 7	10 0	11 4	15 31	6 1
W15	10 36	10 32	3 42	11 3	1 31	4 50	7 36	25 37	2 40	23 47	0 13	22 44	0 23	18 23	0 38	21 19	1 20	19 49	15 46	10 7	10 1	11 0	15 30	6 1
T 16	10 15	15 44	4 25	10 14	1 25	4 51	7 45	25 38	2 39	23 47	0 13	22 44	0 22	18 23	0 38	21 19	1 20	19 48	15 46	10 7	10 2	10 57	15 29	6 2
F 17	9 53	20 24	4 56	9 23	1 18	4 51	7 53	25 38	2 38	23 47	0 13	22 43	0 22	18 22	0 38	21 19	1 20	19 48	15 46	10 7	10 3	10 54	15 28	6 2
S 18	9 31	24 16	5 14	8 31	1 10	4 50	8 1	25 39	2 37	23 47	0 13	22 43	0 22	18 21	0 38	21 19	1 20	19 47	15 46	10 7	10 4	10 51	15 27	6 2
S 19	9 9	27 1	5 17	7 38	1 2	4 47	8 8	25 40	2 36	23 47	0 14	22 42	0 22	18 20	0 38	21 19	1 20	19 46	15 46	10 7	10 5	10 48	15 26	6 3
M20	8 46	28 20	5 3	6 45	0 53	4 42	8 15	25 41	2 35	23 47	0 14	22 42	0 22	18 19	0 38	21 19	1 20	19 46	15 46	10 7	10 7	10 44	15 25	6 3
T 21	8 24	27 58	4 31	5 50	0 44	4 37	8 21	25 42	2 34	23 47	0 14	22 42	0 22	18 18	0 38	21 19	1 20	19 45	15 46	10 6	10 8	10 41	15 24	6 3
W22	8 1	25 46	3 42	4 55	0 34	4 30	8 26	25 43	2 33	23 47	0 14	22 41	0 22	18 17	0 38	21 19	1 20	19 45	15 46	10 6	10 9	10 38	15 23	6 4
T 23	7 39	21 48	2 37	3 59	0 24	4 21	8 30	25 44	2 32	23 48	0 14	22 41	0 22	18 17	0 38	21 19	1 19	19 44	15 46	10 6	10 10	10 35	15 22	6 4
F 24	7 16	16 22	1 21	3 3	0 13	4 11	8 33	25 44	2 31	23 48	0 14	22 41	0 22	18 16	0 38	21 19	1 19	19 43	15 46	10 6	10 11	10 31	15 21	6 4
S 25	6 53	9 52	0n 3	2 8	0 1	4 0	8 36	25 45	2 30	23 48	0 14	22 40	0 22	18 15	0 38	21 20	1 19	19 43	15 46	10 6	10 12	10 28	15 20	6 5
S 26	6 30	2 47	1 26	1 12	0n11	3 47	8 38	25 46	2 30	23 48	0 14	22 40	0 22	18 14	0 38	21 20	1 19	19 42	15 46	10 6	10 14	10 25	15 19	6 5
M27	6 7	4n24	2 43	0 17	0 23	3 34	8 38	25 46	2 29	23 48	0 14	22 39	0 22	18 13	0 38	21 20	1 19	19 41	15 46	10 6	10 15	10 22	15 18	6 5
T 28	5s44	11n12	3n47	0n38	0n35	3n19	8n38	25n47	2n28	23n48	0n14	22s39	0n22	18s12	0s38	21n20	1s19	19s41	15s46	10s 7	10s16	10n18	15s17	6n 6

Julian Day Number = 2114463.5, Delta T = 19m00s
Ecliptic obliquity = 23°33'40, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°52'29, Lahiri = 10°59'30 Julian Calendar 1 Feb. 1077 == Greg. Calendar 7 Feb. 1077

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1077
geocentric

MARCH 1077 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 58 26	16♓31'46	4♉ 3	1♈58	17°R44	22♊28	29♊55	12♋ 5	10♒56	14♊23	16♓50	3°R55	3♓28	3♍32	24♋52	W 1
T 2	11 2 23	17°31'18	18° 4	3°39	17♓ 6	22°51	29°58	12° 9	10°59	14°23	16°52	3♓54	3°25	3°39	24°55	T 2
F 3	11 6 19	18°30'48	1♊37	5°16	16°28	23°16	0♌ 0	12°14	11° 2	14°24	16°53	3°53	3°22	3°46	24°59	F 3
S 4	11 10 16	19°30'15	14°43	6°48	15°51	23°40	0° 3	12°18	11° 5	14°24	16°55	3°D52	3°19	3°52	25° 3	S 4
S 5	11 14 12	20°29'40	27°26	8°16	15°14	24° 5	0° 6	12°22	11° 8	14°25	16°56	3°52	3°16	3°59	25° 6	S 5
M 6	11 18 9	21°29'02	9♌49	9°38	14°38	24°29	0° 9	12°26	11°11	14°25	16°58	3°53	3°13	4° 6	25°10	M 6
T 7	11 22 6	22°28'22	21°57	10°55	14° 3	24°55	0°12	12°29	11°13	14°26	16°59	3°54	3° 9	4°12	25°13	T 7
W 8	11 26 2	23°27'40	3♎53	12° 6	13°30	25°20	0°15	12°33	11°16	14°26	17° 1	3°56	3° 6	4°19	25°16	W 8
T 9	11 29 59	24°26'55	15°43	13°11	12°57	25°46	0°19	12°37	11°19	14°27	17° 2	3°57	3° 3	4°26	25°20	T 9
F 10	11 33 55	25°26'09	27°30	14° 9	12°27	26°11	0°23	12°41	11°22	14°28	17° 4	3°58	3° 0	4°32	25°23	F 10
S 11	11 37 52	26°25'20	9♏18	15° 0	11°58	26°37	0°26	12°44	11°24	14°28	17° 5	3°R58	2°57	4°39	25°26	S 11
S 12	11 41 48	27°24'28	21° 8	15°45	11°32	27° 4	0°31	12°47	11°27	14°29	17° 7	3°57	2°53	4°46	25°29	S 12
M13	11 45 45	28°23'35	3♐ 3	16°22	11° 7	27°30	0°35	12°51	11°30	14°30	17° 8	3°55	2°50	4°52	25°32	M13
T 14	11 49 41	29°22'39	15° 5	16°53	10°45	27°57	0°39	12°54	11°32	14°31	17°10	3°51	2°47	4°59	25°35	T 14
W15	11 53 38	0♈21'42	27°17	17°16	10°25	28°23	0°44	12°57	11°35	14°32	17°11	3°47	2°44	5° 6	25°38	W15
T 16	11 57 35	1°20'43	9♑38	17°33	10° 7	28°50	0°49	13° 0	11°37	14°33	17°13	3°42	2°41	5°12	25°41	T 16
F 17	12 1 31	2°19'41	22°12	17°42	9°52	29°18	0°54	13° 3	11°40	14°33	17°14	3°38	2°38	5°19	25°44	F 17
S 18	12 5 28	3°18'38	4♐59	17°R45	9°39	29°45	0°59	13° 6	11°42	14°34	17°16	3°34	2°34	5°25	25°47	S 18
S 19	12 9 24	4°17'34	18° 2	17°40	9°29	0♌13	1° 4	13° 9	11°45	14°35	17°17	3°32	2°31	5°32	25°49	S 19
M20	12 13 21	5°16'27	1♋23	17°30	9°21	0°40	1° 9	13°12	11°47	14°36	17°19	3°D31	2°28	5°39	25°52	M20
T 21	12 17 17	6°15'19	15° 4	17°13	9°16	1° 8	1°15	13°15	11°50	14°37	17°20	3°31	2°25	5°45	25°55	T 21
W22	12 21 14	7°14'09	29° 4	16°51	9°13	1°37	1°21	13°17	11°52	14°38	17°21	3°32	2°22	5°52	25°57	W22
T 23	12 25 10	8°12'57	13♒25	16°23	9°D13	2° 5	1°27	13°20	11°54	14°40	17°23	3°33	2°18	5°59	26° 0	T 23
F 24	12 29 7	9°11'43	28° 4	15°52	9°15	2°33	1°33	13°22	11°57	14°41	17°24	3°R34	2°15	6° 5	26° 2	F 24
S 25	12 33 4	10°10'28	12♓56	15°16	9°19	3° 2	1°39	13°24	11°59	14°42	17°26	3°34	2°12	6°12	26° 4	S 25
S 26	12 37 0	11° 9'10	27°55	14°37	9°25	3°31	1°45	13°26	12° 1	14°43	17°27	3°32	2° 9	6°19	26° 7	S 26
M27	12 40 57	12° 7'51	12♈53	13°56	9°34	4° 0	1°52	13°29	12° 3	14°44	17°29	3°29	2° 6	6°25	26° 9	M27
T 28	12 44 53	13° 6'30	27°41	13°14	9°45	4°29	1°58	13°31	12° 5	14°45	17°30	3°23	2° 3	6°32	26°11	T 28
W29	12 48 50	14° 5'07	12♉12	12°30	9°58	4°58	2° 5	13°33	12° 7	14°47	17°31	3°17	1°59	6°39	26°13	W29
T 30	12 52 46	15° 3'41	26°18	11°47	10°13	5°27	2°12	13°34	12° 9	14°48	17°33	3°11	1°56	6°45	26°15	T 30
F 31	12 56 43	16♈ 2'14	9♊58	11♈ 5	10♓30	5♌57	2♌19	13♋36	12♒11	14♊49	17♓34	3♓ 5	1♓53	6♍52	26♋17	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s21	17n14	4n35	1n31	0n48	3n 3	8n37	25n47	2n27	23n48	0n14	22s39	0n22	18s12	0s38	21n20	1s19	19s40	15s46	10s 7	10s17	10n15	15s16	6n 6
T 2	4 57	22 10	5 5	2 23	1 0	2 47	8 34	25 48	2 26	23 48	0 14	22 38	0 22	18 11	0 38	21 20	1 19	19 40	15 46	10 8	10 18	10 12	15 15	6 6
F 3	4 34	25 45	5 17	3 13	1 13	2 29	8 31	25 48	2 25	23 48	0 14	22 38	0 22	18 10	0 39	21 20	1 19	19 39	15 46	10 8	10 19	10 9	15 14	6 7
S 4	4 11	27 50	5 11	4 2	1 26	2 11	8 27	25 49	2 24	23 48	0 15	22 38	0 22	18 9	0 39	21 20	1 19	19 38	15 46	10 8	10 20	10 5	15 13	6 7
S 5	3 47	28 23	4 51	4 48	1 38	1 52	8 22	25 49	2 23	23 48	0 15	22 37	0 22	18 8	0 39	21 20	1 19	19 38	15 46	10 8	10 22	10 2	15 12	6 7
M 6	3 24	27 28	4 17	5 32	1 50	1 33	8 16	25 49	2 23	23 48	0 15	22 37	0 22	18 8	0 39	21 20	1 19	19 37	15 46	10 8	10 23	9 59	15 11	6 8
T 7	3 0	25 15	3 32	6 13	2 2	1 13	8 10	25 49	2 22	23 48	0 15	22 37	0 22	18 7	0 39	21 21	1 19	19 37	15 46	10 8	10 24	9 56	15 10	6 8
W 8	2 37	21 57	2 39	6 51	2 13	0 54	8 2	25 49	2 21	23 49	0 15	22 36	0 22	18 6	0 39	21 21	1 19	19 36	15 46	10 7	10 25	9 52	15 9	6 9
T 9	2 13	17 47	1 39	7 26	2 24	0 34	7 54	25 49	2 20	23 49	0 15	22 36	0 22	18 5	0 39	21 21	1 19	19 36	15 46	10 7	10 26	9 49	15 8	6 9
F 10	1 49	12 57	0 36	7 58	2 34	0 14	7 45	25 49	2 19	23 49	0 15	22 36	0 21	18 5	0 39	21 21	1 19	19 35	15 46	10 6	10 27	9 46	15 7	6 9
S 11	1 26	7 40	0s29	8 27	2 43	0s 6	7 35	25 49	2 18	23 49	0 15	22 36	0 21	18 4	0 39	21 21	1 19	19 35	15 46	10 6	10 29	9 43	15 6	6 10
S 12	1 2	2 6	1 33	8 52	2 52	0 25	7 25	25 49	2 17	23 49	0 15	22 35	0 21	18 3	0 39	21 21	1 19	19 34	15 46	10 7	10 30	9 39	15 5	6 10
M13	0 39	3s34	2 33	9 13	2 59	0 44	7 14	25 49	2 17	23 49	0 15	22 35	0 21	18 3	0 39	21 21	1 19	19 34	15 46	10 7	10 31	9 36	15 4	6 10
T 14	0 15	9 9	3 27	9 31	3 6	1 3	7 3	25 49	2 16	23 49	0 15	22 35	0 21	18 2	0 39	21 21	1 18	19 33	15 46	10 9	10 32	9 33	15 3	6 11
W15	0n 9	14 28	4 12	9 45	3 11	1 21	6 51	25 48	2 15	23 49	0 15	22 34	0 21	18 1	0 39	21 22	1 18	19 32	15 46	10 10	10 33	9 30	15 2	6 11
T 16	0 32	19 17	4 46	9 55	3 15	1 39	6 39	25 48	2 14	23 49	0 15	22 34	0 21	18 0	0 39	21 22	1 18	19 32	15 47	10 12	10 34	9 26	15 1	6 12
F 17	0 56	23 21	5 7	10 1	3 17	1 56	6 27	25 47	2 13	23 49	0 15	22 34	0 21	18 0	0 39	21 22	1 18	19 31	15 47	10 14	10 35	9 23	15 0	6 12
S 18	1 19	26 22	5 13	10 3	3 18	2 12	6 15	25 46	2 13	23 49	0 16	22 34	0 21	17 59	0 39	21 22	1 18	19 31	15 47	10 15	10 37	9 20	15 0	6 13
S 19	1 43	28 3	5 3	10 1	3 18	2 28	6 2	25 45	2 12	23 49	0 16	22 33	0 21	17 58	0 39	21 22	1 18	19 31	15 47	10 16	10 38	9 17	14 59	6 13
M20	2 6	28 10	4 37	9 55	3 16	2 42	5 49	25 45	2 11	23 49	0 16	22 33	0 21	17 58	0 39	21 22	1 18	19 30	15 47	10 16	10 39	9 13	14 58	6 13
T 21	2 30	26 35	3 55	9 46	3 13	2 56	5 37	25 44	2 10	23 49	0 16	22 33	0 21	17 57	0 39	21 23	1 18	19 30	15 47	10 16	10 40	9 10	14 57	6 14
W22	2 53	23 20	2 57	9 33	3 8	3 9	5 24	25 42	2 9	23 49	0 16	22 33	0 21	17 57	0 39	21 23	1 18	19 29	15 47	10 16	10 41	9 7	14 56	6 14
T 23	3 16	18 36	1 48	9 16	3 2	3 21	5 11	25 41	2 9	23 49	0 16	22 33	0 21	17 56	0 39	21 23	1 18	19 29	15 47	10 15	10 42	9 3	14 55	6 15
F 24	3 40	12 41	0 30	8 57	2 54	3 33	4 58	25 40	2 8	23 49	0 16	22 32	0 21	17 55	0 39	21 23	1 18	19 28	15 47	10 15	10 43	9 0	14 54	6 15
S 25	4 3	5 57	0n51	8 34	2 45	3 43	4 45	25 39	2 7	23 49	0 16	22 32	0 21	17 55	0 39	21 23	1 18	19 28	15 48	10 15	10 45	8 57	14 53	6 16
S 26	4 26	1n 8	2 9	8 9	2 34	3 52	4 32	25 37	2 6	23 49	0 16	22 32	0 21	17 54	0 39	21 23	1 18	19 27	15 48	10 16	10 46	8 54	14 52	6 16
M27	4 49	8 9	3 18	7 42	2 22	4 1	4 19	25 35	2 6	23 49	0 16	22 32	0 21	17 54	0 39	21 24	1 18	19 27	15 48	10 17	10 47	8 50	14 52	6 17
T 28	5 12	14 37	4 12	7 13	2 8	4 9	4 7	25 34	2 5	23 49	0 16	22 32	0 21	17 53	0 39	21 24	1 18	19 27	15 48	10 19	10 48	8 47	14 51	6 17
W29	5 35	20 9	4 49	6 43	1 54	4 15	3 54	25 32	2 4	23 49	0 16	22 32	0 21	17 52	0 39	21 24	1 18	19 26	15 48	10 21	10 49	8 44	14 50	6 18
T 30	5 58	24 24	5 8	6 12	1 39	4 21	3 42	25 30	2 3	23 49	0 16	22 31	0 21	17 52	0 39	21 24	1 18	19 26	15 48	10 24	10 50	8 41	14 49	6 18
F 31	6n20	27n 8	5n 8	5n41	1n23	4s26	3n30	25n28	2n 2	23n49	0n16	22s31	0n21	17s51	0s39	21n24	1s18	19s25	15s49	10s26	10s51	8n37	14s48	6n18

Julian Day Number = 2114491.5, Delta T = 18m59s
Ecliptic obliquity = 23°33'41, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°52'33, Lahiri = 10°59'34 Julian Calendar 1 March 1077 == Greg. Calendar 7 March 1077

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1077
geocentric

APRIL 1077 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 0 39	17♈ 0'44	23♊10	10°R24	10♓49	6♋27	2♋26	13♑38	12♒13	14♊51	17♓35	3°R 0	1♓50	6♍58	26♑19	S 1
S 2	13 4 36	17°59'12	5♋57	9♈46	11° 9	6°56	2°34	13°39	12°15	14°52	17°37	2♓58	1°47	7° 5	26°20	S 2
M 3	13 8 33	18°57'38	18°22	9°10	11°32	7°26	2°41	13°41	12°17	14°53	17°38	2°D57	1°44	7°12	26°22	M 3
T 4	13 12 29	19°56'02	0♌30	8°38	11°56	7°57	2°49	13°42	12°19	14°55	17°39	2°58	1°40	7°18	26°24	T 4
W 5	13 16 26	20°54'24	12°26	8°10	12°22	8°27	2°56	13°43	12°20	14°56	17°41	2°59	1°37	7°25	26°25	W 5
T 6	13 20 22	21°52'43	24°14	7°46	12°49	8°57	3° 4	13°44	12°22	14°58	17°42	3° 0	1°34	7°32	26°27	T 6
F 7	13 24 19	22°51'01	6♍ 1	7°26	13°18	9°28	3°12	13°45	12°24	14°59	17°43	3°R 0	1°31	7°38	26°28	F 7
S 8	13 28 15	23°49'16	17°50	7°12	13°49	9°58	3°21	13°46	12°26	15° 1	17°45	2°59	1°28	7°45	26°30	S 8
S 9	13 32 12	24°47'30	29°45	7° 1	14°21	10°29	3°29	13°47	12°27	15° 2	17°46	2°56	1°24	7°52	26°31	S 9
M10	13 36 8	25°45'41	11♎48	6°56	14°54	11° 0	3°37	13°48	12°29	15° 4	17°47	2°50	1°21	7°58	26°32	M10
T 11	13 40 5	26°43'51	24° 2	6°D56	15°29	11°31	3°46	13°49	12°30	15° 5	17°48	2°42	1°18	8° 5	26°33	T 11
W12	13 44 1	27°41'59	6♏29	7° 0	16° 4	12° 2	3°54	13°49	12°32	15° 7	17°50	2°33	1°15	8°12	26°34	W12
T 13	13 47 58	28°40'05	19° 7	7° 9	16°42	12°33	4° 3	13°50	12°33	15° 9	17°51	2°23	1°12	8°18	26°35	T 13
F 14	13 51 55	29°38'09	1♐59	7°23	17°20	13° 4	4°12	13°50	12°34	15°10	17°52	2°13	1° 9	8°25	26°36	F 14
S 15	13 55 51	0♑36'13	15° 2	7°42	17°59	13°36	4°21	13°50	12°36	15°12	17°53	2° 4	1° 5	8°32	26°37	S 15
S 16	13 59 48	1°34'14	28°19	8° 5	18°40	14° 7	4°30	13°50	12°37	15°14	17°54	1°58	1° 2	8°38	26°38	S 16
M17	14 3 44	2°32'15	11♑47	8°32	19°21	14°39	4°39	13°R51	12°38	15°16	17°56	1°54	0°59	8°45	26°39	M17
T 18	14 7 41	3°30'13	25°28	9° 4	20° 4	15°10	4°48	13°50	12°39	15°17	17°57	1°52	0°56	8°51	26°39	T 18
W19	14 11 37	4°28'11	9♒23	9°39	20°47	15°42	4°58	13°50	12°41	15°19	17°58	1°D52	0°53	8°58	26°40	W19
T 20	14 15 34	5°26'07	23°30	10°19	21°32	16°14	5° 7	13°50	12°42	15°21	17°59	1°52	0°50	9° 5	26°40	T 20
F 21	14 19 30	6°24'02	7♓50	11° 2	22°17	16°46	5°17	13°50	12°43	15°23	18° 0	1°R52	0°46	9°11	26°41	F 21
S 22	14 23 27	7°21'56	22°20	11°48	23° 4	17°18	5°27	13°49	12°44	15°25	18° 1	1°51	0°43	9°18	26°41	S 22
S 23	14 27 24	8°19'48	6♈57	12°39	23°51	17°50	5°36	13°49	12°45	15°26	18° 2	1°47	0°40	9°25	26°42	S 23
M24	14 31 20	9°17'39	21°34	13°32	24°38	18°23	5°46	13°48	12°45	15°28	18° 3	1°40	0°37	9°31	26°42	M24
T 25	14 35 17	10°15'28	6♉ 5	14°29	25°27	18°55	5°56	13°48	12°46	15°30	18° 4	1°31	0°34	9°38	26°42	T 25
W26	14 39 13	11°13'16	20°24	15°29	26°16	19°27	6° 6	13°47	12°47	15°32	18° 5	1°21	0°30	9°45	26°R42	W26
T 27	14 43 10	12°11'03	4♊24	16°32	27° 6	20° 0	6°17	13°46	12°48	15°34	18° 6	1°10	0°27	9°51	26°42	T 27
F 28	14 47 6	13° 8'48	18° 1	17°38	27°57	20°33	6°27	13°45	12°49	15°36	18° 7	1° 0	0°24	9°58	26°42	F 28
S 29	14 51 3	14° 6'32	1♋13	18°46	28°48	21° 5	6°37	13°44	12°49	15°38	18° 8	0°51	0°21	10° 5	26°42	S 29
S 30	14 54 59	15♉ 4'14	14♋ 1	19♈58	29♓40	21♋38	6♋48	13♑43	12♒50	15♊40	18♓ 9	0♓45	0♓18	10♍11	26♑42	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n43	28n14	4n51	5n10	1n 7	4s30	3n18	25n26	2n 2	23n49	0n16	22s31	0n21	17s51	0s39	21n25	1s18	19s25	15s49	10s27	10s53	8n34	14s48	6n19
S 2	7 5	27 46	4 20	4 39	0 50	4 33	3 6	25 23	2 1	23 49	0 17	22 31	0 20	17 50	0 39	21 25	1 18	19 25	15 49	10 28	10 54	8 31	14 47	6 19
M 3	7 28	25 54	3 38	4 10	0 34	4 35	2 55	25 21	2 0	23 49	0 17	22 31	0 20	17 50	0 39	21 25	1 17	19 24	15 49	10 28	10 55	8 27	14 46	6 20
T 4	7 50	22 52	2 47	3 42	0 17	4 36	2 43	25 19	1 59	23 49	0 17	22 31	0 20	17 49	0 39	21 25	1 17	19 24	15 49	10 28	10 56	8 24	14 45	6 20
W 5	8 12	18 54	1 49	3 15	0 0	4 37	2 32	25 16	1 59	23 48	0 17	22 31	0 20	17 49	0 39	21 25	1 17	19 24	15 50	10 28	10 57	8 21	14 44	6 21
T 6	8 34	14 15	0 47	2 51	0s16	4 37	2 21	25 13	1 58	23 48	0 17	22 31	0 20	17 49	0 40	21 26	1 17	19 23	15 50	10 27	10 58	8 17	14 44	6 21
F 7	8 56	9 6	0s16	2 29	0 32	4 35	2 10	25 10	1 57	23 48	0 17	22 31	0 20	17 48	0 40	21 26	1 17	19 23	15 50	10 27	10 59	8 14	14 43	6 22
S 8	9 17	3 37	1 19	2 9	0 47	4 34	2 0	25 7	1 57	23 48	0 17	22 31	0 20	17 48	0 40	21 26	1 17	19 23	15 50	10 28	11 1	8 11	14 42	6 22
S 9	9 39	2s 1	2 19	1 51	1 2	4 31	1 49	25 4	1 56	23 48	0 17	22 31	0 20	17 47	0 40	21 26	1 17	19 22	15 50	10 29	11 2	8 8	14 42	6 23
M10	10 0	7 39	3 13	1 36	1 16	4 27	1 39	25 1	1 55	23 48	0 17	22 31	0 20	17 47	0 40	21 26	1 17	19 22	15 51	10 31	11 3	8 4	14 41	6 23
T 11	10 21	13 4	3 59	1 24	1 29	4 23	1 29	24 58	1 54	23 48	0 17	22 31	0 20	17 46	0 40	21 27	1 17	19 22	15 51	10 34	11 4	8 1	14 40	6 24
W12	10 42	18 3	4 34	1 14	1 42	4 18	1 20	24 54	1 54	23 47	0 17	22 31	0 20	17 46	0 40	21 27	1 17	19 21	15 51	10 37	11 5	7 58	14 39	6 24
T 13	11 3	22 21	4 57	1 7	1 54	4 12	1 10	24 50	1 53	23 47	0 17	22 31	0 20	17 46	0 40	21 27	1 17	19 21	15 51	10 41	11 6	7 54	14 39	6 25
F 14	11 24	25 38	5 5	1 2	2 5	4 6	1 1	24 47	1 52	23 47	0 17	22 31	0 20	17 45	0 40	21 27	1 17	19 21	15 52	10 44	11 7	7 51	14 38	6 25
S 15	11 44	27 38	4 57	1 1	2 15	3 58	0 52	24 43	1 52	23 47	0 17	22 31	0 20	17 45	0 40	21 28	1 17	19 21	15 52	10 47	11 9	7 48	14 38	6 26
S 16	12 5	28 7	4 34	1 1	2 24	3 51	0 43	24 39	1 51	23 46	0 17	22 31	0 20	17 45	0 40	21 28	1 17	19 20	15 52	10 50	11 10	7 44	14 37	6 26
M17	12 25	26 56	3 55	1 4	2 32	3 42	0 35	24 35	1 50	23 46	0 17	22 31	0 20	17 44	0 40	21 28	1 17	19 20	15 52	10 51	11 11	7 41	14 36	6 27
T 18	12 45	24 8	3 2	1 10	2 40	3 33	0 26	24 30	1 49	23 46	0 18	22 31	0 20	17 44	0 40	21 28	1 17	19 20	15 53	10 52	11 12	7 38	14 36	6 27
W19	13 5	19 53	1 57	1 18	2 46	3 23	0 18	24 26	1 49	23 46	0 18	22 31	0 20	17 44	0 40	21 28	1 17	19 20	15 53	10 52	11 13	7 35	14 35	6 28
T 20	13 24	14 27	0 45	1 28	2 52	3 13	0 11	24 21	1 48	23 45	0 18	22 31	0 20	17 44	0 40	21 29	1 17	19 20	15 53	10 52	11 14	7 31	14 35	6 28
F 21	13 43	8 11	0n32	1 40	2 57	3 2	0 3	24 17	1 47	23 45	0 18	22 31	0 20	17 43	0 40	21 29	1 17	19 19	15 53	10 52	11 15	7 28	14 34	6 29
S 22	14 2	1 25	1 47	1 55	3 1	2 50	0s 5	24 12	1 47	23 45	0 18	22 31	0 19	17 43	0 40	21 29	1 17	19 19	15 54	10 52	11 16	7 25	14 33	6 29
S 23	14 21	5n27	2 55	2 11	3 5	2 38	0 12	24 7	1 46	23 44	0 18	22 31	0 19	17 43	0 40	21 29	1 17	19 19	15 54	10 54	11 18	7 21	14 33	6 30
M24	14 40	12 2	3 52	2 29	3 8	2 26	0 19	24 2	1 45	23 44	0 18	22 31	0 19	17 43	0 40	21 30	1 17	19 19	15 54	10 56	11 19	7 18	14 32	6 30
T 25	14 58	17 55	4 34	2 49	3 10	2 13	0 26	23 57	1 45	23 44	0 18	22 31	0 19	17 42	0 40	21 30	1 17	19 19	15 55	10 59	11 20	7 15	14 32	6 31
W26	15 16	22 42	4 57	3 11	3 11	1 59	0 32	23 51	1 44	23 43	0 18	22 31	0 19	17 42	0 40	21 30	1 17	19 19	15 55	11 3	11 21	7 11	14 31	6 31
T 27	15 34	26 4	5 2	3 35	3 11	1 45	0 39	23 46	1 43	23 43	0 18	22 32	0 19	17 42	0 40	21 30	1 17	19 18	15 55	11 7	11 22	7 8	14 31	6 31
F 28	15 52	27 49	4 49	4 1	3 11	1 30	0 45	23 40	1 43	23 42	0 18	22 32	0 19	17 42	0 40	21 31	1 17	19 18	15 55	11 11	11 23	7 5	14 30	6 32
S 29	16 9	27 55	4 21	4 27	3 10	1 15	0 51	23 34	1 42	23 42	0 18	22 32	0 19	17 42	0 40	21 31	1 17	19 18	15 56	11 14	11 24	7 1	14 30	6 32
S 30	16n26	26n29	3n41	4n56	3s 9	1s 0	0s57	23n29	1n41	23n41	0n18	22s32	0n19	17s42	0s40	21n31	1s16	19s18	15s56	11s16	11s25	6n58	14s30	6n33

Julian Day Number = 2114522.5, Delta T = 18m59s
Ecliptic obliquity = 23°33'40, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°52'37, Lahiri = 10°59'38 Julian Calendar 1 Apr. 1077 == Greg. Calendar 7 Apr. 1077

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1077
geocentric

MAY 1077 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 58 56	16♉ 1'55	26♋27	21♈12	0♈33	22♋11	6♋58	13°R41	12♒50	15♊42	18♓10	0°R42	0♓15	10♍18	26°R41	M 1
T 2	15 2 53	16°59'34	8♌36	22°29	1°26	22°44	7° 9	13♑40	12°51	15°44	18°11	0♓40	0°11	10°25	26♑41	T 2
W 3	15 6 49	17°57'11	20°33	23°48	2°19	23°17	7°20	13°38	12°51	15°46	18°12	0°D40	0° 8	10°31	26°40	W 3
T 4	15 10 46	18°54'47	2♍23	25°10	3°13	23°50	7°30	13°37	12°52	15°48	18°13	0°R40	0° 5	10°38	26°40	T 4
F 5	15 14 42	19°52'21	14°11	26°35	4° 8	24°24	7°41	13°35	12°52	15°50	18°13	0°39	0° 2	10°44	26°39	F 5
S 6	15 18 39	20°49'54	26° 2	28° 2	5° 3	24°57	7°52	13°34	12°52	15°52	18°14	0°37	29♒59	10°51	26°39	S 6
S 7	15 22 35	21°47'25	8♎ 2	29°31	5°59	25°30	8° 3	13°32	12°53	15°54	18°15	0°32	29°55	10°58	26°38	S 7
M 8	15 26 32	22°44'55	20°13	1♉ 3	6°55	26° 4	8°14	13°30	12°53	15°56	18°16	0°25	29°52	11° 4	26°37	M 8
T 9	15 30 28	23°42'24	2♏39	2°37	7°52	26°37	8°26	13°28	12°53	15°58	18°17	0°15	29°49	11°11	26°36	T 9
W10	15 34 25	24°39'51	15°21	4°14	8°49	27°11	8°37	13°26	12°53	16° 0	18°17	0° 3	29°46	11°18	26°35	W10
T 11	15 38 22	25°37'18	28°19	5°54	9°46	27°45	8°48	13°24	12°53	16° 2	18°18	29♒51	29°43	11°24	26°34	T 11
F 12	15 42 18	26°34'44	11♐32	7°35	10°44	28°18	9° 0	13°21	12°R53	16° 5	18°19	29°38	29°40	11°31	26°33	F 12
S 13	15 46 15	27°32'08	24°58	9°19	11°42	28°52	9°11	13°19	12°53	16° 7	18°19	29°27	29°36	11°38	26°32	S 13
S 14	15 50 11	28°29'32	8♑35	11° 6	12°41	29°26	9°23	13°17	12°53	16° 9	18°20	29°19	29°33	11°44	26°31	S 14
M15	15 54 8	29°26'55	22°21	12°55	13°40	0♌ 0	9°34	13°14	12°53	16°11	18°21	29°13	29°30	11°51	26°30	M15
T 16	15 58 4	0♊24'18	6♒15	14°46	14°39	0°34	9°46	13°12	12°53	16°13	18°21	29°10	29°27	11°58	26°28	T 16
W17	16 2 1	1°21'39	20°14	16°39	15°39	1° 8	9°58	13° 9	12°53	16°15	18°22	29° 9	29°24	12° 4	26°27	W17
T 18	16 5 58	2°19'01	4♓19	18°35	16°39	1°43	10°10	13° 6	12°52	16°17	18°23	29° 9	29°21	12°11	26°26	T 18
F 19	16 9 54	3°16'21	18°28	20°33	17°40	2°17	10°21	13° 3	12°52	16°20	18°23	29° 8	29°17	12°18	26°24	F 19
S 20	16 13 51	4°13'41	2♈41	22°33	18°40	2°51	10°33	13° 0	12°52	16°22	18°24	29° 7	29°14	12°24	26°22	S 20
S 21	16 17 47	5°11'01	16°55	24°35	19°41	3°25	10°45	12°57	12°51	16°24	18°24	29° 2	29°11	12°31	26°21	S 21
M22	16 21 44	6° 8'20	1♉ 7	26°39	20°43	4° 0	10°57	12°54	12°51	16°26	18°25	28°55	29° 8	12°37	26°19	M22
T 23	16 25 40	7° 5'38	15°14	28°45	21°44	4°34	11° 9	12°51	12°50	16°28	18°25	28°45	29° 5	12°44	26°17	T 23
W24	16 29 37	8° 2'57	29°10	0♊52	22°46	5° 9	11°22	12°48	12°50	16°31	18°26	28°34	29° 1	12°51	26°15	W24
T 25	16 33 33	9° 0'14	12♊51	3° 1	23°48	5°44	11°34	12°45	12°49	16°33	18°26	28°22	28°58	12°57	26°14	T 25
F 26	16 37 30	9°57'31	26°14	5°11	24°50	6°18	11°46	12°42	12°48	16°35	18°26	28°11	28°55	13° 4	26°12	F 26
S 27	16 41 27	10°54'47	9♋17	7°22	25°53	6°53	11°58	12°38	12°48	16°37	18°27	28° 1	28°52	13°11	26°10	S 27
S 28	16 45 23	11°52'03	21°59	9°33	26°56	7°28	12°11	12°35	12°47	16°40	18°27	27°54	28°49	13°17	26° 8	S 28
M29	16 49 20	12°49'18	4♌23	11°45	27°59	8° 3	12°23	12°31	12°46	16°42	18°27	27°50	28°46	13°24	26° 5	M29
T 30	16 53 16	13°46'32	16°31	13°56	29° 2	8°38	12°36	12°28	12°45	16°44	18°28	27°48	28°42	13°31	26° 3	T 30
W31	16 57 13	14♊43'45	28♌27	16♊ 8	0♉ 6	9♌13	12♋48	12♑24	12♒44	16♊46	18♓28	27°D47	28♒39	13♍37	26♑ 1	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n43	23n46	2n51	5n26	3s 7	0s44	1s 2	23n23	1n41	23n41	0n18	22s32	0n19	17s41	0s40	21n31	1s16	19s18	15s56	11s17	11s27	6n55	14s29	6n33
T 2	17 0	20 2	1 54	5 57	3 4	0 28	1 8	23 16	1 40	23 40	0 18	22 32	0 19	17 41	0 40	21 32	1 16	19 18	15 57	11 18	11 28	6 51	14 29	6 34
W 3	17 16	15 33	0 53	6 30	3 0	0 11	1 13	23 10	1 39	23 40	0 18	22 33	0 19	17 41	0 41	21 32	1 16	19 18	15 57	11 18	11 29	6 48	14 28	6 34
T 4	17 32	10 32	0s 9	7 3	2 56	0n 6	1 18	23 4	1 39	23 39	0 19	22 33	0 19	17 41	0 41	21 32	1 16	19 18	15 57	11 18	11 30	6 45	14 28	6 35
F 5	17 48	5 10	1 11	7 38	2 51	0 23	1 23	22 57	1 38	23 39	0 19	22 33	0 19	17 41	0 41	21 32	1 16	19 18	15 58	11 18	11 31	6 41	14 28	6 35
S 6	18 3	0s24	2 10	8 14	2 46	0 41	1 28	22 51	1 37	23 38	0 19	22 33	0 19	17 41	0 41	21 33	1 16	19 18	15 58	11 19	11 32	6 38	14 27	6 36
S 7	18 18	6 1	3 4	8 51	2 40	0 59	1 32	22 44	1 37	23 38	0 19	22 34	0 19	17 41	0 41	21 33	1 16	19 18	15 58	11 20	11 33	6 35	14 27	6 36
M 8	18 33	11 30	3 50	9 29	2 34	1 17	1 37	22 37	1 36	23 37	0 19	22 34	0 19	17 41	0 41	21 33	1 16	19 18	15 59	11 23	11 34	6 31	14 27	6 37
T 9	18 48	16 37	4 27	10 8	2 27	1 36	1 41	22 30	1 35	23 36	0 19	22 34	0 19	17 41	0 41	21 33	1 16	19 18	15 59	11 26	11 36	6 28	14 26	6 37
W10	19 2	21 9	4 51	10 48	2 20	1 54	1 45	22 22	1 35	23 36	0 19	22 34	0 18	17 41	0 41	21 33	1 16	19 18	15 59	11 31	11 37	6 25	14 26	6 38
T 11	19 16	24 45	5 0	11 29	2 12	2 14	1 49	22 15	1 34	23 35	0 19	22 35	0 18	17 41	0 41	21 34	1 16	19 18	16 0	11 35	11 38	6 21	14 26	6 38
F 12	19 29	27 8	4 54	12 10	2 4	2 33	1 52	22 8	1 33	23 34	0 19	22 35	0 18	17 41	0 41	21 34	1 16	19 18	16 0	11 39	11 39	6 18	14 26	6 39
S 13	19 43	27 59	4 32	12 51	1 55	2 53	1 56	22 0	1 33	23 34	0 19	22 35	0 18	17 41	0 41	21 34	1 16	19 18	16 0	11 43	11 40	6 15	14 25	6 39
S 14	19 56	27 10	3 53	13 33	1 46	3 12	1 59	21 52	1 32	23 33	0 19	22 36	0 18	17 41	0 41	21 34	1 16	19 18	16 1	11 46	11 41	6 11	14 25	6 39
M15	20 8	24 41	3 1	14 16	1 36	3 33	2 2	21 44	1 31	23 32	0 19	22 36	0 18	17 41	0 41	21 35	1 16	19 18	16 1	11 48	11 42	6 8	14 25	6 40
T 16	20 20	20 42	1 58	14 58	1 27	3 53	2 5	21 36	1 31	23 31	0 19	22 36	0 18	17 41	0 41	21 35	1 16	19 18	16 1	11 49	11 43	6 5	14 25	6 40
W17	20 32	15 33	0 47	15 41	1 16	4 13	2 8	21 28	1 30	23 30	0 19	22 36	0 18	17 41	0 41	21 35	1 16	19 18	16 2	11 50	11 45	6 1	14 25	6 41
T 18	20 44	9 33	0n27	16 23	1 6	4 34	2 11	21 20	1 29	23 30	0 19	22 37	0 18	17 41	0 41	21 35	1 16	19 18	16 2	11 50	11 46	5 58	14 24	6 41
F 19	20 55	3 3	1 40	17 5	0 55	4 55	2 13	21 12	1 29	23 29	0 20	22 37	0 18	17 42	0 41	21 36	1 16	19 18	16 2	11 50	11 47	5 55	14 24	6 42
S 20	21 6	3n38	2 47	17 47	0 45	5 16	2 16	21 3	1 28	23 28	0 20	22 38	0 18	17 42	0 41	21 36	1 16	19 19	16 3	11 51	11 48	5 51	14 24	6 42
S 21	21 16	10 7	3 44	18 28	0 34	5 37	2 18	20 54	1 28	23 27	0 20	22 38	0 18	17 42	0 41	21 36	1 16	19 19	16 3	11 52	11 49	5 48	14 24	6 42
M22	21 27	16 5	4 27	19 8	0 23	5 58	2 20	20 46	1 27	23 26	0 20	22 38	0 18	17 42	0 41	21 36	1 16	19 19	16 3	11 55	11 50	5 45	14 24	6 43
T 23	21 36	21 8	4 53	19 48	0 12	6 19	2 22	20 37	1 26	23 25	0 20	22 39	0 18	17 42	0 41	21 37	1 16	19 19	16 4	11 58	11 51	5 41	14 24	6 43
W24	21 46	24 58	5 1	20 25	0 1	6 40	2 24	20 28	1 26	23 24	0 20	22 39	0 18	17 42	0 41	21 37	1 16	19 19	16 4	12 2	11 52	5 38	14 24	6 44
T 25	21 55	27 16	4 51	21 2	0n10	7 2	2 25	20 19	1 25	23 23	0 20	22 39	0 18	17 43	0 41	21 37	1 16	19 19	16 5	12 6	11 53	5 35	14 24	6 44
F 26	22 3	27 56	4 26	21 37	0 20	7 23	2 27	20 9	1 24	23 22	0 20	22 40	0 17	17 43	0 41	21 37	1 16	19 19	16 5	12 10	11 55	5 31	14 24	6 44
S 27	22 12	27 1	3 47	22 9	0 31	7 45	2 28	20 0	1 24	23 21	0 20	22 40	0 17	17 43	0 41	21 38	1 16	19 20	16 5	12 13	11 56	5 28	14 24	6 45
S 28	22 20	24 41	2 58	22 40	0 41	8 6	2 29	19 50	1 23	23 20	0 20	22 41	0 17	17 43	0 41	21 38	1 16	19 20	16 6	12 16	11 57	5 25	14 24	6 45
M29	22 27	21 13	2 1	23 8	0 50	8 28	2 31	19 41	1 23	23 19	0 20	22 41	0 17	17 44	0 42	21 38	1 16	19 20	16 6	12 17	11 58	5 21	14 24	6 46
T 30	22 34	16 55	1 0	23 34	0 59	8 50	2 32	19 31	1 22	23 18	0 20	22 41	0 17	17 44	0 42	21 38	1 16	19 20	16 6	12 18	11 59	5 18	14 24	6 46
W31	22n41	12n 1	0s 4	23n57	1n 7	9n11	2s32	19n21	1n21	23n17	0n20	22s42	0n17	17s44	0s42	21n38	1s16	19s20	16s 7	12s18	12s 0	5n15	14s24	6n46

Julian Day Number = 2114552.5, Delta T = 18m59s
Ecliptic obliquity = 23°33'40, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°52'42, Lahiri = 10°59'42 Julian Calendar 1 May 1077 == Greg. Calendar 7 May 1077

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1077
geocentric

JUNE 1077 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 1 9	15♊40'58	10♍18	18♊19	1♉10	9♌48	13♋ 1	12°R20	12°R43	16♊49	18♓28	27°R47	28♒36	13♍44	25°R59	T 1
F 2	17 5 6	16°38'10	22° 7	20°29	2°14	10°23	13°13	12♑17	12♒42	16°51	18°29	27♒47	28°33	13°51	25♑56	F 2
S 3	17 9 2	17°35'21	4♎ 0	22°38	3°18	10°58	13°26	12°13	12°41	16°53	18°29	27°46	28°30	13°57	25°54	S 3
S 4	17 12 59	18°32'32	16° 2	24°46	4°22	11°34	13°38	12° 9	12°40	16°55	18°29	27°43	28°27	14° 4	25°52	S 4
M 5	17 16 56	19°29'42	28°19	26°53	5°27	12° 9	13°51	12° 5	12°39	16°57	18°29	27°37	28°23	14°11	25°49	M 5
T 6	17 20 52	20°26'52	10♏52	28°59	6°31	12°44	14° 4	12° 1	12°38	17° 0	18°29	27°29	28°20	14°17	25°46	T 6
W 7	17 24 49	21°24'02	23°46	1♋ 2	7°36	13°20	14°17	11°57	12°37	17° 2	18°30	27°20	28°17	14°24	25°44	W 7
T 8	17 28 45	22°21'11	7♐ 0	3° 4	8°41	13°55	14°29	11°53	12°36	17° 4	18°30	27° 9	28°14	14°31	25°41	T 8
F 9	17 32 42	23°18'20	20°33	5° 4	9°47	14°31	14°42	11°49	12°34	17° 6	18°30	26°59	28°11	14°37	25°39	F 9
S 10	17 36 38	24°15'29	4♑22	7° 2	10°52	15° 6	14°55	11°45	12°33	17° 9	18°30	26°50	28° 7	14°44	25°36	S 10
S 11	17 40 35	25°12'38	18°24	8°59	11°58	15°42	15° 8	11°41	12°32	17°11	18°30	26°43	28° 4	14°51	25°33	S 11
M12	17 44 31	26° 9'47	2♒35	10°53	13° 4	16°18	15°21	11°37	12°30	17°13	18°30	26°38	28° 1	14°57	25°30	M12
T 13	17 48 28	27° 6'56	16°50	12°45	14°10	16°54	15°34	11°33	12°29	17°15	18°R30	26°36	27°58	15° 4	25°27	T 13
W14	17 52 25	28° 4'05	1♓ 5	14°35	15°16	17°29	15°47	11°28	12°28	17°18	18°30	26°D36	27°55	15°10	25°25	W14
T 15	17 56 21	29° 1'14	15°19	16°24	16°22	18° 5	16° 0	11°24	12°26	17°20	18°30	26°36	27°52	15°17	25°22	T 15
F 16	18 0 18	29°58'24	29°29	18°10	17°28	18°41	16°13	11°20	12°25	17°22	18°30	26°R37	27°48	15°24	25°19	F 16
S 17	18 4 14	0♋55'34	13♈33	19°54	18°35	19°17	16°26	11°16	12°23	17°24	18°30	26°36	27°45	15°30	25°16	S 17
S 18	18 8 11	1°52'45	27°32	21°36	19°42	19°53	16°39	11°11	12°21	17°26	18°30	26°33	27°42	15°37	25°13	S 18
M19	18 12 7	2°49'56	11♉23	23°16	20°49	20°29	16°52	11° 7	12°20	17°28	18°29	26°29	27°39	15°44	25°10	M19
T 20	18 16 4	3°47'08	25° 5	24°54	21°56	21° 5	17° 5	11° 2	12°18	17°31	18°29	26°22	27°36	15°50	25° 6	T 20
W21	18 20 0	4°44'20	8♊35	26°30	23° 3	21°42	17°19	10°58	12°16	17°33	18°29	26°14	27°33	15°57	25° 3	W21
T 22	18 23 57	5°41'33	21°52	28° 4	24°10	22°18	17°32	10°54	12°15	17°35	18°29	26° 5	27°29	16° 4	25° 0	T 22
F 23	18 27 54	6°38'45	4♋55	29°36	25°18	22°54	17°45	10°49	12°13	17°37	18°29	25°57	27°26	16°10	24°57	F 23
S 24	18 31 50	7°35'59	17°41	1♌ 6	26°25	23°31	17°58	10°45	12°11	17°39	18°28	25°50	27°23	16°17	24°54	S 24
S 25	18 35 47	8°33'12	0♌12	2°33	27°33	24° 7	18°11	10°40	12° 9	17°41	18°28	25°45	27°20	16°24	24°50	S 25
M26	18 39 43	9°30'26	12°28	3°59	28°41	24°44	18°25	10°36	12° 7	17°43	18°28	25°42	27°17	16°30	24°47	M26
T 27	18 43 40	10°27'40	24°31	5°22	29°49	25°20	18°38	10°31	12° 5	17°46	18°28	25°D41	27°13	16°37	24°44	T 27
W28	18 47 36	11°24'54	6♍26	6°43	0♊57	25°57	18°51	10°27	12° 3	17°48	18°27	25°42	27°10	16°44	24°41	W28
T 29	18 51 33	12°22'09	18°15	8° 2	2° 5	26°33	19° 4	10°23	12° 1	17°50	18°27	25°43	27° 7	16°50	24°37	T 29
F 30	18 55 30	13♋19'23	0♎ 4	9♌19	3♊13	27♌10	19♋18	10♑18	11♒59	17♊52	18♓26	25♒44	27♒ 4	16♍57	24♑34	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n47	6n44	1s 6	24n18	1n15	9n33	2s33	19n11	1n21	23n16	0n20	22s42	0n17	17s44	0s42	21n39	1s16	19s21	16s 7	12s18	12s 1	5n11	14s24	6n47
F 2	22 53	1 13	2 6	24 35	1 23	9 54	2 34	19 1	1 20	23 14	0 20	22 43	0 17	17 45	0 42	21 39	1 16	19 21	16 8	12 18	12 2	5 8	14 24	6 47
S 3	22 59	4s21	3 0	24 50	1 29	10 16	2 34	18 50	1 19	23 13	0 21	22 43	0 17	17 45	0 42	21 39	1 16	19 21	16 8	12 19	12 3	5 4	14 24	6 47
S 4	23 4	9 50	3 47	25 2	1 35	10 37	2 35	18 40	1 19	23 12	0 21	22 43	0 17	17 45	0 42	21 39	1 16	19 21	16 8	12 20	12 5	5 1	14 24	6 48
M 5	23 9	15 3	4 25	25 11	1 40	10 58	2 35	18 29	1 18	23 11	0 21	22 44	0 17	17 46	0 42	21 40	1 16	19 22	16 9	12 22	12 6	4 58	14 24	6 48
T 6	23 13	19 46	4 51	25 18	1 44	11 19	2 35	18 19	1 18	23 9	0 21	22 44	0 17	17 46	0 42	21 40	1 16	19 22	16 9	12 24	12 7	4 54	14 24	6 48
W 7	23 17	23 41	5 3	25 22	1 48	11 41	2 35	18 8	1 17	23 8	0 21	22 45	0 17	17 47	0 42	21 40	1 16	19 22	16 9	12 28	12 8	4 51	14 25	6 49
T 8	23 20	26 30	4 59	25 23	1 51	12 2	2 35	17 57	1 16	23 7	0 21	22 45	0 16	17 47	0 42	21 40	1 16	19 23	16 10	12 31	12 9	4 48	14 25	6 49
F 9	23 23	27 51	4 38	25 21	1 53	12 23	2 34	17 46	1 16	23 6	0 21	22 46	0 16	17 47	0 42	21 40	1 16	19 23	16 10	12 35	12 10	4 44	14 25	6 49
S 10	23 26	27 30	4 1	25 17	1 55	12 43	2 34	17 35	1 15	23 4	0 21	22 46	0 16	17 48	0 42	21 41	1 16	19 23	16 11	12 38	12 11	4 41	14 25	6 49
S 11	23 28	25 25	3 9	25 11	1 56	13 4	2 34	17 24	1 15	23 3	0 21	22 46	0 16	17 48	0 42	21 41	1 16	19 23	16 11	12 40	12 12	4 38	14 25	6 50
M12	23 30	21 42	2 5	25 2	1 56	13 24	2 33	17 12	1 14	23 1	0 21	22 47	0 16	17 49	0 42	21 41	1 16	19 24	16 11	12 42	12 13	4 34	14 26	6 50
T 13	23 32	16 42	0 52	24 52	1 55	13 45	2 32	17 1	1 13	23 0	0 21	22 47	0 16	17 49	0 42	21 41	1 16	19 24	16 12	12 43	12 14	4 31	14 26	6 50
W14	23 33	10 46	0n24	24 39	1 54	14 5	2 32	16 49	1 13	22 59	0 21	22 48	0 16	17 49	0 42	21 42	1 16	19 24	16 12	12 43	12 16	4 28	14 26	6 51
T 15	23 33	4 18	1 39	24 24	1 52	14 25	2 31	16 38	1 12	22 57	0 21	22 48	0 16	17 50	0 42	21 42	1 16	19 25	16 12	12 43	12 17	4 24	14 26	6 51
F 16	23 34	2n20	2 47	24 8	1 50	14 44	2 30	16 26	1 11	22 56	0 21	22 49	0 16	17 50	0 42	21 42	1 16	19 25	16 13	12 42	12 18	4 21	14 27	6 51
S 17	23 33	8 49	3 44	23 50	1 47	15 4	2 29	16 14	1 11	22 54	0 22	22 49	0 16	17 51	0 42	21 42	1 16	19 26	16 13	12 43	12 19	4 18	14 27	6 51
S 18	23 33	14 49	4 28	23 31	1 43	15 23	2 28	16 2	1 10	22 53	0 22	22 50	0 16	17 51	0 42	21 42	1 16	19 26	16 14	12 44	12 20	4 14	14 27	6 51
M19	23 32	20 0	4 56	23 10	1 39	15 42	2 26	15 50	1 10	22 51	0 22	22 50	0 16	17 52	0 42	21 43	1 16	19 26	16 14	12 45	12 21	4 11	14 28	6 52
T 20	23 30	24 5	5 6	22 48	1 34	16 0	2 25	15 38	1 9	22 49	0 22	22 51	0 16	17 52	0 42	21 43	1 16	19 27	16 14	12 48	12 22	4 7	14 28	6 52
W21	23 29	26 46	4 59	22 25	1 29	16 19	2 23	15 25	1 8	22 48	0 22	22 51	0 15	17 53	0 42	21 43	1 16	19 27	16 15	12 50	12 23	4 4	14 28	6 52
T 22	23 26	27 54	4 36	22 0	1 23	16 37	2 22	15 13	1 8	22 46	0 22	22 51	0 15	17 53	0 42	21 43	1 16	19 28	16 15	12 53	12 24	4 1	14 29	6 52
F 23	23 24	27 27	3 59	21 35	1 16	16 55	2 20	15 1	1 7	22 44	0 22	22 52	0 15	17 54	0 42	21 43	1 16	19 28	16 15	12 56	12 25	3 57	14 29	6 52
S 24	23 20	25 32	3 10	21 9	1 10	17 12	2 19	14 48	1 7	22 43	0 22	22 52	0 15	17 54	0 42	21 44	1 16	19 28	16 16	12 58	12 27	3 54	14 29	6 53
S 25	23 17	22 23	2 13	20 42	1 2	17 29	2 17	14 35	1 6	22 41	0 22	22 53	0 15	17 55	0 42	21 44	1 16	19 29	16 16	13 0	12 28	3 51	14 30	6 53
M26	23 13	18 17	1 11	20 14	0 55	17 46	2 15	14 22	1 5	22 39	0 22	22 53	0 15	17 55	0 42	21 44	1 16	19 29	16 16	13 1	12 29	3 47	14 30	6 53
T 27	23 9	13 31	0 6	19 46	0 46	18 3	2 13	14 9	1 5	22 38	0 22	22 54	0 15	17 56	0 42	21 44	1 16	19 30	16 17	13 1	12 30	3 44	14 31	6 53
W28	23 4	8 18	0s58	19 18	0 38	18 19	2 11	13 56	1 4	22 36	0 22	22 54	0 15	17 57	0 42	21 44	1 16	19 30	16 17	13 1	12 31	3 41	14 31	6 53
T 29	22 59	2 50	1 59	18 49	0 29	18 34	2 9	13 43	1 4	22 34	0 23	22 55	0 15	17 57	0 42	21 44	1 16	19 31	16 18	13 1	12 32	3 37	14 31	6 53
F 30	22n53	2s42	2s56	18n20	0n20	18n50	2s 7	13n30	1n 3	22n32	0n23	22s55	0n15	17s58	0s42	21n45	1s16	19s31	16s18	13s 0	12s33	3n34	14s32	6n53

Julian Day Number = 2114583.5, Delta T = 18m59s
Ecliptic obliquity = 23°33'39, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°52'46, Lahiri = 10°59'46 Julian Calendar 1 June 1077 == Greg. Calendar 7 June 1077

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1077
geocentric

JULY 1077 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 59 26	14♋16'38	11♎57	10♌33	4♊21	27♌47	19♋31	10°R14	11°R57	17♊54	18°R26	25°R45	27♒ 1	17♍ 4	24°R31	S 1
S 2	19 3 23	15°13'54	24° 0	11°45	5°30	28°24	19°44	10♑ 9	11♒55	17°56	18♓26	25♒45	26°58	17°10	24♑27	S 2
M 3	19 7 19	16°11'10	6♏17	12°55	6°38	29° 1	19°58	10° 5	11°53	17°58	18°25	25°43	26°54	17°17	24°24	M 3
T 4	19 11 16	17° 8'26	18°53	14° 2	7°47	29°37	20°11	10° 0	11°51	18° 0	18°25	25°39	26°51	17°24	24°20	T 4
W 5	19 15 12	18° 5'43	1♐51	15° 6	8°56	0♍14	20°24	9°56	11°49	18° 2	18°24	25°35	26°48	17°30	24°17	W 5
T 6	19 19 9	19° 3'00	15°13	16° 7	10° 5	0°51	20°38	9°52	11°47	18° 4	18°24	25°29	26°45	17°37	24°14	T 6
F 7	19 23 5	20° 0'18	28°58	17° 6	11°14	1°29	20°51	9°47	11°45	18° 6	18°23	25°23	26°42	17°44	24°10	F 7
S 8	19 27 2	20°57'36	13♑ 5	18° 2	12°23	2° 6	21° 4	9°43	11°43	18° 8	18°23	25°18	26°39	17°50	24° 7	S 8
S 9	19 30 59	21°54'56	27°29	18°55	13°32	2°43	21°17	9°39	11°40	18°10	18°22	25°15	26°35	17°57	24° 3	S 9
M10	19 34 55	22°52'16	12♒ 4	19°44	14°41	3°20	21°31	9°35	11°38	18°12	18°22	25°13	26°32	18° 3	24° 0	M10
T 11	19 38 52	23°49'37	26°44	20°30	15°51	3°57	21°44	9°30	11°36	18°14	18°21	25°D12	26°29	18°10	23°56	T 11
W12	19 42 48	24°46'59	11♓22	21°13	17° 0	4°35	21°57	9°26	11°34	18°16	18°20	25°13	26°26	18°17	23°53	W12
T 13	19 46 45	25°44'22	25°54	21°52	18°10	5°12	22°11	9°22	11°32	18°17	18°20	25°14	26°23	18°23	23°50	T 13
F 14	19 50 41	26°41'46	10♈16	22°27	19°20	5°49	22°24	9°18	11°29	18°19	18°19	25°15	26°19	18°30	23°46	F 14
S 15	19 54 38	27°39'12	24°24	22°58	20°30	6°27	22°37	9°14	11°27	18°21	18°18	25°R16	26°16	18°37	23°43	S 15
S 16	19 58 34	28°36'39	8♉17	23°25	21°39	7° 4	22°51	9°10	11°25	18°23	18°18	25°16	26°13	18°43	23°39	S 16
M17	20 2 31	29°34'07	21°56	23°47	22°50	7°42	23° 4	9° 6	11°22	18°25	18°17	25°14	26°10	18°50	23°36	M17
T 18	20 6 28	0♊31'37	5♊19	24° 5	24° 0	8°20	23°17	9° 2	11°20	18°26	18°16	25°12	26° 7	18°57	23°32	T 18
W19	20 10 24	1°29'08	18°28	24°18	25°10	8°57	23°30	8°58	11°18	18°28	18°16	25° 9	26° 4	19° 3	23°29	W19
T 20	20 14 21	2°26'41	1♋22	24°25	26°20	9°35	23°44	8°54	11°15	18°30	18°15	25° 5	26° 0	19°10	23°26	T 20
F 21	20 18 17	3°24'14	14° 3	24°R28	27°30	10°13	23°57	8°50	11°13	18°32	18°14	25° 2	25°57	19°17	23°22	F 21
S 22	20 22 14	4°21'49	26°31	24°26	28°41	10°51	24°10	8°46	11°11	18°33	18°13	24°59	25°54	19°23	23°19	S 22
S 23	20 26 10	5°19'26	8♌47	24°18	29°52	11°29	24°23	8°42	11° 8	18°35	18°12	24°57	25°51	19°30	23°16	S 23
M24	20 30 7	6°17'03	20°53	24° 4	1♋ 2	12° 7	24°36	8°39	11° 6	18°37	18°12	24°D57	25°48	19°37	23°12	M24
T 25	20 34 3	7°14'42	2♍50	23°45	2°13	12°45	24°50	8°35	11° 3	18°38	18°11	24°57	25°45	19°43	23° 9	T 25
W26	20 38 0	8°12'21	14°41	23°20	3°24	13°23	25° 3	8°31	11° 1	18°40	18°10	24°58	25°41	19°50	23° 6	W26
T 27	20 41 57	9°10'02	26°29	22°51	4°35	14° 1	25°16	8°28	10°59	18°41	18° 9	24°59	25°38	19°57	23° 3	T 27
F 28	20 45 53	10° 7'44	8♎17	22°16	5°45	14°39	25°29	8°24	10°56	18°43	18° 8	25° 0	25°35	20° 3	22°59	F 28
S 29	20 49 50	11° 5'27	20°10	21°36	6°57	15°17	25°42	8°21	10°54	18°45	18° 7	25° 1	25°32	20°10	22°56	S 29
S 30	20 53 46	12° 3'12	2♏12	20°52	8° 8	15°56	25°55	8°18	10°51	18°46	18° 6	25° 2	25°29	20°17	22°53	S 30
M31	20 57 43	13♌ 0'57	14♏27	20♌ 5	9♋19	16♍34	26♋ 8	8♑15	10♒49	18♊48	18♓ 5	25°R 2	25♒25	20♍23	22♑50	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n47	8s11	3s45	17n50	0n10	19n 5	2s 5	13n17	1n 2	22n30	0n23	22s55	0n15	17s58	0s42	21n45	1s16	19s32	16s18	13s 0	12s34	3n30	14s32	6n54
S 2	22 41	13 27	4 25	17 21	0s 0	19 19	2 3	13 3	1 2	22 29	0 23	22 56	0 14	17 59	0 42	21 45	1 16	19 32	16 19	13 0	12 35	3 27	14 33	6 54
M 3	22 34	18 17	4 53	16 51	0 11	19 33	2 0	12 50	1 1	22 27	0 23	22 56	0 14	18 0	0 43	21 45	1 16	19 33	16 19	13 1	12 36	3 24	14 33	6 54
T 4	22 27	22 28	5 9	16 22	0 21	19 47	1 58	12 36	1 1	22 25	0 23	22 57	0 14	18 0	0 43	21 45	1 16	19 33	16 19	13 2	12 37	3 20	14 34	6 54
W 5	22 20	25 41	5 9	15 53	0 32	20 0	1 55	12 23	1 0	22 23	0 23	22 57	0 14	18 1	0 43	21 46	1 16	19 34	16 20	13 4	12 39	3 17	14 34	6 54
T 6	22 12	27 35	4 53	15 24	0 43	20 13	1 53	12 9	0 59	22 21	0 23	22 57	0 14	18 1	0 43	21 46	1 16	19 34	16 20	13 5	12 40	3 14	14 35	6 54
F 7	22 4	27 53	4 20	14 55	0 55	20 25	1 50	11 55	0 59	22 19	0 23	22 58	0 14	18 2	0 43	21 46	1 16	19 35	16 20	13 7	12 41	3 10	14 35	6 54
S 8	21 55	26 24	3 30	14 27	1 7	20 37	1 48	11 41	0 58	22 17	0 23	22 58	0 14	18 3	0 43	21 46	1 16	19 35	16 21	13 9	12 42	3 7	14 36	6 54
S 9	21 46	23 9	2 26	13 59	1 19	20 48	1 45	11 27	0 58	22 15	0 23	22 59	0 14	18 3	0 43	21 46	1 16	19 36	16 21	13 10	12 43	3 4	14 37	6 54
M10	21 37	18 24	1 11	13 32	1 31	20 59	1 43	11 13	0 57	22 13	0 24	22 59	0 14	18 4	0 43	21 46	1 16	19 36	16 21	13 11	12 44	3 0	14 37	6 54
T 11	21 27	12 32	0n 8	13 6	1 43	21 9	1 40	10 59	0 56	22 11	0 24	23 0	0 14	18 4	0 43	21 46	1 16	19 37	16 22	13 11	12 45	2 57	14 38	6 54
W12	21 17	5 59	1 27	12 41	1 55	21 19	1 37	10 45	0 56	22 9	0 24	23 0	0 14	18 5	0 43	21 47	1 16	19 37	16 22	13 11	12 46	2 54	14 38	6 54
T 13	21 6	0n49	2 40	12 17	2 8	21 28	1 34	10 30	0 55	22 7	0 24	23 0	0 13	18 6	0 43	21 47	1 16	19 38	16 22	13 10	12 47	2 50	14 39	6 54
F 14	20 55	7 29	3 42	11 54	2 20	21 37	1 31	10 16	0 55	22 5	0 24	23 1	0 13	18 6	0 43	21 47	1 16	19 38	16 22	13 10	12 48	2 47	14 39	6 54
S 15	20 44	13 41	4 30	11 32	2 33	21 45	1 28	10 2	0 54	22 3	0 24	23 1	0 13	18 7	0 43	21 47	1 16	19 39	16 23	13 10	12 49	2 43	14 40	6 54
S 16	20 33	19 4	5 0	11 11	2 45	21 52	1 26	9 47	0 53	22 1	0 24	23 1	0 13	18 8	0 43	21 47	1 16	19 39	16 23	13 10	12 50	2 40	14 41	6 54
M17	20 21	23 23	5 14	10 52	2 57	21 59	1 23	9 32	0 53	21 59	0 24	23 2	0 13	18 8	0 43	21 47	1 16	19 40	16 23	13 10	12 52	2 37	14 41	6 54
T 18	20 8	26 22	5 9	10 35	3 9	22 6	1 20	9 18	0 52	21 56	0 24	23 2	0 13	18 9	0 43	21 47	1 16	19 40	16 24	13 11	12 53	2 33	14 42	6 54
W19	19 56	27 51	4 49	10 20	3 21	22 12	1 17	9 3	0 52	21 54	0 24	23 3	0 13	18 10	0 43	21 48	1 16	19 41	16 24	13 12	12 54	2 30	14 42	6 54
T 20	19 43	27 47	4 14	10 6	3 32	22 17	1 14	8 48	0 51	21 52	0 24	23 3	0 13	18 10	0 43	21 48	1 16	19 42	16 24	13 14	12 55	2 27	14 43	6 54
F 21	19 30	26 14	3 27	9 55	3 43	22 22	1 10	8 33	0 50	21 50	0 25	23 3	0 13	18 11	0 43	21 48	1 16	19 42	16 25	13 15	12 56	2 23	14 44	6 54
S 22	19 16	23 25	2 30	9 46	3 54	22 26	1 7	8 18	0 50	21 48	0 25	23 4	0 13	18 12	0 43	21 48	1 16	19 43	16 25	13 16	12 57	2 20	14 44	6 54
S 23	19 2	19 34	1 28	9 40	4 4	22 29	1 4	8 3	0 49	21 45	0 25	23 4	0 12	18 12	0 43	21 48	1 16	19 43	16 25	13 16	12 58	2 17	14 45	6 53
M24	18 48	14 58	0 22	9 36	4 13	22 32	1 1	7 48	0 49	21 43	0 25	23 4	0 12	18 13	0 43	21 48	1 16	19 44	16 25	13 16	12 59	2 13	14 46	6 53
T 25	18 33	9 50	0s44	9 34	4 21	22 34	0 58	7 33	0 48	21 41	0 25	23 5	0 12	18 14	0 43	21 48	1 16	19 44	16 26	13 16	13 0	2 10	14 46	6 53
W26	18 18	4 25	1 47	9 36	4 28	22 36	0 55	7 18	0 47	21 39	0 25	23 5	0 12	18 14	0 43	21 48	1 16	19 45	16 26	13 16	13 1	2 6	14 47	6 53
T 27	18 3	1s 8	2 46	9 40	4 33	22 37	0 52	7 2	0 47	21 36	0 25	23 5	0 12	18 15	0 43	21 49	1 16	19 46	16 26	13 16	13 2	2 3	14 48	6 53
F 28	17 48	6 38	3 38	9 47	4 38	22 38	0 49	6 47	0 46	21 34	0 25	23 6	0 12	18 16	0 43	21 49	1 16	19 46	16 26	13 15	13 3	2 0	14 48	6 53
S 29	17 32	11 56	4 20	9 57	4 40	22 37	0 45	6 32	0 46	21 32	0 25	23 6	0 12	18 16	0 43	21 49	1 16	19 47	16 27	13 15	13 5	1 56	14 49	6 53
S 30	17 16	16 52	4 52	10 9	4 42	22 36	0 42	6 16	0 45	21 29	0 26	23 6	0 12	18 17	0 43	21 49	1 16	19 47	16 27	13 15	13 6	1 53	14 50	6 52
M31	17n 0	21s13	5s12	10n25	4s41	22n35	0s39	6n 1	0n44	21n27	0n26	23s 7	0n12	18s18	0s43	21n49	1s16	19s48	16s27	13s14	13s 7	1n50	14s50	6n52

Julian Day Number = 2114613.5, Delta T = 18m58s
Ecliptic obliquity = 23°33'39, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°52'50, Lahiri = 10°59'50 Julian Calendar 1 July 1077 == Greg. Calendar 7 July 1077

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1077
geocentric

AUGUST 1077 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 1 39	13♌58'44	27♏ 1	19°R15	10♋30	17♍12	26♋21	8°R11	10°R47	18♊49	18°R 4	25°R 2	25♒22	20♍30	22°R47	T 1
W 2	21 5 36	14°56'32	9♐57	18♌23	11°41	17°51	26°34	8♉ 8	10♒44	18°50	18♓ 3	25♒ 1	25°19	20°37	22♉44	W 2
T 3	21 9 32	15°54'21	23°17	17°29	12°53	18°29	26°47	8° 5	10°42	18°52	18° 2	25° 0	25°16	20°43	22°41	T 3
F 4	21 13 29	16°52'12	7♉ 4	16°36	14° 4	19° 8	27° 0	8° 2	10°39	18°53	18° 1	24°59	25°13	20°50	22°38	F 4
S 5	21 17 26	17°50'04	21°16	15°43	15°16	19°46	27°13	7°59	10°37	18°55	18° 0	24°58	25°10	20°57	22°35	S 5
S 6	21 21 22	18°47'57	5♒51	14°53	16°28	20°25	27°25	7°57	10°35	18°56	17°59	24°58	25° 6	21° 3	22°32	S 6
M 7	21 25 19	19°45'52	20°43	14° 6	17°39	21° 4	27°38	7°54	10°32	18°57	17°58	24°D58	25° 3	21°10	22°29	M 7
T 8	21 29 15	20°43'48	5♓44	13°24	18°51	21°42	27°51	7°51	10°30	18°58	17°57	24°58	25° 0	21°17	22°26	T 8
W 9	21 33 12	21°41'46	20°45	12°47	20° 3	22°21	28° 4	7°49	10°28	19° 0	17°56	24°58	24°57	21°23	22°23	W 9
T 10	21 37 8	22°39'46	5♈40	12°16	21°15	23° 0	28°16	7°46	10°25	19° 1	17°55	24°58	24°54	21°30	22°20	T 10
F 11	21 41 5	23°37'47	20°19	11°51	22°27	23°39	28°29	7°44	10°23	19° 2	17°54	24°58	24°51	21°37	22°18	F 11
S 12	21 45 1	24°35'51	4♉40	11°35	23°39	24°18	28°42	7°41	10°21	19° 3	17°53	24°R58	24°47	21°43	22°15	S 12
S 13	21 48 58	25°33'56	18°38	11°26	24°51	24°57	28°54	7°39	10°18	19° 4	17°52	24°D58	24°44	21°50	22°12	S 13
M14	21 52 55	26°32'04	2♊15	11°D26	26° 4	25°36	29° 7	7°37	10°16	19° 5	17°51	24°58	24°41	21°57	22°10	M14
T 15	21 56 51	27°30'14	15°29	11°34	27°16	26°15	29°19	7°35	10°14	19° 7	17°50	24°58	24°38	22° 3	22° 7	T 15
W16	22 0 48	28°28'26	28°25	11°51	28°28	26°54	29°31	7°33	10°12	19° 8	17°49	24°59	24°35	22°10	22° 5	W16
T 17	22 4 44	29°26'40	11♋ 3	12°17	29°41	27°34	29°44	7°31	10° 9	19° 9	17°48	24°59	24°31	22°17	22° 2	T 17
F 18	22 8 41	0♍24'56	23°27	12°51	0♌53	28°13	29°56	7°29	10° 7	19°10	17°46	25° 0	24°28	22°23	22° 0	F 18
S 19	22 12 37	1°23'13	5♌39	13°34	2° 6	28°52	0♌ 8	7°27	10° 5	19°11	17°45	25° 0	24°25	22°30	21°58	S 19
S 20	22 16 34	2°21'33	17°42	14°24	3°19	29°32	0°21	7°26	10° 3	19°11	17°44	25° 1	24°22	22°37	21°55	S 20
M21	22 20 30	3°19'55	29°38	15°22	4°31	0♎11	0°33	7°24	10° 1	19°12	17°43	25°R 1	24°19	22°43	21°53	M21
T 22	22 24 27	4°18'18	11♍29	16°27	5°44	0°51	0°45	7°23	9°59	19°13	17°42	25° 0	24°16	22°50	21°51	T 22
W23	22 28 24	5°16'43	23°18	17°39	6°57	1°30	0°57	7°21	9°56	19°14	17°41	24°59	24°12	22°56	21°49	W23
T 24	22 32 20	6°15'10	5♎ 6	18°57	8°10	2°10	1° 9	7°20	9°54	19°15	17°40	24°58	24° 9	23° 3	21°47	T 24
F 25	22 36 17	7°13'39	16°56	20°20	9°23	2°49	1°21	7°19	9°52	19°16	17°38	24°56	24° 6	23°10	21°45	F 25
S 26	22 40 13	8°12'10	28°50	21°49	10°36	3°29	1°33	7°18	9°50	19°16	17°37	24°54	24° 3	23°16	21°43	S 26
S 27	22 44 10	9°10'42	10♏53	23°22	11°49	4° 9	1°45	7°17	9°48	19°17	17°36	24°52	24° 0	23°23	21°41	S 27
M28	22 48 6	10° 9'16	23° 8	24°58	13° 2	4°49	1°56	7°16	9°46	19°18	17°35	24°51	23°57	23°30	21°39	M28
T 29	22 52 3	11° 7'52	5♐39	26°38	14°16	5°29	2° 8	7°15	9°44	19°18	17°34	24°D50	23°53	23°36	21°37	T 29
W30	22 55 59	12° 6'30	18°29	28°21	15°29	6° 9	2°20	7°14	9°42	19°19	17°32	24°50	23°50	23°43	21°36	W30
T 31	22 59 56	13♍ 5'09	1♑42	0♍ 5	16♌42	6♎49	2♌31	7♑14	9♒41	19♊19	17♓31	24♒51	23♒47	23♍50	21♑34	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n43	24s43	5s17	10n43	4s39	22n33	0s36	5n45	0n44	21n25	0n26	23s 7	0n12	18s18	0s43	21n49	1s16	19s48	16s27	13s15	13s 8	1n46	14s51	6n52
W 2	16 26	27 6	5 6	11 3	4 35	22 30	0 33	5 29	0 43	21 22	0 26	23 7	0 11	18 19	0 43	21 49	1 16	19 49	16 27	13 15	13 9	1 43	14 52	6 52
T 3	16 9	28 2	4 39	11 25	4 28	22 27	0 30	5 14	0 43	21 20	0 26	23 7	0 11	18 20	0 43	21 49	1 17	19 50	16 28	13 15	13 10	1 40	14 52	6 52
F 4	15 52	27 18	3 56	11 48	4 20	22 23	0 26	4 58	0 42	21 18	0 26	23 8	0 11	18 20	0 43	21 49	1 17	19 50	16 28	13 16	13 11	1 36	14 53	6 52
S 5	15 34	24 46	2 56	12 13	4 10	22 18	0 23	4 42	0 41	21 15	0 26	23 8	0 11	18 21	0 43	21 49	1 17	19 51	16 28	13 16	13 12	1 33	14 54	6 51
S 6	15 16	20 35	1 44	12 39	3 59	22 12	0 20	4 26	0 41	21 13	0 26	23 8	0 11	18 22	0 43	21 49	1 17	19 51	16 28	13 16	13 13	1 29	14 54	6 51
M 7	14 58	15 2	0 24	13 5	3 45	22 7	0 17	4 10	0 40	21 10	0 26	23 9	0 11	18 22	0 43	21 50	1 17	19 52	16 29	13 16	13 14	1 26	14 55	6 51
T 8	14 39	8 32	0n59	13 31	3 31	22 0	0 14	3 55	0 40	21 8	0 27	23 9	0 11	18 23	0 43	21 50	1 17	19 53	16 29	13 16	13 15	1 23	14 56	6 51
W 9	14 21	1 34	2 19	13 57	3 15	21 53	0 11	3 39	0 39	21 5	0 27	23 9	0 11	18 24	0 43	21 50	1 17	19 53	16 29	13 16	13 16	1 19	14 56	6 50
T 10	14 2	5n26	3 27	14 22	2 58	21 45	0 8	3 23	0 38	21 3	0 27	23 9	0 11	18 24	0 43	21 50	1 17	19 54	16 29	13 16	13 17	1 16	14 57	6 50
F 11	13 43	12 1	4 22	14 45	2 40	21 36	0 5	3 7	0 38	21 1	0 27	23 10	0 11	18 25	0 43	21 50	1 17	19 54	16 29	13 16	13 18	1 13	14 58	6 50
S 12	13 23	17 49	4 58	15 7	2 22	21 27	0 2	2 51	0 37	20 58	0 27	23 10	0 10	18 25	0 43	21 50	1 17	19 55	16 29	13 16	13 20	1 9	14 59	6 50
S 13	13 4	22 31	5 16	15 28	2 3	21 17	0n 1	2 34	0 36	20 56	0 27	23 10	0 10	18 26	0 43	21 50	1 17	19 55	16 30	13 16	13 21	1 6	14 59	6 49
M14	12 44	25 52	5 15	15 46	1 45	21 7	0 4	2 18	0 36	20 53	0 27	23 10	0 10	18 27	0 43	21 50	1 17	19 56	16 30	13 16	13 22	1 3	15 0	6 49
T 15	12 24	27 42	4 58	16 1	1 26	20 56	0 7	2 2	0 35	20 51	0 27	23 10	0 10	18 27	0 43	21 50	1 17	19 57	16 30	13 16	13 23	0 59	15 1	6 49
W16	12 4	27 58	4 25	16 14	1 8	20 44	0 10	1 46	0 35	20 48	0 28	23 11	0 10	18 28	0 43	21 50	1 17	19 57	16 30	13 16	13 24	0 56	15 1	6 48
T 17	11 43	26 46	3 41	16 24	0 50	20 32	0 13	1 30	0 34	20 46	0 28	23 11	0 10	18 28	0 43	21 50	1 17	19 58	16 30	13 16	13 25	0 53	15 2	6 48
F 18	11 23	24 15	2 46	16 31	0 33	20 19	0 16	1 13	0 33	20 43	0 28	23 11	0 10	18 29	0 43	21 50	1 17	19 58	16 30	13 15	13 26	0 49	15 3	6 48
S 19	11 2	20 39	1 45	16 35	0 16	20 6	0 19	0 57	0 33	20 41	0 28	23 11	0 10	18 30	0 43	21 50	1 17	19 59	16 30	13 15	13 27	0 46	15 3	6 47
S 20	10 41	16 15	0 40	16 35	0 1	19 52	0 22	0 41	0 32	20 38	0 28	23 11	0 10	18 30	0 43	21 50	1 17	19 59	16 31	13 15	13 28	0 42	15 4	6 47
M21	10 20	11 16	0s26	16 32	0n14	19 37	0 25	0 25	0 32	20 36	0 28	23 12	0 10	18 31	0 43	21 50	1 17	20 0	16 31	13 15	13 29	0 39	15 5	6 47
T 22	9 59	5 54	1 30	16 26	0 28	19 22	0 27	0 8	0 31	20 33	0 28	23 12	0 9	18 31	0 43	21 50	1 17	20 1	16 31	13 15	13 30	0 36	15 5	6 46
W23	9 37	0 22	2 31	16 16	0 41	19 7	0 30	0s 8	0 30	20 31	0 28	23 12	0 9	18 32	0 43	21 50	1 17	20 1	16 31	13 16	13 31	0 32	15 6	6 46
T 24	9 16	5s 9	3 24	16 3	0 52	18 50	0 33	0 25	0 30	20 28	0 29	23 12	0 9	18 32	0 43	21 50	1 17	20 2	16 31	13 16	13 32	0 29	15 7	6 46
F 25	8 54	10 31	4 10	15 47	1 3	18 34	0 35	0 41	0 29	20 26	0 29	23 12	0 9	18 33	0 43	21 50	1 17	20 2	16 31	13 17	13 33	0 26	15 7	6 45
S 26	8 32	15 32	4 44	15 27	1 12	18 16	0 38	0 57	0 29	20 23	0 29	23 12	0 9	18 34	0 43	21 51	1 17	20 3	16 31	13 17	13 34	0 22	15 8	6 45
S 27	8 10	20 1	5 7	15 4	1 21	17 58	0 40	1 14	0 28	20 21	0 29	23 13	0 9	18 34	0 43	21 51	1 17	20 3	16 31	13 18	13 35	0 19	15 9	6 45
M28	7 48	23 44	5 16	14 39	1 28	17 40	0 43	1 30	0 27	20 18	0 29	23 13	0 9	18 35	0 43	21 51	1 17	20 4	16 31	13 18	13 36	0 16	15 9	6 44
T 29	7 26	26 27	5 11	14 10	1 34	17 21	0 45	1 47	0 27	20 16	0 29	23 13	0 9	18 35	0 43	21 51	1 17	20 4	16 31	13 19	13 38	0 12	15 10	6 44
W30	7 3	27 52	4 50	13 40	1 39	17 2	0 47	2 3	0 26	20 13	0 29	23 13	0 9	18 36	0 43	21 51	1 17	20 5	16 31	13 19	13 39	0 9	15 11	6 43
T 31	6n41	27s46	4s13	13n 7	1n43	16n42	0n50	2s20	0n26	20n11	0n30	23s13	0n 9	18s36	0s43	21n51	1s17	20s 5	16s31	13s18	13s40	0n 6	15s11	6n43

Julian Day Number = 2114644.5, Delta T = 18m58s
Ecliptic obliquity = 23°33'39, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°52'54, Lahiri = 10°59'55 Julian Calendar 1 Aug. 1077 == Greg. Calendar 7 Aug. 1077

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1077
geocentric

SEPTEMBER 1077 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 3 53	14♍ 3'50	15♉21	1♍52	17♌56	7♎29	2♌43	7°R13	9°R39	19♊20	17°R30	24♒52	23♒44	23♍56	21°R32	F 1
S 2	23 7 49	15° 2'33	29°26	3°40	19° 9	8° 9	2°54	7♉13	9♒37	19°20	17♓29	24°54	23°41	24° 3	21♉31	S 2
S 3	23 11 46	16° 1'18	13♒58	5°29	20°23	8°49	3° 5	7°13	9°35	19°21	17°28	24°55	23°37	24°10	21°29	S 3
M 4	23 15 42	17° 0'04	28°51	7°18	21°36	9°29	3°17	7°13	9°33	19°21	17°26	24°R55	23°34	24°16	21°28	M 4
T 5	23 19 39	17°58'52	14♓ 0	9° 8	22°50	10° 9	3°28	7°D12	9°32	19°22	17°25	24°54	23°31	24°23	21°27	T 5
W 6	23 23 35	18°57'42	29°15	10°58	24° 4	10°50	3°39	7°12	9°30	19°22	17°24	24°52	23°28	24°30	21°25	W 6
T 7	23 27 32	19°56'34	14♈26	12°48	25°17	11°30	3°50	7°13	9°28	19°22	17°23	24°49	23°25	24°36	21°24	T 7
F 8	23 31 28	20°55'29	29°24	14°38	26°31	12°10	4° 1	7°13	9°27	19°23	17°22	24°45	23°22	24°43	21°23	F 8
S 9	23 35 25	21°54'26	14♉ 1	16°28	27°45	12°51	4°12	7°13	9°25	19°23	17°20	24°42	23°18	24°50	21°22	S 9
S 10	23 39 22	22°53'25	28°11	18°17	28°59	13°31	4°23	7°13	9°24	19°23	17°19	24°39	23°15	24°56	21°21	S 10
M11	23 43 18	23°52'26	11♊53	20° 6	0♍13	14°12	4°33	7°14	9°22	19°23	17°18	24°37	23°12	25° 3	21°20	M11
T 12	23 47 15	24°51'30	25° 9	21°54	1°27	14°53	4°44	7°15	9°21	19°24	17°17	24°D36	23° 9	25°10	21°19	T 12
W13	23 51 11	25°50'37	8♋ 0	23°41	2°41	15°33	4°54	7°15	9°19	19°24	17°16	24°37	23° 6	25°16	21°19	W13
T 14	23 55 8	26°49'45	20°30	25°28	3°55	16°14	5° 5	7°16	9°18	19°24	17°14	24°38	23° 2	25°23	21°18	T 14
F 15	23 59 4	27°48'56	2♌44	27°13	5° 9	16°55	5°15	7°17	9°17	19°24	17°13	24°40	22°59	25°30	21°17	F 15
S 16	0 3 1	28°48'09	14°47	28°59	6°23	17°36	5°25	7°18	9°15	19°R24	17°12	24°42	22°56	25°36	21°17	S 16
S 17	0 6 57	29°47'25	26°41	0♎43	7°38	18°17	5°36	7°19	9°14	19°24	17°11	24°R42	22°53	25°43	21°16	S 17
M18	0 10 54	0♎46'42	8♍31	2°27	8°52	18°58	5°46	7°20	9°13	19°24	17°10	24°41	22°50	25°50	21°16	M18
T 19	0 14 51	1°46'02	20°18	4°10	10° 6	19°39	5°56	7°22	9°12	19°24	17° 9	24°38	22°47	25°56	21°15	T 19
W20	0 18 47	2°45'24	2♎ 7	5°52	11°21	20°20	6° 5	7°23	9°10	19°24	17° 7	24°33	22°43	26° 3	21°15	W20
T 21	0 22 44	3°44'48	13°58	7°33	12°35	21° 1	6°15	7°24	9° 9	19°24	17° 6	24°27	22°40	26°10	21°15	T 21
F 22	0 26 40	4°44'14	25°54	9°13	13°49	21°42	6°25	7°26	9° 8	19°23	17° 5	24°19	22°37	26°16	21°15	F 22
S 23	0 30 37	5°43'42	7♏55	10°53	15° 4	22°23	6°34	7°28	9° 7	19°23	17° 4	24°11	22°34	26°23	21°D15	S 23
S 24	0 34 33	6°43'12	20° 5	12°32	16°19	23° 5	6°44	7°29	9° 6	19°23	17° 3	24° 4	22°31	26°30	21°15	S 24
M25	0 38 30	7°42'44	2♐24	14°11	17°33	23°46	6°53	7°31	9° 5	19°23	17° 2	23°57	22°28	26°36	21°15	M25
T 26	0 42 26	8°42'18	14°57	15°49	18°48	24°28	7° 2	7°33	9° 5	19°22	17° 1	23°53	22°24	26°43	21°15	T 26
W27	0 46 23	9°41'53	27°45	17°26	20° 2	25° 9	7°11	7°35	9° 4	19°22	17° 0	23°50	22°21	26°50	21°15	W27
T 28	0 50 19	10°41'31	10♑52	19° 2	21°17	25°51	7°20	7°38	9° 3	19°22	16°59	23°D49	22°18	26°56	21°16	T 28
F 29	0 54 16	11°41'10	24°20	20°38	22°32	26°32	7°29	7°40	9° 2	19°21	16°57	23°50	22°15	27° 3	21°16	F 29
S 30	0 58 13	12♎40'51	8♒12	22♎13	23♍47	27♎14	7♌38	7♉42	9♒ 2	19♊21	16♓56	23♒51	22♒12	27♍10	21♉17	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6n18	26s 1	3s21	12n31	1n47	16n22	0n52	2s36	0n25	20n 8	0n30	23s13	0n 8	18s37	0s43	21n51	1s17	20s 6	16s31	13s18	13s41	0n 2	15s12	6n43
S 2	5 55	22 35	2 16	11 54	1 49	16 1	0 54	2 52	0 24	20 6	0 30	23 13	0 8	18 37	0 43	21 51	1 17	20 6	16 31	13 17	13 42	0s 1	15 13	6 42
S 3	5 32	17 41	1 0	11 16	1 50	15 40	0 56	3 9	0 24	20 3	0 30	23 14	0 8	18 38	0 43	21 51	1 18	20 7	16 31	13 17	13 43	0 4	15 13	6 42
M 4	5 10	11 35	0n22	10 35	1 51	15 18	0 58	3 25	0 23	20 1	0 30	23 14	0 8	18 38	0 43	21 51	1 18	20 7	16 32	13 17	13 44	0 8	15 14	6 41
T 5	4 46	4 44	1 43	9 54	1 51	14 56	1 1	3 42	0 22	19 58	0 30	23 14	0 8	18 38	0 43	21 51	1 18	20 8	16 32	13 17	13 45	0 11	15 14	6 41
W 6	4 23	2n25	2 58	9 11	1 50	14 33	1 3	3 58	0 22	19 56	0 30	23 14	0 8	18 39	0 42	21 51	1 18	20 8	16 32	13 18	13 46	0 14	15 15	6 41
T 7	4 0	9 24	4 0	8 28	1 49	14 10	1 4	4 15	0 21	19 53	0 31	23 14	0 8	18 39	0 42	21 51	1 18	20 9	16 32	13 19	13 47	0 18	15 16	6 40
F 8	3 37	15 44	4 44	7 43	1 47	13 47	1 6	4 31	0 21	19 51	0 31	23 14	0 8	18 40	0 42	21 51	1 18	20 9	16 32	13 20	13 48	0 21	15 16	6 40
S 9	3 14	21 1	5 8	6 58	1 44	13 23	1 8	4 48	0 20	19 48	0 31	23 14	0 8	18 40	0 42	21 51	1 18	20 10	16 32	13 21	13 49	0 24	15 17	6 39
S 10	2 50	24 56	5 13	6 12	1 41	12 59	1 10	5 4	0 19	19 46	0 31	23 14	0 8	18 40	0 42	21 51	1 18	20 10	16 31	13 22	13 50	0 28	15 17	6 39
M11	2 27	27 17	5 0	5 26	1 38	12 34	1 11	5 20	0 19	19 43	0 31	23 14	0 8	18 41	0 42	21 51	1 18	20 11	16 31	13 23	13 51	0 31	15 18	6 38
T 12	2 3	27 59	4 31	4 40	1 34	12 9	1 13	5 37	0 18	19 41	0 31	23 14	0 7	18 41	0 42	21 50	1 18	20 11	16 31	13 23	13 52	0 35	15 18	6 38
W13	1 40	27 7	3 48	3 54	1 30	11 44	1 15	5 53	0 18	19 39	0 31	23 14	0 7	18 42	0 42	21 50	1 18	20 12	16 31	13 23	13 53	0 38	15 19	6 37
T 14	1 16	24 54	2 56	3 7	1 25	11 18	1 16	6 9	0 17	19 36	0 32	23 14	0 7	18 42	0 42	21 50	1 18	20 12	16 31	13 22	13 54	0 41	15 20	6 37
F 15	0 52	21 33	1 57	2 20	1 20	10 52	1 18	6 26	0 16	19 34	0 32	23 14	0 7	18 42	0 42	21 50	1 18	20 12	16 31	13 22	13 55	0 45	15 20	6 37
S 16	0 29	17 21	0 54	1 33	1 15	10 26	1 19	6 42	0 16	19 32	0 32	23 14	0 7	18 43	0 42	21 50	1 18	20 13	16 31	13 21	13 56	0 48	15 21	6 36
S 17	0 5	12 31	0s11	0 47	1 10	9 59	1 20	6 58	0 15	19 29	0 32	23 15	0 7	18 43	0 42	21 50	1 18	20 13	16 31	13 21	13 57	0 51	15 21	6 36
M18	0s19	7 16	1 15	0s 0	1 4	9 33	1 21	7 14	0 14	19 27	0 32	23 15	0 7	18 43	0 42	21 50	1 18	20 14	16 31	13 22	13 59	0 55	15 22	6 35
T 19	0 42	1 47	2 15	0 46	0 58	9 5	1 22	7 31	0 14	19 25	0 32	23 15	0 7	18 43	0 42	21 50	1 18	20 14	16 31	13 23	14 0	0 58	15 22	6 35
W20	1 6	3s44	3 9	1 33	0 52	8 38	1 24	7 47	0 13	19 22	0 33	23 15	0 7	18 44	0 42	21 50	1 18	20 14	16 31	13 24	14 1	1 1	15 23	6 34
T 21	1 30	9 9	3 56	2 19	0 46	8 10	1 25	8 3	0 13	19 20	0 33	23 15	0 7	18 44	0 42	21 50	1 18	20 15	16 31	13 26	14 2	1 5	15 23	6 34
F 22	1 54	14 16	4 32	3 4	0 39	7 42	1 25	8 19	0 12	19 18	0 33	23 15	0 6	18 44	0 42	21 50	1 18	20 15	16 31	13 29	14 3	1 8	15 24	6 33
S 23	2 17	18 53	4 57	3 49	0 33	7 14	1 26	8 35	0 11	19 16	0 33	23 15	0 6	18 45	0 42	21 50	1 18	20 16	16 31	13 32	14 4	1 11	15 24	6 33
S 24	2 41	22 47	5 8	4 34	0 27	6 46	1 27	8 51	0 11	19 13	0 33	23 15	0 6	18 45	0 42	21 50	1 18	20 16	16 31	13 34	14 5	1 15	15 25	6 32
M25	3 5	25 44	5 5	5 19	0 20	6 17	1 28	9 7	0 10	19 11	0 33	23 15	0 6	18 45	0 42	21 50	1 18	20 16	16 30	13 36	14 6	1 18	15 25	6 32
T 26	3 28	27 29	4 48	6 3	0 13	5 49	1 28	9 23	0 10	19 9	0 34	23 15	0 6	18 45	0 42	21 50	1 18	20 17	16 30	13 38	14 7	1 21	15 25	6 32
W27	3 52	27 49	4 17	6 47	0 6	5 20	1 29	9 39	0 9	19 7	0 34	23 15	0 6	18 45	0 42	21 50	1 18	20 17	16 30	13 39	14 8	1 25	15 26	6 31
T 28	4 15	26 37	3 31	7 30	0s 0	4 51	1 30	9 54	0 8	19 5	0 34	23 14	0 6	18 46	0 42	21 50	1 18	20 17	16 30	13 39	14 9	1 28	15 26	6 31
F 29	4 39	23 52	2 32	8 12	0 7	4 21	1 30	10 10	0 8	19 3	0 34	23 14	0 6	18 46	0 42	21 50	1 18	20 18	16 30	13 39	14 10	1 31	15 27	6 30
S 30	5s 2	19s39	1s23	8s54	0s14	3n52	1n30	10s26	0n 7	19n 1	0n34	23s14	0n 6	18s46	0s42	21n50	1s18	20s18	16s30	13s38	14s11	1s35	15s27	6n30

Julian Day Number = 2114675.5, Delta T = 18m58s
Ecliptic obliquity = 23°33'40, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°52'58, Lahiri = 10°59'59 Julian Calendar 1 Sept. 1077 == Greg. Calendar 7 Sept. 1077

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1077
geocentric

OCTOBER 1077 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 2 9	13♎40'33	22♒30	23♎47	25♍ 1	27♎56	7♌47	7♑45	9°R 1	19°R20	16°R55	23°R52	22♒ 8	27♍16	21♑17	S 1
M 2	1 6 6	14°40'18	7♓10	25°21	26°16	28°37	7°55	7°47	9♒ 0	19♊20	16♓54	23♒51	22° 5	27°23	21°18	M 2
T 3	1 10 2	15°40'04	22°10	26°55	27°31	29°19	8° 4	7°50	9° 0	19°19	16°53	23°48	22° 2	27°30	21°18	T 3
W 4	1 13 59	16°39'52	7♈21	28°28	28°46	0♏ 1	8°12	7°53	8°59	19°19	16°52	23°43	21°59	27°36	21°19	W 4
T 5	1 17 55	17°39'41	22°35	29°59	0♎ 1	0°43	8°20	7°55	8°59	19°18	16°51	23°36	21°56	27°43	21°20	T 5
F 6	1 21 52	18°39'33	7♉39	1♏31	1°16	1°25	8°28	7°58	8°59	19°18	16°50	23°27	21°53	27°50	21°21	F 6
S 7	1 25 48	19°39'27	22°26	3° 3	2°31	2° 7	8°36	8° 1	8°58	19°17	16°49	23°18	21°49	27°57	21°22	S 7
S 8	1 29 45	20°39'24	6♊46	4°33	3°46	2°49	8°44	8° 4	8°58	19°16	16°48	23°10	21°46	28° 3	21°23	S 8
M 9	1 33 42	21°39'22	20°38	6° 3	5° 1	3°31	8°51	8° 8	8°58	19°16	16°47	23° 4	21°43	28°10	21°24	M 9
T 10	1 37 38	22°39'23	4♋ 0	7°33	6°16	4°13	8°59	8°11	8°58	19°15	16°46	23° 0	21°40	28°17	21°25	T 10
W11	1 41 35	23°39'26	16°54	9° 2	7°31	4°56	9° 6	8°14	8°57	19°14	16°45	22°59	21°37	28°23	21°26	W11
T 12	1 45 31	24°39'31	29°25	10°30	8°46	5°38	9°13	8°18	8°57	19°13	16°45	22°D58	21°34	28°30	21°28	T 12
F 13	1 49 28	25°39'38	11♌37	11°58	10° 1	6°20	9°20	8°21	8°D57	19°12	16°44	22°59	21°30	28°37	21°29	F 13
S 14	1 53 24	26°39'47	23°35	13°26	11°16	7° 3	9°27	8°25	8°57	19°11	16°43	22°R59	21°27	28°43	21°31	S 14
S 15	1 57 21	27°39'58	5♍26	14°53	12°31	7°45	9°34	8°29	8°57	19°11	16°42	22°59	21°24	28°50	21°32	S 15
M16	2 1 17	28°40'12	17°13	16°19	13°46	8°28	9°41	8°32	8°58	19°10	16°41	22°56	21°21	28°57	21°34	M16
T 17	2 5 14	29°40'27	29° 1	17°44	15° 2	9°10	9°47	8°36	8°58	19° 9	16°40	22°50	21°18	29° 3	21°36	T 17
W18	2 9 11	0♏40'44	10♎52	19° 9	16°17	9°53	9°53	8°40	8°58	19° 8	16°39	22°41	21°14	29°10	21°37	W18
T 19	2 13 7	1°41'03	22°50	20°33	17°32	10°36	9°59	8°44	8°58	19° 7	16°39	22°30	21°11	29°17	21°39	T 19
F 20	2 17 4	2°41'24	4♏54	21°57	18°47	11°19	10° 5	8°48	8°59	19° 6	16°38	22°17	21° 8	29°23	21°41	F 20
S 21	2 21 0	3°41'47	17° 8	23°19	20° 3	12° 1	10°11	8°52	8°59	19° 5	16°37	22° 4	21° 5	29°30	21°43	S 21
S 22	2 24 57	4°42'11	29°30	24°40	21°18	12°44	10°17	8°57	8°59	19° 3	16°36	21°51	21° 2	29°37	21°45	S 22
M23	2 28 53	5°42'37	12♐ 3	26° 1	22°33	13°27	10°23	9° 1	9° 0	19° 2	16°36	21°39	20°59	29°43	21°47	M23
T 24	2 32 50	6°43'05	24°46	27°20	23°49	14°10	10°28	9° 6	9° 0	19° 1	16°35	21°30	20°55	29°50	21°49	T 24
W25	2 36 46	7°43'34	7♑41	28°38	25° 4	14°53	10°33	9°10	9° 1	19° 0	16°34	21°24	20°52	29°57	21°51	W25
T 26	2 40 43	8°44'05	20°50	29°54	26°19	15°36	10°38	9°15	9° 2	18°59	16°33	21°21	20°49	0♎ 3	21°54	T 26
F 27	2 44 40	9°44'36	4♒15	1♐ 9	27°35	16°20	10°43	9°19	9° 2	18°58	16°33	21°20	20°46	0°10	21°56	F 27
S 28	2 48 36	10°45'09	17°57	2°22	28°50	17° 3	10°48	9°24	9° 3	18°56	16°32	21°19	20°43	0°17	21°58	S 28
S 29	2 52 33	11°45'44	1♓59	3°33	0♏ 6	17°46	10°52	9°29	9° 4	18°55	16°32	21°19	20°40	0°23	22° 1	S 29
M30	2 56 29	12°46'19	16°21	4°42	1°21	18°29	10°57	9°34	9° 5	18°54	16°31	21°17	20°36	0°30	22° 3	M30
T 31	3 0 26	13♏46'55	1♈ 0	5♐47	2♏36	19♏13	11♌ 1	9♑39	9♒ 6	18♊53	16♓30	21♒13	20♒33	0♎37	22♑ 6	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat
S 1	5s25	14s12	0s 7	9s36	0s21	3n22	1n31	10s41	0n 6	18n58	0n35	23s14	0n 6	18s46	0s42	21n50	1s19	20s18	16s30	13s38	14s12	1s38	15s27	6n29
M 2	5 49	7 49	1n11	10 17	0 28	2 53	1 31	10 57	0 6	18 56	0 35	23 14	0 6	18 46	0 42	21 50	1 19	20 18	16 29	13 38	14 13	1 41	15 28	6 29
T 3	6 12	0 53	2 26	10 57	0 34	2 23	1 31	11 12	0 5	18 54	0 35	23 14	0 6	18 46	0 42	21 49	1 19	20 19	16 29	13 39	14 14	1 44	15 28	6 28
W 4	6 35	6n10	3 32	11 37	0 41	1 53	1 31	11 28	0 5	18 52	0 35	23 14	0 5	18 46	0 42	21 49	1 19	20 19	16 29	13 41	14 15	1 48	15 29	6 28
T 5	6 58	12 53	4 22	12 16	0 48	1 23	1 31	11 43	0 4	18 51	0 35	23 14	0 5	18 46	0 42	21 49	1 19	20 19	16 29	13 43	14 16	1 51	15 29	6 27
F 6	7 21	18 46	4 54	12 55	0 54	0 53	1 31	11 58	0 3	18 49	0 36	23 14	0 5	18 46	0 42	21 49	1 19	20 19	16 29	13 46	14 17	1 54	15 29	6 27
S 7	7 44	23 23	5 5	13 33	1 1	0 23	1 31	12 14	0 3	18 47	0 36	23 14	0 5	18 47	0 42	21 49	1 19	20 20	16 29	13 49	14 18	1 58	15 30	6 26
S 8	8 6	26 26	4 57	14 10	1 7	0s 7	1 31	12 29	0 2	18 45	0 36	23 14	0 5	18 47	0 42	21 49	1 19	20 20	16 28	13 52	14 19	2 1	15 30	6 26
M 9	8 29	27 44	4 31	14 46	1 14	0 37	1 31	12 44	0 1	18 43	0 36	23 14	0 5	18 47	0 42	21 49	1 19	20 20	16 28	13 54	14 20	2 4	15 30	6 25
T 10	8 51	27 21	3 51	15 22	1 20	1 7	1 30	12 59	0 1	18 41	0 36	23 14	0 5	18 47	0 42	21 49	1 19	20 20	16 28	13 55	14 21	2 8	15 30	6 25
W11	9 14	25 28	3 1	15 56	1 26	1 37	1 30	13 14	0 0	18 39	0 37	23 13	0 5	18 47	0 42	21 49	1 19	20 20	16 28	13 56	14 22	2 11	15 31	6 25
T 12	9 36	22 23	2 3	16 30	1 32	2 7	1 29	13 28	0s 0	18 38	0 37	23 13	0 5	18 47	0 42	21 49	1 19	20 21	16 28	13 56	14 23	2 14	15 31	6 24
F 13	9 58	18 21	1 0	17 4	1 38	2 38	1 29	13 43	0 1	18 36	0 37	23 13	0 5	18 47	0 42	21 49	1 19	20 21	16 27	13 55	14 24	2 18	15 31	6 24
S 14	10 20	13 40	0s 3	17 36	1 44	3 8	1 28	13 58	0 2	18 34	0 37	23 13	0 5	18 47	0 41	21 48	1 19	20 21	16 27	13 55	14 25	2 21	15 31	6 23
S 15	10 42	8 33	1 6	18 7	1 49	3 38	1 28	14 12	0 2	18 33	0 37	23 13	0 4	18 47	0 41	21 48	1 19	20 21	16 27	13 56	14 26	2 24	15 32	6 23
M16	11 3	3 9	2 5	18 38	1 55	4 8	1 27	14 27	0 3	18 31	0 38	23 13	0 4	18 46	0 41	21 48	1 19	20 21	16 27	13 57	14 27	2 28	15 32	6 22
T 17	11 25	2s21	2 59	19 7	2 0	4 38	1 26	14 41	0 3	18 30	0 38	23 13	0 4	18 46	0 41	21 48	1 19	20 21	16 26	13 59	14 29	2 31	15 32	6 22
W18	11 46	7 47	3 46	19 36	2 5	5 8	1 25	14 55	0 4	18 28	0 38	23 12	0 4	18 46	0 41	21 48	1 19	20 21	16 26	14 1	14 30	2 34	15 32	6 21
T 19	12 7	12 58	4 22	20 3	2 9	5 37	1 24	15 9	0 5	18 27	0 38	23 12	0 4	18 46	0 41	21 48	1 19	20 21	16 26	14 5	14 31	2 38	15 32	6 21
F 20	12 28	17 44	4 48	20 30	2 14	6 7	1 23	15 23	0 5	18 25	0 38	23 12	0 4	18 46	0 41	21 48	1 19	20 21	16 26	14 9	14 32	2 41	15 32	6 20
S 21	12 49	21 49	5 0	20 55	2 18	6 36	1 22	15 37	0 6	18 24	0 39	23 12	0 4	18 46	0 41	21 48	1 19	20 22	16 25	14 14	14 33	2 44	15 33	6 20
S 22	13 9	25 0	4 58	21 19	2 21	7 6	1 21	15 51	0 7	18 23	0 39	23 12	0 4	18 46	0 41	21 48	1 19	20 22	16 25	14 18	14 34	2 47	15 33	6 20
M23	13 30	27 1	4 42	21 42	2 25	7 35	1 20	16 4	0 7	18 21	0 39	23 11	0 4	18 46	0 41	21 47	1 19	20 22	16 25	14 22	14 35	2 51	15 33	6 19
T 24	13 50	27 40	4 12	22 4	2 28	8 4	1 19	16 18	0 8	18 20	0 39	23 11	0 4	18 45	0 41	21 47	1 19	20 22	16 25	14 24	14 36	2 54	15 33	6 19
W25	14 9	26 49	3 29	22 24	2 30	8 33	1 17	16 31	0 8	18 19	0 39	23 11	0 4	18 45	0 41	21 47	1 19	20 22	16 24	14 26	14 37	2 57	15 33	6 18
T 26	14 29	24 28	2 34	22 43	2 33	9 2	1 16	16 44	0 9	18 18	0 40	23 11	0 4	18 45	0 41	21 47	1 19	20 22	16 24	14 28	14 38	3 1	15 33	6 18
F 27	14 48	20 44	1 29	23 1	2 34	9 30	1 15	16 58	0 10	18 17	0 40	23 10	0 3	18 45	0 41	21 47	1 19	20 22	16 24	14 28	14 39	3 4	15 33	6 17
S 28	15 8	15 49	0 18	23 17	2 36	9 58	1 13	17 11	0 10	18 15	0 40	23 10	0 3	18 45	0 41	21 47	1 19	20 22	16 23	14 28	14 40	3 7	15 33	6 17
S 29	15 26	9 57	0n56	23 32	2 36	10 26	1 12	17 23	0 11	18 14	0 40	23 10	0 3	18 44	0 41	21 47	1 19	20 22	16 23	14 28	14 41	3 10	15 33	6 17
M30	15 45	3 27	2 8	23 45	2 36	10 54	1 10	17 36	0 11	18 13	0 41	23 10	0 3	18 44	0 41	21 47	1 19	20 22	16 23	14 29	14 42	3 14	15 33	6 16
T 31	16s 3	3n21	3n13	23s56	2s36	11s22	1n 9	17s49	0s12	18n12	0n41	23s 9	0n 3	18s44	0s41	21n47	1s19	20s22	16s23	14s30	14s43	3s17	15s33	6n16

Julian Day Number = 2114705.5, Delta T = 18m57s
Ecliptic obliquity = 23°33'40, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°53'03, Lahiri = 11°00'03 Julian Calendar 1 Oct. 1077 == Greg. Calendar 7 Oct. 1077

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1077
geocentric

NOVEMBER 1077 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 4 22	14♏47'33	15♈51	6♐50	3♏52	19♏56	11♌ 5	9♑44	9♒ 7	18°R51	16°R30	21°R 6	20♒30	0♎43	22♑ 9	W 1
T 2	3 8 19	15°48'12	0♉48	7°49	5° 7	20°40	11° 9	9°49	9° 8	18♊50	16♓29	20♒56	20°27	0°50	22°11	T 2
F 3	3 12 15	16°48'53	15°42	8°45	6°23	21°23	11°12	9°54	9° 9	18°48	16°29	20°45	20°24	0°57	22°14	F 3
S 4	3 16 12	17°49'35	0♊23	9°35	7°38	22° 7	11°16	9°59	9°10	18°47	16°28	20°32	20°20	1° 3	22°17	S 4
S 5	3 20 9	18°50'19	14°44	10°21	8°54	22°50	11°19	10° 4	9°11	18°46	16°28	20°21	20°17	1°10	22°20	S 5
M 6	3 24 5	19°51'04	28°38	11° 1	10° 9	23°34	11°22	10°10	9°12	18°44	16°27	20°12	20°14	1°17	22°23	M 6
T 7	3 28 2	20°51'50	12♋ 5	11°35	11°24	24°18	11°25	10°15	9°13	18°43	16°27	20° 5	20°11	1°23	22°26	T 7
W 8	3 31 58	21°52'38	25° 4	12° 2	12°40	25° 1	11°28	10°20	9°15	18°41	16°27	20° 1	20° 8	1°30	22°29	W 8
T 9	3 35 55	22°53'28	7♌38	12°20	13°55	25°45	11°30	10°26	9°16	18°40	16°26	19°59	20° 5	1°37	22°32	T 9
F 10	3 39 51	23°54'19	19°53	12°30	15°11	26°29	11°33	10°32	9°17	18°38	16°26	19°59	20° 1	1°44	22°35	F 10
S 11	3 43 48	24°55'11	1♍53	12°R30	16°26	27°13	11°35	10°37	9°19	18°37	16°26	19°59	19°58	1°50	22°39	S 11
S 12	3 47 44	25°56'05	13°45	12°20	17°42	27°57	11°37	10°43	9°20	18°35	16°25	19°58	19°55	1°57	22°42	S 12
M13	3 51 41	26°57'00	25°33	11°59	18°57	28°41	11°39	10°49	9°22	18°34	16°25	19°55	19°52	2° 4	22°45	M13
T 14	3 55 38	27°57'56	7♎22	11°26	20°13	29°25	11°40	10°54	9°23	18°32	16°25	19°49	19°49	2°10	22°49	T 14
W15	3 59 34	28°58'54	19°17	10°43	21°29	0♐ 9	11°42	11° 0	9°25	18°31	16°24	19°40	19°45	2°17	22°52	W15
T 16	4 3 31	29°59'53	1♏21	9°49	22°44	0°54	11°43	11° 6	9°27	18°29	16°24	19°29	19°42	2°24	22°56	T 16
F 17	4 7 27	1♐ 0'53	13°35	8°45	24° 0	1°38	11°44	11°12	9°28	18°27	16°24	19°16	19°39	2°30	22°59	F 17
S 18	4 11 24	2° 1'54	26° 2	7°33	25°15	2°22	11°45	11°18	9°30	18°26	16°24	19° 2	19°36	2°37	23° 3	S 18
S 19	4 15 20	3° 2'57	8♐42	6°15	26°31	3° 7	11°45	11°24	9°32	18°24	16°24	18°48	19°33	2°44	23° 6	S 19
M20	4 19 17	4° 4'00	21°34	4°53	27°46	3°51	11°46	11°30	9°34	18°23	16°24	18°36	19°30	2°50	23°10	M20
T 21	4 23 13	5° 5'04	4♑37	3°30	29° 2	4°35	11°46	11°37	9°36	18°21	16°24	18°26	19°26	2°57	23°14	T 21
W22	4 27 10	6° 6'08	17°50	2° 9	0♐17	5°20	11°R46	11°43	9°38	18°19	16°24	18°20	19°23	3° 4	23°18	W22
T 23	4 31 7	7° 7'13	1♒14	0°52	1°33	6° 5	11°46	11°49	9°40	18°18	16°23	18°16	19°20	3°10	23°22	T 23
F 24	4 35 3	8° 8'19	14°48	29♏42	2°49	6°49	11°46	11°55	9°42	18°16	16°D23	18°D15	19°17	3°17	23°25	F 24
S 25	4 39 0	9° 9'25	28°33	28°41	4° 4	7°34	11°45	12° 2	9°44	18°14	16°23	18°15	19°14	3°24	23°29	S 25
S 26	4 42 56	10°10'31	12♓29	27°50	5°20	8°19	11°44	12° 8	9°46	18°13	16°23	18°R16	19°11	3°30	23°33	S 26
M27	4 46 53	11°11'38	26°37	27°10	6°35	9° 3	11°43	12°15	9°48	18°11	16°24	18°15	19° 7	3°37	23°37	M27
T 28	4 50 49	12°12'45	10♈55	26°41	7°51	9°48	11°42	12°21	9°50	18° 9	16°24	18°11	19° 4	3°44	23°41	T 28
W29	4 54 46	13°13'52	25°22	26°22	9° 6	10°33	11°41	12°28	9°53	18° 8	16°24	18° 6	19° 1	3°50	23°46	W29
T 30	4 58 43	14♐14'59	9♉52	26°D15	10♐22	11♐18	11♌39	12♑34	9♒55	18♊ 6	16♓24	17♒57	18♒58	3♎57	23♑50	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16s21	10n 3	4n 6	24s 6	2s34	11s49	1n 7	18s 1	0s13	18n12	0n41	23s 9	0n 3	18s44	0s41	21n46	1s19	20s22	16s22	14s32	14s44	3s20	15s33	6n15
T 2	16 39	16 13	4 42	24 14	2 32	12 16	1 5	18 13	0 13	18 11	0 41	23 9	0 3	18 43	0 41	21 46	1 19	20 21	16 22	14 35	14 45	3 24	15 33	6 15
F 3	16 57	21 23	4 59	24 20	2 29	12 43	1 4	18 25	0 14	18 10	0 41	23 8	0 3	18 43	0 41	21 46	1 19	20 21	16 22	14 39	14 46	3 27	15 33	6 15
S 4	17 14	25 9	4 56	24 24	2 25	13 9	1 2	18 37	0 15	18 9	0 42	23 8	0 3	18 43	0 41	21 46	1 19	20 21	16 21	14 43	14 47	3 30	15 33	6 14
S 5	17 31	27 13	4 34	24 26	2 20	13 35	1 0	18 49	0 15	18 9	0 42	23 8	0 3	18 42	0 41	21 46	1 19	20 21	16 21	14 47	14 48	3 33	15 33	6 14
M 6	17 47	27 29	3 56	24 26	2 14	14 1	0 58	19 1	0 16	18 8	0 42	23 8	0 3	18 42	0 41	21 46	1 19	20 21	16 21	14 50	14 49	3 37	15 33	6 13
T 7	18 4	26 6	3 6	24 23	2 7	14 26	0 56	19 12	0 16	18 7	0 42	23 7	0 3	18 42	0 41	21 46	1 19	20 21	16 20	14 52	14 50	3 40	15 33	6 13
W 8	18 20	23 19	2 8	24 18	1 59	14 51	0 54	19 24	0 17	18 7	0 43	23 7	0 3	18 41	0 41	21 45	1 19	20 21	16 20	14 53	14 51	3 43	15 33	6 13
T 9	18 35	19 30	1 5	24 11	1 49	15 16	0 52	19 35	0 18	18 6	0 43	23 6	0 2	18 41	0 41	21 45	1 19	20 21	16 20	14 54	14 52	3 47	15 33	6 12
F 10	18 51	14 56	0 1	24 1	1 38	15 40	0 50	19 46	0 18	18 6	0 43	23 6	0 2	18 40	0 41	21 45	1 19	20 21	16 19	14 54	14 53	3 50	15 32	6 12
S 11	19 6	9 53	1s 3	23 49	1 25	16 4	0 48	19 57	0 19	18 5	0 43	23 6	0 2	18 40	0 41	21 45	1 19	20 20	16 19	14 54	14 54	3 53	15 32	6 12
S 12	19 20	4 33	2 2	23 33	1 11	16 27	0 46	20 7	0 19	18 5	0 44	23 5	0 2	18 40	0 41	21 45	1 19	20 20	16 19	14 54	14 55	3 56	15 32	6 11
M13	19 35	0s55	2 56	23 15	0 55	16 50	0 44	20 18	0 20	18 5	0 44	23 5	0 2	18 39	0 41	21 45	1 19	20 20	16 18	14 55	14 56	4 0	15 32	6 11
T 14	19 48	6 21	3 43	22 54	0 38	17 13	0 42	20 28	0 21	18 5	0 44	23 5	0 2	18 39	0 41	21 45	1 19	20 20	16 18	14 57	14 57	4 3	15 32	6 10
W15	20 2	11 35	4 20	22 29	0 20	17 35	0 40	20 38	0 21	18 5	0 44	23 4	0 2	18 38	0 40	21 44	1 19	20 20	16 18	14 59	14 58	4 6	15 32	6 10
T 16	20 15	16 27	4 46	22 2	0 0	17 57	0 38	20 48	0 22	18 4	0 45	23 4	0 2	18 38	0 40	21 44	1 19	20 19	16 17	15 3	14 59	4 10	15 31	6 10
F 17	20 28	20 44	4 59	21 33	0n20	18 18	0 35	20 58	0 22	18 4	0 45	23 3	0 2	18 37	0 40	21 44	1 20	20 19	16 17	15 7	15 0	4 13	15 31	6 9
S 18	20 40	24 11	4 58	21 1	0 40	18 38	0 33	21 7	0 23	18 4	0 45	23 3	0 2	18 37	0 40	21 44	1 20	20 19	16 17	15 12	15 1	4 16	15 31	6 9
S 19	20 52	26 31	4 43	20 28	1 1	18 58	0 31	21 16	0 24	18 4	0 45	23 2	0 2	18 36	0 40	21 44	1 20	20 19	16 16	15 16	15 2	4 19	15 31	6 9
M20	21 4	27 30	4 13	19 54	1 20	19 18	0 29	21 25	0 24	18 5	0 46	23 2	0 2	18 36	0 40	21 44	1 20	20 18	16 16	15 20	15 3	4 23	15 30	6 8
T 21	21 15	26 58	3 29	19 21	1 39	19 37	0 26	21 34	0 25	18 5	0 46	23 2	0 2	18 35	0 40	21 44	1 20	20 18	16 16	15 23	15 4	4 26	15 30	6 8
W22	21 26	24 54	2 34	18 48	1 56	19 55	0 24	21 43	0 25	18 5	0 46	23 1	0 1	18 35	0 40	21 43	1 20	20 18	16 15	15 25	15 5	4 29	15 30	6 8
T 23	21 37	21 26	1 29	18 18	2 11	20 13	0 22	21 51	0 26	18 5	0 46	23 1	0 1	18 34	0 40	21 43	1 20	20 17	16 15	15 26	15 6	4 32	15 29	6 8
F 24	21 47	16 46	0 18	17 51	2 24	20 31	0 19	22 0	0 27	18 6	0 47	23 0	0 1	18 34	0 40	21 43	1 20	20 17	16 15	15 26	15 7	4 36	15 29	6 7
S 25	21 56	11 11	0n54	17 28	2 34	20 47	0 17	22 8	0 27	18 6	0 47	23 0	0 1	18 33	0 40	21 43	1 20	20 17	16 14	15 26	15 8	4 39	15 29	6 7
S 26	22 5	4 59	2 5	17 8	2 42	21 4	0 15	22 16	0 28	18 6	0 47	22 59	0 1	18 32	0 40	21 43	1 20	20 17	16 14	15 26	15 9	4 42	15 28	6 7
M27	22 14	1n32	3 9	16 54	2 48	21 19	0 12	22 23	0 28	18 7	0 47	22 59	0 1	18 32	0 40	21 43	1 20	20 16	16 14	15 26	15 10	4 45	15 28	6 6
T 28	22 22	8 3	4 2	16 43	2 52	21 34	0 10	22 31	0 29	18 7	0 48	22 58	0 1	18 31	0 40	21 43	1 20	20 16	16 13	15 27	15 11	4 49	15 27	6 6
W29	22 30	14 12	4 40	16 37	2 54	21 48	0 7	22 38	0 30	18 8	0 48	22 58	0 1	18 30	0 40	21 42	1 20	20 15	16 13	15 29	15 12	4 52	15 27	6 6
T 30	22s38	19n35	5n 0	16s35	2n55	22s 2	0n 5	22s45	0s30	18n 9	0n48	22s57	0n 1	18s30	0s40	21n42	1s20	20s15	16s13	15s32	15s13	4s55	15s27	6n 6

Julian Day Number = 2114736.5, Delta T = 18m57s
Ecliptic obliquity = 23°33'39, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°53'07, Lahiri = 11°00'07 Julian Calendar 1 Nov. 1077 == Greg. Calendar 7 Nov. 1077

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1077
geocentric

DECEMBER 1077 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 2 39	15♐16'07	24♉19	26♏17	11♐37	12♐ 3	11°R38	12♑41	9♒57	18°R 4	16♓24	17°R47	18♒55	4♎ 4	23♑54	F 1
S 2	5 6 36	16°17'16	8♊39	26°29	12°53	12°48	11♌36	12°47	9°59	18♊ 2	16°24	17♒37	18°51	4°11	23°58	S 2
S 3	5 10 32	17°18'24	22°43	26°49	14° 8	13°33	11°34	12°54	10° 2	18° 1	16°24	17°27	18°48	4°17	24° 2	S 3
M 4	5 14 29	18°19'33	6♋27	27°16	15°24	14°18	11°31	13° 1	10° 4	17°59	16°25	17°19	18°45	4°24	24° 7	M 4
T 5	5 18 25	19°20'43	19°49	27°51	16°39	15° 3	11°29	13° 7	10° 7	17°57	16°25	17°13	18°42	4°31	24°11	T 5
W 6	5 22 22	20°21'53	2♌47	28°32	17°55	15°48	11°26	13°14	10° 9	17°56	16°25	17° 9	18°39	4°37	24°15	W 6
T 7	5 26 18	21°23'03	15°24	29°18	19°10	16°33	11°23	13°21	10°12	17°54	16°25	17°D 8	18°36	4°44	24°20	T 7
F 8	5 30 15	22°24'14	27°41	0♐ 9	20°26	17°18	11°20	13°28	10°14	17°52	16°26	17° 9	18°32	4°51	24°24	F 8
S 9	5 34 12	23°25'25	9♍44	1° 4	21°41	18° 4	11°17	13°35	10°17	17°51	16°26	17°10	18°29	4°57	24°29	S 9
S 10	5 38 8	24°26'36	21°38	2° 4	22°57	18°49	11°14	13°41	10°20	17°49	16°26	17°R11	18°26	5° 4	24°33	S 10
M11	5 42 5	25°27'48	3♎28	3° 6	24°13	19°34	11°10	13°48	10°22	17°47	16°27	17°10	18°23	5°11	24°38	M11
T 12	5 46 1	26°29'00	15°19	4°12	25°28	20°20	11° 6	13°55	10°25	17°45	16°27	17° 8	18°20	5°17	24°42	T 12
W13	5 49 58	27°30'13	27°16	5°20	26°44	21° 5	11° 2	14° 2	10°28	17°44	16°28	17° 4	18°17	5°24	24°47	W13
T 14	5 53 54	28°31'26	9♏23	6°31	27°59	21°51	10°58	14° 9	10°30	17°42	16°28	16°57	18°13	5°31	24°51	T 14
F 15	5 57 51	29°32'39	21°45	7°44	29°15	22°36	10°54	14°16	10°33	17°40	16°28	16°49	18°10	5°37	24°56	F 15
S 16	6 1 47	0♑33'52	4♐22	8°58	0♑30	23°22	10°49	14°23	10°36	17°39	16°29	16°40	18° 7	5°44	25° 1	S 16
S 17	6 5 44	1°35'05	17°17	10°15	1°46	24° 8	10°44	14°30	10°39	17°37	16°29	16°32	18° 4	5°51	25° 5	S 17
M18	6 9 41	2°36'18	0♑28	11°32	3° 1	24°53	10°40	14°37	10°42	17°36	16°30	16°24	18° 1	5°58	25°10	M18
T 19	6 13 37	3°37'31	13°54	12°52	4°17	25°39	10°35	14°44	10°45	17°34	16°31	16°18	17°57	6° 4	25°15	T 19
W20	6 17 34	4°38'43	27°33	14°12	5°32	26°25	10°29	14°51	10°48	17°32	16°31	16°14	17°54	6°11	25°19	W20
T 21	6 21 30	5°39'55	11♒22	15°34	6°47	27°11	10°24	14°58	10°51	17°31	16°32	16°D13	17°51	6°18	25°24	T 21
F 22	6 25 27	6°41'07	25°19	16°56	8° 3	27°56	10°19	15° 5	10°54	17°29	16°32	16°13	17°48	6°24	25°29	F 22
S 23	6 29 23	7°42'18	9♓21	18°20	9°18	28°42	10°13	15°13	10°57	17°27	16°33	16°14	17°45	6°31	25°34	S 23
S 24	6 33 20	8°43'28	23°27	19°44	10°34	29°28	10° 7	15°20	11° 0	17°26	16°34	16°16	17°42	6°38	25°38	S 24
M25	6 37 17	9°44'37	7♈35	21° 9	11°49	0♑14	10° 1	15°27	11° 3	17°24	16°35	16°R16	17°38	6°44	25°43	M25
T 26	6 41 13	10°45'46	21°44	22°35	13° 5	1° 0	9°55	15°34	11° 6	17°23	16°35	16°16	17°35	6°51	25°48	T 26
W27	6 45 10	11°46'54	5♉52	24° 2	14°20	1°46	9°49	15°41	11° 9	17°21	16°36	16°14	17°32	6°58	25°53	W27
T 28	6 49 6	12°48'01	19°57	25°30	15°36	2°32	9°43	15°48	11°12	17°20	16°37	16°10	17°29	7° 4	25°58	T 28
F 29	6 53 3	13°49'07	3♊55	26°58	16°51	3°18	9°36	15°55	11°15	17°18	16°38	16° 5	17°26	7°11	26° 3	F 29
S 30	6 56 59	14°50'13	17°44	28°27	18° 6	4° 4	9°30	16° 2	11°19	17°17	16°38	16° 0	17°23	7°18	26° 8	S 30
S 31	7 0 56	15♑51'17	1♋22	29♐56	19♑22	4♑51	9♌23	16♑10	11♒22	17♊15	16♓39	15♒55	17♒19	7♎25	26♑13	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	22s44	23n48	5n 1	16s37	2n53	22s15	0n 3	22s51	0s31	18n 9	0n48	22s56	0n 1	18s29	0s40	21n42	1s19	20s15	16s12	15s35	15s14	4s58	15s26	6n 5	F 1
S 2	22 51	26 31	4 43	16 42	2 51	22 27	0 0	22 58	0 31	18 10	0 48	22 56	0 1	18 29	0 40	21 42	1 19	20 14	16 12	15 38	15 15	5 2	15 26	6 5	S 2
S 3	22 57	27 29	4 8	16 50	2 47	22 39	0s 2	23 4	0 32	18 11	0 49	22 55	0 1	18 28	0 40	21 42	1 19	20 14	16 11	15 41	15 16	5 5	15 25	6 5	S 3
M 4	23 3	26 43	3 20	17 1	2 42	22 50	0 5	23 10	0 32	18 12	0 49	22 55	0 1	18 27	0 40	21 42	1 19	20 14	16 11	15 43	15 17	5 8	15 25	6 5	M 4
T 5	23 8	24 25	2 21	17 14	2 37	23 0	0 7	23 16	0 33	18 13	0 49	22 54	0 0	18 26	0 40	21 42	1 19	20 13	16 11	15 45	15 18	5 11	15 24	6 4	T 5
W 6	23 13	20 52	1 16	17 29	2 31	23 10	0 9	23 21	0 34	18 14	0 49	22 54	0 0	18 26	0 40	21 41	1 19	20 13	16 10	15 46	15 19	5 15	15 24	6 4	W 6
T 7	23 17	16 27	0 9	17 45	2 24	23 19	0 12	23 27	0 34	18 15	0 50	22 53	0 0	18 25	0 40	21 41	1 19	20 12	16 10	15 47	15 20	5 18	15 23	6 4	T 7
F 8	23 20	11 27	0s56	18 3	2 17	23 27	0 14	23 32	0 35	18 16	0 50	22 52	0 0	18 24	0 40	21 41	1 19	20 12	16 10	15 47	15 21	5 21	15 23	6 4	F 8
S 9	23 24	6 8	1 58	18 22	2 10	23 34	0 16	23 36	0 35	18 17	0 50	22 52	0 0	18 24	0 40	21 41	1 19	20 11	16 9	15 46	15 22	5 24	15 22	6 3	S 9
S 10	23 27	0 40	2 55	18 41	2 2	23 41	0 19	23 41	0 36	18 18	0 50	22 51	0 0	18 23	0 40	21 41	1 19	20 11	16 9	15 46	15 23	5 27	15 22	6 3	S 10
M11	23 29	4s47	3 43	19 1	1 54	23 47	0 21	23 45	0 36	18 19	0 51	22 50	0 0	18 22	0 40	21 41	1 19	20 10	16 9	15 46	15 24	5 31	15 21	6 3	M11
T 12	23 31	10 5	4 22	19 21	1 46	23 52	0 23	23 49	0 37	18 21	0 51	22 50	0s 0	18 21	0 40	21 41	1 19	20 10	16 8	15 47	15 25	5 34	15 20	6 3	T 12
W13	23 32	15 3	4 49	19 42	1 38	23 57	0 26	23 53	0 38	18 22	0 51	22 49	0 0	18 21	0 40	21 40	1 19	20 9	16 8	15 48	15 26	5 37	15 20	6 3	W13
T 14	23 33	19 30	5 5	20 2	1 29	24 1	0 28	23 57	0 38	18 23	0 51	22 48	0 0	18 20	0 40	21 40	1 19	20 9	16 8	15 50	15 27	5 40	15 19	6 2	T 14
F 15	23 34	23 13	5 6	20 23	1 21	24 4	0 30	24 0	0 39	18 25	0 52	22 48	0 0	18 19	0 40	21 40	1 19	20 8	16 7	15 52	15 28	5 44	15 19	6 2	F 15
S 16	23 34	25 55	4 53	20 43	1 12	24 6	0 32	24 3	0 39	18 26	0 52	22 47	0 0	18 18	0 40	21 40	1 19	20 8	16 7	15 55	15 29	5 47	15 18	6 2	S 16
S 17	23 33	27 20	4 25	21 3	1 4	24 8	0 35	24 5	0 40	18 28	0 52	22 46	0 0	18 17	0 40	21 40	1 19	20 7	16 7	15 58	15 30	5 50	15 17	6 2	S 17
M18	23 32	27 15	3 42	21 22	0 56	24 8	0 37	24 8	0 40	18 29	0 52	22 46	0 1	18 17	0 40	21 40	1 19	20 7	16 6	16 0	15 31	5 53	15 17	6 2	M18
T 19	23 31	25 35	2 46	21 40	0 47	24 8	0 39	24 10	0 41	18 31	0 53	22 45	0 1	18 16	0 40	21 40	1 19	20 6	16 6	16 2	15 32	5 56	15 16	6 2	T 19
W20	23 29	22 23	1 39	21 58	0 39	24 8	0 41	24 12	0 41	18 33	0 53	22 44	0 1	18 15	0 40	21 40	1 19	20 6	16 6	16 3	15 33	6 0	15 15	6 1	W20
T 21	23 26	17 53	0 26	22 16	0 31	24 6	0 43	24 14	0 42	18 34	0 53	22 44	0 1	18 14	0 40	21 39	1 19	20 5	16 5	16 3	15 34	6 3	15 15	6 1	T 21
F 22	23 23	12 22	0n49	22 32	0 23	24 4	0 45	24 15	0 42	18 36	0 53	22 43	0 1	18 13	0 40	21 39	1 19	20 5	16 5	16 3	15 35	6 6	15 14	6 1	F 22
S 23	23 20	6 13	2 3	22 48	0 15	24 1	0 47	24 16	0 43	18 38	0 53	22 42	0 1	18 12	0 40	21 39	1 19	20 4	16 5	16 3	15 35	6 9	15 13	6 1	S 23
S 24	23 16	0n17	3 9	23 3	0 7	23 57	0 49	24 17	0 44	18 39	0 54	22 41	0 1	18 12	0 40	21 39	1 19	20 4	16 4	16 3	15 36	6 12	15 12	6 1	S 24
M25	23 12	6 45	4 4	23 16	0s 1	23 53	0 51	24 18	0 44	18 41	0 54	22 41	0 1	18 11	0 40	21 39	1 19	20 3	16 4	16 2	15 37	6 16	15 12	6 1	M25
T 26	23 7	12 53	4 44	23 29	0 8	23 48	0 53	24 18	0 45	18 43	0 54	22 40	0 1	18 10	0 40	21 39	1 19	20 3	16 4	16 2	15 38	6 19	15 11	6 1	T 26
W27	23 2	18 21	5 7	23 41	0 16	23 42	0 55	24 18	0 45	18 45	0 54	22 39	0 1	18 9	0 40	21 39	1 19	20 2	16 3	16 3	15 39	6 22	15 10	6 1	W27
T 28	22 56	22 48	5 11	23 52	0 23	23 35	0 57	24 18	0 46	18 47	0 54	22 38	0 1	18 8	0 40	21 39	1 19	20 1	16 3	16 4	15 40	6 25	15 9	6 1	T 28
F 29	22 50	25 54	4 57	24 1	0 30	23 28	0 59	24 17	0 46	18 49	0 55	22 38	0 1	18 7	0 40	21 38	1 19	20 1	16 3	16 6	15 41	6 28	15 9	6 0	F 29
S 30	22 44	27 24	4 25	24 10	0 37	23 20	1 0	24 16	0 47	18 51	0 55	22 37	0 1	18 6	0 40	21 38	1 19	20 0	16 2	16 7	15 42	6 32	15 8	6 0	S 30
S 31	22s37	27n13	3n39	24s17	0s43	23s11	1s 2	24s15	0s47	18n53	0n55	22s36	0s 1	18s 5	0s40	21n38	1s19	20s 0	16s 2	16s 9	15s43	6s35	15s 7	6n 0	S 31

Julian Day Number = 2114766.5, Delta T = 18m57s
Ecliptic obliquity = 23°33'38, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°53'11, Lahiri = 11°00'11 Julian Calendar 1 Dec. 1077 == Greg. Calendar 7 Dec. 1077

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1078
geocentric

JANUARY 1078 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 4 52	16♉52'21	14♋44	1♉26	20♉37	5♉37	9°R16	16♉17	11♒25	17°R14	16♓40	15°R51	17♒16	7♎31	26♉17	M 1
T 2	7 8 49	17°53'24	27°49	2°57	21°52	6°23	9♌ 9	16°24	11°28	17♊13	16°41	15♒48	17°13	7°38	26°22	T 2
W 3	7 12 46	18°54'27	10♌37	4°28	23° 8	7° 9	9° 2	16°31	11°32	17°11	16°42	15°D47	17°10	7°45	26°27	W 3
T 4	7 16 42	19°55'28	23° 8	6° 0	24°23	7°55	8°55	16°38	11°35	17°10	16°43	15°47	17° 7	7°51	26°32	T 4
F 5	7 20 39	20°56'29	5♍24	7°33	25°38	8°42	8°48	16°45	11°38	17° 8	16°44	15°48	17° 4	7°58	26°37	F 5
S 6	7 24 35	21°57'29	17°28	9° 6	26°54	9°28	8°41	16°52	11°41	17° 7	16°45	15°50	17° 0	8° 5	26°42	S 6
S 7	7 28 32	22°58'29	29°23	10°40	28° 9	10°14	8°33	17° 0	11°45	17° 6	16°46	15°52	16°57	8°11	26°47	S 7
M 8	7 32 28	23°59'27	11♎14	12°14	29°24	11° 1	8°26	17° 7	11°48	17° 4	16°47	15°53	16°54	8°18	26°52	M 8
T 9	7 36 25	25° 0'25	23° 6	13°49	0♒40	11°47	8°18	17°14	11°51	17° 3	16°48	15°R54	16°51	8°25	26°57	T 9
W10	7 40 21	26° 1'23	5♏ 3	15°25	1°55	12°34	8°11	17°21	11°55	17° 2	16°49	15°53	16°48	8°31	27° 2	W10
T 11	7 44 18	27° 2'19	17°10	17° 2	3°10	13°20	8° 3	17°28	11°58	17° 1	16°50	15°52	16°44	8°38	27° 7	T 11
F 12	7 48 15	28° 3'15	29°32	18°39	4°25	14° 7	7°55	17°35	12° 2	16°59	16°51	15°50	16°41	8°45	27°12	F 12
S 13	7 52 11	29° 4'10	12♐13	20°17	5°41	14°53	7°47	17°42	12° 5	16°58	16°52	15°48	16°38	8°52	27°17	S 13
S 14	7 56 8	0♒ 5'04	25°14	21°55	6°56	15°40	7°40	17°49	12° 8	16°57	16°53	15°45	16°35	8°58	27°22	S 14
M15	8 0 4	1° 5'57	8♑37	23°35	8°11	16°26	7°32	17°56	12°12	16°56	16°54	15°43	16°32	9° 5	27°27	M15
T 16	8 4 1	2° 6'49	22°21	25°15	9°26	17°13	7°24	18° 3	12°15	16°55	16°55	15°42	16°29	9°12	27°32	T 16
W17	8 7 57	3° 7'40	6♒23	26°56	10°42	18° 0	7°16	18°10	12°19	16°54	16°56	15°41	16°25	9°18	27°37	W17
T 18	8 11 54	4° 8'29	20°40	28°37	11°57	18°46	7° 8	18°17	12°22	16°53	16°57	15°D41	16°22	9°25	27°42	T 18
F 19	8 15 50	5° 9'17	5♓ 6	0♒19	13°12	19°33	7° 0	18°24	12°26	16°52	16°58	15°41	16°19	9°32	27°47	F 19
S 20	8 19 47	6°10'03	19°36	2° 3	14°27	20°20	6°52	18°31	12°29	16°51	17° 0	15°42	16°16	9°38	27°51	S 20
S 21	8 23 44	7°10'48	4♈ 5	3°47	15°42	21° 6	6°44	18°38	12°33	16°50	17° 1	15°43	16°13	9°45	27°56	S 21
M22	8 27 40	8°11'31	18°28	5°31	16°57	21°53	6°36	18°45	12°36	16°49	17° 2	15°43	16° 9	9°52	28° 1	M22
T 23	8 31 37	9°12'12	2♉43	7°17	18°12	22°40	6°28	18°52	12°39	16°48	17° 3	15°44	16° 6	9°59	28° 6	T 23
W24	8 35 33	10°12'52	16°46	9° 3	19°28	23°27	6°20	18°59	12°43	16°47	17° 5	15°R44	16° 3	10° 5	28°11	W24
T 25	8 39 30	11°13'30	0♊36	10°51	20°43	24°14	6°12	19° 5	12°46	16°46	17° 6	15°44	16° 0	10°12	28°16	T 25
F 26	8 43 26	12°14'06	14°14	12°39	21°58	25° 0	6° 4	19°12	12°50	16°45	17° 7	15°43	15°57	10°19	28°21	F 26
S 27	8 47 23	13°14'40	27°37	14°28	23°13	25°47	5°57	19°19	12°53	16°45	17° 8	15°43	15°54	10°25	28°26	S 27
S 28	8 51 19	14°15'13	10♋47	16°17	24°28	26°34	5°49	19°26	12°57	16°44	17°10	15°43	15°50	10°32	28°30	S 28
M29	8 55 16	15°15'44	23°44	18° 7	25°43	27°21	5°41	19°32	13° 0	16°43	17°11	15°D42	15°47	10°39	28°35	M29
T 30	8 59 13	16°16'13	6♌28	19°58	26°58	28° 8	5°33	19°39	13° 4	16°42	17°12	15°42	15°44	10°45	28°40	T 30
W31	9 3 9	17♒16'40	18♌59	21♒50	28♒13	28♉55	5♌26	19♉46	13♒ 7	16♊42	17♓14	15°R42	15♒41	10♎52	28♉45	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s29	25n25	2n42	24s23	0s50	23s 1	1s 4	24s14	0s48	18n55	0n55	22s35	0s 2	18s 5	0s40	21n38	1s19	19s59	16s 2	16s10	15s44	6s38	15s 6	6n 0
T 2	22 21	22 17	1 37	24 28	0 56	22 51	1 5	24 12	0 48	18 57	0 55	22 34	0 2	18 4	0 40	21 38	1 19	19 58	16 2	16 11	15 45	6 41	15 5	6 0
W 3	22 13	18 7	0 28	24 31	1 2	22 40	1 7	24 11	0 49	18 59	0 56	22 34	0 2	18 3	0 40	21 38	1 19	19 58	16 1	16 11	15 46	6 44	15 4	6 0
T 4	22 4	13 14	0s40	24 33	1 8	22 28	1 8	24 8	0 49	19 1	0 56	22 33	0 2	18 2	0 40	21 38	1 19	19 57	16 1	16 11	15 47	6 47	15 3	6 0
F 5	21 55	7 56	1 46	24 34	1 14	22 16	1 10	24 6	0 50	19 3	0 56	22 32	0 2	18 1	0 39	21 38	1 19	19 56	16 1	16 11	15 48	6 51	15 3	6 0
S 6	21 46	2 26	2 46	24 34	1 19	22 3	1 11	24 3	0 50	19 5	0 56	22 31	0 2	18 0	0 39	21 38	1 19	19 56	16 0	16 10	15 49	6 54	15 2	6 0
S 7	21 36	3s 5	3 37	24 32	1 24	21 49	1 13	24 0	0 51	19 7	0 56	22 30	0 2	17 59	0 39	21 38	1 19	19 55	16 0	16 10	15 50	6 57	15 1	6 0
M 8	21 25	8 27	4 20	24 28	1 29	21 35	1 14	23 57	0 51	19 9	0 56	22 30	0 2	17 58	0 39	21 37	1 19	19 55	16 0	16 9	15 51	7 0	15 0	6 0
T 9	21 14	13 31	4 51	24 23	1 33	21 20	1 15	23 53	0 51	19 11	0 57	22 29	0 2	17 57	0 39	21 37	1 19	19 54	16 0	16 9	15 52	7 3	14 59	6 0
W10	21 3	18 8	5 10	24 17	1 38	21 5	1 16	23 50	0 52	19 14	0 57	22 28	0 2	17 56	0 39	21 37	1 19	19 53	15 59	16 9	15 53	7 6	14 58	6 0
T 11	20 51	22 5	5 15	24 9	1 42	20 48	1 18	23 45	0 52	19 16	0 57	22 27	0 2	17 55	0 39	21 37	1 19	19 53	15 59	16 10	15 54	7 10	14 57	6 0
F 12	20 39	25 8	5 7	24 0	1 46	20 32	1 19	23 41	0 53	19 18	0 57	22 26	0 2	17 54	0 39	21 37	1 19	19 52	15 59	16 10	15 55	7 13	14 56	6 0
S 13	20 27	27 2	4 43	23 49	1 49	20 14	1 20	23 36	0 53	19 20	0 57	22 25	0 2	17 53	0 39	21 37	1 18	19 51	15 59	16 11	15 56	7 16	14 55	6 0
S 14	20 14	27 32	4 4	23 36	1 52	19 56	1 21	23 32	0 54	19 22	0 57	22 24	0 2	17 52	0 39	21 37	1 18	19 51	15 58	16 12	15 57	7 19	14 54	6 0
M15	20 1	26 27	3 11	23 22	1 55	19 37	1 22	23 26	0 54	19 24	0 58	22 24	0 3	17 51	0 39	21 37	1 18	19 50	15 58	16 12	15 58	7 22	14 53	6 0
T 16	19 47	23 46	2 6	23 7	1 57	19 18	1 23	23 21	0 55	19 27	0 58	22 23	0 3	17 50	0 39	21 37	1 18	19 49	15 58	16 13	15 59	7 25	14 52	6 0
W17	19 33	19 36	0 51	22 50	1 59	18 59	1 23	23 15	0 55	19 29	0 58	22 22	0 3	17 49	0 39	21 37	1 18	19 49	15 58	16 13	16 0	7 29	14 51	6 0
T 18	19 19	14 15	0n28	22 31	2 1	18 38	1 24	23 9	0 56	19 31	0 58	22 21	0 3	17 48	0 39	21 37	1 18	19 48	15 57	16 13	16 1	7 32	14 50	6 0
F 19	19 5	8 3	1 46	22 10	2 2	18 18	1 25	23 3	0 56	19 33	0 58	22 20	0 3	17 47	0 39	21 37	1 18	19 47	15 57	16 13	16 2	7 35	14 49	6 0
S 20	18 50	1 25	2 57	21 48	2 3	17 56	1 25	22 57	0 56	19 35	0 58	22 19	0 3	17 46	0 39	21 37	1 18	19 47	15 57	16 13	16 3	7 38	14 48	6 0
S 21	18 34	5n15	3 57	21 25	2 4	17 35	1 26	22 50	0 57	19 37	0 58	22 18	0 3	17 45	0 39	21 37	1 18	19 46	15 57	16 12	16 3	7 41	14 47	6 0
M22	18 19	11 37	4 42	20 59	2 4	17 12	1 26	22 43	0 57	19 40	0 58	22 18	0 3	17 45	0 39	21 37	1 18	19 45	15 56	16 12	16 4	7 44	14 46	6 0
T 23	18 3	17 18	5 9	20 32	2 3	16 50	1 27	22 35	0 58	19 42	0 58	22 17	0 3	17 44	0 39	21 36	1 18	19 45	15 56	16 12	16 5	7 47	14 45	6 0
W24	17 46	21 59	5 17	20 3	2 3	16 26	1 27	22 28	0 58	19 44	0 59	22 16	0 3	17 43	0 39	21 36	1 18	19 44	15 56	16 12	16 6	7 51	14 44	6 1
T 25	17 30	25 22	5 7	19 33	2 1	16 3	1 27	22 20	0 58	19 46	0 59	22 15	0 3	17 42	0 39	21 36	1 18	19 43	15 56	16 12	16 7	7 54	14 43	6 1
F 26	17 13	27 14	4 39	19 1	2 0	15 38	1 28	22 12	0 59	19 48	0 59	22 14	0 3	17 41	0 39	21 36	1 18	19 43	15 56	16 12	16 8	7 57	14 42	6 1
S 27	16 56	27 29	3 56	18 27	1 57	15 14	1 28	22 4	0 59	19 50	0 59	22 13	0 3	17 40	0 39	21 36	1 18	19 42	15 55	16 12	16 9	8 0	14 41	6 1
S 28	16 38	26 8	3 2	17 51	1 55	14 49	1 28	21 55	1 0	19 52	0 59	22 12	0 4	17 39	0 39	21 36	1 18	19 41	15 55	16 12	16 10	8 3	14 40	6 1
M29	16 20	23 25	1 59	17 14	1 51	14 24	1 28	21 47	1 0	19 54	0 59	22 11	0 4	17 38	0 39	21 36	1 18	19 40	15 55	16 13	16 11	8 6	14 39	6 1
T 30	16 2	19 35	0 51	16 35	1 47	13 58	1 28	21 38	1 0	19 56	0 59	22 10	0 4	17 37	0 39	21 36	1 18	19 40	15 55	16 13	16 12	8 9	14 38	6 1
W31	15s44	14n55	0s18	15s55	1s43	13s32	1s28	21s28	1s 1	19n58	0n59	22s10	0s 4	17s36	0s39	21n36	1s18	19s39	15s55	16s13	16s13	8s12	14s37	6n 1

Julian Day Number = 2114797.5, Delta T = 18m56s
Ecliptic obliquity = 23°33'38, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°53'15, Lahiri = 11°00'16 Julian Calendar 1 Jan. 1078 == Greg. Calendar 7 Jan. 1078

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1078
geocentric

FEBRUARY 1078 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 7 6	18♒17'06	1♍19	23♒42	29♒27	29♑42	5°R18	19♑52	13♒11	16°R41	17♓15	15°R42	15♒38	10♎59	28♑49	T 1
F 2	9 11 2	19°17'30	13°28	25°35	0♓42	0♒28	5♌10	19°59	13°14	16♊40	17°16	15♒42	15°35	11° 5	28°54	F 2
S 3	9 14 59	20°17'52	25°28	27°28	1°57	1°15	5° 3	20° 5	13°18	16°40	17°18	15°42	15°31	11°12	28°59	S 3
S 4	9 18 55	21°18'13	7♎22	29°21	3°12	2° 2	4°56	20°12	13°21	16°39	17°19	15°41	15°28	11°19	29° 3	S 4
M 5	9 22 52	22°18'33	19°14	1♓14	4°27	2°49	4°48	20°18	13°25	16°39	17°20	15°40	15°25	11°26	29° 8	M 5
T 6	9 26 48	23°18'50	1♏ 5	3° 6	5°42	3°36	4°41	20°25	13°28	16°38	17°22	15°39	15°22	11°32	29°13	T 6
W 7	9 30 45	24°19'07	13° 1	4°59	6°56	4°23	4°34	20°31	13°31	16°38	17°23	15°39	15°19	11°39	29°17	W 7
T 8	9 34 42	25°19'22	25° 7	6°50	8°11	5°10	4°27	20°37	13°35	16°37	17°25	15°D38	15°15	11°46	29°22	T 8
F 9	9 38 38	26°19'35	7♐26	8°41	9°26	5°57	4°20	20°44	13°38	16°37	17°26	15°39	15°12	11°52	29°26	F 9
S 10	9 42 35	27°19'47	20° 3	10°30	10°41	6°44	4°13	20°50	13°42	16°37	17°27	15°39	15° 9	11°59	29°31	S 10
S 11	9 46 31	28°19'57	3♑ 2	12°17	11°55	7°31	4° 6	20°56	13°45	16°36	17°29	15°40	15° 6	12° 6	29°36	S 11
M12	9 50 28	29°20'05	16°25	14° 1	13°10	8°18	4° 0	21° 2	13°48	16°36	17°30	15°41	15° 3	12°12	29°40	M12
T 13	9 54 24	0♓20'12	0♒14	15°43	14°25	9° 5	3°53	21° 8	13°52	16°36	17°32	15°42	15° 0	12°19	29°44	T 13
W14	9 58 21	1°20'17	14°28	17°22	15°39	9°52	3°47	21°14	13°55	16°36	17°33	15°R43	14°56	12°26	29°49	W14
T 15	10 2 17	2°20'20	29° 3	18°57	16°54	10°39	3°40	21°20	13°59	16°35	17°35	15°43	14°53	12°33	29°53	T 15
F 16	10 6 14	3°20'22	13♓53	20°27	18° 9	11°26	3°34	21°26	14° 2	16°35	17°36	15°41	14°50	12°39	29°58	F 16
S 17	10 10 11	4°20'21	28°51	21°52	19°23	12°14	3°28	21°32	14° 5	16°35	17°38	15°39	14°47	12°46	0♒ 2	S 17
S 18	10 14 7	5°20'18	13♈47	23°12	20°38	13° 1	3°23	21°38	14° 8	16°35	17°39	15°37	14°44	12°53	0° 6	S 18
M19	10 18 4	6°20'13	28°34	24°26	21°52	13°48	3°17	21°44	14°12	16°35	17°41	15°34	14°41	12°59	0°10	M19
T 20	10 22 0	7°20'06	13♉ 6	25°34	23° 7	14°35	3°11	21°50	14°15	16°D35	17°42	15°32	14°37	13° 6	0°15	T 20
W21	10 25 57	8°19'56	27°18	26°34	24°21	15°22	3° 6	21°55	14°18	16°35	17°44	15°30	14°34	13°13	0°19	W21
T 22	10 29 53	9°19'44	11♊ 8	27°27	25°36	16° 9	3° 1	22° 1	14°22	16°35	17°45	15°D30	14°31	13°20	0°23	T 22
F 23	10 33 50	10°19'30	24°37	28°12	26°50	16°56	2°56	22° 6	14°25	16°35	17°47	15°31	14°28	13°26	0°27	F 23
S 24	10 37 46	11°19'14	7♋46	28°50	28° 4	17°43	2°51	22°12	14°28	16°35	17°48	15°32	14°25	13°33	0°31	S 24
S 25	10 41 43	12°18'55	20°37	29°19	29°19	18°30	2°46	22°17	14°31	16°36	17°50	15°34	14°21	13°40	0°35	S 25
M26	10 45 40	13°18'34	3♌14	29°40	0♈33	19°17	2°41	22°23	14°34	16°36	17°51	15°35	14°18	13°46	0°39	M26
T 27	10 49 36	14°18'11	15°39	29°52	1°47	20° 4	2°37	22°28	14°37	16°36	17°53	15°R36	14°15	13°53	0°43	T 27
W28	10 53 33	15♓17'45	27♌53	29°R57	3♈ 2	20♒51	2♌33	22♑33	14♒41	16♊36	17♓54	15♒35	14♒12	14♎ 0	0♒47	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	15s26	9n44	1s26	15s13	1s38	13s 5	1s28	21s19	1s 1	20n 0	0n59	22s 9	0s 4	17s35	0s39	21n36	1s18	19s38	15s55	16s13	16s14	8s16	14s36	6n 1	T 1
F 2	15 7	4 15	2 28	14 30	1 32	12 39	1 28	21 9	1 1	20 2	0 59	22 8	0 4	17 34	0 39	21 36	1 18	19 38	15 54	16 13	16 15	8 19	14 35	6 2	F 2
S 3	14 48	1s18	3 23	13 45	1 26	12 11	1 27	20 59	1 2	20 4	0 59	22 7	0 4	17 33	0 39	21 36	1 18	19 37	15 54	16 13	16 16	8 22	14 34	6 2	S 3
S 4	14 28	6 45	4 9	12 59	1 19	11 44	1 27	20 49	1 2	20 5	0 59	22 6	0 4	17 32	0 39	21 36	1 17	19 36	15 54	16 13	16 17	8 25	14 33	6 2	S 4
M 5	14 9	11 56	4 44	12 12	1 11	11 16	1 27	20 38	1 2	20 7	0 59	22 5	0 4	17 31	0 39	21 36	1 17	19 36	15 54	16 13	16 18	8 28	14 32	6 2	M 5
T 6	13 49	16 42	5 7	11 23	1 3	10 48	1 26	20 28	1 3	20 9	0 59	22 4	0 4	17 30	0 40	21 36	1 17	19 35	15 54	16 13	16 19	8 31	14 31	6 2	T 6
W 7	13 29	20 51	5 17	10 34	0 54	10 20	1 25	20 17	1 3	20 11	1 0	22 3	0 4	17 29	0 40	21 36	1 17	19 34	15 54	16 14	16 20	8 34	14 30	6 2	W 7
T 8	13 9	24 11	5 13	9 44	0 44	9 51	1 25	20 6	1 3	20 13	1 0	22 2	0 4	17 28	0 40	21 36	1 17	19 34	15 54	16 14	16 21	8 37	14 28	6 3	T 8
F 9	12 48	26 30	4 54	8 53	0 34	9 22	1 24	19 54	1 4	20 14	1 0	22 2	0 4	17 27	0 40	21 36	1 17	19 33	15 54	16 14	16 21	8 40	14 27	6 3	F 9
S 10	12 28	27 32	4 22	8 2	0 23	8 53	1 23	19 43	1 4	20 16	1 0	22 1	0 5	17 26	0 40	21 36	1 17	19 32	15 53	16 13	16 22	8 43	14 26	6 3	S 10
S 11	12 7	27 6	3 35	7 10	0 12	8 24	1 23	19 31	1 4	20 18	1 0	22 0	0 5	17 25	0 40	21 36	1 17	19 32	15 53	16 13	16 23	8 46	14 25	6 3	S 11
M12	11 46	25 7	2 35	6 19	0n 0	7 54	1 22	19 19	1 5	20 19	1 0	21 59	0 5	17 24	0 40	21 36	1 17	19 31	15 53	16 13	16 24	8 50	14 24	6 3	M12
T 13	11 25	21 35	1 25	5 28	0 13	7 24	1 21	19 7	1 5	20 21	1 0	21 58	0 5	17 23	0 40	21 36	1 17	19 30	15 53	16 13	16 25	8 53	14 23	6 3	T 13
W14	11 3	16 41	0 7	4 37	0 26	6 54	1 20	18 55	1 5	20 22	1 0	21 57	0 5	17 22	0 40	21 36	1 17	19 30	15 53	16 12	16 26	8 56	14 22	6 4	W14
T 15	10 42	10 43	1n13	3 48	0 39	6 24	1 19	18 42	1 5	20 24	1 0	21 56	0 5	17 21	0 40	21 36	1 17	19 29	15 53	16 12	16 27	8 59	14 21	6 4	T 15
F 16	10 20	4 4	2 29	3 0	0 52	5 54	1 18	18 29	1 6	20 25	1 0	21 56	0 5	17 20	0 40	21 36	1 17	19 28	15 53	16 13	16 28	9 2	14 20	6 4	F 16
S 17	9 58	2n50	3 36	2 13	1 6	5 24	1 16	18 16	1 6	20 27	1 0	21 55	0 5	17 19	0 40	21 36	1 17	19 28	15 53	16 13	16 29	9 5	14 19	6 4	S 17
S 18	9 36	9 35	4 28	1 29	1 20	4 53	1 15	18 3	1 6	20 28	1 0	21 54	0 5	17 18	0 40	21 36	1 17	19 27	15 53	16 14	16 30	9 8	14 17	6 5	S 18
M19	9 14	15 42	5 1	0 47	1 34	4 22	1 14	17 50	1 6	20 29	1 0	21 53	0 5	17 17	0 40	21 37	1 17	19 26	15 53	16 15	16 31	9 11	14 16	6 5	M19
T 20	8 52	20 50	5 15	0 8	1 48	3 51	1 13	17 36	1 7	20 31	1 0	21 52	0 5	17 16	0 40	21 37	1 17	19 26	15 53	16 16	16 32	9 14	14 15	6 5	T 20
W21	8 29	24 39	5 8	0n29	2 1	3 20	1 11	17 23	1 7	20 32	1 0	21 51	0 5	17 15	0 40	21 37	1 17	19 25	15 53	16 16	16 33	9 17	14 14	6 5	W21
T 22	8 7	26 55	4 44	1 2	2 14	2 49	1 10	17 9	1 7	20 33	1 0	21 51	0 6	17 14	0 40	21 37	1 17	19 25	15 53	16 16	16 34	9 20	14 13	6 6	T 22
F 23	7 44	27 31	4 5	1 32	2 27	2 18	1 8	16 55	1 7	20 34	1 0	21 50	0 6	17 13	0 40	21 37	1 16	19 24	15 52	16 16	16 35	9 23	14 12	6 6	F 23
S 24	7 21	26 33	3 13	1 57	2 39	1 47	1 6	16 40	1 8	20 35	1 0	21 49	0 6	17 13	0 40	21 37	1 16	19 23	15 52	16 16	16 35	9 26	14 11	6 6	S 24
S 25	6 58	24 9	2 13	2 19	2 50	1 16	1 5	16 26	1 8	20 36	1 0	21 48	0 6	17 12	0 40	21 37	1 16	19 23	15 52	16 15	16 36	9 29	14 10	6 6	S 25
M26	6 36	20 37	1 7	2 37	3 0	0 45	1 3	16 11	1 8	20 37	1 0	21 47	0 6	17 11	0 40	21 37	1 16	19 22	15 52	16 15	16 37	9 32	14 9	6 7	M26
T 27	6 13	16 13	0s 0	2 50	3 9	0 13	1 1	15 57	1 8	20 38	1 0	21 46	0 6	17 10	0 40	21 37	1 16	19 21	15 52	16 15	16 38	9 36	14 7	6 7	T 27
W28	5s49	11n13	1s 7	2n59	3n17	0n18	1s 0	15s42	1s 8	20n39	0n59	21s46	0s 6	17s 9	0s40	21n37	1s16	19s21	15s52	16s15	16s39	9s39	14s 6	6n 7	W28

Julian Day Number = 2114828.5, Delta T = 18m56s
Ecliptic obliquity = 23°33'38, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°53'19, Lahiri = 11°00'20 Julian Calendar 1 Feb. 1078 == Greg. Calendar 7 Feb. 1078

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1078
geocentric

MARCH 1078 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 57 29	16♓17'18	10♍ 0	29°R53	4♈16	21♒38	2°R29	22♑38	14♒44	16♊37	17♓56	15°R33	14♒ 9	14♎ 6	0♒51	T 1
F 2	11 1 26	17°16'48	22° 0	29♓41	5°30	22°25	2♌25	22°44	14°47	16°37	17°57	15♒29	14° 6	14°13	0°54	F 2
S 3	11 5 22	18°16'16	3♎56	29°22	6°44	23°12	2°21	22°49	14°50	16°37	17°59	15°24	14° 2	14°20	0°58	S 3
S 4	11 9 19	19°15'42	15°48	28°56	7°58	23°59	2°17	22°54	14°53	16°38	18° 0	15°17	13°59	14°27	1° 2	S 4
M 5	11 13 15	20°15'06	27°40	28°24	9°12	24°46	2°14	22°59	14°56	16°38	18° 2	15°11	13°56	14°33	1° 5	M 5
T 6	11 17 12	21°14'28	9♏32	27°46	10°26	25°33	2°11	23° 3	14°59	16°39	18° 3	15° 5	13°53	14°40	1° 9	T 6
W 7	11 21 9	22°13'49	21°29	27° 4	11°40	26°20	2° 8	23° 8	15° 2	16°39	18° 5	15° 0	13°50	14°47	1°13	W 7
T 8	11 25 5	23°13'07	3♐34	26°18	12°54	27° 7	2° 5	23°13	15° 5	16°40	18° 6	14°56	13°47	14°53	1°16	T 8
F 9	11 29 2	24°12'24	15°50	25°29	14° 8	27°53	2° 2	23°18	15° 7	16°40	18° 8	14°54	13°43	15° 0	1°20	F 9
S 10	11 32 58	25°11'39	28°23	24°39	15°22	28°40	2° 0	23°22	15°10	16°41	18° 9	14°D54	13°40	15° 7	1°23	S 10
S 11	11 36 55	26°10'52	11♑15	23°48	16°36	29°27	1°57	23°27	15°13	16°41	18°11	14°54	13°37	15°13	1°26	S 11
M12	11 40 51	27°10'04	24°32	22°58	17°50	0♓14	1°55	23°31	15°16	16°42	18°12	14°56	13°34	15°20	1°30	M12
T 13	11 44 48	28° 9'13	8♒16	22° 9	19° 3	1° 1	1°53	23°35	15°19	16°43	18°14	14°R57	13°31	15°27	1°33	T 13
W14	11 48 44	29° 8'21	22°27	21°22	20°17	1°48	1°52	23°40	15°21	16°43	18°15	14°57	13°27	15°34	1°36	W14
T 15	11 52 41	0♈ 7'27	7♓ 5	20°39	21°31	2°35	1°50	23°44	15°24	16°44	18°17	14°55	13°24	15°40	1°39	T 15
F 16	11 56 38	1° 6'31	22° 5	19°59	22°45	3°22	1°49	23°48	15°27	16°45	18°18	14°51	13°21	15°47	1°42	F 16
S 17	12 0 34	2° 5'32	7♈17	19°23	23°58	4° 8	1°47	23°52	15°29	16°46	18°20	14°45	13°18	15°54	1°45	S 17
S 18	12 4 31	3° 4'32	22°33	18°52	25°12	4°55	1°46	23°56	15°32	16°47	18°21	14°38	13°15	16° 0	1°48	S 18
M19	12 8 27	4° 3'29	7♉40	18°26	26°25	5°42	1°46	24° 0	15°35	16°48	18°23	14°30	13°12	16° 7	1°51	M19
T 20	12 12 24	5° 2'25	22°31	18° 5	27°39	6°29	1°45	24° 4	15°37	16°49	18°24	14°24	13° 8	16°14	1°54	T 20
W21	12 16 20	6° 1'18	6♊57	17°50	28°53	7°15	1°45	24° 7	15°40	16°50	18°26	14°18	13° 5	16°21	1°57	W21
T 22	12 20 17	7° 0'09	20°56	17°40	0♋ 6	8° 2	1°44	24°11	15°42	16°50	18°27	14°15	13° 2	16°27	2° 0	T 22
F 23	12 24 13	7°58'57	4♌28	17°D35	1°19	8°49	1°D44	24°14	15°45	16°52	18°28	14°D14	12°59	16°34	2° 3	F 23
S 24	12 28 10	8°57'43	17°34	17°36	2°33	9°35	1°45	24°18	15°47	16°53	18°30	14°14	12°56	16°41	2° 5	S 24
S 25	12 32 6	9°56'27	0♌19	17°42	3°46	10°22	1°45	24°21	15°49	16°54	18°31	14°15	12°52	16°47	2° 8	S 25
M26	12 36 3	10°55'08	12°45	17°53	4°59	11° 9	1°45	24°25	15°52	16°55	18°33	14°R16	12°49	16°54	2°10	M26
T 27	12 40 0	11°53'48	24°58	18° 9	6°13	11°55	1°46	24°28	15°54	16°56	18°34	14°15	12°46	17° 1	2°13	T 27
W28	12 43 56	12°52'25	7♍ 2	18°29	7°26	12°42	1°47	24°31	15°56	16°57	18°36	14°12	12°43	17° 8	2°15	W28
T 29	12 47 53	13°50'59	18°59	18°55	8°39	13°28	1°48	24°34	15°59	16°58	18°37	14° 7	12°40	17°14	2°18	T 29
F 30	12 51 49	14°49'32	0♎52	19°24	9°52	14°15	1°49	24°37	16° 1	16°59	18°38	14° 0	12°37	17°21	2°20	F 30
S 31	12 55 46	15♈48'03	12♎44	19♓58	11♋ 5	15♓ 1	1♌51	24♑40	16♒ 3	17♊ 1	18♓40	13♒50	12♒33	17♎28	2♒22	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	5s26	5n51	2s10	3n 4	3n24	0n49	0s58	15s27	1s 9	20n40	0n59	21s45	0s 6	17s 8	0s40	21n37	1s16	19s20	15s52	16s15	16s40	9s42	14s 5	6n 8	
F 2	5 3	0 21	3 6	3 4	3 29	1 21	0 56	15 12	1 9	20 41	0 59	21 44	0 6	17 7	0 40	21 37	1 16	19 20	15 52	16 17	16 41	9 45	14 4	6 8	
S 3	4 40	5s 8	3 54	2 59	3 32	1 52	0 54	14 56	1 9	20 42	0 59	21 43	0 6	17 6	0 40	21 37	1 16	19 19	15 52	16 18	16 42	9 48	14 3	6 8	
S 4	4 16	10 24	4 31	2 50	3 34	2 23	0 52	14 41	1 9	20 43	0 59	21 43	0 6	17 5	0 40	21 37	1 16	19 18	15 52	16 20	16 43	9 51	14 2	6 8	
M 5	3 53	15 18	4 56	2 37	3 34	2 54	0 50	14 25	1 9	20 43	0 59	21 42	0 6	17 5	0 40	21 38	1 16	19 18	15 52	16 22	16 44	9 54	14 1	6 9	
T 6	3 29	19 37	5 9	2 21	3 32	3 25	0 48	14 9	1 9	20 44	0 59	21 41	0 7	17 4	0 40	21 38	1 16	19 17	15 52	16 24	16 45	9 57	14 0	6 9	
W 7	3 6	23 11	5 9	2 1	3 28	3 56	0 45	13 54	1 10	20 45	0 59	21 40	0 7	17 3	0 40	21 38	1 16	19 17	15 52	16 25	16 46	10 0	13 59	6 9	
T 8	2 42	25 47	4 54	1 37	3 23	4 27	0 43	13 38	1 10	20 45	0 59	21 40	0 7	17 2	0 40	21 38	1 16	19 16	15 53	16 26	16 47	10 3	13 58	6 10	
F 9	2 19	27 13	4 27	1 11	3 16	4 58	0 41	13 21	1 10	20 46	0 59	21 39	0 7	17 1	0 40	21 38	1 16	19 16	15 53	16 27	16 47	10 6	13 57	6 10	
S 10	1 55	27 19	3 46	0 43	3 7	5 29	0 39	13 5	1 10	20 46	0 59	21 38	0 7	17 0	0 40	21 38	1 16	19 15	15 53	16 27	16 48	10 9	13 56	6 10	
S 11	1 32	25 57	2 52	0 14	2 56	6 0	0 36	12 49	1 10	20 47	0 59	21 38	0 7	16 59	0 40	21 38	1 16	19 14	15 53	16 27	16 49	10 12	13 55	6 11	
M12	1 8	23 6	1 48	0s17	2 45	6 30	0 34	12 32	1 10	20 47	0 59	21 37	0 7	16 59	0 40	21 38	1 16	19 14	15 53	16 26	16 50	10 15	13 54	6 11	
T 13	0 44	18 52	0 36	0 48	2 32	7 1	0 32	12 16	1 10	20 48	0 59	21 36	0 7	16 58	0 40	21 38	1 16	19 13	15 53	16 26	16 51	10 18	13 52	6 11	
W14	0 21	13 28	0n41	1 19	2 18	7 31	0 29	11 59	1 10	20 48	0 59	21 36	0 7	16 57	0 40	21 39	1 16	19 13	15 53	16 26	16 52	10 21	13 51	6 12	
T 15	0n 3	7 9	1 57	1 50	2 3	8 1	0 27	11 42	1 10	20 48	0 59	21 35	0 7	16 56	0 40	21 39	1 15	19 12	15 53	16 27	16 53	10 24	13 50	6 12	
F 16	0 27	0 18	3 7	2 20	1 48	8 31	0 24	11 25	1 10	20 49	0 59	21 34	0 7	16 56	0 40	21 39	1 15	19 12	15 53	16 28	16 54	10 27	13 49	6 13	
S 17	0 50	6n39	4 4	2 48	1 32	9 1	0 22	11 8	1 10	20 49	0 59	21 34	0 7	16 55	0 40	21 39	1 15	19 11	15 53	16 29	16 55	10 30	13 48	6 13	
S 18	1 14	13 13	4 45	3 15	1 17	9 30	0 19	10 51	1 10	20 49	0 58	21 33	0 8	16 54	0 40	21 39	1 15	19 11	15 53	16 32	16 56	10 33	13 47	6 13	
M19	1 37	18 56	5 5	3 40	1 0	9 59	0 17	10 34	1 11	20 49	0 58	21 33	0 8	16 53	0 40	21 39	1 15	19 10	15 53	16 34	16 57	10 36	13 46	6 14	
T 20	2 1	23 23	5 4	4 3	0 45	10 28	0 14	10 16	1 11	20 49	0 58	21 32	0 8	16 53	0 40	21 39	1 15	19 10	15 53	16 36	16 57	10 39	13 45	6 14	
W21	2 24	26 14	4 44	4 23	0 29	10 57	0 11	9 59	1 11	20 49	0 58	21 31	0 8	16 52	0 40	21 39	1 15	19 9	15 54	16 37	16 58	10 42	13 44	6 14	
T 22	2 48	27 21	4 7	4 42	0 13	11 26	0 9	9 41	1 11	20 49	0 58	21 31	0 8	16 51	0 40	21 40	1 15	19 9	15 54	16 38	16 59	10 45	13 43	6 15	
F 23	3 11	26 46	3 17	4 57	0s 2	11 54	0 6	9 24	1 11	20 49	0 58	21 30	0 8	16 50	0 40	21 40	1 15	19 8	15 54	16 39	17 0	10 48	13 42	6 15	
S 24	3 34	24 41	2 18	5 10	0 16	12 22	0 3	9 6	1 11	20 49	0 58	21 30	0 8	16 50	0 40	21 40	1 15	19 8	15 54	16 39	17 1	10 51	13 41	6 16	
S 25	3 57	21 24	1 14	5 21	0 30	12 50	0 1	8 48	1 11	20 49	0 58	21 29	0 8	16 49	0 40	21 40	1 15	19 7	15 54	16 38	17 2	10 54	13 41	6 16	
M26	4 21	17 12	0 8	5 29	0 44	13 17	0n 2	8 31	1 11	20 49	0 58	21 29	0 8	16 48	0 40	21 40	1 15	19 7	15 54	16 38	17 3	10 57	13 40	6 16	
T 27	4 44	12 22	0s57	5 35	0 57	13 44	0 5	8 13	1 11	20 48	0 58	21 28	0 8	16 48	0 41	21 40	1 15	19 7	15 54	16 38	17 4	11 0	13 39	6 17	
W28	5 7	7 8	1 59	5 38	1 9	14 11	0 8	7 55	1 11	20 48	0 58	21 28	0 8	16 47	0 41	21 41	1 15	19 6	15 54	16 39	17 5	11 2	13 38	6 17	
T 29	5 29	1 43	2 54	5 38	1 20	14 37	0 10	7 37	1 11	20 48	0 58	21 27	0 9	16 46	0 41	21 41	1 15	19 6	15 55	16 41	17 6	11 5	13 37	6 18	
F 30	5 52	3s44	3 42	5 37	1 31	15 3	0 13	7 19	1 11	20 47	0 58	21 27	0 9	16 46	0 41	21 41	1 15	19 5	15 55	16 43	17 7	11 8	13 36	6 18	
S 31	6n15	9s 2	4s20	5s33	1s41	15n29	0n16	7s 1	1s10	20n47	0n57	21s27	0s 9	16s45	0s41	21n41	1s15	19s 5	15s55	16s46	17s 7	11s11	13s35	6n18	

Julian Day Number = 2114856.5, Delta T = 18m56s
Ecliptic obliquity = 23°33'39, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°53'23, Lahiri = 11°00'24 Julian Calendar 1 March 1078 == Greg. Calendar 7 March 1078

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1078
geocentric

APRIL 1078 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 59 42	16♈46'32	24♎36	20♓35	12♉18	15♓48	1♌52	24♑43	16♒ 5	17♊ 2	18♓41	13°R38	12♒30	17♎34	2♒24	S 1
M 2	13 3 39	17°44'58	6♏30	21°17	13°31	16°34	1°54	24°45	16° 7	17° 3	18°42	13♒26	12°27	17°41	2°26	M 2
T 3	13 7 35	18°43'24	18°26	22° 2	14°44	17°20	1°56	24°48	16° 9	17° 5	18°44	13°14	12°24	17°48	2°28	T 3
W 4	13 11 32	19°41'47	0♐27	22°51	15°57	18° 7	1°58	24°50	16°11	17° 6	18°45	13° 4	12°21	17°54	2°30	W 4
T 5	13 15 29	20°40'09	12°36	23°43	17°10	18°53	2° 1	24°53	16°13	17° 7	18°46	12°55	12°18	18° 1	2°32	T 5
F 6	13 19 25	21°38'29	24°54	24°38	18°23	19°39	2° 3	24°55	16°15	17° 9	18°48	12°50	12°14	18° 8	2°34	F 6
S 7	13 23 22	22°36'47	7♑26	25°36	19°35	20°26	2° 6	24°57	16°17	17°10	18°49	12°47	12°11	18°15	2°36	S 7
S 8	13 27 18	23°35'04	20°15	26°37	20°48	21°12	2° 9	24°59	16°19	17°12	18°50	12°D46	12° 8	18°21	2°38	S 8
M 9	13 31 15	24°33'19	3♒26	27°41	22° 1	21°58	2°12	25° 1	16°20	17°13	18°52	12°46	12° 5	18°28	2°39	M 9
T 10	13 35 11	25°31'33	17° 1	28°47	23°13	22°44	2°15	25° 3	16°22	17°15	18°53	12°R46	12° 2	18°35	2°41	T 10
W11	13 39 8	26°29'45	1♓ 2	29°56	24°26	23°30	2°19	25° 5	16°24	17°16	18°54	12°45	11°58	18°41	2°42	W11
T 12	13 43 4	27°27'56	15°31	1♈ 8	25°39	24°16	2°22	25° 7	16°25	17°18	18°55	12°42	11°55	18°48	2°44	T 12
F 13	13 47 1	28°26'05	0♈24	2°22	26°51	25° 2	2°26	25° 9	16°27	17°19	18°57	12°36	11°52	18°55	2°45	F 13
S 14	13 50 58	29°24'13	15°34	3°39	28° 3	25°48	2°30	25°10	16°29	17°21	18°58	12°27	11°49	19° 2	2°46	S 14
S 15	13 54 54	0♉22'19	0♉52	4°57	29°16	26°34	2°34	25°12	16°30	17°23	18°59	12°17	11°46	19° 8	2°48	S 15
M16	13 58 51	1°20'23	16° 6	6°19	0♊28	27°20	2°38	25°13	16°32	17°24	19° 0	12° 6	11°43	19°15	2°49	M16
T 17	14 2 47	2°18'26	1♊ 6	7°42	1°40	28° 6	2°43	25°14	16°33	17°26	19° 1	11°56	11°39	19°22	2°50	T 17
W18	14 6 44	3°16'27	15°43	9° 7	2°53	28°52	2°47	25°15	16°34	17°28	19° 2	11°48	11°36	19°28	2°51	W18
T 19	14 10 40	4°14'26	29°52	10°35	4° 5	29°38	2°52	25°16	16°36	17°29	19° 4	11°42	11°33	19°35	2°52	T 19
F 20	14 14 37	5°12'23	13♋31	12° 5	5°17	0♈23	2°57	25°17	16°37	17°31	19° 5	11°39	11°30	19°42	2°53	F 20
S 21	14 18 33	6°10'18	26°42	13°36	6°29	1° 9	3° 2	25°18	16°38	17°33	19° 6	11°37	11°27	19°49	2°54	S 21
S 22	14 22 30	7° 8'11	9♌27	15°10	7°41	1°55	3° 7	25°19	16°39	17°35	19° 7	11°37	11°24	19°55	2°54	S 22
M23	14 26 27	8° 6'03	21°52	16°46	8°53	2°40	3°12	25°20	16°41	17°36	19° 8	11°37	11°20	20° 2	2°55	M23
T 24	14 30 23	9° 3'52	4♍ 2	18°24	10° 5	3°26	3°18	25°20	16°42	17°38	19° 9	11°36	11°17	20° 9	2°56	T 24
W25	14 34 20	10° 1'40	16° 1	20° 4	11°17	4°12	3°24	25°21	16°43	17°40	19°10	11°32	11°14	20°15	2°56	W25
T 26	14 38 16	10°59'27	27°54	21°46	12°29	4°57	3°29	25°21	16°44	17°42	19°11	11°26	11°11	20°22	2°57	T 26
F 27	14 42 13	11°57'11	9♎45	23°31	13°40	5°42	3°35	25°21	16°45	17°44	19°12	11°17	11° 8	20°29	2°57	F 27
S 28	14 46 9	12°54'54	21°36	25°17	14°52	6°28	3°42	25°22	16°46	17°46	19°13	11° 6	11° 4	20°36	2°58	S 28
S 29	14 50 6	13°52'36	3♏30	27° 5	16° 4	7°13	3°48	25°R22	16°46	17°48	19°14	10°53	11° 1	20°42	2°58	S 29
M30	14 54 2	14♉50'16	15♏28	28♈56	17♊15	7♈58	3♌54	25♑22	16♒47	17♊49	19♓15	10♒39	10♒58	20♎49	2♒58	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n37	14s 0	4s46	5s27	1s51	15n54	0n19	6s43	1s10	20n46	0n57	21s26	0s 9	16s45	0s41	21n41	1s15	19s 5	15s55	16s49	17s 8	11s14	13s34	6n19
M 2	7 0	18 28	5 0	5 18	1 59	16 19	0 22	6 24	1 10	20 46	0 57	21 26	0 9	16 44	0 41	21 41	1 15	19 4	15 55	16 52	17 9	11 17	13 33	6 19
T 3	7 22	22 13	5 1	5 8	2 8	16 44	0 24	6 6	1 10	20 45	0 57	21 25	0 9	16 43	0 41	21 42	1 15	19 4	15 55	16 56	17 10	11 20	13 32	6 20
W 4	7 45	25 3	4 49	4 55	2 15	17 8	0 27	5 48	1 10	20 45	0 57	21 25	0 9	16 43	0 41	21 42	1 15	19 3	15 56	16 59	17 11	11 23	13 32	6 20
T 5	8 7	26 46	4 23	4 41	2 22	17 31	0 30	5 30	1 10	20 44	0 57	21 25	0 9	16 42	0 41	21 42	1 14	19 3	15 56	17 1	17 12	11 26	13 31	6 21
F 6	8 29	27 13	3 45	4 24	2 28	17 55	0 33	5 11	1 10	20 44	0 57	21 24	0 9	16 42	0 41	21 42	1 14	19 3	15 56	17 3	17 13	11 29	13 30	6 21
S 7	8 50	26 17	2 56	4 6	2 33	18 17	0 35	4 53	1 10	20 43	0 57	21 24	0 9	16 41	0 41	21 42	1 14	19 2	15 56	17 4	17 14	11 32	13 29	6 21
S 8	9 12	23 57	1 56	3 46	2 38	18 40	0 38	4 35	1 10	20 42	0 57	21 24	0 10	16 41	0 41	21 42	1 14	19 2	15 56	17 4	17 15	11 35	13 28	6 22
M 9	9 34	20 17	0 49	3 24	2 42	19 1	0 41	4 16	1 10	20 41	0 57	21 24	0 10	16 40	0 41	21 43	1 14	19 2	15 57	17 4	17 15	11 38	13 27	6 22
T 10	9 55	15 28	0n23	3 0	2 45	19 23	0 44	3 58	1 10	20 41	0 57	21 23	0 10	16 40	0 41	21 43	1 14	19 2	15 57	17 4	17 16	11 41	13 27	6 23
W11	10 16	9 41	1 35	2 35	2 48	19 44	0 47	3 39	1 9	20 40	0 57	21 23	0 10	16 39	0 41	21 43	1 14	19 1	15 57	17 4	17 17	11 44	13 26	6 23
T 12	10 37	3 13	2 44	2 8	2 50	20 4	0 49	3 21	1 9	20 39	0 56	21 23	0 10	16 39	0 41	21 43	1 14	19 1	15 57	17 5	17 18	11 46	13 25	6 24
F 13	10 58	3n35	3 44	1 40	2 51	20 24	0 52	3 2	1 9	20 38	0 56	21 23	0 10	16 38	0 41	21 43	1 14	19 1	15 58	17 7	17 19	11 49	13 24	6 24
S 14	11 19	10 17	4 29	1 10	2 52	20 43	0 55	2 44	1 9	20 37	0 56	21 22	0 10	16 38	0 41	21 44	1 14	19 0	15 58	17 9	17 20	11 52	13 24	6 25
S 15	11 40	16 26	4 55	0 39	2 52	21 2	0 57	2 25	1 9	20 36	0 56	21 22	0 10	16 37	0 41	21 44	1 14	19 0	15 58	17 12	17 21	11 55	13 23	6 25
M16	12 0	21 31	5 0	0 7	2 52	21 20	1 0	2 7	1 9	20 35	0 56	21 22	0 10	16 37	0 41	21 44	1 14	19 0	15 58	17 15	17 22	11 58	13 22	6 26
T 17	12 20	25 7	4 44	0n27	2 51	21 37	1 3	1 48	1 8	20 34	0 56	21 22	0 10	16 37	0 41	21 44	1 14	19 0	15 59	17 18	17 23	12 1	13 22	6 26
W18	12 40	26 56	4 10	1 2	2 49	21 54	1 5	1 30	1 8	20 33	0 56	21 22	0 10	16 36	0 41	21 44	1 14	18 59	15 59	17 20	17 23	12 4	13 21	6 26
T 19	13 0	26 55	3 22	1 39	2 47	22 11	1 8	1 11	1 8	20 31	0 56	21 22	0 11	16 36	0 41	21 45	1 14	18 59	15 59	17 22	17 24	12 7	13 20	6 27
F 20	13 19	25 14	2 23	2 16	2 45	22 27	1 10	0 53	1 8	20 30	0 56	21 22	0 11	16 36	0 41	21 45	1 14	18 59	15 59	17 23	17 25	12 10	13 20	6 27
S 21	13 39	22 12	1 18	2 55	2 41	22 42	1 13	0 34	1 8	20 29	0 56	21 22	0 11	16 35	0 41	21 45	1 14	18 59	16 0	17 23	17 26	12 12	13 19	6 28
S 22	13 58	18 10	0 11	3 35	2 37	22 56	1 15	0 16	1 7	20 28	0 56	21 22	0 11	16 35	0 41	21 45	1 14	18 59	16 0	17 23	17 27	12 15	13 18	6 28
M23	14 17	13 26	0s54	4 16	2 33	23 10	1 18	0n 3	1 7	20 26	0 56	21 22	0 11	16 35	0 41	21 45	1 14	18 58	16 0	17 23	17 28	12 18	13 18	6 29
T 24	14 35	8 17	1 55	4 58	2 28	23 24	1 20	0 21	1 7	20 25	0 55	21 22	0 11	16 34	0 41	21 46	1 14	18 58	16 0	17 24	17 29	12 21	13 17	6 29
W25	14 54	2 55	2 51	5 41	2 23	23 36	1 22	0 39	1 7	20 24	0 55	21 22	0 11	16 34	0 42	21 46	1 14	18 58	16 1	17 25	17 30	12 24	13 17	6 30
T 26	15 12	2s30	3 38	6 25	2 17	23 48	1 25	0 58	1 6	20 22	0 55	21 22	0 11	16 34	0 42	21 46	1 14	18 58	16 1	17 26	17 30	12 27	13 16	6 30
F 27	15 30	7 48	4 16	7 10	2 10	24 0	1 27	1 16	1 6	20 21	0 55	21 22	0 11	16 33	0 42	21 46	1 14	18 58	16 1	17 29	17 31	12 30	13 15	6 31
S 28	15 48	12 49	4 43	7 55	2 3	24 10	1 29	1 34	1 6	20 19	0 55	21 22	0 12	16 33	0 42	21 46	1 14	18 58	16 2	17 32	17 32	12 32	13 15	6 31
S 29	16 5	17 23	4 57	8 41	1 56	24 20	1 31	1 53	1 6	20 18	0 55	21 22	0 12	16 33	0 42	21 47	1 14	18 58	16 2	17 35	17 33	12 35	13 14	6 31
M30	16n22	21s18	4s58	9n28	1s48	24n30	1n33	2n11	1s 5	20n16	0n55	21s22	0s12	16s33	0s42	21n47	1s14	18s57	16s 2	17s39	17s34	12s38	13s14	6n32

Julian Day Number = 2114887.5, Delta T = 18m56s
Ecliptic obliquity = 23°33'38, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°53'28, Lahiri = 11°00'28 Julian Calendar 1 Apr. 1078 == Greg. Calendar 7 Apr. 1078

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1078
geocentric

MAY 1078 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 57 59	15♉47'55	27♏31	0♉48	18♊27	8♈44	4♌ 1	25°R22	16♒48	17♊51	19♓16	10°R25	10♒55	20♎56	2♒58	T 1
W 2	15 1 56	16°45'32	9♐42	2°43	19°38	9°29	4° 7	25♑21	16°49	17°53	19°17	10♒13	10°52	21° 2	2°58	W 2
T 3	15 5 52	17°43'09	22° 0	4°39	20°49	10°14	4°14	25°21	16°49	17°55	19°18	10° 4	10°49	21° 9	2°R58	T 3
F 4	15 9 49	18°40'44	4♑27	6°38	22° 1	10°59	4°21	25°21	16°50	17°57	19°19	9°57	10°45	21°16	2°58	F 4
S 5	15 13 45	19°38'19	17° 7	8°38	23°12	11°44	4°28	25°20	16°51	17°59	19°20	9°53	10°42	21°23	2°58	S 5
S 6	15 17 42	20°35'52	0♒ 0	10°40	24°23	12°29	4°35	25°20	16°51	18° 1	19°20	9°51	10°39	21°29	2°58	S 6
M 7	15 21 38	21°33'24	13°11	12°44	25°34	13°14	4°43	25°19	16°52	18° 3	19°21	9°D51	10°36	21°36	2°58	M 7
T 8	15 25 35	22°30'56	26°41	14°50	26°45	13°59	4°50	25°18	16°52	18° 5	19°22	9°R51	10°33	21°43	2°57	T 8
W 9	15 29 31	23°28'26	10♓34	16°57	27°56	14°44	4°58	25°17	16°52	18° 8	19°23	9°50	10°30	21°49	2°57	W 9
T 10	15 33 28	24°25'56	24°50	19° 6	29° 7	15°29	5° 5	25°16	16°53	18°10	19°24	9°47	10°26	21°56	2°56	T 10
F 11	15 37 25	25°23'25	9♈28	21°15	0♋18	16°13	5°13	25°15	16°53	18°12	19°24	9°42	10°23	22° 3	2°56	F 11
S 12	15 41 21	26°20'53	24°22	23°26	1°29	16°58	5°21	25°14	16°53	18°14	19°25	9°34	10°20	22°10	2°55	S 12
S 13	15 45 18	27°18'20	9♉26	25°37	2°39	17°43	5°29	25°13	16°53	18°16	19°26	9°25	10°17	22°16	2°55	S 13
M14	15 49 14	28°15'47	24°30	27°49	3°50	18°27	5°37	25°12	16°54	18°18	19°26	9°15	10°14	22°23	2°54	M14
T 15	15 53 11	29°13'13	9♊24	0♊ 1	5° 1	19°12	5°46	25°10	16°54	18°20	19°27	9° 5	10°10	22°30	2°53	T 15
W16	15 57 7	0♊10'37	24° 0	2°13	6°11	19°56	5°54	25° 9	16°R54	18°22	19°28	8°57	10° 7	22°36	2°52	W16
T 17	16 1 4	1° 8'01	8♋10	4°24	7°22	20°41	6° 3	25° 7	16°54	18°24	19°28	8°51	10° 4	22°43	2°51	T 17
F 18	16 5 0	2° 5'24	21°53	6°35	8°32	21°25	6°11	25° 5	16°54	18°27	19°29	8°48	10° 1	22°50	2°50	F 18
S 19	16 8 57	3° 2'45	5♌ 8	8°45	9°42	22° 9	6°20	25° 3	16°53	18°29	19°30	8°D47	9°58	22°57	2°49	S 19
S 20	16 12 54	4° 0'06	17°57	10°54	10°52	22°54	6°29	25° 2	16°53	18°31	19°30	8°47	9°55	23° 3	2°48	S 20
M21	16 16 50	4°57'25	0♍25	13° 2	12° 2	23°38	6°38	25° 0	16°53	18°33	19°31	8°R47	9°51	23°10	2°47	M21
T 22	16 20 47	5°54'43	12°36	15° 8	13°12	24°22	6°47	24°57	16°53	18°35	19°31	8°47	9°48	23°17	2°45	T 22
W23	16 24 43	6°52'00	24°36	17°12	14°22	25° 6	6°56	24°55	16°53	18°37	19°32	8°45	9°45	23°23	2°44	W23
T 24	16 28 40	7°49'17	6♎29	19°15	15°32	25°50	7° 6	24°53	16°52	18°40	19°32	8°42	9°42	23°30	2°43	T 24
F 25	16 32 36	8°46'32	18°20	21°16	16°42	26°34	7°15	24°51	16°52	18°42	19°33	8°35	9°39	23°37	2°41	F 25
S 26	16 36 33	9°43'47	0♏13	23°14	17°52	27°18	7°24	24°48	16°51	18°44	19°33	8°27	9°35	23°44	2°40	S 26
S 27	16 40 29	10°41'01	12°11	25°10	19° 1	28° 1	7°34	24°46	16°51	18°46	19°33	8°18	9°32	23°50	2°38	S 27
M28	16 44 26	11°38'14	24°15	27° 5	20°11	28°45	7°44	24°43	16°50	18°49	19°34	8° 7	9°29	23°57	2°37	M28
T 29	16 48 23	12°35'27	6♐28	28°56	21°20	29°29	7°53	24°41	16°50	18°51	19°34	7°57	9°26	24° 4	2°35	T 29
W30	16 52 19	13°32'39	18°51	0♋46	22°29	0♉12	8° 3	24°38	16°49	18°53	19°35	7°48	9°23	24°11	2°33	W30
T 31	16 56 16	14♊29'51	1♑24	2♋33	23♋38	0♉56	8♌13	24♑35	16♒48	18♊55	19♓35	7♒41	9♒20	24♎17	2♒31	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n39	24s21	4s46	10n15	1s40	24n38	1n36	2n29	1s 5	20n14	0n55	21s22	0s12	16s33	0s42	21n47	1s13	18s57	16s 2	17s43	17s35	12s41	13s13	6n32
W 2	16 56	26 19	4 21	11 3	1 31	24 46	1 38	2 47	1 5	20 13	0 55	21 22	0 12	16 32	0 42	21 47	1 13	18 57	16 3	17 46	17 36	12 44	13 13	6 33
T 3	17 12	27 3	3 44	11 51	1 22	24 54	1 39	3 5	1 4	20 11	0 55	21 22	0 12	16 32	0 42	21 47	1 13	18 57	16 3	17 49	17 37	12 47	13 13	6 33
F 4	17 28	26 24	2 55	12 40	1 12	25 0	1 41	3 23	1 4	20 9	0 55	21 22	0 12	16 32	0 42	21 48	1 13	18 57	16 3	17 51	17 37	12 50	13 12	6 34
S 5	17 44	24 24	1 57	13 28	1 2	25 6	1 43	3 41	1 4	20 7	0 55	21 23	0 12	16 32	0 42	21 48	1 13	18 57	16 4	17 52	17 38	12 52	13 12	6 34
S 6	17 59	21 6	0 52	14 16	0 52	25 11	1 45	3 59	1 3	20 6	0 55	21 23	0 12	16 32	0 42	21 48	1 13	18 57	16 4	17 52	17 39	12 55	13 11	6 35
M 7	18 15	16 40	0n18	15 4	0 42	25 16	1 47	4 17	1 3	20 4	0 54	21 23	0 12	16 32	0 42	21 48	1 13	18 57	16 4	17 52	17 40	12 58	13 11	6 35
T 8	18 30	11 18	1 28	15 52	0 31	25 20	1 48	4 35	1 3	20 2	0 54	21 23	0 13	16 32	0 42	21 48	1 13	18 57	16 5	17 52	17 41	13 1	13 11	6 36
W 9	18 44	5 15	2 35	16 39	0 21	25 23	1 50	4 53	1 2	20 0	0 54	21 24	0 13	16 32	0 42	21 49	1 13	18 57	16 5	17 52	17 42	13 4	13 10	6 36
T 10	18 58	1n13	3 34	17 25	0 10	25 25	1 51	5 10	1 2	19 58	0 54	21 24	0 13	16 31	0 42	21 49	1 13	18 57	16 5	17 53	17 43	13 6	13 10	6 36
F 11	19 12	7 46	4 21	18 10	0n 1	25 26	1 53	5 28	1 2	19 56	0 54	21 24	0 13	16 31	0 42	21 49	1 13	18 57	16 6	17 55	17 44	13 9	13 10	6 37
S 12	19 26	14 0	4 51	18 54	0 11	25 27	1 54	5 45	1 1	19 54	0 54	21 25	0 13	16 31	0 42	21 49	1 13	18 57	16 6	17 57	17 44	13 12	13 9	6 37
S 13	19 39	19 28	5 2	19 37	0 22	25 28	1 56	6 3	1 1	19 52	0 54	21 25	0 13	16 31	0 42	21 49	1 13	18 57	16 6	17 59	17 45	13 15	13 9	6 38
M14	19 52	23 41	4 51	20 17	0 32	25 27	1 57	6 20	1 1	19 50	0 54	21 25	0 13	16 31	0 42	21 50	1 13	18 57	16 7	18 2	17 46	13 18	13 9	6 38
T 15	20 5	26 16	4 21	20 56	0 42	25 26	1 58	6 38	1 0	19 48	0 54	21 26	0 13	16 31	0 42	21 50	1 13	18 57	16 7	18 5	17 47	13 20	13 9	6 39
W16	20 17	26 59	3 34	21 33	0 51	25 24	1 59	6 55	1 0	19 46	0 54	21 26	0 13	16 31	0 42	21 50	1 13	18 57	16 7	18 7	17 48	13 23	13 8	6 39
T 17	20 29	25 53	2 35	22 7	1 0	25 21	2 0	7 12	0 59	19 43	0 54	21 26	0 13	16 31	0 42	21 50	1 13	18 57	16 8	18 8	17 49	13 26	13 8	6 39
F 18	20 41	23 14	1 29	22 39	1 9	25 18	2 1	7 29	0 59	19 41	0 54	21 27	0 14	16 32	0 42	21 50	1 13	18 57	16 8	18 9	17 50	13 29	13 8	6 40
S 19	20 52	19 24	0 19	23 9	1 17	25 14	2 2	7 46	0 58	19 39	0 54	21 27	0 14	16 32	0 42	21 51	1 13	18 57	16 8	18 9	17 50	13 32	13 8	6 40
S 20	21 3	14 45	0s49	23 36	1 25	25 9	2 2	8 3	0 58	19 37	0 54	21 28	0 14	16 32	0 43	21 51	1 13	18 57	16 9	18 9	17 51	13 34	13 8	6 41
M21	21 14	9 37	1 53	24 0	1 32	25 3	2 3	8 20	0 58	19 34	0 54	21 28	0 14	16 32	0 43	21 51	1 13	18 58	16 9	18 9	17 52	13 37	13 7	6 41
T 22	21 24	4 15	2 50	24 21	1 38	24 57	2 4	8 36	0 57	19 32	0 54	21 29	0 14	16 32	0 43	21 51	1 13	18 58	16 10	18 9	17 53	13 40	13 7	6 42
W23	21 34	1s12	3 39	24 40	1 44	24 50	2 4	8 53	0 57	19 30	0 53	21 29	0 14	16 32	0 43	21 52	1 13	18 58	16 10	18 10	17 54	13 43	13 7	6 42
T 24	21 43	6 32	4 18	24 55	1 48	24 43	2 5	9 9	0 56	19 27	0 53	21 30	0 14	16 32	0 43	21 52	1 13	18 58	16 10	18 11	17 55	13 45	13 7	6 42
F 25	21 53	11 37	4 46	25 8	1 52	24 34	2 5	9 26	0 56	19 25	0 53	21 30	0 14	16 32	0 43	21 52	1 13	18 58	16 11	18 12	17 56	13 48	13 7	6 43
S 26	22 1	16 18	5 1	25 19	1 56	24 26	2 5	9 42	0 55	19 22	0 53	21 31	0 14	16 33	0 43	21 52	1 13	18 58	16 11	18 14	17 56	13 51	13 7	6 43
S 27	22 10	20 22	5 3	25 27	1 59	24 16	2 5	9 58	0 55	19 20	0 53	21 31	0 15	16 33	0 43	21 52	1 13	18 58	16 11	18 17	17 57	13 54	13 7	6 44
M28	22 18	23 39	4 52	25 32	2 0	24 6	2 5	10 14	0 54	19 17	0 53	21 32	0 15	16 33	0 43	21 53	1 13	18 59	16 12	18 20	17 58	13 56	13 7	6 44
T 29	22 25	25 54	4 28	25 35	2 2	23 55	2 5	10 30	0 54	19 15	0 53	21 32	0 15	16 33	0 43	21 53	1 13	18 59	16 12	18 22	17 59	13 59	13 7	6 44
W30	22 32	26 55	3 50	25 36	2 2	23 44	2 5	10 46	0 53	19 12	0 53	21 33	0 15	16 33	0 43	21 53	1 13	18 59	16 13	18 25	18 0	14 2	13 7	6 45
T 31	22n39	26s34	3s 1	25n34	2n 2	23n32	2n 5	11n 2	0s53	19n 9	0n53	21s34	0s15	16s34	0s43	21n53	1s13	18s59	16s13	18s26	18s 1	14s 5	13s 7	6n45

Julian Day Number = 2114917.5, Delta T = 18m55s
Ecliptic obliquity = 23°33'37, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°53'32, Lahiri = 11°00'32 Julian Calendar 1 May 1078 == Greg. Calendar 7 May 1078

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1078
geocentric

JUNE 1078 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 0 12	15♊27'02	14♉ 7	4♋19	24♋47	1♉39	8♌23	24°R32	16°R48	18♊57	19♓35	7°R36	9♒16	24♎24	2°R29	F 1
S 2	17 4 9	16°24'13	27° 2	6° 1	25°56	2°23	8°34	24♉29	16♒47	19° 0	19°35	7♒34	9°13	24°31	2♒27	S 2
S 3	17 8 5	17°21'24	10♒10	7°42	27° 5	3° 6	8°44	24°26	16°46	19° 2	19°36	7°D33	9°10	24°37	2°25	S 3
M 4	17 12 2	18°18'35	23°31	9°20	28°14	3°49	8°54	24°23	16°45	19° 4	19°36	7°34	9° 7	24°44	2°23	M 4
T 5	17 15 59	19°15'46	7♓ 7	10°55	29°22	4°33	9° 4	24°20	16°44	19° 6	19°36	7°35	9° 4	24°51	2°21	T 5
W 6	17 19 55	20°12'56	20°59	12°28	0♌31	5°16	9°15	24°17	16°43	19° 9	19°36	7°R36	9° 1	24°58	2°19	W 6
T 7	17 23 52	21°10'07	5♈ 6	13°59	1°39	5°59	9°25	24°13	16°42	19°11	19°37	7°35	8°57	25° 4	2°17	T 7
F 8	17 27 48	22° 7'18	19°29	15°28	2°48	6°42	9°36	24°10	16°41	19°13	19°37	7°32	8°54	25°11	2°15	F 8
S 9	17 31 45	23° 4'29	4♉ 3	16°54	3°56	7°25	9°47	24° 7	16°40	19°15	19°37	7°28	8°51	25°18	2°12	S 9
S 10	17 35 41	24° 1'40	18°44	18°17	5° 4	8° 8	9°58	24° 3	16°39	19°18	19°37	7°22	8°48	25°24	2°10	S 10
M11	17 39 38	24°58'51	3♊25	19°39	6°12	8°51	10° 8	24° 0	16°38	19°20	19°37	7°16	8°45	25°31	2° 8	M11
T 12	17 43 34	25°56'03	17°59	20°57	7°20	9°33	10°19	23°56	16°37	19°22	19°37	7° 9	8°41	25°38	2° 5	T 12
W13	17 47 31	26°53'14	2♋19	22°13	8°27	10°16	10°30	23°52	16°35	19°24	19°37	7° 4	8°38	25°45	2° 3	W13
T 14	17 51 28	27°50'26	16°19	23°26	9°35	10°59	10°42	23°49	16°34	19°26	19°R37	7° 1	8°35	25°51	2° 0	T 14
F 15	17 55 24	28°47'37	29°57	24°37	10°42	11°41	10°53	23°45	16°33	19°29	19°37	6°59	8°32	25°58	1°58	F 15
S 16	17 59 21	29°44'48	13♌10	25°45	11°50	12°24	11° 4	23°41	16°31	19°31	19°37	6°D59	8°29	26° 5	1°55	S 16
S 17	18 3 17	0♋41'59	26° 0	26°50	12°57	13° 6	11°15	23°37	16°30	19°33	19°37	7° 0	8°26	26°12	1°52	S 17
M18	18 7 14	1°39'10	8♍30	27°52	14° 4	13°48	11°27	23°33	16°29	19°35	19°37	7° 2	8°22	26°18	1°50	M18
T 19	18 11 10	2°36'21	20°44	28°51	15°11	14°31	11°38	23°29	16°27	19°38	19°37	7° 3	8°19	26°25	1°47	T 19
W20	18 15 7	3°33'31	2♎46	29°47	16°17	15°13	11°50	23°25	16°26	19°40	19°37	7°R 4	8°16	26°32	1°44	W20
T 21	18 19 3	4°30'42	14°41	0♌40	17°24	15°55	12° 1	23°21	16°24	19°42	19°37	7° 3	8°13	26°38	1°41	T 21
F 22	18 23 0	5°27'53	26°34	1°29	18°30	16°37	12°13	23°17	16°22	19°44	19°36	7° 1	8°10	26°45	1°39	F 22
S 23	18 26 57	6°25'03	8♏29	2°15	19°36	17°19	12°24	23°13	16°21	19°46	19°36	6°58	8° 7	26°52	1°36	S 23
S 24	18 30 53	7°22'14	20°30	2°57	20°42	18° 1	12°36	23° 9	16°19	19°48	19°36	6°54	8° 3	26°59	1°33	S 24
M25	18 34 50	8°19'25	2♐40	3°36	21°48	18°42	12°48	23° 4	16°17	19°51	19°36	6°49	8° 0	27° 5	1°30	M25
T 26	18 38 46	9°16'37	15° 2	4°10	22°54	19°24	13° 0	23° 0	16°16	19°53	19°35	6°45	7°57	27°12	1°27	T 26
W27	18 42 43	10°13'48	27°37	4°41	23°59	20° 6	13°12	22°56	16°14	19°55	19°35	6°41	7°54	27°19	1°24	W27
T 28	18 46 39	11°11'00	10♑27	5° 7	25° 5	20°47	13°24	22°52	16°12	19°57	19°35	6°38	7°51	27°25	1°21	T 28
F 29	18 50 36	12° 8'13	23°30	5°29	26°10	21°29	13°36	22°47	16°10	19°59	19°35	6°36	7°48	27°32	1°18	F 29
S 30	18 54 32	13♋ 5'26	6♒47	5♌46	27♌14	22♉10	13♌48	22♑43	16♒ 8	20♊ 1	19♓34	6°D35	7♒44	27♎39	1♒15	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	22n46	24s50	2s 2	25n30	2n 1	23n19	2n 4	11n17	0s52	19n 7	0n53	21s34	0s15	16s34	0s43	21n53	1s13	18s59	16s13	18s28	18s 1	14s 7	13s 7	6n45	
S 2	22 52	21 47	0 56	25 24	1 59	23 6	2 4	11 33	0 52	19 4	0 53	21 35	0 15	16 34	0 43	21 54	1 13	19 0	16 14	18 28	18 2	14 10	13 7	6 46	
S 3	22 57	17 34	0n14	25 17	1 57	22 52	2 3	11 48	0 51	19 1	0 53	21 35	0 15	16 34	0 43	21 54	1 13	19 0	16 14	18 28	18 3	14 13	13 7	6 46	
M 4	23 3	12 25	1 25	25 7	1 54	22 37	2 3	12 4	0 51	18 58	0 53	21 36	0 15	16 35	0 43	21 54	1 13	19 0	16 14	18 28	18 4	14 15	13 7	6 46	
T 5	23 7	6 35	2 32	24 56	1 50	22 22	2 2	12 19	0 50	18 56	0 53	21 37	0 15	16 35	0 43	21 54	1 13	19 0	16 15	18 28	18 5	14 18	13 8	6 47	
W 6	23 12	0 21	3 32	24 44	1 46	22 6	2 1	12 34	0 50	18 53	0 53	21 37	0 16	16 35	0 43	21 54	1 13	19 1	16 15	18 28	18 6	14 21	13 8	6 47	
T 7	23 16	6n 1	4 21	24 30	1 41	21 50	2 0	12 49	0 49	18 50	0 53	21 38	0 16	16 36	0 43	21 54	1 13	19 1	16 15	18 28	18 7	14 24	13 8	6 47	
F 8	23 19	12 11	4 53	24 14	1 35	21 34	1 59	13 3	0 49	18 47	0 53	21 39	0 16	16 36	0 43	21 55	1 13	19 1	16 16	18 29	18 7	14 26	13 8	6 48	
S 9	23 23	17 45	5 8	23 58	1 29	21 16	1 58	13 18	0 48	18 44	0 53	21 40	0 16	16 36	0 43	21 55	1 13	19 2	16 16	18 30	18 8	14 29	13 8	6 48	
S 10	23 25	22 19	5 2	23 40	1 23	20 59	1 56	13 32	0 47	18 41	0 53	21 40	0 16	16 37	0 43	21 55	1 13	19 2	16 17	18 31	18 9	14 32	13 8	6 48	
M11	23 28	25 29	4 37	23 21	1 15	20 40	1 55	13 47	0 47	18 38	0 53	21 41	0 16	16 37	0 43	21 55	1 13	19 2	16 17	18 33	18 10	14 34	13 9	6 49	
T 12	23 30	26 54	3 54	23 2	1 7	20 21	1 53	14 1	0 46	18 35	0 53	21 42	0 16	16 38	0 43	21 55	1 13	19 2	16 17	18 35	18 11	14 37	13 9	6 49	
W13	23 31	26 29	2 57	22 41	0 59	20 2	1 52	14 15	0 46	18 32	0 53	21 42	0 16	16 38	0 43	21 56	1 13	19 3	16 18	18 36	18 12	14 40	13 9	6 49	
T 14	23 33	24 22	1 50	22 20	0 50	19 42	1 50	14 29	0 45	18 29	0 53	21 43	0 16	16 38	0 43	21 56	1 13	19 3	16 18	18 37	18 12	14 42	13 9	6 50	
F 15	23 33	20 53	0 38	21 59	0 41	19 22	1 48	14 43	0 44	18 26	0 53	21 44	0 17	16 39	0 43	21 56	1 13	19 4	16 18	18 37	18 13	14 45	13 10	6 50	
S 16	23 34	16 25	0s34	21 36	0 31	19 2	1 46	14 56	0 44	18 23	0 53	21 45	0 17	16 39	0 43	21 56	1 13	19 4	16 19	18 37	18 14	14 48	13 10	6 50	
S 17	23 33	11 19	1 42	21 14	0 20	18 40	1 44	15 10	0 43	18 20	0 53	21 45	0 17	16 40	0 43	21 56	1 13	19 4	16 19	18 37	18 15	14 50	13 10	6 50	
M18	23 33	5 54	2 43	20 51	0 10	18 19	1 42	15 23	0 43	18 17	0 53	21 46	0 17	16 40	0 44	21 56	1 13	19 5	16 20	18 36	18 16	14 53	13 11	6 51	
T 19	23 32	0 23	3 36	20 28	0s 2	17 57	1 39	15 36	0 42	18 13	0 53	21 47	0 17	16 41	0 44	21 57	1 13	19 5	16 20	18 36	18 17	14 56	13 11	6 51	
W20	23 31	5s 3	4 18	20 5	0 13	17 35	1 37	15 49	0 41	18 10	0 53	21 48	0 17	16 41	0 44	21 57	1 13	19 5	16 20	18 36	18 17	14 58	13 11	6 51	
T 21	23 29	10 15	4 49	19 42	0 25	17 12	1 34	16 2	0 41	18 7	0 52	21 49	0 17	16 42	0 44	21 57	1 13	19 6	16 21	18 36	18 18	15 1	13 12	6 51	
F 22	23 27	15 3	5 7	19 19	0 38	16 49	1 32	16 15	0 40	18 4	0 52	21 49	0 17	16 42	0 44	21 57	1 13	19 6	16 21	18 37	18 19	15 4	13 12	6 52	
S 23	23 24	19 19	5 12	18 56	0 51	16 25	1 29	16 27	0 39	18 0	0 52	21 50	0 17	16 43	0 44	21 57	1 13	19 7	16 21	18 37	18 20	15 6	13 13	6 52	
S 24	23 21	22 50	5 3	18 34	1 4	16 1	1 26	16 40	0 39	17 57	0 52	21 51	0 17	16 43	0 44	21 57	1 13	19 7	16 22	18 38	18 21	15 9	13 13	6 52	
M25	23 18	25 23	4 41	18 12	1 17	15 37	1 23	16 52	0 38	17 54	0 52	21 52	0 18	16 44	0 44	21 58	1 13	19 7	16 22	18 40	18 22	15 11	13 13	6 52	
T 26	23 14	26 47	4 6	17 51	1 31	15 13	1 20	17 4	0 37	17 50	0 52	21 53	0 18	16 44	0 44	21 58	1 13	19 8	16 23	18 41	18 22	15 14	13 14	6 52	
W27	23 10	26 50	3 17	17 30	1 45	14 48	1 17	17 16	0 37	17 47	0 52	21 53	0 18	16 45	0 44	21 58	1 13	19 8	16 23	18 42	18 23	15 17	13 14	6 53	
T 28	23 5	25 27	2 19	17 10	1 59	14 23	1 13	17 28	0 36	17 43	0 52	21 54	0 18	16 45	0 44	21 58	1 13	19 9	16 23	18 43	18 24	15 19	13 15	6 53	
F 29	23 0	22 40	1 11	16 51	2 13	13 57	1 10	17 39	0 35	17 40	0 52	21 55	0 18	16 46	0 44	21 58	1 13	19 9	16 24	18 43	18 25	15 22	13 15	6 53	
S 30	22n55	18s39	0n 1	16n33	2s27	13n32	1n 6	17n51	0s35	17n36	0n52	21s56	0s18	16s47	0s44	21n58	1s13	19s10	16s24	18s43	18s26	15s25	13s16	6n53	

Julian Day Number = 2114948.5, Delta T = 18m55s
Ecliptic obliquity = 23°33'37, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°53'36, Lahiri = 11°00'36 Julian Calendar 1 June 1078 == Greg. Calendar 7 June 1078

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1078
geocentric

JULY 1078 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 58 29	14♋ 2'39	20♒17	5♌59	28♌19	22♉51	14♌ 0	22°R39	16°R 7	20♊ 3	19°R34	6♒36	7♒41	27♎46	1°R11	S 1
M 2	19 2 26	14°59'54	3♓59	6° 7	29°24	23°33	14°12	22♂34	16♒ 5	20° 5	19♓33	6°37	7°38	27°52	1♒ 8	M 2
T 3	19 6 22	15°57'09	17°51	6°R10	0♍28	24°14	14°24	22°30	16° 3	20° 7	19°33	6°38	7°35	27°59	1° 5	T 3
W 4	19 10 19	16°54'25	1♈52	6° 8	1°32	24°55	14°36	22°25	16° 1	20° 9	19°33	6°40	7°32	28° 6	1° 2	W 4
T 5	19 14 15	17°51'42	16° 1	6° 1	2°36	25°36	14°49	22°21	15°59	20°11	19°32	6°R40	7°28	28°13	0°59	T 5
F 6	19 18 12	18°49'00	0♉15	5°49	3°39	26°17	15° 1	22°16	15°57	20°13	19°32	6°40	7°25	28°19	0°55	F 6
S 7	19 22 8	19°46'19	14°33	5°32	4°43	26°58	15°13	22°12	15°55	20°15	19°31	6°39	7°22	28°26	0°52	S 7
S 8	19 26 5	20°43'40	28°51	5°11	5°46	27°38	15°26	22° 7	15°53	20°17	19°31	6°37	7°19	28°33	0°49	S 8
M 9	19 30 1	21°41'01	13♊ 6	4°44	6°49	28°19	15°38	22° 3	15°50	20°19	19°30	6°35	7°16	28°39	0°46	M 9
T 10	19 33 58	22°38'23	27°12	4°14	7°51	29° 0	15°51	21°59	15°48	20°21	19°30	6°33	7°13	28°46	0°42	T 10
W11	19 37 55	23°35'47	11♋ 7	3°39	8°54	29°40	16° 3	21°54	15°46	20°23	19°29	6°32	7° 9	28°53	0°39	W11
T 12	19 41 51	24°33'11	24°47	3° 1	9°56	0♊21	16°16	21°50	15°44	20°25	19°28	6°31	7° 6	29° 0	0°36	T 12
F 13	19 45 48	25°30'36	8♌ 9	2°19	10°58	1° 1	16°28	21°45	15°42	20°27	19°28	6°D31	7° 3	29° 6	0°32	F 13
S 14	19 49 44	26°28'02	21°12	1°36	11°59	1°41	16°41	21°41	15°40	20°29	19°27	6°31	7° 0	29°13	0°29	S 14
S 15	19 53 41	27°25'29	3♍57	0°50	13° 0	2°21	16°54	21°36	15°37	20°31	19°27	6°32	6°57	29°20	0°26	S 15
M16	19 57 37	28°22'57	16°25	0° 4	14° 1	3° 1	17° 6	21°32	15°35	20°33	19°26	6°33	6°53	29°26	0°22	M16
T 17	20 1 34	29°20'25	28°39	29♋18	15° 2	3°41	17°19	21°27	15°33	20°35	19°25	6°34	6°50	29°33	0°19	T 17
W18	20 5 31	0♌17'55	10♎42	28°32	16° 2	4°21	17°32	21°23	15°31	20°36	19°25	6°34	6°47	29°40	0°16	W18
T 19	20 9 27	1°15'25	22°38	27°48	17° 2	5° 1	17°44	21°19	15°28	20°38	19°24	6°34	6°44	29°47	0°12	T 19
F 20	20 13 24	2°12'56	4♏31	27° 6	18° 2	5°41	17°57	21°14	15°26	20°40	19°23	6°R34	6°41	29°53	0° 9	F 20
S 21	20 17 20	3°10'28	16°26	26°28	19° 1	6°20	18°10	21°10	15°24	20°42	19°22	6°34	6°38	0♏ 0	0° 6	S 21
S 22	20 21 17	4° 8'01	28°29	25°54	20° 0	7° 0	18°23	21° 6	15°21	20°44	19°22	6°34	6°34	0° 7	0° 3	S 22
M23	20 25 13	5° 5'35	10♐41	25°24	20°58	7°39	18°36	21° 1	15°19	20°45	19°21	6°34	6°31	0°14	29♑59	M23
T 24	20 29 10	6° 3'10	23° 9	25° 0	21°56	8°18	18°49	20°57	15°17	20°47	19°20	6°34	6°28	0°20	29°56	T 24
W25	20 33 6	7° 0'46	5♑53	24°42	22°54	8°58	19° 2	20°53	15°14	20°49	19°19	6°D34	6°25	0°27	29°53	W25
T 26	20 37 3	7°58'23	18°56	24°31	23°51	9°37	19°14	20°49	15°12	20°50	19°18	6°34	6°22	0°34	29°49	T 26
F 27	20 41 0	8°56'01	2♒19	24°D26	24°48	10°16	19°27	20°45	15°10	20°52	19°17	6°R34	6°19	0°40	29°46	F 27
S 28	20 44 56	9°53'41	15°59	24°29	25°44	10°55	19°40	20°41	15° 7	20°54	19°17	6°34	6°15	0°47	29°43	S 28
S 29	20 48 53	10°51'22	29°55	24°39	26°40	11°34	19°53	20°36	15° 5	20°55	19°16	6°34	6°12	0°54	29°40	S 29
M30	20 52 49	11°49'04	14♓ 4	24°56	27°36	12°12	20° 6	20°32	15° 2	20°57	19°15	6°33	6° 9	1° 1	29°36	M30
T 31	20 56 46	12♌46'48	28♓21	25♋21	28♍31	12♊51	20♌19	20♑28	15♒ 0	20♊58	19♓14	6♒33	6♒ 6	1♏ 7	29♑33	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n49	13s37	1n15	16n17	2s41	13n 6	1n 3	18n 2	0s34	17n33	0n52	21s57	0s18	16s47	0s44	21n59	1s13	19s10	16s24	18s43	18s26	15s27	13s16	6n53
M 2	22 43	7 51	2 25	16 1	2 55	12 40	0 59	18 13	0 33	17 29	0 52	21 58	0 18	16 48	0 44	21 59	1 13	19 11	16 25	18 43	18 27	15 30	13 17	6 53
T 3	22 36	1 38	3 28	15 47	3 8	12 13	0 55	18 24	0 32	17 26	0 52	21 58	0 18	16 48	0 44	21 59	1 13	19 11	16 25	18 42	18 28	15 32	13 17	6 53
W 4	22 29	4n42	4 19	15 35	3 22	11 47	0 51	18 35	0 32	17 22	0 52	21 59	0 18	16 49	0 44	21 59	1 13	19 12	16 25	18 42	18 29	15 35	13 18	6 54
T 5	22 22	10 52	4 55	15 24	3 35	11 20	0 47	18 45	0 31	17 19	0 52	22 0	0 18	16 50	0 44	21 59	1 13	19 12	16 26	18 42	18 30	15 37	13 18	6 54
F 6	22 14	16 30	5 13	15 15	3 47	10 53	0 43	18 56	0 30	17 15	0 52	22 1	0 19	16 50	0 44	21 59	1 13	19 12	16 26	18 42	18 31	15 40	13 19	6 54
S 7	22 6	21 15	5 12	15 7	3 59	10 25	0 38	19 6	0 29	17 11	0 52	22 2	0 19	16 51	0 44	21 59	1 13	19 13	16 26	18 42	18 31	15 43	13 20	6 54
S 8	21 57	24 45	4 52	15 2	4 10	9 58	0 34	19 16	0 29	17 8	0 52	22 2	0 19	16 51	0 44	21 59	1 13	19 13	16 27	18 43	18 32	15 45	13 20	6 54
M 9	21 48	26 41	4 14	14 58	4 20	9 30	0 29	19 26	0 28	17 4	0 52	22 3	0 19	16 52	0 44	22 0	1 13	19 14	16 27	18 43	18 33	15 48	13 21	6 54
T 10	21 39	26 52	3 20	14 57	4 28	9 2	0 24	19 36	0 27	17 0	0 52	22 4	0 19	16 53	0 44	22 0	1 13	19 15	16 27	18 44	18 34	15 50	13 21	6 54
W11	21 29	25 21	2 16	14 58	4 36	8 34	0 19	19 45	0 26	16 56	0 52	22 5	0 19	16 53	0 44	22 0	1 13	19 15	16 28	18 44	18 35	15 53	13 22	6 54
T 12	21 19	22 20	1 4	15 0	4 42	8 6	0 14	19 54	0 26	16 53	0 52	22 6	0 19	16 54	0 44	22 0	1 13	19 16	16 28	18 44	18 35	15 55	13 23	6 54
F 13	21 9	18 11	0s 9	15 5	4 47	7 38	0 9	20 4	0 25	16 49	0 52	22 6	0 19	16 55	0 44	22 0	1 13	19 16	16 28	18 44	18 36	15 58	13 23	6 54
S 14	20 58	13 14	1 20	15 11	4 50	7 10	0 4	20 13	0 24	16 45	0 53	22 7	0 19	16 55	0 44	22 0	1 13	19 17	16 29	18 44	18 37	16 1	13 24	6 54
S 15	20 47	7 50	2 26	15 20	4 51	6 41	0s 1	20 21	0 23	16 41	0 53	22 8	0 19	16 56	0 44	22 0	1 13	19 17	16 29	18 44	18 38	16 3	13 25	6 54
M16	20 35	2 16	3 23	15 30	4 51	6 13	0 7	20 30	0 23	16 37	0 53	22 9	0 19	16 57	0 44	22 0	1 13	19 18	16 29	18 44	18 39	16 6	13 25	6 54
T 17	20 24	3s17	4 10	15 42	4 49	5 44	0 12	20 38	0 22	16 33	0 53	22 10	0 20	16 58	0 44	22 1	1 13	19 18	16 30	18 44	18 39	16 8	13 26	6 54
W18	20 11	8 37	4 45	15 55	4 45	5 16	0 18	20 47	0 21	16 30	0 53	22 10	0 20	16 58	0 44	22 1	1 13	19 19	16 30	18 44	18 40	16 11	13 27	6 54
T 19	19 59	13 36	5 7	16 9	4 39	4 47	0 24	20 55	0 20	16 26	0 53	22 11	0 20	16 59	0 44	22 1	1 13	19 19	16 30	18 43	18 41	16 13	13 27	6 54
F 20	19 46	18 3	5 17	16 25	4 31	4 18	0 29	21 3	0 19	16 22	0 53	22 12	0 20	17 0	0 44	22 1	1 13	19 20	16 30	18 43	18 42	16 16	13 28	6 54
S 21	19 33	21 49	5 12	16 41	4 22	3 50	0 35	21 10	0 18	16 18	0 53	22 13	0 20	17 0	0 44	22 1	1 13	19 20	16 31	18 43	18 43	16 18	13 29	6 54
S 22	19 19	24 42	4 54	16 58	4 11	3 21	0 41	21 18	0 18	16 14	0 53	22 13	0 20	17 1	0 44	22 1	1 13	19 21	16 31	18 43	18 43	16 21	13 30	6 54
M23	19 5	26 29	4 22	17 15	3 59	2 52	0 48	21 25	0 17	16 10	0 53	22 14	0 20	17 2	0 44	22 1	1 13	19 22	16 31	18 44	18 44	16 23	13 30	6 54
T 24	18 51	27 1	3 38	17 33	3 45	2 23	0 54	21 32	0 16	16 6	0 53	22 15	0 20	17 2	0 44	22 1	1 13	19 22	16 32	18 44	18 45	16 26	13 31	6 54
W25	18 37	26 7	2 42	17 50	3 31	1 55	1 0	21 39	0 15	16 2	0 53	22 16	0 20	17 3	0 44	22 1	1 13	19 23	16 32	18 44	18 46	16 28	13 32	6 54
T 26	18 22	23 48	1 36	18 7	3 16	1 26	1 7	21 46	0 14	15 58	0 53	22 16	0 20	17 4	0 44	22 2	1 13	19 23	16 32	18 44	18 47	16 31	13 33	6 54
F 27	18 7	20 8	0 24	18 24	2 59	0 57	1 13	21 53	0 13	15 54	0 53	22 17	0 20	17 5	0 44	22 2	1 13	19 24	16 32	18 44	18 47	16 33	13 33	6 54
S 28	17 52	15 18	0n52	18 40	2 43	0 29	1 20	21 59	0 13	15 50	0 53	22 18	0 20	17 5	0 44	22 2	1 13	19 24	16 33	18 44	18 48	16 36	13 34	6 54
S 29	17 36	9 36	2 6	18 55	2 26	0 0	1 27	22 5	0 12	15 46	0 53	22 18	0 20	17 6	0 44	22 2	1 13	19 25	16 33	18 44	18 49	16 38	13 35	6 54
M30	17 20	3 20	3 13	19 9	2 9	0s28	1 34	22 12	0 11	15 42	0 53	22 19	0 21	17 7	0 44	22 2	1 13	19 26	16 33	18 44	18 50	16 41	13 36	6 54
T 31	17n 4	3n 9	4n 9	19n21	1s51	0s57	1s41	22n17	0s10	15n37	0n53	22s20	0s21	17s 7	0s44	22n 2	1s13	19s26	16s33	18s44	18s51	16s43	13s36	6n53

Julian Day Number = 2114978.5, Delta T = 18m55s
Ecliptic obliquity = 23°33'37, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°53'40, Lahiri = 11°00'40 Julian Calendar 1 July 1078 == Greg. Calendar 7 July 1078

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1078
geocentric

AUGUST 1078 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 0 42	13♌44'34	12♈42	25♋53	29♍25	13♊29	20♌32	20°R25	14°R58	21♊ 0	19°R13	6°R32	6♒ 3	1♏14	29°R30	W 1
T 2	21 4 39	14°42'21	27° 3	26°33	0♎19	14° 8	20°45	20♂21	14♒55	21° 1	19♓12	6♒31	5°59	1°21	29♂27	T 2
F 3	21 8 35	15°40'11	11♉20	27°20	1°12	14°46	20°58	20°17	14°53	21° 3	19°11	6°D31	5°56	1°27	29°24	F 3
S 4	21 12 32	16°38'02	25°31	28°14	2° 5	15°25	21°11	20°13	14°50	21° 4	19°10	6°31	5°53	1°34	29°20	S 4
S 5	21 16 29	17°35'55	9♊32	29°15	2°57	16° 3	21°24	20° 9	14°48	21° 6	19° 9	6°32	5°50	1°41	29°17	S 5
M 6	21 20 25	18°33'49	23°24	0♌23	3°48	16°41	21°37	20° 6	14°46	21° 7	19° 8	6°32	5°47	1°48	29°14	M 6
T 7	21 24 22	19°31'46	7♋ 4	1°37	4°39	17°19	21°51	20° 2	14°43	21° 8	19° 7	6°34	5°44	1°54	29°11	T 7
W 8	21 28 18	20°29'45	20°32	2°57	5°29	17°56	22° 4	19°59	14°41	21°10	19° 6	6°34	5°40	2° 1	29° 8	W 8
T 9	21 32 15	21°27'45	3♌47	4°22	6°19	18°34	22°17	19°55	14°38	21°11	19° 5	6°R35	5°37	2° 8	29° 5	T 9
F 10	21 36 11	22°25'47	16°48	5°52	7° 8	19°12	22°30	19°52	14°36	21°12	19° 4	6°35	5°34	2°15	29° 2	F 10
S 11	21 40 8	23°23'50	29°36	7°27	7°56	19°49	22°43	19°48	14°34	21°14	19° 3	6°34	5°31	2°21	28°59	S 11
S 12	21 44 4	24°21'55	12♍10	9° 5	8°43	20°27	22°56	19°45	14°31	21°15	19° 2	6°32	5°28	2°28	28°57	S 12
M13	21 48 1	25°20'02	24°31	10°48	9°29	21° 4	23° 9	19°42	14°29	21°16	19° 1	6°29	5°25	2°35	28°54	M13
T 14	21 51 58	26°18'10	6♎41	12°33	10°15	21°41	23°22	19°39	14°27	21°17	19° 0	6°26	5°21	2°41	28°51	T 14
W15	21 55 54	27°16'20	18°42	14°21	11° 0	22°18	23°35	19°36	14°24	21°18	18°59	6°23	5°18	2°48	28°48	W15
T 16	21 59 51	28°14'32	0♏36	16°11	11°44	22°55	23°48	19°33	14°22	21°19	18°58	6°20	5°15	2°55	28°45	T 16
F 17	22 3 47	29°12'45	12°29	18° 3	12°27	23°32	24° 1	19°30	14°20	21°21	18°56	6°18	5°12	3° 2	28°43	F 17
S 18	22 7 44	0♍10'59	24°23	19°56	13° 9	24° 8	24°14	19°27	14°17	21°22	18°55	6°17	5° 9	3° 8	28°40	S 18
S 19	22 11 40	1° 9'15	6♐23	21°50	13°50	24°45	24°27	19°24	14°15	21°23	18°54	6°D17	5° 5	3°15	28°37	S 19
M20	22 15 37	2° 7'33	18°34	23°45	14°30	25°21	24°40	19°21	14°13	21°24	18°53	6°18	5° 2	3°22	28°35	M20
T 21	22 19 33	3° 5'53	1♑ 1	25°40	15° 8	25°57	24°53	19°19	14°11	21°25	18°52	6°19	4°59	3°29	28°32	T 21
W22	22 23 30	4° 4'14	13°47	27°35	15°46	26°34	25° 6	19°16	14° 9	21°26	18°51	6°21	4°56	3°35	28°30	W22
T 23	22 27 27	5° 2'36	26°57	29°30	16°22	27°10	25°19	19°14	14° 6	21°26	18°50	6°22	4°53	3°42	28°27	T 23
F 24	22 31 23	6° 1'01	10♒30	1♍24	16°58	27°45	25°32	19°12	14° 4	21°27	18°48	6°R22	4°50	3°49	28°25	F 24
S 25	22 35 20	6°59'27	24°28	3°19	17°31	28°21	25°45	19° 9	14° 2	21°28	18°47	6°21	4°46	3°55	28°23	S 25
S 26	22 39 16	7°57'55	8♓47	5°12	18° 4	28°57	25°58	19° 7	14° 0	21°29	18°46	6°19	4°43	4° 2	28°20	S 26
M27	22 43 13	8°56'24	23°23	7° 5	18°35	29°32	26°11	19° 5	13°58	21°30	18°45	6°15	4°40	4° 9	28°18	M27
T 28	22 47 9	9°54'56	8♈ 8	8°57	19° 5	0♋ 8	26°24	19° 3	13°56	21°30	18°44	6°10	4°37	4°16	28°16	T 28
W29	22 51 6	10°53'30	22°56	10°48	19°33	0°43	26°37	19° 1	13°54	21°31	18°43	6° 5	4°34	4°22	28°14	W29
T 30	22 55 2	11°52'06	7♉37	12°38	20° 0	1°18	26°50	18°59	13°52	21°32	18°41	6° 0	4°31	4°29	28°12	T 30
F 31	22 58 59	12♍50'45	22♉ 7	14♍28	20♎25	1♋53	27♌ 2	18♂57	13♒50	21♊32	18♓40	5♒57	4♒27	4♏36	28♂10	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n47	9n29	4n50	19n32	1s34	1s25	1s48	22n23	0s 9	15n33	0n53	22s21	0s21	17s 8	0s44	22n 2	1s13	19s27	16s34	18s44	18s51	16s46	13s37	6n53
T 2	16 30	15 19	5 12	19 41	1 17	1 53	1 55	22 29	0 8	15 29	0 53	22 21	0 21	17 9	0 44	22 2	1 13	19 27	16 34	18 44	18 52	16 48	13 38	6 53
F 3	16 13	20 18	5 15	19 49	1 0	2 21	2 2	22 34	0 7	15 25	0 53	22 22	0 21	17 10	0 44	22 2	1 13	19 28	16 34	18 44	18 53	16 50	13 39	6 53
S 4	15 56	24 4	4 59	19 54	0 44	2 49	2 10	22 39	0 6	15 21	0 53	22 22	0 21	17 10	0 44	22 2	1 13	19 29	16 34	18 44	18 54	16 53	13 39	6 53
S 5	15 38	26 22	4 26	19 57	0 28	3 16	2 17	22 44	0 5	15 17	0 53	22 23	0 21	17 11	0 44	22 2	1 13	19 29	16 34	18 44	18 55	16 55	13 40	6 53
M 6	15 20	27 0	3 37	19 57	0 13	3 44	2 25	22 49	0 4	15 13	0 53	22 24	0 21	17 12	0 44	22 2	1 13	19 30	16 35	18 44	18 55	16 58	13 41	6 52
T 7	15 2	25 58	2 36	19 55	0n 1	4 11	2 32	22 54	0 3	15 8	0 53	22 24	0 21	17 12	0 44	22 2	1 13	19 30	16 35	18 44	18 56	17 0	13 42	6 52
W 8	14 44	23 25	1 28	19 50	0 15	4 38	2 40	22 58	0 3	15 4	0 53	22 25	0 21	17 13	0 44	22 3	1 13	19 31	16 35	18 43	18 57	17 3	13 43	6 52
T 9	14 25	19 39	0 15	19 43	0 28	5 5	2 48	23 2	0 2	15 0	0 53	22 25	0 21	17 14	0 44	22 3	1 14	19 31	16 35	18 43	18 58	17 5	13 43	6 52
F 10	14 6	14 59	0s56	19 32	0 39	5 32	2 56	23 6	0 1	14 56	0 54	22 26	0 21	17 14	0 44	22 3	1 14	19 32	16 35	18 43	18 58	17 8	13 44	6 52
S 11	13 47	9 45	2 4	19 19	0 50	5 58	3 4	23 10	0n 0	14 51	0 54	22 27	0 21	17 15	0 44	22 3	1 14	19 33	16 36	18 44	18 59	17 10	13 45	6 51
S 12	13 28	4 12	3 4	19 3	1 0	6 24	3 12	23 14	0 1	14 47	0 54	22 27	0 21	17 16	0 44	22 3	1 14	19 33	16 36	18 44	19 0	17 12	13 46	6 51
M13	13 8	1s23	3 54	18 44	1 9	6 50	3 20	23 18	0 2	14 43	0 54	22 28	0 22	17 17	0 44	22 3	1 14	19 34	16 36	18 45	19 1	17 15	13 47	6 51
T 14	12 49	6 50	4 33	18 22	1 17	7 16	3 28	23 21	0 3	14 39	0 54	22 28	0 22	17 17	0 44	22 3	1 14	19 34	16 36	18 46	19 2	17 17	13 47	6 51
W15	12 29	11 58	4 59	17 57	1 24	7 41	3 36	23 24	0 4	14 34	0 54	22 29	0 22	17 18	0 44	22 3	1 14	19 35	16 36	18 46	19 2	17 20	13 48	6 51
T 16	12 9	16 37	5 13	17 30	1 31	8 6	3 44	23 27	0 5	14 30	0 54	22 29	0 22	17 19	0 44	22 3	1 14	19 36	16 36	18 47	19 3	17 22	13 49	6 50
F 17	11 48	20 36	5 12	17 1	1 36	8 31	3 53	23 30	0 6	14 26	0 54	22 30	0 22	17 19	0 44	22 3	1 14	19 36	16 37	18 48	19 4	17 24	13 50	6 50
S 18	11 28	23 47	4 59	16 29	1 40	8 55	4 1	23 33	0 7	14 22	0 54	22 30	0 22	17 20	0 44	22 3	1 14	19 37	16 37	18 48	19 5	17 27	13 51	6 50
S 19	11 7	25 57	4 32	15 55	1 43	9 19	4 10	23 36	0 8	14 17	0 54	22 31	0 22	17 21	0 44	22 3	1 14	19 37	16 37	18 48	19 5	17 29	13 51	6 49
M20	10 46	26 56	3 53	15 20	1 46	9 42	4 18	23 38	0 9	14 13	0 54	22 31	0 22	17 21	0 44	22 3	1 14	19 38	16 37	18 48	19 6	17 31	13 52	6 49
T 21	10 25	26 35	3 2	14 43	1 47	10 5	4 27	23 40	0 10	14 9	0 54	22 31	0 22	17 22	0 44	22 3	1 14	19 38	16 37	18 47	19 7	17 34	13 53	6 49
W22	10 4	24 50	2 1	14 4	1 48	10 28	4 35	23 42	0 11	14 4	0 54	22 32	0 22	17 22	0 44	22 3	1 14	19 39	16 37	18 47	19 8	17 36	13 54	6 49
T 23	9 43	21 43	0 51	13 24	1 48	10 50	4 44	23 44	0 12	14 0	0 54	22 32	0 22	17 23	0 44	22 3	1 14	19 39	16 37	18 47	19 9	17 39	13 54	6 48
F 24	9 21	17 20	0n23	12 42	1 48	11 11	4 52	23 46	0 13	13 56	0 55	22 33	0 22	17 24	0 44	22 3	1 14	19 40	16 37	18 46	19 9	17 41	13 55	6 48
S 25	8 59	11 54	1 37	12 0	1 47	11 32	5 1	23 47	0 14	13 51	0 55	22 33	0 22	17 24	0 44	22 3	1 14	19 41	16 37	18 47	19 10	17 43	13 56	6 48
S 26	8 37	5 43	2 48	11 17	1 45	11 53	5 9	23 49	0 16	13 47	0 55	22 33	0 22	17 25	0 44	22 3	1 14	19 41	16 38	18 47	19 11	17 46	13 57	6 47
M27	8 16	0n51	3 48	10 32	1 43	12 13	5 18	23 50	0 17	13 43	0 55	22 34	0 22	17 26	0 44	22 3	1 14	19 42	16 38	18 48	19 12	17 48	13 57	6 47
T 28	7 53	7 27	4 35	9 48	1 40	12 32	5 27	23 51	0 18	13 38	0 55	22 34	0 22	17 26	0 44	22 3	1 14	19 42	16 38	18 50	19 12	17 50	13 58	6 47
W29	7 31	13 38	5 3	9 2	1 37	12 51	5 35	23 52	0 19	13 34	0 55	22 34	0 22	17 27	0 44	22 3	1 14	19 43	16 38	18 51	19 13	17 53	13 59	6 46
T 30	7 9	19 1	5 11	8 17	1 33	13 9	5 44	23 53	0 20	13 30	0 55	22 35	0 23	17 27	0 44	22 3	1 14	19 43	16 38	18 52	19 14	17 55	14 0	6 46
F 31	6n46	23n12	4n59	7n31	1n29	13s26	5s52	23n54	0n21	13n25	0n55	22s35	0s23	17s28	0s44	22n 3	1s14	19s44	16s38	18s53	19s15	17s57	14s 0	6n46

Julian Day Number = 2115009.5, Delta T = 18m54s
Ecliptic obliquity = 23°33'37, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°53'44, Lahiri = 11°00'45 Julian Calendar 1 Aug. 1078 == Greg. Calendar 7 Aug. 1078

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1078
geocentric

SEPTEMBER 1078 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 2 55	13♍49'25	6♊22	16♍16	20♎48	2♋28	27♌15	18°R56	13°R48	21♊33	18°R39	5°R56	4♒24	4♏42	28°R 8	S 1
S 2	23 6 52	14°48'08	20°18	18° 4	21°10	3° 2	27°28	18♑54	13♒46	21°34	18♓38	5°D55	4°21	4°49	28♑ 6	S 2
M 3	23 10 49	15°46'54	3♋57	19°50	21°30	3°37	27°41	18°53	13°44	21°34	18°37	5♒56	4°18	4°56	28° 4	M 3
T 4	23 14 45	16°45'42	17°19	21°36	21°48	4°11	27°53	18°51	13°42	21°35	18°35	5°58	4°15	5° 3	28° 2	T 4
W 5	23 18 42	17°44'32	0♌25	23°20	22° 4	4°45	28° 6	18°50	13°40	21°35	18°34	5°R59	4°11	5° 9	28° 1	W 5
T 6	23 22 38	18°43'24	13°18	25° 4	22°18	5°19	28°19	18°49	13°38	21°36	18°33	5°59	4° 8	5°16	27°59	T 6
F 7	23 26 35	19°42'18	25°58	26°46	22°30	5°53	28°31	18°48	13°36	21°36	18°32	5°57	4° 5	5°23	27°57	F 7
S 8	23 30 31	20°41'15	8♍28	28°28	22°40	6°27	28°44	18°47	13°35	21°37	18°31	5°53	4° 2	5°30	27°56	S 8
S 9	23 34 28	21°40'13	20°48	0♎ 9	22°48	7° 1	28°56	18°46	13°33	21°37	18°29	5°46	3°59	5°36	27°54	S 9
M10	23 38 24	22°39'14	3♎ 0	1°49	22°53	7°34	29° 9	18°45	13°31	21°37	18°28	5°38	3°56	5°43	27°53	M10
T 11	23 42 21	23°38'16	15° 3	3°28	22°57	8° 7	29°21	18°45	13°29	21°37	18°27	5°29	3°52	5°50	27°52	T 11
W12	23 46 18	24°37'21	27° 0	5° 6	22°R58	8°40	29°34	18°44	13°28	21°38	18°26	5°20	3°49	5°56	27°50	W12
T 13	23 50 14	25°36'28	8♏53	6°43	22°57	9°13	29°46	18°44	13°26	21°38	18°25	5°11	3°46	6° 3	27°49	T 13
F 14	23 54 11	26°35'36	20°43	8°20	22°53	9°46	29°59	18°43	13°25	21°38	18°24	5° 3	3°43	6°10	27°48	F 14
S 15	23 58 7	27°34'47	2♐35	9°55	22°47	10°18	0♍11	18°43	13°23	21°38	18°22	4°58	3°40	6°17	27°47	S 15
S 16	0 2 4	28°33'59	14°33	11°30	22°39	10°51	0°23	18°43	13°22	21°38	18°21	4°55	3°36	6°23	27°46	S 16
M17	0 6 0	29°33'13	26°40	13° 4	22°28	11°23	0°35	18°D43	13°20	21°38	18°20	4°D53	3°33	6°30	27°45	M17
T 18	0 9 57	0♑32'29	9♑ 2	14°38	22°15	11°55	0°48	18°43	13°19	21°39	18°19	4°54	3°30	6°37	27°44	T 18
W19	0 13 53	1°31'47	21°45	16°10	22° 0	12°27	1° 0	18°43	13°18	21°R39	18°18	4°55	3°27	6°44	27°43	W19
T 20	0 17 50	2°31'06	4♒51	17°42	21°42	12°58	1°12	18°43	13°16	21°39	18°16	4°R55	3°24	6°50	27°42	T 20
F 21	0 21 47	3°30'28	18°25	19°13	21°21	13°30	1°24	18°43	13°15	21°38	18°15	4°54	3°21	6°57	27°42	F 21
S 22	0 25 43	4°29'51	2♓28	20°43	20°59	14° 1	1°36	18°44	13°14	21°38	18°14	4°51	3°17	7° 4	27°41	S 22
S 23	0 29 40	5°29'16	16°58	22°13	20°34	14°32	1°48	18°44	13°12	21°38	18°13	4°46	3°14	7°10	27°40	S 23
M24	0 33 36	6°28'43	1♈51	23°41	20° 8	15° 3	1°59	18°45	13°11	21°38	18°12	4°38	3°11	7°17	27°40	M24
T 25	0 37 33	7°28'12	16°58	25° 9	19°39	15°33	2°11	18°46	13°10	21°38	18°11	4°29	3° 8	7°24	27°40	T 25
W26	0 41 29	8°27'43	2♉ 9	26°37	19° 9	16° 3	2°23	18°46	13° 9	21°38	18°10	4°19	3° 5	7°31	27°39	W26
T 27	0 45 26	9°27'16	17°14	28° 3	18°37	16°34	2°35	18°47	13° 8	21°37	18° 9	4°10	3° 2	7°37	27°39	T 27
F 28	0 49 22	10°26'52	2♊ 4	29°29	18° 4	17° 4	2°46	18°48	13° 7	21°37	18° 7	4° 3	2°58	7°44	27°39	F 28
S 29	0 53 19	11°26'30	16°32	0♏54	17°30	17°33	2°58	18°49	13° 6	21°37	18° 6	3°58	2°55	7°51	27°39	S 29
S 30	0 57 16	12♎26'11	0♋35	2♏18	16♎55	18♋ 3	3♍ 9	18♑51	13♒ 5	21♊36	18♓ 5	3♒56	2♒52	7♏57	27♑38	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n24	25n53	4n28	6n44	1n24	13s43	6s 0	23n54	0n22	13n21	0n55	22s35	0s23	17s28	0s44	22n 3	1s14	19s44	16s38	18s53	19s15	18s 0	14s 1	6n45
S 2	6 1	26 54	3 43	5 58	1 20	13 59	6 9	23 55	0 23	13 17	0 55	22 36	0 23	17 29	0 44	22 3	1 14	19 45	16 38	18 53	19 16	18 2	14 2	6 45
M 3	5 38	26 15	2 45	5 11	1 15	14 14	6 17	23 55	0 24	13 12	0 55	22 36	0 23	17 30	0 44	22 3	1 14	19 45	16 38	18 53	19 17	18 4	14 3	6 44
T 4	5 15	24 5	1 40	4 25	1 9	14 28	6 25	23 55	0 26	13 8	0 56	22 36	0 23	17 30	0 44	22 3	1 14	19 46	16 38	18 53	19 18	18 6	14 3	6 44
W 5	4 52	20 39	0 30	3 38	1 4	14 41	6 33	23 55	0 27	13 4	0 56	22 36	0 23	17 31	0 44	22 3	1 14	19 46	16 38	18 52	19 18	18 9	14 4	6 44
T 6	4 29	16 17	0s40	2 51	0 58	14 54	6 40	23 55	0 28	13 0	0 56	22 37	0 23	17 31	0 44	22 3	1 14	19 47	16 38	18 52	19 19	18 11	14 5	6 43
F 7	4 6	11 16	1 46	2 5	0 52	15 5	6 48	23 55	0 29	12 55	0 56	22 37	0 23	17 32	0 44	22 3	1 14	19 47	16 38	18 53	19 20	18 13	14 5	6 43
S 8	3 43	5 52	2 46	1 19	0 46	15 16	6 55	23 54	0 30	12 51	0 56	22 37	0 23	17 32	0 44	22 3	1 14	19 48	16 38	18 54	19 21	18 16	14 6	6 42
S 9	3 19	0 20	3 38	0 32	0 39	15 26	7 2	23 54	0 31	12 47	0 56	22 37	0 23	17 33	0 44	22 3	1 14	19 48	16 38	18 55	19 21	18 18	14 7	6 42
M10	2 56	5s 9	4 18	0s13	0 33	15 34	7 9	23 53	0 33	12 42	0 56	22 37	0 23	17 33	0 44	22 3	1 15	19 49	16 38	18 57	19 22	18 20	14 8	6 42
T 11	2 32	10 22	4 47	0 59	0 26	15 41	7 15	23 52	0 34	12 38	0 56	22 37	0 23	17 34	0 44	22 3	1 15	19 49	16 38	19 0	19 23	18 22	14 8	6 41
W12	2 9	15 9	5 3	1 44	0 19	15 47	7 22	23 51	0 35	12 34	0 56	22 38	0 23	17 34	0 44	22 3	1 15	19 50	16 38	19 2	19 24	18 25	14 9	6 41
T 13	1 45	19 21	5 5	2 29	0 13	15 52	7 27	23 50	0 36	12 29	0 57	22 38	0 23	17 34	0 44	22 3	1 15	19 50	16 38	19 4	19 24	18 27	14 9	6 40
F 14	1 22	22 45	4 55	3 14	0 6	15 56	7 33	23 49	0 37	12 25	0 57	22 38	0 23	17 35	0 44	22 3	1 15	19 51	16 38	19 6	19 25	18 29	14 10	6 40
S 15	0 58	25 13	4 32	3 58	0s 1	15 58	7 38	23 48	0 39	12 21	0 57	22 38	0 23	17 35	0 44	22 3	1 15	19 51	16 38	19 7	19 26	18 31	14 11	6 40
S 16	0 34	26 34	3 56	4 42	0 8	15 59	7 42	23 47	0 40	12 17	0 57	22 38	0 23	17 36	0 44	22 3	1 15	19 51	16 38	19 8	19 27	18 34	14 11	6 39
M17	0 11	26 41	3 10	5 25	0 15	15 59	7 46	23 45	0 41	12 13	0 57	22 38	0 23	17 36	0 44	22 3	1 15	19 52	16 38	19 8	19 27	18 36	14 12	6 39
T 18	0s13	25 29	2 14	6 8	0 22	15 57	7 50	23 44	0 43	12 8	0 57	22 38	0 23	17 36	0 44	22 3	1 15	19 52	16 38	19 8	19 28	18 38	14 13	6 38
W19	0 37	22 57	1 10	6 51	0 29	15 54	7 53	23 42	0 44	12 4	0 57	22 38	0 23	17 37	0 44	22 3	1 15	19 53	16 38	19 8	19 29	18 40	14 13	6 38
T 20	1 0	19 9	0 0	7 32	0 36	15 49	7 55	23 40	0 45	12 0	0 57	22 38	0 24	17 37	0 44	22 3	1 15	19 53	16 38	19 8	19 30	18 42	14 14	6 37
F 21	1 24	14 15	1n12	8 14	0 44	15 43	7 56	23 39	0 46	11 56	0 58	22 38	0 24	17 37	0 44	22 3	1 15	19 53	16 37	19 8	19 30	18 45	14 14	6 37
S 22	1 48	8 27	2 21	8 55	0 51	15 35	7 57	23 37	0 48	11 52	0 58	22 38	0 24	17 38	0 44	22 3	1 15	19 54	16 37	19 9	19 31	18 47	14 15	6 37
S 23	2 11	2 2	3 24	9 35	0 58	15 25	7 57	23 35	0 49	11 47	0 58	22 38	0 24	17 38	0 44	22 3	1 15	19 54	16 37	19 10	19 32	18 49	14 15	6 36
M24	2 35	4n38	4 15	10 14	1 4	15 14	7 56	23 33	0 50	11 43	0 58	22 38	0 24	17 38	0 44	22 3	1 15	19 54	16 37	19 12	19 33	18 51	14 16	6 36
T 25	2 59	11 8	4 49	10 53	1 11	15 2	7 55	23 30	0 52	11 39	0 58	22 38	0 24	17 39	0 44	22 3	1 15	19 55	16 37	19 14	19 33	18 53	14 16	6 35
W26	3 22	17 0	5 3	11 32	1 18	14 48	7 52	23 28	0 53	11 35	0 58	22 38	0 24	17 39	0 44	22 3	1 15	19 55	16 37	19 17	19 34	18 56	14 17	6 35
T 27	3 46	21 47	4 55	12 9	1 25	14 33	7 49	23 26	0 55	11 31	0 58	22 38	0 24	17 39	0 44	22 3	1 15	19 56	16 37	19 19	19 35	18 58	14 17	6 34
F 28	4 9	25 3	4 28	12 46	1 31	14 16	7 45	23 23	0 56	11 27	0 59	22 38	0 24	17 39	0 44	22 3	1 15	19 56	16 37	19 20	19 36	19 0	14 18	6 34
S 29	4 33	26 35	3 44	13 22	1 38	13 58	7 40	23 21	0 57	11 23	0 59	22 38	0 24	17 40	0 43	22 3	1 15	19 56	16 37	19 22	19 36	19 2	14 18	6 33
S 30	4s56	26n21	2n47	13s58	1s44	13s39	7s34	23n19	0n59	11n19	0n59	22s37	0s24	17s40	0s43	22n 3	1s15	19s56	16s36	19s22	19s37	19s 4	14s19	6n33

Julian Day Number = 2115040.5, Delta T = 18m54s
Ecliptic obliquity = 23°33'37, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°53'48, Lahiri = 11°00'49 Julian Calendar 1 Sept. 1078 == Greg. Calendar 7 Sept. 1078

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1078
geocentric

OCTOBER 1078 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 1 12	13♎25'54	14♋12	3♏41	16°R19	18♋32	3♍21	18♑52	13°R 5	21°R36	18°R 4	3°D55	2♒49	8♏ 4	27°D38	M 1
T 2	1 5 9	14°25'39	27°27	5° 3	15♎43	19° 1	3°32	18°53	13♒ 4	21♊36	18♓ 3	3°R56	2°46	8°11	27♑39	T 2
W 3	1 9 5	15°25'26	10♌22	6°24	15° 6	19°30	3°43	18°55	13° 3	21°35	18° 2	3♒56	2°42	8°18	27°39	W 3
T 4	1 13 2	16°25'16	23° 0	7°44	14°30	19°58	3°54	18°57	13° 2	21°35	18° 1	3°54	2°39	8°24	27°39	T 4
F 5	1 16 58	17°25'07	5♍26	9° 3	13°53	20°27	4° 5	18°58	13° 2	21°34	18° 0	3°50	2°36	8°31	27°39	F 5
S 6	1 20 55	18°25'01	17°41	10°21	13°18	20°55	4°17	19° 0	13° 1	21°34	17°59	3°43	2°33	8°38	27°40	S 6
S 7	1 24 51	19°24'57	29°49	11°38	12°43	21°22	4°27	19° 2	13° 1	21°33	17°58	3°33	2°30	8°45	27°40	S 7
M 8	1 28 48	20°24'55	11♎50	12°53	12° 8	21°50	4°38	19° 4	13° 0	21°32	17°57	3°21	2°27	8°51	27°40	M 8
T 9	1 32 44	21°24'55	23°47	14° 7	11°36	22°17	4°49	19° 6	13° 0	21°32	17°56	3° 7	2°23	8°58	27°41	T 9
W10	1 36 41	22°24'57	5♏41	15°19	11° 4	22°44	5° 0	19° 8	12°59	21°31	17°55	2°52	2°20	9° 5	27°42	W10
T 11	1 40 38	23°25'01	17°32	16°29	10°34	23°10	5°11	19°11	12°59	21°30	17°54	2°38	2°17	9°11	27°42	T 11
F 12	1 44 34	24°25'07	29°23	17°37	10° 6	23°37	5°21	19°13	12°59	21°30	17°53	2°26	2°14	9°18	27°43	F 12
S 13	1 48 31	25°25'15	11♐16	18°43	9°40	24° 3	5°32	19°16	12°58	21°29	17°52	2°16	2°11	9°25	27°44	S 13
S 14	1 52 27	26°25'24	23°13	19°46	9°16	24°28	5°42	19°18	12°58	21°28	17°51	2°10	2° 8	9°32	27°45	S 14
M15	1 56 24	27°25'35	5♑19	20°47	8°53	24°54	5°52	19°21	12°58	21°27	17°51	2° 6	2° 4	9°38	27°46	M15
T 16	2 0 20	28°25'47	17°38	21°44	8°34	25°19	6° 2	19°24	12°58	21°26	17°50	2° 5	2° 1	9°45	27°47	T 16
W17	2 4 17	29°26'01	0♒14	22°38	8°16	25°44	6°12	19°27	12°D58	21°26	17°49	2° 4	1°58	9°52	27°48	W17
T 18	2 8 13	0♏26'17	13°13	23°28	8° 1	26° 8	6°22	19°30	12°58	21°25	17°48	2° 4	1°55	9°58	27°49	T 18
F 19	2 12 10	1°26'34	26°39	24°13	7°48	26°32	6°32	19°33	12°58	21°24	17°47	2° 3	1°52	10° 5	27°50	F 19
S 20	2 16 7	2°26'52	10♓34	24°54	7°38	26°56	6°42	19°36	12°58	21°23	17°46	1°59	1°48	10°12	27°52	S 20
S 21	2 20 3	3°27'12	25° 0	25°29	7°30	27°19	6°52	19°39	12°58	21°22	17°46	1°53	1°45	10°19	27°53	S 21
M22	2 24 0	4°27'34	9♈52	25°58	7°24	27°42	7° 1	19°42	12°59	21°21	17°45	1°44	1°42	10°25	27°55	M22
T 23	2 27 56	5°27'57	25° 5	26°20	7°22	28° 5	7°11	19°46	12°59	21°20	17°44	1°33	1°39	10°32	27°56	T 23
W24	2 31 53	6°28'21	10♉27	26°35	7°D21	28°27	7°20	19°49	12°59	21°19	17°43	1°22	1°36	10°39	27°58	W24
T 25	2 35 49	7°28'48	25°47	26°R41	7°23	28°49	7°30	19°53	12°59	21°17	17°43	1°11	1°33	10°46	27°59	T 25
F 26	2 39 46	8°29'16	10♊53	26°39	7°27	29°11	7°39	19°56	13° 0	21°16	17°42	1° 2	1°29	10°52	28° 1	F 26
S 27	2 43 42	9°29'46	25°37	26°27	7°34	29°32	7°48	20° 0	13° 0	21°15	17°41	0°55	1°26	10°59	28° 3	S 27
S 28	2 47 39	10°30'18	9♋53	26° 4	7°43	29°53	7°57	20° 4	13° 1	21°14	17°41	0°52	1°23	11° 6	28° 5	S 28
M29	2 51 36	11°30'52	23°40	25°32	7°54	0♌13	8° 6	20° 8	13° 1	21°13	17°40	0°50	1°20	11°12	28° 7	M29
T 30	2 55 32	12°31'27	6♌59	24°49	8° 8	0°33	8°14	20°12	13° 2	21°12	17°39	0°50	1°17	11°19	28° 9	T 30
W31	2 59 29	13♏32'05	19♌53	23♏56	8♎23	0♌53	8♍23	20♑16	13♒ 3	21♊10	17♓39	0♒50	1♒14	11♏26	28♑11	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5 s20	24n30	1n43	14 s32	1 s50	13 s19	7 s27	23n16	1n 0	11n15	0n59	22 s37	0 s24	17 s40	0 s43	22n 2	1 s15	19 s57	16 s36	19 s22	19 s38	19 s 6	14 s19	6n32
T 2	5 43	21 20	0 34	15 6	1 56	12 57	7 20	23 13	1 2	11 11	0 59	22 37	0 24	17 40	0 43	22 2	1 15	19 57	16 36	19 22	19 38	19 9	14 20	6 32
W 3	6 6	17 11	0 s34	15 39	2 2	12 35	7 11	23 11	1 3	11 7	0 59	22 37	0 24	17 41	0 43	22 2	1 15	19 57	16 36	19 22	19 39	19 11	14 20	6 32
T 4	6 29	12 21	1 39	16 10	2 8	12 12	7 2	23 8	1 5	11 3	1 0	22 37	0 24	17 41	0 43	22 2	1 15	19 58	16 36	19 23	19 40	19 13	14 21	6 31
F 5	6 52	7 7	2 39	16 41	2 13	11 49	6 52	23 5	1 6	10 59	1 0	22 37	0 24	17 41	0 43	22 2	1 15	19 58	16 36	19 24	19 41	19 15	14 21	6 31
S 6	7 15	1 41	3 29	17 11	2 18	11 25	6 41	23 2	1 8	10 55	1 0	22 36	0 24	17 41	0 43	22 2	1 15	19 58	16 35	19 25	19 41	19 17	14 21	6 30
S 7	7 38	3 s45	4 10	17 40	2 23	11 1	6 29	23 0	1 9	10 51	1 0	22 36	0 24	17 41	0 43	22 2	1 15	19 58	16 35	19 27	19 42	19 19	14 22	6 30
M 8	8 1	8 59	4 39	18 8	2 28	10 36	6 17	22 57	1 11	10 47	1 0	22 36	0 24	17 41	0 43	22 2	1 15	19 59	16 35	19 30	19 43	19 21	14 22	6 29
T 9	8 24	13 51	4 56	18 34	2 32	10 11	6 5	22 54	1 12	10 44	1 0	22 36	0 24	17 41	0 43	22 2	1 15	19 59	16 35	19 34	19 44	19 24	14 22	6 29
W10	8 46	18 11	4 59	19 0	2 36	9 47	5 52	22 51	1 14	10 40	1 1	22 35	0 24	17 41	0 43	22 2	1 15	19 59	16 35	19 37	19 44	19 26	14 23	6 28
T 11	9 8	21 47	4 50	19 24	2 40	9 23	5 38	22 48	1 15	10 36	1 1	22 35	0 24	17 41	0 43	22 2	1 16	19 59	16 35	19 40	19 45	19 28	14 23	6 28
F 12	9 31	24 28	4 28	19 46	2 43	8 59	5 24	22 45	1 17	10 32	1 1	22 35	0 24	17 42	0 43	22 2	1 16	19 59	16 34	19 43	19 46	19 30	14 23	6 27
S 13	9 53	26 6	3 54	20 7	2 45	8 35	5 10	22 42	1 19	10 29	1 1	22 34	0 24	17 42	0 43	22 2	1 16	19 59	16 34	19 45	19 46	19 32	14 24	6 27
S 14	10 15	26 33	3 10	20 27	2 47	8 12	4 55	22 39	1 20	10 25	1 1	22 34	0 25	17 42	0 43	22 2	1 16	20 0	16 34	19 47	19 47	19 34	14 24	6 26
M15	10 37	25 43	2 16	20 45	2 49	7 50	4 40	22 36	1 22	10 21	1 1	22 34	0 25	17 42	0 43	22 2	1 16	20 0	16 34	19 48	19 48	19 36	14 24	6 26
T 16	10 58	23 38	1 16	21 1	2 50	7 28	4 25	22 33	1 24	10 18	1 2	22 33	0 25	17 42	0 43	22 1	1 16	20 0	16 33	19 48	19 49	19 38	14 25	6 26
W17	11 20	20 22	0 10	21 16	2 50	7 8	4 10	22 30	1 25	10 14	1 2	22 33	0 25	17 42	0 43	22 1	1 16	20 0	16 33	19 48	19 49	19 40	14 25	6 25
T 18	11 41	16 0	0n59	21 28	2 50	6 48	3 56	22 27	1 27	10 11	1 2	22 33	0 25	17 42	0 43	22 1	1 16	20 0	16 33	19 48	19 50	19 42	14 25	6 25
F 19	12 2	10 43	2 6	21 38	2 48	6 29	3 41	22 24	1 29	10 7	1 2	22 32	0 25	17 41	0 43	22 1	1 16	20 0	16 33	19 48	19 51	19 44	14 25	6 24
S 20	12 23	4 44	3 8	21 46	2 46	6 11	3 26	22 21	1 31	10 4	1 2	22 32	0 25	17 41	0 43	22 1	1 16	20 0	16 32	19 49	19 51	19 46	14 25	6 24
S 21	12 44	1n41	4 1	21 52	2 43	5 55	3 11	22 19	1 32	10 0	1 3	22 31	0 25	17 41	0 43	22 1	1 16	20 0	16 32	19 50	19 52	19 48	14 26	6 23
M22	13 4	8 12	4 39	21 55	2 39	5 39	2 56	22 16	1 34	9 57	1 3	22 31	0 25	17 41	0 43	22 1	1 16	20 1	16 32	19 52	19 53	19 51	14 26	6 23
T 23	13 25	14 22	4 58	21 55	2 33	5 25	2 42	22 13	1 36	9 53	1 3	22 30	0 25	17 41	0 43	22 1	1 16	20 1	16 32	19 55	19 54	19 53	14 26	6 22
W24	13 45	19 43	4 56	21 52	2 27	5 11	2 28	22 10	1 38	9 50	1 3	22 30	0 25	17 41	0 43	22 1	1 16	20 1	16 31	19 57	19 54	19 55	14 26	6 22
T 25	14 5	23 43	4 33	21 45	2 18	4 59	2 14	22 7	1 40	9 47	1 3	22 29	0 25	17 41	0 43	22 1	1 16	20 1	16 31	20 0	19 55	19 57	14 26	6 21
F 26	14 24	26 0	3 51	21 35	2 9	4 48	2 0	22 5	1 41	9 44	1 4	22 29	0 25	17 41	0 43	22 1	1 16	20 1	16 31	20 2	19 56	19 59	14 26	6 21
S 27	14 44	26 24	2 54	21 22	1 58	4 39	1 46	22 2	1 43	9 40	1 4	22 28	0 25	17 41	0 43	22 0	1 16	20 1	16 31	20 3	19 56	20 1	14 26	6 21
S 28	15 3	24 59	1 48	21 4	1 45	4 30	1 33	21 59	1 45	9 37	1 4	22 28	0 25	17 40	0 43	22 0	1 16	20 1	16 30	20 4	19 57	20 3	14 26	6 20
M29	15 22	22 6	0 38	20 42	1 30	4 23	1 20	21 57	1 47	9 34	1 4	22 27	0 25	17 40	0 43	22 0	1 16	20 1	16 30	20 4	19 58	20 5	14 26	6 20
T 30	15 40	18 6	0 s32	20 16	1 14	4 17	1 8	21 55	1 49	9 31	1 4	22 27	0 25	17 40	0 42	22 0	1 16	20 1	16 30	20 4	19 59	20 7	14 26	6 19
W31	15 s59	13n21	1 s39	19 s46	0 s57	4 s12	0 s55	21n52	1n51	9n28	1n 5	22 s26	0 s25	17 s40	0 s42	22n 0	1 s16	20 s 1	16 s29	20 s 4	19 s59	20 s 9	14 s26	6n19

Julian Day Number = 2115070.5, Delta T = 18m54s
Ecliptic obliquity = 23°33'37, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°53'53, Lahiri = 11°00'53 Julian Calendar 1 Oct. 1078 == Greg. Calendar 7 Oct. 1078

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1078
geocentric

NOVEMBER 1078 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 3 25	14♏32'44	2♍28	22°R54	8♎41	1♌12	8♍31	20♑20	13♒ 4	21°R 9	17°R38	0°R49	1♒10	11♏33	28♑13	T 1
F 2	3 7 22	15°33'24	14°46	21♏43	9° 1	1°30	8°40	20°25	13° 4	21♊ 8	17♓38	0♒45	1° 7	11°39	28°15	F 2
S 3	3 11 18	16°34'07	26°54	20°27	9°22	1°49	8°48	20°29	13° 5	21° 6	17°37	0°39	1° 4	11°46	28°17	S 3
S 4	3 15 15	17°34'51	8♎53	19° 6	9°46	2° 6	8°56	20°33	13° 6	21° 5	17°37	0°30	1° 1	11°53	28°20	S 4
M 5	3 19 11	18°35'36	20°48	17°44	10°11	2°23	9° 4	20°38	13° 7	21° 4	17°36	0°18	0°58	11°59	28°22	M 5
T 6	3 23 8	19°36'23	2♏41	16°23	10°38	2°40	9°12	20°42	13° 8	21° 2	17°36	0° 5	0°54	12° 6	28°24	T 6
W 7	3 27 5	20°37'12	14°33	15° 7	11° 7	2°56	9°20	20°47	13° 9	21° 1	17°35	29♑51	0°51	12°13	28°27	W 7
T 8	3 31 1	21°38'02	26°25	13°56	11°37	3°12	9°27	20°52	13°10	20°59	17°35	29°37	0°48	12°20	28°29	T 8
F 9	3 34 58	22°38'53	8♐20	12°55	12° 9	3°27	9°35	20°56	13°11	20°58	17°34	29°26	0°45	12°26	28°32	F 9
S 10	3 38 54	23°39'45	20°18	12° 3	12°42	3°42	9°42	21° 1	13°12	20°57	17°34	29°16	0°42	12°33	28°35	S 10
S 11	3 42 51	24°40'39	2♑21	11°23	13°17	3°56	9°49	21° 6	13°14	20°55	17°34	29°10	0°39	12°40	28°37	S 11
M12	3 46 47	25°41'33	14°32	10°54	13°53	4° 9	9°56	21°11	13°15	20°54	17°33	29° 6	0°35	12°47	28°40	M12
T 13	3 50 44	26°42'29	26°54	10°36	14°31	4°22	10° 3	21°16	13°16	20°52	17°33	29°D 5	0°32	12°53	28°43	T 13
W14	3 54 41	27°43'25	9♒31	10°D30	15°10	4°35	10°10	21°21	13°18	20°51	17°33	29° 6	0°29	13° 0	28°46	W14
T 15	3 58 37	28°44'22	22°27	10°34	15°50	4°47	10°16	21°27	13°19	20°49	17°32	29°R 6	0°26	13° 7	28°49	T 15
F 16	4 2 34	29°45'19	5♓45	10°48	16°31	4°58	10°23	21°32	13°20	20°47	17°32	29° 6	0°23	13°13	28°52	F 16
S 17	4 6 30	0♐46'18	19°29	11°12	17°13	5° 8	10°29	21°37	13°22	20°46	17°32	29° 5	0°19	13°20	28°55	S 17
S 18	4 10 27	1°47'17	3♈40	11°43	17°57	5°18	10°35	21°43	13°24	20°44	17°32	29° 1	0°16	13°27	28°58	S 18
M19	4 14 23	2°48'16	18°17	12°21	18°41	5°28	10°41	21°48	13°25	20°43	17°31	28°54	0°13	13°34	29° 1	M19
T 20	4 18 20	3°49'17	3♉16	13° 7	19°27	5°36	10°47	21°54	13°27	20°41	17°31	28°47	0°10	13°40	29° 4	T 20
W21	4 22 16	4°50'18	18°28	13°57	20°13	5°44	10°53	21°59	13°29	20°39	17°31	28°38	0° 7	13°47	29° 8	W21
T 22	4 26 13	5°51'20	3♊44	14°53	21° 1	5°52	10°58	22° 5	13°30	20°38	17°31	28°30	0° 4	13°54	29°11	T 22
F 23	4 30 10	6°52'22	18°52	15°54	21°49	5°58	11° 4	22°11	13°32	20°36	17°31	28°23	0° 0	14° 0	29°14	F 23
S 24	4 34 6	7°53'26	3♋43	16°58	22°39	6° 4	11° 9	22°16	13°34	20°35	17°31	28°18	29♑57	14° 7	29°18	S 24
S 25	4 38 3	8°54'31	18° 9	18° 5	23°29	6°10	11°14	22°22	13°36	20°33	17°31	28°15	29°54	14°14	29°21	S 25
M26	4 41 59	9°55'36	2♌ 7	19°16	24°20	6°14	11°19	22°28	13°38	20°31	17°D31	28°D15	29°51	14°21	29°25	M26
T 27	4 45 56	10°56'42	15°35	20°29	25°11	6°18	11°24	22°34	13°40	20°30	17°31	28°16	29°48	14°27	29°28	T 27
W28	4 49 52	11°57'49	28°37	21°44	26° 4	6°21	11°28	22°40	13°42	20°28	17°31	28°17	29°45	14°34	29°32	W28
T 29	4 53 49	12°58'57	11♍16	23° 1	26°57	6°24	11°33	22°46	13°44	20°26	17°31	28°R18	29°41	14°41	29°35	T 29
F 30	4 57 45	14♐ 0'05	23♍37	24♏20	27♎51	6♌25	11♍37	22♑52	13♒46	20♊25	17♓31	28♑18	29♑38	14♏48	29♑39	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s17	8n11	2s39	19s12	0s38	4s 8	0s44	21n50	1n53	9n25	1n 5	22s26	0s25	17s39	0s42	22n 0	1s16	20s 1	16s29	20s 5	20s 0	20s11	14s26	6n18
F 2	16 35	2 48	3 30	18 35	0 18	4 5	0 32	21 48	1 55	9 22	1 5	22 25	0 25	17 39	0 42	22 0	1 16	20 1	16 29	20 5	20 1	20 13	14 26	6 18
S 3	16 52	2s36	4 11	17 55	0n 2	4 3	0 21	21 46	1 57	9 19	1 5	22 24	0 25	17 39	0 42	22 0	1 16	20 0	16 28	20 7	20 1	20 15	14 26	6 18
S 4	17 10	7 50	4 40	17 13	0 23	4 2	0 10	21 44	1 59	9 16	1 6	22 24	0 25	17 39	0 42	22 0	1 16	20 0	16 28	20 9	20 2	20 17	14 26	6 17
M 5	17 27	12 44	4 57	16 31	0 43	4 2	0n 1	21 42	2 1	9 14	1 6	22 23	0 25	17 38	0 42	22 0	1 16	20 0	16 28	20 11	20 3	20 19	14 26	6 17
T 6	17 43	17 9	5 0	15 49	1 3	4 4	0 11	21 40	2 3	9 11	1 6	22 22	0 25	17 38	0 42	21 59	1 16	20 0	16 28	20 14	20 3	20 20	14 26	6 16
W 7	18 0	20 55	4 51	15 9	1 21	4 6	0 21	21 38	2 5	9 8	1 6	22 22	0 25	17 38	0 42	21 59	1 16	20 0	16 27	20 17	20 4	20 22	14 26	6 16
T 8	18 16	23 49	4 29	14 33	1 38	4 9	0 31	21 36	2 8	9 5	1 7	22 21	0 25	17 37	0 42	21 59	1 16	20 0	16 27	20 20	20 5	20 24	14 26	6 16
F 9	18 32	25 41	3 55	14 0	1 53	4 13	0 40	21 35	2 10	9 3	1 7	22 20	0 26	17 37	0 42	21 59	1 16	20 0	16 27	20 22	20 5	20 26	14 26	6 15
S 10	18 47	26 22	3 11	13 32	2 5	4 18	0 49	21 34	2 12	9 0	1 7	22 20	0 26	17 37	0 42	21 59	1 16	20 0	16 26	20 24	20 6	20 28	14 26	6 15
S 11	19 2	25 50	2 17	13 10	2 16	4 23	0 57	21 32	2 14	8 58	1 7	22 19	0 26	17 36	0 42	21 59	1 16	20 0	16 26	20 26	20 7	20 30	14 26	6 14
M12	19 17	24 2	1 17	12 53	2 24	4 30	1 6	21 31	2 16	8 55	1 8	22 18	0 26	17 36	0 42	21 59	1 16	19 59	16 26	20 26	20 8	20 32	14 25	6 14
T 13	19 31	21 4	0 12	12 41	2 31	4 37	1 14	21 30	2 19	8 53	1 8	22 17	0 26	17 35	0 42	21 59	1 16	19 59	16 25	20 27	20 8	20 34	14 25	6 14
W14	19 45	17 4	0n55	12 35	2 35	4 45	1 21	21 30	2 21	8 51	1 8	22 17	0 26	17 35	0 42	21 59	1 16	19 59	16 25	20 27	20 9	20 36	14 25	6 13
T 15	19 59	12 11	2 1	12 34	2 38	4 54	1 29	21 29	2 23	8 48	1 8	22 16	0 26	17 35	0 42	21 58	1 16	19 59	16 25	20 26	20 10	20 38	14 25	6 13
F 16	20 12	6 37	3 3	12 37	2 39	5 3	1 36	21 29	2 26	8 46	1 9	22 15	0 26	17 34	0 42	21 58	1 16	19 59	16 24	20 26	20 10	20 40	14 25	6 12
S 17	20 25	0 34	3 56	12 44	2 39	5 13	1 43	21 28	2 28	8 44	1 9	22 14	0 26	17 34	0 42	21 58	1 16	19 58	16 24	20 27	20 11	20 42	14 24	6 12
S 18	20 37	5n41	4 36	12 55	2 38	5 24	1 49	21 28	2 30	8 42	1 9	22 14	0 26	17 33	0 42	21 58	1 16	19 58	16 24	20 28	20 12	20 44	14 24	6 12
M19	20 50	11 49	5 0	13 9	2 35	5 35	1 55	21 28	2 33	8 40	1 9	22 13	0 26	17 33	0 42	21 58	1 16	19 58	16 23	20 29	20 12	20 45	14 24	6 11
T 20	21 1	17 25	5 4	13 26	2 32	5 47	2 1	21 28	2 35	8 38	1 10	22 12	0 26	17 32	0 42	21 58	1 16	19 58	16 23	20 31	20 13	20 47	14 24	6 11
W21	21 13	22 0	4 47	13 45	2 28	5 59	2 7	21 29	2 38	8 36	1 10	22 11	0 26	17 32	0 42	21 58	1 16	19 57	16 23	20 32	20 14	20 49	14 23	6 11
T 22	21 23	25 6	4 10	14 6	2 23	6 12	2 12	21 29	2 40	8 34	1 10	22 10	0 26	17 31	0 42	21 58	1 16	19 57	16 22	20 34	20 14	20 51	14 23	6 10
F 23	21 34	26 20	3 15	14 29	2 17	6 25	2 17	21 30	2 42	8 32	1 10	22 9	0 26	17 31	0 42	21 57	1 16	19 57	16 22	20 35	20 15	20 53	14 23	6 10
S 24	21 44	25 38	2 8	14 53	2 12	6 39	2 22	21 31	2 45	8 30	1 11	22 8	0 26	17 30	0 42	21 57	1 16	19 57	16 21	20 36	20 16	20 55	14 22	6 10
S 25	21 54	23 13	0 54	15 18	2 5	6 53	2 27	21 32	2 47	8 29	1 11	22 7	0 26	17 29	0 42	21 57	1 16	19 56	16 21	20 37	20 16	20 57	14 22	6 9
M26	22 3	19 27	0s21	15 44	1 59	7 8	2 31	21 33	2 50	8 27	1 11	22 6	0 26	17 29	0 42	21 57	1 16	19 56	16 21	20 37	20 17	20 58	14 21	6 9
T 27	22 12	14 47	1 32	16 10	1 52	7 23	2 35	21 34	2 53	8 26	1 11	22 6	0 26	17 28	0 42	21 57	1 16	19 56	16 20	20 37	20 18	21 0	14 21	6 9
W28	22 20	9 34	2 36	16 37	1 44	7 39	2 39	21 36	2 55	8 24	1 12	22 5	0 26	17 28	0 42	21 57	1 16	19 55	16 20	20 36	20 18	21 2	14 21	6 8
T 29	22 28	4 7	3 31	17 3	1 37	7 54	2 43	21 38	2 58	8 23	1 12	22 4	0 26	17 27	0 42	21 57	1 16	19 55	16 20	20 36	20 19	21 4	14 20	6 8
F 30	22s36	1s21	4s14	17s30	1n30	8s11	2n46	21n40	3n 0	8n21	1n12	22s 3	0s26	17s26	0s42	21n57	1s16	19s55	16s19	20s36	20s20	21s 6	14s20	6n 8

Julian Day Number = 2115101.5, Delta T = 18m54s
Ecliptic obliquity = 23°33'36, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°53'57, Lahiri = 11°00'57 Julian Calendar 1 Nov. 1078 == Greg. Calendar 7 Nov. 1078

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1078
geocentric

DECEMBER 1078 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 1 42	15♐ 1'15	5♎43	25♏41	28♎46	6♌26	11♍41	22♑58	13♒48	20°R23	17♓31	28°R15	29♑35	14♏54	29♑43	S 1
S 2	5 5 39	16° 2'25	17°40	27° 2	29°41	6°R26	11°45	23° 4	13°50	20♊21	17°31	28♑11	29°32	15° 1	29°47	S 2
M 3	5 9 35	17° 3'35	29°33	28°25	0♏37	6°26	11°48	23°11	13°52	20°19	17°32	28° 5	29°29	15° 8	29°50	M 3
T 4	5 13 32	18° 4'47	11♏24	29°49	1°33	6°24	11°52	23°17	13°55	20°18	17°32	27°57	29°25	15°14	29°54	T 4
W 5	5 17 28	19° 5'59	23°16	1♐14	2°30	6°22	11°55	23°23	13°57	20°16	17°32	27°49	29°22	15°21	29°58	W 5
T 6	5 21 25	20° 7'11	5♐11	2°40	3°28	6°19	11°58	23°30	13°59	20°14	17°32	27°42	29°19	15°28	0♒ 2	T 6
F 7	5 25 21	21° 8'24	17°12	4° 6	4°26	6°15	12° 1	23°36	14° 2	20°13	17°32	27°35	29°16	15°35	0° 6	F 7
S 8	5 29 18	22° 9'37	29°20	5°33	5°24	6°10	12° 4	23°43	14° 4	20°11	17°33	27°30	29°13	15°41	0°10	S 8
S 9	5 33 14	23°10'50	11♑36	7° 1	6°23	6° 4	12° 7	23°49	14° 7	20° 9	17°33	27°27	29°10	15°48	0°14	S 9
M10	5 37 11	24°12'03	24° 1	8°29	7°23	5°58	12° 9	23°56	14° 9	20° 8	17°33	27°D26	29° 6	15°55	0°18	M10
T 11	5 41 8	25°13'16	6♒36	9°58	8°23	5°51	12°11	24° 2	14°12	20° 6	17°34	27°26	29° 3	16° 1	0°22	T 11
W12	5 45 4	26°14'29	19°25	11°27	9°23	5°43	12°13	24° 9	14°14	20° 4	17°34	27°27	29° 0	16° 8	0°26	W12
T 13	5 49 1	27°15'42	2♓28	12°56	10°24	5°34	12°15	24°16	14°17	20° 2	17°34	27°29	28°57	16°15	0°31	T 13
F 14	5 52 57	28°16'55	15°48	14°27	11°25	5°24	12°17	24°22	14°19	20° 1	17°35	27°30	28°54	16°22	0°35	F 14
S 15	5 56 54	29°18'07	29°27	15°57	12°27	5°14	12°18	24°29	14°22	19°59	17°35	27°R31	28°51	16°28	0°39	S 15
S 16	6 0 50	0♑19'19	13♈26	17°28	13°29	5° 2	12°19	24°36	14°25	19°57	17°36	27°30	28°47	16°35	0°43	S 16
M17	6 4 47	1°20'30	27°45	18°59	14°31	4°50	12°20	24°42	14°27	19°56	17°36	27°28	28°44	16°42	0°48	M17
T 18	6 8 43	2°21'41	12♉20	20°31	15°34	4°37	12°21	24°49	14°30	19°54	17°37	27°25	28°41	16°48	0°52	T 18
W19	6 12 40	3°22'51	27° 8	22° 3	16°37	4°24	12°22	24°56	14°33	19°52	17°37	27°22	28°38	16°55	0°56	W19
T 20	6 16 37	4°24'02	12♊ 1	23°36	17°41	4° 9	12°23	25° 3	14°36	19°51	17°38	27°19	28°35	17° 2	1° 1	T 20
F 21	6 20 33	5°25'11	26°52	25° 9	18°44	3°54	12°23	25°10	14°39	19°49	17°38	27°16	28°31	17° 9	1° 5	F 21
S 22	6 24 30	6°26'21	11♋31	26°42	19°48	3°38	12°R23	25°17	14°42	19°48	17°39	27°14	28°28	17°15	1° 9	S 22
S 23	6 28 26	7°27'30	25°53	28°16	20°53	3°22	12°23	25°24	14°44	19°46	17°40	27°D13	28°25	17°22	1°14	S 23
M24	6 32 23	8°28'39	9♌52	29°51	21°57	3° 4	12°23	25°31	14°47	19°44	17°40	27°14	28°22	17°29	1°18	M24
T 25	6 36 19	9°29'47	23°27	1♑25	23° 2	2°46	12°22	25°38	14°50	19°43	17°41	27°15	28°19	17°35	1°23	T 25
W26	6 40 16	10°30'55	6♍36	3° 1	24° 7	2°28	12°22	25°45	14°53	19°41	17°42	27°16	28°16	17°42	1°27	W26
T 27	6 44 13	11°32'03	19°22	4°36	25°13	2° 8	12°21	25°52	14°56	19°40	17°42	27°18	28°12	17°49	1°32	T 27
F 28	6 48 9	12°33'10	1♎48	6°13	26°18	1°49	12°20	25°59	14°59	19°38	17°43	27°19	28° 9	17°56	1°36	F 28
S 29	6 52 6	13°34'18	13°58	7°49	27°24	1°28	12°18	26° 6	15° 2	19°37	17°44	27°R19	28° 6	18° 2	1°41	S 29
S 30	6 56 2	14°35'25	25°57	9°27	28°31	1° 7	12°17	26°13	15° 6	19°35	17°45	27°19	28° 3	18° 9	1°46	S 30
M31	6 59 59	15♑36'31	7♏50	11♑ 5	29♏37	0♌46	12♍15	26♑20	15♒ 9	19♊34	17♓45	27♑18	28♑ 0	18♏16	1♒50	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	22s43	6s39	4s46	17s57	1n22	8s27	2n49	21n42	3n 3	8n20	1n12	22s 2	0s27	17s26	0s41	21n57	1s16	19s54	16s19	20s37	20s20	21s 8	14s19	6n 7	S 1
S 2	22 49	11 39	5 4	18 23	1 14	8 44	2 52	21 45	3 5	8 19	1 13	22 1	0 27	17 25	0 41	21 56	1 16	19 54	16 19	20 38	20 21	21 9	14 19	6 7	S 2
M 3	22 56	16 10	5 9	18 49	1 7	9 1	2 55	21 48	3 8	8 18	1 13	22 0	0 27	17 24	0 41	21 56	1 16	19 53	16 18	20 39	20 22	21 11	14 18	6 7	M 3
T 4	23 1	20 5	5 1	19 15	0 59	9 18	2 58	21 50	3 11	8 17	1 13	21 59	0 27	17 24	0 41	21 56	1 16	19 53	16 18	20 41	20 22	21 13	14 18	6 7	T 4
W 5	23 7	23 11	4 39	19 40	0 51	9 35	3 0	21 54	3 13	8 16	1 14	21 58	0 27	17 23	0 41	21 56	1 16	19 53	16 18	20 42	20 23	21 15	14 17	6 6	W 5
T 6	23 11	25 18	4 6	20 5	0 44	9 53	3 2	21 57	3 16	8 15	1 14	21 57	0 27	17 22	0 41	21 56	1 16	19 52	16 17	20 44	20 24	21 16	14 17	6 6	T 6
F 7	23 16	26 17	3 21	20 29	0 36	10 10	3 4	22 0	3 19	8 14	1 14	21 56	0 27	17 22	0 41	21 56	1 16	19 52	16 17	20 45	20 24	21 18	14 16	6 6	F 7
S 8	23 20	26 1	2 27	20 52	0 28	10 28	3 6	22 4	3 21	8 13	1 14	21 54	0 27	17 21	0 41	21 56	1 16	19 51	16 17	20 46	20 25	21 20	14 16	6 6	S 8
S 9	23 23	24 28	1 25	21 15	0 21	10 46	3 7	22 8	3 24	8 12	1 15	21 53	0 27	17 20	0 41	21 56	1 16	19 51	16 16	20 47	20 26	21 22	14 15	6 5	S 9
M10	23 26	21 43	0 19	21 37	0 13	11 4	3 9	22 12	3 26	8 12	1 15	21 52	0 27	17 19	0 41	21 55	1 16	19 50	16 16	20 47	20 26	21 24	14 14	6 5	M10
T 11	23 28	17 55	0n50	21 58	0 6	11 22	3 10	22 17	3 29	8 11	1 15	21 51	0 27	17 19	0 41	21 55	1 16	19 50	16 16	20 47	20 27	21 25	14 14	6 5	T 11
W12	23 30	13 13	1 57	22 17	0s 1	11 40	3 11	22 21	3 32	8 10	1 16	21 50	0 27	17 18	0 41	21 55	1 16	19 50	16 15	20 46	20 28	21 27	14 13	6 5	W12
T 13	23 32	7 51	3 0	22 36	0 9	11 59	3 12	22 26	3 34	8 10	1 16	21 49	0 27	17 17	0 41	21 55	1 16	19 49	16 15	20 46	20 28	21 29	14 13	6 4	T 13
F 14	23 33	2 1	3 55	22 54	0 16	12 17	3 12	22 31	3 37	8 10	1 16	21 48	0 27	17 16	0 41	21 55	1 16	19 49	16 14	20 46	20 29	21 31	14 12	6 4	F 14
S 15	23 33	4n 1	4 37	23 11	0 23	12 35	3 13	22 36	3 39	8 9	1 16	21 47	0 27	17 16	0 41	21 55	1 16	19 48	16 14	20 46	20 30	21 32	14 11	6 4	S 15
S 16	23 34	10 0	5 4	23 27	0 29	12 53	3 13	22 41	3 42	8 9	1 17	21 46	0 27	17 15	0 41	21 55	1 16	19 48	16 14	20 46	20 30	21 34	14 11	6 4	S 16
M17	23 33	15 36	5 14	23 42	0 36	13 12	3 13	22 46	3 44	8 9	1 17	21 44	0 27	17 14	0 41	21 55	1 16	19 47	16 13	20 46	20 31	21 36	14 10	6 3	M17
T 18	23 32	20 25	5 3	23 55	0 42	13 30	3 13	22 52	3 47	8 9	1 17	21 43	0 27	17 13	0 41	21 55	1 16	19 47	16 13	20 47	20 32	21 37	14 9	6 3	T 18
W19	23 31	24 2	4 33	24 8	0 49	13 48	3 13	22 58	3 49	8 9	1 18	21 42	0 27	17 12	0 41	21 54	1 16	19 46	16 13	20 48	20 32	21 39	14 8	6 3	W19
T 20	23 29	26 2	3 44	24 19	0 55	14 6	3 13	23 3	3 51	8 9	1 18	21 41	0 28	17 11	0 41	21 54	1 16	19 46	16 12	20 48	20 33	21 41	14 8	6 3	T 20
F 21	23 27	26 11	2 40	24 29	1 1	14 24	3 13	23 9	3 54	8 9	1 18	21 40	0 28	17 11	0 41	21 54	1 16	19 45	16 12	20 49	20 34	21 43	14 7	6 3	F 21
S 22	23 24	24 29	1 26	24 37	1 6	14 42	3 12	23 15	3 56	8 9	1 19	21 38	0 28	17 10	0 41	21 54	1 16	19 44	16 12	20 49	20 34	21 44	14 6	6 3	S 22
S 23	23 21	21 12	0 7	24 45	1 12	14 59	3 11	23 22	3 58	8 10	1 19	21 37	0 28	17 9	0 41	21 54	1 16	19 44	16 11	20 49	20 35	21 46	14 5	6 2	S 23
M24	23 17	16 45	1s 9	24 51	1 17	15 17	3 10	23 28	4 0	8 10	1 19	21 36	0 28	17 8	0 41	21 54	1 16	19 43	16 11	20 49	20 36	21 48	14 5	6 2	M24
T 25	23 13	11 34	2 20	24 55	1 22	15 34	3 9	23 34	4 2	8 10	1 19	21 35	0 28	17 7	0 41	21 54	1 16	19 43	16 11	20 49	20 36	21 49	14 4	6 2	T 25
W26	23 8	6 2	3 21	24 59	1 27	15 51	3 8	23 40	4 4	8 11	1 20	21 33	0 28	17 6	0 41	21 54	1 16	19 42	16 10	20 49	20 37	21 51	14 3	6 2	W26
T 27	23 3	0 24	4 10	25 0	1 32	16 8	3 7	23 47	4 6	8 12	1 20	21 32	0 28	17 5	0 41	21 54	1 16	19 42	16 10	20 48	20 37	21 53	14 2	6 2	T 27
F 28	22 58	5s 5	4 46	25 1	1 36	16 25	3 6	23 53	4 8	8 12	1 20	21 31	0 28	17 4	0 41	21 54	1 16	19 41	16 10	20 48	20 38	21 54	14 1	6 2	F 28
S 29	22 52	10 15	5 8	25 0	1 40	16 41	3 4	24 0	4 10	8 13	1 21	21 30	0 28	17 3	0 41	21 54	1 16	19 40	16 10	20 48	20 39	21 56	14 0	6 1	S 29
S 30	22 45	14 58	5 16	24 57	1 44	16 57	3 3	24 6	4 12	8 14	1 21	21 28	0 28	17 2	0 41	21 53	1 16	19 40	16 9	20 48	20 39	21 57	14 0	6 1	S 30
M31	22s39	19s 5	5s11	24s53	1s47	17s13	3n 1	24n12	4n13	8n15	1n21	21s27	0s28	17s 2	0s41	21n53	1s16	19s39	16s 9	20s48	20s40	21s59	13s59	6n 1	M31

Julian Day Number = 2115131.5, Delta T = 18m53s
Ecliptic obliquity = 23°33'35, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°54'01, Lahiri = 11°01'01 Julian Calendar 1 Dec. 1078 == Greg. Calendar 7 Dec. 1078

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1079
geocentric

JANUARY 1079 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 3 55	16♉37'37	19♏41	12♉43	0♐44	0°R24	12°R14	26♉27	15♒12	19°R32	17♓46	27°R16	27♉57	18♏22	1♒55	T 1
W 2	7 7 52	17°38'43	1♐34	14°22	1°50	0♌ 2	12♍12	26°34	15°15	19♊31	17°47	27♉15	27°53	18°29	1°59	W 2
T 3	7 11 48	18°39'48	13°33	16° 2	2°57	29♋39	12° 9	26°42	15°18	19°29	17°48	27°13	27°50	18°36	2° 4	T 3
F 4	7 15 45	19°40'52	25°41	17°42	4° 5	29°16	12° 7	26°49	15°21	19°28	17°49	27°12	27°47	18°43	2° 9	F 4
S 5	7 19 42	20°41'56	7♉59	19°23	5°12	28°53	12° 5	26°56	15°25	19°26	17°50	27°12	27°44	18°49	2°13	S 5
S 6	7 23 38	21°42'59	20°30	21° 4	6°20	28°29	12° 2	27° 3	15°28	19°25	17°51	27°11	27°41	18°56	2°18	S 6
M 7	7 27 35	22°44'01	3♒14	22°46	7°27	28° 5	11°59	27°10	15°31	19°24	17°52	27°D11	27°37	19° 3	2°23	M 7
T 8	7 31 31	23°45'02	16°11	24°29	8°35	27°41	11°56	27°17	15°34	19°22	17°53	27°11	27°34	19° 9	2°28	T 8
W 9	7 35 28	24°46'02	29°22	26°12	9°43	27°17	11°52	27°25	15°38	19°21	17°54	27°12	27°31	19°16	2°32	W 9
T 10	7 39 24	25°47'01	12♓45	27°56	10°52	26°53	11°49	27°32	15°41	19°20	17°55	27°12	27°28	19°23	2°37	T 10
F 11	7 43 21	26°47'58	26°22	29°41	12° 0	26°29	11°45	27°39	15°44	19°18	17°56	27°R12	27°25	19°30	2°42	F 11
S 12	7 47 17	27°48'54	10♈10	1♒26	13° 9	26° 5	11°41	27°46	15°48	19°17	17°57	27°12	27°22	19°36	2°46	S 12
S 13	7 51 14	28°49'49	24° 9	3°12	14°17	25°41	11°37	27°53	15°51	19°16	17°58	27°D12	27°18	19°43	2°51	S 13
M14	7 55 11	29°50'42	8♉17	4°58	15°26	25°17	11°33	28° 1	15°54	19°15	17°59	27°12	27°15	19°50	2°56	M14
T 15	7 59 7	0♒51'34	22°34	6°45	16°35	24°54	11°29	28° 8	15°58	19°13	18° 0	27°12	27°12	19°56	3° 1	T 15
W16	8 3 4	1°52'24	6♊56	8°32	17°44	24°30	11°24	28°15	16° 1	19°12	18° 1	27°13	27° 9	20° 3	3° 5	W16
T 17	8 7 0	2°53'13	21°19	10°19	18°53	24° 7	11°20	28°22	16° 4	19°11	18° 2	27°13	27° 6	20°10	3°10	T 17
F 18	8 10 57	3°54'00	5♋40	12° 7	20° 3	23°44	11°15	28°29	16° 8	19°10	18° 3	27°14	27° 3	20°17	3°15	F 18
S 19	8 14 53	4°54'46	19°54	13°55	21°12	23°22	11°10	28°36	16°11	19° 9	18° 4	27°14	26°59	20°23	3°19	S 19
S 20	8 18 50	5°55'31	3♌56	15°43	22°22	23° 0	11° 5	28°44	16°15	19° 8	18° 5	27°R14	26°56	20°30	3°24	S 20
M21	8 22 46	6°56'14	17°42	17°31	23°31	22°38	10°59	28°51	16°18	19° 7	18° 7	27°13	26°53	20°37	3°29	M21
T 22	8 26 43	7°56'55	1♍10	19°18	24°41	22°17	10°54	28°58	16°21	19° 6	18° 8	27°12	26°50	20°43	3°34	T 22
W23	8 30 40	8°57'36	14°17	21° 5	25°51	21°56	10°48	29° 5	16°25	19° 5	18° 9	27°11	26°47	20°50	3°38	W23
T 24	8 34 36	9°58'15	27° 5	22°51	27° 1	21°36	10°43	29°12	16°28	19° 4	18°10	27° 9	26°43	20°57	3°43	T 24
F 25	8 38 33	10°58'52	9♎34	24°35	28°11	21°16	10°37	29°19	16°32	19° 3	18°11	27° 7	26°40	21° 4	3°48	F 25
S 26	8 42 29	11°59'29	21°48	26°18	29°21	20°57	10°31	29°26	16°35	19° 2	18°13	27° 6	26°37	21°10	3°52	S 26
S 27	8 46 26	13° 0'04	3♏50	27°59	0♑31	20°39	10°25	29°33	16°39	19° 1	18°14	27° 5	26°34	21°17	3°57	S 27
M28	8 50 22	14° 0'38	15°44	29°38	1°42	20°21	10°18	29°41	16°42	19° 0	18°15	27°D 4	26°31	21°24	4° 2	M28
T 29	8 54 19	15° 1'11	27°36	1♓13	2°52	20° 4	10°12	29°48	16°46	18°59	18°16	27° 5	26°28	21°30	4° 7	T 29
W30	8 58 15	16° 1'42	9♐29	2°45	4° 3	19°48	10° 6	29°55	16°49	18°59	18°18	27° 6	26°24	21°37	4°11	W30
T 31	9 2 12	17♒ 2'12	21♐30	4♓13	5♑13	19♋32	9♍59	0♒ 2	16♒53	18♊58	18♓19	27♉ 8	26♉21	21♏44	4♒16	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	22s31	22s26	4s53	24s47	1s51	17s29	2n59	24n19	4n15	8n16	1n21	21s26	0s28	17s 1	0s41	21n53	1s16	19s39	16s 9	20s49	20s41	22s 1	13s58	6n 1	T 1
W 2	22 23	24 51	4 22	24 40	1 53	17 44	2 57	24 25	4 16	8 17	1 22	21 25	0 28	17 0	0 41	21 53	1 16	19 38	16 8	20 49	20 41	22 2	13 57	6 1	W 2
T 3	22 15	26 10	3 39	24 31	1 56	17 59	2 55	24 31	4 18	8 18	1 22	21 23	0 28	16 59	0 41	21 53	1 16	19 37	16 8	20 49	20 42	22 4	13 56	6 1	T 3
F 4	22 6	26 15	2 46	24 20	1 58	18 14	2 53	24 38	4 19	8 19	1 22	21 22	0 28	16 58	0 41	21 53	1 16	19 37	16 8	20 49	20 43	22 6	13 55	6 1	F 4
S 5	21 57	25 3	1 44	24 8	2 0	18 28	2 51	24 44	4 20	8 20	1 23	21 21	0 29	16 57	0 41	21 53	1 16	19 36	16 7	20 50	20 43	22 7	13 54	6 1	S 5
S 6	21 48	22 36	0 37	23 54	2 2	18 42	2 49	24 50	4 21	8 21	1 23	21 19	0 29	16 56	0 41	21 53	1 16	19 36	16 7	20 50	20 44	22 9	13 53	6 1	S 6
M 7	21 38	18 59	0n33	23 39	2 3	18 56	2 46	24 56	4 22	8 23	1 23	21 18	0 29	16 55	0 41	21 53	1 15	19 35	16 7	20 50	20 44	22 10	13 52	6 1	M 7
T 8	21 28	14 25	1 43	23 21	2 3	19 9	2 44	25 2	4 23	8 24	1 23	21 17	0 29	16 54	0 41	21 53	1 15	19 34	16 7	20 50	20 45	22 12	13 51	6 0	T 8
W 9	21 17	9 7	2 49	23 2	2 4	19 22	2 41	25 7	4 24	8 26	1 24	21 15	0 29	16 53	0 41	21 53	1 15	19 34	16 6	20 50	20 46	22 13	13 50	6 0	W 9
T 10	21 6	3 19	3 47	22 42	2 4	19 34	2 39	25 13	4 25	8 27	1 24	21 14	0 29	16 52	0 41	21 53	1 15	19 33	16 6	20 49	20 46	22 15	13 49	6 0	T 10
F 11	20 54	2n43	4 33	22 19	2 3	19 46	2 36	25 18	4 25	8 29	1 24	21 13	0 29	16 51	0 41	21 52	1 15	19 32	16 6	20 49	20 47	22 17	13 48	6 0	F 11
S 12	20 42	8 41	5 3	21 55	2 2	19 58	2 33	25 23	4 26	8 31	1 24	21 11	0 29	16 50	0 41	21 52	1 15	19 32	16 5	20 49	20 48	22 18	13 47	6 0	S 12
S 13	20 30	14 18	5 17	21 30	2 0	20 9	2 30	25 28	4 26	8 33	1 25	21 10	0 29	16 49	0 41	21 52	1 15	19 31	16 5	20 49	20 48	22 20	13 46	6 0	S 13
M14	20 17	19 14	5 11	21 2	1 58	20 19	2 27	25 33	4 26	8 34	1 25	21 8	0 29	16 48	0 41	21 52	1 15	19 30	16 5	20 49	20 49	22 21	13 45	6 0	M14
T 15	20 4	23 7	4 47	20 33	1 56	20 29	2 24	25 37	4 26	8 36	1 25	21 7	0 29	16 47	0 41	21 52	1 15	19 30	16 5	20 49	20 49	22 23	13 44	6 0	T 15
W16	19 51	25 35	4 4	20 2	1 53	20 39	2 21	25 42	4 26	8 38	1 25	21 6	0 29	16 46	0 41	21 52	1 15	19 29	16 4	20 49	20 50	22 24	13 43	6 0	W16
T 17	19 37	26 22	3 6	19 29	1 49	20 48	2 18	25 46	4 26	8 40	1 26	21 4	0 29	16 45	0 41	21 52	1 15	19 28	16 4	20 49	20 51	22 26	13 42	6 0	T 17
F 18	19 23	25 23	1 57	18 55	1 44	20 57	2 15	25 50	4 26	8 42	1 26	21 3	0 29	16 44	0 41	21 52	1 15	19 28	16 4	20 49	20 51	22 27	13 41	6 0	F 18
S 19	19 8	22 45	0 41	18 19	1 39	21 5	2 12	25 53	4 26	8 44	1 26	21 1	0 30	16 43	0 41	21 52	1 15	19 27	16 4	20 49	20 52	22 29	13 40	6 0	S 19
S 20	18 53	18 46	0s37	17 42	1 34	21 12	2 8	25 57	4 25	8 47	1 26	21 0	0 30	16 42	0 41	21 52	1 15	19 26	16 3	20 49	20 53	22 30	13 39	6 0	S 20
M21	18 38	13 51	1 51	17 3	1 27	21 19	2 5	26 0	4 25	8 49	1 27	20 59	0 30	16 41	0 41	21 52	1 15	19 26	16 3	20 49	20 53	22 32	13 38	6 0	M21
T 22	18 22	8 21	2 57	16 23	1 20	21 26	2 2	26 3	4 24	8 51	1 27	20 57	0 30	16 40	0 41	21 52	1 15	19 25	16 3	20 49	20 54	22 33	13 37	6 0	T 22
W23	18 6	2 39	3 52	15 41	1 13	21 32	1 58	26 6	4 24	8 54	1 27	20 56	0 30	16 39	0 41	21 52	1 15	19 24	16 3	20 50	20 54	22 35	13 36	6 0	W23
T 24	17 50	3s 1	4 34	14 59	1 4	21 37	1 55	26 8	4 23	8 56	1 27	20 54	0 30	16 38	0 41	21 52	1 15	19 24	16 3	20 50	20 55	22 36	13 35	6 0	T 24
F 25	17 34	8 25	5 1	14 15	0 55	21 42	1 51	26 11	4 22	8 58	1 28	20 53	0 30	16 36	0 41	21 52	1 15	19 23	16 2	20 50	20 56	22 38	13 34	6 0	F 25
S 26	17 17	13 23	5 15	13 31	0 45	21 46	1 48	26 13	4 21	9 1	1 28	20 52	0 30	16 35	0 41	21 52	1 15	19 22	16 2	20 51	20 56	22 39	13 32	6 0	S 26
S 27	17 0	17 46	5 14	12 46	0 34	21 50	1 44	26 15	4 20	9 3	1 28	20 50	0 30	16 34	0 41	21 52	1 15	19 22	16 2	20 51	20 57	22 41	13 31	6 0	S 27
M28	16 42	21 24	4 59	12 1	0 23	21 53	1 40	26 16	4 19	9 6	1 28	20 49	0 30	16 33	0 41	21 52	1 15	19 21	16 2	20 51	20 57	22 42	13 30	6 0	M28
T 29	16 25	24 8	4 32	11 16	0 11	21 55	1 37	26 18	4 18	9 9	1 28	20 47	0 30	16 32	0 41	21 52	1 15	19 20	16 2	20 51	20 58	22 44	13 29	6 0	T 29
W30	16 7	25 50	3 54	10 31	0n 2	21 57	1 33	26 19	4 16	9 11	1 29	20 46	0 30	16 31	0 41	21 52	1 15	19 20	16 1	20 51	20 59	22 45	13 28	6 1	W30
T 31	15s48	26s21	3s 4	9s47	0n15	21s58	1n29	26n20	4n15	9n14	1n29	20s45	0s31	16s30	0s41	21n52	1s15	19s19	16s 1	20s50	20s59	22s46	13s27	6n 1	T 31

Julian Day Number = 2115162.5, Delta T = 18m53s
Ecliptic obliquity = 23°33'35, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°54'05, Lahiri = 11°01'06 Julian Calendar 1 Jan. 1079 == Greg. Calendar 7 Jan. 1079

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1079
geocentric

FEBRUARY 1079 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 6 9	18♒ 2'41	3♉41	5♓36	6♉24	19°R17	9°R52	0♒ 9	16♒56	18°R57	18♓20	27♉ 9	26♉18	21♏51	4♒20	F 1
S 2	9 10 5	19° 3'08	16° 7	6°53	7°35	19♋ 3	9♍45	0°16	17° 0	18♊56	18°22	27°11	26°15	21°57	4°25	S 2
S 3	9 14 2	20° 3'34	28°50	8° 5	8°46	18°49	9°39	0°23	17° 3	18°56	18°23	27°R11	26°12	22° 4	4°30	S 3
M 4	9 17 58	21° 3'58	11♒52	9° 9	9°57	18°36	9°31	0°29	17° 6	18°55	18°24	27°10	26° 9	22°11	4°34	M 4
T 5	9 21 55	22° 4'20	25°12	10° 6	11° 8	18°24	9°24	0°36	17°10	18°55	18°26	27° 8	26° 5	22°17	4°39	T 5
W 6	9 25 51	23° 4'40	8♓49	10°55	12°19	18°13	9°17	0°43	17°13	18°54	18°27	27° 5	26° 2	22°24	4°43	W 6
T 7	9 29 48	24° 4'59	22°41	11°36	13°30	18° 3	9°10	0°50	17°17	18°54	18°29	27° 1	25°59	22°31	4°48	T 7
F 8	9 33 44	25° 5'15	6♈44	12° 8	14°41	17°53	9° 3	0°57	17°20	18°53	18°30	26°57	25°56	22°38	4°52	F 8
S 9	9 37 41	26° 5'30	20°54	12°30	15°52	17°45	8°55	1° 4	17°24	18°53	18°31	26°53	25°53	22°44	4°57	S 9
S 10	9 41 38	27° 5'42	5♉ 7	12°43	17° 3	17°37	8°48	1°10	17°27	18°52	18°33	26°50	25°49	22°51	5° 1	S 10
M11	9 45 34	28° 5'53	19°20	12°R47	18°15	17°29	8°40	1°17	17°31	18°52	18°34	26°48	25°46	22°58	5° 6	M11
T 12	9 49 31	29° 6'01	3♊31	12°41	19°26	17°23	8°32	1°24	17°34	18°51	18°36	26°D48	25°43	23° 4	5°10	T 12
W13	9 53 27	0♓ 6'07	17°37	12°26	20°37	17°17	8°25	1°30	17°37	18°51	18°37	26°49	25°40	23°11	5°15	W13
T 14	9 57 24	1° 6'11	1♋37	12° 2	21°49	17°13	8°17	1°37	17°41	18°51	18°39	26°50	25°37	23°18	5°19	T 14
F 15	10 1 20	2° 6'13	15°30	11°30	23° 0	17° 8	8° 9	1°43	17°44	18°51	18°40	26°52	25°34	23°24	5°23	F 15
S 16	10 5 17	3° 6'12	29°15	10°51	24°12	17° 5	8° 2	1°50	17°48	18°50	18°41	26°R52	25°30	23°31	5°28	S 16
S 17	10 9 13	4° 6'10	12♌49	10° 5	25°24	17° 3	7°54	1°56	17°51	18°50	18°43	26°51	25°27	23°38	5°32	S 17
M18	10 13 10	5° 6'05	26°13	9°14	26°35	17° 1	7°46	2° 3	17°54	18°50	18°44	26°48	25°24	23°45	5°36	M18
T 19	10 17 7	6° 5'58	9♍23	8°20	27°47	17° 0	7°38	2° 9	17°58	18°50	18°46	26°43	25°21	23°51	5°40	T 19
W20	10 21 3	7° 5'49	22°18	7°23	28°59	17°D 0	7°31	2°16	18° 1	18°50	18°47	26°36	25°18	23°58	5°45	W20
T 21	10 25 0	8° 5'38	4♎59	6°24	0♒10	17° 0	7°23	2°22	18° 4	18°50	18°49	26°29	25°15	24° 5	5°49	T 21
F 22	10 28 56	9° 5'26	17°25	5°26	1°22	17° 2	7°15	2°28	18° 8	18°D50	18°50	26°21	25°11	24°11	5°53	F 22
S 23	10 32 53	10° 5'11	29°38	4°29	2°34	17° 3	7° 7	2°34	18°11	18°50	18°52	26°14	25° 8	24°18	5°57	S 23
S 24	10 36 49	11° 4'55	11♏39	3°34	3°46	17° 6	6°59	2°41	18°14	18°50	18°53	26° 8	25° 5	24°25	6° 1	S 24
M25	10 40 46	12° 4'37	23°34	2°43	4°58	17° 9	6°52	2°47	18°17	18°50	18°55	26° 4	25° 2	24°32	6° 5	M25
T 26	10 44 42	13° 4'17	5♐25	1°56	6°10	17°13	6°44	2°53	18°21	18°50	18°56	26° 2	24°59	24°38	6° 9	T 26
W27	10 48 39	14° 3'56	17°17	1°14	7°22	17°18	6°36	2°59	18°24	18°50	18°58	26°D 2	24°55	24°45	6°13	W27
T 28	10 52 36	15♓ 3'33	29♐17	0♓37	8♒34	17♋23	6♍28	3♒ 5	18♒27	18♊50	18♓59	26♉ 3	24♉52	24♏52	6♒17	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	15s30	25s36	2s 6	9s 3	0n29	21s59	1n26	26n21	4n14	9n17	1n29	20s43	0s31	16s29	0s41	21n52	1s14	19s18	16s 1	20s50	21s 0	22s48	13s26	6n 1	F 1
S 2	15 11	23 35	1 1	8 21	0 44	21 59	1 22	26 22	4 12	9 19	1 29	20 42	0 31	16 28	0 41	21 52	1 14	19 18	16 1	20 50	21 0	22 49	13 25	6 1	S 2
S 3	14 52	20 21	0n 9	7 41	0 58	21 58	1 18	26 22	4 11	9 22	1 29	20 40	0 31	16 27	0 41	21 52	1 14	19 17	16 1	20 50	21 1	22 51	13 23	6 1	S 3
M 4	14 33	16 2	1 20	7 3	1 13	21 57	1 15	26 22	4 9	9 25	1 29	20 39	0 31	16 26	0 41	21 52	1 14	19 16	16 1	20 50	21 2	22 52	13 22	6 1	M 4
T 5	14 13	10 52	2 28	6 27	1 29	21 55	1 11	26 23	4 8	9 28	1 30	20 38	0 31	16 25	0 41	21 52	1 14	19 16	16 0	20 50	21 2	22 54	13 21	6 1	T 5
W 6	13 54	5 5	3 29	5 54	1 44	21 52	1 7	26 22	4 6	9 31	1 30	20 36	0 31	16 24	0 41	21 52	1 14	19 15	16 0	20 51	21 3	22 55	13 20	6 1	W 6
T 7	13 34	1n 2	4 19	5 25	1 59	21 49	1 3	26 22	4 4	9 34	1 30	20 35	0 31	16 23	0 41	21 52	1 14	19 14	16 0	20 52	21 3	22 56	13 19	6 1	T 7
F 8	13 13	7 10	4 54	4 59	2 14	21 45	1 0	26 22	4 3	9 37	1 30	20 33	0 31	16 22	0 41	21 52	1 14	19 14	16 0	20 52	21 4	22 58	13 18	6 1	F 8
S 9	12 53	12 59	5 11	4 37	2 28	21 41	0 56	26 21	4 1	9 39	1 30	20 32	0 31	16 21	0 41	21 52	1 14	19 13	16 0	20 53	21 5	22 59	13 16	6 2	S 9
S 10	12 32	18 9	5 9	4 20	2 42	21 36	0 52	26 21	3 59	9 42	1 30	20 31	0 31	16 20	0 41	21 52	1 14	19 12	16 0	20 54	21 5	23 0	13 15	6 2	S 10
M11	12 12	22 17	4 49	4 6	2 55	21 31	0 48	26 20	3 57	9 45	1 30	20 29	0 31	16 19	0 41	21 52	1 14	19 11	16 0	20 54	21 6	23 2	13 14	6 2	M11
T 12	11 51	25 4	4 11	3 58	3 6	21 24	0 45	26 19	3 55	9 48	1 31	20 28	0 32	16 18	0 41	21 52	1 14	19 11	16 0	20 54	21 6	23 3	13 13	6 2	T 12
W13	11 30	26 16	3 18	3 54	3 17	21 17	0 41	26 18	3 54	9 51	1 31	20 26	0 32	16 17	0 41	21 52	1 14	19 10	15 59	20 54	21 7	23 5	13 12	6 2	W13
T 14	11 8	25 46	2 13	3 55	3 26	21 10	0 37	26 16	3 52	9 54	1 31	20 25	0 32	16 15	0 41	21 52	1 14	19 9	15 59	20 54	21 8	23 6	13 11	6 2	T 14
F 15	10 47	23 40	1 2	4 0	3 33	21 2	0 34	26 15	3 50	9 57	1 31	20 24	0 32	16 14	0 41	21 52	1 14	19 9	15 59	20 53	21 8	23 7	13 9	6 2	F 15
S 16	10 25	20 12	0s13	4 10	3 39	20 53	0 30	26 14	3 48	10 0	1 31	20 22	0 32	16 13	0 41	21 52	1 14	19 8	15 59	20 53	21 9	23 9	13 8	6 3	S 16
S 17	10 3	15 41	1 26	4 24	3 42	20 44	0 26	26 12	3 46	10 3	1 31	20 21	0 32	16 12	0 41	21 52	1 14	19 8	15 59	20 54	21 9	23 10	13 7	6 3	S 17
M18	9 41	10 27	2 33	4 41	3 44	20 34	0 23	26 10	3 44	10 6	1 31	20 20	0 32	16 11	0 41	21 52	1 14	19 7	15 59	20 54	21 10	23 11	13 6	6 3	M18
T 19	9 19	4 51	3 30	5 2	3 43	20 24	0 19	26 8	3 42	10 9	1 31	20 18	0 32	16 10	0 41	21 52	1 14	19 6	15 59	20 55	21 11	23 13	13 5	6 3	T 19
W20	8 57	0s51	4 16	5 26	3 41	20 13	0 16	26 7	3 40	10 12	1 31	20 17	0 32	16 9	0 41	21 52	1 14	19 6	15 59	20 56	21 11	23 14	13 3	6 3	W20
T 21	8 35	6 23	4 47	5 52	3 36	20 1	0 12	26 5	3 38	10 15	1 31	20 16	0 32	16 8	0 41	21 52	1 13	19 5	15 59	20 58	21 12	23 15	13 2	6 4	T 21
F 22	8 12	11 33	5 5	6 19	3 30	19 49	0 9	26 2	3 36	10 18	1 31	20 14	0 33	16 7	0 41	21 52	1 13	19 4	15 59	20 59	21 12	23 16	13 1	6 4	F 22
S 23	7 49	16 11	5 8	6 48	3 21	19 36	0 5	26 0	3 34	10 21	1 31	20 13	0 33	16 6	0 41	21 52	1 13	19 4	15 59	21 1	21 13	23 18	13 0	6 4	S 23
S 24	7 27	20 7	4 57	7 16	3 12	19 23	0 2	25 58	3 32	10 24	1 31	20 12	0 33	16 5	0 41	21 52	1 13	19 3	15 59	21 2	21 13	23 19	12 59	6 4	S 24
M25	7 4	23 10	4 34	7 45	3 1	19 9	0s 2	25 56	3 30	10 27	1 31	20 10	0 33	16 4	0 41	21 52	1 13	19 2	15 59	21 2	21 14	23 20	12 57	6 4	M25
T 26	6 41	25 14	3 59	8 13	2 48	18 55	0 5	25 53	3 28	10 30	1 31	20 9	0 33	16 3	0 41	21 52	1 13	19 2	15 59	21 3	21 15	23 21	12 56	6 5	T 26
W27	6 18	26 10	3 14	8 41	2 35	18 40	0 8	25 51	3 26	10 33	1 31	20 8	0 33	16 2	0 41	21 52	1 13	19 1	15 59	21 3	21 15	23 23	12 55	6 5	W27
T 28	5s55	25s53	2s19	9s 7	2n21	18s24	0s12	25n48	3n24	10n36	1n31	20s 6	0s33	16s 1	0s41	21n52	1s13	19s 1	15s59	21s 3	21s16	23s24	12s54	6n 5	T 28

Julian Day Number = 2115193.5, Delta T = 18m53s
Ecliptic obliquity = 23°33'35, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°54'09, Lahiri = 11°01'10 Julian Calendar 1 Feb. 1079 == Greg. Calendar 7 Feb. 1079

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1079
geocentric

MARCH 1079 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 56 32	16♓ 3'07	11♉28	0°R 6	9♒46	17♋29	6°R21	3♒11	18♒30	18♊50	19♓ 1	26♉ 4	24♉49	24♏58	6♒21	F 1
S 2	11 0 29	17° 2'41	23°56	29♒41	10°58	17°36	6♍13	3°17	18°33	18°51	19° 2	26°R 5	24°46	25° 5	6°25	S 2
S 3	11 4 25	18° 2'12	6♒45	29°23	12°10	17°43	6° 6	3°23	18°37	18°51	19° 4	26° 4	24°43	25°12	6°29	S 3
M 4	11 8 22	19° 1'41	19°57	29°10	13°22	17°51	5°58	3°28	18°40	18°51	19° 5	26° 2	24°40	25°18	6°33	M 4
T 5	11 12 18	20° 1'08	3♓33	29° 4	14°35	18° 0	5°51	3°34	18°43	18°52	19° 7	25°57	24°36	25°25	6°36	T 5
W 6	11 16 15	21° 0'33	17°33	29°D 3	15°47	18° 9	5°43	3°40	18°46	18°52	19° 8	25°50	24°33	25°32	6°40	W 6
T 7	11 20 11	21°59'57	1♈51	29° 8	16°59	18°19	5°36	3°45	18°49	18°52	19°10	25°41	24°30	25°39	6°44	T 7
F 8	11 24 8	22°59'18	16°23	29°19	18°11	18°29	5°29	3°51	18°52	18°53	19°11	25°32	24°27	25°45	6°47	F 8
S 9	11 28 5	23°58'36	1♉ 1	29°34	19°24	18°40	5°22	3°56	18°55	18°53	19°13	25°23	24°24	25°52	6°51	S 9
S 10	11 32 1	24°57'53	15°38	29°55	20°36	18°51	5°15	4° 2	18°58	18°54	19°14	25°16	24°20	25°59	6°54	S 10
M11	11 35 58	25°57'07	0♊ 7	0♓21	21°48	19° 3	5° 8	4° 7	19° 1	18°54	19°16	25°11	24°17	26° 5	6°58	M11
T 12	11 39 54	26°56'19	14°25	0°51	23° 1	19°15	5° 1	4°12	19° 4	18°55	19°17	25° 8	24°14	26°12	7° 1	T 12
W13	11 43 51	27°55'29	28°30	1°25	24°13	19°28	4°54	4°18	19° 7	18°56	19°19	25°D 7	24°11	26°19	7° 5	W13
T 14	11 47 47	28°54'36	12♋20	2° 4	25°26	19°42	4°48	4°23	19° 9	18°56	19°20	25° 8	24° 8	26°26	7° 8	T 14
F 15	11 51 44	29°53'41	25°56	2°46	26°38	19°56	4°41	4°28	19°12	18°57	19°22	25°R 8	24° 5	26°32	7°11	F 15
S 16	11 55 40	0♈52'43	9♌19	3°32	27°50	20°10	4°35	4°33	19°15	18°58	19°23	25° 7	24° 1	26°39	7°15	S 16
S 17	11 59 37	1°51'43	22°30	4°21	29° 3	20°25	4°28	4°38	19°18	18°58	19°25	25° 4	23°58	26°46	7°18	S 17
M18	12 3 34	2°50'41	5♍30	5°13	0♓15	20°41	4°22	4°43	19°21	18°59	19°26	24°58	23°55	26°52	7°21	M18
T 19	12 7 30	3°49'37	18°19	6° 9	1°28	20°56	4°16	4°48	19°23	19° 0	19°28	24°50	23°52	26°59	7°24	T 19
W20	12 11 27	4°48'30	0♎57	7° 7	2°40	21°13	4°10	4°52	19°26	19° 1	19°29	24°39	23°49	27° 6	7°27	W20
T 21	12 15 23	5°47'21	13°25	8° 9	3°53	21°29	4° 5	4°57	19°29	19° 2	19°31	24°26	23°46	27°12	7°30	T 21
F 22	12 19 20	6°46'10	25°41	9°12	5° 5	21°47	3°59	5° 2	19°31	19° 3	19°32	24°14	23°42	27°19	7°33	F 22
S 23	12 23 16	7°44'58	7♏48	10°19	6°18	22° 4	3°53	5° 6	19°34	19° 4	19°33	24° 1	23°39	27°26	7°36	S 23
S 24	12 27 13	8°43'43	19°47	11°28	7°30	22°22	3°48	5°11	19°36	19° 4	19°35	23°51	23°36	27°32	7°39	S 24
M25	12 31 9	9°42'27	1♐39	12°39	8°43	22°40	3°43	5°15	19°39	19° 5	19°36	23°42	23°33	27°39	7°42	M25
T 26	12 35 6	10°41'09	13°29	13°53	9°56	22°59	3°38	5°19	19°41	19° 6	19°38	23°37	23°30	27°46	7°44	T 26
W27	12 39 2	11°39'49	25°20	15° 8	11° 8	23°18	3°33	5°24	19°44	19° 8	19°39	23°34	23°26	27°53	7°47	W27
T 28	12 42 59	12°38'27	7♑17	16°26	12°21	23°38	3°28	5°28	19°46	19° 9	19°41	23°33	23°23	27°59	7°50	T 28
F 29	12 46 56	13°37'04	19°27	17°46	13°33	23°58	3°24	5°32	19°49	19°10	19°42	23°33	23°20	28° 6	7°52	F 29
S 30	12 50 52	14°35'39	1♒53	19° 8	14°46	24°18	3°19	5°36	19°51	19°11	19°43	23°33	23°17	28°13	7°55	S 30
S 31	12 54 49	15♈34'12	14♒40	20♓32	15♓59	24♋38	3♍15	5♒40	19♒53	19♊12	19♓45	23♉31	23♉14	28♏19	7♒57	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	5s32	24s21	1s18	9s31	2n 7	18s 8	0s15	25n45	3n22	10n39	1n31	20s 5	0s33	16s 0	0s41	21n52	1s13	19s 0	15s59	21s 3	21s16	23s25	12s53	6n 5	F 1
S 2	5 8	21 37	0 12	9 53	1 52	17 51	0 18	25 42	3 20	10 41	1 31	20 4	0 33	15 59	0 41	21 53	1 13	18 59	15 59	21 2	21 17	23 26	12 52	6 6	S 2
S 3	4 45	17 46	0n57	10 14	1 37	17 34	0 21	25 39	3 18	10 44	1 31	20 3	0 34	15 58	0 41	21 53	1 13	18 59	15 59	21 2	21 17	23 28	12 50	6 6	S 3
M 4	4 22	12 56	2 5	10 32	1 22	17 17	0 24	25 36	3 17	10 47	1 31	20 1	0 34	15 58	0 41	21 53	1 13	18 58	15 59	21 3	21 18	23 29	12 49	6 6	M 4
T 5	3 58	7 21	3 7	10 49	1 7	16 59	0 28	25 33	3 15	10 50	1 31	20 0	0 34	15 57	0 41	21 53	1 13	18 58	15 59	21 4	21 19	23 30	12 48	6 6	T 5
W 6	3 35	1 16	4 0	11 3	0 52	16 40	0 31	25 30	3 13	10 52	1 31	19 59	0 34	15 56	0 41	21 53	1 13	18 57	15 59	21 5	21 19	23 31	12 47	6 7	W 6
T 7	3 11	5n 0	4 39	11 14	0 38	16 21	0 33	25 27	3 11	10 55	1 31	19 58	0 34	15 55	0 41	21 53	1 13	18 56	15 59	21 7	21 20	23 33	12 46	6 7	T 7
F 8	2 48	11 6	5 1	11 24	0 24	16 2	0 36	25 24	3 9	10 58	1 31	19 56	0 34	15 54	0 41	21 53	1 13	18 56	15 59	21 9	21 20	23 34	12 45	6 7	F 8
S 9	2 24	16 37	5 3	11 31	0 10	15 42	0 39	25 20	3 7	11 0	1 31	19 55	0 34	15 53	0 41	21 53	1 13	18 55	15 59	21 10	21 21	23 35	12 43	6 7	S 9
S 10	2 1	21 9	4 46	11 36	0s 3	15 22	0 42	25 17	3 5	11 3	1 31	19 54	0 34	15 52	0 41	21 53	1 13	18 55	15 59	21 12	21 21	23 36	12 42	6 8	S 10
M11	1 37	24 21	4 10	11 39	0 16	15 1	0 45	25 13	3 3	11 5	1 31	19 53	0 34	15 51	0 41	21 53	1 13	18 54	15 59	21 12	21 22	23 37	12 41	6 8	M11
T 12	1 13	25 57	3 19	11 40	0 28	14 40	0 47	25 10	3 1	11 8	1 31	19 52	0 35	15 50	0 41	21 53	1 13	18 54	15 59	21 13	21 23	23 38	12 40	6 8	T 12
W13	0 50	25 50	2 17	11 39	0 40	14 18	0 50	25 6	3 0	11 10	1 31	19 51	0 35	15 49	0 41	21 53	1 12	18 53	15 59	21 13	21 23	23 40	12 39	6 9	W13
T 14	0 26	24 7	1 8	11 35	0 51	13 56	0 53	25 2	2 58	11 13	1 31	19 50	0 35	15 48	0 41	21 54	1 12	18 52	15 59	21 13	21 24	23 41	12 38	6 9	T 14
F 15	0 3	21 0	0s 4	11 30	1 2	13 34	0 55	24 58	2 56	11 15	1 31	19 48	0 35	15 48	0 41	21 54	1 12	18 52	15 59	21 13	21 24	23 42	12 37	6 9	F 15
S 16	0n21	16 49	1 15	11 23	1 12	13 11	0 57	24 54	2 54	11 17	1 31	19 47	0 35	15 47	0 41	21 54	1 12	18 51	15 59	21 13	21 25	23 43	12 36	6 10	S 16
S 17	0 45	11 52	2 20	11 14	1 21	12 48	1 0	24 50	2 52	11 19	1 31	19 46	0 35	15 46	0 41	21 54	1 12	18 51	15 59	21 14	21 25	23 44	12 34	6 10	S 17
M18	1 8	6 29	3 17	11 3	1 30	12 24	1 2	24 46	2 51	11 22	1 31	19 45	0 35	15 45	0 41	21 54	1 12	18 50	15 59	21 15	21 26	23 45	12 33	6 10	M18
T 19	1 32	0 55	4 3	10 50	1 39	12 1	1 4	24 42	2 49	11 24	1 31	19 44	0 35	15 44	0 41	21 54	1 12	18 50	15 59	21 16	21 26	23 46	12 32	6 10	T 19
W20	1 55	4s36	4 36	10 35	1 47	11 37	1 7	24 38	2 47	11 26	1 30	19 43	0 36	15 43	0 41	21 54	1 12	18 49	15 59	21 18	21 27	23 48	12 31	6 11	W20
T 21	2 19	9 51	4 56	10 19	1 54	11 12	1 9	24 33	2 46	11 28	1 30	19 42	0 36	15 43	0 41	21 54	1 12	18 49	16 0	21 20	21 28	23 49	12 30	6 11	T 21
F 22	2 42	14 38	5 1	10 1	2 1	10 47	1 11	24 29	2 44	11 30	1 30	19 41	0 36	15 42	0 41	21 55	1 12	18 48	16 0	21 23	21 28	23 50	12 29	6 11	F 22
S 23	3 5	18 47	4 53	9 41	2 7	10 22	1 13	24 24	2 42	11 32	1 30	19 40	0 36	15 41	0 42	21 55	1 12	18 48	16 0	21 25	21 29	23 51	12 28	6 12	S 23
S 24	3 29	22 7	4 31	9 20	2 12	9 57	1 15	24 20	2 40	11 34	1 30	19 39	0 36	15 40	0 42	21 55	1 12	18 47	16 0	21 27	21 29	23 52	12 27	6 12	S 24
M25	3 52	24 29	3 58	8 57	2 17	9 31	1 16	24 15	2 39	11 35	1 30	19 38	0 36	15 39	0 42	21 55	1 12	18 47	16 0	21 28	21 30	23 53	12 26	6 13	M25
T 26	4 15	25 46	3 15	8 33	2 22	9 5	1 18	24 10	2 37	11 37	1 30	19 37	0 36	15 39	0 42	21 55	1 12	18 47	16 0	21 29	21 30	23 54	12 25	6 13	T 26
W27	4 38	25 52	2 24	8 7	2 26	8 39	1 20	24 5	2 36	11 39	1 30	19 36	0 36	15 38	0 42	21 55	1 12	18 46	16 0	21 30	21 31	23 55	12 24	6 13	W27
T 28	5 1	24 46	1 25	7 40	2 29	8 13	1 21	24 0	2 34	11 40	1 29	19 35	0 37	15 37	0 42	21 55	1 12	18 46	16 0	21 30	21 31	23 56	12 23	6 14	T 28
F 29	5 24	22 30	0 22	7 11	2 32	7 46	1 23	23 55	2 32	11 42	1 29	19 35	0 37	15 36	0 42	21 55	1 12	18 45	16 1	21 30	21 32	23 57	12 22	6 14	F 29
S 30	5 47	19 8	0n44	6 41	2 34	7 19	1 24	23 50	2 31	11 43	1 29	19 34	0 37	15 36	0 42	21 56	1 12	18 45	16 1	21 30	21 32	23 58	12 21	6 14	S 30
S 31	6n10	14s46	1n49	6s 9	2s36	6s52	1s26	23n45	2n29	11n45	1n29	19s33	0s37	15s35	0s42	21n56	1s12	18s44	16s 1	21s30	21s33	23s59	12s20	6n15	S 31

Julian Day Number = 2115221.5, Delta T = 18m52s
Ecliptic obliquity = 23°33'35, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°54'13, Lahiri = 11°01'14 Julian Calendar 1 March 1079 == Greg. Calendar 7 March 1079

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1079
geocentric

APRIL 1079 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 58 45	16♈32'43	27♒54	21♓57	17♓11	24♋59	3°R11	5♒44	19♒56	19♊13	19♓46	23°R28	23♑11	28♏26	8♒ 0	M 1
T 2	13 2 42	17°31'13	11♓36	23°25	18°24	25°20	3♍ 7	5°47	19°58	19°15	19°48	23♑22	23° 7	28°33	8° 2	T 2
W 3	13 6 38	18°29'41	25°46	24°54	19°37	25°42	3° 3	5°51	20° 0	19°16	19°49	23°13	23° 4	28°39	8° 4	W 3
T 4	13 10 35	19°28'07	10♈21	26°26	20°50	26° 4	2°59	5°55	20° 2	19°17	19°50	23° 3	23° 1	28°46	8° 7	T 4
F 5	13 14 31	20°26'32	25°13	27°59	22° 2	26°26	2°56	5°58	20° 4	19°18	19°52	22°51	22°58	28°53	8° 9	F 5
S 6	13 18 28	21°24'54	10♉15	29°34	23°15	26°48	2°53	6° 2	20° 6	19°20	19°53	22°40	22°55	29° 0	8°11	S 6
S 7	13 22 25	22°23'15	25°15	1♈10	24°28	27°11	2°50	6° 5	20° 8	19°21	19°54	22°31	22°52	29° 6	8°13	S 7
M 8	13 26 21	23°21'33	10♊ 6	2°49	25°41	27°34	2°47	6° 8	20°10	19°22	19°55	22°24	22°48	29°13	8°15	M 8
T 9	13 30 18	24°19'50	24°40	4°29	26°53	27°58	2°44	6°11	20°12	19°24	19°57	22°20	22°45	29°20	8°17	T 9
W10	13 34 14	25°18'04	8♋55	6°11	28° 6	28°21	2°41	6°14	20°14	19°25	19°58	22°18	22°42	29°26	8°19	W10
T 11	13 38 11	26°16'17	22°47	7°55	29°19	28°45	2°39	6°17	20°16	19°27	19°59	22°18	22°39	29°33	8°20	T 11
F 12	13 42 7	27°14'27	6♌19	9°40	0♈32	29°10	2°37	6°20	20°18	19°28	20° 1	22°18	22°36	29°40	8°22	F 12
S 13	13 46 4	28°12'35	19°32	11°28	1°44	29°34	2°35	6°23	20°20	19°30	20° 2	22°17	22°32	29°46	8°24	S 13
S 14	13 50 0	29°10'41	2♍29	13°17	2°57	29°59	2°33	6°26	20°21	19°31	20° 3	22°13	22°29	29°53	8°26	S 14
M15	13 53 57	0♉ 8'45	15°12	15° 8	4°10	0♌24	2°31	6°28	20°23	19°33	20° 4	22° 7	22°26	29°59	8°27	M15
T 16	13 57 54	1° 6'47	27°44	17° 1	5°23	0°49	2°30	6°31	20°25	19°35	20° 5	21°58	22°23	0♐ 7	8°29	T 16
W17	14 1 50	2° 4'47	10♎ 7	18°55	6°36	1°15	2°29	6°33	20°26	19°36	20° 7	21°47	22°20	0°13	8°30	W17
T 18	14 5 47	3° 2'46	22°20	20°52	7°48	1°40	2°28	6°36	20°28	19°38	20° 8	21°34	22°17	0°20	8°31	T 18
F 19	14 9 43	4° 0'43	4♏26	22°50	9° 1	2° 6	2°27	6°38	20°30	19°39	20° 9	21°21	22°13	0°27	8°33	F 19
S 20	14 13 40	4°58'38	16°25	24°50	10°14	2°32	2°26	6°40	20°31	19°41	20°10	21° 8	22°10	0°33	8°34	S 20
S 21	14 17 36	5°56'32	28°19	26°51	11°27	2°59	2°25	6°42	20°32	19°43	20°11	20°57	22° 7	0°40	8°35	S 21
M22	14 21 33	6°54'24	10♐ 9	28°55	12°40	3°25	2°25	6°44	20°34	19°45	20°12	20°48	22° 4	0°47	8°36	M22
T 23	14 25 29	7°52'15	21°58	0♉59	13°53	3°52	2°25	6°46	20°35	19°46	20°13	20°42	22° 1	0°53	8°37	T 23
W24	14 29 26	8°50'05	3♑50	3° 5	15° 6	4°19	2°D25	6°48	20°36	19°48	20°14	20°38	21°58	1° 0	8°38	W24
T 25	14 33 23	9°47'53	15°47	5°13	16°19	4°46	2°25	6°50	20°38	19°50	20°16	20°D37	21°54	1° 7	8°39	T 25
F 26	14 37 19	10°45'40	27°55	7°22	17°31	5°14	2°25	6°51	20°39	19°52	20°17	20°37	21°51	1°13	8°40	F 26
S 27	14 41 16	11°43'26	10♒19	9°31	18°44	5°42	2°26	6°53	20°40	19°54	20°18	20°R37	21°48	1°20	8°41	S 27
S 28	14 45 12	12°41'10	23° 4	11°42	19°57	6° 9	2°27	6°54	20°41	19°55	20°19	20°37	21°45	1°27	8°41	S 28
M29	14 49 9	13°38'54	6♓14	13°53	21°10	6°37	2°27	6°56	20°42	19°57	20°20	20°35	21°42	1°34	8°42	M29
T 30	14 53 5	14♉36'36	19♓53	16♉ 4	22♈23	7♌ 6	2♍29	6♒57	20♒43	19♊59	20♓21	20♑30	21♑38	1♐40	8♒43	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	6n32	9s35	2n51	5s36	2s37	6s25	1s27	23n40	2n28	11n46	1n29	19s32	0s37	15s34	0s42	21n56	1s12	18s44	16s 1	21s31	21s34	24s 0	12s19	6n15
T 2	6 55	3 47	3 45	5 2	2 37	5 58	1 28	23 34	2 26	11 47	1 29	19 31	0 37	15 34	0 42	21 56	1 12	18 44	16 1	21 32	21 34	24 2	12 18	6 15
W 3	7 17	2n23	4 27	4 26	2 37	5 30	1 29	23 29	2 25	11 49	1 28	19 30	0 37	15 33	0 42	21 56	1 11	18 43	16 1	21 33	21 35	24 3	12 17	6 16
T 4	7 39	8 36	4 53	3 49	2 37	5 2	1 30	23 23	2 23	11 50	1 28	19 30	0 38	15 32	0 42	21 56	1 11	18 43	16 2	21 35	21 35	24 4	12 16	6 16
F 5	8 1	14 27	5 0	3 11	2 36	4 34	1 32	23 17	2 22	11 51	1 28	19 29	0 38	15 32	0 42	21 56	1 11	18 43	16 2	21 37	21 36	24 5	12 15	6 17
S 6	8 24	19 29	4 46	2 32	2 34	4 6	1 32	23 11	2 20	11 52	1 28	19 28	0 38	15 31	0 42	21 57	1 11	18 42	16 2	21 39	21 36	24 6	12 14	6 17
S 7	8 45	23 16	4 13	1 51	2 32	3 38	1 33	23 5	2 19	11 53	1 28	19 28	0 38	15 30	0 42	21 57	1 11	18 42	16 2	21 40	21 37	24 7	12 13	6 17
M 8	9 7	25 25	3 23	1 10	2 30	3 10	1 34	22 59	2 17	11 54	1 28	19 27	0 38	15 30	0 42	21 57	1 11	18 42	16 2	21 41	21 37	24 8	12 13	6 18
T 9	9 29	25 47	2 20	0 27	2 26	2 41	1 35	22 53	2 16	11 55	1 27	19 26	0 38	15 29	0 42	21 57	1 11	18 41	16 3	21 42	21 38	24 9	12 12	6 18
W10	9 50	24 26	1 10	0n17	2 23	2 13	1 35	22 47	2 14	11 55	1 27	19 26	0 38	15 29	0 42	21 57	1 11	18 41	16 3	21 42	21 38	24 10	12 11	6 19
T 11	10 11	21 35	0s 3	1 2	2 18	1 44	1 36	22 41	2 13	11 56	1 27	19 25	0 38	15 28	0 42	21 57	1 11	18 41	16 3	21 42	21 39	24 10	12 10	6 19
F 12	10 33	17 36	1 13	1 48	2 14	1 16	1 36	22 34	2 11	11 57	1 27	19 24	0 39	15 28	0 42	21 58	1 11	18 40	16 3	21 42	21 39	24 11	12 9	6 19
S 13	10 53	12 51	2 19	2 35	2 8	0 47	1 37	22 28	2 10	11 57	1 27	19 24	0 39	15 27	0 42	21 58	1 11	18 40	16 3	21 42	21 40	24 12	12 8	6 20
S 14	11 14	7 36	3 15	3 23	2 3	0 18	1 37	22 21	2 9	11 58	1 26	19 23	0 39	15 26	0 42	21 58	1 11	18 40	16 4	21 43	21 40	24 13	12 8	6 20
M15	11 35	2 9	4 1	4 12	1 56	0n10	1 37	22 14	2 7	11 58	1 26	19 23	0 39	15 26	0 42	21 58	1 11	18 39	16 4	21 44	21 41	24 14	12 7	6 21
T 16	11 55	3s17	4 34	5 2	1 50	0 39	1 38	22 7	2 6	11 58	1 26	19 22	0 39	15 25	0 42	21 58	1 11	18 39	16 4	21 45	21 41	24 15	12 6	6 21
W17	12 15	8 31	4 54	5 52	1 42	1 8	1 38	22 0	2 5	11 59	1 26	19 22	0 39	15 25	0 42	21 58	1 11	18 39	16 4	21 47	21 42	24 16	12 5	6 21
T 18	12 35	13 22	5 0	6 43	1 35	1 37	1 38	21 53	2 3	11 59	1 26	19 21	0 39	15 25	0 42	21 58	1 11	18 39	16 5	21 49	21 42	24 17	12 4	6 22
F 19	12 55	17 39	4 53	7 35	1 26	2 6	1 38	21 46	2 2	11 59	1 26	19 21	0 40	15 24	0 42	21 59	1 11	18 38	16 5	21 51	21 43	24 18	12 4	6 22
S 20	13 15	21 10	4 32	8 27	1 18	2 35	1 38	21 39	2 1	11 59	1 25	19 20	0 40	15 24	0 42	21 59	1 11	18 38	16 5	21 53	21 44	24 19	12 3	6 23
S 21	13 34	23 47	4 0	9 20	1 9	3 3	1 38	21 31	1 59	11 59	1 25	19 20	0 40	15 23	0 42	21 59	1 11	18 38	16 5	21 55	21 44	24 20	12 2	6 23
M22	13 53	25 20	3 17	10 13	0 59	3 32	1 37	21 24	1 58	11 59	1 25	19 20	0 40	15 23	0 43	21 59	1 11	18 38	16 6	21 56	21 45	24 21	12 2	6 24
T 23	14 12	25 44	2 26	11 6	0 50	4 1	1 37	21 16	1 57	11 59	1 25	19 19	0 40	15 22	0 43	21 59	1 11	18 38	16 6	21 57	21 45	24 22	12 1	6 24
W24	14 31	24 58	1 28	11 59	0 40	4 29	1 37	21 9	1 55	11 59	1 25	19 19	0 40	15 22	0 43	21 59	1 11	18 37	16 6	21 58	21 46	24 22	12 0	6 24
T 25	14 49	23 3	0 26	12 52	0 30	4 58	1 36	21 1	1 54	11 59	1 24	19 19	0 40	15 22	0 43	22 0	1 11	18 37	16 7	21 58	21 46	24 23	12 0	6 25
F 26	15 8	20 3	0n39	13 44	0 19	5 26	1 36	20 53	1 53	11 58	1 24	19 18	0 41	15 21	0 43	22 0	1 11	18 37	16 7	21 58	21 47	24 24	11 59	6 25
S 27	15 26	16 5	1 43	14 36	0 9	5 55	1 35	20 45	1 52	11 58	1 24	19 18	0 41	15 21	0 43	22 0	1 11	18 37	16 7	21 58	21 47	24 25	11 58	6 26
S 28	15 43	11 19	2 44	15 27	0n 2	6 23	1 34	20 37	1 50	11 57	1 24	19 18	0 41	15 21	0 43	22 0	1 11	18 37	16 7	21 58	21 48	24 26	11 58	6 26
M29	16 1	5 53	3 38	16 17	0 12	6 51	1 34	20 28	1 49	11 57	1 23	19 18	0 41	15 20	0 43	22 0	1 10	18 37	16 8	21 58	21 48	24 27	11 57	6 27
T 30	16n18	0s 1	4n22	17n 6	0n23	7n19	1s33	20n20	1n48	11n56	1n23	19s18	0s41	15s20	0s43	22n 1	1s10	18s37	16s 8	21s59	21s49	24s28	11s57	6n27

Julian Day Number = 2115252.5, Delta T = 18m52s
Ecliptic obliquity = 23°33'35, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°54'18, Lahiri = 11°01'18 Julian Calendar 1 Apr. 1079 == Greg. Calendar 7 Apr. 1079

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1079
geocentric

MAY 1079 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 57 2	15♉34'17	4♈ 2	18♉15	23♈36	7♌34	2♍30	6♒58	20♒44	20♊ 1	20♓22	20°R24	21♑35	1♐47	8♒43	W 1
T 2	15 0 58	16°31'57	18°38	20°27	24°49	8° 3	2°31	6°59	20°45	20° 3	20°22	20♑15	21°32	1°54	8°44	T 2
F 3	15 4 55	17°29'36	3♉36	22°37	26° 2	8°31	2°33	7° 0	20°46	20° 5	20°23	20° 6	21°29	2° 0	8°44	F 3
S 4	15 8 52	18°27'14	18°48	24°47	27°15	9° 0	2°35	7° 1	20°47	20° 7	20°24	19°57	21°26	2° 7	8°44	S 4
S 5	15 12 48	19°24'51	4♊ 2	26°56	28°28	9°30	2°37	7° 1	20°48	20° 9	20°25	19°49	21°23	2°14	8°45	S 5
M 6	15 16 45	20°22'26	19° 9	29° 3	29°41	9°59	2°39	7° 2	20°48	20°11	20°26	19°44	21°19	2°20	8°45	M 6
T 7	15 20 41	21°20'00	4♋ 0	1♊ 9	0♉54	10°28	2°41	7° 3	20°49	20°13	20°27	19°41	21°16	2°27	8°45	T 7
W 8	15 24 38	22°17'33	18°28	3°14	2° 7	10°58	2°44	7° 3	20°50	20°15	20°28	19°D40	21°13	2°34	8°R45	W 8
T 9	15 28 34	23°15'04	2♌30	5°16	3°20	11°28	2°46	7° 3	20°50	20°17	20°29	19°40	21°10	2°40	8°45	T 9
F 10	15 32 31	24°12'34	16° 8	7°16	4°33	11°58	2°49	7° 4	20°51	20°19	20°29	19°41	21° 7	2°47	8°45	F 10
S 11	15 36 27	25°10'02	29°21	9°14	5°46	12°28	2°52	7° 4	20°51	20°21	20°30	19°R41	21° 3	2°54	8°45	S 11
S 12	15 40 24	26° 7'29	12♍14	11° 9	6°59	12°58	2°55	7°R 4	20°52	20°23	20°31	19°40	21° 0	3° 1	8°44	S 12
M13	15 44 21	27° 4'55	24°50	13° 2	8°12	13°29	2°59	7° 4	20°52	20°25	20°32	19°36	20°57	3° 7	8°44	M13
T 14	15 48 17	28° 2'19	7♎12	14°53	9°25	13°59	3° 2	7° 4	20°52	20°27	20°32	19°31	20°54	3°14	8°44	T 14
W15	15 52 14	28°59'42	19°24	16°41	10°38	14°30	3° 6	7° 3	20°53	20°29	20°33	19°23	20°51	3°21	8°43	W15
T 16	15 56 10	29°57'04	1♏27	18°26	11°51	15° 1	3°10	7° 3	20°53	20°31	20°34	19°15	20°48	3°27	8°43	T 16
F 17	16 0 7	0♊54'25	13°24	20° 9	13° 4	15°32	3°14	7° 3	20°53	20°33	20°34	19° 6	20°44	3°34	8°42	F 17
S 18	16 4 3	1°51'45	25°18	21°49	14°17	16° 3	3°18	7° 2	20°53	20°36	20°35	18°57	20°41	3°41	8°42	S 18
S 19	16 8 0	2°49'05	7♐ 8	23°26	15°31	16°34	3°22	7° 1	20°53	20°38	20°36	18°50	20°38	3°47	8°41	S 19
M20	16 11 56	3°46'23	18°58	25° 0	16°44	17° 6	3°27	7° 1	20°53	20°40	20°36	18°44	20°35	3°54	8°40	M20
T 21	16 15 53	4°43'41	0♑50	26°32	17°57	17°37	3°31	7° 0	20°R53	20°42	20°37	18°40	20°32	4° 1	8°40	T 21
W22	16 19 50	5°40'58	12°45	28° 1	19°10	18° 9	3°36	6°59	20°53	20°44	20°37	18°38	20°29	4° 7	8°39	W22
T 23	16 23 46	6°38'15	24°47	29°27	20°23	18°41	3°41	6°58	20°53	20°46	20°38	18°D38	20°25	4°14	8°38	T 23
F 24	16 27 43	7°35'31	6♒59	0♋50	21°36	19°13	3°46	6°57	20°53	20°49	20°38	18°39	20°22	4°21	8°37	F 24
S 25	16 31 39	8°32'46	19°25	2°11	22°49	19°45	3°51	6°56	20°53	20°51	20°39	18°41	20°19	4°27	8°36	S 25
S 26	16 35 36	9°30'01	2♓10	3°28	24° 3	20°17	3°57	6°54	20°53	20°53	20°39	18°42	20°16	4°34	8°35	S 26
M27	16 39 32	10°27'16	15°18	4°43	25°16	20°49	4° 2	6°53	20°52	20°55	20°40	18°R42	20°13	4°41	8°33	M27
T 28	16 43 29	11°24'31	28°51	5°54	26°29	21°22	4° 8	6°51	20°52	20°57	20°40	18°41	20° 9	4°48	8°32	T 28
W29	16 47 25	12°21'45	12♈51	7° 2	27°42	21°54	4°14	6°50	20°52	21° 0	20°40	18°38	20° 6	4°54	8°31	W29
T 30	16 51 22	13°18'59	27°18	8° 8	28°55	22°27	4°20	6°48	20°51	21° 2	20°41	18°34	20° 3	5° 1	8°30	T 30
F 31	16 55 19	14♊16'13	12♉ 7	9♋ 9	0♊ 9	23♌ 0	4♍26	6♒46	20♒51	21♊ 4	20♓41	18♑29	20♑ 0	5♐ 8	8♒28	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n35	6n 4	4n52	17n53	0n33	7n47	1s32	20n11	1n47	11n56	1n23	19s17	0s41	15s20	0s43	22n 1	1s10	18s36	16s 8	22s 0	21s49	24s28	11s56	6n27
T 2	16 52	12 0	5 4	18 39	0 43	8 15	1 31	20 3	1 46	11 55	1 23	19 17	0 42	15 20	0 43	22 1	1 10	18 36	16 9	22 1	21 50	24 29	11 56	6 28
F 3	17 8	17 24	4 55	19 23	0 53	8 42	1 30	19 54	1 44	11 54	1 23	19 17	0 42	15 19	0 43	22 1	1 10	18 36	16 9	22 3	21 50	24 30	11 55	6 28
S 4	17 24	21 46	4 26	20 4	1 3	9 10	1 29	19 45	1 43	11 53	1 22	19 17	0 42	15 19	0 43	22 1	1 10	18 36	16 9	22 4	21 51	24 31	11 55	6 29
S 5	17 40	24 38	3 39	20 44	1 12	9 37	1 28	19 36	1 42	11 52	1 22	19 17	0 42	15 19	0 43	22 1	1 10	18 36	16 9	22 5	21 51	24 32	11 54	6 29
M 6	17 56	25 42	2 36	21 21	1 20	10 4	1 27	19 27	1 41	11 51	1 22	19 17	0 42	15 19	0 43	22 2	1 10	18 36	16 10	22 6	21 52	24 32	11 54	6 29
T 7	18 11	24 53	1 23	21 56	1 28	10 31	1 26	19 18	1 40	11 50	1 22	19 17	0 42	15 18	0 43	22 2	1 10	18 36	16 10	22 6	21 52	24 33	11 53	6 30
W 8	18 26	22 23	0 6	22 28	1 35	10 57	1 24	19 9	1 39	11 49	1 22	19 17	0 42	15 18	0 43	22 2	1 10	18 36	16 10	22 7	21 53	24 34	11 53	6 30
T 9	18 41	18 35	1s 8	22 58	1 42	11 23	1 23	18 59	1 37	11 48	1 21	19 17	0 43	15 18	0 43	22 2	1 10	18 36	16 11	22 7	21 53	24 35	11 52	6 31
F 10	18 55	13 54	2 17	23 25	1 48	11 49	1 22	18 50	1 36	11 47	1 21	19 17	0 43	15 18	0 43	22 2	1 10	18 36	16 11	22 6	21 54	24 36	11 52	6 31
S 11	19 9	8 41	3 16	23 49	1 54	12 15	1 20	18 40	1 35	11 46	1 21	19 17	0 43	15 18	0 43	22 2	1 10	18 36	16 11	22 6	21 54	24 36	11 52	6 32
S 12	19 23	3 15	4 4	24 11	1 58	12 41	1 19	18 30	1 34	11 44	1 21	19 18	0 43	15 18	0 43	22 3	1 10	18 36	16 12	22 7	21 55	24 37	11 51	6 32
M13	19 36	2s12	4 39	24 30	2 2	13 6	1 17	18 21	1 33	11 43	1 21	19 18	0 43	15 18	0 43	22 3	1 10	18 36	16 12	22 7	21 55	24 38	11 51	6 32
T 14	19 49	7 27	5 0	24 46	2 5	13 31	1 15	18 11	1 32	11 41	1 20	19 18	0 43	15 18	0 43	22 3	1 10	18 36	16 12	22 8	21 56	24 39	11 51	6 33
W15	20 2	12 21	5 6	25 0	2 8	13 55	1 14	18 1	1 31	11 40	1 20	19 18	0 44	15 18	0 43	22 3	1 10	18 36	16 13	22 9	21 56	24 39	11 50	6 33
T 16	20 14	16 43	5 0	25 12	2 9	14 19	1 12	17 50	1 30	11 38	1 20	19 18	0 44	15 18	0 43	22 3	1 10	18 36	16 13	22 10	21 57	24 40	11 50	6 34
F 17	20 27	20 23	4 40	25 21	2 10	14 43	1 10	17 40	1 29	11 37	1 20	19 19	0 44	15 17	0 43	22 3	1 10	18 36	16 13	22 12	21 57	24 41	11 50	6 34
S 18	20 38	23 11	4 8	25 28	2 10	15 7	1 9	17 30	1 28	11 35	1 20	19 19	0 44	15 17	0 44	22 4	1 10	18 36	16 14	22 13	21 57	24 41	11 50	6 35
S 19	20 50	24 59	3 25	25 33	2 10	15 30	1 7	17 19	1 26	11 33	1 19	19 19	0 44	15 17	0 44	22 4	1 10	18 36	16 14	22 14	21 58	24 42	11 49	6 35
M20	21 1	25 39	2 33	25 36	2 8	15 53	1 5	17 9	1 25	11 31	1 19	19 20	0 44	15 18	0 44	22 4	1 10	18 36	16 15	22 15	21 58	24 43	11 49	6 35
T 21	21 11	25 8	1 35	25 37	2 6	16 15	1 3	16 58	1 24	11 29	1 19	19 20	0 44	15 18	0 44	22 4	1 10	18 36	16 15	22 15	21 59	24 44	11 49	6 36
W22	21 22	23 29	0 32	25 36	2 3	16 37	1 1	16 47	1 23	11 28	1 19	19 20	0 45	15 18	0 44	22 4	1 10	18 37	16 15	22 15	21 59	24 44	11 49	6 36
T 23	21 32	20 44	0n33	25 33	1 59	16 59	0 59	16 36	1 22	11 26	1 19	19 21	0 45	15 18	0 44	22 4	1 10	18 37	16 16	22 15	22 0	24 45	11 49	6 37
F 24	21 41	17 2	1 38	25 28	1 55	17 20	0 57	16 25	1 21	11 24	1 18	19 21	0 45	15 18	0 44	22 5	1 10	18 37	16 16	22 15	22 0	24 46	11 49	6 37
S 25	21 50	12 33	2 40	25 22	1 50	17 41	0 55	16 14	1 20	11 21	1 18	19 22	0 45	15 18	0 44	22 5	1 10	18 37	16 16	22 15	22 1	24 46	11 48	6 37
S 26	21 59	7 25	3 35	25 15	1 44	18 1	0 53	16 3	1 19	11 19	1 18	19 22	0 45	15 18	0 44	22 5	1 10	18 37	16 17	22 15	22 1	24 47	11 48	6 38
M27	22 8	1 49	4 20	25 6	1 38	18 21	0 51	15 52	1 18	11 17	1 18	19 23	0 45	15 18	0 44	22 5	1 10	18 37	16 17	22 15	22 2	24 48	11 48	6 38
T 28	22 16	4n 1	4 53	24 56	1 30	18 41	0 49	15 40	1 17	11 15	1 18	19 23	0 45	15 18	0 44	22 5	1 10	18 37	16 17	22 15	22 2	24 48	11 48	6 38
W29	22 23	9 51	5 10	24 45	1 22	19 0	0 46	15 29	1 16	11 12	1 17	19 24	0 46	15 18	0 44	22 5	1 10	18 38	16 18	22 15	22 3	24 49	11 48	6 39
T 30	22 31	15 20	5 8	24 32	1 14	19 18	0 44	15 17	1 15	11 10	1 17	19 24	0 46	15 19	0 44	22 6	1 10	18 38	16 18	22 16	22 3	24 49	11 48	6 39
F 31	22n38	20n 4	4n46	24n19	1n 5	19n36	0s42	15n 5	1n14	11n 8	1n17	19s25	0s46	15s19	0s44	22n 6	1s10	18s38	16s19	22s17	22s 4	24s50	11s48	6n40

Julian Day Number = 2115282.5, Delta T = 18m52s
Ecliptic obliquity = 23°33'35, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°54'22, Lahiri = 11°01'22 Julian Calendar 1 May 1079 == Greg. Calendar 7 May 1079

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1079
geocentric

JUNE 1079 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 59 15	15♊13'27	27♉13	10♋ 8	1♊22	23♌32	4♍32	6°R44	20°R50	21♊ 6	20♓42	18°R25	19♑57	5♐14	8°R27	S 1
S 2	17 3 12	16°10'40	12♊26	11° 3	2°35	24° 6	4°39	6♒43	20♒50	21° 8	20°42	18♑21	19°54	5°21	8♒25	S 2
M 3	17 7 8	17° 7'53	27°36	11°55	3°49	24°39	4°45	6°40	20°49	21°11	20°42	18°18	19°50	5°28	8°24	M 3
T 4	17 11 5	18° 5'06	12♋34	12°43	5° 2	25°12	4°52	6°38	20°48	21°13	20°42	18°D17	19°47	5°34	8°22	T 4
W 5	17 15 1	19° 2'18	27°11	13°28	6°15	25°45	4°59	6°36	20°48	21°15	20°43	18°17	19°44	5°41	8°20	W 5
T 6	17 18 58	19°59'30	11♌24	14° 8	7°29	26°19	5° 5	6°34	20°47	21°17	20°43	18°18	19°41	5°48	8°18	T 6
F 7	17 22 55	20°56'41	25°10	14°45	8°42	26°52	5°13	6°31	20°46	21°20	20°43	18°19	19°38	5°54	8°17	F 7
S 8	17 26 51	21°53'52	8♍29	15°18	9°55	27°26	5°20	6°29	20°45	21°22	20°43	18°21	19°35	6° 1	8°15	S 8
S 9	17 30 48	22°51'02	21°25	15°46	11° 9	28° 0	5°27	6°26	20°44	21°24	20°43	18°R21	19°31	6° 8	8°13	S 9
M10	17 34 44	23°48'12	4♎ 1	16°10	12°22	28°34	5°35	6°24	20°44	21°26	20°44	18°21	19°28	6°14	8°11	M10
T 11	17 38 41	24°45'21	16°20	16°30	13°36	29° 8	5°42	6°21	20°43	21°29	20°44	18°19	19°25	6°21	8° 9	T 11
W12	17 42 37	25°42'30	28°27	16°46	14°49	29°42	5°50	6°18	20°41	21°31	20°44	18°17	19°22	6°28	8° 7	W12
T 13	17 46 34	26°39'39	10♏25	16°56	16° 2	0♍16	5°58	6°15	20°40	21°33	20°44	18°14	19°19	6°34	8° 5	T 13
F 14	17 50 30	27°36'47	22°18	17° 2	17°16	0°51	6° 6	6°13	20°39	21°35	20°44	18°11	19°15	6°41	8° 2	F 14
S 15	17 54 27	28°33'56	4♐ 8	17°R 4	18°29	1°25	6°14	6°10	20°38	21°37	20°R44	18° 7	19°12	6°48	8° 0	S 15
S 16	17 58 24	29°31'04	15°58	17° 0	19°43	1°59	6°22	6° 6	20°37	21°40	20°44	18° 5	19° 9	6°54	7°58	S 16
M17	18 2 20	0♋28'13	27°51	16°52	20°56	2°34	6°30	6° 3	20°36	21°42	20°44	18° 3	19° 6	7° 1	7°56	M17
T 18	18 6 17	1°25'21	9♑48	16°40	22°10	3° 9	6°38	6° 0	20°34	21°44	20°44	18° 2	19° 3	7° 8	7°53	T 18
W19	18 10 13	2°22'30	21°52	16°23	23°23	3°44	6°47	5°57	20°33	21°46	20°44	18°D 2	19° 0	7°15	7°51	W19
T 20	18 14 10	3°19'39	4♒ 5	16° 2	24°37	4°18	6°56	5°53	20°32	21°49	20°44	18° 2	18°56	7°21	7°48	T 20
F 21	18 18 6	4°16'49	16°28	15°37	25°50	4°53	7° 4	5°50	20°30	21°51	20°43	18° 3	18°53	7°28	7°46	F 21
S 22	18 22 3	5°13'58	29° 4	15° 8	27° 4	5°29	7°13	5°47	20°29	21°53	20°43	18° 4	18°50	7°35	7°43	S 22
S 23	18 25 59	6°11'09	11♓56	14°36	28°18	6° 4	7°22	5°43	20°28	21°55	20°43	18° 5	18°47	7°41	7°41	S 23
M24	18 29 56	7° 8'19	25° 7	14° 1	29°31	6°39	7°31	5°39	20°26	21°57	20°43	18° 6	18°44	7°48	7°38	M24
T 25	18 33 53	8° 5'31	8♈38	13°24	0♋45	7°14	7°40	5°36	20°24	21°59	20°43	18°R 6	18°41	7°55	7°35	T 25
W26	18 37 49	9° 2'43	22°30	12°45	1°59	7°50	7°50	5°32	20°23	22° 2	20°43	18° 6	18°37	8° 1	7°33	W26
T 27	18 41 46	9°59'56	6♉44	12° 5	3°12	8°25	7°59	5°28	20°21	22° 4	20°42	18° 5	18°34	8° 8	7°30	T 27
F 28	18 45 42	10°57'09	21°17	11°25	4°26	9° 1	8° 8	5°24	20°20	22° 6	20°42	18° 5	18°31	8°15	7°27	F 28
S 29	18 49 39	11°54'24	6♊ 5	10°45	5°40	9°37	8°18	5°20	20°18	22° 8	20°42	18° 4	18°28	8°21	7°24	S 29
S 30	18 53 35	12♋51'39	21♊ 2	10♋ 6	6♋53	10♍13	8♍28	5♒17	20♒16	22♊10	20♓41	18♑ 3	18♑25	8♐28	7♒22	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n44	23n35	4n 3	24n 5	0n55	19n53	0s40	14n53	1n13	11n 5	1n17	19s25	0s46	15s19	0s44	22n 6	1s10	18s38	16s19	22s17	22s 4	24s51	11s48	6n40
S 2	22 50	25 26	3 3	23 50	0 44	20 10	0 37	14 42	1 12	11 3	1 17	19 26	0 46	15 19	0 44	22 6	1 10	18 38	16 19	22 18	22 5	24 51	11 48	6 40
M 3	22 56	25 23	1 51	23 34	0 33	20 27	0 35	14 30	1 11	11 0	1 16	19 27	0 46	15 19	0 44	22 6	1 10	18 39	16 20	22 18	22 5	24 52	11 48	6 41
T 4	23 1	23 29	0 31	23 18	0 22	20 42	0 33	14 17	1 10	10 57	1 16	19 27	0 47	15 20	0 44	22 6	1 10	18 39	16 20	22 18	22 6	24 53	11 48	6 41
W 5	23 6	20 2	0s49	23 2	0 9	20 58	0 30	14 5	1 9	10 55	1 16	19 28	0 47	15 20	0 44	22 7	1 10	18 39	16 20	22 18	22 6	24 53	11 48	6 41
T 6	23 11	15 28	2 3	22 45	0s 3	21 12	0 28	13 53	1 8	10 52	1 16	19 29	0 47	15 20	0 44	22 7	1 10	18 39	16 21	22 18	22 6	24 54	11 49	6 42
F 7	23 15	10 14	3 9	22 28	0 17	21 26	0 26	13 40	1 7	10 49	1 16	19 30	0 47	15 21	0 44	22 7	1 10	18 40	16 21	22 18	22 7	24 54	11 49	6 42
S 8	23 19	4 42	4 2	22 10	0 31	21 40	0 23	13 28	1 6	10 46	1 16	19 30	0 47	15 21	0 44	22 7	1 10	18 40	16 22	22 18	22 7	24 55	11 49	6 42
S 9	23 22	0s53	4 40	21 53	0 45	21 53	0 21	13 15	1 6	10 44	1 15	19 31	0 47	15 21	0 44	22 7	1 10	18 40	16 22	22 18	22 8	24 55	11 49	6 43
M10	23 25	6 16	5 5	21 36	0 59	22 5	0 18	13 2	1 5	10 41	1 15	19 32	0 47	15 21	0 44	22 7	1 10	18 40	16 22	22 18	22 8	24 56	11 49	6 43
T 11	23 27	11 17	5 14	21 18	1 14	22 17	0 16	12 50	1 4	10 38	1 15	19 33	0 48	15 22	0 44	22 8	1 10	18 41	16 23	22 18	22 9	24 57	11 49	6 43
W12	23 29	15 47	5 9	21 1	1 29	22 28	0 14	12 37	1 3	10 35	1 15	19 34	0 48	15 22	0 44	22 8	1 10	18 41	16 23	22 18	22 9	24 57	11 50	6 44
T 13	23 31	19 37	4 51	20 45	1 45	22 38	0 11	12 24	1 2	10 32	1 15	19 34	0 48	15 23	0 45	22 8	1 10	18 41	16 23	22 19	22 10	24 58	11 50	6 44
F 14	23 32	22 38	4 21	20 29	2 0	22 48	0 9	12 11	1 1	10 29	1 15	19 35	0 48	15 23	0 45	22 8	1 10	18 42	16 24	22 19	22 10	24 58	11 50	6 44
S 15	23 33	24 40	3 39	20 13	2 16	22 57	0 6	11 57	1 0	10 25	1 14	19 36	0 48	15 23	0 45	22 8	1 10	18 42	16 24	22 20	22 11	24 59	11 50	6 45
S 16	23 33	25 36	2 48	19 58	2 31	23 6	0 4	11 44	0 59	10 22	1 14	19 37	0 48	15 24	0 45	22 8	1 10	18 42	16 25	22 20	22 11	24 59	11 51	6 45
M17	23 33	25 22	1 49	19 44	2 47	23 13	0 2	11 31	0 58	10 19	1 14	19 38	0 48	15 24	0 45	22 8	1 10	18 43	16 25	22 20	22 11	25 0	11 51	6 45
T 18	23 33	23 57	0 45	19 30	3 2	23 20	0n 1	11 17	0 57	10 16	1 14	19 39	0 49	15 25	0 45	22 9	1 10	18 43	16 25	22 20	22 12	25 0	11 51	6 45
W19	23 32	21 25	0n21	19 18	3 17	23 27	0 3	11 4	0 56	10 12	1 14	19 40	0 49	15 25	0 45	22 9	1 10	18 43	16 26	22 20	22 12	25 1	11 52	6 46
T 20	23 31	17 55	1 28	19 6	3 31	23 33	0 6	10 50	0 55	10 9	1 14	19 41	0 49	15 26	0 45	22 9	1 10	18 44	16 26	22 20	22 13	25 1	11 52	6 46
F 21	23 29	13 35	2 31	18 56	3 44	23 38	0 8	10 37	0 55	10 6	1 14	19 42	0 49	15 26	0 45	22 9	1 10	18 44	16 26	22 20	22 13	25 2	11 52	6 46
S 22	23 27	8 36	3 28	18 47	3 56	23 42	0 11	10 23	0 54	10 2	1 13	19 43	0 49	15 26	0 45	22 9	1 10	18 45	16 27	22 20	22 14	25 2	11 53	6 46
S 23	23 25	3 10	4 16	18 39	4 8	23 46	0 13	10 9	0 53	9 59	1 13	19 44	0 49	15 27	0 45	22 9	1 10	18 45	16 27	22 20	22 14	25 3	11 53	6 47
M24	23 22	2n31	4 52	18 32	4 18	23 49	0 15	9 55	0 52	9 55	1 13	19 45	0 49	15 28	0 45	22 9	1 10	18 45	16 27	22 20	22 15	25 3	11 54	6 47
T 25	23 19	8 13	5 13	18 27	4 28	23 51	0 18	9 41	0 51	9 52	1 13	19 46	0 49	15 28	0 45	22 9	1 10	18 46	16 28	22 20	22 15	25 3	11 54	6 47
W26	23 15	13 41	5 16	18 23	4 35	23 53	0 20	9 27	0 50	9 48	1 13	19 47	0 50	15 29	0 45	22 10	1 10	18 46	16 28	22 20	22 15	25 4	11 54	6 47
T 27	23 11	18 33	5 0	18 20	4 41	23 53	0 22	9 13	0 49	9 44	1 13	19 48	0 50	15 29	0 45	22 10	1 10	18 47	16 29	22 20	22 16	25 4	11 55	6 47
F 28	23 6	22 26	4 26	18 19	4 46	23 54	0 25	8 59	0 48	9 41	1 13	19 49	0 50	15 30	0 45	22 10	1 10	18 47	16 29	22 20	22 16	25 5	11 55	6 48
S 29	23 1	24 55	3 32	18 19	4 49	23 53	0 27	8 44	0 48	9 37	1 12	19 50	0 50	15 30	0 45	22 10	1 10	18 47	16 29	22 20	22 17	25 5	11 56	6 48
S 30	22n56	25n39	2n24	18n21	4s50	23n52	0n29	8n30	0n47	9n33	1n12	19s51	0s50	15s31	0s45	22n10	1s10	18s48	16s30	22s20	22s17	25s 6	11s56	6n48

Julian Day Number = 2115313.5, Delta T = 18m51s
Ecliptic obliquity = 23°33'34, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°54'26, Lahiri = 11°01'26 Julian Calendar 1 June 1079 == Greg. Calendar 7 June 1079

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1079
geocentric

JULY 1079 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 57 32	13♋48'55	6♋ 0	9°R29	8♋ 7	10♍48	8♍37	5°R13	20°R14	22♊12	20°R41	18°R 3	18♉21	8♐35	7°R19	M 1
T 2	19 1 28	14°46'11	20°50	8♋54	9°21	11°24	8°47	5♒ 8	20♒13	22°14	20♓41	18°D 3	18°18	8°41	7♒16	T 2
W 3	19 5 25	15°43'28	5♌26	8°22	10°35	12° 1	8°57	5° 4	20°11	22°17	20°40	18♉ 3	18°15	8°48	7°13	W 3
T 4	19 9 22	16°40'46	19°41	7°54	11°49	12°37	9° 7	5° 0	20° 9	22°19	20°40	18° 3	18°12	8°55	7°10	T 4
F 5	19 13 18	17°38'03	3♍32	7°30	13° 3	13°13	9°17	4°56	20° 7	22°21	20°40	18°R 3	18° 9	9° 1	7° 7	F 5
S 6	19 17 15	18°35'22	16°57	7°11	14°16	13°49	9°27	4°52	20° 5	22°23	20°39	18° 3	18° 6	9° 8	7° 4	S 6
S 7	19 21 11	19°32'41	29°58	6°57	15°30	14°26	9°38	4°48	20° 3	22°25	20°39	18° 3	18° 2	9°15	7° 1	S 7
M 8	19 25 8	20°30'00	12♎37	6°48	16°44	15° 2	9°48	4°43	20° 1	22°27	20°38	18° 3	17°59	9°21	6°58	M 8
T 9	19 29 4	21°27'20	24°57	6°D45	17°58	15°39	9°58	4°39	19°59	22°29	20°38	18°D 3	17°56	9°28	6°55	T 9
W10	19 33 1	22°24'40	7♏ 4	6°48	19°12	16°16	10° 9	4°35	19°57	22°31	20°37	18° 3	17°53	9°35	6°52	W10
T 11	19 36 57	23°22'01	19° 0	6°57	20°26	16°52	10°20	4°30	19°55	22°33	20°37	18° 4	17°50	9°41	6°49	T 11
F 12	19 40 54	24°19'23	0♐51	7°12	21°40	17°29	10°30	4°26	19°53	22°35	20°36	18° 4	17°47	9°48	6°45	F 12
S 13	19 44 51	25°16'45	12°41	7°34	22°54	18° 6	10°41	4°22	19°51	22°37	20°35	18° 5	17°43	9°55	6°42	S 13
S 14	19 48 47	26°14'08	24°34	8° 2	24° 8	18°43	10°52	4°17	19°49	22°39	20°35	18° 6	17°40	10° 1	6°39	S 14
M15	19 52 44	27°11'32	6♑31	8°36	25°22	19°20	11° 3	4°13	19°47	22°41	20°34	18° 6	17°37	10° 8	6°36	M15
T 16	19 56 40	28° 8'57	18°37	9°17	26°36	19°57	11°14	4° 8	19°45	22°42	20°34	18°R 7	17°34	10°15	6°33	T 16
W17	20 0 37	29° 6'23	0♒54	10° 4	27°50	20°35	11°25	4° 4	19°42	22°44	20°33	18° 6	17°31	10°22	6°30	W17
T 18	20 4 33	0♌ 3'50	13°22	10°57	29° 4	21°12	11°36	3°59	19°40	22°46	20°32	18° 5	17°27	10°28	6°26	T 18
F 19	20 8 30	1° 1'18	26° 3	11°56	0♌18	21°49	11°47	3°55	19°38	22°48	20°32	18° 4	17°24	10°35	6°23	F 19
S 20	20 12 26	1°58'48	8♓57	13° 1	1°32	22°27	11°58	3°50	19°36	22°50	20°31	18° 2	17°21	10°42	6°20	S 20
S 21	20 16 23	2°56'18	22° 5	14°12	2°46	23° 4	12°10	3°46	19°34	22°52	20°30	18° 0	17°18	10°48	6°17	S 21
M22	20 20 20	3°53'50	5♈28	15°29	4° 0	23°42	12°21	3°41	19°31	22°54	20°29	17°59	17°15	10°55	6°13	M22
T 23	20 24 16	4°51'23	19° 5	16°50	5°14	24°20	12°32	3°37	19°29	22°55	20°29	17°57	17°12	11° 2	6°10	T 23
W24	20 28 13	5°48'58	2♉57	18°17	6°29	24°58	12°44	3°32	19°27	22°57	20°28	17°D57	17° 8	11° 8	6° 7	W24
T 25	20 32 9	6°46'35	17° 2	19°49	7°43	25°35	12°55	3°28	19°24	22°59	20°27	17°57	17° 5	11°15	6° 4	T 25
F 26	20 36 6	7°44'13	1♊19	21°25	8°57	26°13	13° 7	3°23	19°22	23° 0	20°26	17°58	17° 2	11°22	6° 0	F 26
S 27	20 40 2	8°41'53	15°46	23° 5	10°11	26°51	13°19	3°19	19°20	23° 2	20°25	17°59	16°59	11°28	5°57	S 27
S 28	20 43 59	9°39'35	0♋19	24°49	11°25	27°30	13°30	3°14	19°17	23° 4	20°25	18° 0	16°56	11°35	5°54	S 28
M29	20 47 55	10°37'18	14°53	26°36	12°40	28° 8	13°42	3°10	19°15	23° 6	20°24	18°R 1	16°53	11°42	5°51	M29
T 30	20 51 52	11°35'02	29°24	28°27	13°54	28°46	13°54	3° 6	19°13	23° 7	20°23	18° 1	16°49	11°48	5°48	T 30
W31	20 55 49	12♌32'48	13♌44	0♌19	15♌ 8	29♍24	14♍ 6	3♒ 1	19♒10	23♊ 9	20♓22	17♉59	16♉46	11♐55	5♒44	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	22n50	24n32	1n 6	18n24	4s50	23n50	0n31	8n15	0n46	9n29	1n12	19s52	0s50	15s31	0s45	22n10	1s10	18s48	16s30	22s20	22s18	25s 6	11s57	6n48	
T 2	22 44	21 41	0s15	18 28	4 48	23 47	0 33	8 1	0 45	9 26	1 12	19 53	0 50	15 32	0 45	22 10	1 10	18 49	16 30	22 20	22 18	25 6	11 58	6 48	
W 3	22 38	17 28	1 35	18 34	4 44	23 44	0 36	7 46	0 44	9 22	1 12	19 55	0 50	15 33	0 45	22 10	1 10	18 49	16 31	22 20	22 18	25 7	11 58	6 49	
T 4	22 31	12 21	2 47	18 41	4 39	23 39	0 38	7 32	0 43	9 18	1 12	19 56	0 51	15 33	0 45	22 11	1 10	18 50	16 31	22 20	22 19	25 7	11 59	6 49	
F 5	22 23	6 45	3 47	18 49	4 32	23 35	0 40	7 17	0 42	9 14	1 12	19 57	0 51	15 34	0 45	22 11	1 10	18 50	16 31	22 20	22 19	25 8	11 59	6 49	
S 6	22 16	1 0	4 32	18 58	4 24	23 29	0 42	7 2	0 42	9 10	1 11	19 58	0 51	15 34	0 45	22 11	1 10	18 51	16 32	22 20	22 20	25 8	12 0	6 49	
S 7	22 8	4s36	5 2	19 8	4 15	23 23	0 44	6 47	0 41	9 6	1 11	19 59	0 51	15 35	0 45	22 11	1 10	18 51	16 32	22 20	22 20	25 8	12 0	6 49	
M 8	21 59	9 51	5 16	19 19	4 4	23 16	0 46	6 32	0 40	9 2	1 11	20 0	0 51	15 36	0 45	22 11	1 10	18 52	16 32	22 20	22 21	25 9	12 1	6 49	
T 9	21 50	14 35	5 15	19 31	3 52	23 8	0 48	6 17	0 39	8 58	1 11	20 1	0 51	15 36	0 45	22 11	1 10	18 52	16 33	22 20	22 21	25 9	12 2	6 49	
W10	21 41	18 39	5 0	19 44	3 40	23 0	0 50	6 2	0 38	8 54	1 11	20 3	0 51	15 37	0 45	22 11	1 10	18 53	16 33	22 20	22 21	25 9	12 2	6 50	
T 11	21 32	21 55	4 32	19 57	3 26	22 51	0 52	5 47	0 37	8 50	1 11	20 4	0 51	15 38	0 45	22 11	1 10	18 53	16 33	22 20	22 22	25 10	12 3	6 50	
F 12	21 22	24 14	3 53	20 10	3 12	22 41	0 54	5 32	0 37	8 45	1 11	20 5	0 51	15 38	0 45	22 11	1 10	18 54	16 34	22 20	22 22	25 10	12 4	6 50	
S 13	21 11	25 28	3 4	20 23	2 58	22 31	0 55	5 17	0 36	8 41	1 11	20 6	0 52	15 39	0 45	22 11	1 10	18 54	16 34	22 20	22 23	25 10	12 4	6 50	
S 14	21 1	25 34	2 7	20 37	2 42	22 20	0 57	5 1	0 35	8 37	1 11	20 7	0 52	15 40	0 45	22 12	1 10	18 55	16 34	22 20	22 23	25 11	12 5	6 50	
M15	20 50	24 28	1 4	20 50	2 27	22 8	0 59	4 46	0 34	8 33	1 10	20 8	0 52	15 40	0 45	22 12	1 10	18 55	16 35	22 20	22 24	25 11	12 6	6 50	
T 16	20 38	22 13	0n 3	21 3	2 11	21 56	1 1	4 31	0 33	8 28	1 10	20 9	0 52	15 41	0 45	22 12	1 10	18 56	16 35	22 20	22 24	25 11	12 7	6 50	
W17	20 26	18 55	1 10	21 15	1 56	21 43	1 2	4 15	0 33	8 24	1 10	20 11	0 52	15 42	0 45	22 12	1 10	18 56	16 35	22 20	22 24	25 12	12 7	6 50	
T 18	20 14	14 44	2 15	21 27	1 40	21 29	1 4	4 0	0 32	8 20	1 10	20 12	0 52	15 43	0 45	22 12	1 10	18 57	16 36	22 20	22 25	25 12	12 8	6 50	
F 19	20 2	9 51	3 15	21 37	1 24	21 15	1 5	3 44	0 31	8 15	1 10	20 13	0 52	15 43	0 45	22 12	1 10	18 58	16 36	22 20	22 25	25 12	12 9	6 50	
S 20	19 49	4 28	4 6	21 46	1 9	21 0	1 7	3 28	0 30	8 11	1 10	20 14	0 52	15 44	0 45	22 12	1 10	18 58	16 36	22 20	22 26	25 12	12 9	6 50	
S 21	19 36	1n12	4 44	21 54	0 54	20 45	1 8	3 13	0 29	8 7	1 10	20 15	0 52	15 45	0 45	22 12	1 10	18 59	16 36	22 20	22 26	25 13	12 10	6 50	
M22	19 23	6 54	5 8	22 1	0 39	20 29	1 10	2 57	0 29	8 2	1 10	20 16	0 52	15 45	0 45	22 12	1 10	18 59	16 37	22 21	22 26	25 13	12 11	6 50	
T 23	19 9	12 22	5 16	22 5	0 25	20 12	1 11	2 41	0 28	7 58	1 10	20 18	0 52	15 46	0 46	22 12	1 10	19 0	16 37	22 21	22 27	25 13	12 12	6 50	
W24	18 55	17 19	5 5	22 8	0 11	19 55	1 12	2 26	0 27	7 53	1 10	20 19	0 53	15 47	0 46	22 12	1 10	19 0	16 37	22 21	22 27	25 13	12 13	6 50	
T 25	18 40	21 25	4 36	22 8	0n 3	19 37	1 13	2 10	0 26	7 49	1 10	20 20	0 53	15 48	0 46	22 13	1 10	19 1	16 38	22 21	22 28	25 14	12 13	6 50	
F 26	18 26	24 16	3 50	22 6	0 15	19 19	1 15	1 54	0 25	7 44	1 9	20 21	0 53	15 48	0 46	22 13	1 10	19 1	16 38	22 21	22 28	25 14	12 14	6 50	
S 27	18 11	25 35	2 49	22 1	0 27	19 0	1 16	1 38	0 25	7 39	1 9	20 22	0 53	15 49	0 46	22 13	1 10	19 2	16 38	22 21	22 28	25 14	12 15	6 50	
S 28	17 55	25 10	1 36	21 54	0 39	18 40	1 17	1 22	0 24	7 35	1 9	20 23	0 53	15 50	0 46	22 13	1 10	19 3	16 38	22 20	22 29	25 14	12 16	6 50	
M29	17 40	23 1	0 17	21 44	0 49	18 20	1 18	1 6	0 23	7 30	1 9	20 24	0 53	15 51	0 46	22 13	1 10	19 3	16 39	22 20	22 29	25 15	12 17	6 50	
T 30	17 24	19 22	1s 2	21 32	0 59	18 0	1 19	0 50	0 22	7 26	1 9	20 25	0 53	15 51	0 46	22 13	1 10	19 4	16 39	22 20	22 30	25 15	12 17	6 50	
W31	17n 8	14n36	2s17	21n17	1n 7	17n39	1n20	0n34	0n22	7n21	1n 9	20s27	0s53	15s52	0s46	22n13	1s10	19s 4	16s39	22s21	22s30	25s15	12s18	6n50	

Julian Day Number = 2115343.5, Delta T = 18m51s
Ecliptic obliquity = 23°33'33, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°54'30, Lahiri = 11°01'30 Julian Calendar 1 July 1079 == Greg. Calendar 7 July 1079

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1079
geocentric

AUGUST 1079 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 59 45	13♌30'35	27♌50	2♌14	16♌23	0♎ 3	14♍18	2°R57	19°R 8	23♊10	20°R21	17°R56	16♉43	12♐ 2	5°R41	T 1
F 2	21 3 42	14°28'24	11♍37	4°11	17°37	0°41	14°30	2♒52	19♒ 6	23°12	20♓20	17♉53	16°40	12° 8	5♒38	F 2
S 3	21 7 38	15°26'14	25° 1	6° 8	18°51	1°20	14°42	2°48	19° 3	23°13	20°19	17°48	16°37	12°15	5°35	S 3
S 4	21 11 35	16°24'05	8♎ 4	8° 7	20° 6	1°59	14°54	2°44	19° 1	23°15	20°18	17°44	16°33	12°22	5°32	S 4
M 5	21 15 31	17°21'58	20°44	10° 6	21°20	2°37	15° 6	2°39	18°58	23°16	20°17	17°41	16°30	12°28	5°28	M 5
T 6	21 19 28	18°19'52	3♏ 6	12° 6	22°34	3°16	15°18	2°35	18°56	23°18	20°16	17°39	16°27	12°35	5°25	T 6
W 7	21 23 24	19°17'47	15°13	14° 5	23°49	3°55	15°31	2°31	18°54	23°19	20°15	17°D37	16°24	12°42	5°22	W 7
T 8	21 27 21	20°15'44	27°10	16° 5	25° 3	4°34	15°43	2°27	18°51	23°21	20°14	17°38	16°21	12°48	5°19	T 8
F 9	21 31 18	21°13'42	9♐ 0	18° 4	26°17	5°13	15°55	2°23	18°49	23°22	20°13	17°39	16°18	12°55	5°16	F 9
S 10	21 35 14	22°11'42	20°51	20° 2	27°32	5°52	16° 8	2°19	18°46	23°23	20°12	17°40	16°14	13° 2	5°13	S 10
S 11	21 39 11	23° 9'42	2♑45	22° 0	28°46	6°31	16°20	2°14	18°44	23°25	20°11	17°42	16°11	13° 8	5°10	S 11
M12	21 43 7	24° 7'45	14°48	23°57	0♍ 1	7°11	16°33	2°10	18°42	23°26	20°10	17°R43	16° 8	13°15	5° 7	M12
T 13	21 47 4	25° 5'49	27° 3	25°53	1°15	7°50	16°45	2° 7	18°39	23°27	20° 9	17°42	16° 5	13°22	5° 4	T 13
W14	21 51 0	26° 3'54	9♒32	27°48	2°30	8°29	16°57	2° 3	18°37	23°29	20° 8	17°40	16° 2	13°28	5° 1	W14
T 15	21 54 57	27° 2'01	22°18	29°41	3°44	9° 9	17°10	1°59	18°34	23°30	20° 7	17°37	15°59	13°35	4°58	T 15
F 16	21 58 53	28° 0'10	5♓20	1♍34	4°59	9°48	17°23	1°55	18°32	23°31	20° 6	17°31	15°55	13°42	4°55	F 16
S 17	22 2 50	28°58'21	18°38	3°26	6°13	10°28	17°35	1°51	18°30	23°32	20° 5	17°24	15°52	13°48	4°52	S 17
S 18	22 6 47	29°56'33	2♈11	5°16	7°27	11° 8	17°48	1°47	18°27	23°33	20° 4	17°17	15°49	13°55	4°50	S 18
M19	22 10 43	0♍54'48	15°55	7° 6	8°42	11°47	18° 1	1°44	18°25	23°34	20° 3	17°11	15°46	14° 2	4°47	M19
T 20	22 14 40	1°53'04	29°49	8°54	9°56	12°27	18°13	1°40	18°23	23°35	20° 1	17° 6	15°43	14° 8	4°44	T 20
W21	22 18 36	2°51'23	13♉50	10°41	11°11	13° 7	18°26	1°37	18°20	23°36	20° 0	17° 2	15°39	14°15	4°41	W21
T 22	22 22 33	3°49'44	27°55	12°27	12°25	13°47	18°39	1°33	18°18	23°37	19°59	17°D 1	15°36	14°22	4°39	T 22
F 23	22 26 29	4°48'07	12♊ 4	14°11	13°40	14°27	18°51	1°30	18°16	23°38	19°58	17° 1	15°33	14°28	4°36	F 23
S 24	22 30 26	5°46'32	26°15	15°55	14°55	15° 7	19° 4	1°27	18°14	23°39	19°57	17° 2	15°30	14°35	4°33	S 24
S 25	22 34 22	6°45'00	10♋25	17°38	16° 9	15°48	19°17	1°23	18°11	23°40	19°56	17°R 2	15°27	14°42	4°31	S 25
M26	22 38 19	7°43'29	24°34	19°19	17°24	16°28	19°30	1°20	18° 9	23°41	19°55	17° 2	15°24	14°48	4°28	M26
T 27	22 42 16	8°42'01	8♌38	20°59	18°38	17° 8	19°43	1°17	18° 7	23°42	19°53	17° 0	15°20	14°55	4°26	T 27
W28	22 46 12	9°40'35	22°35	22°39	19°53	17°49	19°56	1°14	18° 5	23°43	19°52	16°56	15°17	15° 2	4°23	W28
T 29	22 50 9	10°39'11	6♍21	24°17	21° 7	18°29	20° 9	1°11	18° 3	23°44	19°51	16°49	15°14	15° 8	4°21	T 29
F 30	22 54 5	11°37'49	19°53	25°54	22°22	19°10	20°21	1° 8	18° 1	23°44	19°50	16°41	15°11	15°15	4°19	F 30
S 31	22 58 2	12♍36'29	3♎ 8	27♍30	23♍37	19♎50	20♍34	1♒ 5	17♒58	23♊45	19♓49	16♉31	15♉ 8	15♐22	4♒16	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n51	9n 8	3s22	20n59	1n15	17n17	1n20	0n18	0n21	7n16	1n 9	20s28	0s53	15s53	0s46	22n13	1s10	19s 5	16s39	22s21	22s30	25s15	12s19	6n50
F 2	16 34	3 21	4 13	20 38	1 22	16 55	1 21	0 2	0 20	7 11	1 9	20 29	0 53	15 54	0 46	22 13	1 10	19 5	16 40	22 22	22 31	25 15	12 20	6 50
S 3	16 17	2s26	4 49	20 15	1 28	16 33	1 22	0s14	0 19	7 7	1 9	20 30	0 53	15 54	0 46	22 13	1 10	19 6	16 40	22 22	22 31	25 16	12 21	6 49
S 4	16 0	7 56	5 9	19 50	1 33	16 10	1 22	0 30	0 19	7 2	1 9	20 31	0 53	15 55	0 46	22 13	1 10	19 7	16 40	22 23	22 32	25 16	12 22	6 49
M 5	15 42	12 57	5 13	19 22	1 37	15 46	1 23	0 47	0 18	6 57	1 9	20 32	0 53	15 56	0 46	22 13	1 10	19 7	16 40	22 23	22 32	25 16	12 23	6 49
T 6	15 25	17 20	5 2	18 52	1 41	15 22	1 23	1 3	0 17	6 52	1 9	20 33	0 53	15 57	0 46	22 13	1 10	19 8	16 40	22 23	22 32	25 16	12 23	6 49
W 7	15 7	20 54	4 38	18 20	1 43	14 58	1 24	1 19	0 16	6 48	1 9	20 34	0 54	15 57	0 46	22 13	1 10	19 8	16 41	22 24	22 33	25 16	12 24	6 49
T 8	14 48	23 33	4 2	17 46	1 45	14 34	1 24	1 35	0 16	6 43	1 9	20 35	0 54	15 58	0 46	22 13	1 10	19 9	16 41	22 23	22 33	25 16	12 25	6 49
F 9	14 30	25 8	3 16	17 11	1 46	14 8	1 25	1 51	0 15	6 38	1 9	20 36	0 54	15 59	0 46	22 13	1 10	19 10	16 41	22 23	22 34	25 16	12 26	6 49
S 10	14 11	25 36	2 22	16 34	1 47	13 43	1 25	2 8	0 14	6 33	1 9	20 37	0 54	16 0	0 46	22 13	1 10	19 10	16 41	22 23	22 34	25 17	12 27	6 49
S 11	13 52	24 53	1 21	15 55	1 46	13 17	1 25	2 24	0 13	6 28	1 8	20 38	0 54	16 0	0 46	22 13	1 10	19 11	16 41	22 23	22 34	25 17	12 28	6 48
M12	13 33	23 0	0 16	15 16	1 46	12 51	1 25	2 40	0 13	6 23	1 8	20 39	0 54	16 1	0 46	22 14	1 10	19 11	16 42	22 23	22 35	25 17	12 29	6 48
T 13	13 13	20 2	0n51	14 35	1 44	12 25	1 25	2 57	0 12	6 18	1 8	20 40	0 54	16 2	0 46	22 14	1 10	19 12	16 42	22 23	22 35	25 17	12 30	6 48
W14	12 54	16 6	1 56	13 54	1 42	11 58	1 25	3 13	0 11	6 13	1 8	20 41	0 54	16 3	0 46	22 14	1 10	19 12	16 42	22 23	22 35	25 17	12 30	6 48
T 15	12 34	11 22	2 57	13 11	1 39	11 31	1 25	3 29	0 10	6 8	1 8	20 42	0 54	16 3	0 46	22 14	1 10	19 13	16 42	22 24	22 36	25 17	12 31	6 48
F 16	12 14	6 3	3 50	12 28	1 36	11 3	1 25	3 45	0 10	6 3	1 8	20 43	0 54	16 4	0 46	22 14	1 10	19 14	16 42	22 24	22 36	25 17	12 32	6 47
S 17	11 53	0 22	4 31	11 44	1 33	10 35	1 25	4 2	0 9	5 58	1 8	20 43	0 54	16 5	0 46	22 14	1 10	19 14	16 42	22 25	22 37	25 17	12 33	6 47
S 18	11 33	5n25	4 58	11 0	1 29	10 7	1 24	4 18	0 8	5 54	1 8	20 44	0 54	16 6	0 46	22 14	1 10	19 15	16 43	22 26	22 37	25 17	12 34	6 47
M19	11 12	11 2	5 9	10 16	1 25	9 39	1 24	4 34	0 7	5 48	1 8	20 45	0 54	16 6	0 46	22 14	1 10	19 15	16 43	22 27	22 37	25 17	12 35	6 47
T 20	10 51	16 9	5 1	9 31	1 20	9 10	1 24	4 51	0 7	5 43	1 8	20 46	0 54	16 7	0 46	22 14	1 11	19 16	16 43	22 28	22 38	25 17	12 36	6 46
W21	10 30	20 27	4 36	8 45	1 15	8 41	1 23	5 7	0 6	5 38	1 8	20 47	0 54	16 8	0 46	22 14	1 11	19 16	16 43	22 28	22 38	25 18	12 37	6 46
T 22	10 9	23 35	3 54	8 0	1 10	8 12	1 23	5 23	0 5	5 33	1 8	20 48	0 54	16 8	0 46	22 14	1 11	19 17	16 43	22 28	22 39	25 18	12 37	6 46
F 23	9 48	25 17	2 57	7 14	1 4	7 43	1 22	5 39	0 5	5 28	1 8	20 48	0 54	16 9	0 46	22 14	1 11	19 18	16 43	22 28	22 39	25 18	12 38	6 46
S 24	9 26	25 20	1 50	6 29	0 58	7 13	1 21	5 56	0 4	5 23	1 8	20 49	0 54	16 10	0 46	22 14	1 11	19 18	16 43	22 28	22 39	25 18	12 39	6 45
S 25	9 5	23 44	0 36	5 43	0 52	6 44	1 21	6 12	0 3	5 18	1 8	20 50	0 54	16 11	0 46	22 14	1 11	19 19	16 43	22 28	22 40	25 18	12 40	6 45
M26	8 43	20 39	0s40	4 57	0 46	6 14	1 20	6 28	0 2	5 13	1 8	20 51	0 54	16 11	0 46	22 14	1 11	19 19	16 44	22 28	22 40	25 18	12 41	6 45
T 27	8 21	16 22	1 54	4 12	0 40	5 44	1 19	6 44	0 2	5 8	1 8	20 51	0 54	16 12	0 46	22 14	1 11	19 20	16 44	22 28	22 40	25 18	12 42	6 45
W28	7 59	11 14	2 59	3 26	0 33	5 13	1 18	7 0	0 1	5 3	1 8	20 52	0 54	16 13	0 46	22 14	1 11	19 20	16 44	22 29	22 41	25 18	12 43	6 44
T 29	7 37	5 37	3 53	2 41	0 26	4 43	1 17	7 17	0 0	4 58	1 8	20 53	0 54	16 13	0 46	22 14	1 11	19 21	16 44	22 30	22 41	25 18	12 43	6 44
F 30	7 14	0s 9	4 33	1 56	0 19	4 13	1 16	7 33	0s 0	4 53	1 8	20 53	0 54	16 14	0 45	22 14	1 11	19 21	16 44	22 31	22 41	25 18	12 44	6 44
S 31	6n52	5s47	4s57	1n11	0n12	3n42	1n15	7s49	0s 1	4n48	1n 8	20s54	0s54	16s15	0s45	22n14	1s11	19s22	16s44	22s32	22s42	25s18	12s45	6n43

Julian Day Number = 2115374.5, Delta T = 18m51s
Ecliptic obliquity = 23°33'34, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°54'34, Lahiri = 11°01'35 Julian Calendar 1 Aug. 1079 == Greg. Calendar 7 Aug. 1079

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1079
geocentric

SEPTEMBER 1079 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 1 58	13♍35'10	16♎ 4	29♍ 5	24♍51	20♎31	20♍47	1°R 3	17°R56	23♊46	19°R48	16°R21	15♉ 4	15♐28	4°R14	S 1
M 2	23 5 55	14°33'54	28°41	0♎40	26° 6	21°12	21° 0	1♒ 0	17♒54	23°47	19♓46	16♉12	15° 1	15°35	4♒12	M 2
T 3	23 9 51	15°32'39	11♏ 2	2°13	27°20	21°53	21°13	0°57	17°52	23°47	19°45	16° 5	14°58	15°42	4°10	T 3
W 4	23 13 48	16°31'27	23° 8	3°45	28°35	22°34	21°26	0°55	17°50	23°48	19°44	16° 0	14°55	15°48	4° 8	W 4
T 5	23 17 45	17°30'16	5♐ 3	5°16	29°50	23°15	21°39	0°53	17°48	23°48	19°43	15°57	14°52	15°55	4° 6	T 5
F 6	23 21 41	18°29'07	16°53	6°46	1♎ 4	23°56	21°52	0°50	17°46	23°49	19°42	15°D56	14°49	16° 2	4° 4	F 6
S 7	23 25 38	19°27'59	28°43	8°16	2°19	24°37	22° 5	0°48	17°44	23°49	19°40	15°56	14°45	16° 8	4° 2	S 7
S 8	23 29 34	20°26'54	10♉37	9°44	3°33	25°18	22°18	0°46	17°42	23°50	19°39	15°R57	14°42	16°15	4° 0	S 8
M 9	23 33 31	21°25'50	22°42	11°12	4°48	25°59	22°31	0°44	17°40	23°50	19°38	15°57	14°39	16°22	3°58	M 9
T 10	23 37 27	22°24'48	5♒ 2	12°38	6° 3	26°41	22°44	0°42	17°39	23°51	19°37	15°55	14°36	16°28	3°56	T 10
W11	23 41 24	23°23'48	17°40	14° 3	7°17	27°22	22°57	0°40	17°37	23°51	19°36	15°51	14°33	16°35	3°55	W11
T 12	23 45 20	24°22'50	0♓40	15°28	8°32	28° 4	23°10	0°38	17°35	23°51	19°34	15°44	14°30	16°42	3°53	T 12
F 13	23 49 17	25°21'53	14° 1	16°51	9°46	28°45	23°23	0°37	17°33	23°52	19°33	15°35	14°26	16°48	3°51	F 13
S 14	23 53 13	26°20'59	27°43	18°13	11° 1	29°27	23°36	0°35	17°32	23°52	19°32	15°24	14°23	16°55	3°50	S 14
S 15	23 57 10	27°20'07	11♈42	19°34	12°16	0♏ 8	23°49	0°34	17°30	23°52	19°31	15°13	14°20	17° 2	3°48	S 15
M16	0 1 7	28°19'17	25°54	20°54	13°30	0°50	24° 2	0°32	17°28	23°52	19°30	15° 2	14°17	17° 8	3°47	M16
T 17	0 5 3	29°18'29	10♉13	22°13	14°45	1°32	24°15	0°31	17°27	23°53	19°28	14°53	14°14	17°15	3°46	T 17
W18	0 9 0	0♎17'44	24°34	23°30	15°59	2°14	24°28	0°30	17°25	23°53	19°27	14°46	14°10	17°22	3°44	W18
T 19	0 12 56	1°17'01	8♊52	24°46	17°14	2°56	24°41	0°29	17°24	23°53	19°26	14°42	14° 7	17°28	3°43	T 19
F 20	0 16 53	2°16'20	23° 5	26° 1	18°29	3°38	24°54	0°28	17°22	23°53	19°25	14°41	14° 4	17°35	3°42	F 20
S 21	0 20 49	3°15'42	7♋10	27°14	19°43	4°20	25° 7	0°27	17°21	23°R53	19°24	14°40	14° 1	17°42	3°41	S 21
S 22	0 24 46	4°15'06	21° 7	28°25	20°58	5° 2	25°20	0°26	17°19	23°53	19°23	14°40	13°58	17°48	3°40	S 22
M23	0 28 42	5°14'33	4♌56	29°35	22°12	5°44	25°33	0°25	17°18	23°53	19°22	14°39	13°55	17°55	3°39	M23
T 24	0 32 39	6°14'02	18°37	0♏43	23°27	6°27	25°46	0°25	17°17	23°53	19°20	14°36	13°51	18° 1	3°38	T 24
W25	0 36 36	7°13'33	2♍ 9	1°48	24°42	7° 9	25°59	0°24	17°15	23°53	19°19	14°29	13°48	18° 8	3°37	W25
T 26	0 40 32	8°13'06	15°30	2°52	25°56	7°51	26°12	0°24	17°14	23°53	19°18	14°20	13°45	18°15	3°36	T 26
F 27	0 44 29	9°12'42	28°41	3°53	27°11	8°34	26°25	0°24	17°13	23°52	19°17	14° 8	13°42	18°21	3°35	F 27
S 28	0 48 25	10°12'19	11♎38	4°51	28°26	9°17	26°38	0°23	17°12	23°52	19°16	13°55	13°39	18°28	3°35	S 28
S 29	0 52 22	11°11'59	24°21	5°46	29°40	9°59	26°50	0°D23	17°11	23°52	19°15	13°41	13°36	18°35	3°34	S 29
M30	0 56 18	12♎11'41	6♏49	6♏38	0♏55	10♏42	27♍ 3	0♒23	17♒ 9	23♊52	19♓14	13♉28	13♉32	18♐41	3♒34	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n29	11s 2	5s 5	0n27	0n 5	3n11	1n14	8s 5	0s 2	4n42	1n 8	20s55	0s54	16s15	0s45	22n14	1s11	19s22	16s44	22s33	22s42	25s18	12s46	6n43
M 2	6 6	15 42	4 58	0s18	0s 2	2 40	1 13	8 21	0 3	4 37	1 8	20 55	0 54	16 16	0 45	22 14	1 11	19 23	16 44	22 34	22 43	25 18	12 47	6 43
T 3	5 44	19 35	4 37	1 2	0 9	2 9	1 11	8 37	0 3	4 32	1 8	20 56	0 54	16 16	0 45	22 14	1 11	19 24	16 44	22 35	22 43	25 18	12 47	6 42
W 4	5 21	22 35	4 4	1 45	0 17	1 38	1 10	8 53	0 4	4 27	1 8	20 56	0 54	16 17	0 45	22 14	1 11	19 24	16 44	22 36	22 43	25 18	12 48	6 42
T 5	4 58	24 32	3 20	2 28	0 24	1 7	1 9	9 9	0 5	4 22	1 8	20 57	0 54	16 18	0 45	22 14	1 11	19 25	16 44	22 36	22 44	25 18	12 49	6 42
F 6	4 35	25 23	2 29	3 11	0 32	0 36	1 7	9 25	0 5	4 17	1 8	20 57	0 54	16 18	0 45	22 14	1 11	19 25	16 44	22 36	22 44	25 17	12 50	6 41
S 7	4 11	25 4	1 31	3 54	0 39	0 5	1 6	9 41	0 6	4 12	1 8	20 58	0 54	16 19	0 45	22 14	1 11	19 26	16 44	22 36	22 44	25 17	12 51	6 41
S 8	3 48	23 36	0 28	4 35	0 47	0s26	1 4	9 56	0 7	4 6	1 8	20 58	0 54	16 19	0 45	22 14	1 11	19 26	16 44	22 36	22 45	25 17	12 51	6 41
M 9	3 25	21 3	0n36	5 17	0 54	0 58	1 3	10 12	0 7	4 1	1 8	20 59	0 55	16 20	0 45	22 14	1 11	19 26	16 44	22 36	22 45	25 17	12 52	6 40
T 10	3 2	17 29	1 40	5 58	1 2	1 29	1 1	10 28	0 8	3 56	1 8	20 59	0 55	16 20	0 45	22 14	1 11	19 27	16 44	22 36	22 45	25 17	12 53	6 40
W11	2 38	13 4	2 40	6 38	1 9	2 0	0 59	10 43	0 9	3 51	1 8	21 0	0 55	16 21	0 45	22 14	1 11	19 27	16 44	22 37	22 46	25 17	12 54	6 40
T 12	2 15	7 57	3 34	7 17	1 16	2 31	0 57	10 59	0 9	3 46	1 8	21 0	0 55	16 21	0 45	22 14	1 11	19 28	16 44	22 38	22 46	25 17	12 54	6 39
F 13	1 51	2 21	4 18	7 56	1 24	3 2	0 56	11 14	0 10	3 41	1 8	21 0	0 55	16 22	0 45	22 14	1 11	19 28	16 44	22 39	22 46	25 17	12 55	6 39
S 14	1 28	3n29	4 48	8 35	1 31	3 33	0 54	11 30	0 11	3 36	1 8	21 1	0 55	16 23	0 45	22 14	1 11	19 29	16 44	22 40	22 47	25 17	12 56	6 38
S 15	1 4	9 16	5 1	9 12	1 38	4 5	0 52	11 45	0 11	3 30	1 8	21 1	0 55	16 23	0 45	22 14	1 11	19 29	16 44	22 41	22 47	25 17	12 57	6 38
M16	0 40	14 39	4 56	9 49	1 45	4 35	0 50	12 1	0 12	3 25	1 8	21 1	0 55	16 23	0 45	22 14	1 11	19 30	16 44	22 42	22 47	25 17	12 57	6 38
T 17	0 17	19 16	4 33	10 25	1 52	5 6	0 48	12 16	0 13	3 20	1 8	21 2	0 55	16 24	0 45	22 14	1 11	19 30	16 44	22 43	22 48	25 16	12 58	6 37
W18	0s 7	22 46	3 52	11 1	1 59	5 37	0 46	12 31	0 13	3 15	1 8	21 2	0 55	16 24	0 45	22 14	1 11	19 30	16 44	22 44	22 48	25 16	12 59	6 37
T 19	0 31	24 49	2 57	11 35	2 6	6 8	0 44	12 46	0 14	3 10	1 8	21 2	0 55	16 25	0 45	22 14	1 11	19 31	16 44	22 45	22 48	25 16	12 59	6 36
F 20	0 54	25 14	1 52	12 9	2 12	6 38	0 42	13 1	0 15	3 5	1 8	21 2	0 55	16 25	0 45	22 14	1 11	19 31	16 44	22 45	22 49	25 16	13 0	6 36
S 21	1 18	24 1	0 40	12 41	2 18	7 9	0 39	13 16	0 15	3 0	1 8	21 3	0 55	16 26	0 45	22 14	1 12	19 32	16 44	22 45	22 49	25 16	13 1	6 36
S 22	1 42	21 20	0s34	13 13	2 25	7 39	0 37	13 31	0 16	2 54	1 8	21 3	0 54	16 26	0 45	22 14	1 12	19 32	16 44	22 45	22 49	25 16	13 1	6 35
M23	2 6	17 26	1 45	13 43	2 30	8 9	0 35	13 46	0 17	2 49	1 8	21 3	0 54	16 27	0 45	22 14	1 12	19 32	16 44	22 45	22 50	25 15	13 2	6 35
T 24	2 29	12 38	2 49	14 13	2 36	8 39	0 33	14 0	0 17	2 44	1 8	21 3	0 54	16 27	0 45	22 13	1 12	19 33	16 43	22 45	22 50	25 15	13 3	6 34
W25	2 53	7 18	3 43	14 41	2 41	9 9	0 30	14 15	0 18	2 39	1 8	21 3	0 54	16 27	0 45	22 13	1 12	19 33	16 43	22 46	22 50	25 15	13 3	6 34
T 26	3 17	1 42	4 23	15 7	2 46	9 38	0 28	14 30	0 19	2 34	1 8	21 3	0 54	16 28	0 45	22 13	1 12	19 34	16 43	22 47	22 51	25 15	13 4	6 33
F 27	3 40	3s53	4 49	15 33	2 50	10 7	0 26	14 44	0 19	2 29	1 9	21 3	0 54	16 28	0 45	22 13	1 12	19 34	16 43	22 48	22 51	25 15	13 4	6 33
S 28	4 4	9 13	5 0	15 56	2 55	10 36	0 23	14 58	0 20	2 24	1 9	21 3	0 54	16 28	0 45	22 13	1 12	19 34	16 43	22 50	22 51	25 14	13 5	6 33
S 29	4 27	14 3	4 55	16 19	2 58	11 5	0 21	15 12	0 20	2 19	1 9	21 3	0 54	16 29	0 45	22 13	1 12	19 35	16 43	22 51	22 52	25 14	13 6	6 32
M30	4s51	18s12	4s36	16s39	3s 1	11s34	0n18	15s26	0s21	2n14	1n 9	21s 3	0s54	16s29	0s45	22n13	1s12	19s35	16s43	22s52	22s52	25s14	13s 6	6n32

Julian Day Number = 2115405.5, Delta T = 18m51s
Ecliptic obliquity = 23°33'34, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°54'39, Lahiri = 11°01'39 Julian Calendar 1 Sept. 1079 == Greg. Calendar 7 Sept. 1079

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1079
geocentric

OCTOBER 1079 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 0 15	13♎11'25	19♏ 3	7♏26	2♏ 9	11♏25	27♍16	0♒23	17°R 8	23°R51	19°R13	13°R17	13♉29	18♐48	3°R33	T 1
W 2	1 4 11	14°11'10	1♐ 6	8°11	3°24	12° 8	27°29	0°24	17♒ 7	23♊51	19♓12	13♉ 9	13°26	18°55	3♒33	W 2
T 3	1 8 8	15°10'58	12°59	8°51	4°39	12°51	27°41	0°24	17° 7	23°51	19°10	13° 3	13°23	19° 1	3°33	T 3
F 4	1 12 5	16°10'47	24°47	9°26	5°53	13°33	27°54	0°24	17° 6	23°50	19° 9	13° 1	13°20	19° 8	3°32	F 4
S 5	1 16 1	17°10'38	6♉34	9°55	7° 8	14°17	28° 7	0°25	17° 5	23°50	19° 8	13° 0	13°16	19°15	3°32	S 5
S 6	1 19 58	18°10'31	18°27	10°19	8°22	15° 0	28°19	0°26	17° 4	23°49	19° 7	13° 0	13°13	19°21	3°32	S 6
M 7	1 23 54	19°10'25	0♒30	10°36	9°37	15°43	28°32	0°26	17° 3	23°49	19° 6	12°59	13°10	19°28	3°D32	M 7
T 8	1 27 51	20°10'21	12°49	10°46	10°51	16°26	28°45	0°27	17° 3	23°48	19° 5	12°58	13° 7	19°35	3°32	T 8
W 9	1 31 47	21°10'19	25°29	10°R48	12° 6	17° 9	28°57	0°28	17° 2	23°48	19° 4	12°54	13° 4	19°41	3°32	W 9
T 10	1 35 44	22°10'18	8♓34	10°42	13°20	17°53	29°10	0°29	17° 1	23°47	19° 3	12°47	13° 1	19°48	3°32	T 10
F 11	1 39 40	23°10'20	22° 5	10°28	14°35	18°36	29°22	0°30	17° 1	23°46	19° 2	12°38	12°57	19°55	3°32	F 11
S 12	1 43 37	24°10'22	6♈ 2	10° 3	15°50	19°20	29°35	0°32	17° 0	23°46	19° 1	12°27	12°54	20° 1	3°33	S 12
S 13	1 47 34	25°10'27	20°22	9°30	17° 4	20° 3	29°47	0°33	17° 0	23°45	19° 1	12°15	12°51	20° 8	3°33	S 13
M14	1 51 30	26°10'34	4♉59	8°47	18°19	20°47	29°59	0°34	16°59	23°44	19° 0	12° 4	12°48	20°15	3°33	M14
T 15	1 55 27	27°10'42	19°45	7°55	19°33	21°30	0♎12	0°36	16°59	23°44	18°59	11°54	12°45	20°21	3°34	T 15
W16	1 59 23	28°10'53	4♊32	6°54	20°48	22°14	0°24	0°38	16°59	23°43	18°58	11°47	12°41	20°28	3°35	W16
T 17	2 3 20	29°11'06	19°12	5°46	22° 2	22°58	0°36	0°39	16°58	23°42	18°57	11°43	12°38	20°35	3°35	T 17
F 18	2 7 16	0♏11'21	3♋41	4°32	23°17	23°42	0°48	0°41	16°58	23°41	18°56	11°41	12°35	20°41	3°36	F 18
S 19	2 11 13	1°11'37	17°54	3°14	24°31	24°26	1° 0	0°43	16°58	23°40	18°55	11°D41	12°32	20°48	3°37	S 19
S 20	2 15 9	2°11'56	1♌52	1°54	25°46	25°10	1°12	0°45	16°58	23°39	18°54	11°R41	12°29	20°55	3°37	S 20
M21	2 19 6	3°12'17	15°33	0°36	27° 0	25°54	1°24	0°47	16°58	23°38	18°54	11°40	12°26	21° 1	3°38	M21
T 22	2 23 3	4°12'40	29° 0	29♎21	28°14	26°38	1°36	0°50	16°D58	23°38	18°53	11°38	12°22	21° 8	3°39	T 22
W23	2 26 59	5°13'05	12♍13	28°12	29°29	27°22	1°48	0°52	16°58	23°37	18°52	11°33	12°19	21°15	3°40	W23
T 24	2 30 56	6°13'32	25°13	27°11	0♐43	28° 6	2° 0	0°54	16°58	23°36	18°51	11°25	12°16	21°21	3°41	T 24
F 25	2 34 52	7°14'01	8♎ 2	26°20	1°58	28°51	2°12	0°57	16°58	23°34	18°51	11°14	12°13	21°28	3°43	F 25
S 26	2 38 49	8°14'31	20°39	25°39	3°12	29°35	2°24	0°59	16°58	23°33	18°50	11° 3	12°10	21°35	3°44	S 26
S 27	2 42 45	9°15'03	3♏ 5	25°10	4°27	0♐19	2°35	1° 2	16°59	23°32	18°49	10°50	12° 7	21°41	3°45	S 27
M28	2 46 42	10°15'37	15°21	24°53	5°41	1° 4	2°47	1° 5	16°59	23°31	18°48	10°39	12° 3	21°48	3°47	M28
T 29	2 50 38	11°16'12	27°26	24°D48	6°56	1°48	2°58	1° 8	16°59	23°30	18°48	10°29	12° 0	21°54	3°48	T 29
W30	2 54 35	12°16'49	9♐22	24°53	8°10	2°33	3°10	1°11	17° 0	23°29	18°47	10°22	11°57	22° 1	3°49	W30
T 31	2 58 32	13♏17'28	21♐12	25♎ 9	9♐24	3♐18	3♎21	1♒14	17♒ 0	23♊28	18♓47	10♉17	11♉54	22♐ 8	3♒51	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	5s14	21s29	4s 4	16s57	3s 4	12s 2	0n16	15s40	0s22	2n 9	1n 9	21s 3	0s54	16s29	0s45	22n13	1s12	19s35	16s43	22s54	22s52	25s14	13s 7	6n31	
W 2	5 37	23 47	3 22	17 14	3 6	12 30	0 13	15 54	0 22	2 4	1 9	21 3	0 54	16 29	0 45	22 13	1 12	19 35	16 42	22 54	22 53	25 14	13 7	6 31	
T 3	6 1	24 59	2 32	17 28	3 7	12 58	0 11	16 8	0 23	1 59	1 9	21 3	0 54	16 30	0 45	22 13	1 12	19 36	16 42	22 55	22 53	25 13	13 8	6 30	
F 4	6 24	25 2	1 35	17 40	3 7	13 25	0 8	16 22	0 24	1 54	1 9	21 3	0 54	16 30	0 45	22 13	1 12	19 36	16 42	22 55	22 53	25 13	13 8	6 30	
S 5	6 47	23 58	0 34	17 49	3 7	13 52	0 6	16 35	0 24	1 49	1 9	21 3	0 54	16 30	0 45	22 13	1 12	19 36	16 42	22 55	22 54	25 13	13 9	6 29	
S 6	7 10	21 48	0n29	17 55	3 5	14 19	0 3	16 49	0 25	1 44	1 9	21 3	0 54	16 30	0 45	22 13	1 12	19 37	16 42	22 55	22 54	25 13	13 9	6 29	
M 7	7 33	18 39	1 31	17 58	3 3	14 45	0 0	17 2	0 25	1 39	1 9	21 3	0 54	16 31	0 45	22 13	1 12	19 37	16 42	22 55	22 54	25 12	13 10	6 29	
T 8	7 55	14 38	2 31	17 58	2 59	15 11	0s 2	17 15	0 26	1 34	1 9	21 2	0 54	16 31	0 45	22 13	1 12	19 37	16 41	22 55	22 55	25 12	13 10	6 28	
W 9	8 18	9 52	3 25	17 54	2 54	15 37	0 5	17 28	0 27	1 29	1 9	21 2	0 54	16 31	0 45	22 13	1 12	19 37	16 41	22 56	22 55	25 12	13 10	6 28	
T 10	8 41	4 32	4 10	17 46	2 48	16 2	0 7	17 41	0 27	1 24	1 9	21 2	0 54	16 31	0 44	22 13	1 12	19 37	16 41	22 56	22 55	25 11	13 11	6 27	
F 11	9 3	1n10	4 42	17 33	2 39	16 27	0 10	17 54	0 28	1 19	1 9	21 2	0 54	16 31	0 44	22 13	1 12	19 38	16 41	22 57	22 55	25 11	13 11	6 27	
S 12	9 25	6 59	4 59	17 16	2 30	16 52	0 13	18 6	0 28	1 14	1 10	21 1	0 54	16 31	0 44	22 13	1 12	19 38	16 41	22 58	22 56	25 11	13 12	6 26	
S 13	9 47	12 35	4 58	16 55	2 18	17 16	0 15	18 18	0 29	1 9	1 10	21 1	0 54	16 31	0 44	22 13	1 12	19 38	16 40	22 59	22 56	25 11	13 12	6 26	
M14	10 9	17 36	4 38	16 28	2 5	17 39	0 18	18 31	0 30	1 4	1 10	21 1	0 54	16 32	0 44	22 13	1 12	19 38	16 40	23 1	22 56	25 10	13 12	6 25	
T 15	10 31	21 35	3 59	15 57	1 50	18 2	0 21	18 43	0 30	0 59	1 10	21 0	0 54	16 32	0 44	22 12	1 12	19 38	16 40	23 1	22 57	25 10	13 13	6 25	
W16	10 53	24 9	3 3	15 22	1 34	18 25	0 23	18 55	0 31	0 55	1 10	21 0	0 54	16 32	0 44	22 12	1 12	19 39	16 40	23 2	22 57	25 10	13 13	6 25	
T 17	11 14	25 3	1 56	14 42	1 16	18 47	0 26	19 7	0 31	0 50	1 10	21 0	0 54	16 32	0 44	22 12	1 12	19 39	16 40	23 2	22 57	25 9	13 13	6 24	
F 18	11 36	24 13	0 42	13 59	0 57	19 9	0 29	19 18	0 32	0 45	1 10	20 59	0 54	16 32	0 44	22 12	1 12	19 39	16 39	23 3	22 58	25 9	13 14	6 24	
S 19	11 57	21 48	0s33	13 13	0 36	19 30	0 31	19 30	0 32	0 40	1 10	20 59	0 54	16 32	0 44	22 12	1 12	19 39	16 39	23 3	22 58	25 9	13 14	6 23	
S 20	12 18	18 8	1 45	12 26	0 16	19 50	0 34	19 41	0 33	0 36	1 10	20 58	0 54	16 32	0 44	22 12	1 12	19 39	16 39	23 3	22 58	25 8	13 14	6 23	
M21	12 39	13 33	2 50	11 40	0n 5	20 11	0 36	19 52	0 34	0 31	1 10	20 58	0 54	16 32	0 44	22 12	1 12	19 39	16 39	23 3	22 59	25 8	13 14	6 22	
T 22	12 59	8 23	3 44	10 54	0 25	20 30	0 39	20 3	0 34	0 26	1 11	20 57	0 54	16 32	0 44	22 12	1 12	19 39	16 38	23 3	22 59	25 8	13 14	6 22	
W23	13 20	2 56	4 25	10 12	0 45	20 49	0 42	20 14	0 35	0 22	1 11	20 57	0 54	16 32	0 44	22 12	1 12	19 39	16 38	23 3	22 59	25 7	13 15	6 21	
T 24	13 40	2s33	4 51	9 33	1 3	21 7	0 44	20 25	0 35	0 17	1 11	20 56	0 54	16 32	0 44	22 12	1 12	19 39	16 38	23 4	22 59	25 7	13 15	6 21	
F 25	14 0	7 50	5 3	8 59	1 19	21 25	0 47	20 35	0 36	0 12	1 11	20 56	0 54	16 32	0 44	22 12	1 12	19 39	16 38	23 5	23 0	25 6	13 15	6 20	
S 26	14 19	12 43	4 59	8 30	1 34	21 42	0 49	20 45	0 36	0 8	1 11	20 55	0 54	16 31	0 44	22 12	1 12	19 39	16 37	23 6	23 0	25 6	13 15	6 20	
S 27	14 39	17 0	4 41	8 8	1 47	21 59	0 52	20 55	0 37	0 3	1 11	20 54	0 54	16 31	0 44	22 12	1 12	19 39	16 37	23 7	23 0	25 6	13 15	6 20	
M28	14 58	20 30	4 10	7 52	1 58	22 15	0 54	21 5	0 37	0s 1	1 11	20 54	0 54	16 31	0 44	22 12	1 13	19 39	16 37	23 8	23 1	25 5	13 15	6 19	
T 29	15 17	23 4	3 28	7 41	2 6	22 30	0 57	21 15	0 38	0 6	1 11	20 53	0 54	16 31	0 44	22 11	1 13	19 39	16 36	23 9	23 1	25 5	13 16	6 19	
W30	15 36	24 34	2 38	7 37	2 14	22 45	0 59	21 24	0 38	0 10	1 11	20 52	0 54	16 31	0 44	22 11	1 13	19 39	16 36	23 9	23 1	25 4	13 16	6 18	
T 31	15s54	24s56	1s40	7s38	2n19	22s59	1s 1	21s33	0s39	0s15	1n12	20s52	0s54	16s31	0s44	22n11	1s13	19s39	16s36	23s 9	23s 1	25s 4	13s16	6n18	

Julian Day Number = 2115435.5, Delta T = 18m50s
Ecliptic obliquity = 23°33'34, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°54'43, Lahiri = 11°01'43 Julian Calendar 1 Oct. 1079 == Greg. Calendar 7 Oct. 1079

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1079
geocentric

NOVEMBER 1079 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 2 28	14♏18'07	2♑58	25♎34	10♐39	4♐ 2	3♎33	1♒17	17♒ 1	23°R26	18°R46	10°R15	11♑51	22♐14	3♒53	F 1
S 2	3 6 25	15°18'48	14°45	26° 9	11°53	4°47	3°44	1°21	17° 1	23♊25	18♓45	10°D15	11°47	22°21	3°54	S 2
S 3	3 10 21	16°19'31	26°36	26°50	13° 8	5°32	3°55	1°24	17° 2	23°24	18°45	10♑16	11°44	22°28	3°56	S 3
M 4	3 14 18	17°20'14	8♒36	27°39	14°22	6°17	4° 6	1°27	17° 3	23°23	18°44	10°17	11°41	22°34	3°58	M 4
T 5	3 18 14	18°20'58	20°52	28°34	15°36	7° 2	4°17	1°31	17° 3	23°21	18°44	10°R17	11°38	22°41	4° 0	T 5
W 6	3 22 11	19°21'44	3♓28	29°34	16°51	7°47	4°28	1°35	17° 4	23°20	18°43	10°16	11°35	22°48	4° 2	W 6
T 7	3 26 7	20°22'30	16°28	0♏39	18° 5	8°32	4°39	1°38	17° 5	23°19	18°43	10°13	11°32	22°54	4° 4	T 7
F 8	3 30 4	21°23'18	29°57	1°48	19°19	9°17	4°50	1°42	17° 6	23°17	18°42	10° 8	11°28	23° 1	4° 6	F 8
S 9	3 34 1	22°24'06	13♈55	3° 1	20°33	10° 2	5° 1	1°46	17° 7	23°16	18°42	10° 1	11°25	23° 8	4° 8	S 9
S 10	3 37 57	23°24'56	28°20	4°16	21°48	10°47	5°11	1°50	17° 8	23°14	18°41	9°53	11°22	23°14	4°10	S 10
M11	3 41 54	24°25'47	13♉ 8	5°34	23° 2	11°32	5°22	1°54	17° 9	23°13	18°41	9°46	11°19	23°21	4°12	M11
T 12	3 45 50	25°26'38	28°11	6°54	24°16	12°18	5°32	1°58	17°10	23°12	18°41	9°39	11°16	23°28	4°15	T 12
W13	3 49 47	26°27'32	13♊20	8°16	25°30	13° 3	5°43	2° 2	17°11	23°10	18°40	9°35	11°13	23°34	4°17	W13
T 14	3 53 43	27°28'26	28°24	9°39	26°45	13°48	5°53	2° 7	17°12	23° 9	18°40	9°33	11° 9	23°41	4°19	T 14
F 15	3 57 40	28°29'22	13♋15	11° 4	27°59	14°34	6° 3	2°11	17°13	23° 7	18°40	9°D32	11° 6	23°48	4°22	F 15
S 16	4 1 36	29°30'18	27°47	12°30	29°13	15°19	6°13	2°16	17°14	23° 6	18°39	9°33	11° 3	23°54	4°24	S 16
S 17	4 5 33	0♐31'16	11♌58	13°57	0♑27	16° 5	6°23	2°20	17°16	23° 4	18°39	9°35	11° 0	24° 1	4°27	S 17
M18	4 9 30	1°32'16	25°45	15°25	1°41	16°50	6°33	2°25	17°17	23° 3	18°39	9°R36	10°57	24° 8	4°30	M18
T 19	4 13 26	2°33'16	9♍11	16°53	2°55	17°36	6°43	2°30	17°19	23° 1	18°39	9°36	10°53	24°14	4°32	T 19
W20	4 17 23	3°34'18	22°16	18°22	4° 9	18°22	6°53	2°34	17°20	22°59	18°39	9°34	10°50	24°21	4°35	W20
T 21	4 21 19	4°35'21	5♎ 5	19°52	5°23	19° 7	7° 2	2°39	17°22	22°58	18°38	9°30	10°47	24°27	4°38	T 21
F 22	4 25 16	5°36'25	17°38	21°22	6°37	19°53	7°12	2°44	17°23	22°56	18°38	9°26	10°44	24°34	4°41	F 22
S 23	4 29 12	6°37'30	29°59	22°53	7°51	20°39	7°21	2°49	17°25	22°55	18°38	9°20	10°41	24°41	4°44	S 23
S 24	4 33 9	7°38'36	12♏10	24°23	9° 5	21°25	7°30	2°54	17°26	22°53	18°38	9°14	10°38	24°47	4°47	S 24
M25	4 37 5	8°39'42	24°13	25°54	10°19	22°11	7°39	2°59	17°28	22°51	18°38	9° 8	10°34	24°54	4°50	M25
T 26	4 41 2	9°40'50	6♐ 9	27°26	11°33	22°57	7°49	3° 4	17°30	22°50	18°38	9° 3	10°31	25° 1	4°53	T 26
W27	4 44 59	10°41'58	18° 0	28°57	12°47	23°43	7°57	3°10	17°32	22°48	18°D38	9° 0	10°28	25° 7	4°56	W27
T 28	4 48 55	11°43'07	29°47	0♐29	14° 1	24°29	8° 6	3°15	17°33	22°46	18°38	8°58	10°25	25°14	4°59	T 28
F 29	4 52 52	12°44'16	11♑34	2° 1	15°15	25°15	8°15	3°21	17°35	22°45	18°38	8°D58	10°22	25°21	5° 2	F 29
S 30	4 56 48	13♐45'26	23♑22	3♐34	16♑29	26♐ 1	8♎24	3♒26	17♒37	22♊43	18♓38	8♑58	10♑19	25♐27	5♒ 5	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16s13	24s11	0s39	7s43	2n23	23s12	1s 4	21s42	0s39	0s19	1n12	20s51	0s54	16s31	0s44	22n11	1s13	19s39	16s36	23s10	23s 2	25s 3	13s16	6n17
S 2	16 31	22 20	0n24	7 54	2 25	23 25	1 6	21 51	0 40	0 24	1 12	20 50	0 54	16 30	0 44	22 11	1 13	19 39	16 35	23 10	23 2	25 3	13 16	6 17
S 3	16 48	19 31	1 27	8 8	2 26	23 37	1 8	22 0	0 41	0 28	1 12	20 49	0 54	16 30	0 44	22 11	1 13	19 39	16 35	23 10	23 2	25 3	13 16	6 17
M 4	17 6	15 50	2 27	8 25	2 26	23 49	1 11	22 8	0 41	0 32	1 12	20 49	0 54	16 30	0 44	22 11	1 13	19 39	16 35	23 9	23 3	25 2	13 16	6 16
T 5	17 23	11 26	3 21	8 46	2 24	23 59	1 13	22 16	0 42	0 36	1 12	20 48	0 54	16 30	0 44	22 11	1 13	19 39	16 34	23 9	23 3	25 2	13 16	6 16
W 6	17 39	6 27	4 7	9 10	2 22	24 9	1 15	22 24	0 42	0 41	1 12	20 47	0 54	16 29	0 44	22 11	1 13	19 39	16 34	23 10	23 3	25 1	13 16	6 15
T 7	17 56	1 2	4 42	9 35	2 19	24 18	1 17	22 32	0 43	0 45	1 13	20 46	0 54	16 29	0 44	22 11	1 13	19 39	16 34	23 10	23 3	25 1	13 16	6 15
F 8	18 12	4n37	5 3	10 2	2 16	24 27	1 19	22 40	0 43	0 49	1 13	20 45	0 54	16 29	0 43	22 11	1 13	19 39	16 33	23 10	23 4	25 0	13 16	6 14
S 9	18 28	10 14	5 8	10 31	2 11	24 35	1 21	22 47	0 43	0 53	1 13	20 44	0 54	16 28	0 43	22 11	1 13	19 39	16 33	23 11	23 4	25 0	13 16	6 14
S 10	18 43	15 29	4 53	11 1	2 7	24 42	1 23	22 54	0 44	0 57	1 13	20 44	0 54	16 28	0 43	22 11	1 13	19 39	16 33	23 11	23 4	24 59	13 15	6 14
M11	18 58	19 57	4 18	11 32	2 1	24 48	1 25	23 1	0 44	1 1	1 13	20 43	0 54	16 28	0 43	22 10	1 13	19 38	16 32	23 12	23 4	24 59	13 15	6 13
T 12	19 13	23 11	3 25	12 4	1 56	24 53	1 27	23 7	0 45	1 5	1 13	20 42	0 54	16 27	0 43	22 10	1 13	19 38	16 32	23 12	23 5	24 58	13 15	6 13
W13	19 28	24 47	2 17	12 36	1 50	24 58	1 29	23 14	0 45	1 9	1 13	20 41	0 54	16 27	0 43	22 10	1 13	19 38	16 32	23 13	23 5	24 58	13 15	6 12
T 14	19 42	24 33	1 0	13 9	1 43	25 2	1 31	23 20	0 46	1 13	1 14	20 40	0 54	16 27	0 43	22 10	1 13	19 38	16 31	23 13	23 5	24 57	13 15	6 12
F 15	19 55	22 34	0s20	13 41	1 37	25 5	1 33	23 26	0 46	1 17	1 14	20 39	0 54	16 26	0 43	22 10	1 13	19 38	16 31	23 13	23 6	24 57	13 15	6 12
S 16	20 9	19 7	1 38	14 14	1 30	25 8	1 34	23 31	0 47	1 21	1 14	20 38	0 54	16 26	0 43	22 10	1 13	19 38	16 31	23 13	23 6	24 56	13 14	6 11
S 17	20 22	14 37	2 47	14 47	1 23	25 10	1 36	23 37	0 47	1 25	1 14	20 37	0 54	16 25	0 43	22 10	1 13	19 37	16 30	23 13	23 6	24 56	13 14	6 11
M18	20 34	9 28	3 45	15 19	1 16	25 11	1 38	23 42	0 48	1 29	1 14	20 36	0 54	16 25	0 43	22 10	1 13	19 37	16 30	23 13	23 6	24 55	13 14	6 10
T 19	20 47	4 1	4 29	15 51	1 9	25 11	1 39	23 47	0 48	1 32	1 14	20 35	0 54	16 25	0 43	22 10	1 13	19 37	16 30	23 13	23 7	24 55	13 14	6 10
W20	20 58	1s29	4 58	16 23	1 2	25 10	1 41	23 51	0 49	1 36	1 15	20 33	0 54	16 24	0 43	22 10	1 13	19 37	16 29	23 13	23 7	24 54	13 13	6 10
T 21	21 10	6 47	5 11	16 55	0 55	25 9	1 42	23 56	0 49	1 40	1 15	20 32	0 54	16 24	0 43	22 10	1 13	19 36	16 29	23 13	23 7	24 53	13 13	6 9
F 22	21 21	11 42	5 9	17 26	0 48	25 7	1 43	24 0	0 49	1 43	1 15	20 31	0 54	16 23	0 43	22 9	1 13	19 36	16 29	23 13	23 7	24 53	13 13	6 9
S 23	21 31	16 4	4 52	17 56	0 41	25 4	1 45	24 3	0 50	1 47	1 15	20 30	0 54	16 23	0 43	22 9	1 13	19 36	16 28	23 14	23 8	24 52	13 13	6 9
S 24	21 42	19 43	4 22	18 25	0 33	25 0	1 46	24 7	0 50	1 50	1 15	20 29	0 54	16 22	0 43	22 9	1 13	19 36	16 28	23 14	23 8	24 52	13 12	6 8
M25	21 51	22 29	3 41	18 54	0 26	24 56	1 47	24 10	0 51	1 54	1 16	20 28	0 54	16 21	0 43	22 9	1 13	19 35	16 28	23 15	23 8	24 51	13 12	6 8
T 26	22 1	24 14	2 50	19 23	0 19	24 51	1 48	24 13	0 51	1 57	1 16	20 26	0 54	16 21	0 43	22 9	1 13	19 35	16 27	23 15	23 8	24 51	13 11	6 8
W27	22 10	24 53	1 53	19 50	0 12	24 45	1 49	24 16	0 52	2 1	1 16	20 25	0 54	16 20	0 43	22 9	1 13	19 35	16 27	23 15	23 9	24 50	13 11	6 7
T 28	22 18	24 24	0 50	20 17	0 5	24 38	1 50	24 18	0 52	2 4	1 16	20 24	0 54	16 20	0 43	22 9	1 13	19 34	16 27	23 15	23 9	24 49	13 11	6 7
F 29	22 26	22 49	0n14	20 42	0s 2	24 31	1 51	24 21	0 52	2 7	1 16	20 23	0 54	16 19	0 43	22 9	1 13	19 34	16 26	23 15	23 9	24 49	13 10	6 7
S 30	22s34	20s14	1n19	21s 7	0s 9	24s23	1s51	24s23	0s53	2s10	1n17	20s21	0s54	16s18	0s43	22n 9	1s13	19s34	16s26	23s15	23s 9	24s48	13s10	6n 6

Julian Day Number = 2115466.5, Delta T = 18m50s
Ecliptic obliquity = 23°33'33, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°54'47, Lahiri = 11°01'47 Julian Calendar 1 Nov. 1079 == Greg. Calendar 7 Nov. 1079

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1079
geocentric

DECEMBER 1079 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 0 45	14♐46'36	5♒15	5♐ 6	17♑43	26♐47	8♎32	3♒32	17♒39	22°R41	18♓38	9♑ 0	10♑15	25♐34	5♒ 9	S 1
M 2	5 4 41	15°47'47	17°17	6°39	18°56	27°34	8°40	3°37	17°41	22♊40	18°38	9° 2	10°12	25°41	5°12	M 2
T 3	5 8 38	16°48'57	29°32	8°12	20°10	28°20	8°49	3°43	17°43	22°38	18°38	9° 3	10° 9	25°47	5°15	T 3
W 4	5 12 34	17°50'08	12♓ 4	9°45	21°24	29° 6	8°57	3°49	17°45	22°36	18°38	9°R 4	10° 6	25°54	5°19	W 4
T 5	5 16 31	18°51'18	24°59	11°18	22°38	29°53	9° 5	3°54	17°47	22°35	18°39	9° 4	10° 3	26° 1	5°22	T 5
F 6	5 20 28	19°52'29	8♈18	12°51	23°51	0♑39	9°13	4° 0	17°50	22°33	18°39	9° 3	9°59	26° 7	5°26	F 6
S 7	5 24 24	20°53'40	22° 5	14°25	25° 5	1°25	9°20	4° 6	17°52	22°31	18°39	9° 1	9°56	26°14	5°29	S 7
S 8	5 28 21	21°54'50	6♉20	15°59	26°18	2°12	9°28	4°12	17°54	22°29	18°39	8°59	9°53	26°21	5°33	S 8
M 9	5 32 17	22°56'01	21° 1	17°33	27°32	2°58	9°35	4°18	17°56	22°28	18°40	8°57	9°50	26°27	5°37	M 9
T 10	5 36 14	23°57'12	6♊ 2	19° 8	28°45	3°45	9°43	4°24	17°59	22°26	18°40	8°55	9°47	26°34	5°40	T 10
W11	5 40 10	24°58'22	21°16	20°43	29°59	4°31	9°50	4°30	18° 1	22°24	18°40	8°54	9°44	26°40	5°44	W11
T 12	5 44 7	25°59'33	6♋31	22°18	1♒12	5°18	9°57	4°36	18° 3	22°23	18°41	8°D53	9°40	26°47	5°48	T 12
F 13	5 48 4	27° 0'44	21°39	23°53	2°25	6° 5	10° 4	4°43	18° 6	22°21	18°41	8°54	9°37	26°54	5°52	F 13
S 14	5 52 0	28° 1'55	6♌30	25°29	3°39	6°51	10°10	4°49	18° 8	22°19	18°41	8°54	9°34	27° 0	5°55	S 14
S 15	5 55 57	29° 3'06	20°58	27° 5	4°52	7°38	10°17	4°55	18°11	22°18	18°42	8°55	9°31	27° 7	5°59	S 15
M16	5 59 53	0♑ 4'18	5♍ 0	28°41	6° 5	8°25	10°23	5° 1	18°13	22°16	18°42	8°56	9°28	27°14	6° 3	M16
T 17	6 3 50	1° 5'29	18°36	0♑18	7°18	9°12	10°30	5° 8	18°16	22°14	18°43	8°57	9°25	27°20	6° 7	T 17
W18	6 7 46	2° 6'41	1♎46	1°55	8°31	9°58	10°36	5°14	18°19	22°13	18°43	8°R57	9°21	27°27	6°11	W18
T 19	6 11 43	3° 7'52	14°33	3°33	9°44	10°45	10°42	5°21	18°21	22°11	18°44	8°57	9°18	27°34	6°15	T 19
F 20	6 15 39	4° 9'04	27° 1	5°11	10°57	11°32	10°48	5°27	18°24	22° 9	18°44	8°56	9°15	27°40	6°19	F 20
S 21	6 19 36	5°10'16	9♏14	6°50	12°10	12°19	10°53	5°34	18°27	22° 8	18°45	8°56	9°12	27°47	6°23	S 21
S 22	6 23 33	6°11'27	21°15	8°29	13°23	13° 6	10°59	5°40	18°29	22° 6	18°45	8°55	9° 9	27°54	6°27	S 22
M23	6 27 29	7°12'39	3♐ 9	10° 8	14°36	13°53	11° 4	5°47	18°32	22° 4	18°46	8°55	9° 5	28° 0	6°31	M23
T 24	6 31 26	8°13'50	14°58	11°48	15°48	14°40	11° 9	5°54	18°35	22° 3	18°46	8°55	9° 2	28° 7	6°36	T 24
W25	6 35 22	9°15'01	26°46	13°28	17° 1	15°27	11°14	6° 1	18°38	22° 1	18°47	8°D55	8°59	28°14	6°40	W25
T 26	6 39 19	10°16'12	8♑33	15° 8	18°14	16°14	11°19	6° 7	18°41	21°59	18°48	8°R55	8°56	28°20	6°44	T 26
F 27	6 43 15	11°17'22	20°23	16°49	19°26	17° 1	11°24	6°14	18°44	21°58	18°48	8°55	8°53	28°27	6°48	F 27
S 28	6 47 12	12°18'32	2♒18	18°31	20°39	17°48	11°29	6°21	18°46	21°56	18°49	8°55	8°50	28°34	6°52	S 28
S 29	6 51 8	13°19'40	14°20	20°13	21°51	18°35	11°33	6°28	18°49	21°55	18°50	8°54	8°46	28°40	6°57	S 29
M30	6 55 5	14°20'48	26°30	21°55	23° 3	19°22	11°37	6°35	18°52	21°53	18°51	8°53	8°43	28°47	7° 1	M30
T 31	6 59 2	15♑21'56	8♓52	23♑37	24♒15	20♑ 9	11♎41	6♒42	18♒55	21♊52	18♓51	8♑53	8♑40	28♐53	7♒ 5	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s41	16s47	2n20	21s31	0s16	24s14	1s52	24s24	0s53	2s14	1n17	20s20	0s54	16s18	0s43	22n 9	1s13	19s33	16s25	23s15	23s10	24s47	13s 9	6n 6
M 2	22 48	12 37	3 16	21 54	0 23	24 4	1 53	24 26	0 53	2 17	1 17	20 19	0 54	16 17	0 43	22 9	1 13	19 33	16 25	23 15	23 10	24 47	13 9	6 6
T 3	22 54	7 53	4 4	22 16	0 29	23 54	1 53	24 27	0 54	2 20	1 17	20 17	0 54	16 17	0 43	22 8	1 13	19 33	16 25	23 15	23 10	24 46	13 8	6 5
W 4	23 0	2 43	4 42	22 37	0 36	23 43	1 53	24 28	0 54	2 23	1 17	20 16	0 54	16 16	0 43	22 8	1 13	19 32	16 24	23 15	23 10	24 46	13 8	6 5
T 5	23 5	2n41	5 7	22 56	0 42	23 31	1 54	24 28	0 55	2 26	1 18	20 15	0 54	16 15	0 43	22 8	1 13	19 32	16 24	23 15	23 11	24 45	13 7	6 5
F 6	23 10	8 9	5 16	23 15	0 48	23 19	1 54	24 28	0 55	2 29	1 18	20 13	0 54	16 14	0 43	22 8	1 13	19 31	16 24	23 15	23 11	24 44	13 7	6 4
S 7	23 15	13 24	5 8	23 32	0 54	23 6	1 54	24 28	0 55	2 31	1 18	20 12	0 54	16 14	0 43	22 8	1 13	19 31	16 23	23 15	23 11	24 44	13 6	6 4
S 8	23 19	18 7	4 41	23 49	1 0	22 52	1 54	24 28	0 56	2 34	1 18	20 11	0 54	16 13	0 43	22 8	1 13	19 31	16 23	23 15	23 11	24 43	13 6	6 4
M 9	23 22	21 53	3 55	24 4	1 6	22 38	1 54	24 27	0 56	2 37	1 18	20 9	0 54	16 12	0 43	22 8	1 13	19 30	16 23	23 15	23 12	24 42	13 5	6 4
T 10	23 25	24 15	2 52	24 18	1 11	22 22	1 54	24 27	0 56	2 40	1 19	20 8	0 54	16 12	0 42	22 8	1 13	19 30	16 22	23 15	23 12	24 42	13 4	6 3
W11	23 28	24 52	1 36	24 30	1 16	22 7	1 54	24 25	0 57	2 42	1 19	20 6	0 54	16 11	0 42	22 8	1 13	19 29	16 22	23 16	23 12	24 41	13 4	6 3
T 12	23 30	23 37	0 13	24 41	1 22	21 50	1 54	24 24	0 57	2 45	1 19	20 5	0 54	16 10	0 42	22 8	1 13	19 29	16 22	23 16	23 12	24 40	13 3	6 3
F 13	23 31	20 39	1s10	24 51	1 26	21 34	1 54	24 22	0 57	2 47	1 19	20 3	0 54	16 9	0 42	22 8	1 13	19 28	16 21	23 16	23 12	24 39	13 3	6 2
S 14	23 33	16 22	2 27	25 0	1 31	21 16	1 53	24 20	0 58	2 50	1 20	20 2	0 54	16 8	0 42	22 8	1 13	19 28	16 21	23 15	23 13	24 39	13 2	6 2
S 15	23 33	11 13	3 33	25 7	1 35	20 58	1 53	24 18	0 58	2 52	1 20	20 0	0 54	16 8	0 42	22 7	1 13	19 27	16 21	23 15	23 13	24 38	13 1	6 2
M16	23 34	5 38	4 24	25 13	1 40	20 39	1 52	24 15	0 58	2 54	1 20	19 59	0 54	16 7	0 42	22 7	1 13	19 27	16 20	23 15	23 13	24 37	13 0	6 2
T 17	23 33	0s 2	4 58	25 17	1 44	20 20	1 51	24 13	0 58	2 57	1 20	19 57	0 54	16 6	0 42	22 7	1 13	19 26	16 20	23 15	23 13	24 37	13 0	6 1
W18	23 33	5 31	5 15	25 20	1 47	20 0	1 50	24 10	0 59	2 59	1 20	19 56	0 54	16 5	0 42	22 7	1 13	19 26	16 20	23 15	23 14	24 36	12 59	6 1
T 19	23 31	10 37	5 16	25 21	1 50	19 40	1 50	24 6	0 59	3 1	1 21	19 54	0 54	16 4	0 42	22 7	1 13	19 25	16 19	23 15	23 14	24 35	12 58	6 1
F 20	23 30	15 9	5 2	25 21	1 54	19 19	1 49	24 2	0 59	3 3	1 21	19 53	0 54	16 4	0 42	22 7	1 13	19 25	16 19	23 15	23 14	24 34	12 58	6 1
S 21	23 27	18 58	4 35	25 19	1 56	18 57	1 48	23 58	1 0	3 5	1 21	19 51	0 54	16 3	0 42	22 7	1 13	19 24	16 18	23 15	23 14	24 34	12 57	6 1
S 22	23 25	21 57	3 55	25 16	1 59	18 35	1 46	23 54	1 0	3 7	1 21	19 49	0 54	16 2	0 42	22 7	1 13	19 24	16 18	23 15	23 15	24 33	12 56	6 0
M23	23 22	23 56	3 6	25 11	2 1	18 13	1 45	23 50	1 0	3 9	1 22	19 48	0 54	16 1	0 42	22 7	1 13	19 23	16 18	23 15	23 15	24 32	12 55	6 0
T 24	23 18	24 51	2 9	25 4	2 2	17 50	1 44	23 45	1 0	3 11	1 22	19 46	0 54	16 0	0 42	22 7	1 13	19 23	16 17	23 15	23 15	24 31	12 54	6 0
W25	23 14	24 38	1 7	24 56	2 4	17 26	1 42	23 40	1 1	3 13	1 22	19 44	0 54	15 59	0 42	22 7	1 13	19 22	16 17	23 15	23 15	24 31	12 54	6 0
T 26	23 10	23 19	0 2	24 46	2 5	17 2	1 41	23 34	1 1	3 14	1 22	19 43	0 54	15 58	0 42	22 7	1 12	19 22	16 17	23 15	23 15	24 30	12 53	6 0
F 27	23 5	20 57	1n 3	24 34	2 5	16 38	1 39	23 29	1 1	3 16	1 23	19 41	0 54	15 57	0 42	22 6	1 12	19 21	16 16	23 15	23 16	24 29	12 52	5 59
S 28	22 59	17 41	2 7	24 20	2 5	16 13	1 38	23 23	1 1	3 17	1 23	19 39	0 54	15 56	0 42	22 6	1 12	19 21	16 16	23 15	23 16	24 28	12 51	5 59
S 29	22 53	13 40	3 5	24 5	2 5	15 48	1 36	23 17	1 2	3 19	1 23	19 38	0 54	15 55	0 42	22 6	1 12	19 20	16 16	23 15	23 16	24 27	12 50	5 59
M30	22 47	9 4	3 55	23 48	2 4	15 23	1 34	23 10	1 2	3 20	1 23	19 36	0 54	15 54	0 42	22 6	1 12	19 19	16 16	23 16	23 16	24 27	12 49	5 59
T 31	22s40	4s 2	4n35	23s30	2s 3	14s57	1s32	23s 4	1s 2	3s22	1n24	19s34	0s54	15s53	0s42	22n 6	1s12	19s19	16s15	23s16	23s16	24s26	12s48	5n59

Julian Day Number = 2115496.5, Delta T = 18m50s
Ecliptic obliquity = 23°33'32, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°54'51, Lahiri = 11°01'51 Julian Calendar 1 Dec. 1079 == Greg. Calendar 7 Dec. 1079

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1080
geocentric

JANUARY 1080 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 2 58	16♉23'02	21♓29	25♉20	25♒27	20♉56	11♎45	6♒49	18♒58	21°R50	18♓52	8°R52	8♉37	29♐ 0	7♒10	W 1
T 2	7 6 55	17°24'07	4♈22	27° 3	26°40	21°44	11°49	6°56	19° 1	21♊49	18°53	8♉51	8°34	29° 7	7°14	T 2
F 3	7 10 51	18°25'11	17°36	28°45	27°51	22°31	11°52	7° 3	19° 5	21°47	18°54	8°D51	8°31	29°13	7°18	F 3
S 4	7 14 48	19°26'15	1♉11	0♒28	29° 3	23°18	11°55	7°10	19° 8	21°46	18°55	8°51	8°27	29°20	7°23	S 4
S 5	7 18 44	20°27'17	15°11	2°11	0♓15	24° 5	11°59	7°17	19°11	21°44	18°55	8°52	8°24	29°27	7°27	S 5
M 6	7 22 41	21°28'18	29°33	3°53	1°27	24°52	12° 2	7°24	19°14	21°43	18°56	8°53	8°21	29°33	7°31	M 6
T 7	7 26 37	22°29'17	14♊16	5°34	2°38	25°40	12° 4	7°31	19°17	21°41	18°57	8°54	8°18	29°40	7°36	T 7
W 8	7 30 34	23°30'16	29°14	7°15	3°50	26°27	12° 7	7°38	19°20	21°40	18°58	8°55	8°15	29°47	7°40	W 8
T 9	7 34 31	24°31'14	14♋21	8°55	5° 1	27°14	12° 9	7°45	19°24	21°38	18°59	8°R55	8°11	29°53	7°45	T 9
F 10	7 38 27	25°32'10	29°27	10°33	6°12	28° 2	12°12	7°52	19°27	21°37	19° 0	8°54	8° 8	29°59	7°49	F 10
S 11	7 42 24	26°33'06	14♌24	12° 9	7°23	28°49	12°14	7°59	19°30	21°36	19° 1	8°52	8° 5	0♑ 7	7°54	S 11
S 12	7 46 20	27°34'00	29° 2	13°44	8°34	29°36	12°16	8° 6	19°33	21°34	19° 2	8°50	8° 2	0°13	7°58	S 12
M13	7 50 17	28°34'54	13♍17	15°15	9°45	0♒23	12°17	8°14	19°37	21°33	19° 3	8°47	7°59	0°20	8° 3	M13
T 14	7 54 13	29°35'46	27° 4	16°43	10°56	1°11	12°19	8°21	19°40	21°32	19° 4	8°44	7°56	0°27	8° 7	T 14
W15	7 58 10	0♒36'38	10♎23	18° 8	12° 7	1°58	12°20	8°28	19°43	21°31	19° 5	8°42	7°52	0°33	8°12	W15
T 16	8 2 6	1°37'28	23°16	19°28	13°17	2°45	12°21	8°35	19°46	21°29	19° 6	8°41	7°49	0°40	8°16	T 16
F 17	8 6 3	2°38'18	5♏47	20°42	14°28	3°33	12°22	8°42	19°50	21°28	19° 7	8°D41	7°46	0°46	8°21	F 17
S 18	8 10 0	3°39'07	17°59	21°51	15°38	4°20	12°23	8°50	19°53	21°27	19° 8	8°41	7°43	0°53	8°25	S 18
S 19	8 13 56	4°39'55	29°58	22°53	16°48	5° 8	12°23	8°57	19°56	21°26	19°10	8°43	7°40	1° 0	8°30	S 19
M20	8 17 53	5°40'42	11♐49	23°48	17°58	5°55	12°24	9° 4	20° 0	21°25	19°11	8°45	7°37	1° 6	8°34	M20
T 21	8 21 49	6°41'27	23°35	24°34	19° 8	6°42	12°R24	9°11	20° 3	21°24	19°12	8°47	7°33	1°13	8°39	T 21
W22	8 25 46	7°42'12	5♑22	25°12	20°18	7°30	12°24	9°19	20° 7	21°23	19°13	8°R47	7°30	1°20	8°43	W22
T 23	8 29 42	8°42'55	17°12	25°40	21°27	8°17	12°24	9°26	20°10	21°22	19°14	8°47	7°27	1°26	8°48	T 23
F 24	8 33 39	9°43'37	29° 8	25°57	22°37	9° 5	12°23	9°33	20°13	21°20	19°15	8°45	7°24	1°33	8°53	F 24
S 25	8 37 36	10°44'17	11♒13	26°R 5	23°46	9°52	12°23	9°40	20°17	21°20	19°17	8°42	7°21	1°40	8°57	S 25
S 26	8 41 32	11°44'56	23°28	26° 2	24°55	10°39	12°22	9°48	20°20	21°19	19°18	8°37	7°17	1°46	9° 2	S 26
M27	8 45 29	12°45'33	5♓54	25°48	26° 4	11°27	12°21	9°55	20°24	21°18	19°19	8°31	7°14	1°53	9° 6	M27
T 28	8 49 25	13°46'09	18°32	25°24	27°13	12°14	12°20	10° 2	20°27	21°17	19°20	8°24	7°11	2° 0	9°11	T 28
W29	8 53 22	14°46'42	1♈23	24°51	28°22	13° 2	12°18	10°10	20°31	21°16	19°22	8°18	7° 8	2° 6	9°15	W29
T 30	8 57 18	15°47'14	14°27	24° 9	29°30	13°49	12°17	10°17	20°34	21°15	19°23	8°13	7° 5	2°13	9°20	T 30
F 31	9 1 15	16♒47'44	27♈45	23♒19	0♈38	14♒37	12♎15	10♒24	20♒38	21♊14	19♓24	8♉10	7♑ 2	2♑20	9♒24	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s33	1n15	5n 3	23s 9	2s 1	14s30	1s30	22s57	1s 2	3s23	1n24	19s33	0s55	15s53	0s42	22n 6	1s12	19s18	16s15	23s16	23s17	24s25	12s47	5n59
T 2	22 25	6 35	5 17	22 47	1 58	14 4	1 28	22 49	1 2	3 24	1 24	19 31	0 55	15 52	0 42	22 6	1 12	19 18	16 15	23 16	23 17	24 24	12 46	5 58
F 3	22 17	11 46	5 14	22 23	1 55	13 37	1 25	22 42	1 3	3 25	1 24	19 29	0 55	15 51	0 42	22 6	1 12	19 17	16 14	23 16	23 17	24 23	12 46	5 58
S 4	22 9	16 32	4 54	21 58	1 52	13 9	1 23	22 34	1 3	3 26	1 25	19 27	0 55	15 50	0 42	22 6	1 12	19 16	16 14	23 16	23 17	24 22	12 45	5 58
S 5	22 0	20 33	4 16	21 31	1 47	12 42	1 21	22 26	1 3	3 27	1 25	19 26	0 55	15 49	0 42	22 6	1 12	19 16	16 14	23 16	23 17	24 22	12 44	5 58
M 6	21 50	23 26	3 22	21 2	1 42	12 14	1 18	22 18	1 3	3 28	1 25	19 24	0 55	15 48	0 42	22 6	1 12	19 15	16 13	23 16	23 18	24 21	12 43	5 58
T 7	21 40	24 49	2 13	20 32	1 37	11 45	1 15	22 9	1 3	3 29	1 25	19 22	0 55	15 47	0 42	22 6	1 12	19 14	16 13	23 16	23 18	24 20	12 42	5 58
W 8	21 30	24 27	0 53	20 0	1 30	11 17	1 13	22 0	1 3	3 30	1 26	19 20	0 55	15 46	0 42	22 6	1 12	19 14	16 13	23 15	23 18	24 19	12 41	5 58
T 9	21 19	22 17	0s30	19 27	1 23	10 48	1 10	21 51	1 3	3 31	1 26	19 18	0 55	15 45	0 42	22 6	1 12	19 13	16 13	23 15	23 18	24 18	12 40	5 57
F 10	21 8	18 33	1 51	18 53	1 15	10 19	1 7	21 42	1 4	3 31	1 26	19 17	0 55	15 43	0 42	22 6	1 12	19 13	16 12	23 16	23 18	24 17	12 39	5 57
S 11	20 57	13 39	3 4	18 18	1 6	9 50	1 4	21 32	1 4	3 32	1 27	19 15	0 55	15 42	0 42	22 6	1 12	19 12	16 12	23 16	23 19	24 16	12 38	5 57
S 12	20 45	8 4	4 3	17 42	0 57	9 20	1 1	21 23	1 4	3 32	1 27	19 13	0 55	15 41	0 42	22 6	1 12	19 11	16 12	23 16	23 19	24 16	12 37	5 57
M13	20 33	2 13	4 45	17 5	0 46	8 51	0 58	21 13	1 4	3 33	1 27	19 11	0 55	15 40	0 42	22 5	1 12	19 11	16 11	23 16	23 19	24 15	12 36	5 57
T 14	20 20	3s33	5 9	16 28	0 35	8 21	0 55	21 2	1 4	3 33	1 27	19 9	0 55	15 39	0 42	22 5	1 12	19 10	16 11	23 16	23 19	24 14	12 34	5 57
W15	20 7	8 58	5 16	15 50	0 23	7 51	0 51	20 52	1 4	3 33	1 28	19 7	0 55	15 38	0 42	22 5	1 12	19 9	16 11	23 16	23 19	24 13	12 33	5 57
T 16	19 54	13 49	5 6	15 13	0 10	7 20	0 48	20 41	1 4	3 33	1 28	19 6	0 55	15 37	0 42	22 5	1 12	19 9	16 11	23 16	23 20	24 12	12 32	5 57
F 17	19 40	17 56	4 41	14 36	0n 4	6 50	0 45	20 30	1 4	3 34	1 28	19 4	0 55	15 36	0 42	22 5	1 12	19 8	16 10	23 16	23 20	24 11	12 31	5 57
S 18	19 26	21 11	4 5	14 0	0 18	6 19	0 41	20 19	1 5	3 34	1 28	19 2	0 55	15 35	0 42	22 5	1 12	19 7	16 10	23 16	23 20	24 10	12 30	5 57
S 19	19 12	23 28	3 18	13 26	0 33	5 49	0 37	20 7	1 5	3 34	1 29	19 0	0 55	15 34	0 42	22 5	1 12	19 7	16 10	23 16	23 20	24 9	12 29	5 57
M20	18 57	24 41	2 23	12 53	0 49	5 18	0 34	19 56	1 5	3 34	1 29	18 58	0 55	15 33	0 42	22 5	1 12	19 6	16 10	23 16	23 20	24 8	12 28	5 57
T 21	18 42	24 47	1 23	12 22	1 5	4 47	0 30	19 44	1 5	3 33	1 29	18 56	0 56	15 32	0 42	22 5	1 12	19 5	16 9	23 16	23 21	24 7	12 27	5 57
W22	18 26	23 46	0 19	11 54	1 22	4 16	0 26	19 32	1 5	3 33	1 29	18 54	0 56	15 31	0 42	22 5	1 12	19 5	16 9	23 16	23 21	24 6	12 26	5 57
T 23	18 10	21 41	0n46	11 29	1 38	3 45	0 22	19 20	1 5	3 33	1 30	18 53	0 56	15 30	0 42	22 5	1 12	19 4	16 9	23 16	23 21	24 5	12 25	5 57
F 24	17 54	18 39	1 49	11 7	1 55	3 13	0 18	19 7	1 5	3 32	1 30	18 51	0 56	15 29	0 42	22 5	1 12	19 3	16 9	23 16	23 21	24 5	12 23	5 57
S 25	17 38	14 48	2 48	10 50	2 11	2 42	0 14	18 54	1 5	3 32	1 30	18 49	0 56	15 27	0 42	22 5	1 12	19 3	16 9	23 16	23 21	24 4	12 22	5 57
S 26	17 21	10 18	3 40	10 36	2 27	2 11	0 10	18 41	1 5	3 31	1 30	18 47	0 56	15 26	0 42	22 5	1 11	19 2	16 8	23 17	23 21	24 3	12 21	5 57
M27	17 4	5 19	4 23	10 26	2 43	1 39	0 6	18 28	1 5	3 31	1 31	18 45	0 56	15 25	0 42	22 5	1 11	19 1	16 8	23 17	23 22	24 2	12 20	5 57
T 28	16 47	0 4	4 53	10 21	2 57	1 8	0 1	18 15	1 5	3 30	1 31	18 43	0 56	15 24	0 42	22 5	1 11	19 1	16 8	23 17	23 22	24 1	12 19	5 57
W29	16 29	5n16	5 9	10 20	3 10	0 37	0n 3	18 2	1 5	3 29	1 31	18 41	0 56	15 23	0 42	22 5	1 11	19 0	16 8	23 18	23 22	24 0	12 18	5 57
T 30	16 11	10 28	5 9	10 23	3 21	0 5	0 7	17 48	1 5	3 28	1 31	18 39	0 56	15 22	0 42	22 5	1 11	18 59	16 8	23 18	23 22	23 59	12 16	5 57
F 31	15s53	15n17	4n53	10s30	3n30	0n26	0n12	17s34	1s 5	3s28	1n32	18s37	0s56	15s21	0s42	22n 5	1s11	18s59	16s 7	23s18	23s22	23s58	12s15	5n57

Julian Day Number = 2115527.5, Delta T = 18m49s
Ecliptic obliquity = 23°33'32, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°54'55, Lahiri = 11°01'56 Julian Calendar 1 Jan. 1080 == Greg. Calendar 7 Jan. 1080

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1080
geocentric

FEBRUARY 1080 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 5 11	17♒48'13	11♉19	22°R22	1♈46	15♒24	12°R13	10♒31	20♒41	21°R13	19♓25	8°R 8	6♑58	2♑26	9♒29	S 1
S 2	9 9 8	18°48'39	25° 8	21♒21	2°54	16°11	12♎11	10°38	20°44	21♊13	19°27	8°D 8	6°55	2°33	9°33	S 2
M 3	9 13 4	19°49'03	9♊14	20°17	4° 2	16°59	12° 9	10°46	20°48	21°12	19°28	8♑ 9	6°52	2°39	9°38	M 3
T 4	9 17 1	20°49'26	23°35	19°11	5° 9	17°46	12° 6	10°53	20°51	21°11	19°29	8°11	6°49	2°46	9°42	T 4
W 5	9 20 58	21°49'46	8♋ 9	18° 5	6°17	18°33	12° 4	11° 0	20°55	21°10	19°31	8°R11	6°46	2°53	9°47	W 5
T 6	9 24 54	22°50'05	22°53	17° 1	7°24	19°21	12° 1	11° 7	20°58	21°10	19°32	8°10	6°43	2°59	9°51	T 6
F 7	9 28 51	23°50'21	7♌40	16° 0	8°31	20° 8	11°58	11°14	21° 2	21° 9	19°34	8° 7	6°39	3° 6	9°56	F 7
S 8	9 32 47	24°50'35	22°23	15° 4	9°37	20°55	11°55	11°22	21° 5	21° 9	19°35	8° 2	6°36	3°13	10° 0	S 8
S 9	9 36 44	25°50'48	6♍54	14°12	10°43	21°43	11°51	11°29	21° 9	21° 8	19°36	7°55	6°33	3°19	10° 4	S 9
M10	9 40 40	26°50'59	21° 7	13°27	11°50	22°30	11°48	11°36	21°12	21° 8	19°38	7°47	6°30	3°26	10° 9	M10
T 11	9 44 37	27°51'08	4♎57	12°48	12°55	23°17	11°44	11°43	21°16	21° 7	19°39	7°39	6°27	3°33	10°13	T 11
W12	9 48 33	28°51'15	18°21	12°16	14° 1	24° 5	11°40	11°50	21°19	21° 7	19°40	7°31	6°23	3°39	10°18	W12
T 13	9 52 30	29°51'21	1♏20	11°51	15° 6	24°52	11°36	11°57	21°22	21° 6	19°42	7°25	6°20	3°46	10°22	T 13
F 14	9 56 27	0♓51'25	13°55	11°33	16°11	25°39	11°32	12° 4	21°26	21° 6	19°43	7°21	6°17	3°53	10°26	F 14
S 15	10 0 23	1°51'27	26°10	11°21	17°16	26°26	11°28	12°11	21°29	21° 6	19°45	7°20	6°14	3°59	10°30	S 15
S 16	10 4 20	2°51'28	8♐11	11°D17	18°21	27°14	11°23	12°18	21°33	21° 5	19°46	7°D20	6°11	4° 6	10°35	S 16
M17	10 8 16	3°51'28	20° 2	11°18	19°25	28° 1	11°18	12°25	21°36	21° 5	19°48	7°21	6° 8	4°12	10°39	M17
T 18	10 12 13	4°51'25	1♑49	11°26	20°29	28°48	11°14	12°32	21°39	21° 5	19°49	7°R21	6° 4	4°19	10°43	T 18
W19	10 16 9	5°51'21	13°37	11°40	21°32	29°35	11° 9	12°39	21°43	21° 4	19°51	7°21	6° 1	4°26	10°47	W19
T 20	10 20 6	6°51'15	25°30	11°59	22°36	0♓22	11° 3	12°46	21°46	21° 4	19°52	7°20	5°58	4°32	10°52	T 20
F 21	10 24 2	7°51'07	7♒33	12°23	23°39	1°10	10°58	12°52	21°50	21° 4	19°53	7°15	5°55	4°39	10°56	F 21
S 22	10 27 59	8°50'57	19°49	12°52	24°41	1°57	10°53	12°59	21°53	21° 4	19°55	7° 8	5°52	4°46	11° 0	S 22
S 23	10 31 56	9°50'45	2♓18	13°26	25°44	2°44	10°47	13° 6	21°56	21° 4	19°56	6°59	5°48	4°52	11° 4	S 23
M24	10 35 52	10°50'32	15° 3	14° 4	26°46	3°31	10°41	13°13	22° 0	21° 4	19°58	6°48	5°45	4°59	11° 8	M24
T 25	10 39 49	11°50'16	28° 2	14°45	27°47	4°18	10°35	13°19	22° 3	21°D 4	19°59	6°36	5°42	5° 6	11°12	T 25
W26	10 43 45	12°49'58	11♈15	15°31	28°49	5° 5	10°29	13°26	22° 6	21° 4	20° 1	6°25	5°39	5°12	11°16	W26
T 27	10 47 42	13°49'38	24°40	16°20	29°49	5°52	10°23	13°33	22°10	21° 4	20° 2	6°15	5°36	5°19	11°20	T 27
F 28	10 51 38	14°49'16	8♉15	17°12	0♉50	6°39	10°17	13°39	22°13	21° 4	20° 4	6° 8	5°33	5°26	11°24	F 28
S 29	10 55 35	15♓48'51	21♉59	18♒ 7	1♉50	7♓26	10♎11	13♒46	22♒16	21♊ 4	20♓ 5	6♑ 3	5♑29	5♑32	11♒28	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s34	19n25	4n21	10s41	3n38	0n58	0n16	17s20	1s 5	3s27	1n32	18s35	0s56	15s20	0s42	22n 5	1s11	18s58	16s 7	23s18	23s22	23s57	12s14	5n57
S 2	15 16	22 35	3 33	10 56	3 43	1 29	0 21	17 6	1 5	3 26	1 32	18 34	0 56	15 19	0 42	22 5	1 11	18 57	16 7	23 18	23 23	23 56	12 13	5 57
M 3	14 57	24 26	2 31	11 13	3 46	2 0	0 26	16 51	1 5	3 24	1 32	18 32	0 56	15 18	0 42	22 5	1 11	18 57	16 7	23 18	23 23	23 55	12 12	5 57
T 4	14 37	24 43	1 19	11 33	3 47	2 31	0 30	16 37	1 5	3 23	1 33	18 30	0 57	15 16	0 42	22 5	1 11	18 56	16 7	23 18	23 23	23 54	12 10	5 57
W 5	14 18	23 19	0 0	11 55	3 45	3 2	0 35	16 22	1 5	3 22	1 33	18 28	0 57	15 15	0 42	22 5	1 11	18 55	16 7	23 18	23 23	23 53	12 9	5 57
T 6	13 58	20 19	1s19	12 18	3 41	3 33	0 40	16 7	1 5	3 21	1 33	18 26	0 57	15 14	0 42	22 5	1 11	18 54	16 6	23 18	23 23	23 52	12 8	5 57
F 7	13 38	15 59	2 33	12 41	3 36	4 4	0 45	15 52	1 5	3 19	1 33	18 24	0 57	15 13	0 42	22 5	1 11	18 54	16 6	23 19	23 23	23 51	12 7	5 57
S 8	13 18	10 43	3 36	13 5	3 28	4 35	0 50	15 37	1 5	3 18	1 34	18 22	0 57	15 12	0 42	22 5	1 11	18 53	16 6	23 19	23 24	23 49	12 6	5 57
S 9	12 58	4 56	4 24	13 28	3 20	5 6	0 54	15 21	1 5	3 16	1 34	18 20	0 57	15 11	0 42	22 5	1 11	18 52	16 6	23 19	23 24	23 48	12 4	5 57
M10	12 38	0s59	4 55	13 51	3 9	5 37	0 59	15 6	1 5	3 15	1 34	18 18	0 57	15 10	0 42	22 5	1 11	18 52	16 6	23 20	23 24	23 47	12 3	5 57
T 11	12 17	6 40	5 7	14 12	2 58	6 7	1 4	14 50	1 4	3 13	1 34	18 16	0 57	15 9	0 42	22 5	1 11	18 51	16 6	23 20	23 24	23 46	12 2	5 57
W12	11 56	11 53	5 2	14 33	2 46	6 37	1 9	14 34	1 4	3 11	1 35	18 15	0 57	15 8	0 42	22 5	1 11	18 50	16 6	23 21	23 24	23 45	12 1	5 57
T 13	11 35	16 23	4 41	14 52	2 33	7 7	1 15	14 18	1 4	3 10	1 35	18 13	0 57	15 6	0 42	22 5	1 11	18 50	16 5	23 21	23 24	23 44	11 59	5 58
F 14	11 13	20 2	4 8	15 10	2 20	7 37	1 20	14 2	1 4	3 8	1 35	18 11	0 57	15 5	0 42	22 5	1 11	18 49	16 5	23 21	23 25	23 43	11 58	5 58
S 15	10 52	22 41	3 23	15 26	2 6	8 7	1 25	13 46	1 4	3 6	1 35	18 9	0 58	15 4	0 42	22 5	1 11	18 48	16 5	23 21	23 25	23 42	11 57	5 58
S 16	10 30	24 15	2 30	15 41	1 52	8 37	1 30	13 30	1 4	3 4	1 35	18 7	0 58	15 3	0 42	22 5	1 11	18 48	16 5	23 21	23 25	23 41	11 56	5 58
M17	10 9	24 42	1 32	15 54	1 38	9 6	1 35	13 13	1 4	3 2	1 36	18 5	0 58	15 2	0 42	22 5	1 10	18 47	16 5	23 21	23 25	23 40	11 54	5 58
T 18	9 47	24 3	0 30	16 5	1 25	9 35	1 40	12 57	1 4	3 0	1 36	18 3	0 58	15 1	0 42	22 5	1 10	18 46	16 5	23 21	23 25	23 39	11 53	5 58
W19	9 25	22 18	0n34	16 14	1 11	10 4	1 46	12 40	1 4	2 58	1 36	18 1	0 58	15 0	0 42	22 5	1 10	18 46	16 5	23 21	23 25	23 38	11 52	5 58
T 20	9 2	19 35	1 36	16 22	0 58	10 33	1 51	12 23	1 3	2 55	1 36	18 0	0 58	14 59	0 42	22 5	1 10	18 45	16 5	23 21	23 25	23 37	11 51	5 58
F 21	8 40	15 59	2 34	16 27	0 45	11 1	1 56	12 6	1 3	2 53	1 36	17 58	0 58	14 58	0 42	22 5	1 10	18 44	16 5	23 22	23 26	23 35	11 49	5 59
S 22	8 18	11 41	3 27	16 31	0 32	11 30	2 2	11 49	1 3	2 51	1 37	17 56	0 58	14 57	0 42	22 5	1 10	18 44	16 5	23 22	23 26	23 34	11 48	5 59
S 23	7 55	6 49	4 10	16 34	0 20	11 58	2 7	11 32	1 3	2 48	1 37	17 54	0 58	14 56	0 42	22 5	1 10	18 43	16 5	23 22	23 26	23 33	11 47	5 59
M24	7 32	1 35	4 42	16 34	0 7	12 25	2 12	11 14	1 3	2 46	1 37	17 52	0 59	14 54	0 42	22 5	1 10	18 43	16 5	23 23	23 26	23 32	11 46	5 59
T 25	7 9	3n48	5 0	16 33	0s 4	12 53	2 17	10 57	1 3	2 44	1 37	17 50	0 59	14 53	0 42	22 5	1 10	18 42	16 5	23 24	23 26	23 31	11 44	5 59
W26	6 47	9 6	5 2	16 31	0 15	13 20	2 23	10 40	1 2	2 41	1 37	17 49	0 59	14 52	0 42	22 6	1 10	18 41	16 5	23 24	23 26	23 30	11 43	5 59
T 27	6 24	14 3	4 48	16 26	0 26	13 46	2 28	10 22	1 2	2 39	1 37	17 47	0 59	14 51	0 42	22 6	1 10	18 41	16 4	23 25	23 26	23 29	11 42	6 0
F 28	6 0	18 23	4 17	16 20	0 37	14 13	2 33	10 4	1 2	2 36	1 37	17 45	0 59	14 50	0 42	22 6	1 10	18 40	16 4	23 25	23 27	23 27	11 41	6 0
S 29	5s37	21n45	3n31	16s13	0s46	14n39	2n39	9s47	1s 2	2s33	1n38	17s43	0s59	14s49	0s42	22n 6	1s10	18s39	16s 4	23s25	23s27	23s26	11s39	6n 0

Julian Day Number = 2115558.5, Delta T = 18m49s
Ecliptic obliquity = 23°33'32, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°55'00, Lahiri = 11°02'00 Julian Calendar 1 Feb. 1080 == Greg. Calendar 7 Feb. 1080

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1080
geocentric

MARCH 1080 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 59 31	16♓48'24	5♊52	19♒ 5	2♉49	8♓13	10°R 4	13♒52	22♒19	21♊ 4	20♓ 7	6°R 1	5♑26	5♑39	11♒32	S 1
M 2	11 3 28	17°47'55	19°52	20° 6	3°49	9° 0	9♎58	13°59	22°22	21° 5	20° 8	6°D 0	5°23	5°45	11°36	M 2
T 3	11 7 25	18°47'23	4♋ 0	21°10	4°47	9°47	9°51	14° 5	22°26	21° 5	20°10	6°R 1	5°20	5°52	11°40	T 3
W 4	11 11 21	19°46'49	18°14	22°16	5°45	10°34	9°44	14°12	22°29	21° 5	20°11	6♑ 0	5°17	5°59	11°44	W 4
T 5	11 15 18	20°46'13	2♌33	23°24	6°43	11°20	9°37	14°18	22°32	21° 5	20°13	5°58	5°14	6° 5	11°47	T 5
F 6	11 19 14	21°45'34	16°53	24°34	7°40	12° 7	9°31	14°24	22°35	21° 6	20°14	5°53	5°10	6°12	11°51	F 6
S 7	11 23 11	22°44'53	1♍10	25°47	8°37	12°54	9°23	14°30	22°38	21° 6	20°16	5°45	5° 7	6°19	11°55	S 7
S 8	11 27 7	23°44'10	15°20	27° 2	9°33	13°41	9°16	14°37	22°41	21° 6	20°17	5°35	5° 4	6°25	11°58	S 8
M 9	11 31 4	24°43'24	29°17	28°18	10°29	14°27	9° 9	14°43	22°44	21° 7	20°19	5°23	5° 1	6°32	12° 2	M 9
T 10	11 35 0	25°42'37	12♎56	29°37	11°24	15°14	9° 2	14°49	22°47	21° 7	20°20	5°11	4°58	6°39	12° 6	T 10
W11	11 38 57	26°41'47	26°14	0♓57	12°18	16° 1	8°55	14°55	22°50	21° 8	20°22	4°59	4°54	6°45	12° 9	W11
T 12	11 42 53	27°40'56	9♏10	2°19	13°12	16°47	8°47	15° 1	22°53	21° 8	20°23	4°50	4°51	6°52	12°13	T 12
F 13	11 46 50	28°40'02	21°45	3°43	14° 5	17°34	8°40	15° 7	22°56	21° 9	20°25	4°43	4°48	6°59	12°16	F 13
S 14	11 50 47	29°39'07	4♐ 1	5° 8	14°57	18°20	8°32	15°13	22°59	21°10	20°26	4°38	4°45	7° 5	12°19	S 14
S 15	11 54 43	0♈38'10	16° 3	6°35	15°49	19° 7	8°25	15°19	23° 2	21°10	20°28	4°36	4°42	7°12	12°23	S 15
M16	11 58 40	1°37'11	27°55	8° 4	16°40	19°53	8°17	15°24	23° 5	21°11	20°29	4°36	4°39	7°19	12°26	M16
T 17	12 2 36	2°36'11	9♑43	9°34	17°30	20°40	8°10	15°30	23° 8	21°12	20°31	4°36	4°35	7°25	12°29	T 17
W18	12 6 33	3°35'08	21°33	11° 6	18°20	21°26	8° 2	15°36	23°11	21°12	20°32	4°35	4°32	7°32	12°33	W18
T 19	12 10 29	4°34'04	3♒29	12°40	19° 8	22°13	7°54	15°41	23°14	21°13	20°34	4°33	4°29	7°38	12°36	T 19
F 20	12 14 26	5°32'58	15°36	14°15	19°56	22°59	7°47	15°47	23°16	21°14	20°35	4°28	4°26	7°45	12°39	F 20
S 21	12 18 22	6°31'50	27°59	15°51	20°43	23°45	7°39	15°52	23°19	21°15	20°37	4°21	4°23	7°52	12°42	S 21
S 22	12 22 19	7°30'40	10♓41	17°30	21°30	24°32	7°31	15°58	23°22	21°15	20°38	4°11	4°20	7°58	12°45	S 22
M23	12 26 16	8°29'28	23°42	19° 9	22°15	25°18	7°23	16° 3	23°25	21°16	20°39	3°59	4°16	8° 5	12°48	M23
T 24	12 30 12	9°28'15	7♈ 1	20°51	22°59	26° 4	7°16	16° 9	23°27	21°17	20°41	3°46	4°13	8°12	12°51	T 24
W25	12 34 9	10°26'59	20°38	22°33	23°43	26°50	7° 8	16°14	23°30	21°18	20°42	3°33	4°10	8°18	12°54	W25
T 26	12 38 5	11°25'41	4♉28	24°18	24°25	27°36	7° 0	16°19	23°33	21°19	20°44	3°23	4° 7	8°25	12°57	T 26
F 27	12 42 2	12°24'21	18°28	26° 4	25° 6	28°22	6°53	16°24	23°35	21°20	20°45	3°14	4° 4	8°32	13° 0	F 27
S 28	12 45 58	13°22'59	2♊34	27°51	25°46	29° 8	6°45	16°29	23°38	21°21	20°47	3° 9	4° 0	8°38	13° 3	S 28
S 29	12 49 55	14°21'35	16°42	29°40	26°25	29°54	6°38	16°34	23°40	21°22	20°48	3° 6	3°57	8°45	13° 5	S 29
M30	12 53 51	15°20'09	0♋51	1♈31	27° 3	0♈40	6°30	16°39	23°43	21°23	20°49	3°D 5	3°54	8°52	13° 8	M30
T 31	12 57 48	16♈18'40	14♋58	3♈24	27♉40	1♈26	6♎22	16♒44	23♒45	21♊25	20♓51	3°R 5	3♑51	8♑58	13♒11	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s14	23n54	2n33	16s 3	0s56	15n 5	2n44	9s29	1s 2	2s31	1n38	17s41	0s59	14s48	0s42	22n 6	1s10	18s39	16s 4	23s25	23s27	23s25	11s38	6n 0
M 2	4 51	24 35	1 25	15 53	1 5	15 30	2 49	9 11	1 1	2 28	1 38	17 40	0 59	14 47	0 42	22 6	1 10	18 38	16 4	23 25	23 27	23 24	11 37	6 0
T 3	4 27	23 41	0 11	15 40	1 13	15 55	2 55	8 53	1 1	2 25	1 38	17 38	0 59	14 46	0 42	22 6	1 10	18 38	16 4	23 25	23 27	23 23	11 36	6 1
W 4	4 4	21 15	1s 4	15 27	1 21	16 20	3 0	8 35	1 1	2 22	1 38	17 36	1 0	14 45	0 42	22 6	1 10	18 37	16 4	23 25	23 27	23 22	11 34	6 1
T 5	3 41	17 29	2 16	15 11	1 29	16 44	3 5	8 17	1 1	2 20	1 38	17 34	1 0	14 44	0 42	22 6	1 10	18 36	16 4	23 25	23 27	23 20	11 33	6 1
F 6	3 17	12 42	3 19	14 54	1 36	17 8	3 10	7 59	1 0	2 17	1 38	17 33	1 0	14 43	0 42	22 6	1 10	18 36	16 4	23 26	23 27	23 19	11 32	6 1
S 7	2 54	7 14	4 9	14 36	1 43	17 31	3 15	7 40	1 0	2 14	1 38	17 31	1 0	14 42	0 42	22 6	1 10	18 35	16 4	23 26	23 28	23 18	11 31	6 1
S 8	2 30	1 28	4 43	14 16	1 49	17 54	3 20	7 22	1 0	2 11	1 38	17 29	1 0	14 41	0 42	22 6	1 9	18 35	16 4	23 26	23 28	23 17	11 30	6 2
M 9	2 6	4s17	4 59	13 55	1 55	18 17	3 26	7 4	1 0	2 8	1 39	17 28	1 0	14 40	0 42	22 6	1 9	18 34	16 5	23 27	23 28	23 16	11 28	6 2
T 10	1 43	9 42	4 58	13 32	2 0	18 39	3 31	6 45	0 59	2 5	1 39	17 26	1 0	14 39	0 42	22 6	1 9	18 34	16 5	23 27	23 28	23 14	11 27	6 2
W11	1 19	14 32	4 41	13 8	2 5	19 1	3 36	6 27	0 59	2 2	1 39	17 24	1 0	14 38	0 42	22 6	1 9	18 33	16 5	23 28	23 28	23 13	11 26	6 2
T 12	0 56	18 33	4 9	12 43	2 9	19 23	3 40	6 8	0 59	1 59	1 39	17 23	1 1	14 37	0 42	22 7	1 9	18 32	16 5	23 28	23 28	23 12	11 25	6 3
F 13	0 32	21 36	3 26	12 16	2 13	19 43	3 45	5 50	0 58	1 56	1 39	17 21	1 1	14 36	0 42	22 7	1 9	18 32	16 5	23 28	23 28	23 11	11 24	6 3
S 14	0 8	23 35	2 34	11 47	2 16	20 4	3 50	5 31	0 58	1 53	1 39	17 19	1 1	14 35	0 42	22 7	1 9	18 31	16 5	23 29	23 28	23 9	11 22	6 3
S 15	0n15	24 26	1 37	11 17	2 19	20 24	3 55	5 13	0 58	1 50	1 39	17 18	1 1	14 34	0 42	22 7	1 9	18 31	16 5	23 29	23 29	23 8	11 21	6 3
M16	0 39	24 8	0 35	10 46	2 22	20 43	4 0	4 54	0 58	1 47	1 39	17 16	1 1	14 33	0 42	22 7	1 9	18 30	16 5	23 29	23 29	23 7	11 20	6 4
T 17	1 2	22 45	0n27	10 14	2 23	21 2	4 4	4 36	0 57	1 44	1 39	17 15	1 1	14 32	0 42	22 7	1 9	18 30	16 5	23 29	23 29	23 6	11 19	6 4
W18	1 26	20 22	1 29	9 40	2 25	21 21	4 9	4 17	0 57	1 41	1 39	17 13	1 1	14 32	0 42	22 7	1 9	18 29	16 5	23 29	23 29	23 4	11 18	6 4
T 19	1 49	17 6	2 27	9 5	2 26	21 39	4 13	3 58	0 57	1 38	1 39	17 11	1 2	14 31	0 42	22 7	1 9	18 29	16 5	23 29	23 29	23 3	11 17	6 5
F 20	2 13	13 4	3 19	8 28	2 26	21 57	4 18	3 39	0 56	1 35	1 39	17 10	1 2	14 30	0 42	22 7	1 9	18 28	16 5	23 29	23 29	23 2	11 15	6 5
S 21	2 36	8 26	4 3	7 51	2 26	22 14	4 22	3 21	0 56	1 32	1 39	17 8	1 2	14 29	0 42	22 7	1 9	18 28	16 5	23 29	23 29	23 1	11 14	6 5
S 22	3 0	3 21	4 36	7 12	2 25	22 30	4 26	3 2	0 56	1 29	1 39	17 7	1 2	14 28	0 42	22 7	1 9	18 27	16 5	23 30	23 29	22 59	11 13	6 5
M23	3 23	2n 0	4 56	6 31	2 24	22 46	4 30	2 43	0 55	1 26	1 39	17 5	1 2	14 27	0 42	22 8	1 9	18 27	16 6	23 30	23 29	22 58	11 12	6 6
T 24	3 46	7 23	5 0	5 50	2 23	23 1	4 34	2 24	0 55	1 23	1 39	17 4	1 2	14 26	0 43	22 8	1 9	18 26	16 6	23 30	23 29	22 57	11 11	6 6
W25	4 9	12 32	4 47	5 7	2 20	23 16	4 38	2 6	0 54	1 20	1 39	17 3	1 2	14 25	0 43	22 8	1 9	18 26	16 6	23 31	23 30	22 56	11 10	6 6
T 26	4 33	17 7	4 18	4 23	2 18	23 31	4 41	1 47	0 54	1 17	1 39	17 1	1 3	14 25	0 43	22 8	1 9	18 25	16 6	23 31	23 30	22 54	11 9	6 7
F 27	4 56	20 49	3 33	3 38	2 15	23 44	4 45	1 28	0 54	1 14	1 39	17 0	1 3	14 24	0 43	22 8	1 9	18 25	16 6	23 31	23 30	22 53	11 8	6 7
S 28	5 18	23 18	2 34	2 51	2 11	23 58	4 48	1 9	0 53	1 11	1 39	16 58	1 3	14 23	0 43	22 8	1 9	18 25	16 6	23 31	23 30	22 52	11 7	6 7
S 29	5 41	24 19	1 26	2 4	2 7	24 10	4 52	0 51	0 53	1 8	1 39	16 57	1 3	14 22	0 43	22 8	1 8	18 24	16 6	23 31	23 30	22 50	11 6	6 8
M30	6 4	23 45	0 12	1 15	2 2	24 22	4 55	0 32	0 52	1 5	1 39	16 56	1 3	14 21	0 43	22 8	1 8	18 24	16 7	23 31	23 30	22 49	11 5	6 8
T 31	6n27	21n41	1s 3	0s26	1s57	24n34	4n58	0s13	0s52	1s 2	1n39	16s54	1s 3	14s21	0s43	22n 8	1s 8	18s23	16s 7	23s31	23s30	22s48	11s 3	6n 8

Julian Day Number = 2115587.5, Delta T = 18m49s
Ecliptic obliquity = 23°33'32, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°55'03, Lahiri = 11°02'04 Julian Calendar 1 March 1080 == Greg. Calendar 7 March 1080

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1080
geocentric

APRIL 1080 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 1 45	17♈17'09	29♋ 3	5♈17	28♉15	2♈12	6°R15	16♒49	23♒47	21♊26	20♓52	3°R 5	3♑48	9♑ 5	13♒13	W 1
T 2	13 5 41	18°15'36	13♌ 6	7°13	28°49	2°58	6♎ 8	16°53	23°50	21°27	20°54	3♑ 3	3°45	9°11	13°16	T 2
F 3	13 9 38	19°14'01	27° 3	9°10	29°21	3°44	6° 0	16°58	23°52	21°28	20°55	2°58	3°41	9°18	13°18	F 3
S 4	13 13 34	20°12'23	10♍55	11° 9	29°52	4°29	5°53	17° 2	23°54	21°29	20°56	2°51	3°38	9°25	13°20	S 4
S 5	13 17 31	21°10'43	24°39	13° 9	0♊22	5°15	5°46	17° 7	23°57	21°31	20°58	2°42	3°35	9°31	13°23	S 5
M 6	13 21 27	22° 9'01	8♎10	15°11	0°50	6° 1	5°39	17°11	23°59	21°32	20°59	2°31	3°32	9°38	13°25	M 6
T 7	13 25 24	23° 7'18	21°28	17°14	1°16	6°46	5°31	17°16	24° 1	21°33	21° 0	2°19	3°29	9°45	13°27	T 7
W 8	13 29 20	24° 5'32	4♏30	19°18	1°41	7°32	5°24	17°20	24° 3	21°35	21° 1	2° 8	3°25	9°51	13°29	W 8
T 9	13 33 17	25° 3'45	17°14	21°24	2° 4	8°17	5°18	17°24	24° 5	21°36	21° 3	1°59	3°22	9°58	13°32	T 9
F 10	13 37 14	26° 1'56	29°42	23°31	2°25	9° 3	5°11	17°28	24° 7	21°37	21° 4	1°52	3°19	10° 5	13°34	F 10
S 11	13 41 10	27° 0'06	11♐54	25°39	2°44	9°48	5° 4	17°32	24° 9	21°39	21° 5	1°48	3°16	10°11	13°36	S 11
S 12	13 45 7	27°58'14	23°55	27°48	3° 1	10°33	4°57	17°36	24°11	21°40	21° 7	1°46	3°13	10°18	13°38	S 12
M13	13 49 3	28°56'20	5♑47	29°57	3°17	11°19	4°51	17°40	24°13	21°42	21° 8	1°D46	3°10	10°25	13°39	M13
T 14	13 53 0	29°54'25	17°35	2♑ 7	3°30	12° 4	4°44	17°44	24°15	21°43	21° 9	1°46	3° 6	10°31	13°41	T 14
W15	13 56 56	0♑52'29	29°25	4°17	3°41	12°49	4°38	17°47	24°17	21°45	21°10	1°R47	3° 3	10°38	13°43	W15
T 16	14 0 53	1°50'31	11♒22	6°26	3°50	13°34	4°32	17°51	24°19	21°46	21°11	1°46	3° 0	10°45	13°45	T 16
F 17	14 4 49	2°48'31	23°31	8°36	3°57	14°19	4°26	17°54	24°20	21°48	21°13	1°44	2°57	10°51	13°46	F 17
S 18	14 8 46	3°46'30	5♓57	10°44	4° 2	15° 4	4°20	17°58	24°22	21°50	21°14	1°40	2°54	10°58	13°48	S 18
S 19	14 12 43	4°44'28	18°44	12°52	4° 4	15°49	4°14	18° 1	24°24	21°51	21°15	1°33	2°51	11° 4	13°49	S 19
M20	14 16 39	5°42'24	1♈53	14°58	4°R 4	16°34	4° 8	18° 4	24°25	21°53	21°16	1°25	2°47	11°11	13°51	M20
T 21	14 20 36	6°40'19	15°26	17° 3	4° 2	17°19	4° 3	18° 8	24°27	21°55	21°17	1°16	2°44	11°18	13°52	T 21
W22	14 24 32	7°38'13	29°21	19° 6	3°57	18° 4	3°57	18°11	24°28	21°56	21°18	1° 7	2°41	11°24	13°54	W22
T 23	14 28 29	8°36'05	13♉33	21° 7	3°50	18°49	3°52	18°14	24°30	21°58	21°19	0°59	2°38	11°31	13°55	T 23
F 24	14 32 25	9°33'55	27°58	23° 6	3°40	19°34	3°47	18°17	24°31	22° 0	21°20	0°53	2°35	11°38	13°56	F 24
S 25	14 36 22	10°31'44	12♊29	25° 2	3°28	20°18	3°42	18°19	24°33	22° 1	21°22	0°50	2°31	11°44	13°57	S 25
S 26	14 40 18	11°29'32	27° 1	26°56	3°14	21° 3	3°37	18°22	24°34	22° 3	21°23	0°D49	2°28	11°51	13°58	S 26
M27	14 44 15	12°27'18	11♋29	28°47	2°57	21°47	3°32	18°25	24°35	22° 5	21°24	0°49	2°25	11°58	13°59	M27
T 28	14 48 12	13°25'02	25°48	0♊35	2°38	22°32	3°28	18°27	24°37	22° 7	21°25	0°50	2°22	12° 4	14° 0	T 28
W29	14 52 8	14°22'44	9♌57	2°20	2°17	23°16	3°23	18°30	24°38	22° 9	21°26	0°R51	2°19	12°11	14° 1	W29
T 30	14 56 5	15♉20'25	23♌55	4♊ 2	1♊53	24♈ 1	3♎19	18♒32	24♒39	22♊10	21♓27	0♑51	2♑16	12♑18	14♒ 2	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	6n49	18n17	2s13	0n25	1s51	24n45	5n 0	0n 5	0s52	0s59	1n39	16s53	1s 4	14s20	0s43	22n 9	1s 8	18s23	16s 7	23s31	23s30	22s46	11s 2	6n 9
T 2	7 12	13 51	3 15	1 16	1 45	24 55	5 3	0 24	0 51	0 56	1 39	16 52	1 4	14 19	0 43	22 9	1 8	18 23	16 7	23 31	23 30	22 45	11 1	6 9
F 3	7 34	8 43	4 5	2 9	1 38	25 5	5 5	0 43	0 51	0 53	1 38	16 51	1 4	14 18	0 43	22 9	1 8	18 22	16 7	23 32	23 30	22 44	11 0	6 9
S 4	7 56	3 11	4 40	3 2	1 31	25 13	5 7	1 1	0 50	0 51	1 38	16 49	1 4	14 18	0 43	22 9	1 8	18 22	16 7	23 32	23 31	22 42	10 59	6 10
S 5	8 18	2s26	4 59	3 57	1 23	25 22	5 9	1 20	0 50	0 48	1 38	16 48	1 4	14 17	0 43	22 9	1 8	18 21	16 8	23 32	23 31	22 41	10 58	6 10
M 6	8 40	7 51	5 1	4 51	1 15	25 30	5 11	1 38	0 50	0 45	1 38	16 47	1 4	14 16	0 43	22 9	1 8	18 21	16 8	23 32	23 31	22 40	10 57	6 10
T 7	9 2	12 49	4 46	5 47	1 6	25 37	5 12	1 57	0 49	0 42	1 38	16 46	1 5	14 15	0 43	22 9	1 8	18 21	16 8	23 32	23 31	22 38	10 57	6 11
W 8	9 23	17 5	4 16	6 43	0 57	25 43	5 14	2 15	0 49	0 40	1 38	16 45	1 5	14 15	0 43	22 9	1 8	18 20	16 8	23 32	23 31	22 37	10 56	6 11
T 9	9 45	20 29	3 34	7 39	0 48	25 49	5 14	2 34	0 48	0 37	1 38	16 44	1 5	14 14	0 43	22 10	1 8	18 20	16 8	23 33	23 31	22 35	10 55	6 11
F 10	10 6	22 50	2 42	8 35	0 38	25 53	5 15	2 52	0 48	0 34	1 38	16 42	1 5	14 13	0 43	22 10	1 8	18 20	16 9	23 33	23 31	22 34	10 54	6 12
S 11	10 27	24 3	1 44	9 32	0 28	25 58	5 15	3 11	0 47	0 32	1 38	16 41	1 5	14 13	0 43	22 10	1 8	18 19	16 9	23 33	23 31	22 33	10 53	6 12
S 12	10 48	24 7	0 42	10 28	0 18	26 1	5 15	3 29	0 47	0 29	1 37	16 40	1 5	14 12	0 43	22 10	1 8	18 19	16 9	23 33	23 31	22 31	10 52	6 12
M13	11 9	23 4	0n21	11 24	0 7	26 4	5 15	3 47	0 46	0 27	1 37	16 39	1 6	14 12	0 43	22 10	1 8	18 19	16 9	23 33	23 31	22 30	10 51	6 13
T 14	11 30	21 1	1 24	12 19	0n 3	26 6	5 14	4 5	0 46	0 24	1 37	16 38	1 6	14 11	0 43	22 10	1 8	18 19	16 9	23 33	23 31	22 29	10 50	6 13
W15	11 50	18 3	2 22	13 14	0 14	26 7	5 13	4 23	0 45	0 22	1 37	16 37	1 6	14 10	0 43	22 10	1 8	18 18	16 10	23 33	23 31	22 27	10 49	6 14
T 16	12 10	14 19	3 16	14 7	0 24	26 7	5 12	4 41	0 45	0 20	1 37	16 36	1 6	14 10	0 43	22 11	1 8	18 18	16 10	23 33	23 31	22 26	10 49	6 14
F 17	12 30	9 57	4 1	14 59	0 35	26 7	5 10	4 59	0 44	0 18	1 37	16 35	1 6	14 9	0 43	22 11	1 8	18 18	16 10	23 33	23 32	22 24	10 48	6 14
S 18	12 50	5 6	4 36	15 50	0 45	26 5	5 7	5 17	0 44	0 15	1 36	16 35	1 6	14 9	0 43	22 11	1 8	18 17	16 10	23 33	23 32	22 23	10 47	6 15
S 19	13 10	0n 6	4 58	16 40	0 56	26 3	5 5	5 35	0 43	0 13	1 36	16 34	1 7	14 8	0 43	22 11	1 8	18 17	16 11	23 33	23 32	22 21	10 46	6 15
M20	13 29	5 26	5 6	17 27	1 5	26 0	5 1	5 53	0 43	0 11	1 36	16 33	1 7	14 8	0 43	22 11	1 8	18 17	16 11	23 33	23 32	22 20	10 45	6 15
T 21	13 49	10 40	4 57	18 13	1 15	25 56	4 58	6 11	0 42	0 9	1 36	16 32	1 7	14 7	0 43	22 11	1 8	18 17	16 11	23 33	23 32	22 19	10 45	6 16
W22	14 8	15 30	4 30	18 56	1 24	25 51	4 53	6 28	0 42	0 7	1 36	16 31	1 7	14 7	0 43	22 11	1 8	18 17	16 11	23 33	23 32	22 17	10 44	6 16
T 23	14 26	19 35	3 46	19 37	1 33	25 45	4 49	6 46	0 41	0 5	1 35	16 31	1 7	14 6	0 43	22 11	1 7	18 16	16 12	23 33	23 32	22 16	10 43	6 17
F 24	14 45	22 31	2 47	20 16	1 40	25 37	4 43	7 4	0 41	0 3	1 35	16 30	1 8	14 6	0 44	22 12	1 7	18 16	16 12	23 33	23 32	22 14	10 42	6 17
S 25	15 3	24 1	1 37	20 52	1 48	25 29	4 37	7 21	0 40	0 1	1 35	16 29	1 8	14 5	0 44	22 12	1 7	18 16	16 12	23 33	23 32	22 13	10 42	6 17
S 26	15 21	23 52	0 20	21 26	1 55	25 20	4 31	7 38	0 40	0n 0	1 35	16 28	1 8	14 5	0 44	22 12	1 7	18 16	16 12	23 33	23 32	22 11	10 41	6 18
M27	15 39	22 7	0s57	21 57	2 0	25 10	4 24	7 56	0 39	0 2	1 35	16 28	1 8	14 5	0 44	22 12	1 7	18 16	16 13	23 33	23 32	22 10	10 40	6 18
T 28	15 57	18 57	2 11	22 25	2 6	24 59	4 16	8 13	0 39	0 4	1 34	16 27	1 8	14 4	0 44	22 12	1 7	18 16	16 13	23 33	23 32	22 8	10 40	6 19
W29	16 14	14 42	3 16	22 51	2 10	24 46	4 8	8 30	0 38	0 5	1 34	16 27	1 8	14 4	0 44	22 12	1 7	18 15	16 13	23 33	23 32	22 7	10 39	6 19
T 30	16n31	9n43	4s 8	23n15	2n14	24n33	4n 0	8n47	0s38	0n 7	1n34	16s26	1s 9	14s 3	0s44	22n12	1s 7	18s15	16s14	23s33	23s32	22s 6	10s38	6n19

Julian Day Number = 2115618.5, Delta T = 18m49s
Ecliptic obliquity = 23°33'32, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°55'08, Lahiri = 11°02'08 Julian Calendar 1 Apr. 1080 == Greg. Calendar 7 Apr. 1080

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1080
geocentric

MAY 1080 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	15 0 1	16♉18'03	7♍41	5♊41	1°R27	24♈45	3°R15	18♒34	24♒40	22♊12	21♓28	0°R49	2♑12	12♑24	14♒ 3	F 1
S 2	15 3 58	17°15'41	21°14	7°16	0♊59	25°30	3♎11	18°36	24°41	22°14	21°28	0♑45	2° 9	12°31	14° 4	S 2
S 3	15 7 54	18°13'16	4♎35	8°49	0°30	26°14	3° 7	18°39	24°42	22°16	21°29	0°39	2° 6	12°38	14° 4	S 3
M 4	15 11 51	19°10'51	17°43	10°18	29♉58	26°58	3° 4	18°40	24°43	22°18	21°30	0°33	2° 3	12°44	14° 5	M 4
T 5	15 15 47	20° 8'23	0♏38	11°44	29°25	27°42	3° 1	18°42	24°44	22°20	21°31	0°26	2° 0	12°51	14° 5	T 5
W 6	15 19 44	21° 5'55	13°19	13° 6	28°51	28°26	2°57	18°44	24°45	22°22	21°32	0°19	1°57	12°57	14° 6	W 6
T 7	15 23 41	22° 3'25	25°47	14°25	28°15	29°10	2°54	18°46	24°46	22°24	21°33	0°14	1°53	13° 4	14° 6	T 7
F 8	15 27 37	23° 0'55	8♐ 3	15°41	27°39	29°54	2°51	18°47	24°47	22°26	21°34	0°10	1°50	13°11	14° 7	F 8
S 9	15 31 34	23°58'23	20° 7	16°53	27° 2	0♉38	2°49	18°49	24°48	22°28	21°35	0° 8	1°47	13°17	14° 7	S 9
S 10	15 35 30	24°55'51	2♑ 3	18° 1	26°24	1°22	2°46	18°50	24°48	22°30	21°35	0°D 7	1°44	13°24	14° 7	S 10
M11	15 39 27	25°53'17	13°53	19° 6	25°46	2° 6	2°44	18°52	24°49	22°32	21°36	0° 8	1°41	13°31	14° 7	M11
T 12	15 43 23	26°50'43	25°41	20° 8	25° 9	2°50	2°41	18°53	24°49	22°34	21°37	0°10	1°37	13°37	14° 7	T 12
W13	15 47 20	27°48'07	7♒31	21° 5	24°31	3°33	2°39	18°54	24°50	22°36	21°38	0°11	1°34	13°44	14°R 7	W13
T 14	15 51 16	28°45'31	19°28	21°59	23°54	4°17	2°38	18°55	24°51	22°38	21°38	0°13	1°31	13°51	14° 7	T 14
F 15	15 55 13	29°42'55	1♓37	22°49	23°18	5° 1	2°36	18°56	24°51	22°40	21°39	0°R13	1°28	13°57	14° 7	F 15
S 16	15 59 10	0♊40'17	14° 2	23°35	22°43	5°44	2°34	18°57	24°51	22°42	21°40	0°12	1°25	14° 4	14° 7	S 16
S 17	16 3 6	1°37'39	26°49	24°17	22° 9	6°28	2°33	18°57	24°52	22°44	21°40	0°10	1°22	14°11	14° 7	S 17
M18	16 7 3	2°35'01	9♈59	24°54	21°36	7°11	2°32	18°58	24°52	22°47	21°41	0° 7	1°18	14°17	14° 6	M18
T 19	16 10 59	3°32'21	23°35	25°28	21° 5	7°54	2°31	18°59	24°52	22°49	21°42	0° 3	1°15	14°24	14° 6	T 19
W20	16 14 56	4°29'42	7♉37	25°57	20°36	8°38	2°30	18°59	24°53	22°51	21°42	29♐59	1°12	14°31	14° 5	W20
T 21	16 18 52	5°27'01	22° 1	26°22	20° 8	9°21	2°30	18°59	24°53	22°53	21°43	29°56	1° 9	14°37	14° 5	T 21
F 22	16 22 49	6°24'20	6♊43	26°42	19°43	10° 4	2°29	19° 0	24°53	22°55	21°43	29°54	1° 6	14°44	14° 4	F 22
S 23	16 26 45	7°21'39	21°35	26°58	19°19	10°47	2°29	19° 0	24°53	22°57	21°44	29°53	1° 2	14°50	14° 4	S 23
S 24	16 30 42	8°18'56	6♋30	27° 9	18°58	11°30	2°D29	19°R 0	24°R53	22°59	21°44	29°D53	0°59	14°57	14° 3	S 24
M25	16 34 39	9°16'13	21°20	27°16	18°39	12°13	2°29	19° 0	24°53	23° 2	21°45	29°54	0°56	15° 4	14° 2	M25
T 26	16 38 35	10°13'29	5♌59	27°R18	18°23	12°56	2°30	18°59	24°53	23° 4	21°45	29°55	0°53	15°10	14° 1	T 26
W27	16 42 32	11°10'44	20°21	27°16	18° 8	13°39	2°30	18°59	24°53	23° 6	21°46	29°56	0°50	15°17	14° 1	W27
T 28	16 46 28	12° 7'59	4♍25	27° 9	17°57	14°22	2°31	18°59	24°52	23° 8	21°46	29°57	0°47	15°24	14° 0	T 28
F 29	16 50 25	13° 5'12	18° 9	26°58	17°47	15° 5	2°32	18°58	24°52	23°10	21°47	29°R57	0°43	15°30	13°59	F 29
S 30	16 54 21	14° 2'24	1♎35	26°43	17°40	15°48	2°33	18°58	24°52	23°13	21°47	29°56	0°40	15°37	13°58	S 30
S 31	16 58 18	14♊59'36	14♎42	26♊24	17♉35	16♉30	2♎34	18♒57	24♒52	23♊15	21♓47	29♐55	0♑37	15♑44	13♒56	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n48	4n20	4s45	23n36	2n17	24n19	3n50	9n 4	0s37	0n 8	1n34	16s26	1s 9	14s 3	0s44	22n13	1s 7	18s15	16s14	23s33	23s32	22s 4	10s38	6n20
S 2	17 4	1s11	5 5	23 55	2 19	24 3	3 41	9 20	0 37	0 9	1 34	16 25	1 9	14 3	0 44	22 13	1 7	18 15	16 14	23 33	23 32	22 3	10 37	6 20
S 3	17 20	6 33	5 9	24 11	2 20	23 47	3 30	9 37	0 36	0 11	1 33	16 25	1 9	14 2	0 44	22 13	1 7	18 15	16 15	23 33	23 33	22 1	10 37	6 21
M 4	17 36	11 32	4 56	24 26	2 21	23 29	3 19	9 53	0 35	0 12	1 33	16 24	1 9	14 2	0 44	22 13	1 7	18 15	16 15	23 33	23 33	22 0	10 36	6 21
T 5	17 52	15 55	4 28	24 38	2 21	23 11	3 8	10 10	0 35	0 13	1 33	16 24	1 10	14 2	0 44	22 13	1 7	18 15	16 15	23 33	23 33	21 58	10 36	6 21
W 6	18 7	19 31	3 47	24 47	2 19	22 52	2 56	10 26	0 34	0 14	1 33	16 23	1 10	14 2	0 44	22 13	1 7	18 15	16 15	23 33	23 33	21 57	10 35	6 22
T 7	18 22	22 9	2 56	24 55	2 17	22 31	2 43	10 42	0 34	0 15	1 32	16 23	1 10	14 1	0 44	22 13	1 7	18 15	16 16	23 34	23 33	21 55	10 35	6 22
F 8	18 37	23 41	1 57	25 1	2 15	22 11	2 31	10 59	0 33	0 16	1 32	16 23	1 10	14 1	0 44	22 14	1 7	18 15	16 16	23 34	23 33	21 54	10 34	6 23
S 9	18 52	24 6	0 54	25 5	2 11	21 49	2 18	11 15	0 33	0 17	1 32	16 22	1 10	14 1	0 44	22 14	1 7	18 15	16 16	23 34	23 33	21 52	10 34	6 23
S 10	19 6	23 22	0n11	25 7	2 6	21 27	2 4	11 30	0 32	0 18	1 32	16 22	1 11	14 1	0 44	22 14	1 7	18 15	16 17	23 34	23 33	21 51	10 33	6 23
M11	19 19	21 36	1 15	25 7	2 1	21 5	1 50	11 46	0 31	0 18	1 31	16 22	1 11	14 1	0 44	22 14	1 7	18 15	16 17	23 34	23 33	21 49	10 33	6 24
T 12	19 33	18 54	2 15	25 6	1 55	20 42	1 37	12 2	0 31	0 19	1 31	16 22	1 11	14 0	0 44	22 14	1 7	18 15	16 17	23 34	23 33	21 47	10 32	6 24
W13	19 46	15 25	3 11	25 3	1 48	20 20	1 23	12 17	0 30	0 20	1 31	16 22	1 11	14 0	0 44	22 14	1 7	18 15	16 18	23 34	23 33	21 46	10 32	6 25
T 14	19 59	11 17	3 58	24 59	1 40	19 57	1 8	12 33	0 30	0 20	1 30	16 21	1 11	14 0	0 44	22 14	1 7	18 15	16 18	23 34	23 33	21 44	10 32	6 25
F 15	20 11	6 39	4 36	24 53	1 31	19 34	0 54	12 48	0 29	0 20	1 30	16 21	1 12	14 0	0 44	22 15	1 7	18 15	16 18	23 34	23 33	21 43	10 31	6 25
S 16	20 24	1 40	5 2	24 46	1 22	19 11	0 40	13 3	0 28	0 21	1 30	16 21	1 12	14 0	0 44	22 15	1 7	18 15	16 19	23 34	23 33	21 41	10 31	6 26
S 17	20 35	3n31	5 13	24 37	1 11	18 49	0 26	13 18	0 28	0 21	1 30	16 21	1 12	14 0	0 44	22 15	1 7	18 15	16 19	23 34	23 33	21 40	10 31	6 26
M18	20 47	8 42	5 9	24 28	1 0	18 27	0 12	13 33	0 27	0 21	1 29	16 21	1 12	14 0	0 44	22 15	1 7	18 15	16 19	23 34	23 33	21 38	10 30	6 26
T 19	20 58	13 39	4 48	24 17	0 48	18 5	0s 2	13 48	0 27	0 21	1 29	16 21	1 12	14 0	0 45	22 15	1 7	18 15	16 20	23 34	23 33	21 37	10 30	6 27
W20	21 9	18 2	4 9	24 6	0 36	17 45	0 15	14 2	0 26	0 21	1 29	16 21	1 13	14 0	0 45	22 15	1 7	18 15	16 20	23 34	23 33	21 35	10 30	6 27
T 21	21 19	21 29	3 14	23 53	0 23	17 24	0 29	14 17	0 25	0 21	1 29	16 21	1 13	14 0	0 45	22 15	1 7	18 15	16 21	23 34	23 33	21 33	10 30	6 28
F 22	21 29	23 35	2 4	23 40	0 9	17 5	0 42	14 31	0 25	0 21	1 28	16 21	1 13	14 0	0 45	22 15	1 7	18 15	16 21	23 34	23 33	21 32	10 29	6 28
S 23	21 39	24 3	0 46	23 26	0s 6	16 47	0 54	14 45	0 24	0 21	1 28	16 22	1 13	14 0	0 45	22 16	1 7	18 15	16 21	23 34	23 33	21 30	10 29	6 28
S 24	21 48	22 47	0s36	23 11	0 21	16 29	1 6	14 59	0 23	0 21	1 28	16 22	1 13	14 0	0 45	22 16	1 7	18 15	16 22	23 34	23 33	21 29	10 29	6 29
M25	21 57	19 57	1 56	22 55	0 36	16 12	1 18	15 13	0 23	0 21	1 28	16 22	1 14	14 0	0 45	22 16	1 7	18 16	16 22	23 34	23 33	21 27	10 29	6 29
T 26	22 6	15 52	3 6	22 39	0 52	15 57	1 30	15 27	0 22	0 20	1 27	16 22	1 14	14 0	0 45	22 16	1 7	18 16	16 22	23 34	23 33	21 26	10 29	6 29
W27	22 14	10 55	4 4	22 23	1 9	15 42	1 41	15 40	0 22	0 20	1 27	16 23	1 14	14 0	0 45	22 16	1 7	18 16	16 23	23 34	23 33	21 24	10 29	6 30
T 28	22 22	5 30	4 46	22 6	1 25	15 29	1 52	15 54	0 21	0 19	1 27	16 23	1 14	14 0	0 45	22 16	1 7	18 16	16 23	23 34	23 33	21 22	10 29	6 30
F 29	22 29	0s 3	5 10	21 49	1 42	15 16	2 2	16 7	0 20	0 19	1 26	16 23	1 14	14 0	0 45	22 16	1 7	18 16	16 23	23 34	23 33	21 21	10 29	6 31
S 30	22 36	5 27	5 16	21 32	1 59	15 5	2 11	16 20	0 20	0 18	1 26	16 24	1 14	14 0	0 45	22 17	1 7	18 16	16 24	23 34	23 33	21 19	10 29	6 31
S 31	22n43	10s31	5s 6	21n15	2s15	14n55	2s21	16n33	0s19	0n17	1n26	16s24	1s15	14s 0	0s45	22n17	1s 7	18s17	16s24	23s34	23s33	21s17	10s29	6n31

Julian Day Number = 2115648.5, Delta T = 18m48s
Ecliptic obliquity = 23°33'31, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°55'12, Lahiri = 11°02'12 Julian Calendar 1 May 1080 == Greg. Calendar 7 May 1080

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1080
geocentric

JUNE 1080 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 2 14	15♊56'47	27♎32	26°R 1	17°R33	17♉13	2♎35	18°R56	24°R51	23♊17	21♓48	29°R53	0♑34	15♑50	13°R55	M 1
T 2	17 6 11	16°53'58	10♏ 8	25♊35	17°D33	17°55	2°37	18♒55	24♒51	23°19	21°48	29♐51	0°31	15°57	13♒54	T 2
W 3	17 10 8	17°51'08	22°32	25° 6	17♉35	18°38	2°39	18°54	24°50	23°21	21°48	29°50	0°28	16° 4	13°53	W 3
T 4	17 14 4	18°48'18	4♐44	24°34	17°39	19°20	2°40	18°53	24°50	23°24	21°49	29°48	0°24	16°10	13°51	T 4
F 5	17 18 1	19°45'27	16°47	24° 1	17°46	20° 3	2°43	18°52	24°49	23°26	21°49	29°47	0°21	16°17	13°50	F 5
S 6	17 21 57	20°42'37	28°43	23°27	17°55	20°45	2°45	18°51	24°49	23°28	21°49	29°D47	0°18	16°24	13°49	S 6
S 7	17 25 54	21°39'46	10♑34	22°51	18° 6	21°27	2°47	18°50	24°48	23°30	21°49	29°47	0°15	16°30	13°47	S 7
M 8	17 29 50	22°36'54	22°22	22°16	18°19	22° 9	2°50	18°48	24°47	23°33	21°49	29°48	0°12	16°37	13°45	M 8
T 9	17 33 47	23°34'03	4♒11	21°40	18°34	22°51	2°53	18°47	24°47	23°35	21°50	29°48	0° 8	16°44	13°44	T 9
W10	17 37 43	24°31'12	16° 2	21° 6	18°51	23°33	2°56	18°45	24°46	23°37	21°50	29°49	0° 5	16°50	13°42	W10
T 11	17 41 40	25°28'21	28° 1	20°34	19°10	24°15	2°59	18°43	24°45	23°39	21°50	29°50	0° 2	16°57	13°40	T 11
F 12	17 45 37	26°25'30	10♓10	20° 3	19°30	24°57	3° 2	18°42	24°44	23°42	21°50	29°50	29♐59	17° 3	13°39	F 12
S 13	17 49 33	27°22'39	22°34	19°36	19°53	25°39	3° 5	18°40	24°43	23°44	21°50	29°R50	29°56	17°10	13°37	S 13
S 14	17 53 30	28°19'49	5♈18	19°11	20°17	26°21	3° 9	18°38	24°42	23°46	21°50	29°50	29°53	17°17	13°35	S 14
M15	17 57 26	29°16'59	18°24	18°50	20°43	27° 3	3°13	18°36	24°41	23°48	21°50	29°50	29°49	17°23	13°33	M15
T 16	18 1 23	0♋14'09	1♉55	18°34	21°10	27°45	3°17	18°33	24°40	23°50	21°R50	29°D50	29°46	17°30	13°31	T 16
W17	18 5 19	1°11'20	15°53	18°21	21°39	28°26	3°21	18°31	24°39	23°53	21°50	29°50	29°43	17°37	13°29	W17
T 18	18 9 16	2° 8'31	0♊17	18°13	22° 9	29° 8	3°25	18°29	24°38	23°55	21°50	29°50	29°40	17°43	13°27	T 18
F 19	18 13 12	3° 5'43	15° 2	18°D10	22°41	29°49	3°29	18°26	24°37	23°57	21°50	29°50	29°37	17°50	13°25	F 19
S 20	18 17 9	4° 2'54	0♋ 3	18°13	23°14	0♊31	3°34	18°24	24°36	23°59	21°50	29°R50	29°34	17°57	13°22	S 20
S 21	18 21 6	5° 0'07	15°12	18°20	23°49	1°12	3°39	18°21	24°34	24° 2	21°50	29°50	29°30	18° 3	13°20	S 21
M22	18 25 2	5°57'19	0♌20	18°32	24°24	1°54	3°44	18°19	24°33	24° 4	21°50	29°50	29°27	18°10	13°18	M22
T 23	18 28 59	6°54'31	15°16	18°50	25° 1	2°35	3°49	18°16	24°32	24° 6	21°50	29°49	29°24	18°17	13°16	T 23
W24	18 32 55	7°51'44	29°55	19°14	25°39	3°16	3°54	18°13	24°30	24° 8	21°49	29°48	29°21	18°23	13°13	W24
T 25	18 36 52	8°48'56	14♍11	19°42	26°18	3°57	3°59	18°10	24°29	24°10	21°49	29°48	29°18	18°30	13°11	T 25
F 26	18 40 48	9°46'09	28° 2	20°16	26°58	4°38	4° 5	18° 7	24°27	24°13	21°49	29°47	29°14	18°37	13° 8	F 26
S 27	18 44 45	10°43'22	11♎28	20°55	27°39	5°19	4°10	18° 4	24°26	24°15	21°49	29°D47	29°11	18°43	13° 6	S 27
S 28	18 48 42	11°40'35	24°30	21°40	28°21	6° 0	4°16	18° 1	24°24	24°17	21°48	29°47	29° 8	18°50	13° 3	S 28
M29	18 52 38	12°37'48	7♏12	22°30	29° 5	6°41	4°22	17°58	24°23	24°19	21°48	29°48	29° 5	18°57	13° 1	M29
T 30	18 56 35	13♋35'02	19♏37	23♊25	29♉49	7♊22	4♎28	17♒55	24♒21	24♊21	21♓48	29♐49	29♐ 2	19♑ 3	12♒58	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n49	15s 0	4s40	20n58	2s32	14n45	2s30	16n46	0s18	0n16	1n26	16s24	1s15	14s 1	0s45	22n17	1s 7	18s17	16s25	23s34	23s33	21s16	10s29	6n32
T 2	22 55	18 45	4 2	20 42	2 48	14 37	2 38	16 58	0 18	0 16	1 25	16 25	1 15	14 1	0 45	22 17	1 7	18 17	16 25	23 33	23 33	21 14	10 29	6 32
W 3	23 0	21 35	3 12	20 25	3 3	14 30	2 46	17 11	0 17	0 15	1 25	16 25	1 15	14 1	0 45	22 17	1 6	18 17	16 25	23 33	23 33	21 13	10 29	6 32
T 4	23 5	23 24	2 15	20 10	3 17	14 24	2 53	17 23	0 16	0 14	1 25	16 26	1 15	14 1	0 45	22 17	1 6	18 17	16 26	23 33	23 33	21 11	10 29	6 33
F 5	23 10	24 5	1 12	19 54	3 31	14 19	3 1	17 35	0 16	0 13	1 24	16 26	1 16	14 1	0 45	22 17	1 6	18 18	16 26	23 33	23 33	21 9	10 29	6 33
S 6	23 14	23 39	0 6	19 40	3 44	14 16	3 7	17 47	0 15	0 11	1 24	16 27	1 16	14 2	0 45	22 17	1 6	18 18	16 26	23 33	23 33	21 8	10 29	6 33
S 7	23 18	22 9	1n 0	19 27	3 56	14 13	3 13	17 59	0 14	0 10	1 24	16 28	1 16	14 2	0 45	22 18	1 6	18 18	16 27	23 33	23 33	21 6	10 29	6 34
M 8	23 21	19 41	2 2	19 14	4 6	14 11	3 19	18 11	0 14	0 9	1 24	16 28	1 16	14 2	0 45	22 18	1 6	18 18	16 27	23 33	23 33	21 4	10 29	6 34
T 9	23 24	16 24	3 0	19 3	4 15	14 9	3 25	18 22	0 13	0 7	1 23	16 29	1 16	14 2	0 45	22 18	1 6	18 19	16 28	23 33	23 33	21 3	10 29	6 34
W10	23 27	12 27	3 50	18 54	4 22	14 9	3 30	18 33	0 12	0 6	1 23	16 30	1 17	14 3	0 45	22 18	1 6	18 19	16 28	23 33	23 33	21 1	10 29	6 35
T 11	23 29	8 0	4 30	18 45	4 29	14 10	3 34	18 44	0 12	0 5	1 23	16 30	1 17	14 3	0 45	22 18	1 6	18 19	16 28	23 33	23 34	20 59	10 29	6 35
F 12	23 31	3 10	4 59	18 39	4 33	14 11	3 39	18 55	0 11	0 3	1 23	16 31	1 17	14 3	0 45	22 18	1 6	18 20	16 29	23 33	23 34	20 58	10 30	6 35
S 13	23 32	1n52	5 15	18 33	4 36	14 13	3 43	19 6	0 10	0 1	1 22	16 32	1 17	14 4	0 45	22 18	1 6	18 20	16 29	23 33	23 34	20 56	10 30	6 36
S 14	23 33	6 57	5 16	18 30	4 38	14 16	3 46	19 17	0 10	0s 0	1 22	16 33	1 17	14 4	0 46	22 18	1 6	18 20	16 29	23 33	23 33	20 54	10 30	6 36
M15	23 33	11 53	5 1	18 28	4 38	14 20	3 50	19 27	0 9	0 2	1 22	16 33	1 18	14 4	0 46	22 18	1 6	18 21	16 30	23 33	23 33	20 53	10 30	6 36
T 16	23 33	16 24	4 29	18 28	4 36	14 24	3 53	19 37	0 8	0 4	1 22	16 34	1 18	14 5	0 46	22 19	1 6	18 21	16 30	23 33	23 33	20 51	10 31	6 36
W17	23 33	20 12	3 41	18 30	4 34	14 29	3 55	19 47	0 8	0 6	1 21	16 35	1 18	14 5	0 46	22 19	1 6	18 21	16 31	23 33	23 33	20 49	10 31	6 37
T 18	23 32	22 52	2 37	18 34	4 29	14 34	3 58	19 57	0 7	0 8	1 21	16 36	1 18	14 6	0 46	22 19	1 6	18 22	16 31	23 33	23 33	20 48	10 31	6 37
F 19	23 31	24 4	1 21	18 39	4 24	14 40	4 0	20 7	0 6	0 10	1 21	16 37	1 18	14 6	0 46	22 19	1 6	18 22	16 31	23 33	23 33	20 46	10 32	6 37
S 20	23 30	23 32	0s 1	18 45	4 18	14 46	4 2	20 16	0 5	0 12	1 20	16 38	1 18	14 6	0 46	22 19	1 6	18 22	16 32	23 33	23 33	20 44	10 32	6 38
S 21	23 28	21 17	1 24	18 54	4 10	14 53	4 3	20 26	0 5	0 14	1 20	16 39	1 19	14 7	0 46	22 19	1 6	18 23	16 32	23 33	23 33	20 42	10 32	6 38
M22	23 25	17 33	2 41	19 3	4 1	15 1	4 5	20 35	0 4	0 16	1 20	16 40	1 19	14 7	0 46	22 19	1 6	18 23	16 32	23 33	23 33	20 41	10 33	6 38
T 23	23 23	12 44	3 47	19 14	3 52	15 8	4 6	20 44	0 3	0 18	1 20	16 41	1 19	14 8	0 46	22 19	1 6	18 24	16 33	23 33	23 33	20 39	10 33	6 38
W24	23 19	7 15	4 35	19 27	3 41	15 16	4 7	20 52	0 3	0 21	1 19	16 42	1 19	14 8	0 46	22 19	1 6	18 24	16 33	23 33	23 33	20 37	10 34	6 39
T 25	23 16	1 33	5 6	19 40	3 30	15 25	4 7	21 1	0 2	0 23	1 19	16 43	1 19	14 9	0 46	22 19	1 6	18 24	16 33	23 33	23 33	20 36	10 34	6 39
F 26	23 12	4s 4	5 17	19 54	3 18	15 34	4 8	21 9	0 1	0 25	1 19	16 44	1 20	14 9	0 46	22 20	1 6	18 25	16 34	23 33	23 33	20 34	10 34	6 39
S 27	23 7	9 19	5 11	20 9	3 6	15 43	4 8	21 17	0 0	0 28	1 19	16 45	1 20	14 10	0 46	22 20	1 6	18 25	16 34	23 33	23 33	20 32	10 35	6 39
S 28	23 3	14 0	4 48	20 25	2 53	15 52	4 8	21 25	0n 0	0 30	1 18	16 46	1 20	14 10	0 46	22 20	1 6	18 26	16 35	23 33	23 33	20 30	10 35	6 39
M29	22 57	17 57	4 12	20 41	2 40	16 1	4 8	21 33	0 1	0 33	1 18	16 47	1 20	14 11	0 46	22 20	1 6	18 26	16 35	23 33	23 33	20 29	10 36	6 40
T 30	22n52	21s 1	3s25	20n57	2s27	16n11	4s 7	21n41	0n 2	0s36	1n18	16s49	1s20	14s12	0s46	22n20	1s 6	18s27	16s35	23s33	23s33	20s27	10s36	6n40

Julian Day Number = 2115679.5, Delta T = 18m48s
Ecliptic obliquity = 23°33'30, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°55'16, Lahiri = 11°02'17 Julian Calendar 1 June 1080 == Greg. Calendar 7 June 1080

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1080
geocentric

JULY 1080 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 0 31	14♋32'16	1♐48	24♊25	0♊33	8♊ 3	4♎34	17°R51	24°R20	24♊23	21°R47	29♐50	28♐59	19♑10	12°R56	W 1
T 2	19 4 28	15°29'30	13°49	25°30	1°19	8°43	4°41	17♒48	24♒18	24°25	21♓47	29°51	28°55	19°17	12♒53	T 2
F 3	19 8 24	16°26'45	25°43	26°40	2° 6	9°24	4°47	17°44	24°16	24°27	21°47	29°R52	28°52	19°23	12°50	F 3
S 4	19 12 21	17°24'01	7♑33	27°55	2°53	10° 5	4°54	17°41	24°14	24°30	21°46	29°52	28°49	19°30	12°47	S 4
S 5	19 16 17	18°21'17	19°21	29°15	3°41	10°45	5° 1	17°37	24°13	24°32	21°46	29°51	28°46	19°37	12°45	S 5
M 6	19 20 14	19°18'34	1♒10	0♋40	4°30	11°26	5° 8	17°34	24°11	24°34	21°46	29°49	28°43	19°43	12°42	M 6
T 7	19 24 11	20°15'51	13° 2	2° 9	5°20	12° 6	5°15	17°30	24° 9	24°36	21°45	29°46	28°40	19°50	12°39	T 7
W 8	19 28 7	21°13'10	24°58	3°42	6°10	12°46	5°22	17°26	24° 7	24°38	21°45	29°43	28°36	19°57	12°36	W 8
T 9	19 32 4	22°10'29	7♓ 2	5°19	7° 1	13°27	5°29	17°22	24° 5	24°40	21°44	29°39	28°33	20° 3	12°33	T 9
F 10	19 36 0	23° 7'49	19°16	7° 1	7°53	14° 7	5°36	17°18	24° 3	24°42	21°44	29°36	28°30	20°10	12°30	F 10
S 11	19 39 57	24° 5'11	1♈43	8°46	8°45	14°47	5°44	17°14	24° 1	24°44	21°43	29°33	28°27	20°16	12°27	S 11
S 12	19 43 53	25° 2'34	14°25	10°34	9°38	15°27	5°52	17°10	23°59	24°46	21°43	29°32	28°24	20°23	12°25	S 12
M13	19 47 50	25°59'58	27°27	12°25	10°32	16° 7	5°59	17° 6	23°57	24°48	21°42	29°D31	28°20	20°30	12°22	M13
T 14	19 51 46	26°57'23	10♉51	14°19	11°26	16°47	6° 7	17° 2	23°55	24°50	21°41	29°32	28°17	20°36	12°19	T 14
W15	19 55 43	27°54'49	24°40	16°16	12°20	17°27	6°15	16°58	23°53	24°52	21°41	29°33	28°14	20°43	12°16	W15
T 16	19 59 40	28°52'17	8♊53	18°15	13°15	18° 7	6°23	16°54	23°51	24°54	21°40	29°35	28°11	20°50	12°12	T 16
F 17	20 3 36	29°49'46	23°29	20°15	14°11	18°47	6°32	16°50	23°49	24°56	21°39	29°R36	28° 8	20°56	12° 9	F 17
S 18	20 7 33	0♌47'17	8♋25	22°17	15° 7	19°26	6°40	16°46	23°47	24°58	21°39	29°36	28° 5	21° 3	12° 6	S 18
S 19	20 11 29	1°44'49	23°33	24°19	16° 4	20° 6	6°49	16°41	23°45	24°59	21°38	29°34	28° 1	21°10	12° 3	S 19
M20	20 15 26	2°42'22	8♌45	26°22	17° 1	20°46	6°57	16°37	23°43	25° 1	21°37	29°31	27°58	21°16	12° 0	M20
T 21	20 19 22	3°39'56	23°51	28°26	17°58	21°25	7° 6	16°33	23°40	25° 3	21°37	29°27	27°55	21°23	11°57	T 21
W22	20 23 19	4°37'31	8♍40	0♌30	18°56	22° 4	7°15	16°28	23°38	25° 5	21°36	29°21	27°52	21°30	11°54	W22
T 23	20 27 15	5°35'07	23° 7	2°33	19°54	22°44	7°24	16°24	23°36	25° 7	21°35	29°16	27°49	21°36	11°51	T 23
F 24	20 31 12	6°32'44	7♎ 7	4°36	20°53	23°23	7°33	16°19	23°34	25° 9	21°34	29°12	27°46	21°43	11°48	F 24
S 25	20 35 9	7°30'22	20°38	6°38	21°52	24° 2	7°42	16°15	23°32	25°10	21°34	29° 9	27°42	21°50	11°45	S 25
S 26	20 39 5	8°28'01	3♏42	8°40	22°51	24°42	7°51	16°10	23°29	25°12	21°33	29°D 8	27°39	21°56	11°41	S 26
M27	20 43 2	9°25'41	16°23	10°40	23°51	25°21	8° 1	16° 6	23°27	25°14	21°32	29° 8	27°36	22° 3	11°38	M27
T 28	20 46 58	10°23'22	28°43	12°40	24°51	26° 0	8°10	16° 1	23°25	25°15	21°31	29° 9	27°33	22°10	11°35	T 28
W29	20 50 55	11°21'05	10♐49	14°39	25°52	26°39	8°20	15°57	23°22	25°17	21°30	29°11	27°30	22°16	11°32	W29
T 30	20 54 51	12°18'48	22°44	16°36	26°53	27°17	8°29	15°52	23°20	25°19	21°29	29°12	27°26	22°23	11°29	T 30
F 31	20 58 48	13♌16'33	4♑33	18♌32	27♊54	27♊56	8♎39	15♒48	23♒18	25♊20	21♓29	29°R12	27♐23	22♑30	11♒26	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n46	23s 4	2s29	21n14	2s13	16n21	4s 7	21n48	0n 2	0s38	1n18	16s50	1s20	14s12	0s46	22n20	1s 6	18s27	16s36	23s33	23s33	20s25	10s37	6n40
T 2	22 39	24 1	1 28	21 30	1 59	16 31	4 6	21 55	0 3	0 41	1 17	16 51	1 21	14 13	0 46	22 20	1 6	18 27	16 36	23 33	23 33	20 23	10 38	6 40
F 3	22 32	23 52	0 23	21 46	1 45	16 41	4 5	22 2	0 4	0 44	1 17	16 52	1 21	14 13	0 46	22 20	1 6	18 28	16 36	23 33	23 33	20 22	10 38	6 40
S 4	22 25	22 38	0n42	22 2	1 30	16 51	4 4	22 9	0 5	0 47	1 17	16 54	1 21	14 14	0 46	22 20	1 6	18 28	16 37	23 33	23 33	20 20	10 39	6 41
S 5	22 18	20 25	1 46	22 17	1 16	17 2	4 2	22 15	0 5	0 50	1 17	16 55	1 21	14 15	0 46	22 20	1 6	18 29	16 37	23 33	23 33	20 18	10 39	6 41
M 6	22 10	17 19	2 44	22 31	1 2	17 12	4 1	22 22	0 6	0 53	1 17	16 56	1 21	14 15	0 46	22 20	1 6	18 29	16 37	23 33	23 33	20 16	10 40	6 41
T 7	22 1	13 32	3 36	22 44	0 48	17 22	3 59	22 28	0 7	0 56	1 16	16 57	1 21	14 16	0 46	22 20	1 6	18 30	16 38	23 33	23 33	20 15	10 41	6 41
W 8	21 53	9 12	4 19	22 56	0 35	17 33	3 58	22 34	0 8	0 59	1 16	16 59	1 21	14 16	0 46	22 21	1 6	18 30	16 38	23 33	23 33	20 13	10 41	6 41
T 9	21 43	4 29	4 50	23 6	0 21	17 43	3 56	22 40	0 8	1 2	1 16	17 0	1 22	14 17	0 46	22 21	1 6	18 31	16 38	23 33	23 33	20 11	10 42	6 41
F 10	21 34	0n28	5 9	23 14	0 8	17 53	3 54	22 45	0 9	1 5	1 16	17 1	1 22	14 18	0 46	22 21	1 6	18 31	16 39	23 33	23 33	20 9	10 42	6 42
S 11	21 24	5 29	5 14	23 20	0n 4	18 4	3 51	22 51	0 10	1 8	1 15	17 3	1 22	14 18	0 46	22 21	1 6	18 32	16 39	23 33	23 33	20 7	10 43	6 42
S 12	21 14	10 23	5 4	23 24	0 16	18 14	3 49	22 56	0 10	1 11	1 15	17 4	1 22	14 19	0 46	22 21	1 6	18 32	16 39	23 33	23 33	20 6	10 44	6 42
M13	21 3	14 56	4 38	23 26	0 27	18 24	3 47	23 1	0 11	1 15	1 15	17 5	1 22	14 20	0 46	22 21	1 6	18 33	16 40	23 33	23 33	20 4	10 45	6 42
T 14	20 52	18 54	3 56	23 25	0 38	18 34	3 44	23 6	0 12	1 18	1 15	17 7	1 22	14 20	0 46	22 21	1 6	18 33	16 40	23 33	23 33	20 2	10 45	6 42
W15	20 41	21 56	3 0	23 21	0 48	18 43	3 42	23 10	0 13	1 21	1 15	17 8	1 22	14 21	0 46	22 21	1 6	18 34	16 40	23 33	23 33	20 0	10 46	6 42
T 16	20 29	23 43	1 51	23 15	0 57	18 53	3 39	23 15	0 13	1 25	1 14	17 10	1 23	14 22	0 46	22 21	1 6	18 34	16 41	23 33	23 33	19 58	10 47	6 42
F 17	20 17	23 57	0 33	23 6	1 6	19 2	3 36	23 19	0 14	1 28	1 14	17 11	1 23	14 23	0 46	22 21	1 6	18 35	16 41	23 33	23 33	19 57	10 48	6 42
S 18	20 5	22 29	0s48	22 55	1 13	19 11	3 33	23 23	0 15	1 32	1 14	17 12	1 23	14 23	0 46	22 21	1 7	18 35	16 41	23 33	23 33	19 55	10 48	6 42
S 19	19 52	19 24	2 7	22 41	1 20	19 20	3 30	23 27	0 16	1 35	1 14	17 14	1 23	14 24	0 46	22 21	1 7	18 36	16 41	23 33	23 33	19 53	10 49	6 42
M20	19 39	14 59	3 18	22 24	1 26	19 29	3 27	23 31	0 16	1 39	1 13	17 15	1 23	14 25	0 46	22 21	1 7	18 37	16 42	23 33	23 33	19 51	10 50	6 42
T 21	19 26	9 39	4 14	22 4	1 32	19 38	3 24	23 34	0 17	1 43	1 13	17 17	1 23	14 26	0 46	22 21	1 7	18 37	16 42	23 33	23 33	19 49	10 51	6 42
W22	19 12	3 51	4 52	21 42	1 36	19 46	3 21	23 37	0 18	1 46	1 13	17 18	1 23	14 26	0 47	22 21	1 7	18 38	16 42	23 33	23 32	19 47	10 51	6 42
T 23	18 58	2s 0	5 10	21 18	1 40	19 54	3 17	23 40	0 19	1 50	1 13	17 19	1 23	14 27	0 47	22 22	1 7	18 38	16 43	23 33	23 32	19 46	10 52	6 43
F 24	18 44	7 33	5 9	20 52	1 42	20 1	3 14	23 43	0 20	1 54	1 13	17 21	1 23	14 28	0 47	22 22	1 7	18 39	16 43	23 33	23 32	19 44	10 53	6 43
S 25	18 29	12 34	4 50	20 23	1 44	20 9	3 10	23 46	0 20	1 58	1 12	17 22	1 24	14 29	0 47	22 22	1 7	18 39	16 43	23 33	23 32	19 42	10 54	6 43
S 26	18 14	16 50	4 17	19 53	1 46	20 16	3 7	23 48	0 21	2 1	1 12	17 24	1 24	14 29	0 47	22 22	1 7	18 40	16 43	23 33	23 32	19 40	10 55	6 43
M27	17 59	20 12	3 32	19 21	1 46	20 22	3 3	23 50	0 22	2 5	1 12	17 25	1 24	14 30	0 47	22 22	1 7	18 41	16 44	23 33	23 32	19 38	10 56	6 43
T 28	17 43	22 33	2 38	18 47	1 46	20 28	2 59	23 52	0 23	2 9	1 12	17 27	1 24	14 31	0 47	22 22	1 7	18 41	16 44	23 33	23 32	19 36	10 57	6 43
W29	17 28	23 48	1 38	18 12	1 46	20 34	2 55	23 54	0 23	2 13	1 12	17 28	1 24	14 32	0 47	22 22	1 7	18 42	16 44	23 33	23 32	19 34	10 57	6 42
T 30	17 11	23 57	0 35	17 36	1 44	20 40	2 52	23 56	0 24	2 17	1 12	17 30	1 24	14 32	0 47	22 22	1 7	18 42	16 45	23 33	23 32	19 33	10 58	6 42
F 31	16n55	23s 0	0n29	16n58	1n42	20n45	2s48	23n58	0n25	2s21	1n11	17s31	1s24	14s33	0s47	22n22	1s 7	18s43	16s45	23s33	23s32	19s31	10s59	6n42

Julian Day Number = 2115709.5, Delta T = 18m48s
Ecliptic obliquity = 23°33'30, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°55'20, Lahiri = 11°02'21 Julian Calendar 1 July 1080 == Greg. Calendar 7 July 1080

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1080
geocentric

AUGUST 1080 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 2 44	14♌14'19	16♉21	20♌26	28♊56	28♊35	8♎49	15°R43	23°R15	25♊22	21°R28	29°R10	27♐20	22♉36	11°R22	S 1
S 2	21 6 41	15°12'07	28°10	22°20	29°57	29°14	8°59	15♒39	23♒13	25°24	21♓27	29♐ 7	27°17	22°43	11♒19	S 2
M 3	21 10 38	16° 9'56	10♒ 2	24°12	1♋ 0	29°52	9° 9	15°34	23°11	25°25	21°26	29° 1	27°14	22°50	11°16	M 3
T 4	21 14 34	17° 7'46	22° 1	26° 3	2° 2	0♋31	9°19	15°30	23° 8	25°27	21°25	28°53	27°11	22°56	11°13	T 4
W 5	21 18 31	18° 5'38	4♓ 7	27°52	3° 5	1° 9	9°29	15°25	23° 6	25°28	21°24	28°45	27° 7	23° 3	11°10	W 5
T 6	21 22 27	19° 3'31	16°21	29°40	4° 8	1°48	9°39	15°21	23° 3	25°30	21°23	28°35	27° 4	23°10	11° 7	T 6
F 7	21 26 24	20° 1'27	28°46	1♍27	5°11	2°26	9°50	15°16	23° 1	25°31	21°22	28°27	27° 1	23°16	11° 4	F 7
S 8	21 30 20	20°59'23	11♈22	3°12	6°15	3° 4	10° 0	15°12	22°59	25°33	21°21	28°19	26°58	23°23	11° 1	S 8
S 9	21 34 17	21°57'22	24°11	4°56	7°19	3°43	10°11	15° 7	22°56	25°34	21°20	28°13	26°55	23°30	10°57	S 9
M10	21 38 13	22°55'23	7♉14	6°39	8°23	4°21	10°21	15° 3	22°54	25°35	21°19	28°10	26°52	23°36	10°54	M10
T 11	21 42 10	23°53'26	20°35	8°21	9°27	4°59	10°32	14°58	22°51	25°37	21°18	28°D 9	26°48	23°43	10°51	T 11
W12	21 46 7	24°51'31	4♊15	10° 1	10°32	5°37	10°43	14°54	22°49	25°38	21°17	28° 9	26°45	23°50	10°48	W12
T 13	21 50 3	25°49'38	18°15	11°40	11°37	6°15	10°54	14°49	22°47	25°40	21°16	28°10	26°42	23°56	10°45	T 13
F 14	21 54 0	26°47'47	2♋36	13°18	12°42	6°53	11° 5	14°45	22°44	25°41	21°15	28°R10	26°39	24° 3	10°42	F 14
S 15	21 57 56	27°45'58	17°16	14°55	13°47	7°30	11°16	14°40	22°42	25°42	21°14	28° 9	26°36	24°10	10°39	S 15
S 16	22 1 53	28°44'11	2♌ 9	16°30	14°53	8° 8	11°27	14°36	22°39	25°43	21°13	28° 5	26°32	24°16	10°36	S 16
M17	22 5 49	29°42'26	17°10	18° 4	15°59	8°46	11°38	14°32	22°37	25°44	21°12	27°59	26°29	24°23	10°34	M17
T 18	22 9 46	0♍40'42	2♍ 9	19°37	17° 5	9°23	11°49	14°28	22°35	25°46	21°11	27°50	26°26	24°30	10°31	T 18
W19	22 13 42	1°39'01	16°57	21° 9	18°11	10° 1	12° 1	14°23	22°32	25°47	21° 9	27°41	26°23	24°36	10°28	W19
T 20	22 17 39	2°37'21	1♎26	22°40	19°17	10°38	12°12	14°19	22°30	25°48	21° 8	27°31	26°20	24°43	10°25	T 20
F 21	22 21 36	3°35'43	15°30	24° 9	20°24	11°15	12°24	14°15	22°28	25°49	21° 7	27°22	26°17	24°49	10°22	F 21
S 22	22 25 32	4°34'07	29° 5	25°37	21°31	11°53	12°35	14°11	22°25	25°50	21° 6	27°15	26°13	24°56	10°19	S 22
S 23	22 29 29	5°32'32	12♏13	27° 4	22°38	12°30	12°47	14° 7	22°23	25°51	21° 5	27°10	26°10	25° 3	10°17	S 23
M24	22 33 25	6°30'59	24°55	28°30	23°45	13° 7	12°58	14° 3	22°21	25°52	21° 4	27° 8	26° 7	25° 9	10°14	M24
T 25	22 37 22	7°29'28	7♐16	29°55	24°52	13°44	13°10	13°59	22°18	25°53	21° 3	27°D 7	26° 4	25°16	10°11	T 25
W26	22 41 18	8°27'58	19°21	1♎18	26° 0	14°21	13°22	13°55	22°16	25°54	21° 1	27° 8	26° 1	25°23	10° 8	W26
T 27	22 45 15	9°26'30	1♉15	2°40	27° 8	14°57	13°34	13°51	22°14	25°55	21° 0	27°R 8	25°58	25°29	10° 6	T 27
F 28	22 49 11	10°25'04	13° 4	4° 1	28°15	15°34	13°45	13°47	22°12	25°56	20°59	27° 6	25°54	25°36	10° 3	F 28
S 29	22 53 8	11°23'39	24°52	5°20	29°24	16°11	13°57	13°43	22° 9	25°57	20°58	27° 3	25°51	25°43	10° 1	S 29
S 30	22 57 5	12°22'16	6♒43	6°38	0♌32	16°47	14° 9	13°40	22° 7	25°57	20°57	26°57	25°48	25°49	9°58	S 30
M31	23 1 1	13♍20'55	18♒42	7♎54	1♌40	17♋24	14♎21	13♒36	22♒ 5	25♊58	20♓56	26♐49	25♐45	25♉56	9♒56	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n38	21s 2	1n32	16n20	1n40	20n50	2s44	23n59	0n26	2s25	1n11	17s33	1s24	14s34	0s47	22n22	1s 7	18s43	16s45	23s33	23s32	19s29	11s 0	6n42
S 2	16 21	18 11	2 30	15 40	1 37	20 54	2 40	24 0	0 27	2 29	1 11	17 34	1 24	14 35	0 47	22 22	1 7	18 44	16 45	23 33	23 32	19 27	11 1	6 42
M 3	16 4	14 34	3 22	15 0	1 34	20 58	2 36	24 1	0 27	2 34	1 11	17 35	1 24	14 36	0 47	22 22	1 7	18 45	16 45	23 33	23 32	19 25	11 2	6 42
T 4	15 47	10 22	4 6	14 19	1 30	21 1	2 32	24 2	0 28	2 38	1 11	17 37	1 24	14 36	0 47	22 22	1 7	18 45	16 46	23 33	23 32	19 23	11 3	6 42
W 5	15 29	5 43	4 39	13 37	1 26	21 4	2 27	24 2	0 29	2 42	1 10	17 38	1 25	14 37	0 47	22 22	1 7	18 46	16 46	23 33	23 32	19 21	11 4	6 42
T 6	15 11	0 49	5 0	12 55	1 21	21 6	2 23	24 2	0 30	2 46	1 10	17 40	1 25	14 38	0 47	22 22	1 7	18 46	16 46	23 33	23 32	19 19	11 5	6 42
F 7	14 53	4n11	5 6	12 12	1 16	21 8	2 19	24 3	0 31	2 50	1 10	17 41	1 25	14 39	0 47	22 22	1 7	18 47	16 46	23 33	23 31	19 18	11 6	6 42
S 8	14 34	9 5	4 59	11 29	1 11	21 10	2 15	24 3	0 31	2 55	1 10	17 42	1 25	14 40	0 47	22 22	1 7	18 47	16 47	23 33	23 31	19 16	11 6	6 42
S 9	14 16	13 41	4 36	10 46	1 5	21 11	2 11	24 2	0 32	2 59	1 10	17 44	1 25	14 40	0 47	22 22	1 7	18 48	16 47	23 33	23 31	19 14	11 7	6 42
M10	13 57	17 45	3 58	10 2	1 0	21 11	2 6	24 2	0 33	3 3	1 10	17 45	1 25	14 41	0 47	22 22	1 7	18 49	16 47	23 33	23 31	19 12	11 8	6 42
T 11	13 37	21 0	3 7	9 18	0 53	21 11	2 2	24 2	0 34	3 8	1 9	17 47	1 25	14 42	0 47	22 22	1 7	18 49	16 47	23 33	23 31	19 10	11 9	6 41
W12	13 18	23 8	2 5	8 34	0 47	21 11	1 58	24 1	0 35	3 12	1 9	17 48	1 25	14 43	0 47	22 22	1 7	18 50	16 47	23 33	23 31	19 8	11 10	6 41
T 13	12 58	23 55	0 53	7 51	0 40	21 10	1 53	24 0	0 35	3 16	1 9	17 49	1 25	14 44	0 47	22 22	1 7	18 50	16 47	23 33	23 31	19 6	11 11	6 41
F 14	12 39	23 8	0s24	7 7	0 33	21 8	1 49	23 59	0 36	3 21	1 9	17 51	1 25	14 44	0 47	22 22	1 7	18 51	16 48	23 33	23 31	19 4	11 12	6 41
S 15	12 19	20 47	1 40	6 23	0 26	21 6	1 45	23 58	0 37	3 25	1 9	17 52	1 25	14 45	0 47	22 22	1 7	18 52	16 48	23 33	23 31	19 2	11 13	6 41
S 16	11 58	17 0	2 51	5 39	0 19	21 4	1 40	23 56	0 38	3 30	1 9	17 53	1 25	14 46	0 47	22 22	1 7	18 52	16 48	23 33	23 31	19 0	11 14	6 41
M17	11 38	12 6	3 51	4 55	0 12	21 0	1 36	23 55	0 39	3 34	1 9	17 55	1 25	14 47	0 47	22 22	1 7	18 53	16 48	23 33	23 31	18 58	11 15	6 40
T 18	11 17	6 30	4 34	4 12	0 4	20 57	1 32	23 53	0 39	3 39	1 8	17 56	1 25	14 47	0 47	22 22	1 7	18 53	16 48	23 32	23 31	18 57	11 16	6 40
W19	10 56	0 36	4 58	3 29	0s 3	20 52	1 27	23 51	0 40	3 43	1 8	17 57	1 25	14 48	0 47	22 22	1 7	18 54	16 48	23 32	23 31	18 55	11 17	6 40
T 20	10 35	5s12	5 3	2 46	0 11	20 48	1 23	23 49	0 41	3 48	1 8	17 59	1 25	14 49	0 47	22 22	1 7	18 54	16 49	23 32	23 30	18 53	11 18	6 40
F 21	10 14	10 34	4 49	2 3	0 19	20 42	1 19	23 46	0 42	3 53	1 8	18 0	1 25	14 50	0 47	22 22	1 7	18 55	16 49	23 32	23 30	18 51	11 19	6 40
S 22	9 53	15 13	4 18	1 20	0 27	20 36	1 14	23 44	0 43	3 57	1 8	18 1	1 25	14 51	0 47	22 22	1 7	18 56	16 49	23 32	23 30	18 49	11 20	6 39
S 23	9 31	18 59	3 35	0 38	0 35	20 30	1 10	23 41	0 44	4 2	1 8	18 2	1 25	14 51	0 47	22 22	1 7	18 56	16 49	23 32	23 30	18 47	11 21	6 39
M24	9 10	21 43	2 43	0s 3	0 43	20 23	1 6	23 39	0 44	4 7	1 8	18 3	1 25	14 52	0 47	22 22	1 7	18 57	16 49	23 32	23 30	18 45	11 21	6 39
T 25	8 48	23 20	1 44	0 44	0 51	20 15	1 1	23 36	0 45	4 11	1 7	18 5	1 25	14 53	0 47	22 22	1 7	18 57	16 49	23 32	23 30	18 43	11 22	6 39
W26	8 26	23 49	0 41	1 25	0 59	20 7	0 57	23 33	0 46	4 16	1 7	18 6	1 25	14 54	0 47	22 22	1 7	18 58	16 49	23 32	23 30	18 41	11 23	6 39
T 27	8 4	23 11	0n22	2 5	1 7	19 58	0 53	23 30	0 47	4 21	1 7	18 7	1 25	14 54	0 47	22 22	1 7	18 58	16 49	23 32	23 30	18 39	11 24	6 38
F 28	7 42	21 32	1 24	2 45	1 15	19 49	0 49	23 26	0 48	4 25	1 7	18 8	1 25	14 55	0 47	22 22	1 7	18 59	16 49	23 32	23 30	18 37	11 25	6 38
S 29	7 20	18 56	2 22	3 24	1 23	19 39	0 44	23 23	0 49	4 30	1 7	18 9	1 25	14 56	0 47	22 22	1 7	18 59	16 49	23 32	23 30	18 35	11 26	6 38
S 30	6 57	15 34	3 14	4 2	1 31	19 29	0 40	23 19	0 50	4 35	1 7	18 10	1 25	14 56	0 47	22 22	1 7	19 0	16 50	23 31	23 29	18 33	11 27	6 37
M31	6n35	11s32	3n57	4s40	1s39	19n18	0s36	23n15	0n50	4s40	1n 7	18s11	1s25	14s57	0s47	22n22	1s 7	19s 0	16s50	23s31	23s29	18s31	11s28	6n37

Julian Day Number = 2115740.5, Delta T = 18m47s
Ecliptic obliquity = 23°33'30, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°55'24, Lahiri = 11°02'25 Julian Calendar 1 Aug. 1080 == Greg. Calendar 7 Aug. 1080

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1080
geocentric

SEPTEMBER 1080 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 4 58	14♍19'36	0♓49	9♎ 9	2♌49	18♋ 0	14♎34	13°R32	22°R 3	25♊59	20°R54	26°R38	25♐42	26♑ 3	9°R53	T 1
W 2	23 8 54	15°18'19	13° 8	10°23	3°58	18°37	14°46	13♒29	22♒ 1	26° 0	20♓53	26♐25	25°38	26° 9	9♒51	W 2
T 3	23 12 51	16°17'04	25°37	11°34	5° 6	19°13	14°58	13°25	21°59	26° 0	20°52	26°12	25°35	26°16	9°49	T 3
F 4	23 16 47	17°15'51	8♈19	12°44	6°15	19°49	15°10	13°22	21°56	26° 1	20°51	25°59	25°32	26°23	9°46	F 4
S 5	23 20 44	18°14'40	21°12	13°52	7°25	20°25	15°22	13°19	21°54	26° 2	20°50	25°48	25°29	26°29	9°44	S 5
S 6	23 24 40	19°13'31	4♉16	14°57	8°34	21° 1	15°35	13°15	21°52	26° 2	20°48	25°39	25°26	26°36	9°42	S 6
M 7	23 28 37	20°12'25	17°31	16° 1	9°44	21°37	15°47	13°12	21°50	26° 3	20°47	25°33	25°23	26°43	9°40	M 7
T 8	23 32 33	21°11'21	0♊58	17° 2	10°53	22°13	16° 0	13° 9	21°48	26° 3	20°46	25°30	25°19	26°49	9°38	T 8
W 9	23 36 30	22°10'19	14°38	18° 1	12° 3	22°48	16°12	13° 6	21°46	26° 4	20°45	25°29	25°16	26°56	9°36	W 9
T 10	23 40 27	23° 9'20	28°32	18°57	13°13	23°24	16°25	13° 3	21°44	26° 4	20°44	25°29	25°13	27° 3	9°34	T 10
F 11	23 44 23	24° 8'23	12♋39	19°50	14°23	24° 0	16°37	13° 0	21°42	26° 5	20°43	25°29	25°10	27° 9	9°32	F 11
S 12	23 48 20	25° 7'29	27° 0	20°40	15°33	24°35	16°50	12°58	21°41	26° 5	20°41	25°26	25° 7	27°16	9°30	S 12
S 13	23 52 16	26° 6'36	11♌31	21°26	16°44	25°10	17° 2	12°55	21°39	26° 5	20°40	25°22	25° 3	27°23	9°28	S 13
M14	23 56 13	27° 5'47	26° 9	22° 9	17°54	25°46	17°15	12°52	21°37	26° 6	20°39	25°14	25° 0	27°29	9°26	M14
T 15	0 0 9	28° 4'59	10♍48	22°47	19° 5	26°21	17°28	12°50	21°35	26° 6	20°38	25° 4	24°57	27°36	9°25	T 15
W16	0 4 6	29° 4'13	25°19	23°21	20°15	26°56	17°40	12°47	21°33	26° 6	20°37	24°52	24°54	27°43	9°23	W16
T 17	0 8 2	0♎ 3'30	9♎36	23°50	21°26	27°31	17°53	12°45	21°32	26° 6	20°35	24°40	24°51	27°49	9°21	T 17
F 18	0 11 59	1° 2'48	23°33	24°14	22°37	28° 5	18° 6	12°43	21°30	26° 7	20°34	24°29	24°48	27°56	9°20	F 18
S 19	0 15 56	2° 2'09	7♏ 5	24°32	23°48	28°40	18°19	12°41	21°28	26° 7	20°33	24°20	24°44	28° 3	9°18	S 19
S 20	0 19 52	3° 1'32	20°13	24°43	24°59	29°15	18°32	12°38	21°27	26° 7	20°32	24°13	24°41	28° 9	9°17	S 20
M21	0 23 49	4° 0'56	2♐56	24°R48	26°11	29°49	18°45	12°36	21°25	26° 7	20°31	24° 9	24°38	28°16	9°15	M21
T 22	0 27 45	5° 0'23	15°19	24°45	27°22	0♌24	18°57	12°35	21°24	26° 7	20°30	24° 8	24°35	28°23	9°14	T 22
W23	0 31 42	5°59'51	27°25	24°35	28°34	0°58	19°10	12°33	21°22	26°R 7	20°28	24°D 8	24°32	28°29	9°13	W23
T 24	0 35 38	6°59'21	9♑20	24°16	29°45	1°32	19°23	12°31	21°21	26° 7	20°27	24°R 8	24°29	28°36	9°11	T 24
F 25	0 39 35	7°58'53	21° 9	23°49	0♍57	2° 6	19°36	12°29	21°19	26° 7	20°26	24° 7	24°25	28°43	9°10	F 25
S 26	0 43 31	8°58'26	2♒59	23°14	2° 9	2°40	19°49	12°28	21°18	26° 7	20°25	24° 4	24°22	28°49	9° 9	S 26
S 27	0 47 28	9°58'02	14°53	22°30	3°21	3°14	20° 2	12°27	21°16	26° 7	20°24	23°59	24°19	28°56	9° 8	S 27
M28	0 51 25	10°57'39	26°56	21°38	4°33	3°48	20°15	12°25	21°15	26° 7	20°23	23°52	24°16	29° 3	9° 7	M28
T 29	0 55 21	11°57'18	9♓12	20°39	5°45	4°21	20°28	12°24	21°14	26° 6	20°22	23°42	24°13	29° 9	9° 6	T 29
W30	0 59 18	12♎56'59	21♓42	19♎33	6♍57	4♌55	20♎41	12♒23	21♒13	26♊ 6	20♓21	23♐30	24♐ 9	29♑16	9♒ 5	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n12	7s 1	4n31	5s17	1s47	19n 7	0s32	23n11	0n51	4s45	1n 7	18s12	1s25	14s58	0s47	22n22	1s 7	19s 1	16s50	23s31	23s29	18s29	11s29	6n37
W 2	5 49	2 10	4 52	5 53	1 55	18 55	0 28	23 7	0 52	4 49	1 7	18 13	1 25	14 58	0 47	22 22	1 8	19 1	16 50	23 31	23 29	18 27	11 30	6 37
T 3	5 26	2n51	5 0	6 29	2 3	18 42	0 24	23 3	0 53	4 54	1 6	18 14	1 25	14 59	0 47	22 22	1 8	19 2	16 50	23 30	23 29	18 25	11 31	6 36
F 4	5 3	7 48	4 54	7 3	2 10	18 29	0 20	22 59	0 54	4 59	1 6	18 15	1 25	15 0	0 47	22 22	1 8	19 2	16 50	23 30	23 29	18 23	11 31	6 36
S 5	4 40	12 30	4 32	7 36	2 18	18 15	0 16	22 54	0 55	5 4	1 6	18 16	1 25	15 1	0 46	22 22	1 8	19 3	16 50	23 29	23 29	18 21	11 32	6 36
S 6	4 17	16 42	3 56	8 9	2 25	18 1	0 12	22 49	0 56	5 9	1 6	18 17	1 25	15 1	0 46	22 22	1 8	19 3	16 50	23 29	23 29	18 19	11 33	6 35
M 7	3 54	20 7	3 6	8 40	2 32	17 47	0 8	22 45	0 57	5 14	1 6	18 18	1 25	15 2	0 46	22 22	1 8	19 4	16 50	23 29	23 29	18 17	11 34	6 35
T 8	3 31	22 30	2 6	9 10	2 39	17 32	0 4	22 40	0 57	5 19	1 6	18 19	1 25	15 2	0 46	22 22	1 8	19 4	16 50	23 29	23 29	18 15	11 35	6 35
W 9	3 7	23 37	0 57	9 39	2 46	17 16	0 0	22 35	0 58	5 23	1 6	18 20	1 25	15 3	0 46	22 22	1 8	19 5	16 50	23 29	23 28	18 13	11 36	6 34
T 10	2 44	23 17	0s16	10 6	2 52	17 0	0n 4	22 29	0 59	5 28	1 6	18 21	1 25	15 4	0 46	22 22	1 8	19 5	16 50	23 29	23 28	18 11	11 37	6 34
F 11	2 20	21 28	1 29	10 32	2 58	16 43	0 7	22 24	1 0	5 33	1 6	18 21	1 25	15 4	0 46	22 22	1 8	19 6	16 50	23 29	23 28	18 9	11 37	6 34
S 12	1 57	18 16	2 38	10 56	3 3	16 26	0 11	22 19	1 1	5 38	1 6	18 22	1 25	15 5	0 46	22 22	1 8	19 6	16 50	23 29	23 28	18 7	11 38	6 33
S 13	1 33	13 56	3 38	11 19	3 9	16 8	0 15	22 13	1 2	5 43	1 5	18 23	1 25	15 5	0 46	22 22	1 8	19 7	16 50	23 29	23 28	18 5	11 39	6 33
M14	1 10	8 44	4 23	11 39	3 13	15 50	0 18	22 8	1 3	5 48	1 5	18 24	1 25	15 6	0 46	22 22	1 8	19 7	16 50	23 28	23 28	18 3	11 40	6 33
T 15	0 46	3 4	4 51	11 58	3 18	15 31	0 22	22 2	1 4	5 53	1 5	18 24	1 25	15 7	0 46	22 22	1 8	19 8	16 50	23 28	23 28	18 1	11 41	6 32
W16	0 22	2s43	5 0	12 14	3 21	15 12	0 25	21 56	1 5	5 58	1 5	18 25	1 25	15 7	0 46	22 22	1 8	19 8	16 50	23 28	23 28	17 59	11 41	6 32
T 17	0s 1	8 16	4 50	12 27	3 24	14 53	0 29	21 50	1 6	6 3	1 5	18 26	1 25	15 8	0 46	22 22	1 8	19 9	16 50	23 27	23 27	17 57	11 42	6 32
F 18	0 25	13 15	4 23	12 38	3 26	14 33	0 32	21 44	1 7	6 8	1 5	18 26	1 25	15 8	0 46	22 22	1 8	19 9	16 50	23 27	23 27	17 55	11 43	6 31
S 19	0 49	17 26	3 42	12 46	3 27	14 12	0 35	21 38	1 7	6 13	1 5	18 27	1 25	15 9	0 46	22 22	1 8	19 9	16 50	23 26	23 27	17 53	11 44	6 31
S 20	1 13	20 36	2 49	12 50	3 27	13 52	0 38	21 31	1 8	6 18	1 5	18 27	1 25	15 9	0 46	22 22	1 8	19 10	16 49	23 26	23 27	17 51	11 45	6 30
M21	1 36	22 39	1 50	12 51	3 27	13 30	0 42	21 25	1 9	6 23	1 5	18 28	1 25	15 10	0 46	22 22	1 8	19 10	16 49	23 26	23 27	17 49	11 45	6 30
T 22	2 0	23 31	0 47	12 48	3 24	13 9	0 45	21 19	1 10	6 28	1 5	18 28	1 25	15 10	0 46	22 22	1 8	19 11	16 49	23 26	23 27	17 47	11 46	6 30
W23	2 24	23 15	0n17	12 41	3 21	12 47	0 48	21 12	1 11	6 33	1 5	18 29	1 25	15 11	0 46	22 22	1 8	19 11	16 49	23 26	23 27	17 45	11 47	6 29
T 24	2 47	21 54	1 20	12 29	3 16	12 24	0 51	21 5	1 12	6 38	1 5	18 29	1 25	15 11	0 46	22 22	1 8	19 11	16 49	23 26	23 27	17 43	11 47	6 29
F 25	3 11	19 36	2 18	12 13	3 10	12 1	0 54	20 59	1 13	6 43	1 5	18 30	1 25	15 12	0 46	22 22	1 8	19 12	16 49	23 26	23 26	17 41	11 48	6 28
S 26	3 34	16 30	3 11	11 52	3 1	11 38	0 56	20 52	1 14	6 48	1 5	18 30	1 25	15 12	0 46	22 22	1 8	19 12	16 49	23 25	23 26	17 39	11 49	6 28
S 27	3 58	12 42	3 55	11 27	2 51	11 15	0 59	20 45	1 15	6 53	1 4	18 30	1 25	15 12	0 46	22 22	1 8	19 12	16 49	23 25	23 26	17 36	11 49	6 28
M28	4 21	8 22	4 30	10 56	2 39	10 51	1 2	20 38	1 16	6 58	1 4	18 31	1 25	15 13	0 46	22 22	1 8	19 13	16 49	23 25	23 26	17 34	11 50	6 27
T 29	4 45	3 39	4 52	10 21	2 26	10 27	1 4	20 31	1 17	7 3	1 4	18 31	1 24	15 13	0 46	22 22	1 8	19 13	16 49	23 24	23 26	17 32	11 51	6 27
W30	5s 8	1n18	5n 2	9s41	2s10	10n 2	1n 7	20n24	1n18	7s 8	1n 4	18s31	1s24	15s13	0s46	22n22	1s 8	19s13	16s48	23s24	23s26	17s30	11s51	6n26

Julian Day Number = 2115771.5, Delta T = 18m47s
Ecliptic obliquity = 23°33'30, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°55'29, Lahiri = 11°02'29 Julian Calendar 1 Sept. 1080 == Greg. Calendar 7 Sept. 1080

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1080
geocentric

OCTOBER 1080 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 3 14	13♎56'41	4♈27	18°R22	8♍ 9	5♌28	20♎55	12°R22	21°R11	26°R 6	20°R20	23°R18	24♐ 6	29♑23	9°R 5	T 1
F 2	1 7 11	14°56'26	17°28	17♎ 8	9°22	6° 1	21° 8	12♒21	21♒10	26♊ 6	20♓18	23♐ 6	24° 3	29°29	9♒ 4	F 2
S 3	1 11 7	15°56'13	0♉43	15°52	10°34	6°34	21°21	12°20	21° 9	26° 5	20°17	22°55	24° 0	29°36	9° 3	S 3
S 4	1 15 4	16°56'02	14°10	14°38	11°47	7° 7	21°34	12°19	21° 8	26° 5	20°16	22°47	23°57	29°43	9° 3	S 4
M 5	1 19 0	17°55'53	27°47	13°26	12°59	7°40	21°47	12°19	21° 7	26° 5	20°15	22°42	23°54	29°49	9° 2	M 5
T 6	1 22 57	18°55'47	11♊32	12°20	14°12	8°13	22° 0	12°18	21° 6	26° 4	20°14	22°39	23°50	29°56	9° 2	T 6
W 7	1 26 53	19°55'42	25°25	11°22	15°25	8°46	22°13	12°18	21° 5	26° 4	20°13	22°D39	23°47	0♒ 3	9° 1	W 7
T 8	1 30 50	20°55'40	9♋23	10°32	16°38	9°18	22°26	12°18	21° 5	26° 3	20°12	22°40	23°44	0°10	9° 1	T 8
F 9	1 34 47	21°55'41	23°27	9°53	17°51	9°50	22°40	12°17	21° 4	26° 3	20°11	22°R40	23°41	0°16	9° 1	F 9
S 10	1 38 43	22°55'43	7♌36	9°25	19° 4	10°22	22°53	12°D17	21° 3	26° 2	20°10	22°39	23°38	0°23	9° 1	S 10
S 11	1 42 40	23°55'47	21°49	9° 9	20°17	10°55	23° 6	12°17	21° 2	26° 2	20° 9	22°36	23°35	0°30	9° 0	S 11
M12	1 46 36	24°55'54	6♍ 2	9°D 4	21°31	11°26	23°19	12°17	21° 2	26° 1	20° 8	22°30	23°31	0°36	9° 0	M12
T 13	1 50 33	25°56'03	20°14	9°10	22°44	11°58	23°32	12°18	21° 1	26° 0	20° 7	22°23	23°28	0°43	9°D 0	T 13
W14	1 54 29	26°56'14	4♎18	9°27	23°57	12°30	23°45	12°18	21° 0	26° 0	20° 7	22°13	23°25	0°50	9° 0	W14
T 15	1 58 26	27°56'27	18°11	9°54	25°11	13° 1	23°59	12°18	21° 0	25°59	20° 6	22° 4	23°22	0°56	9° 1	T 15
F 16	2 2 22	28°56'41	1♏48	10°30	26°24	13°32	24°12	12°19	20°59	25°58	20° 5	21°55	23°19	1° 3	9° 1	F 16
S 17	2 6 19	29°56'58	15° 7	11°15	27°38	14° 4	24°25	12°20	20°59	25°57	20° 4	21°48	23°15	1°10	9° 1	S 17
S 18	2 10 16	0♏57'16	28° 6	12° 7	28°51	14°35	24°38	12°20	20°59	25°57	20° 3	21°43	23°12	1°16	9° 1	S 18
M19	2 14 12	1°57'36	10♐45	13° 5	0♎ 5	15° 5	24°51	12°21	20°58	25°56	20° 2	21°40	23° 9	1°23	9° 2	M19
T 20	2 18 9	2°57'58	23° 6	14° 9	1°19	15°36	25° 4	12°22	20°58	25°55	20° 1	21°D39	23° 6	1°30	9° 2	T 20
W21	2 22 5	3°58'21	5♑13	15°18	2°33	16° 6	25°17	12°23	20°58	25°54	20° 0	21°40	23° 3	1°36	9° 3	W21
T 22	2 26 2	4°58'46	17° 8	16°32	3°47	16°37	25°30	12°24	20°58	25°53	20° 0	21°41	23° 0	1°43	9° 3	T 22
F 23	2 29 58	5°59'12	28°59	17°49	5° 0	17° 7	25°43	12°26	20°57	25°52	19°59	21°43	22°56	1°50	9° 4	F 23
S 24	2 33 55	6°59'39	10♒48	19° 9	6°14	17°37	25°57	12°27	20°57	25°51	19°58	21°R43	22°53	1°56	9° 5	S 24
S 25	2 37 51	8° 0'08	22°43	20°32	7°28	18° 6	26°10	12°28	20°D57	25°50	19°57	21°41	22°50	2° 3	9° 6	S 25
M26	2 41 48	9° 0'38	4♓48	21°57	8°42	18°36	26°23	12°30	20°57	25°49	19°57	21°38	22°47	2°10	9° 6	M26
T 27	2 45 45	10° 1'10	17° 6	23°23	9°57	19° 5	26°36	12°32	20°58	25°48	19°56	21°33	22°44	2°16	9° 7	T 27
W28	2 49 41	11° 1'42	29°42	24°52	11°11	19°34	26°49	12°33	20°58	25°47	19°55	21°27	22°40	2°23	9° 8	W28
T 29	2 53 38	12° 2'17	12♈38	26°21	12°25	20° 3	27° 1	12°35	20°58	25°46	19°55	21°20	22°37	2°30	9° 9	T 29
F 30	2 57 34	13° 2'52	25°54	27°52	13°39	20°32	27°14	12°37	20°58	25°45	19°54	21°13	22°34	2°36	9°10	F 30
S 31	3 1 31	14♏ 3'29	9♉29	29♎23	14♎54	21♌ 1	27♎27	12♒39	20♒58	25♊44	19♓53	21♐ 7	22♐31	2♒43	9♒12	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s32	6n18	4n56	8s58	1s53	9n37	1n 9	20n16	1n19	7s13	1n 4	18s31	1s24	15s14	0s46	22n22	1s 8	19s14	16s48	23s23	23s26	17s28	11s52	6n26
F 2	5 55	11 7	4 35	8 13	1 34	9 12	1 12	20 9	1 20	7 18	1 4	18 32	1 24	15 14	0 46	22 22	1 8	19 14	16 48	23 23	23 25	17 26	11 52	6 26
S 3	6 18	15 31	4 0	7 25	1 15	8 47	1 14	20 2	1 21	7 22	1 4	18 32	1 24	15 14	0 46	22 22	1 8	19 14	16 48	23 22	23 25	17 24	11 53	6 25
S 4	6 41	19 11	3 10	6 37	0 54	8 21	1 16	19 54	1 22	7 27	1 4	18 32	1 24	15 15	0 46	22 22	1 8	19 14	16 48	23 22	23 25	17 22	11 54	6 25
M 5	7 4	21 51	2 8	5 51	0 33	7 55	1 18	19 47	1 23	7 32	1 4	18 32	1 24	15 15	0 46	22 22	1 8	19 15	16 48	23 21	23 25	17 20	11 54	6 24
T 6	7 27	23 15	0 59	5 6	0 13	7 29	1 20	19 39	1 24	7 37	1 4	18 32	1 24	15 15	0 46	22 22	1 8	19 15	16 48	23 21	23 25	17 18	11 55	6 24
W 7	7 50	23 14	0s15	4 24	0n 7	7 2	1 22	19 32	1 25	7 42	1 4	18 32	1 24	15 16	0 46	22 21	1 9	19 15	16 47	23 21	23 25	17 16	11 55	6 23
T 8	8 12	21 45	1 28	3 47	0 26	6 35	1 24	19 24	1 26	7 47	1 4	18 32	1 24	15 16	0 46	22 21	1 9	19 16	16 47	23 21	23 25	17 14	11 56	6 23
F 9	8 35	18 56	2 37	3 16	0 44	6 8	1 26	19 16	1 27	7 52	1 4	18 32	1 24	15 16	0 46	22 21	1 9	19 16	16 47	23 21	23 24	17 11	11 56	6 23
S 10	8 57	14 58	3 36	2 49	1 1	5 41	1 27	19 9	1 28	7 57	1 4	18 32	1 24	15 16	0 46	22 21	1 9	19 16	16 47	23 21	23 24	17 9	11 57	6 22
S 11	9 20	10 10	4 23	2 29	1 15	5 14	1 29	19 1	1 29	8 2	1 4	18 32	1 24	15 16	0 46	22 21	1 9	19 16	16 47	23 21	23 24	17 7	11 57	6 22
M12	9 42	4 48	4 53	2 16	1 28	4 46	1 31	18 53	1 30	8 7	1 4	18 32	1 24	15 17	0 46	22 21	1 9	19 16	16 46	23 21	23 24	17 5	11 58	6 21
T 13	10 4	0s47	5 5	2 8	1 40	4 18	1 32	18 45	1 32	8 12	1 4	18 32	1 24	15 17	0 45	22 21	1 9	19 17	16 46	23 20	23 24	17 3	11 58	6 21
W14	10 26	6 17	4 59	2 6	1 49	3 51	1 33	18 37	1 33	8 17	1 4	18 32	1 23	15 17	0 45	22 21	1 9	19 17	16 46	23 20	23 24	17 1	11 58	6 20
T 15	10 48	11 23	4 34	2 9	1 57	3 22	1 35	18 29	1 34	8 22	1 4	18 32	1 23	15 17	0 45	22 21	1 9	19 17	16 46	23 19	23 23	16 59	11 59	6 20
F 16	11 9	15 50	3 55	2 17	2 3	2 54	1 36	18 21	1 35	8 26	1 4	18 31	1 23	15 17	0 45	22 21	1 9	19 17	16 46	23 19	23 23	16 57	11 59	6 20
S 17	11 31	19 22	3 4	2 31	2 8	2 26	1 37	18 13	1 36	8 31	1 4	18 31	1 23	15 17	0 45	22 21	1 9	19 17	16 45	23 18	23 23	16 55	11 59	6 19
S 18	11 52	21 50	2 3	2 48	2 11	1 57	1 38	18 5	1 37	8 36	1 4	18 31	1 23	15 17	0 45	22 21	1 9	19 17	16 45	23 18	23 23	16 52	12 0	6 19
M19	12 13	23 8	0 59	3 9	2 14	1 29	1 39	17 57	1 38	8 41	1 4	18 31	1 23	15 18	0 45	22 21	1 9	19 17	16 45	23 18	23 23	16 50	12 0	6 18
T 20	12 34	23 15	0n 8	3 33	2 15	1 0	1 40	17 49	1 39	8 46	1 4	18 30	1 23	15 18	0 45	22 21	1 9	19 18	16 45	23 18	23 23	16 48	12 0	6 18
W21	12 54	22 15	1 13	3 59	2 15	0 31	1 41	17 41	1 40	8 51	1 4	18 30	1 23	15 18	0 45	22 21	1 9	19 18	16 44	23 18	23 22	16 46	12 1	6 17
T 22	13 15	20 15	2 13	4 28	2 14	0 3	1 41	17 33	1 42	8 55	1 4	18 29	1 23	15 18	0 45	22 21	1 9	19 18	16 44	23 18	23 22	16 44	12 1	6 17
F 23	13 35	17 24	3 8	5 0	2 12	0s26	1 42	17 25	1 43	9 0	1 4	18 29	1 23	15 18	0 45	22 21	1 9	19 18	16 44	23 18	23 22	16 42	12 1	6 16
S 24	13 55	13 51	3 55	5 32	2 9	0 55	1 43	17 17	1 44	9 5	1 4	18 29	1 23	15 18	0 45	22 21	1 9	19 18	16 44	23 18	23 22	16 40	12 1	6 16
S 25	14 15	9 44	4 31	6 7	2 6	1 24	1 43	17 9	1 45	9 10	1 4	18 28	1 23	15 18	0 45	22 21	1 9	19 18	16 43	23 18	23 22	16 38	12 2	6 16
M26	14 34	5 12	4 57	6 42	2 2	1 53	1 43	17 1	1 46	9 14	1 4	18 28	1 23	15 18	0 45	22 21	1 9	19 18	16 43	23 18	23 22	16 35	12 2	6 15
T 27	14 54	0 23	5 9	7 18	1 58	2 22	1 44	16 52	1 47	9 19	1 4	18 27	1 23	15 17	0 45	22 21	1 9	19 18	16 43	23 17	23 21	16 33	12 2	6 15
W28	15 13	4n34	5 7	7 55	1 53	2 51	1 44	16 44	1 49	9 24	1 4	18 26	1 22	15 17	0 45	22 20	1 9	19 18	16 42	23 17	23 21	16 31	12 2	6 14
T 29	15 31	9 27	4 49	8 32	1 48	3 20	1 44	16 36	1 50	9 28	1 4	18 26	1 22	15 17	0 45	22 20	1 9	19 18	16 42	23 16	23 21	16 29	12 2	6 14
F 30	15 50	14 1	4 15	9 10	1 43	3 49	1 44	16 28	1 51	9 33	1 4	18 25	1 22	15 17	0 45	22 20	1 9	19 18	16 42	23 16	23 21	16 27	12 3	6 13
S 31	16s 8	17n59	3n27	9s48	1n37	4s18	1n44	16n20	1n52	9s38	1n 4	18s25	1s22	15s17	0s45	22n20	1s 9	19s18	16s42	23s16	23s21	16s25	12s 3	6n13

Julian Day Number = 2115801.5, Delta T = 18m47s
Ecliptic obliquity = 23°33'30, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°55'33, Lahiri = 11°02'33 Julian Calendar 1 Oct. 1080 == Greg. Calendar 7 Oct. 1080

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1080
geocentric

NOVEMBER 1080 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 5 27	15♏ 4'08	23♉20	0♏55	16♎ 8	21♌29	27♎40	12♒41	20♒59	25°R42	19°R53	21°R 2	22♐28	2♒50	9♒13	S 1
M 2	3 9 24	16° 4'48	7♊24	2°28	17°22	21°57	27°53	12°44	20°59	25♊41	19♓52	21♐ 0	22°25	2°56	9°14	M 2
T 3	3 13 20	17° 5'30	21°36	4° 1	18°37	22°25	28° 6	12°46	21° 0	25°40	19°52	20°D59	22°21	3° 3	9°16	T 3
W 4	3 17 17	18° 6'13	5♋53	5°34	19°51	22°53	28°19	12°49	21° 0	25°39	19°51	21° 0	22°18	3°10	9°17	W 4
T 5	3 21 14	19° 6'58	20°11	7° 8	21° 6	23°20	28°31	12°51	21° 1	25°37	19°51	21° 1	22°15	3°16	9°19	T 5
F 6	3 25 10	20° 7'44	4♌26	8°42	22°20	23°48	28°44	12°54	21° 1	25°36	19°50	21° 3	22°12	3°23	9°20	F 6
S 7	3 29 7	21° 8'32	18°37	10°16	23°35	24°15	28°57	12°57	21° 2	25°35	19°50	21°R 4	22° 9	3°30	9°22	S 7
S 8	3 33 3	22° 9'22	2♍42	11°50	24°50	24°42	29°10	12°59	21° 3	25°33	19°49	21° 3	22° 6	3°36	9°23	S 8
M 9	3 37 0	23°10'13	16°38	13°24	26° 4	25° 8	29°22	13° 2	21° 3	25°32	19°49	21° 1	22° 2	3°43	9°25	M 9
T 10	3 40 56	24°11'05	0♎26	14°58	27°19	25°34	29°35	13° 5	21° 4	25°31	19°48	20°58	21°59	3°50	9°27	T 10
W11	3 44 53	25°11'59	14° 3	16°32	28°34	26° 1	29°47	13° 9	21° 5	25°29	19°48	20°55	21°56	3°57	9°29	W11
T 12	3 48 49	26°12'55	27°28	18° 6	29°48	26°26	29°59	13°12	21° 6	25°28	19°47	20°50	21°53	4° 3	9°31	T 12
F 13	3 52 46	27°13'51	10♏40	19°40	1♏ 3	26°52	0♏12	13°15	21° 7	25°26	19°47	20°47	21°50	4°10	9°33	F 13
S 14	3 56 43	28°14'49	23°37	21°14	2°18	27°17	0°25	13°19	21° 8	25°25	19°47	20°44	21°46	4°17	9°35	S 14
S 15	4 0 39	29°15'48	6♐20	22°48	3°33	27°42	0°37	13°22	21° 9	25°23	19°46	20°42	21°43	4°23	9°37	S 15
M16	4 4 36	0♐16'48	18°48	24°22	4°48	28° 7	0°49	13°26	21°10	25°22	19°46	20°D41	21°40	4°30	9°39	M16
T 17	4 8 32	1°17'49	1♑ 2	25°56	6° 3	28°31	1° 2	13°29	21°11	25°20	19°46	20°41	21°37	4°37	9°41	T 17
W18	4 12 29	2°18'50	13° 5	27°30	7°18	28°55	1°14	13°33	21°12	25°19	19°46	20°42	21°34	4°43	9°44	W18
T 19	4 16 25	3°19'53	25° 0	29° 4	8°33	29°19	1°26	13°37	21°14	25°17	19°45	20°44	21°31	4°50	9°46	T 19
F 20	4 20 22	4°20'56	6♒50	0♐38	9°47	29°43	1°38	13°41	21°15	25°16	19°45	20°46	21°27	4°57	9°48	F 20
S 21	4 24 18	5°21'59	18°40	2°12	11° 2	0♍ 6	1°50	13°45	21°16	25°14	19°45	20°47	21°24	5° 3	9°51	S 21
S 22	4 28 15	6°23'04	0♓34	3°47	12°17	0°29	2° 2	13°49	21°18	25°13	19°45	20°48	21°21	5°10	9°53	S 22
M23	4 32 12	7°24'08	12°36	5°21	13°32	0°51	2°14	13°53	21°19	25°11	19°45	20°R48	21°18	5°17	9°56	M23
T 24	4 36 8	8°25'13	24°52	6°55	14°47	1°13	2°26	13°58	21°21	25° 9	19°45	20°47	21°15	5°23	9°58	T 24
W25	4 40 5	9°26'19	7♈27	8°30	16° 3	1°35	2°38	14° 2	21°22	25° 8	19°45	20°46	21°12	5°30	10° 1	W25
T 26	4 44 1	10°27'25	20°23	10° 4	17°18	1°57	2°50	14° 6	21°24	25° 6	19°45	20°44	21° 8	5°37	10° 4	T 26
F 27	4 47 58	11°28'31	3♉43	11°39	18°33	2°18	3° 1	14°11	21°25	25° 5	19°45	20°43	21° 5	5°43	10° 6	F 27
S 28	4 51 54	12°29'38	17°27	13°14	19°48	2°39	3°13	14°16	21°27	25° 3	19°D45	20°42	21° 2	5°50	10° 9	S 28
S 29	4 55 51	13°30'45	1♊34	14°49	21° 3	2°59	3°24	14°20	21°29	25° 1	19°45	20°41	20°59	5°57	10°12	S 29
M30	4 59 47	14♐31'53	16♊ 0	16♐24	22♏18	3♍19	3♏36	14♒25	21♒31	25♊ 0	19♓45	20°D41	20♐56	6♒ 3	10♒15	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s26	21n 2	2n25	10s26	1n31	4s47	1n44	16n12	1n54	9s42	1n 4	18s24	1s22	15s17	0s45	22n20	1s 9	19s18	16s41	23s15	23s21	16s22	12s 3	6n13
M 2	16 44	22 52	1 14	11 4	1 25	5 15	1 44	16 4	1 55	9 47	1 4	18 23	1 22	15 17	0 45	22 20	1 9	19 18	16 41	23 15	23 20	16 20	12 3	6 12
T 3	17 1	23 14	0s 3	11 41	1 19	5 44	1 44	15 56	1 56	9 52	1 4	18 22	1 22	15 17	0 45	22 20	1 9	19 18	16 41	23 15	23 20	16 18	12 3	6 12
W 4	17 18	22 5	1 21	12 19	1 12	6 13	1 43	15 48	1 57	9 56	1 4	18 22	1 22	15 16	0 45	22 20	1 9	19 18	16 40	23 15	23 20	16 16	12 3	6 11
T 5	17 35	19 31	2 33	12 56	1 5	6 41	1 43	15 40	1 59	10 1	1 4	18 21	1 22	15 16	0 45	22 20	1 9	19 18	16 40	23 15	23 20	16 14	12 3	6 11
F 6	17 52	15 45	3 36	13 33	0 59	7 9	1 42	15 32	2 0	10 5	1 4	18 20	1 22	15 16	0 45	22 20	1 9	19 18	16 40	23 15	23 20	16 12	12 3	6 10
S 7	18 8	11 7	4 25	14 9	0 52	7 38	1 42	15 24	2 1	10 10	1 4	18 19	1 22	15 16	0 45	22 20	1 9	19 18	16 39	23 15	23 19	16 9	12 3	6 10
S 8	18 24	5 56	4 58	14 45	0 45	8 6	1 41	15 17	2 2	10 14	1 4	18 18	1 22	15 15	0 45	22 20	1 9	19 17	16 39	23 15	23 19	16 7	12 3	6 10
M 9	18 39	0 30	5 13	15 20	0 38	8 34	1 40	15 9	2 4	10 19	1 4	18 17	1 22	15 15	0 45	22 20	1 9	19 17	16 39	23 15	23 19	16 5	12 3	6 9
T 10	18 55	4s54	5 9	15 54	0 31	9 1	1 40	15 1	2 5	10 23	1 4	18 16	1 22	15 15	0 44	22 20	1 9	19 17	16 38	23 15	23 19	16 3	12 3	6 9
W11	19 10	10 0	4 49	16 28	0 24	9 29	1 39	14 54	2 7	10 27	1 4	18 15	1 22	15 15	0 44	22 20	1 9	19 17	16 38	23 15	23 19	16 1	12 3	6 8
T 12	19 24	14 32	4 12	17 2	0 17	9 56	1 38	14 46	2 8	10 32	1 4	18 14	1 21	15 14	0 44	22 20	1 9	19 17	16 38	23 14	23 18	15 59	12 3	6 8
F 13	19 38	18 18	3 23	17 34	0 11	10 23	1 37	14 38	2 9	10 36	1 4	18 13	1 21	15 14	0 44	22 20	1 9	19 17	16 37	23 14	23 18	15 56	12 2	6 8
S 14	19 52	21 5	2 24	18 6	0 4	10 50	1 36	14 31	2 11	10 40	1 4	18 12	1 21	15 14	0 44	22 19	1 9	19 17	16 37	23 14	23 18	15 54	12 2	6 7
S 15	20 6	22 46	1 18	18 37	0s 3	11 17	1 35	14 24	2 12	10 45	1 4	18 11	1 21	15 13	0 44	22 19	1 9	19 16	16 37	23 14	23 18	15 52	12 2	6 7
M16	20 19	23 15	0 10	19 7	0 10	11 43	1 33	14 16	2 13	10 49	1 4	18 10	1 21	15 13	0 44	22 19	1 9	19 16	16 36	23 14	23 18	15 50	12 2	6 6
T 17	20 31	22 36	0n57	19 36	0 16	12 9	1 32	14 9	2 15	10 53	1 4	18 9	1 21	15 12	0 44	22 19	1 9	19 16	16 36	23 14	23 17	15 48	12 2	6 6
W18	20 44	20 54	2 1	20 4	0 23	12 35	1 31	14 2	2 16	10 57	1 4	18 8	1 21	15 12	0 44	22 19	1 9	19 16	16 36	23 14	23 17	15 45	12 2	6 6
T 19	20 56	18 18	2 59	20 32	0 29	13 1	1 29	13 55	2 18	11 2	1 4	18 7	1 21	15 11	0 44	22 19	1 9	19 16	16 35	23 14	23 17	15 43	12 1	6 5
F 20	21 7	14 58	3 48	20 58	0 36	13 26	1 28	13 48	2 19	11 6	1 4	18 6	1 21	15 11	0 44	22 19	1 9	19 15	16 35	23 14	23 17	15 41	12 1	6 5
S 21	21 18	11 3	4 29	21 24	0 42	13 51	1 26	13 41	2 21	11 10	1 4	18 4	1 21	15 11	0 44	22 19	1 9	19 15	16 35	23 14	23 17	15 39	12 1	6 5
S 22	21 29	6 41	4 57	21 48	0 48	14 15	1 25	13 34	2 22	11 14	1 4	18 3	1 21	15 10	0 44	22 19	1 9	19 15	16 34	23 14	23 16	15 36	12 0	6 4
M23	21 39	2 2	5 14	22 11	0 54	14 40	1 23	13 28	2 24	11 18	1 4	18 2	1 21	15 10	0 44	22 19	1 9	19 15	16 34	23 14	23 16	15 34	12 0	6 4
T 24	21 49	2n47	5 16	22 34	1 0	15 3	1 22	13 21	2 25	11 22	1 4	18 0	1 21	15 9	0 44	22 19	1 9	19 14	16 34	23 14	23 16	15 32	12 0	6 3
W25	21 59	7 37	5 4	22 55	1 6	15 27	1 20	13 15	2 27	11 26	1 5	17 59	1 21	15 9	0 44	22 19	1 9	19 14	16 33	23 14	23 16	15 30	11 59	6 3
T 26	22 8	12 15	4 36	23 15	1 11	15 50	1 18	13 8	2 28	11 30	1 5	17 58	1 21	15 8	0 44	22 19	1 9	19 14	16 33	23 14	23 16	15 28	11 59	6 3
F 27	22 16	16 27	3 52	23 33	1 17	16 13	1 16	13 2	2 30	11 34	1 5	17 56	1 21	15 7	0 44	22 19	1 9	19 13	16 33	23 14	23 15	15 25	11 59	6 2
S 28	22 24	19 54	2 54	23 51	1 22	16 35	1 14	12 56	2 31	11 38	1 5	17 55	1 21	15 7	0 44	22 19	1 9	19 13	16 32	23 14	23 15	15 23	11 58	6 2
S 29	22 32	22 17	1 44	24 7	1 27	16 57	1 12	12 50	2 33	11 42	1 5	17 54	1 20	15 6	0 44	22 19	1 9	19 13	16 32	23 14	23 15	15 21	11 58	6 2
M30	22s39	23n15	0n26	24s23	1s31	17s18	1n10	12n44	2n35	11s46	1n 5	17s52	1s20	15s 6	0s44	22n18	1s 9	19s12	16s32	23s14	23s15	15s19	11s58	6n 1

Julian Day Number = 2115832.5, Delta T = 18m46s
Ecliptic obliquity = 23°33'29, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°55'37, Lahiri = 11°02'38 Julian Calendar 1 Nov. 1080 == Greg. Calendar 7 Nov. 1080

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1080
geocentric

DECEMBER 1080 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 3 44	15♐33'01	0♋40	17♐59	23♏33	3♍39	3♏47	14♒30	21♒32	24°R58	19♓45	20♐41	20♐52	6♒10	10♒18	T 1
W 2	5 7 41	16°34'10	15°26	19°34	24°48	3°58	3°59	14°35	21°34	24♊56	19°45	20°41	20°49	6°17	10°21	W 2
T 3	5 11 37	17°35'19	0♌12	21°10	26° 3	4°17	4°10	14°40	21°36	24°55	19°45	20°42	20°46	6°24	10°24	T 3
F 4	5 15 34	18°36'29	14°51	22°46	27°18	4°36	4°21	14°45	21°38	24°53	19°45	20°42	20°43	6°30	10°27	F 4
S 5	5 19 30	19°37'39	29°17	24°22	28°34	4°54	4°32	14°50	21°40	24°51	19°45	20°42	20°40	6°37	10°30	S 5
S 6	5 23 27	20°38'50	13♍28	25°59	29°49	5°11	4°43	14°55	21°42	24°49	19°45	20°42	20°37	6°44	10°33	S 6
M 7	5 27 23	21°40'01	27°22	27°35	1♐ 4	5°28	4°54	15° 0	21°44	24°48	19°46	20°42	20°33	6°50	10°37	M 7
T 8	5 31 20	22°41'13	10♎57	29°12	2°19	5°45	5° 5	15° 6	21°46	24°46	19°46	20°42	20°30	6°57	10°40	T 8
W 9	5 35 17	23°42'26	24°16	0♏49	3°34	6° 1	5°16	15°11	21°48	24°44	19°46	20°42	20°27	7° 4	10°43	W 9
T 10	5 39 13	24°43'38	7♏18	2°27	4°50	6°17	5°26	15°17	21°51	24°43	19°46	20°43	20°24	7°10	10°47	T 10
F 11	5 43 10	25°44'52	20° 7	4° 4	6° 5	6°33	5°37	15°22	21°53	24°41	19°47	20°43	20°21	7°17	10°50	F 11
S 12	5 47 6	26°46'05	2♐42	5°42	7°20	6°47	5°48	15°28	21°55	24°39	19°47	20°44	20°18	7°24	10°53	S 12
S 13	5 51 3	27°47'19	15° 5	7°20	8°35	7° 2	5°58	15°33	21°58	24°38	19°47	20°R44	20°14	7°30	10°57	S 13
M14	5 54 59	28°48'32	27°19	8°57	9°51	7°15	6° 8	15°39	22° 0	24°36	19°48	20°44	20°11	7°37	11° 0	M14
T 15	5 58 56	29°49'46	9♑24	10°35	11° 6	7°29	6°19	15°45	22° 2	24°34	19°48	20°44	20° 8	7°44	11° 4	T 15
W16	6 2 52	0♑50'59	21°21	12°13	12°21	7°41	6°29	15°51	22° 5	24°32	19°49	20°43	20° 5	7°50	11° 8	W16
T 17	6 6 49	1°52'12	3♒14	13°51	13°36	7°54	6°39	15°57	22° 7	24°31	19°49	20°41	20° 2	7°57	11°11	T 17
F 18	6 10 46	2°53'25	15° 3	15°29	14°52	8° 5	6°49	16° 3	22°10	24°29	19°49	20°39	19°58	8° 4	11°15	F 18
S 19	6 14 42	3°54'37	26°53	17° 6	16° 7	8°16	6°59	16° 9	22°12	24°27	19°50	20°37	19°55	8°11	11°19	S 19
S 20	6 18 39	4°55'49	8♓46	18°43	17°22	8°27	7° 8	16°15	22°15	24°26	19°50	20°35	19°52	8°17	11°22	S 20
M21	6 22 35	5°57'00	20°47	20°19	18°37	8°37	7°18	16°21	22°17	24°24	19°51	20°34	19°49	8°24	11°26	M21
T 22	6 26 32	6°58'11	2♈59	21°55	19°53	8°46	7°27	16°27	22°20	24°22	19°52	20°D33	19°46	8°31	11°30	T 22
W23	6 30 28	7°59'21	15°28	23°29	21° 8	8°55	7°37	16°33	22°23	24°21	19°52	20°33	19°43	8°37	11°34	W23
T 24	6 34 25	9° 0'30	28°17	25° 2	22°23	9° 3	7°46	16°40	22°25	24°19	19°53	20°34	19°39	8°44	11°38	T 24
F 25	6 38 21	10° 1'39	11♉30	26°34	23°38	9°10	7°55	16°46	22°28	24°17	19°53	20°36	19°36	8°51	11°41	F 25
S 26	6 42 18	11° 2'46	25°11	28° 3	24°54	9°17	8° 4	16°52	22°31	24°16	19°54	20°37	19°33	8°57	11°45	S 26
S 27	6 46 15	12° 3'54	9♊18	29°30	26° 9	9°23	8°13	16°59	22°34	24°14	19°55	20°38	19°30	9° 4	11°49	S 27
M28	6 50 11	13° 5'00	23°51	0♒54	27°24	9°29	8°22	17° 5	22°37	24°13	19°55	20°R39	19°27	9°11	11°53	M28
T 29	6 54 8	14° 6'06	8♋45	2°14	28°39	9°34	8°31	17°12	22°39	24°11	19°56	20°38	19°24	9°17	11°57	T 29
W30	6 58 4	15° 7'11	23°52	3°30	29°54	9°38	8°40	17°18	22°42	24°10	19°57	20°36	19°20	9°24	12° 1	W30
T 31	7 2 1	16♑ 8'15	9♌ 3	4♒42	1♑10	9♍41	8♏48	17♒25	22♒45	24♊ 8	19♓58	20♐32	19♐17	9♒31	12♒ 5	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s46	22n38	0s55	24s36	1s36	17s39	1n 8	12n39	2n36	11s49	1n 5	17s51	1s20	15s 5	0s44	22n18	1s 9	19s12	16s31	23s14	23s15	15s16	11s57	6n 1
W 2	22 53	20 27	2 13	24 49	1 40	17 59	1 6	12 33	2 38	11 53	1 5	17 49	1 20	15 4	0 44	22 18	1 9	19 12	16 31	23 14	23 14	15 14	11 57	6 1
T 3	22 59	16 55	3 22	25 0	1 44	18 19	1 4	12 28	2 39	11 57	1 5	17 48	1 20	15 4	0 44	22 18	1 9	19 11	16 30	23 14	23 14	15 12	11 56	6 0
F 4	23 4	12 21	4 18	25 10	1 48	18 39	1 2	12 22	2 41	12 1	1 5	17 46	1 20	15 3	0 44	22 18	1 9	19 11	16 30	23 14	23 14	15 10	11 56	6 0
S 5	23 9	7 9	4 56	25 18	1 52	18 58	1 0	12 17	2 43	12 4	1 5	17 45	1 20	15 2	0 44	22 18	1 9	19 10	16 30	23 14	23 14	15 8	11 55	6 0
S 6	23 14	1 41	5 15	25 25	1 55	19 16	0 58	12 12	2 44	12 8	1 5	17 43	1 20	15 2	0 44	22 18	1 9	19 10	16 29	23 14	23 13	15 5	11 55	5 59
M 7	23 18	3s46	5 16	25 30	1 58	19 34	0 55	12 7	2 46	12 12	1 5	17 41	1 20	15 1	0 44	22 18	1 9	19 10	16 29	23 14	23 13	15 3	11 54	5 59
T 8	23 21	8 55	4 58	25 34	2 1	19 52	0 53	12 3	2 48	12 15	1 6	17 40	1 20	15 0	0 44	22 18	1 9	19 9	16 29	23 14	23 13	15 1	11 53	5 59
W 9	23 24	13 33	4 25	25 36	2 3	20 8	0 51	11 58	2 50	12 19	1 6	17 38	1 20	15 0	0 44	22 18	1 9	19 9	16 28	23 14	23 13	14 59	11 53	5 58
T 10	23 27	17 27	3 39	25 37	2 5	20 25	0 49	11 54	2 51	12 22	1 6	17 36	1 20	14 59	0 44	22 18	1 9	19 8	16 28	23 14	23 12	14 56	11 52	5 58
F 11	23 29	20 27	2 42	25 36	2 6	20 40	0 46	11 50	2 53	12 26	1 6	17 35	1 20	14 58	0 43	22 18	1 9	19 8	16 28	23 14	23 12	14 54	11 52	5 58
S 12	23 31	22 25	1 39	25 33	2 7	20 55	0 44	11 46	2 55	12 29	1 6	17 33	1 20	14 57	0 43	22 18	1 9	19 8	16 27	23 14	23 12	14 52	11 51	5 58
S 13	23 32	23 14	0 31	25 29	2 8	21 10	0 41	11 42	2 57	12 32	1 6	17 31	1 20	14 57	0 43	22 18	1 9	19 7	16 27	23 14	23 12	14 49	11 50	5 57
M14	23 33	22 55	0n36	25 23	2 8	21 24	0 39	11 39	2 59	12 36	1 6	17 30	1 20	14 56	0 43	22 18	1 9	19 7	16 27	23 14	23 12	14 47	11 50	5 57
T 15	23 33	21 32	1 42	25 16	2 8	21 37	0 37	11 36	3 0	12 39	1 6	17 28	1 20	14 55	0 43	22 18	1 9	19 6	16 26	23 14	23 11	14 45	11 49	5 57
W16	23 33	19 11	2 42	25 7	2 8	21 49	0 34	11 32	3 2	12 42	1 6	17 26	1 20	14 54	0 43	22 18	1 9	19 6	16 26	23 14	23 11	14 43	11 48	5 56
T 17	23 33	16 3	3 34	24 56	2 6	22 1	0 32	11 30	3 4	12 45	1 6	17 24	1 20	14 53	0 43	22 17	1 9	19 5	16 26	23 14	23 11	14 40	11 48	5 56
F 18	23 32	12 18	4 18	24 43	2 5	22 13	0 29	11 27	3 6	12 49	1 6	17 22	1 20	14 52	0 43	22 17	1 9	19 5	16 25	23 14	23 11	14 38	11 47	5 56
S 19	23 30	8 4	4 50	24 29	2 2	22 23	0 27	11 24	3 8	12 52	1 7	17 21	1 20	14 52	0 43	22 17	1 9	19 4	16 25	23 13	23 10	14 36	11 46	5 56
S 20	23 28	3 32	5 10	24 13	1 59	22 33	0 24	11 22	3 10	12 55	1 7	17 19	1 20	14 51	0 43	22 17	1 9	19 4	16 24	23 13	23 10	14 34	11 45	5 55
M21	23 25	1n10	5 16	23 55	1 56	22 42	0 22	11 20	3 12	12 58	1 7	17 17	1 20	14 50	0 43	22 17	1 9	19 3	16 24	23 13	23 10	14 31	11 44	5 55
T 22	23 22	5 55	5 9	23 36	1 52	22 51	0 19	11 18	3 13	13 1	1 7	17 15	1 20	14 49	0 43	22 17	1 9	19 3	16 24	23 13	23 10	14 29	11 44	5 55
W23	23 19	10 31	4 47	23 15	1 47	22 59	0 17	11 17	3 15	13 4	1 7	17 13	1 20	14 48	0 43	22 17	1 9	19 2	16 23	23 13	23 9	14 27	11 43	5 55
T 24	23 15	14 49	4 10	22 53	1 41	23 6	0 14	11 16	3 17	13 7	1 7	17 11	1 20	14 47	0 43	22 17	1 9	19 1	16 23	23 13	23 9	14 24	11 42	5 55
F 25	23 11	18 31	3 20	22 29	1 34	23 13	0 12	11 15	3 19	13 10	1 7	17 9	1 20	14 46	0 43	22 17	1 9	19 1	16 23	23 13	23 9	14 22	11 41	5 54
S 26	23 6	21 21	2 16	22 4	1 27	23 18	0 9	11 14	3 21	13 12	1 7	17 7	1 20	14 45	0 43	22 17	1 9	19 0	16 22	23 13	23 9	14 20	11 40	5 54
S 27	23 0	22 59	1 2	21 38	1 19	23 24	0 6	11 13	3 23	13 15	1 7	17 5	1 20	14 44	0 43	22 17	1 9	19 0	16 22	23 14	23 8	14 18	11 39	5 54
M28	22 55	23 7	0s18	21 11	1 9	23 28	0 4	11 13	3 25	13 18	1 8	17 3	1 20	14 43	0 43	22 17	1 9	18 59	16 22	23 14	23 8	14 15	11 39	5 54
T 29	22 48	21 38	1 38	20 43	0 59	23 32	0 1	11 13	3 27	13 21	1 8	17 1	1 20	14 42	0 43	22 17	1 9	18 59	16 21	23 13	23 8	14 13	11 38	5 53
W30	22 42	18 36	2 53	20 15	0 48	23 35	0s 1	11 13	3 29	13 23	1 8	16 59	1 20	14 42	0 43	22 17	1 9	18 58	16 21	23 13	23 8	14 11	11 37	5 53
T 31	22s35	14n18	3s56	19s46	0s36	23s37	0s 4	11n14	3n31	13s26	1n 8	16s57	1s20	14s41	0s43	22n17	1s 9	18s57	16s21	23s13	23s 7	14s 8	11s36	5n53

Julian Day Number = 2115862.5, Delta T = 18m46s
Ecliptic obliquity = 23°33'28, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°55'41, Lahiri = 11°02'42 Julian Calendar 1 Dec. 1080 == Greg. Calendar 7 Dec. 1080

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1081
geocentric

JANUARY 1081 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 5 57	17♑ 9'19	24♌ 8	5♒48	2♑25	9♍44	8♏56	17♒31	22♒48	24°R 6	19♓58	20°R29	19♐14	9♒38	12♒ 9	F 1
S 2	7 9 54	18°10'22	8♍57	6°47	3°40	9°46	9° 5	17°38	22°51	24♊ 5	19°59	20♐25	19°11	9°44	12°14	S 2
S 3	7 13 50	19°11'25	23°26	7°39	4°55	9°47	9°13	17°45	22°54	24° 3	20° 0	20°22	19° 8	9°51	12°18	S 3
M 4	7 17 47	20°12'27	7♎29	8°23	6°11	9°R48	9°21	17°52	22°57	24° 2	20° 1	20°20	19° 4	9°58	12°22	M 4
T 5	7 21 44	21°13'28	21° 6	8°59	7°26	9°48	9°29	17°58	23° 0	24° 0	20° 2	20°D19	19° 1	10° 4	12°26	T 5
W 6	7 25 40	22°14'29	4♏20	9°24	8°41	9°47	9°36	18° 5	23° 3	23°59	20° 3	20°19	18°58	10°11	12°30	W 6
T 7	7 29 37	23°15'30	17°11	9°39	9°56	9°45	9°44	18°12	23° 6	23°57	20° 3	20°21	18°55	10°18	12°34	T 7
F 8	7 33 33	24°16'29	29°45	9°R43	11°11	9°42	9°51	18°19	23° 9	23°56	20° 4	20°23	18°52	10°24	12°39	F 8
S 9	7 37 30	25°17'28	12♐ 5	9°36	12°27	9°39	9°59	18°26	23°13	23°55	20° 5	20°24	18°49	10°31	12°43	S 9
S 10	7 41 26	26°18'26	24°13	9°18	13°42	9°35	10° 6	18°33	23°16	23°53	20° 6	20°R24	18°45	10°38	12°47	S 10
M11	7 45 23	27°19'23	6♑14	8°48	14°57	9°30	10°13	18°40	23°19	23°52	20° 7	20°23	18°42	10°44	12°51	M11
T 12	7 49 20	28°20'19	18°10	8° 8	16°12	9°25	10°20	18°47	23°22	23°51	20° 8	20°20	18°39	10°51	12°56	T 12
W13	7 53 16	29°21'14	0♒ 2	7°18	17°27	9°18	10°26	18°54	23°25	23°49	20° 9	20°14	18°36	10°58	13° 0	W13
T 14	7 57 13	0♒22'08	11°52	6°20	18°43	9°11	10°33	19° 1	23°29	23°48	20°10	20° 7	18°33	11° 5	13° 4	T 14
F 15	8 1 9	1°23'01	23°43	5°16	19°58	9° 3	10°39	19° 8	23°32	23°47	20°11	19°59	18°30	11°11	13° 8	F 15
S 16	8 5 6	2°23'52	5♓35	4° 7	21°13	8°54	10°46	19°15	23°35	23°45	20°12	19°50	18°26	11°18	13°13	S 16
S 17	8 9 2	3°24'42	17°31	2°55	22°28	8°45	10°52	19°22	23°38	23°44	20°13	19°42	18°23	11°25	13°17	S 17
M18	8 12 59	4°25'30	29°34	1°43	23°43	8°34	10°58	19°29	23°42	23°43	20°15	19°36	18°20	11°31	13°21	M18
T 19	8 16 55	5°26'17	11♈46	0°32	24°58	8°23	11° 4	19°37	23°45	23°42	20°16	19°31	18°17	11°38	13°26	T 19
W20	8 20 52	6°27'02	24°12	29♑24	26°14	8°11	11° 9	19°44	23°48	23°41	20°17	19°28	18°14	11°45	13°30	W20
T 21	8 24 48	7°27'45	6♉54	28°21	27°29	7°58	11°15	19°51	23°52	23°39	20°18	19°D27	18°10	11°51	13°35	T 21
F 22	8 28 45	8°28'27	19°58	27°23	28°44	7°45	11°20	19°58	23°55	23°38	20°19	19°27	18° 7	11°58	13°39	F 22
S 23	8 32 42	9°29'07	3♊27	26°33	29°59	7°31	11°25	20° 6	23°58	23°37	20°20	19°28	18° 4	12° 5	13°43	S 23
S 24	8 36 38	10°29'46	17°24	25°50	1♒14	7°16	11°30	20°13	24° 2	23°36	20°21	19°R29	18° 1	12°12	13°48	S 24
M25	8 40 35	11°30'23	1♋48	25°14	2°29	7° 0	11°35	20°20	24° 5	23°35	20°23	19°29	17°58	12°18	13°52	M25
T 26	8 44 31	12°30'58	16°38	24°47	3°44	6°44	11°40	20°27	24° 9	23°34	20°24	19°26	17°55	12°25	13°56	T 26
W27	8 48 28	13°31'31	1♌47	24°27	4°59	6°27	11°44	20°35	24°12	23°33	20°25	19°21	17°51	12°32	14° 1	W27
T 28	8 52 24	14°32'02	17° 7	24°15	6°14	6° 9	11°49	20°42	24°15	23°32	20°26	19°13	17°48	12°38	14° 5	T 28
F 29	8 56 21	15°32'32	2♍25	24°D11	7°29	5°51	11°53	20°49	24°19	23°31	20°28	19° 5	17°45	12°45	14° 9	F 29
S 30	9 0 18	16°33'01	17°32	24°13	8°44	5°32	11°57	20°57	24°22	23°30	20°29	18°56	17°42	12°52	14°14	S 30
S 31	9 4 14	17♒33'28	2♎18	24♑22	9♒59	5♍13	12♏ 1	21♒ 4	24♒26	23♊29	20♓30	18♐48	17♐39	12♒58	14♒18	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	22s27	9n 7	4s41	19s17	0s23	23s38	0s 6	11n14	3n33	13s28	1n 8	16s55	1s20	14s40	0s43	22n17	1s 9	18s57	16s21	23s13	23s 7	14s 6	11s35	5n53	F 1
S 2	22 19	3 30	5 7	18 49	0 9	23 39	0 9	11 15	3 35	13 31	1 8	16 53	1 20	14 39	0 43	22 17	1 9	18 56	16 20	23 13	23 7	14 4	11 34	5 53	S 2
S 3	22 11	2s10	5 13	18 21	0n 6	23 39	0 11	11 17	3 37	13 33	1 8	16 51	1 20	14 38	0 43	22 17	1 9	18 56	16 20	23 12	23 7	14 2	11 33	5 53	S 3
M 4	22 2	7 34	5 0	17 54	0 22	23 38	0 13	11 18	3 39	13 36	1 9	16 49	1 20	14 37	0 43	22 17	1 9	18 55	16 20	23 12	23 6	13 59	11 32	5 52	M 4
T 5	21 52	12 26	4 30	17 29	0 38	23 37	0 16	11 20	3 41	13 38	1 9	16 47	1 20	14 36	0 43	22 17	1 9	18 54	16 19	23 12	23 6	13 57	11 31	5 52	T 5
W 6	21 43	16 34	3 46	17 6	0 55	23 35	0 18	11 22	3 42	13 40	1 9	16 45	1 20	14 35	0 43	22 17	1 9	18 54	16 19	23 12	23 6	13 55	11 30	5 52	W 6
T 7	21 33	19 48	2 52	16 45	1 13	23 32	0 21	11 25	3 44	13 43	1 9	16 43	1 20	14 33	0 43	22 17	1 9	18 53	16 19	23 12	23 6	13 52	11 29	5 52	T 7
F 8	21 22	22 0	1 51	16 26	1 31	23 28	0 23	11 27	3 46	13 45	1 9	16 41	1 20	14 32	0 43	22 16	1 9	18 53	16 18	23 12	23 5	13 50	11 28	5 52	F 8
S 9	21 11	23 6	0 45	16 11	1 49	23 24	0 25	11 30	3 48	13 47	1 9	16 38	1 20	14 31	0 43	22 16	1 9	18 52	16 18	23 13	23 5	13 48	11 27	5 52	S 9
S 10	21 0	23 5	0n21	15 59	2 7	23 19	0 28	11 34	3 50	13 49	1 9	16 36	1 20	14 30	0 43	22 16	1 9	18 51	16 18	23 13	23 5	13 45	11 26	5 52	S 10
M11	20 48	21 59	1 25	15 50	2 24	23 13	0 30	11 37	3 52	13 51	1 10	16 34	1 20	14 29	0 43	22 16	1 9	18 51	16 18	23 12	23 4	13 43	11 25	5 51	M11
T 12	20 36	19 55	2 25	15 45	2 40	23 6	0 32	11 41	3 54	13 53	1 10	16 32	1 20	14 28	0 43	22 16	1 9	18 50	16 17	23 12	23 4	13 41	11 24	5 51	T 12
W13	20 23	17 1	3 19	15 43	2 55	22 59	0 35	11 45	3 56	13 55	1 10	16 30	1 20	14 27	0 43	22 16	1 9	18 49	16 17	23 12	23 4	13 38	11 23	5 51	W13
T 14	20 10	13 25	4 3	15 44	3 8	22 51	0 37	11 50	3 57	13 57	1 10	16 27	1 20	14 26	0 43	22 16	1 8	18 49	16 17	23 11	23 4	13 36	11 22	5 51	T 14
F 15	19 57	9 19	4 37	15 49	3 20	22 42	0 39	11 54	3 59	13 59	1 10	16 25	1 20	14 25	0 43	22 16	1 8	18 48	16 17	23 11	23 3	13 34	11 21	5 51	F 15
S 16	19 43	4 52	4 59	15 56	3 29	22 33	0 41	11 59	4 1	14 1	1 10	16 23	1 20	14 24	0 43	22 16	1 8	18 47	16 16	23 10	23 3	13 31	11 19	5 51	S 16
S 17	19 29	0 14	5 8	16 6	3 36	22 23	0 43	12 4	4 3	14 3	1 10	16 21	1 20	14 23	0 43	22 16	1 8	18 47	16 16	23 9	23 3	13 29	11 18	5 51	S 17
M18	19 15	4n28	5 4	16 18	3 41	22 12	0 45	12 10	4 4	14 4	1 11	16 19	1 20	14 22	0 43	22 16	1 8	18 46	16 16	23 9	23 3	13 27	11 17	5 51	M18
T 19	19 0	9 3	4 46	16 31	3 43	22 1	0 47	12 16	4 6	14 6	1 11	16 16	1 20	14 21	0 43	22 16	1 8	18 45	16 16	23 8	23 2	13 24	11 16	5 51	T 19
W20	18 45	13 21	4 14	16 45	3 42	21 49	0 49	12 22	4 7	14 8	1 11	16 14	1 20	14 19	0 43	22 16	1 8	18 45	16 15	23 8	23 2	13 22	11 15	5 51	W20
T 21	18 30	17 10	3 29	17 0	3 40	21 36	0 51	12 28	4 9	14 9	1 11	16 12	1 20	14 18	0 43	22 16	1 8	18 44	16 15	23 8	23 2	13 20	11 14	5 50	T 21
F 22	18 14	20 16	2 32	17 16	3 35	21 23	0 53	12 34	4 10	14 11	1 11	16 10	1 20	14 17	0 43	22 16	1 8	18 43	16 15	23 8	23 1	13 17	11 13	5 50	F 22
S 23	17 58	22 21	1 25	17 32	3 29	21 9	0 55	12 41	4 12	14 12	1 11	16 7	1 20	14 16	0 43	22 16	1 8	18 43	16 15	23 8	23 1	13 15	11 11	5 50	S 23
S 24	17 42	23 9	0 11	17 47	3 21	20 54	0 57	12 48	4 13	14 14	1 11	16 5	1 20	14 15	0 43	22 16	1 8	18 42	16 14	23 8	23 1	13 13	11 10	5 50	S 24
M25	17 25	22 27	1s 6	18 3	3 12	20 39	0 58	12 55	4 14	14 15	1 12	16 3	1 20	14 14	0 43	22 16	1 8	18 41	16 14	23 8	23 1	13 10	11 9	5 50	M25
T 26	17 8	20 12	2 20	18 17	3 2	20 23	1 0	13 2	4 16	14 16	1 12	16 0	1 20	14 13	0 43	22 16	1 8	18 41	16 14	23 8	23 0	13 8	11 8	5 50	T 26
W27	16 51	16 30	3 27	18 31	2 51	20 7	1 2	13 10	4 17	14 17	1 12	15 58	1 20	14 11	0 43	22 16	1 8	18 40	16 14	23 8	23 0	13 6	11 7	5 50	W27
T 28	16 33	11 40	4 19	18 45	2 40	19 50	1 3	13 17	4 18	14 19	1 12	15 56	1 20	14 10	0 43	22 16	1 8	18 39	16 14	23 7	23 0	13 3	11 6	5 50	T 28
F 29	16 15	6 7	4 52	18 57	2 28	19 32	1 5	13 25	4 19	14 20	1 12	15 53	1 20	14 9	0 43	22 16	1 8	18 39	16 13	23 6	22 59	13 1	11 4	5 50	F 29
S 30	15 57	0 16	5 5	19 9	2 16	19 14	1 7	13 33	4 20	14 21	1 12	15 51	1 20	14 8	0 43	22 16	1 8	18 38	16 13	23 6	22 59	12 59	11 3	5 50	S 30
S 31	15s39	5s27	4s57	19s20	2n 3	18s55	1s 8	13n41	4n21	14s22	1n13	15s49	1s20	14s 7	0s43	22n16	1s 8	18s37	16s13	23s 5	22s59	12s56	11s 2	5n50	S 31

Julian Day Number = 2115893.5, Delta T = 18m46s
Ecliptic obliquity = 23°33'28, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°55'45, Lahiri = 11°02'46 Julian Calendar 1 Jan. 1081 == Greg. Calendar 7 Jan. 1081

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1081
geocentric

FEBRUARY 1081 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 8 11	18♒33'53	16♎35	24♑37	11♒14	4°R53	12♏ 5	21♒11	24♒29	23°R29	20♓31	18°R41	17♐36	13♒ 5	14♒23	M 1
T 2	9 12 7	19°34'17	0♏23	24°58	12°29	4♍32	12° 8	21°19	24°32	23♊28	20°33	18♐37	17°32	13°12	14°27	T 2
W 3	9 16 4	20°34'40	13°42	25°25	13°44	4°11	12°11	21°26	24°36	23°27	20°34	18°36	17°29	13°19	14°31	W 3
T 4	9 20 0	21°35'01	26°34	25°56	14°59	3°50	12°15	21°33	24°39	23°26	20°35	18°D35	17°26	13°25	14°36	T 4
F 5	9 23 57	22°35'21	9♐ 4	26°32	16°14	3°28	12°18	21°41	24°43	23°26	20°37	18°36	17°23	13°32	14°40	F 5
S 6	9 27 53	23°35'39	21°18	27°13	17°29	3° 6	12°20	21°48	24°46	23°25	20°38	18°R36	17°20	13°39	14°44	S 6
S 7	9 31 50	24°35'56	3♑19	27°57	18°44	2°43	12°23	21°55	24°50	23°24	20°39	18°35	17°16	13°45	14°49	S 7
M 8	9 35 47	25°36'12	15°13	28°45	19°59	2°20	12°25	22° 3	24°53	23°24	20°41	18°32	17°13	13°52	14°53	M 8
T 9	9 39 43	26°36'25	27° 3	29°36	21°14	1°57	12°28	22°10	24°57	23°23	20°42	18°25	17°10	13°59	14°57	T 9
W10	9 43 40	27°36'37	8♒52	0♒31	22°29	1°34	12°30	22°17	25° 0	23°22	20°44	18°16	17° 7	14° 5	15° 2	W10
T 11	9 47 36	28°36'47	20°42	1°28	23°44	1°10	12°32	22°24	25° 4	23°22	20°45	18° 5	17° 4	14°12	15° 6	T 11
F 12	9 51 33	29°36'55	2♓36	2°29	24°59	0°46	12°33	22°32	25° 7	23°21	20°46	17°51	17° 1	14°19	15°10	F 12
S 13	9 55 29	0♓37'01	14°34	3°31	26°14	0°23	12°35	22°39	25°10	23°21	20°48	17°37	16°57	14°26	15°14	S 13
S 14	9 59 26	1°37'05	26°38	4°37	27°28	29♌59	12°36	22°46	25°14	23°21	20°49	17°24	16°54	14°32	15°19	S 14
M15	10 3 22	2°37'07	8♈49	5°44	28°43	29°35	12°37	22°54	25°17	23°20	20°51	17°12	16°51	14°39	15°23	M15
T 16	10 7 19	3°37'07	21° 8	6°54	29°58	29°12	12°38	23° 1	25°21	23°20	20°52	17° 3	16°48	14°46	15°27	T 16
W17	10 11 15	4°37'05	3♉38	8° 5	1♓13	28°48	12°39	23° 8	25°24	23°19	20°53	16°57	16°45	14°52	15°31	W17
T 18	10 15 12	5°37'01	16°23	9°19	2°28	28°25	12°39	23°15	25°28	23°19	20°55	16°53	16°41	14°59	15°35	T 18
F 19	10 19 9	6°36'55	29°24	10°34	3°43	28° 1	12°40	23°23	25°31	23°19	20°56	16°52	16°38	15° 6	15°40	F 19
S 20	10 23 5	7°36'46	12♊45	11°51	4°57	27°38	12°40	23°30	25°34	23°19	20°58	16°52	16°35	15°12	15°44	S 20
S 21	10 27 2	8°36'35	26°29	13°10	6°12	27°16	12°R40	23°37	25°38	23°18	20°59	16°52	16°32	15°19	15°48	S 21
M22	10 30 58	9°36'22	10♋39	14°30	7°27	26°53	12°40	23°44	25°41	23°18	21° 1	16°50	16°29	15°26	15°52	M22
T 23	10 34 55	10°36'06	25°12	15°52	8°42	26°32	12°40	23°51	25°45	23°18	21° 2	16°46	16°26	15°33	15°56	T 23
W24	10 38 51	11°35'48	10♌ 7	17°16	9°56	26°10	12°39	23°58	25°48	23°18	21° 4	16°40	16°22	15°39	16° 0	W24
T 25	10 42 48	12°35'28	25°16	18°41	11°11	25°49	12°38	24° 6	25°51	23°18	21° 5	16°30	16°19	15°46	16° 4	T 25
F 26	10 46 44	13°35'06	10♍29	20° 7	12°26	25°28	12°37	24°13	25°55	23°D18	21° 7	16°19	16°16	15°53	16° 8	F 26
S 27	10 50 41	14°34'41	25°35	21°35	13°40	25° 8	12°36	24°20	25°58	23°18	21° 8	16° 8	16°13	15°59	16°12	S 27
S 28	10 54 38	15♓34'15	10♎25	23♒ 4	14♓55	24♌49	12♏35	24♒27	26♒ 1	23♊18	21♓10	15♐57	16♐10	16♒ 6	16♒16	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	15s20	10s42	4s30	19s29	1n51	18s36	1s 9	13n49	4n21	14s23	1n13	15s47	1s20	14s 6	0s43	22n16	1s 8	18s37	16s13	23s 4	22s59	12s54	11s 1	5n50
T 2	15 1	15 13	3 48	19 38	1 38	18 16	1 11	13 57	4 22	14 24	1 13	15 44	1 20	14 5	0 43	22 16	1 8	18 36	16 13	23 4	22 58	12 52	10 59	5 50
W 3	14 42	18 49	2 55	19 45	1 26	17 56	1 12	14 5	4 23	14 25	1 13	15 42	1 20	14 3	0 43	22 16	1 8	18 35	16 12	23 4	22 58	12 49	10 58	5 50
T 4	14 23	21 21	1 55	19 51	1 14	17 35	1 13	14 14	4 23	14 25	1 13	15 40	1 21	14 2	0 43	22 16	1 8	18 35	16 12	23 4	22 58	12 47	10 57	5 50
F 5	14 3	22 45	0 51	19 57	1 2	17 14	1 15	14 22	4 23	14 26	1 13	15 37	1 21	14 1	0 43	22 16	1 8	18 34	16 12	23 4	22 57	12 45	10 56	5 50
S 6	13 43	23 2	0n14	20 0	0 50	16 52	1 16	14 31	4 24	14 27	1 14	15 35	1 21	14 0	0 43	22 16	1 8	18 33	16 12	23 4	22 57	12 42	10 54	5 50
S 7	13 23	22 13	1 18	20 3	0 38	16 30	1 17	14 39	4 24	14 27	1 14	15 33	1 21	13 59	0 43	22 16	1 8	18 32	16 12	23 4	22 57	12 40	10 53	5 50
M 8	13 3	20 25	2 17	20 4	0 27	16 7	1 18	14 48	4 24	14 28	1 14	15 30	1 21	13 58	0 43	22 16	1 7	18 32	16 12	23 4	22 56	12 38	10 52	5 50
T 9	12 42	17 45	3 9	20 4	0 16	15 44	1 19	14 56	4 24	14 29	1 14	15 28	1 21	13 56	0 43	22 16	1 7	18 31	16 11	23 3	22 56	12 35	10 51	5 50
W10	12 22	14 22	3 54	20 3	0 5	15 21	1 20	15 4	4 24	14 29	1 14	15 26	1 21	13 55	0 43	22 16	1 7	18 30	16 11	23 2	22 56	12 33	10 49	5 50
T 11	12 1	10 26	4 28	20 1	0s 5	14 57	1 21	15 13	4 23	14 29	1 14	15 23	1 21	13 54	0 43	22 16	1 7	18 30	16 11	23 1	22 56	12 30	10 48	5 50
F 12	11 40	6 5	4 50	19 57	0 15	14 32	1 21	15 21	4 23	14 30	1 15	15 21	1 21	13 53	0 43	22 16	1 7	18 29	16 11	23 0	22 55	12 28	10 47	5 50
S 13	11 19	1 29	5 0	19 52	0 25	14 7	1 22	15 29	4 23	14 30	1 15	15 19	1 21	13 52	0 43	22 16	1 7	18 28	16 11	22 59	22 55	12 26	10 45	5 51
S 14	10 57	3n12	4 57	19 45	0 34	13 42	1 23	15 37	4 22	14 30	1 15	15 16	1 21	13 51	0 43	22 16	1 7	18 28	16 11	22 57	22 55	12 23	10 44	5 51
M15	10 36	7 48	4 40	19 37	0 43	13 17	1 23	15 45	4 21	14 31	1 15	15 14	1 21	13 49	0 43	22 16	1 7	18 27	16 11	22 56	22 54	12 21	10 43	5 51
T 16	10 14	12 8	4 10	19 28	0 51	12 51	1 24	15 53	4 21	14 31	1 15	15 12	1 21	13 48	0 43	22 16	1 7	18 26	16 11	22 55	22 54	12 19	10 42	5 51
W17	9 52	16 2	3 27	19 17	0 59	12 24	1 24	16 0	4 20	14 31	1 15	15 9	1 21	13 47	0 43	22 16	1 7	18 26	16 11	22 55	22 54	12 16	10 40	5 51
T 18	9 30	19 16	2 34	19 5	1 7	11 58	1 25	16 7	4 19	14 31	1 16	15 7	1 22	13 46	0 43	22 16	1 7	18 25	16 10	22 54	22 53	12 14	10 39	5 51
F 19	9 8	21 36	1 31	18 52	1 15	11 31	1 25	16 15	4 18	14 31	1 16	15 5	1 22	13 45	0 43	22 16	1 7	18 24	16 10	22 54	22 53	12 11	10 38	5 51
S 20	8 45	22 48	0 22	18 37	1 22	11 4	1 25	16 22	4 17	14 31	1 16	15 2	1 22	13 44	0 43	22 16	1 7	18 24	16 10	22 54	22 53	12 9	10 36	5 51
S 21	8 23	22 40	0s51	18 21	1 28	10 36	1 26	16 28	4 15	14 30	1 16	15 0	1 22	13 43	0 43	22 16	1 7	18 23	16 10	22 54	22 52	12 7	10 35	5 51
M22	8 0	21 6	2 2	18 4	1 34	10 9	1 26	16 35	4 14	14 30	1 16	14 58	1 22	13 41	0 43	22 16	1 7	18 23	16 10	22 54	22 52	12 4	10 34	5 51
T 23	7 38	18 7	3 8	17 45	1 40	9 40	1 26	16 41	4 12	14 30	1 16	14 55	1 22	13 40	0 43	22 17	1 7	18 22	16 10	22 54	22 52	12 2	10 33	5 52
W24	7 15	13 55	4 2	17 25	1 46	9 12	1 26	16 47	4 11	14 30	1 17	14 53	1 22	13 39	0 43	22 17	1 7	18 21	16 10	22 53	22 51	12 0	10 31	5 52
T 25	6 52	8 46	4 40	17 3	1 51	8 44	1 26	16 53	4 9	14 29	1 17	14 51	1 22	13 38	0 43	22 17	1 7	18 21	16 10	22 52	22 51	11 57	10 30	5 52
F 26	6 29	3 4	4 59	16 40	1 55	8 15	1 26	16 58	4 8	14 29	1 17	14 49	1 22	13 37	0 43	22 17	1 7	18 20	16 10	22 51	22 51	11 55	10 29	5 52
S 27	6 6	2s46	4 56	16 16	1 59	7 46	1 26	17 4	4 6	14 28	1 17	14 46	1 22	13 36	0 43	22 17	1 7	18 19	16 10	22 50	22 50	11 52	10 27	5 52
S 28	5s43	8s20	4s34	15s50	2s 3	7s17	1s25	17n 9	4n 4	14s28	1n17	14s44	1s23	13s35	0s43	22n17	1s 7	18s19	16s10	22s49	22s50	11s50	10s26	5n52

Julian Day Number = 2115924.5, Delta T = 18m46s
Ecliptic obliquity = 23°33'28, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°55'50, Lahiri = 11°02'50 Julian Calendar 1 Feb. 1081 == Greg. Calendar 7 Feb. 1081

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1081
geocentric

MARCH 1081 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 58 34	16♓33'46	24♎50	24♒35	16♓10	24°R30	12°R33	24♒34	26♒ 5	23♊18	21♓11	15°R48	16♐ 7	16♒13	16♒20	M 1
T 2	11 2 31	17°33'16	8♏46	26° 7	17°24	24♌11	12♏32	24°41	26° 8	23°18	21°13	15♐42	16° 3	16°19	16°24	T 2
W 3	11 6 27	18°32'44	22°12	27°40	18°39	23°53	12°30	24°48	26°11	23°18	21°14	15°38	16° 0	16°26	16°28	W 3
T 4	11 10 24	19°32'10	5♐11	29°15	19°53	23°36	12°28	24°54	26°14	23°19	21°16	15°37	15°57	16°33	16°31	T 4
F 5	11 14 20	20°31'35	17°45	0♓51	21° 8	23°20	12°26	25° 1	26°18	23°19	21°17	15°37	15°54	16°40	16°35	F 5
S 6	11 18 17	21°30'58	0♑ 0	2°28	22°22	23° 4	12°23	25° 8	26°21	23°19	21°19	15°37	15°51	16°46	16°39	S 6
S 7	11 22 13	22°30'18	12° 1	4° 7	23°37	22°49	12°21	25°15	26°24	23°19	21°20	15°35	15°47	16°53	16°43	S 7
M 8	11 26 10	23°29'37	23°54	5°47	24°52	22°34	12°18	25°22	26°27	23°20	21°22	15°32	15°44	17° 0	16°46	M 8
T 9	11 30 7	24°28'54	5♒43	7°28	26° 6	22°20	12°15	25°29	26°30	23°20	21°23	15°26	15°41	17° 6	16°50	T 9
W10	11 34 3	25°28'10	17°33	9°11	27°21	22° 8	12°12	25°35	26°33	23°20	21°25	15°17	15°38	17°13	16°54	W10
T 11	11 38 0	26°27'23	29°26	10°55	28°35	21°55	12° 8	25°42	26°37	23°21	21°26	15° 6	15°35	17°20	16°57	T 11
F 12	11 41 56	27°26'34	11♓24	12°41	29°49	21°44	12° 5	25°49	26°40	23°21	21°28	14°53	15°32	17°27	17° 1	F 12
S 13	11 45 53	28°25'43	23°31	14°28	1♈ 4	21°33	12° 1	25°55	26°43	23°22	21°29	14°39	15°28	17°33	17° 4	S 13
S 14	11 49 49	29°24'50	5♈45	16°16	2°18	21°23	11°57	26° 2	26°46	23°22	21°30	14°26	15°25	17°40	17° 8	S 14
M15	11 53 46	0♈23'55	18° 9	18° 6	3°33	21°14	11°53	26° 8	26°49	23°23	21°32	14°14	15°22	17°47	17°11	M15
T 16	11 57 42	1°22'58	0♉43	19°57	4°47	21° 6	11°49	26°15	26°52	23°23	21°33	14° 4	15°19	17°53	17°15	T 16
W17	12 1 39	2°21'59	13°27	21°50	6° 2	20°59	11°45	26°21	26°55	23°24	21°35	13°58	15°16	18° 0	17°18	W17
T 18	12 5 35	3°20'57	26°23	23°44	7°16	20°52	11°41	26°28	26°58	23°25	21°36	13°54	15°12	18° 7	17°22	T 18
F 19	12 9 32	4°19'53	9♊32	25°39	8°30	20°46	11°36	26°34	27° 1	23°25	21°38	13°D53	15° 9	18°13	17°25	F 19
S 20	12 13 29	5°18'47	22°56	27°36	9°45	20°41	11°31	26°40	27° 4	23°26	21°39	13°53	15° 6	18°20	17°28	S 20
S 21	12 17 25	6°17'39	6♋37	29°34	10°59	20°37	11°26	26°46	27° 6	23°27	21°41	13°R54	15° 3	18°27	17°31	S 21
M22	12 21 22	7°16'28	20°37	1♈34	12°13	20°33	11°21	26°53	27° 9	23°27	21°42	13°53	15° 0	18°34	17°35	M22
T 23	12 25 18	8°15'15	4♌55	3°35	13°27	20°30	11°16	26°59	27°12	23°28	21°44	13°50	14°57	18°40	17°38	T 23
W24	12 29 15	9°14'00	19°29	5°37	14°42	20°28	11°11	27° 5	27°15	23°29	21°45	13°45	14°53	18°47	17°41	W24
T 25	12 33 11	10°12'42	4♍16	7°40	15°56	20°27	11° 5	27°11	27°18	23°30	21°47	13°38	14°50	18°54	17°44	T 25
F 26	12 37 8	11°11'22	19° 7	9°45	17°10	20°D27	10°59	27°17	27°20	23°31	21°48	13°29	14°47	19° 0	17°47	F 26
S 27	12 41 4	12°10'00	3♎55	11°50	18°24	20°27	10°54	27°23	27°23	23°32	21°49	13°19	14°44	19° 7	17°50	S 27
S 28	12 45 1	13° 8'35	18°32	13°56	19°38	20°28	10°48	27°29	27°26	23°33	21°51	13°10	14°41	19°14	17°53	S 28
M29	12 48 58	14° 7'09	2♏50	16° 3	20°52	20°30	10°42	27°35	27°28	23°34	21°52	13° 3	14°38	19°21	17°56	M29
T 30	12 52 54	15° 5'41	16°43	18°11	22° 6	20°32	10°36	27°40	27°31	23°35	21°54	12°58	14°34	19°27	17°58	T 30
W31	12 56 51	16♈ 4'12	0♐11	20♈18	23♈21	20♌35	10♏29	27♒46	27♒33	23♊36	21♓55	12♐55	14♐31	19♒34	18♒ 1	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s20	13s17	3s54	15s23	2s 7	6s47	1s25	17n13	4n 2	14s27	1n17	14s42	1s23	13s34	0s43	22n17	1s 7	18s18	16s10	22s48	22s50	11s48	10s25	5n52
T 2	4 56	17 21	3 1	14 54	2 9	6 18	1 25	17 18	4 0	14 27	1 18	14 40	1 23	13 32	0 43	22 17	1 6	18 18	16 10	22 47	22 49	11 45	10 23	5 53
W 3	4 33	20 21	2 0	14 24	2 12	5 48	1 24	17 22	3 58	14 26	1 18	14 37	1 23	13 31	0 43	22 17	1 6	18 17	16 10	22 47	22 49	11 43	10 22	5 53
T 4	4 10	22 10	0 55	13 53	2 14	5 18	1 24	17 26	3 56	14 25	1 18	14 35	1 23	13 30	0 43	22 17	1 6	18 16	16 10	22 47	22 49	11 40	10 21	5 53
F 5	3 46	22 48	0n11	13 20	2 16	4 48	1 23	17 29	3 54	14 24	1 18	14 33	1 23	13 29	0 43	22 17	1 6	18 16	16 10	22 47	22 48	11 38	10 20	5 53
S 6	3 23	22 18	1 15	12 46	2 17	4 18	1 23	17 32	3 52	14 23	1 18	14 31	1 23	13 28	0 43	22 17	1 6	18 15	16 10	22 47	22 48	11 36	10 18	5 53
S 7	2 59	20 46	2 15	12 11	2 17	3 48	1 22	17 35	3 49	14 23	1 18	14 29	1 23	13 27	0 43	22 17	1 6	18 15	16 10	22 46	22 48	11 33	10 17	5 53
M 8	2 36	18 21	3 8	11 34	2 18	3 18	1 21	17 38	3 47	14 22	1 18	14 26	1 23	13 26	0 43	22 17	1 6	18 14	16 10	22 46	22 47	11 31	10 16	5 54
T 9	2 12	15 11	3 52	10 56	2 17	2 47	1 20	17 40	3 45	14 21	1 19	14 24	1 24	13 25	0 43	22 17	1 6	18 13	16 10	22 45	22 47	11 28	10 15	5 54
W10	1 49	11 25	4 26	10 16	2 17	2 17	1 20	17 42	3 42	14 19	1 19	14 22	1 24	13 24	0 43	22 17	1 6	18 13	16 10	22 44	22 47	11 26	10 13	5 54
T 11	1 25	7 13	4 49	9 35	2 15	1 46	1 19	17 44	3 40	14 18	1 19	14 20	1 24	13 23	0 43	22 17	1 6	18 12	16 10	22 43	22 46	11 24	10 12	5 54
F 12	1 1	2 42	5 0	8 53	2 14	1 15	1 18	17 45	3 37	14 17	1 19	14 18	1 24	13 22	0 43	22 17	1 6	18 12	16 10	22 42	22 46	11 21	10 11	5 54
S 13	0 38	1n57	4 57	8 10	2 11	0 45	1 17	17 47	3 35	14 16	1 19	14 16	1 24	13 21	0 43	22 18	1 6	18 11	16 10	22 40	22 46	11 19	10 10	5 55
S 14	0 14	6 35	4 40	7 25	2 9	0 14	1 16	17 47	3 32	14 15	1 19	14 13	1 24	13 20	0 43	22 18	1 6	18 11	16 10	22 39	22 45	11 16	10 8	5 55
M15	0n10	11 0	4 10	6 39	2 5	0n17	1 14	17 48	3 30	14 13	1 19	14 11	1 24	13 19	0 43	22 18	1 6	18 10	16 10	22 37	22 45	11 14	10 7	5 55
T 16	0 33	15 1	3 27	5 52	2 2	0 47	1 13	17 48	3 27	14 12	1 19	14 9	1 25	13 18	0 43	22 18	1 6	18 9	16 10	22 36	22 45	11 12	10 6	5 55
W17	0 57	18 24	2 34	5 3	1 57	1 18	1 12	17 48	3 25	14 10	1 19	14 7	1 25	13 17	0 43	22 18	1 6	18 9	16 10	22 35	22 44	11 9	10 5	5 55
T 18	1 20	20 55	1 32	4 13	1 53	1 49	1 11	17 48	3 22	14 9	1 20	14 5	1 25	13 16	0 43	22 18	1 6	18 8	16 10	22 35	22 44	11 7	10 3	5 56
F 19	1 44	22 22	0 23	3 22	1 47	2 20	1 9	17 48	3 20	14 7	1 20	14 3	1 25	13 15	0 43	22 18	1 6	18 8	16 10	22 35	22 44	11 4	10 2	5 56
S 20	2 7	22 34	0s48	2 30	1 41	2 50	1 8	17 47	3 17	14 6	1 20	14 1	1 25	13 14	0 43	22 18	1 6	18 7	16 11	22 35	22 43	11 2	10 1	5 56
S 21	2 31	21 26	1 58	1 37	1 35	3 21	1 7	17 46	3 15	14 4	1 20	13 59	1 25	13 13	0 43	22 18	1 6	18 7	16 11	22 35	22 43	11 0	10 0	5 56
M22	2 54	18 58	3 2	0 43	1 28	3 51	1 5	17 44	3 12	14 3	1 20	13 57	1 25	13 12	0 43	22 18	1 6	18 6	16 11	22 35	22 43	10 57	9 59	5 57
T 23	3 17	15 18	3 57	0n12	1 21	4 22	1 3	17 43	3 9	14 1	1 20	13 55	1 26	13 11	0 43	22 18	1 5	18 6	16 11	22 34	22 42	10 55	9 57	5 57
W24	3 41	10 40	4 37	1 8	1 13	4 52	1 2	17 41	3 7	13 59	1 20	13 53	1 26	13 10	0 43	22 18	1 5	18 5	16 11	22 34	22 42	10 52	9 56	5 57
T 25	4 4	5 21	4 59	2 4	1 5	5 22	1 0	17 39	3 4	13 57	1 20	13 51	1 26	13 9	0 43	22 19	1 5	18 5	16 11	22 33	22 41	10 50	9 55	5 57
F 26	4 27	0s18	5 2	3 2	0 56	5 52	0 58	17 37	3 2	13 56	1 20	13 49	1 26	13 8	0 43	22 19	1 5	18 5	16 11	22 32	22 41	10 47	9 54	5 58
S 27	4 50	5 55	4 44	3 59	0 47	6 22	0 57	17 34	2 59	13 54	1 20	13 47	1 26	13 7	0 43	22 19	1 5	18 4	16 11	22 31	22 41	10 45	9 53	5 58
S 28	5 13	11 7	4 8	4 58	0 37	6 52	0 55	17 32	2 57	13 52	1 20	13 45	1 26	13 6	0 43	22 19	1 5	18 4	16 11	22 30	22 40	10 43	9 52	5 58
M29	5 36	15 36	3 17	5 56	0 27	7 22	0 53	17 29	2 54	13 50	1 20	13 44	1 26	13 5	0 43	22 19	1 5	18 3	16 12	22 29	22 40	10 40	9 51	5 59
T 30	5 58	19 4	2 15	6 54	0 17	7 52	0 51	17 25	2 52	13 48	1 21	13 42	1 27	13 4	0 43	22 19	1 5	18 3	16 12	22 28	22 40	10 38	9 49	5 59
W31	6n21	21s23	1s 8	7n53	0s 6	8n21	0s49	17n22	2n49	13s46	1n21	13s40	1s27	13s 4	0s43	22n19	1s 5	18s 2	16s12	22s28	22s39	10s35	9s48	5n59

Julian Day Number = 2115952.5, Delta T = 18m45s
Ecliptic obliquity = 23°33'29, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°55'54, Lahiri = 11°02'54 Julian Calendar 1 March 1081 == Greg. Calendar 7 March 1081

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1081
geocentric

APRIL 1081 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 0 47	17♈ 2'40	13♐12	22♈25	24♈35	20♌39	10°R23	27♒52	27♒36	23♊37	21♓56	12°D54	14♐28	19♒41	18♒ 4	T 1
F 2	13 4 44	18° 1'07	25°50	24°33	25°49	20°44	10♏17	27°57	27°38	23°38	21°58	12♐55	14°25	19°47	18° 7	F 2
S 3	13 8 40	18°59'33	8♑10	26°39	27° 3	20°49	10°10	28° 3	27°41	23°39	21°59	12°56	14°22	19°54	18° 9	S 3
S 4	13 12 37	19°57'56	20°14	28°45	28°17	20°55	10° 3	28° 8	27°43	23°40	22° 0	12°R56	14°18	20° 1	18°12	S 4
M 5	13 16 33	20°56'18	2♒ 9	0♉49	29°31	21° 1	9°57	28°14	27°46	23°42	22° 2	12°55	14°15	20° 8	18°14	M 5
T 6	13 20 30	21°54'39	14° 1	2°52	0♉45	21° 9	9°50	28°19	27°48	23°43	22° 3	12°53	14°12	20°14	18°17	T 6
W 7	13 24 27	22°52'57	25°52	4°53	1°59	21°16	9°43	28°24	27°50	23°44	22° 4	12°48	14° 9	20°21	18°19	W 7
T 8	13 28 23	23°51'14	7♓48	6°51	3°13	21°25	9°36	28°29	27°53	23°45	22° 6	12°41	14° 6	20°28	18°22	T 8
F 9	13 32 20	24°49'30	19°52	8°48	4°26	21°34	9°29	28°35	27°55	23°47	22° 7	12°33	14° 3	20°34	18°24	F 9
S 10	13 36 16	25°47'44	2♈ 7	10°41	5°40	21°43	9°21	28°40	27°57	23°48	22° 8	12°25	13°59	20°41	18°26	S 10
S 11	13 40 13	26°45'56	14°33	12°32	6°54	21°54	9°14	28°45	27°59	23°49	22°10	12°16	13°56	20°48	18°28	S 11
M12	13 44 9	27°44'06	27°12	14°19	8° 8	22° 4	9° 7	28°50	28° 1	23°51	22°11	12° 9	13°53	20°54	18°30	M12
T 13	13 48 6	28°42'15	10♉ 4	16° 4	9°22	22°16	8°59	28°55	28° 4	23°52	22°12	12° 3	13°50	21° 1	18°33	T 13
W14	13 52 2	29°40'22	23° 8	17°44	10°36	22°28	8°52	28°59	28° 6	23°54	22°13	11°59	13°47	21° 8	18°35	W14
T 15	13 55 59	0♉38'27	6♊25	19°21	11°50	22°40	8°45	29° 4	28° 8	23°55	22°15	11°D58	13°44	21°15	18°37	T 15
F 16	13 59 56	1°36'30	19°52	20°55	13° 3	22°53	8°37	29° 9	28°10	23°57	22°16	11°58	13°40	21°21	18°39	F 16
S 17	14 3 52	2°34'32	3♋32	22°25	14°17	23° 7	8°29	29°13	28°12	23°58	22°17	11°59	13°37	21°28	18°40	S 17
S 18	14 7 49	3°32'31	17°22	23°50	15°31	23°21	8°22	29°18	28°13	24° 0	22°18	12° 1	13°34	21°35	18°42	S 18
M19	14 11 45	4°30'29	1♌23	25°12	16°45	23°36	8°14	29°22	28°15	24° 1	22°19	12°R 1	13°31	21°41	18°44	M19
T 20	14 15 42	5°28'25	15°34	26°30	17°58	23°51	8° 7	29°27	28°17	24° 3	22°21	12° 1	13°28	21°48	18°46	T 20
W21	14 19 38	6°26'18	29°53	27°43	19°12	24° 6	7°59	29°31	28°19	24° 4	22°22	11°59	13°24	21°55	18°47	W21
T 22	14 23 35	7°24'10	14♍17	28°53	20°26	24°22	7°51	29°35	28°21	24° 6	22°23	11°56	13°21	22° 2	18°49	T 22
F 23	14 27 31	8°22'00	28°42	29°58	21°39	24°39	7°44	29°39	28°22	24° 8	22°24	11°51	13°18	22° 8	18°51	F 23
S 24	14 31 28	9°19'48	13♎ 3	0♊59	22°53	24°56	7°36	29°43	28°24	24° 9	22°25	11°46	13°15	22°15	18°52	S 24
S 25	14 35 24	10°17'35	27°14	1°56	24° 7	25°13	7°29	29°47	28°25	24°11	22°26	11°42	13°12	22°22	18°53	S 25
M26	14 39 21	11°15'20	11♏11	2°48	25°20	25°31	7°21	29°51	28°27	24°13	22°27	11°38	13° 9	22°28	18°55	M26
T 27	14 43 18	12°13'04	24°49	3°36	26°34	25°49	7°13	29°55	28°29	24°15	22°28	11°36	13° 5	22°35	18°56	T 27
W28	14 47 14	13°10'46	8♐ 7	4°19	27°47	26° 8	7° 6	29°58	28°30	24°16	22°29	11°D35	13° 2	22°42	18°57	W28
T 29	14 51 11	14° 8'28	21° 4	4°57	29° 1	26°27	6°58	0♓ 2	28°31	24°18	22°30	11°35	12°59	22°49	18°59	T 29
F 30	14 55 7	15♉ 6'08	3♑42	5♊31	0♊14	26♌47	6♏51	0♓ 6	28♒33	24♊20	22♓31	11♐36	12♐56	22♒55	19♒ 0	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n44	22s28	0n 2	8n50	0n 5	8n50	0s47	17n18	2n47	13s44	1n21	13s38	1s27	13s 3	0s43	22n19	1s 5	18s 2	16s12	22s27	22s39	10s33	9s47	5n59
F 2	7 6	22 21	1 9	9 48	0 15	9 19	0 45	17 15	2 44	13 42	1 21	13 36	1 27	13 2	0 44	22 19	1 5	18 2	16 12	22 28	22 39	10 31	9 46	6 0
S 3	7 28	21 7	2 11	10 44	0 26	9 48	0 43	17 11	2 42	13 40	1 21	13 35	1 27	13 1	0 44	22 19	1 5	18 1	16 12	22 28	22 38	10 28	9 45	6 0
S 4	7 51	18 57	3 7	11 40	0 37	10 16	0 41	17 6	2 39	13 38	1 21	13 33	1 27	13 0	0 44	22 19	1 5	18 1	16 13	22 28	22 38	10 26	9 44	6 0
M 5	8 13	15 59	3 53	12 34	0 48	10 45	0 39	17 2	2 37	13 35	1 21	13 31	1 28	12 59	0 44	22 20	1 5	18 0	16 13	22 28	22 37	10 23	9 43	6 1
T 6	8 35	12 24	4 29	13 27	0 59	11 13	0 37	16 58	2 34	13 33	1 21	13 29	1 28	12 59	0 44	22 20	1 5	18 0	16 13	22 27	22 37	10 21	9 42	6 1
W 7	8 56	8 21	4 54	14 18	1 9	11 41	0 35	16 53	2 32	13 31	1 21	13 28	1 28	12 58	0 44	22 20	1 5	18 0	16 13	22 27	22 37	10 18	9 41	6 1
T 8	9 18	3 57	5 6	15 7	1 19	12 8	0 33	16 48	2 30	13 29	1 21	13 26	1 28	12 57	0 44	22 20	1 5	17 59	16 13	22 26	22 36	10 16	9 40	6 2
F 9	9 40	0n38	5 4	15 54	1 29	12 35	0 30	16 43	2 27	13 27	1 21	13 24	1 28	12 56	0 44	22 20	1 5	17 59	16 13	22 25	22 36	10 14	9 39	6 2
S 10	10 1	5 16	4 49	16 39	1 38	13 2	0 28	16 37	2 25	13 24	1 21	13 23	1 29	12 56	0 44	22 20	1 5	17 59	16 14	22 24	22 36	10 11	9 38	6 2
S 11	10 22	9 45	4 20	17 22	1 47	13 29	0 26	16 32	2 23	13 22	1 21	13 21	1 29	12 55	0 44	22 20	1 5	17 58	16 14	22 23	22 35	10 9	9 37	6 2
M12	10 43	13 55	3 38	18 3	1 55	13 55	0 23	16 26	2 20	13 20	1 21	13 20	1 29	12 54	0 44	22 20	1 5	17 58	16 14	22 22	22 35	10 6	9 36	6 3
T 13	11 4	17 30	2 44	18 41	2 2	14 21	0 21	16 20	2 18	13 17	1 21	13 18	1 29	12 54	0 44	22 20	1 5	17 58	16 14	22 21	22 34	10 4	9 35	6 3
W14	11 25	20 16	1 40	19 16	2 9	14 47	0 19	16 14	2 16	13 15	1 21	13 17	1 29	12 53	0 44	22 20	1 5	17 57	16 14	22 20	22 34	10 1	9 34	6 3
T 15	11 45	21 59	0 30	19 49	2 15	15 12	0 16	16 8	2 14	13 13	1 21	13 15	1 29	12 52	0 44	22 21	1 5	17 57	16 15	22 20	22 34	9 59	9 33	6 4
F 16	12 5	22 27	0s43	20 20	2 21	15 37	0 14	16 1	2 12	13 10	1 21	13 14	1 30	12 52	0 44	22 21	1 4	17 57	16 15	22 20	22 33	9 56	9 32	6 4
S 17	12 26	21 36	1 54	20 48	2 25	16 1	0 12	15 55	2 9	13 8	1 21	13 12	1 30	12 51	0 44	22 21	1 4	17 57	16 15	22 20	22 33	9 54	9 31	6 4
S 18	12 45	19 26	3 0	21 13	2 29	16 25	0 9	15 48	2 7	13 6	1 21	13 11	1 30	12 50	0 44	22 21	1 4	17 56	16 15	22 21	22 32	9 52	9 30	6 5
M19	13 5	16 6	3 56	21 36	2 31	16 49	0 7	15 41	2 5	13 3	1 21	13 9	1 30	12 50	0 44	22 21	1 4	17 56	16 16	22 21	22 32	9 49	9 30	6 5
T 20	13 25	11 48	4 39	21 57	2 33	17 12	0 4	15 34	2 3	13 1	1 20	13 8	1 30	12 49	0 44	22 21	1 4	17 56	16 16	22 21	22 32	9 47	9 29	6 5
W21	13 44	6 49	5 4	22 15	2 34	17 35	0 2	15 27	2 1	12 58	1 20	13 7	1 31	12 48	0 44	22 21	1 4	17 56	16 16	22 20	22 31	9 44	9 28	6 6
T 22	14 3	1 26	5 11	22 31	2 34	17 57	0n 1	15 20	1 59	12 56	1 20	13 5	1 31	12 48	0 44	22 21	1 4	17 55	16 16	22 20	22 31	9 42	9 27	6 6
F 23	14 22	4s 2	4 58	22 44	2 33	18 19	0 3	15 12	1 57	12 54	1 20	13 4	1 31	12 47	0 44	22 21	1 4	17 55	16 17	22 19	22 31	9 39	9 26	6 7
S 24	14 40	9 16	4 26	22 56	2 31	18 41	0 6	15 5	1 55	12 51	1 20	13 3	1 31	12 47	0 44	22 22	1 4	17 55	16 17	22 19	22 30	9 37	9 26	6 7
S 25	14 59	13 56	3 39	23 5	2 29	19 1	0 8	14 57	1 53	12 49	1 20	13 2	1 31	12 46	0 44	22 22	1 4	17 55	16 17	22 18	22 30	9 34	9 25	6 7
M26	15 17	17 46	2 39	23 11	2 25	19 22	0 11	14 49	1 51	12 46	1 20	13 1	1 32	12 46	0 44	22 22	1 4	17 55	16 17	22 17	22 29	9 32	9 24	6 8
T 27	15 35	20 32	1 30	23 16	2 20	19 42	0 13	14 41	1 49	12 44	1 20	12 59	1 32	12 45	0 44	22 22	1 4	17 54	16 18	22 17	22 29	9 30	9 23	6 8
W28	15 52	22 5	0 19	23 19	2 14	20 1	0 16	14 33	1 47	12 42	1 20	12 58	1 32	12 45	0 44	22 22	1 4	17 54	16 18	22 17	22 29	9 27	9 23	6 8
T 29	16 10	22 24	0n52	23 19	2 7	20 20	0 18	14 24	1 45	12 39	1 20	12 57	1 32	12 44	0 44	22 22	1 4	17 54	16 18	22 17	22 28	9 25	9 22	6 9
F 30	16n27	21s32	1n58	23n18	2n 0	20n38	0n21	14n16	1n43	12s37	1n20	12s56	1s32	12s44	0s44	22n22	1s 4	17s54	16s19	22s17	22s28	9s22	9s21	6n 9

Julian Day Number = 2115983.5, Delta T = 18m45s
Ecliptic obliquity = 23°33'28, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°55'58, Lahiri = 11°02'58 Julian Calendar 1 Apr. 1081 == Greg. Calendar 7 Apr. 1081

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1081
geocentric

MAY 1081 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 59 4	16♉ 3'47	16♊ 2	6♊ 1	1♊28	27♌ 7	6°R43	0♓ 9	28♒34	24♊22	22♓32	11♐38	12♐53	23♒ 2	19♒ 1	S 1
S 2	15 3 0	17° 1'24	28° 9	6°25	2°41	27°27	6♏36	0°12	28°35	24°24	22°33	11°39	12°50	23° 9	19° 2	S 2
M 3	15 6 57	17°59'01	10♒ 6	6°45	3°55	27°48	6°28	0°16	28°37	24°25	22°34	11°40	12°46	23°15	19° 3	M 3
T 4	15 10 54	18°56'37	21°59	7° 0	5° 8	28° 9	6°21	0°19	28°38	24°27	22°35	11°R41	12°43	23°22	19° 3	T 4
W 5	15 14 50	19°54'11	3♓53	7°10	6°22	28°30	6°14	0°22	28°39	24°29	22°36	11°40	12°40	23°29	19° 4	W 5
T 6	15 18 47	20°51'45	15°51	7°15	7°35	28°52	6° 7	0°25	28°40	24°31	22°37	11°38	12°37	23°36	19° 5	T 6
F 7	15 22 43	21°49'18	27°59	7°R16	8°48	29°14	5°59	0°28	28°41	24°33	22°38	11°36	12°34	23°42	19° 6	F 7
S 8	15 26 40	22°46'50	10♈18	7°12	10° 2	29°36	5°52	0°31	28°42	24°35	22°39	11°33	12°30	23°49	19° 6	S 8
S 9	15 30 36	23°44'20	22°53	7° 4	11°15	29°59	5°45	0°34	28°43	24°37	22°39	11°30	12°27	23°56	19° 7	S 9
M10	15 34 33	24°41'50	5♉45	6°51	12°28	0♍22	5°38	0°36	28°44	24°39	22°40	11°28	12°24	24° 2	19° 7	M10
T 11	15 38 29	25°39'19	18°54	6°35	13°42	0°46	5°32	0°39	28°45	24°41	22°41	11°26	12°21	24° 9	19° 8	T 11
W12	15 42 26	26°36'47	2♊20	6°15	14°55	1° 9	5°25	0°41	28°46	24°43	22°42	11°25	12°18	24°16	19° 8	W12
T 13	15 46 22	27°34'14	16° 1	5°51	16° 8	1°33	5°18	0°44	28°46	24°45	22°43	11°D25	12°15	24°23	19° 9	T 13
F 14	15 50 19	28°31'40	29°55	5°25	17°22	1°58	5°12	0°46	28°47	24°47	22°43	11°26	12°11	24°29	19° 9	F 14
S 15	15 54 16	29°29'05	13♋58	4°56	18°35	2°23	5° 5	0°48	28°48	24°49	22°44	11°27	12° 8	24°36	19° 9	S 15
S 16	15 58 12	0♊26'29	28° 8	4°25	19°48	2°48	4°59	0°50	28°48	24°51	22°45	11°28	12° 5	24°43	19° 9	S 16
M17	16 2 9	1°23'51	12♌23	3°53	21° 1	3°13	4°53	0°52	28°49	24°53	22°45	11°28	12° 2	24°50	19° 9	M17
T 18	16 6 5	2°21'13	26°38	3°20	22°14	3°38	4°47	0°54	28°49	24°55	22°46	11°R29	11°59	24°56	19°R 9	T 18
W19	16 10 2	3°18'33	10♍52	2°46	23°27	4° 4	4°41	0°56	28°50	24°57	22°47	11°29	11°55	25° 3	19° 9	W19
T 20	16 13 58	4°15'52	25° 1	2°13	24°41	4°30	4°35	0°58	28°50	24°59	22°47	11°28	11°52	25°10	19° 9	T 20
F 21	16 17 55	5°13'10	9♎ 4	1°40	25°54	4°57	4°29	0°59	28°51	25° 2	22°48	11°28	11°49	25°16	19° 9	F 21
S 22	16 21 52	6°10'27	22°58	1° 9	27° 7	5°23	4°23	1° 1	28°51	25° 4	22°49	11°27	11°46	25°23	19° 9	S 22
S 23	16 25 48	7° 7'43	6♏42	0°40	28°20	5°50	4°18	1° 2	28°51	25° 6	22°49	11°27	11°43	25°30	19° 8	S 23
M24	16 29 45	8° 4'58	20°12	0°13	29°33	6°17	4°13	1° 4	28°52	25° 8	22°50	11°26	11°40	25°37	19° 8	M24
T 25	16 33 41	9° 2'12	3♐28	29♉49	0♋46	6°45	4° 8	1° 5	28°52	25°10	22°50	11°26	11°36	25°43	19° 8	T 25
W26	16 37 38	9°59'26	16°28	29°28	1°59	7°13	4° 3	1° 6	28°52	25°12	22°51	11°D26	11°33	25°50	19° 7	W26
T 27	16 41 34	10°56'40	29°13	29°11	3°12	7°40	3°58	1° 7	28°52	25°14	22°51	11°26	11°30	25°57	19° 7	T 27
F 28	16 45 31	11°53'53	11♑42	28°57	4°25	8° 8	3°53	1° 8	28°R52	25°17	22°52	11°R26	11°27	26° 3	19° 6	F 28
S 29	16 49 27	12°51'05	23°59	28°48	5°38	8°37	3°48	1° 9	28°52	25°19	22°52	11°26	11°24	26°10	19° 5	S 29
S 30	16 53 24	13°48'17	6♒ 4	28°43	6°50	9° 5	3°44	1° 9	28°52	25°21	22°52	11°26	11°21	26°17	19° 5	S 30
M31	16 57 21	14♊45'29	18♒ 2	28°D43	8♋ 3	9♍34	3♏40	1♓10	28♒52	25♊23	22♓53	11♐25	11♐17	26♒24	19♒ 4	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	16n44	19s39	2n58	23n14	1n51	20n56	0n23	14n 7	1n41	12s35	1n19	12s55	1s33	12s43	0s44	22n22	1s 4	17s54	16s19	22s17	22s27	9s20	9s21	6n 9	S 1
S 2	17 0	16 54	3 48	23 9	1 41	21 13	0 25	13 58	1 39	12 32	1 19	12 54	1 33	12 43	0 45	22 22	1 4	17 54	16 19	22 18	22 27	9 17	9 20	6 10	S 2
M 3	17 16	13 29	4 28	23 2	1 30	21 30	0 28	13 49	1 38	12 30	1 19	12 53	1 33	12 43	0 45	22 23	1 4	17 54	16 19	22 18	22 26	9 15	9 19	6 10	M 3
T 4	17 32	9 34	4 56	22 53	1 19	21 46	0 30	13 40	1 36	12 28	1 19	12 52	1 33	12 42	0 45	22 23	1 4	17 54	16 20	22 18	22 26	9 12	9 19	6 10	T 4
W 5	17 48	5 17	5 12	22 42	1 6	22 1	0 33	13 31	1 34	12 25	1 19	12 51	1 34	12 42	0 45	22 23	1 4	17 53	16 20	22 18	22 26	9 10	9 18	6 11	W 5
T 6	18 4	0 47	5 14	22 30	0 53	22 16	0 35	13 22	1 32	12 23	1 19	12 50	1 34	12 42	0 45	22 23	1 4	17 53	16 20	22 17	22 25	9 8	9 17	6 11	T 6
F 7	18 19	3n48	5 2	22 16	0 38	22 30	0 38	13 13	1 30	12 21	1 19	12 50	1 34	12 41	0 45	22 23	1 4	17 53	16 21	22 17	22 25	9 5	9 17	6 12	F 7
S 8	18 33	8 20	4 36	22 0	0 23	22 43	0 40	13 3	1 29	12 19	1 18	12 49	1 34	12 41	0 45	22 23	1 4	17 53	16 21	22 17	22 24	9 3	9 16	6 12	S 8
S 9	18 48	12 36	3 57	21 43	0 8	22 56	0 42	12 53	1 27	12 17	1 18	12 48	1 34	12 41	0 45	22 23	1 4	17 53	16 21	22 16	22 24	9 0	9 16	6 12	S 9
M10	19 2	16 24	3 4	21 25	0s 8	23 8	0 45	12 43	1 25	12 14	1 18	12 47	1 35	12 40	0 45	22 23	1 4	17 53	16 22	22 16	22 24	8 58	9 15	6 13	M10
T 11	19 16	19 28	2 1	21 6	0 25	23 20	0 47	12 33	1 23	12 12	1 18	12 47	1 35	12 40	0 45	22 23	1 4	17 53	16 22	22 16	22 23	8 55	9 15	6 13	T 11
W12	19 30	21 33	0 50	20 46	0 42	23 31	0 49	12 23	1 22	12 10	1 18	12 46	1 35	12 40	0 45	22 23	1 4	17 53	16 22	22 16	22 23	8 53	9 14	6 13	W12
T 13	19 43	22 24	0s25	20 25	0 59	23 41	0 52	12 13	1 20	12 8	1 18	12 45	1 35	12 40	0 45	22 24	1 4	17 53	16 23	22 16	22 22	8 50	9 14	6 14	T 13
F 14	19 56	21 53	1 41	20 3	1 17	23 51	0 54	12 3	1 19	12 6	1 17	12 45	1 36	12 39	0 45	22 24	1 4	17 53	16 23	22 16	22 22	8 48	9 13	6 14	F 14
S 15	20 8	20 0	2 50	19 41	1 34	24 0	0 56	11 52	1 17	12 4	1 17	12 44	1 36	12 39	0 45	22 24	1 4	17 53	16 23	22 16	22 22	8 45	9 13	6 15	S 15
S 16	20 21	16 52	3 51	19 19	1 51	24 8	0 58	11 42	1 15	12 2	1 17	12 44	1 36	12 39	0 45	22 24	1 4	17 53	16 24	22 16	22 21	8 43	9 13	6 15	S 16
M17	20 33	12 45	4 37	18 56	2 8	24 15	1 0	11 31	1 14	12 0	1 17	12 43	1 36	12 39	0 45	22 24	1 4	17 53	16 24	22 16	22 21	8 41	9 12	6 15	M17
T 18	20 44	7 54	5 6	18 34	2 24	24 22	1 2	11 20	1 12	11 58	1 17	12 43	1 36	12 39	0 45	22 24	1 3	17 53	16 24	22 16	22 20	8 38	9 12	6 16	T 18
W19	20 55	2 39	5 17	18 13	2 39	24 28	1 4	11 10	1 11	11 57	1 16	12 42	1 37	12 39	0 45	22 24	1 3	17 53	16 25	22 16	22 20	8 36	9 12	6 16	W19
T 20	21 6	2s43	5 8	17 52	2 54	24 33	1 6	10 59	1 9	11 55	1 16	12 42	1 37	12 38	0 45	22 24	1 3	17 53	16 25	22 16	22 19	8 33	9 11	6 16	T 20
F 21	21 17	7 54	4 41	17 32	3 7	24 38	1 8	10 47	1 7	11 53	1 16	12 41	1 37	12 38	0 45	22 24	1 3	17 54	16 25	22 16	22 19	8 31	9 11	6 17	F 21
S 22	21 27	12 39	3 57	17 14	3 20	24 42	1 10	10 36	1 6	11 52	1 16	12 41	1 37	12 38	0 45	22 25	1 3	17 54	16 26	22 16	22 19	8 28	9 11	6 17	S 22
S 23	21 36	16 40	3 1	16 57	3 31	24 45	1 12	10 25	1 4	11 50	1 16	12 41	1 38	12 38	0 45	22 25	1 3	17 54	16 26	22 16	22 18	8 26	9 11	6 17	S 23
M24	21 46	19 44	1 55	16 41	3 42	24 47	1 14	10 13	1 3	11 48	1 15	12 40	1 38	12 38	0 45	22 25	1 3	17 54	16 26	22 16	22 18	8 23	9 10	6 18	M24
T 25	21 55	21 40	0 44	16 27	3 50	24 49	1 16	10 2	1 2	11 47	1 15	12 40	1 38	12 38	0 45	22 25	1 3	17 54	16 27	22 16	22 17	8 21	9 10	6 18	T 25
W26	22 3	22 24	0n28	16 16	3 58	24 50	1 18	9 50	1 0	11 45	1 15	12 40	1 38	12 38	0 45	22 25	1 3	17 54	16 27	22 16	22 17	8 18	9 10	6 19	W26
T 27	22 12	21 56	1 37	16 6	4 4	24 50	1 19	9 38	0 59	11 44	1 15	12 40	1 39	12 38	0 46	22 25	1 3	17 54	16 28	22 16	22 16	8 16	9 10	6 19	T 27
F 28	22 20	20 23	2 40	15 58	4 9	24 50	1 21	9 26	0 57	11 42	1 14	12 40	1 39	12 38	0 46	22 25	1 3	17 54	16 28	22 16	22 16	8 13	9 10	6 19	F 28
S 29	22 27	17 54	3 35	15 53	4 13	24 49	1 23	9 14	0 56	11 41	1 14	12 40	1 39	12 38	0 46	22 25	1 3	17 55	16 28	22 16	22 15	8 11	9 9	6 20	S 29
S 30	22 34	14 40	4 19	15 49	4 15	24 47	1 24	9 2	0 54	11 40	1 14	12 40	1 39	12 38	0 46	22 25	1 3	17 55	16 29	22 16	22 15	8 9	9 9	6 20	S 30
M31	22n41	10s53	4n51	15n48	4s16	24n44	1n26	8n50	0n53	11s39	1n14	12s40	1s40	12s38	0s46	22n25	1s 3	17s55	16s29	22s16	22s15	8s 6	9s 9	6n20	M31

Julian Day Number = 2116013.5, Delta T = 18m45s
Ecliptic obliquity = 23°33'27, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°56'02, Lahiri = 11°03'02 Julian Calendar 1 May 1081 == Greg. Calendar 7 May 1081

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1081
geocentric

JUNE 1081 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 1 17	15♊42'41	29♒56	28♉47	9♋16	10♍ 3	3°R35	1♓11	28°R52	25♊25	22♓53	11°R25	11♐14	26♒30	19°R 3	T 1
W 2	17 5 14	16°39'52	11♓49	28°55	10°29	10°32	3♏31	1°11	28♒51	25°28	22°53	11°D25	11°11	26°37	19♒ 2	W 2
T 3	17 9 10	17°37'04	23°48	29° 9	11°42	11° 2	3°28	1°11	28°51	25°30	22°54	11♐25	11° 8	26°44	19° 1	T 3
F 4	17 13 7	18°34'15	5♈55	29°27	12°55	11°32	3°24	1°12	28°51	25°32	22°54	11°25	11° 5	26°50	19° 0	F 4
S 5	17 17 3	19°31'26	18°16	29°50	14° 7	12° 1	3°21	1°12	28°51	25°34	22°54	11°26	11° 1	26°57	18°59	S 5
S 6	17 21 0	20°28'38	0♉54	0♊18	15°20	12°31	3°17	1°R12	28°50	25°36	22°55	11°27	10°58	27° 4	18°58	S 6
M 7	17 24 56	21°25'49	13°53	0°50	16°33	13° 2	3°14	1°12	28°50	25°39	22°55	11°27	10°55	27°11	18°57	M 7
T 8	17 28 53	22°23'00	27°13	1°27	17°45	13°32	3°11	1°12	28°49	25°41	22°55	11°28	10°52	27°17	18°55	T 8
W 9	17 32 50	23°20'12	10♊56	2° 8	18°58	14° 3	3° 8	1°11	28°49	25°43	22°55	11°R28	10°49	27°24	18°54	W 9
T 10	17 36 46	24°17'23	24°58	2°54	20°11	14°34	3° 6	1°11	28°48	25°45	22°55	11°28	10°46	27°31	18°53	T 10
F 11	17 40 43	25°14'34	9♋18	3°44	21°23	15° 5	3° 3	1°10	28°47	25°48	22°56	11°27	10°42	27°37	18°51	F 11
S 12	17 44 39	26°11'45	23°49	4°39	22°36	15°36	3° 1	1°10	28°47	25°50	22°56	11°26	10°39	27°44	18°50	S 12
S 13	17 48 36	27° 8'56	8♌25	5°38	23°49	16° 7	2°59	1° 9	28°46	25°52	22°56	11°24	10°36	27°51	18°48	S 13
M14	17 52 32	28° 6'07	23° 1	6°41	25° 1	16°39	2°57	1° 8	28°45	25°54	22°56	11°22	10°33	27°58	18°47	M14
T 15	17 56 29	29° 3'17	7♍31	7°49	26°14	17°11	2°55	1° 8	28°44	25°57	22°56	11°20	10°30	28° 4	18°45	T 15
W16	18 0 25	0♋ 0'27	21°50	9° 0	27°26	17°43	2°54	1° 7	28°44	25°59	22°56	11°19	10°27	28°11	18°43	W16
T 17	18 4 22	0°57'37	5♎55	10°16	28°38	18°15	2°52	1° 6	28°43	26° 1	22°R56	11°D19	10°23	28°18	18°42	T 17
F 18	18 8 19	1°54'46	19°45	11°36	29°51	18°47	2°51	1° 4	28°42	26° 3	22°56	11°20	10°20	28°25	18°40	F 18
S 19	18 12 15	2°51'56	3♏21	12°59	1♌ 3	19°20	2°50	1° 3	28°41	26° 6	22°56	11°21	10°17	28°31	18°38	S 19
S 20	18 16 12	3°49'05	16°41	14°27	2°16	19°52	2°49	1° 2	28°40	26° 8	22°56	11°23	10°14	28°38	18°36	S 20
M21	18 20 8	4°46'15	29°47	15°58	3°28	20°25	2°49	1° 0	28°39	26°10	22°56	11°24	10°11	28°45	18°34	M21
T 22	18 24 5	5°43'25	12♐40	17°33	4°40	20°58	2°48	0°59	28°37	26°12	22°56	11°R24	10° 7	28°51	18°32	T 22
W23	18 28 1	6°40'35	25°20	19°12	5°52	21°31	2°48	0°57	28°36	26°14	22°56	11°24	10° 4	28°58	18°30	W23
T 24	18 31 58	7°37'45	7♑49	20°54	7° 5	22° 5	2°D48	0°55	28°35	26°17	22°55	11°22	10° 1	29° 5	18°28	T 24
F 25	18 35 54	8°34'56	20° 8	22°40	8°17	22°38	2°48	0°54	28°34	26°19	22°55	11°18	9°58	29°12	18°26	F 25
S 26	18 39 51	9°32'07	2♒17	24°29	9°29	23°12	2°48	0°52	28°33	26°21	22°55	11°14	9°55	29°18	18°24	S 26
S 27	18 43 48	10°29'18	14°18	26°21	10°41	23°45	2°49	0°50	28°31	26°23	22°55	11° 9	9°52	29°25	18°22	S 27
M28	18 47 44	11°26'30	26°13	28°16	11°53	24°19	2°49	0°48	28°30	26°25	22°55	11° 4	9°48	29°32	18°19	M28
T 29	18 51 41	12°23'43	8♓ 6	0♋13	13° 5	24°53	2°50	0°45	28°29	26°27	22°54	11° 0	9°45	29°38	18°17	T 29
W30	18 55 37	13♋20'56	19♓59	2♋12	14♌17	25♍27	2♏51	0♓43	28♒27	26♊30	22♓54	10♐56	9♐42	29♒45	18♒15	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n47	6s42	5n11	15n49	4s16	24n41	1n27	8n38	0n52	11s37	1n13	12s40	1s40	12s38	0s46	22n25	1s 3	17s55	16s29	22s16	22s14	8s 4	9s 9	6n21
W 2	22 53	2 17	5 17	15 53	4 14	24 37	1 28	8 26	0 50	11 36	1 13	12 40	1 40	12 39	0 46	22 26	1 3	17 55	16 30	22 16	22 14	8 1	9 9	6 21
T 3	22 59	2n15	5 9	15 58	4 12	24 32	1 30	8 13	0 49	11 35	1 13	12 40	1 40	12 39	0 46	22 26	1 3	17 55	16 30	22 16	22 13	7 59	9 9	6 21
F 4	23 4	6 46	4 48	16 5	4 8	24 26	1 31	8 1	0 48	11 34	1 13	12 40	1 40	12 39	0 46	22 26	1 3	17 56	16 30	22 16	22 13	7 56	9 9	6 22
S 5	23 9	11 6	4 14	16 15	4 4	24 20	1 32	7 48	0 46	11 33	1 12	12 40	1 41	12 39	0 46	22 26	1 3	17 56	16 31	22 16	22 12	7 54	9 9	6 22
S 6	23 13	15 4	3 26	16 26	3 58	24 13	1 33	7 35	0 45	11 32	1 12	12 40	1 41	12 39	0 46	22 26	1 3	17 56	16 31	22 16	22 12	7 51	9 9	6 22
M 7	23 17	18 25	2 27	16 38	3 52	24 5	1 34	7 22	0 44	11 32	1 12	12 41	1 41	12 39	0 46	22 26	1 3	17 56	16 32	22 16	22 12	7 49	9 9	6 23
T 8	23 20	20 54	1 18	16 53	3 45	23 57	1 35	7 9	0 42	11 31	1 12	12 41	1 41	12 40	0 46	22 26	1 3	17 57	16 32	22 16	22 11	7 46	9 9	6 23
W 9	23 23	22 15	0 3	17 9	3 37	23 48	1 36	6 56	0 41	11 30	1 11	12 41	1 42	12 40	0 46	22 26	1 3	17 57	16 32	22 16	22 11	7 44	9 9	6 23
T 10	23 26	22 14	1s14	17 26	3 28	23 38	1 37	6 43	0 40	11 30	1 11	12 42	1 42	12 40	0 46	22 26	1 3	17 57	16 33	22 16	22 10	7 41	9 9	6 24
F 11	23 28	20 46	2 28	17 45	3 19	23 28	1 38	6 30	0 38	11 29	1 11	12 42	1 42	12 40	0 46	22 26	1 3	17 57	16 33	22 16	22 10	7 39	9 10	6 24
S 12	23 30	17 57	3 33	18 4	3 9	23 16	1 39	6 17	0 37	11 28	1 11	12 42	1 42	12 41	0 46	22 26	1 3	17 58	16 33	22 16	22 9	7 36	9 10	6 24
S 13	23 32	13 59	4 25	18 25	2 59	23 5	1 39	6 3	0 36	11 28	1 10	12 43	1 43	12 41	0 46	22 26	1 3	17 58	16 34	22 16	22 9	7 34	9 10	6 24
M14	23 33	9 12	4 59	18 47	2 48	22 52	1 40	5 50	0 35	11 28	1 10	12 43	1 43	12 41	0 46	22 27	1 3	17 58	16 34	22 15	22 8	7 32	9 10	6 25
T 15	23 33	3 56	5 15	19 9	2 36	22 39	1 40	5 36	0 34	11 27	1 10	12 44	1 43	12 41	0 46	22 27	1 3	17 59	16 35	22 15	22 8	7 29	9 10	6 25
W16	23 33	1s29	5 10	19 32	2 25	22 25	1 41	5 22	0 32	11 27	1 9	12 44	1 43	12 42	0 46	22 27	1 3	17 59	16 35	22 15	22 7	7 27	9 11	6 25
T 17	23 33	6 45	4 47	19 55	2 13	22 11	1 41	5 9	0 31	11 27	1 9	12 45	1 44	12 42	0 46	22 27	1 3	17 59	16 35	22 15	22 7	7 24	9 11	6 26
F 18	23 33	11 34	4 7	20 18	2 0	21 56	1 42	4 55	0 30	11 27	1 9	12 46	1 44	12 43	0 46	22 27	1 3	18 0	16 36	22 15	22 7	7 22	9 11	6 26
S 19	23 32	15 44	3 14	20 41	1 48	21 41	1 42	4 41	0 29	11 27	1 9	12 46	1 44	12 43	0 46	22 27	1 3	18 0	16 36	22 15	22 6	7 19	9 11	6 26
S 20	23 30	19 1	2 12	21 4	1 35	21 24	1 42	4 27	0 28	11 26	1 8	12 47	1 44	12 43	0 46	22 27	1 3	18 0	16 36	22 15	22 6	7 17	9 12	6 26
M21	23 28	21 14	1 4	21 27	1 22	21 8	1 42	4 13	0 26	11 27	1 8	12 48	1 44	12 44	0 46	22 27	1 3	18 1	16 37	22 16	22 5	7 14	9 12	6 27
T 22	23 26	22 19	0n 7	21 49	1 9	20 50	1 42	3 59	0 25	11 27	1 8	12 49	1 45	12 44	0 46	22 27	1 3	18 1	16 37	22 16	22 5	7 12	9 12	6 27
W23	23 23	22 13	1 16	22 11	0 56	20 32	1 42	3 45	0 24	11 27	1 8	12 49	1 45	12 45	0 47	22 27	1 3	18 2	16 38	22 15	22 4	7 9	9 13	6 27
T 24	23 20	21 0	2 20	22 31	0 44	20 14	1 42	3 31	0 23	11 27	1 7	12 50	1 45	12 45	0 47	22 27	1 3	18 2	16 38	22 15	22 4	7 7	9 13	6 28
F 25	23 17	18 48	3 16	22 50	0 31	19 55	1 41	3 16	0 22	11 27	1 7	12 51	1 45	12 46	0 47	22 27	1 3	18 2	16 38	22 15	22 3	7 4	9 13	6 28
S 26	23 13	15 48	4 3	23 8	0 19	19 35	1 41	3 2	0 21	11 28	1 7	12 52	1 46	12 46	0 47	22 27	1 3	18 3	16 39	22 14	22 3	7 2	9 14	6 28
S 27	23 8	12 11	4 39	23 24	0 6	19 15	1 41	2 48	0 20	11 28	1 6	12 53	1 46	12 46	0 47	22 27	1 3	18 3	16 39	22 13	22 2	6 59	9 14	6 28
M28	23 4	8 6	5 2	23 38	0n 5	18 55	1 40	2 33	0 19	11 29	1 6	12 54	1 46	12 47	0 47	22 28	1 3	18 4	16 39	22 13	22 2	6 57	9 15	6 28
T 29	22 59	3 45	5 11	23 50	0 17	18 34	1 40	2 19	0 18	11 29	1 6	12 55	1 46	12 48	0 47	22 28	1 3	18 4	16 40	22 12	22 1	6 54	9 15	6 29
W30	22n53	0n44	5n 8	24n 0	0n28	18n12	1n39	2n 4	0n16	11s30	1n 6	12s56	1s46	12s48	0s47	22n28	1s 3	18s 4	16s40	22s12	22s 1	6s52	9s16	6n29

Julian Day Number = 2116044.5, Delta T = 18m44s
Ecliptic obliquity = 23°33'27, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°56'06, Lahiri = 11°03'07 Julian Calendar 1 June 1081 == Greg. Calendar 7 June 1081

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1081
geocentric

JULY 1081 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 59 34	14♋18'10	1♈56	4♋14	15♌29	26♍ 2	2♏52	0°R41	28°R26	26♊32	22°R54	10°R54	9♐39	29♒52	18°R12	T 1
F 2	19 3 30	15°15'25	14° 1	6°17	16°41	26°36	2°54	0♓38	28♒24	26°34	22♓53	10°D53	9°36	29°59	18♒10	F 2
S 3	19 7 27	16°12'41	26°20	8°22	17°53	27°11	2°55	0°36	28°23	26°36	22°53	10♐54	9°33	0♓ 5	18° 8	S 3
S 4	19 11 23	17° 9'58	8♉56	10°28	19° 5	27°46	2°57	0°33	28°21	26°38	22°53	10°55	9°29	0°12	18° 5	S 4
M 5	19 15 20	18° 7'16	21°54	12°34	20°17	28°20	2°59	0°31	28°19	26°40	22°52	10°56	9°26	0°19	18° 2	M 5
T 6	19 19 17	19° 4'35	5♊17	14°41	21°28	28°56	3° 1	0°28	28°18	26°42	22°52	10°R57	9°23	0°26	18° 0	T 6
W 7	19 23 13	20° 1'55	19° 6	16°48	22°40	29°31	3° 3	0°25	28°16	26°45	22°52	10°57	9°20	0°32	17°57	W 7
T 8	19 27 10	20°59'16	3♋22	18°54	23°52	0♎ 6	3° 6	0°22	28°14	26°47	22°51	10°55	9°17	0°39	17°55	T 8
F 9	19 31 6	21°56'37	17°59	21° 1	25° 4	0°41	3° 8	0°19	28°12	26°49	22°51	10°52	9°13	0°46	17°52	F 9
S 10	19 35 3	22°54'00	2♌53	23° 7	26°15	1°17	3°11	0°16	28°11	26°51	22°50	10°47	9°10	0°52	17°49	S 10
S 11	19 38 59	23°51'23	17°54	25°11	27°27	1°53	3°14	0°13	28° 9	26°53	22°50	10°40	9° 7	0°59	17°47	S 11
M12	19 42 56	24°48'47	2♍54	27°15	28°38	2°29	3°17	0°10	28° 7	26°55	22°49	10°34	9° 4	1° 6	17°44	M12
T 13	19 46 53	25°46'12	17°43	29°18	29°50	3° 5	3°20	0° 6	28° 5	26°57	22°49	10°28	9° 1	1°13	17°41	T 13
W14	19 50 49	26°43'37	2♎15	1♌20	1♍ 1	3°41	3°24	0° 3	28° 3	26°59	22°48	10°24	8°58	1°19	17°38	W14
T 15	19 54 46	27°41'03	16°26	3°20	2°13	4°17	3°27	29♒59	28° 1	27° 1	22°47	10°22	8°54	1°26	17°35	T 15
F 16	19 58 42	28°38'30	0♏14	5°19	3°24	4°53	3°31	29°56	27°59	27° 3	22°47	10°D21	8°51	1°33	17°33	F 16
S 17	20 2 39	29°35'58	13°41	7°17	4°35	5°30	3°35	29°52	27°57	27° 5	22°46	10°22	8°48	1°39	17°30	S 17
S 18	20 6 35	0♌33'26	26°47	9°13	5°47	6° 6	3°39	29°49	27°55	27° 7	22°46	10°23	8°45	1°46	17°27	S 18
M19	20 10 32	1°30'56	9♐37	11° 7	6°58	6°43	3°43	29°45	27°53	27° 9	22°45	10°R24	8°42	1°53	17°24	M19
T 20	20 14 28	2°28'26	22°12	13° 1	8° 9	7°20	3°48	29°41	27°51	27°10	22°44	10°23	8°39	2° 0	17°21	T 20
W21	20 18 25	3°25'57	4♑36	14°52	9°20	7°57	3°52	29°37	27°49	27°12	22°44	10°20	8°35	2° 6	17°18	W21
T 22	20 22 22	4°23'29	16°50	16°42	10°31	8°34	3°57	29°34	27°47	27°14	22°43	10°15	8°32	2°13	17°15	T 22
F 23	20 26 18	5°21'03	28°57	18°31	11°42	9°11	4° 2	29°30	27°45	27°16	22°42	10° 8	8°29	2°20	17°12	F 23
S 24	20 30 15	6°18'37	10♒58	20°18	12°53	9°48	4° 7	29°26	27°43	27°18	22°41	9°58	8°26	2°27	17° 9	S 24
S 25	20 34 11	7°16'13	22°54	22° 3	14° 4	10°26	4°12	29°22	27°40	27°20	22°41	9°48	8°23	2°33	17° 6	S 25
M26	20 38 8	8°13'50	4♓48	23°47	15°15	11° 3	4°18	29°17	27°38	27°22	22°40	9°37	8°19	2°40	17° 3	M26
T 27	20 42 4	9°11'29	16°39	25°30	16°26	11°41	4°23	29°13	27°36	27°23	22°39	9°27	8°16	2°47	17° 0	T 27
W28	20 46 1	10° 9'09	28°32	27°11	17°36	12°19	4°29	29° 9	27°34	27°25	22°38	9°18	8°13	2°53	16°57	W28
T 29	20 49 57	11° 6'51	10♈29	28°50	18°47	12°57	4°35	29° 5	27°31	27°27	22°37	9°11	8°10	3° 0	16°54	T 29
F 30	20 53 54	12° 4'34	22°33	0♍29	19°57	13°35	4°41	29° 1	27°29	27°29	22°37	9° 7	8° 7	3° 7	16°51	F 30
S 31	20 57 50	13♌ 2'19	4♉49	2♍ 5	21♍ 8	14♎13	4♏47	28♒56	27♒27	27♊30	22♓36	9♐ 5	8♐ 4	3♓14	16♒48	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n47	5n13	4n51	24n 7	0n38	17n50	1n38	1n49	0n15	11s30	1n 5	12s57	1s47	12s49	0s47	22n28	1s 3	18s 5	16s40	22s11	22s 0	6s49	9s16	6n29
F 2	22 41	9 34	4 21	24 12	0 48	17 28	1 37	1 35	0 14	11 31	1 5	12 58	1 47	12 49	0 47	22 28	1 3	18 5	16 41	22 11	22 0	6 47	9 17	6 29
S 3	22 34	13 37	3 39	24 14	0 57	17 5	1 37	1 20	0 13	11 32	1 5	12 59	1 47	12 50	0 47	22 28	1 3	18 6	16 41	22 11	21 59	6 45	9 17	6 30
S 4	22 27	17 9	2 45	24 13	1 5	16 41	1 36	1 5	0 12	11 33	1 5	13 0	1 47	12 50	0 47	22 28	1 3	18 6	16 42	22 11	21 59	6 42	9 18	6 30
M 5	22 19	19 58	1 42	24 10	1 13	16 17	1 34	0 50	0 11	11 34	1 4	13 1	1 47	12 51	0 47	22 28	1 3	18 7	16 42	22 12	21 58	6 40	9 19	6 30
T 6	22 12	21 48	0 31	24 4	1 20	15 53	1 33	0 35	0 10	11 35	1 4	13 2	1 48	12 51	0 47	22 28	1 3	18 7	16 42	22 12	21 58	6 37	9 19	6 30
W 7	22 3	22 22	0s44	23 55	1 26	15 29	1 32	0 20	0 9	11 36	1 4	13 4	1 48	12 52	0 47	22 28	1 3	18 8	16 43	22 12	21 58	6 35	9 20	6 30
T 8	21 55	21 32	1 59	23 43	1 31	15 4	1 31	0 5	0 8	11 37	1 3	13 5	1 48	12 53	0 47	22 28	1 3	18 8	16 43	22 12	21 57	6 32	9 20	6 30
F 9	21 46	19 15	3 7	23 29	1 36	14 38	1 29	0s10	0 7	11 38	1 3	13 6	1 48	12 53	0 47	22 28	1 3	18 9	16 43	22 11	21 57	6 30	9 21	6 31
S 10	21 36	15 39	4 4	23 12	1 39	14 12	1 28	0 25	0 6	11 39	1 3	13 7	1 48	12 54	0 47	22 28	1 3	18 9	16 44	22 10	21 56	6 27	9 22	6 31
S 11	21 26	11 1	4 45	22 53	1 42	13 46	1 26	0 40	0 5	11 40	1 3	13 9	1 49	12 55	0 47	22 28	1 3	18 10	16 44	22 9	21 56	6 25	9 22	6 31
M12	21 16	5 44	5 6	22 31	1 45	13 20	1 25	0 56	0 4	11 42	1 2	13 10	1 49	12 55	0 47	22 28	1 3	18 10	16 44	22 9	21 55	6 22	9 23	6 31
T 13	21 6	0 11	5 6	22 8	1 46	12 53	1 23	1 11	0 3	11 43	1 2	13 11	1 49	12 56	0 47	22 28	1 3	18 11	16 45	22 8	21 55	6 20	9 24	6 31
W14	20 55	5s17	4 46	21 42	1 47	12 26	1 21	1 26	0 2	11 44	1 2	13 13	1 49	12 57	0 47	22 28	1 3	18 11	16 45	22 7	21 54	6 17	9 24	6 31
T 15	20 44	10 20	4 10	21 15	1 47	11 58	1 19	1 41	0 1	11 46	1 2	13 14	1 49	12 57	0 47	22 28	1 3	18 12	16 45	22 7	21 54	6 15	9 25	6 31
F 16	20 32	14 43	3 19	20 46	1 47	11 31	1 17	1 57	0 0	11 47	1 1	13 16	1 50	12 58	0 47	22 28	1 3	18 12	16 46	22 7	21 53	6 12	9 26	6 32
S 17	20 20	18 14	2 19	20 15	1 46	11 3	1 15	2 12	0s 1	11 49	1 1	13 17	1 50	12 59	0 47	22 28	1 3	18 13	16 46	22 7	21 53	6 10	9 27	6 32
S 18	20 8	20 43	1 13	19 43	1 44	10 34	1 13	2 28	0 2	11 51	1 1	13 18	1 50	13 0	0 47	22 28	1 3	18 13	16 46	22 7	21 52	6 7	9 27	6 32
M19	19 55	22 4	0 4	19 9	1 42	10 6	1 11	2 43	0 3	11 52	1 1	13 20	1 50	13 0	0 47	22 28	1 3	18 14	16 46	22 7	21 52	6 5	9 28	6 32
T 20	19 42	22 17	1n 3	18 35	1 39	9 37	1 9	2 59	0 3	11 54	1 0	13 21	1 50	13 1	0 47	22 28	1 3	18 14	16 47	22 7	21 51	6 3	9 29	6 32
W21	19 29	21 23	2 6	17 59	1 36	9 8	1 6	3 14	0 4	11 56	1 0	13 23	1 50	13 2	0 47	22 29	1 3	18 15	16 47	22 7	21 51	6 0	9 30	6 32
T 22	19 15	19 28	3 2	17 22	1 32	8 39	1 4	3 30	0 5	11 58	1 0	13 24	1 51	13 3	0 47	22 29	1 3	18 15	16 47	22 6	21 50	5 58	9 31	6 32
F 23	19 1	16 43	3 50	16 45	1 28	8 9	1 2	3 45	0 6	12 0	1 0	13 26	1 51	13 3	0 47	22 29	1 3	18 16	16 48	22 5	21 50	5 55	9 31	6 32
S 24	18 47	13 18	4 26	16 7	1 24	7 40	0 59	4 1	0 7	12 1	0 59	13 27	1 51	13 4	0 47	22 29	1 3	18 17	16 48	22 3	21 49	5 53	9 32	6 32
S 25	18 33	9 22	4 51	15 28	1 19	7 10	0 56	4 16	0 8	12 3	0 59	13 29	1 51	13 5	0 47	22 29	1 3	18 17	16 48	22 2	21 49	5 50	9 33	6 32
M26	18 18	5 6	5 3	14 48	1 13	6 40	0 54	4 32	0 9	12 6	0 59	13 31	1 51	13 6	0 47	22 29	1 3	18 18	16 48	22 0	21 48	5 48	9 34	6 32
T 27	18 3	0 40	5 1	14 9	1 7	6 10	0 51	4 48	0 10	12 8	0 59	13 32	1 51	13 6	0 47	22 29	1 3	18 18	16 49	21 59	21 48	5 45	9 35	6 32
W28	17 47	3n48	4 47	13 28	1 1	5 39	0 48	5 3	0 11	12 10	0 58	13 34	1 51	13 7	0 47	22 29	1 3	18 19	16 49	21 57	21 47	5 43	9 36	6 32
T 29	17 31	8 9	4 20	12 48	0 55	5 9	0 45	5 19	0 12	12 12	0 58	13 35	1 52	13 8	0 47	22 29	1 3	18 19	16 49	21 56	21 47	5 40	9 37	6 32
F 30	17 15	12 14	3 41	12 7	0 48	4 38	0 42	5 34	0 12	12 14	0 58	13 37	1 52	13 9	0 47	22 29	1 3	18 20	16 49	21 56	21 46	5 38	9 38	6 32
S 31	16n59	15n53	2n52	11n26	0n42	4n 8	0n39	5s50	0s13	12s17	0n58	13s39	1s52	13s10	0s47	22n29	1s 3	18s21	16s50	21s55	21s46	5s35	9s38	6n32

Julian Day Number = 2116074.5, Delta T = 18m44s
Ecliptic obliquity = 23°33'26, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°56'10, Lahiri = 11°03'11 Julian Calendar 1 July 1081 == Greg. Calendar 7 July 1081

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1081
geocentric

AUGUST 1081 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 1 47	14♌ 0'06	17♉21	3♍41	22♍18	14♎51	4♏53	28°R52	27°R25	27♊32	22°R35	9°D 5	8♐ 0	3♓20	16°R45	S 1
M 2	21 5 44	14°57'54	0♊14	5°15	23°29	15°29	5° 0	28♒48	27♒22	27°34	22♓34	9♐ 5	7°57	3°27	16♒41	M 2
T 3	21 9 40	15°55'44	13°32	6°47	24°39	16° 8	5° 6	28°43	27°20	27°35	22°33	9°R 6	7°54	3°34	16°38	T 3
W 4	21 13 37	16°53'37	27°19	8°18	25°49	16°46	5°13	28°39	27°18	27°37	22°32	9° 4	7°51	3°41	16°35	W 4
T 5	21 17 33	17°51'30	11♋34	9°48	27° 0	17°25	5°20	28°34	27°15	27°38	22°31	9° 1	7°48	3°47	16°32	T 5
F 6	21 21 30	18°49'26	26°17	11°16	28°10	18° 4	5°27	28°30	27°13	27°40	22°30	8°55	7°45	3°54	16°29	F 6
S 7	21 25 26	19°47'24	11♌20	12°43	29°20	18°42	5°34	28°25	27°11	27°41	22°29	8°46	7°41	4° 1	16°26	S 7
S 8	21 29 23	20°45'22	26°36	14° 9	0♎30	19°21	5°41	28°21	27° 8	27°43	22°28	8°36	7°38	4° 7	16°23	S 8
M 9	21 33 20	21°43'23	11♍53	15°33	1°40	20° 1	5°48	28°16	27° 6	27°44	22°27	8°26	7°35	4°14	16°20	M 9
T 10	21 37 16	22°41'25	27° 0	16°55	2°50	20°40	5°56	28°12	27° 3	27°46	22°26	8°17	7°32	4°21	16°17	T 10
W11	21 41 13	23°39'28	11♎47	18°16	3°59	21°19	6° 4	28° 7	27° 1	27°47	22°25	8° 9	7°29	4°28	16°14	W11
T 12	21 45 9	24°37'33	26° 9	19°35	5° 9	21°58	6°11	28° 3	26°59	27°49	22°24	8° 4	7°25	4°34	16°11	T 12
F 13	21 49 6	25°35'40	10♏ 4	20°53	6°19	22°38	6°19	27°58	26°56	27°50	22°23	8° 2	7°22	4°41	16° 8	F 13
S 14	21 53 2	26°33'48	23°31	22° 9	7°28	23°17	6°27	27°53	26°54	27°51	22°22	8°D 1	7°19	4°48	16° 5	S 14
S 15	21 56 59	27°31'57	6♐34	23°23	8°38	23°57	6°35	27°49	26°51	27°53	22°21	8°R 1	7°16	4°54	16° 2	S 15
M16	22 0 55	28°30'08	19°16	24°35	9°47	24°37	6°44	27°44	26°49	27°54	22°20	8° 1	7°13	5° 1	15°59	M16
T 17	22 4 52	29°28'21	1♑42	25°46	10°56	25°17	6°52	27°40	26°47	27°55	22°19	7°59	7°10	5° 8	15°56	T 17
W18	22 8 48	0♍26'35	13°55	26°54	12° 6	25°57	7° 1	27°35	26°44	27°57	22°18	7°55	7° 6	5°15	15°53	W18
T 19	22 12 45	1°24'50	26° 0	28° 1	13°15	26°37	7° 9	27°31	26°42	27°58	22°17	7°47	7° 3	5°21	15°50	T 19
F 20	22 16 42	2°23'08	7♒58	29° 5	14°24	27°17	7°18	27°26	26°39	27°59	22°16	7°38	7° 0	5°28	15°47	F 20
S 21	22 20 38	3°21'27	19°53	0♎ 7	15°33	27°57	7°27	27°21	26°37	28° 0	22°15	7°25	6°57	5°35	15°44	S 21
S 22	22 24 35	4°19'47	1♓46	1° 6	16°41	28°38	7°36	27°17	26°35	28° 1	22°14	7°11	6°54	5°42	15°41	S 22
M23	22 28 31	5°18'10	13°39	2° 3	17°50	29°18	7°45	27°12	26°32	28° 2	22°12	6°57	6°50	5°48	15°38	M23
T 24	22 32 28	6°16'35	25°33	2°57	18°59	29°59	7°54	27° 8	26°30	28° 3	22°11	6°44	6°47	5°55	15°35	T 24
W25	22 36 24	7°15'01	7♈29	3°48	20° 7	0♏39	8° 3	27° 3	26°28	28° 4	22°10	6°32	6°44	6° 2	15°33	W25
T 26	22 40 21	8°13'30	19°29	4°35	21°15	1°20	8°13	26°59	26°25	28° 5	22° 9	6°22	6°41	6° 8	15°30	T 26
F 27	22 44 17	9°12'00	1♉36	5°20	22°24	2° 1	8°22	26°54	26°23	28° 6	22° 8	6°16	6°38	6°15	15°27	F 27
S 28	22 48 14	10°10'33	13°54	6° 0	23°32	2°42	8°32	26°50	26°21	28° 7	22° 7	6°13	6°35	6°22	15°24	S 28
S 29	22 52 11	11° 9'09	26°25	6°37	24°40	3°23	8°42	26°46	26°18	28° 8	22° 6	6°11	6°31	6°29	15°22	S 29
M30	22 56 7	12° 7'46	9♊15	7° 9	25°48	4° 4	8°51	26°41	26°16	28° 9	22° 4	6°11	6°28	6°35	15°19	M30
T 31	23 0 4	13♍ 6'26	22♊27	7♎36	26♎56	4♏45	9♏ 1	26♒37	26♒14	28♊10	22♓ 3	6♐11	6♐25	6♓42	15♒17	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n42	18n54	1n53	10n44	0n34	3n37	0n36	6s 6	0s14	12s19	0n57	13s40	1s52	13s10	0s47	22n29	1s 3	18s21	16s50	21s55	21s45	5s33	9s39	6n32
M 2	16 26	21 4	0 47	10 3	0 27	3 6	0 33	6 21	0 15	12 21	0 57	13 42	1 52	13 11	0 47	22 29	1 3	18 22	16 50	21 55	21 45	5 30	9 40	6 32
T 3	16 8	22 9	0s24	9 22	0 19	2 35	0 29	6 37	0 16	12 24	0 57	13 44	1 52	13 12	0 47	22 29	1 3	18 22	16 50	21 55	21 44	5 28	9 41	6 32
W 4	15 51	21 57	1 35	8 41	0 12	2 4	0 26	6 53	0 17	12 26	0 57	13 45	1 52	13 13	0 47	22 29	1 3	18 23	16 51	21 55	21 44	5 25	9 42	6 32
T 5	15 33	20 20	2 43	7 59	0 4	1 33	0 23	7 8	0 17	12 29	0 56	13 47	1 52	13 14	0 47	22 29	1 3	18 23	16 51	21 55	21 43	5 23	9 43	6 32
F 6	15 15	17 21	3 43	7 18	0s 4	1 2	0 19	7 24	0 18	12 31	0 56	13 49	1 53	13 14	0 47	22 29	1 3	18 24	16 51	21 54	21 43	5 21	9 44	6 32
S 7	14 57	13 10	4 28	6 37	0 13	0 30	0 16	7 40	0 19	12 34	0 56	13 50	1 53	13 15	0 47	22 29	1 3	18 25	16 51	21 52	21 42	5 18	9 45	6 32
S 8	14 39	8 5	4 55	5 57	0 21	0s 1	0 12	7 55	0 20	12 36	0 56	13 52	1 53	13 16	0 47	22 29	1 3	18 25	16 52	21 51	21 41	5 16	9 46	6 32
M 9	14 20	2 30	5 1	5 16	0 30	0 32	0 8	8 11	0 21	12 39	0 55	13 54	1 53	13 17	0 48	22 29	1 3	18 26	16 52	21 49	21 41	5 13	9 47	6 32
T 10	14 1	3s10	4 46	4 36	0 38	1 3	0 5	8 26	0 21	12 42	0 55	13 55	1 53	13 18	0 48	22 29	1 3	18 26	16 52	21 48	21 40	5 11	9 48	6 32
W11	13 42	8 32	4 12	3 56	0 47	1 35	0 1	8 42	0 22	12 44	0 55	13 57	1 53	13 19	0 48	22 29	1 3	18 27	16 52	21 47	21 40	5 8	9 49	6 32
T 12	13 23	13 17	3 22	3 17	0 56	2 6	0s 3	8 57	0 23	12 47	0 55	13 59	1 53	13 19	0 48	22 29	1 4	18 27	16 52	21 46	21 39	5 6	9 50	6 32
F 13	13 3	17 9	2 22	2 38	1 5	2 37	0 7	9 13	0 24	12 50	0 55	14 0	1 53	13 20	0 48	22 29	1 4	18 28	16 53	21 45	21 39	5 3	9 51	6 32
S 14	12 43	19 58	1 16	2 0	1 14	3 8	0 10	9 28	0 25	12 53	0 54	14 2	1 53	13 21	0 48	22 29	1 4	18 29	16 53	21 45	21 38	5 1	9 52	6 31
S 15	12 23	21 38	0 8	1 23	1 23	3 39	0 14	9 44	0 25	12 56	0 54	14 4	1 53	13 22	0 48	22 29	1 4	18 29	16 53	21 45	21 38	4 58	9 53	6 31
M16	12 3	22 8	0n59	0 46	1 32	4 11	0 18	9 59	0 26	12 59	0 54	14 5	1 53	13 23	0 48	22 29	1 4	18 30	16 53	21 45	21 37	4 56	9 54	6 31
T 17	11 43	21 31	2 2	0 9	1 41	4 42	0 22	10 15	0 27	13 2	0 54	14 7	1 53	13 24	0 48	22 29	1 4	18 30	16 53	21 45	21 37	4 53	9 55	6 31
W18	11 22	19 53	2 57	0s26	1 50	5 12	0 26	10 30	0 28	13 5	0 54	14 9	1 53	13 24	0 48	22 29	1 4	18 31	16 53	21 44	21 36	4 51	9 56	6 31
T 19	11 1	17 23	3 44	1 1	1 58	5 43	0 30	10 45	0 28	13 8	0 53	14 10	1 54	13 25	0 48	22 29	1 4	18 31	16 54	21 43	21 36	4 48	9 57	6 31
F 20	10 41	14 10	4 21	1 35	2 7	6 14	0 35	11 0	0 29	13 11	0 53	14 12	1 54	13 26	0 48	22 29	1 4	18 32	16 54	21 41	21 35	4 46	9 58	6 31
S 21	10 19	10 24	4 46	2 7	2 16	6 45	0 39	11 16	0 30	13 14	0 53	14 14	1 54	13 27	0 48	22 29	1 4	18 33	16 54	21 39	21 35	4 44	9 59	6 30
S 22	9 58	6 15	4 58	2 39	2 25	7 15	0 43	11 31	0 30	13 17	0 53	14 15	1 54	13 28	0 48	22 29	1 4	18 33	16 54	21 37	21 34	4 41	10 0	6 30
M23	9 37	1 53	4 57	3 9	2 33	7 45	0 47	11 46	0 31	13 20	0 52	14 17	1 54	13 28	0 48	22 29	1 4	18 34	16 54	21 35	21 34	4 39	10 1	6 30
T 24	9 15	2n33	4 44	3 39	2 41	8 15	0 51	12 1	0 32	13 23	0 52	14 18	1 54	13 29	0 48	22 29	1 4	18 34	16 54	21 32	21 33	4 36	10 2	6 30
W25	8 53	6 55	4 18	4 6	2 49	8 45	0 56	12 16	0 33	13 26	0 52	14 20	1 54	13 30	0 47	22 29	1 4	18 35	16 54	21 30	21 32	4 34	10 3	6 30
T 26	8 32	11 3	3 40	4 32	2 57	9 15	1 0	12 31	0 33	13 30	0 52	14 22	1 54	13 31	0 47	22 29	1 4	18 35	16 54	21 29	21 32	4 31	10 4	6 29
F 27	8 10	14 46	2 52	4 57	3 5	9 45	1 4	12 46	0 34	13 33	0 52	14 23	1 54	13 32	0 47	22 29	1 4	18 36	16 54	21 28	21 31	4 29	10 5	6 29
S 28	7 47	17 55	1 55	5 20	3 12	10 14	1 8	13 1	0 35	13 36	0 52	14 25	1 54	13 32	0 47	22 29	1 4	18 37	16 55	21 27	21 31	4 26	10 6	6 29
S 29	7 25	20 17	0 51	5 41	3 19	10 44	1 13	13 15	0 35	13 40	0 51	14 26	1 54	13 33	0 47	22 29	1 4	18 37	16 55	21 27	21 30	4 24	10 7	6 29
M30	7 3	21 41	0s16	5 59	3 25	11 13	1 17	13 30	0 36	13 43	0 51	14 28	1 54	13 34	0 47	22 29	1 4	18 38	16 55	21 27	21 30	4 21	10 8	6 29
T 31	6n40	21n56	1s25	6s15	3s31	11s42	1s22	13s45	0s37	13s46	0n51	14s29	1s54	13s35	0s47	22n29	1s 4	18s38	16s55	21s27	21s29	4s19	10s 9	6n28

Julian Day Number = 2116105.5, Delta T = 18m44s
Ecliptic obliquity = 23°33'27, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°56'15, Lahiri = 11°03'15 Julian Calendar 1 Aug. 1081 == Greg. Calendar 7 Aug. 1081

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1081
geocentric

SEPTEMBER 1081 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 4 0	14♍ 5'08	6♋ 5	7♎58	28♎ 3	5♏26	9♏11	26°R33	26°R11	28♊11	22°R 2	6°R10	6♐22	6♓49	15°R14	W 1
T 2	23 7 57	15° 3'53	20°11	8°16	29°11	6° 7	9°22	26♒28	26♒ 9	28°12	22♓ 1	6♐ 6	6°19	6°56	15♒11	T 2
F 3	23 11 53	16° 2'39	4♌45	8°27	0♏18	6°49	9°32	26°24	26° 7	28°12	22° 0	6° 0	6°16	7° 2	15° 9	F 3
S 4	23 15 50	17° 1'28	19°42	8°R32	1°26	7°30	9°42	26°20	26° 5	28°13	21°58	5°51	6°12	7° 9	15° 6	S 4
S 5	23 19 46	18° 0'19	4♍55	8°30	2°33	8°12	9°53	26°16	26° 3	28°14	21°57	5°41	6° 9	7°16	15° 4	S 5
M 6	23 23 43	18°59'12	20°14	8°22	3°40	8°54	10° 3	26°12	26° 0	28°15	21°56	5°30	6° 6	7°22	15° 2	M 6
T 7	23 27 40	19°58'08	5♎27	8° 7	4°47	9°36	10°14	26° 8	25°58	28°15	21°55	5°20	6° 3	7°29	14°59	T 7
W 8	23 31 36	20°57'05	20°24	7°44	5°53	10°18	10°24	26° 4	25°56	28°16	21°54	5°12	6° 0	7°36	14°57	W 8
T 9	23 35 33	21°56'04	4♏56	7°13	7° 0	11° 0	10°35	26° 0	25°54	28°16	21°53	5° 6	5°56	7°43	14°55	T 9
F 10	23 39 29	22°55'05	18°59	6°35	8° 7	11°42	10°46	25°56	25°52	28°17	21°51	5° 3	5°53	7°49	14°52	F 10
S 11	23 43 26	23°54'08	2♐33	5°50	9°13	12°24	10°57	25°52	25°50	28°17	21°50	5°D 2	5°50	7°56	14°50	S 11
S 12	23 47 22	24°53'12	15°40	4°58	10°19	13° 6	11° 8	25°49	25°48	28°18	21°49	5° 2	5°47	8° 3	14°48	S 12
M13	23 51 19	25°52'19	28°23	3°59	11°25	13°48	11°19	25°45	25°46	28°18	21°48	5°R 2	5°44	8° 9	14°46	M13
T 14	23 55 15	26°51'27	10♑48	2°56	12°31	14°31	11°30	25°41	25°44	28°19	21°47	5° 1	5°41	8°16	14°44	T 14
W15	23 59 12	27°50'37	22°57	1°49	13°36	15°13	11°41	25°38	25°42	28°19	21°45	4°58	5°37	8°23	14°42	W15
T 16	0 3 9	28°49'49	4♒58	0°39	14°42	15°56	11°53	25°34	25°40	28°19	21°44	4°53	5°34	8°30	14°40	T 16
F 17	0 7 5	29°49'03	16°52	29♍29	15°47	16°38	12° 4	25°31	25°38	28°20	21°43	4°45	5°31	8°36	14°38	F 17
S 18	0 11 2	0♎48'18	28°44	28°20	16°52	17°21	12°16	25°28	25°37	28°20	21°42	4°35	5°28	8°43	14°36	S 18
S 19	0 14 58	1°47'36	10♓37	27°14	17°57	18° 4	12°27	25°24	25°35	28°20	21°41	4°23	5°25	8°50	14°35	S 19
M20	0 18 55	2°46'55	22°32	26°13	19° 1	18°47	12°39	25°21	25°33	28°20	21°40	4°11	5°22	8°57	14°33	M20
T 21	0 22 51	3°46'17	4♈30	25°20	20° 5	19°30	12°51	25°18	25°31	28°21	21°38	3°59	5°18	9° 3	14°31	T 21
W22	0 26 48	4°45'41	16°33	24°34	21°10	20°13	13° 2	25°15	25°30	28°21	21°37	3°49	5°15	9°10	14°30	W22
T 23	0 30 44	5°45'06	28°43	23°59	22°13	20°56	13°14	25°12	25°28	28°21	21°36	3°41	5°12	9°17	14°28	T 23
F 24	0 34 41	6°44'34	11♉ 0	23°33	23°17	21°39	13°26	25° 9	25°26	28°21	21°35	3°36	5° 9	9°23	14°27	F 24
S 25	0 38 37	7°44'05	23°27	23°19	24°20	22°22	13°38	25° 7	25°25	28°R21	21°34	3°34	5° 6	9°30	14°25	S 25
S 26	0 42 34	8°43'37	6♊ 6	23°D15	25°24	23° 6	13°50	25° 4	25°23	28°21	21°33	3°D33	5° 2	9°37	14°24	S 26
M27	0 46 31	9°43'12	18°59	23°23	26°26	23°49	14° 2	25° 1	25°22	28°21	21°32	3°34	4°59	9°44	14°22	M27
T 28	0 50 27	10°42'50	2♋11	23°41	27°29	24°33	14°14	24°59	25°20	28°21	21°30	3°35	4°56	9°50	14°21	T 28
W29	0 54 24	11°42'29	15°44	24° 9	28°31	25°16	14°27	24°56	25°19	28°21	21°29	3°R35	4°53	9°57	14°20	W29
T 30	0 58 20	12♎42'11	29♋39	24♍47	29♏33	26♏ 0	14♏39	24♒54	25♒17	28♊21	21♓28	3♐34	4♐50	10♓ 4	14♒19	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	6n17	20n54	2s31	6s29	3s36	12s10	1s26	13s59	0s37	13s50	0n51	14s31	1s54	13s36	0s47	22n29	1s 4	18s39	16s55	21s27	21s29	4s16	10s10	6n28
T 2	5 55	18 34	3 30	6 40	3 41	12 39	1 30	14 14	0 38	13 53	0 51	14 32	1 54	13 36	0 47	22 29	1 4	18 39	16 55	21 26	21 28	4 14	10 11	6 28
F 3	5 32	15 0	4 18	6 48	3 44	13 7	1 35	14 28	0 39	13 56	0 50	14 34	1 54	13 37	0 47	22 29	1 4	18 40	16 55	21 25	21 28	4 11	10 12	6 28
S 4	5 9	10 24	4 49	6 53	3 47	13 34	1 39	14 42	0 39	14 0	0 50	14 35	1 54	13 38	0 47	22 29	1 4	18 40	16 55	21 23	21 27	4 9	10 12	6 27
S 5	4 46	5 5	5 1	6 54	3 49	14 2	1 43	14 56	0 40	14 3	0 50	14 36	1 54	13 38	0 47	22 29	1 4	18 41	16 55	21 22	21 26	4 7	10 13	6 27
M 6	4 23	0s34	4 51	6 51	3 50	14 29	1 48	15 10	0 41	14 7	0 50	14 38	1 54	13 39	0 47	22 29	1 4	18 41	16 55	21 20	21 26	4 4	10 14	6 27
T 7	4 0	6 10	4 21	6 44	3 49	14 56	1 52	15 24	0 41	14 10	0 50	14 39	1 54	13 40	0 47	22 29	1 4	18 42	16 55	21 18	21 25	4 2	10 15	6 27
W 8	3 36	11 17	3 33	6 33	3 47	15 23	1 56	15 38	0 42	14 14	0 49	14 41	1 54	13 41	0 47	22 29	1 4	18 42	16 55	21 16	21 25	3 59	10 16	6 26
T 9	3 13	15 37	2 32	6 18	3 44	15 49	2 1	15 52	0 42	14 17	0 49	14 42	1 54	13 41	0 47	22 29	1 4	18 43	16 55	21 15	21 24	3 57	10 17	6 26
F 10	2 49	18 54	1 24	5 58	3 38	16 15	2 5	16 6	0 43	14 21	0 49	14 43	1 54	13 42	0 47	22 29	1 4	18 43	16 55	21 15	21 24	3 54	10 18	6 26
S 11	2 26	20 59	0 13	5 33	3 31	16 41	2 9	16 20	0 44	14 25	0 49	14 44	1 54	13 43	0 47	22 29	1 4	18 44	16 55	21 15	21 23	3 52	10 19	6 25
S 12	2 2	21 51	0n56	5 4	3 22	17 6	2 14	16 33	0 44	14 28	0 49	14 46	1 54	13 43	0 47	22 29	1 4	18 44	16 55	21 15	21 23	3 49	10 20	6 25
M13	1 39	21 32	2 1	4 31	3 11	17 31	2 18	16 46	0 45	14 32	0 49	14 47	1 54	13 44	0 47	22 29	1 4	18 45	16 55	21 15	21 22	3 47	10 21	6 25
T 14	1 15	20 10	2 58	3 54	2 59	17 55	2 22	17 0	0 45	14 35	0 49	14 48	1 54	13 45	0 47	22 28	1 4	18 45	16 55	21 14	21 21	3 44	10 22	6 24
W15	0 52	17 53	3 46	3 14	2 44	18 19	2 26	17 13	0 46	14 39	0 48	14 49	1 54	13 45	0 47	22 28	1 4	18 45	16 55	21 14	21 21	3 42	10 23	6 24
T 16	0 28	14 52	4 23	2 31	2 27	18 43	2 30	17 26	0 47	14 43	0 48	14 50	1 54	13 46	0 47	22 28	1 4	18 46	16 55	21 13	21 20	3 40	10 23	6 24
F 17	0 4	11 16	4 48	1 46	2 10	19 6	2 35	17 39	0 47	14 46	0 48	14 51	1 53	13 47	0 47	22 28	1 4	18 46	16 55	21 11	21 20	3 37	10 24	6 23
S 18	0s19	7 16	5 1	1 1	1 51	19 29	2 39	17 51	0 48	14 50	0 48	14 53	1 53	13 47	0 47	22 28	1 4	18 47	16 55	21 10	21 19	3 35	10 25	6 23
S 19	0 43	2 59	5 1	0 17	1 31	19 52	2 43	18 4	0 48	14 54	0 48	14 54	1 53	13 48	0 47	22 28	1 4	18 47	16 55	21 7	21 19	3 32	10 26	6 23
M20	1 7	1n25	4 48	0n26	1 10	20 14	2 47	18 17	0 49	14 57	0 48	14 55	1 53	13 48	0 47	22 28	1 4	18 48	16 55	21 5	21 18	3 30	10 27	6 22
T 21	1 30	5 48	4 22	1 6	0 50	20 35	2 51	18 29	0 49	15 1	0 47	14 56	1 53	13 49	0 47	22 28	1 5	18 48	16 55	21 3	21 18	3 27	10 28	6 22
W22	1 54	9 58	3 44	1 43	0 29	20 56	2 54	18 41	0 50	15 5	0 47	14 57	1 53	13 49	0 47	22 28	1 5	18 48	16 55	21 1	21 17	3 25	10 28	6 22
T 23	2 18	13 48	2 55	2 15	0 10	21 17	2 58	18 53	0 50	15 8	0 47	14 57	1 53	13 50	0 47	22 28	1 5	18 49	16 55	21 0	21 16	3 22	10 29	6 21
F 24	2 41	17 4	1 58	2 43	0n 9	21 37	3 2	19 5	0 51	15 12	0 47	14 58	1 53	13 50	0 47	22 28	1 5	18 49	16 55	20 59	21 16	3 20	10 30	6 21
S 25	3 5	19 36	0 54	3 5	0 27	21 57	3 6	19 17	0 51	15 16	0 47	14 59	1 53	13 51	0 47	22 28	1 5	18 50	16 54	20 58	21 15	3 18	10 31	6 21
S 26	3 29	21 12	0s14	3 21	0 43	22 16	3 9	19 28	0 52	15 20	0 47	15 0	1 53	13 52	0 47	22 28	1 5	18 50	16 54	20 58	21 15	3 15	10 31	6 20
M27	3 52	21 44	1 22	3 31	0 58	22 35	3 13	19 40	0 52	15 23	0 47	15 1	1 53	13 52	0 47	22 28	1 5	18 50	16 54	20 58	21 14	3 13	10 32	6 20
T 28	4 16	21 5	2 28	3 36	1 11	22 53	3 16	19 51	0 53	15 27	0 46	15 2	1 53	13 52	0 47	22 28	1 5	18 51	16 54	20 58	21 13	3 10	10 33	6 19
W29	4 39	19 12	3 27	3 36	1 23	23 11	3 20	20 2	0 53	15 31	0 46	15 2	1 53	13 53	0 47	22 28	1 5	18 51	16 54	20 58	21 13	3 8	10 34	6 19
T 30	5s 3	16n 9	4s16	3n30	1n33	23s28	3s23	20s13	0s54	15s35	0n46	15s 3	1s53	13s53	0s47	22n28	1s 5	18s51	16s54	20s58	21s12	3s 5	10s34	6n19

Julian Day Number = 2116136.5, Delta T = 18m44s
Ecliptic obliquity = 23°33'27, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°56'19, Lahiri = 11°03'19 Julian Calendar 1 Sept. 1081 == Greg. Calendar 7 Sept. 1081

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1081
geocentric

OCTOBER 1081 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 2 17	13♎41'56	13♌58	25♍33	0♐35	26♏44	14♏51	24°R52	25°R16	28°R20	21°R27	3°R31	4♐47	10♓10	14°R18	F 1
S 2	1 6 13	14°41'42	28°37	26°27	1°36	27°27	15° 3	24♒50	25♒15	28♊20	21♓26	3♐25	4°43	10°17	14♒16	S 2
S 3	1 10 10	15°41'31	13♍32	27°28	2°38	28°11	15°16	24°48	25°13	28°20	21°25	3°18	4°40	10°24	14°15	S 3
M 4	1 14 6	16°41'22	28°36	28°36	3°38	28°55	15°28	24°46	25°12	28°20	21°24	3°11	4°37	10°31	14°15	M 4
T 5	1 18 3	17°41'15	13♎37	29°48	4°39	29°39	15°41	24°44	25°11	28°19	21°23	3° 4	4°34	10°37	14°14	T 5
W 6	1 22 0	18°41'10	28°28	1♎ 5	5°39	0♐23	15°54	24°42	25°10	28°19	21°22	2°58	4°31	10°44	14°13	W 6
T 7	1 25 56	19°41'07	13♏ 0	2°27	6°38	1° 8	16° 6	24°40	25° 9	28°19	21°21	2°54	4°27	10°51	14°12	T 7
F 8	1 29 53	20°41'06	27° 7	3°51	7°38	1°52	16°19	24°39	25° 8	28°18	21°20	2°D53	4°24	10°58	14°11	F 8
S 9	1 33 49	21°41'07	10♐47	5°19	8°37	2°36	16°32	24°37	25° 7	28°18	21°19	2°53	4°21	11° 4	14°11	S 9
S 10	1 37 46	22°41'09	24° 0	6°49	9°35	3°20	16°44	24°36	25° 6	28°17	21°18	2°54	4°18	11°11	14°10	S 10
M11	1 41 42	23°41'13	6♑48	8°20	10°33	4° 5	16°57	24°35	25° 5	28°17	21°17	2°56	4°15	11°18	14°10	M11
T 12	1 45 39	24°41'19	19°16	9°54	11°31	4°49	17°10	24°33	25° 4	28°16	21°16	2°R57	4°12	11°24	14° 9	T 12
W13	1 49 35	25°41'27	1♒28	11°28	12°28	5°34	17°23	24°32	25° 3	28°16	21°15	2°57	4° 8	11°31	14° 9	W13
T 14	1 53 32	26°41'36	13°29	13° 4	13°24	6°19	17°36	24°31	25° 2	28°15	21°14	2°55	4° 5	11°38	14° 9	T 14
F 15	1 57 29	27°41'46	25°23	14°40	14°20	7° 3	17°49	24°31	25° 2	28°14	21°13	2°52	4° 2	11°45	14° 8	F 15
S 16	2 1 25	28°41'58	7♓15	16°17	15°16	7°48	18° 2	24°30	25° 1	28°14	21°12	2°47	3°59	11°51	14° 8	S 16
S 17	2 5 22	29°42'12	19° 8	17°54	16°11	8°33	18°15	24°29	25° 0	28°13	21°11	2°42	3°56	11°58	14° 8	S 17
M18	2 9 18	0♏42'27	1♈ 6	19°31	17° 5	9°18	18°28	24°29	25° 0	28°12	21°10	2°36	3°53	12° 5	14°D 8	M18
T 19	2 13 15	1°42'44	13°10	21° 9	17°59	10° 3	18°41	24°28	24°59	28°12	21° 9	2°30	3°49	12°11	14° 8	T 19
W20	2 17 11	2°43'03	25°23	22°47	18°52	10°48	18°54	24°28	24°59	28°11	21° 9	2°25	3°46	12°18	14° 8	W20
T 21	2 21 8	3°43'23	7♉46	24°24	19°45	11°33	19° 7	24°28	24°58	28°10	21° 8	2°21	3°43	12°25	14° 8	T 21
F 22	2 25 4	4°43'45	20°20	26° 2	20°37	12°18	19°20	24°27	24°58	28° 9	21° 7	2°19	3°40	12°32	14° 8	F 22
S 23	2 29 1	5°44'10	3♊ 4	27°39	21°28	13° 3	19°34	24°D27	24°58	28° 8	21° 6	2°D19	3°37	12°38	14° 9	S 23
S 24	2 32 57	6°44'35	16° 1	29°16	22°19	13°48	19°47	24°28	24°57	28° 7	21° 5	2°19	3°33	12°45	14° 9	S 24
M25	2 36 54	7°45'03	29°10	0♏53	23° 8	14°34	20° 0	24°28	24°57	28° 6	21° 5	2°21	3°30	12°52	14° 9	M25
T 26	2 40 51	8°45'33	12♋34	2°30	23°57	15°19	20°13	24°28	24°57	28° 6	21° 4	2°22	3°27	12°59	14°10	T 26
W27	2 44 47	9°46'04	26°11	4° 7	24°45	16° 4	20°27	24°28	24°57	28° 5	21° 3	2°23	3°24	13° 5	14°10	W27
T 28	2 48 44	10°46'38	10♌ 4	5°43	25°32	16°50	20°40	24°29	24°57	28° 3	21° 2	2°R24	3°21	13°12	14°11	T 28
F 29	2 52 40	11°47'13	24°11	7°20	26°19	17°35	20°53	24°30	24°D57	28° 2	21° 2	2°24	3°18	13°19	14°12	F 29
S 30	2 56 37	12°47'50	8♍32	8°56	27° 4	18°21	21° 7	24°30	24°57	28° 1	21° 1	2°22	3°14	13°25	14°12	S 30
S 31	3 0 33	13♏48'29	23♍ 2	10♏31	27♐49	19♐ 7	21♏20	24♒31	24♒57	28♊ 0	21♓ 0	2♐20	3♐11	13♓32	14♒13	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5s26	12n 5	4s50	3n20	1n41	23s44	3s26	20s24	0s54	15s38	0n46	15s 4	1s52	13s54	0s47	22n28	1s 5	18s52	16s54	20s58	21s12	3s 3	10s35	6n18
S 2	5 49	7 13	5 6	3 5	1 49	24 0	3 30	20 35	0 55	15 42	0 46	15 4	1 52	13 54	0 47	22 28	1 5	18 52	16 54	20 57	21 11	3 0	10 36	6 18
S 3	6 12	1 51	5 3	2 45	1 54	24 16	3 33	20 45	0 55	15 46	0 46	15 5	1 52	13 55	0 47	22 28	1 5	18 52	16 53	20 55	21 11	2 58	10 36	6 18
M 4	6 35	3s41	4 38	2 23	1 59	24 31	3 36	20 55	0 56	15 50	0 46	15 6	1 52	13 55	0 47	22 28	1 5	18 52	16 53	20 54	21 10	2 56	10 37	6 17
T 5	6 58	9 0	3 54	1 57	2 2	24 45	3 38	21 5	0 56	15 53	0 45	15 6	1 52	13 55	0 47	22 28	1 5	18 53	16 53	20 52	21 9	2 53	10 38	6 17
W 6	7 21	13 42	2 55	1 28	2 4	24 59	3 41	21 15	0 57	15 57	0 45	15 7	1 52	13 56	0 47	22 28	1 5	18 53	16 53	20 51	21 9	2 51	10 38	6 16
T 7	7 44	17 30	1 46	0 56	2 5	25 12	3 44	21 25	0 57	16 1	0 45	15 7	1 52	13 56	0 47	22 28	1 5	18 53	16 53	20 51	21 8	2 48	10 39	6 16
F 8	8 7	20 7	0 31	0 23	2 6	25 25	3 46	21 34	0 57	16 5	0 45	15 7	1 52	13 56	0 47	22 28	1 5	18 54	16 53	20 50	21 8	2 46	10 39	6 16
S 9	8 30	21 28	0n43	0s13	2 5	25 37	3 49	21 44	0 58	16 8	0 45	15 8	1 52	13 57	0 47	22 28	1 5	18 54	16 52	20 50	21 7	2 43	10 40	6 15
S 10	8 52	21 33	1 52	0 50	2 4	25 48	3 51	21 53	0 58	16 12	0 45	15 8	1 52	13 57	0 47	22 28	1 5	18 54	16 52	20 51	21 6	2 41	10 41	6 15
M11	9 14	20 29	2 54	1 28	2 1	25 59	3 53	22 2	0 59	16 16	0 45	15 9	1 51	13 57	0 46	22 28	1 5	18 54	16 52	20 51	21 6	2 38	10 41	6 14
T 12	9 37	18 27	3 45	2 7	1 59	26 9	3 55	22 10	0 59	16 20	0 45	15 9	1 51	13 58	0 46	22 28	1 5	18 54	16 52	20 51	21 5	2 36	10 42	6 14
W13	9 59	15 37	4 26	2 47	1 55	26 19	3 57	22 19	0 59	16 24	0 45	15 9	1 51	13 58	0 46	22 28	1 5	18 55	16 52	20 51	21 5	2 34	10 42	6 13
T 14	10 21	12 10	4 54	3 28	1 52	26 28	3 59	22 27	1 0	16 27	0 44	15 9	1 51	13 58	0 46	22 28	1 5	18 55	16 51	20 51	21 4	2 31	10 43	6 13
F 15	10 42	8 17	5 9	4 10	1 47	26 37	4 1	22 35	1 0	16 31	0 44	15 9	1 51	13 58	0 46	22 28	1 5	18 55	16 51	20 50	21 4	2 29	10 43	6 13
S 16	11 4	4 5	5 10	4 51	1 43	26 45	4 2	22 43	1 1	16 35	0 44	15 10	1 51	13 58	0 46	22 28	1 5	18 55	16 51	20 49	21 3	2 26	10 44	6 12
S 17	11 25	0n15	4 59	5 33	1 38	26 52	4 3	22 50	1 1	16 38	0 44	15 10	1 51	13 59	0 46	22 28	1 5	18 55	16 51	20 48	21 2	2 24	10 44	6 12
M18	11 47	4 37	4 34	6 15	1 32	26 59	4 4	22 58	1 1	16 42	0 44	15 10	1 51	13 59	0 46	22 28	1 5	18 55	16 51	20 47	21 2	2 21	10 44	6 11
T 19	12 8	8 51	3 57	6 57	1 27	27 5	4 5	23 5	1 2	16 46	0 44	15 10	1 50	13 59	0 46	22 27	1 5	18 56	16 50	20 46	21 1	2 19	10 45	6 11
W20	12 29	12 47	3 8	7 39	1 21	27 11	4 6	23 12	1 2	16 50	0 44	15 10	1 50	13 59	0 46	22 27	1 5	18 56	16 50	20 45	21 1	2 17	10 45	6 11
T 21	12 49	16 13	2 10	8 20	1 15	27 16	4 7	23 18	1 2	16 53	0 44	15 10	1 50	13 59	0 46	22 27	1 5	18 56	16 50	20 44	21 0	2 14	10 46	6 10
F 22	13 10	18 58	1 5	9 2	1 9	27 20	4 7	23 25	1 3	16 57	0 44	15 10	1 50	13 59	0 46	22 27	1 5	18 56	16 50	20 44	20 59	2 12	10 46	6 10
S 23	13 30	20 48	0s 4	9 43	1 3	27 24	4 7	23 31	1 3	17 1	0 43	15 10	1 50	13 59	0 46	22 27	1 5	18 56	16 49	20 44	20 59	2 9	10 46	6 9
S 24	13 50	21 35	1 15	10 24	0 56	27 27	4 7	23 37	1 3	17 4	0 43	15 9	1 50	13 59	0 46	22 27	1 5	18 56	16 49	20 44	20 58	2 7	10 47	6 9
M25	14 10	21 11	2 22	11 4	0 50	27 30	4 7	23 43	1 4	17 8	0 43	15 9	1 50	13 59	0 46	22 27	1 5	18 56	16 49	20 44	20 57	2 4	10 47	6 8
T 26	14 29	19 35	3 24	11 44	0 43	27 32	4 7	23 48	1 4	17 12	0 43	15 9	1 50	13 59	0 46	22 27	1 5	18 56	16 49	20 44	20 57	2 2	10 47	6 8
W27	14 49	16 51	4 15	12 23	0 36	27 33	4 6	23 53	1 4	17 15	0 43	15 9	1 49	13 59	0 46	22 27	1 5	18 56	16 48	20 44	20 56	2 0	10 47	6 8
T 28	15 8	13 8	4 52	13 2	0 30	27 34	4 5	23 58	1 4	17 19	0 43	15 9	1 49	13 59	0 46	22 27	1 5	18 56	16 48	20 45	20 56	1 57	10 48	6 7
F 29	15 27	8 37	5 12	13 40	0 23	27 35	4 4	24 3	1 5	17 23	0 43	15 8	1 49	13 59	0 46	22 27	1 5	18 56	16 48	20 45	20 55	1 55	10 48	6 7
S 30	15 45	3 34	5 13	14 17	0 16	27 35	4 3	24 7	1 5	17 26	0 43	15 8	1 49	13 59	0 46	22 27	1 5	18 56	16 47	20 44	20 54	1 52	10 48	6 6
S 31	16s 4	1s44	4s55	14s54	0n10	27s34	4s 2	24s12	1s 5	17s30	0n43	15s 7	1s49	13s59	0s46	22n27	1s 5	18s56	16s47	20s44	20s54	1s50	10s48	6n 6

Julian Day Number = 2116166.5, Delta T = 18m43s
Ecliptic obliquity = 23°33'27, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°56'23, Lahiri = 11°03'23 Julian Calendar 1 Oct. 1081 == Greg. Calendar 7 Oct. 1081

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1081
geocentric

NOVEMBER 1081 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 4 30	14♏49'09	7♎39	12♏ 7	28♐32	19♐52	21♏34	24♒32	24♒57	27°R59	21°R 0	2°R18	3♐ 8	13♓39	14♒14	M 1
T 2	3 8 26	15°49'51	22°14	13°42	29°15	20°38	21°47	24°33	24°57	27♊58	20♓59	2♐15	3° 5	13°46	14°15	T 2
W 3	3 12 23	16°50'35	6♏43	15°17	29°56	21°24	22° 0	24°34	24°57	27°57	20°59	2°14	3° 2	13°52	14°16	W 3
T 4	3 16 20	17°51'20	20°59	16°52	0♑36	22°10	22°14	24°35	24°58	27°56	20°58	2°13	2°58	13°59	14°17	T 4
F 5	3 20 16	18°52'07	4♐57	18°27	1°15	22°56	22°27	24°37	24°58	27°54	20°57	2°D12	2°55	14° 6	14°18	F 5
S 6	3 24 13	19°52'55	18°34	20° 2	1°53	23°42	22°41	24°38	24°58	27°53	20°57	2°13	2°52	14°12	14°19	S 6
S 7	3 28 9	20°53'44	1♑48	21°36	2°30	24°28	22°54	24°40	24°59	27°52	20°56	2°14	2°49	14°19	14°20	S 7
M 8	3 32 6	21°54'34	14°40	23°11	3° 5	25°14	23° 8	24°41	24°59	27°51	20°56	2°15	2°46	14°26	14°22	M 8
T 9	3 36 2	22°55'26	27°12	24°45	3°39	26° 0	23°21	24°43	25° 0	27°49	20°55	2°16	2°43	14°33	14°23	T 9
W10	3 39 59	23°56'18	9♒27	26°19	4°11	26°46	23°35	24°45	25° 0	27°48	20°55	2°16	2°39	14°39	14°25	W10
T 11	3 43 56	24°57'11	21°30	27°53	4°42	27°32	23°48	24°47	25° 1	27°47	20°55	2°R17	2°36	14°46	14°26	T 11
F 12	3 47 52	25°58'05	3♓26	29°27	5°11	28°18	24° 1	24°49	25° 2	27°45	20°54	2°17	2°33	14°53	14°28	F 12
S 13	3 51 49	26°59'00	15°18	1♐ 1	5°39	29° 5	24°15	24°51	25° 2	27°44	20°54	2°16	2°30	15° 0	14°29	S 13
S 14	3 55 45	27°59'55	27°12	2°35	6° 5	29°51	24°28	24°54	25° 3	27°42	20°53	2°16	2°27	15° 6	14°31	S 14
M15	3 59 42	29° 0'52	9♈11	4° 9	6°29	0♑37	24°42	24°56	25° 4	27°41	20°53	2°15	2°24	15°13	14°32	M15
T 16	4 3 38	0♐ 1'49	21°20	5°43	6°51	1°24	24°55	24°58	25° 5	27°40	20°53	2°15	2°20	15°20	14°34	T 16
W17	4 7 35	1° 2'47	3♉41	7°17	7°11	2°10	25° 9	25° 1	25° 6	27°38	20°52	2°15	2°17	15°26	14°36	W17
T 18	4 11 31	2° 3'46	16°17	8°51	7°30	2°57	25°22	25° 4	25° 7	27°37	20°52	2°D15	2°14	15°33	14°38	T 18
F 19	4 15 28	3° 4'46	29° 8	10°25	7°46	3°43	25°36	25° 6	25° 8	27°35	20°52	2°R15	2°11	15°40	14°40	F 19
S 20	4 19 24	4° 5'47	12♊15	11°59	8° 1	4°30	25°49	25° 9	25° 9	27°34	20°52	2°15	2° 8	15°47	14°42	S 20
S 21	4 23 21	5° 6'48	25°37	13°33	8°13	5°16	26° 2	25°12	25°10	27°32	20°51	2°15	2° 4	15°53	14°44	S 21
M22	4 27 18	6° 7'51	9♋13	15° 7	8°23	6° 3	26°16	25°15	25°11	27°30	20°51	2°14	2° 1	16° 0	14°46	M22
T 23	4 31 14	7° 8'54	22°59	16°41	8°30	6°50	26°29	25°19	25°13	27°29	20°51	2°14	1°58	16° 7	14°48	T 23
W24	4 35 11	8° 9'59	6♌56	18°15	8°36	7°36	26°43	25°22	25°14	27°27	20°51	2°13	1°55	16°13	14°50	W24
T 25	4 39 7	9°11'04	20°59	19°49	8°39	8°23	26°56	25°25	25°15	27°26	20°51	2°12	1°52	16°20	14°53	T 25
F 26	4 43 4	10°12'11	5♍ 8	21°23	8°R39	9°10	27° 9	25°29	25°17	27°24	20°51	2°D12	1°49	16°27	14°55	F 26
S 27	4 47 0	11°13'18	19°19	22°57	8°37	9°57	27°23	25°32	25°18	27°22	20°51	2°12	1°45	16°34	14°57	S 27
S 28	4 50 57	12°14'26	3♎31	24°30	8°33	10°44	27°36	25°36	25°19	27°21	20°51	2°13	1°42	16°40	15° 0	S 28
M29	4 54 54	13°15'35	17°41	26° 4	8°26	11°30	27°49	25°39	25°21	27°19	20°D51	2°13	1°39	16°47	15° 2	M29
T 30	4 58 50	14♐16'45	1♏47	27♐38	8♑17	12♑17	28♏ 2	25♒43	25♒23	27♊18	20♓51	2♐15	1♐36	16♓54	15♒ 5	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16s22	6s59	4s17	15s30	0n 3	27s33	4s 0	24s15	1s 6	17s33	0n43	15s 7	1s49	13s59	0s46	22n27	1s 5	18s56	16s47	20s43	20s53	1s47	10s48	6n 5
T 2	16 40	11 50	3 23	16 5	0s 4	27 31	3 58	24 19	1 6	17 37	0 43	15 7	1 49	13 59	0 46	22 27	1 5	18 56	16 47	20 43	20 53	1 45	10 48	6 5
W 3	16 57	15 58	2 16	16 40	0 10	27 29	3 55	24 22	1 6	17 41	0 42	15 6	1 49	13 59	0 46	22 27	1 5	18 56	16 46	20 43	20 52	1 43	10 49	6 5
T 4	17 14	19 5	1 2	17 14	0 17	27 26	3 53	24 26	1 6	17 44	0 42	15 5	1 48	13 59	0 46	22 27	1 6	18 56	16 46	20 42	20 51	1 40	10 49	6 4
F 5	17 31	20 59	0n15	17 47	0 24	27 23	3 50	24 28	1 6	17 48	0 42	15 5	1 48	13 59	0 46	22 27	1 6	18 56	16 46	20 42	20 51	1 38	10 49	6 4
S 6	17 48	21 35	1 29	18 19	0 30	27 19	3 46	24 31	1 7	17 51	0 42	15 4	1 48	13 59	0 46	22 27	1 6	18 56	16 45	20 42	20 50	1 35	10 49	6 3
S 7	18 4	20 56	2 37	18 50	0 36	27 15	3 43	24 33	1 7	17 55	0 42	15 4	1 48	13 58	0 46	22 27	1 6	18 56	16 45	20 43	20 50	1 33	10 49	6 3
M 8	18 20	19 12	3 34	19 21	0 43	27 10	3 39	24 35	1 7	17 58	0 42	15 3	1 48	13 58	0 45	22 27	1 6	18 56	16 45	20 43	20 49	1 30	10 49	6 3
T 9	18 36	16 35	4 20	19 50	0 49	27 5	3 35	24 37	1 7	18 1	0 42	15 2	1 48	13 58	0 45	22 27	1 6	18 56	16 44	20 43	20 48	1 28	10 49	6 2
W10	18 51	13 17	4 52	20 19	0 55	27 0	3 30	24 39	1 8	18 5	0 42	15 1	1 48	13 58	0 45	22 27	1 6	18 56	16 44	20 43	20 48	1 26	10 49	6 2
T 11	19 6	9 29	5 11	20 46	1 1	26 54	3 25	24 40	1 8	18 8	0 42	15 1	1 48	13 58	0 45	22 27	1 6	18 56	16 44	20 43	20 47	1 23	10 49	6 1
F 12	19 21	5 22	5 17	21 13	1 7	26 47	3 20	24 41	1 8	18 12	0 42	15 0	1 47	13 57	0 45	22 27	1 6	18 55	16 43	20 43	20 46	1 21	10 49	6 1
S 13	19 35	1 5	5 9	21 39	1 12	26 40	3 14	24 41	1 8	18 15	0 42	14 59	1 47	13 57	0 45	22 27	1 6	18 55	16 43	20 43	20 46	1 18	10 49	6 1
S 14	19 49	3n16	4 48	22 3	1 18	26 33	3 8	24 42	1 8	18 19	0 42	14 58	1 47	13 57	0 45	22 27	1 6	18 55	16 43	20 43	20 45	1 16	10 49	6 0
M15	20 2	7 32	4 14	22 26	1 23	26 26	3 2	24 42	1 8	18 22	0 42	14 57	1 47	13 56	0 45	22 27	1 6	18 55	16 42	20 43	20 45	1 14	10 49	6 0
T 16	20 15	11 34	3 28	22 49	1 28	26 18	2 55	24 41	1 9	18 25	0 41	14 56	1 47	13 56	0 45	22 27	1 6	18 55	16 42	20 43	20 44	1 11	10 48	5 59
W17	20 28	15 11	2 32	23 10	1 33	26 9	2 48	24 41	1 9	18 29	0 41	14 55	1 47	13 56	0 45	22 26	1 6	18 55	16 42	20 43	20 43	1 9	10 48	5 59
T 18	20 41	18 11	1 27	23 30	1 38	26 1	2 40	24 40	1 9	18 32	0 41	14 54	1 47	13 55	0 45	22 26	1 6	18 54	16 41	20 43	20 43	1 6	10 48	5 59
F 19	20 53	20 21	0 17	23 48	1 42	25 52	2 32	24 39	1 9	18 35	0 41	14 53	1 47	13 55	0 45	22 26	1 6	18 54	16 41	20 43	20 42	1 4	10 48	5 58
S 20	21 4	21 28	0s55	24 6	1 47	25 42	2 24	24 38	1 9	18 38	0 41	14 52	1 46	13 54	0 45	22 26	1 6	18 54	16 41	20 43	20 41	1 2	10 48	5 58
S 21	21 15	21 23	2 6	24 22	1 51	25 33	2 15	24 36	1 9	18 42	0 41	14 51	1 46	13 54	0 45	22 26	1 6	18 54	16 40	20 43	20 41	0 59	10 48	5 57
M22	21 26	20 4	3 11	24 37	1 54	25 23	2 5	24 34	1 9	18 45	0 41	14 50	1 46	13 54	0 45	22 26	1 6	18 53	16 40	20 43	20 40	0 57	10 47	5 57
T 23	21 37	17 33	4 6	24 50	1 58	25 12	1 55	24 32	1 9	18 48	0 41	14 49	1 46	13 53	0 45	22 26	1 6	18 53	16 40	20 43	20 39	0 54	10 47	5 57
W24	21 47	14 0	4 47	25 3	2 1	25 1	1 45	24 30	1 9	18 51	0 41	14 47	1 46	13 53	0 45	22 26	1 6	18 53	16 39	20 42	20 39	0 52	10 47	5 56
T 25	21 56	9 39	5 11	25 13	2 4	24 50	1 34	24 27	1 9	18 54	0 41	14 46	1 46	13 52	0 45	22 26	1 6	18 53	16 39	20 42	20 38	0 50	10 46	5 56
F 26	22 5	4 46	5 17	25 23	2 6	24 39	1 23	24 24	1 10	18 57	0 41	14 45	1 46	13 52	0 45	22 26	1 6	18 52	16 39	20 42	20 38	0 47	10 46	5 56
S 27	22 14	0s24	5 3	25 30	2 9	24 28	1 11	24 20	1 10	19 0	0 41	14 44	1 46	13 51	0 45	22 26	1 6	18 52	16 38	20 42	20 37	0 45	10 46	5 55
S 28	22 22	5 33	4 31	25 37	2 10	24 16	0 59	24 17	1 10	19 3	0 41	14 42	1 45	13 51	0 45	22 26	1 6	18 52	16 38	20 42	20 36	0 42	10 45	5 55
M29	22 30	11 50	3 43	25 42	2 12	24 3	0 46	24 13	1 10	19 7	0 41	14 41	1 45	13 50	0 45	22 26	1 6	18 51	16 38	20 43	20 36	0 40	10 45	5 54
T 30	22s38	14s40	2s41	25s45	2s13	23s51	0s33	24s 9	1s10	19s10	0n41	14s39	1s45	13s50	0s45	22n26	1s 6	18s51	16s37	20s43	20s35	0s38	10s45	5n54

Julian Day Number = 2116197.5, Delta T = 18m43s
Ecliptic obliquity = 23°33'26, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°56'27, Lahiri = 11°03'28 Julian Calendar 1 Nov. 1081 == Greg. Calendar 7 Nov. 1081

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1081
geocentric

DECEMBER 1081 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 2 47	15♐17'55	15♏46	29♐11	8°R 5	13♑ 4	28♏15	25♒47	25♒24	27°R16	20♓51	2♐15	1♐33	17♓ 0	15♒ 7	W 1
T 2	5 6 43	16°19'07	29°35	0♑44	7♑51	13°51	28°29	25°51	25°26	27♊14	20°51	2°R16	1°30	17° 7	15°10	T 2
F 3	5 10 40	17°20'19	13♐12	2°16	7°34	14°38	28°42	25°55	25°28	27°13	20°51	2°16	1°26	17°14	15°13	F 3
S 4	5 14 36	18°21'31	26°33	3°48	7°15	15°25	28°55	25°59	25°29	27°11	20°51	2°15	1°23	17°21	15°16	S 4
S 5	5 18 33	19°22'43	9♑38	5°19	6°54	16°12	29° 8	26° 4	25°31	27° 9	20°51	2°13	1°20	17°27	15°18	S 5
M 6	5 22 29	20°23'56	22°25	6°49	6°30	16°59	29°21	26° 8	25°33	27° 8	20°51	2°10	1°17	17°34	15°21	M 6
T 7	5 26 26	21°25'09	4♒57	8°18	6° 4	17°47	29°34	26°12	25°35	27° 6	20°52	2° 7	1°14	17°41	15°24	T 7
W 8	5 30 23	22°26'21	17°13	9°46	5°37	18°34	29°47	26°17	25°37	27° 4	20°52	2° 4	1°10	17°48	15°27	W 8
T 9	5 34 19	23°27'34	29°17	11°12	5° 7	19°21	0♐ 0	26°21	25°39	27° 2	20°52	2° 1	1° 7	17°54	15°30	T 9
F 10	5 38 16	24°28'46	11♓13	12°36	4°36	20° 8	0°13	26°26	25°41	27° 1	20°52	1°59	1° 4	18° 1	15°33	F 10
S 11	5 42 12	25°29'59	23° 5	13°58	4° 3	20°55	0°26	26°31	25°43	26°59	20°52	1°D58	1° 1	18° 8	15°36	S 11
S 12	5 46 9	26°31'11	4♈58	15°17	3°29	21°42	0°39	26°36	25°45	26°57	20°53	1°59	0°58	18°14	15°39	S 12
M13	5 50 5	27°32'23	16°56	16°33	2°54	22°30	0°51	26°40	25°47	26°56	20°53	2° 0	0°55	18°21	15°42	M13
T 14	5 54 2	28°33'34	29° 5	17°45	2°18	23°17	1° 4	26°45	25°49	26°54	20°53	2° 2	0°51	18°28	15°45	T 14
W15	5 57 58	29°34'46	11♉29	18°52	1°42	24° 4	1°17	26°50	25°52	26°52	20°54	2° 3	0°48	18°35	15°49	W15
T 16	6 1 55	0♑35'57	24°12	19°54	1° 5	24°51	1°30	26°56	25°54	26°51	20°54	2° 5	0°45	18°41	15°52	T 16
F 17	6 5 52	1°37'08	7♊15	20°51	0°28	25°39	1°42	27° 1	25°56	26°49	20°55	2°R 5	0°42	18°48	15°55	F 17
S 18	6 9 48	2°38'18	20°40	21°40	29♐52	26°26	1°55	27° 6	25°58	26°47	20°55	2° 3	0°39	18°55	15°59	S 18
S 19	6 13 45	3°39'28	4♋26	22°22	29°16	27°13	2° 7	27°11	26° 1	26°45	20°55	2° 0	0°36	19° 1	16° 2	S 19
M20	6 17 41	4°40'38	18°31	22°55	28°40	28° 0	2°20	27°17	26° 3	26°44	20°56	1°56	0°32	19° 8	16° 5	M20
T 21	6 21 38	5°41'48	2♌48	23°19	28° 6	28°48	2°32	27°22	26° 6	26°42	20°56	1°51	0°29	19°15	16° 9	T 21
W22	6 25 34	6°42'58	17°13	23°32	27°32	29°35	2°44	27°28	26° 8	26°40	20°57	1°45	0°26	19°22	16°12	W22
T 23	6 29 31	7°44'07	1♍41	23°R35	27° 1	0♒22	2°57	27°33	26°11	26°39	20°58	1°40	0°23	19°28	16°16	T 23
F 24	6 33 27	8°45'16	16° 5	23°25	26°30	1°10	3° 9	27°39	26°13	26°37	20°58	1°37	0°20	19°35	16°19	F 24
S 25	6 37 24	9°46'25	0♎22	23° 4	26° 2	1°57	3°21	27°45	26°16	26°35	20°59	1°35	0°16	19°42	16°23	S 25
S 26	6 41 21	10°47'34	14°28	22°32	25°35	2°45	3°33	27°50	26°19	26°34	20°59	1°D34	0°13	19°48	16°27	S 26
M27	6 45 17	11°48'43	28°24	21°48	25°11	3°32	3°45	27°56	26°21	26°32	21° 0	1°35	0°10	19°55	16°30	M27
T 28	6 49 14	12°49'51	12♏ 8	20°54	24°49	4°19	3°57	28° 2	26°24	26°31	21° 1	1°37	0° 7	20° 2	16°34	T 28
W29	6 53 10	13°50'59	25°41	19°51	24°29	5° 7	4° 9	28° 8	26°27	26°29	21° 1	1°R38	0° 4	20° 9	16°38	W29
T 30	6 57 7	14°52'07	9♐ 3	18°41	24°11	5°54	4°21	28°14	26°29	26°27	21° 2	1°38	0° 1	20°15	16°42	T 30
F 31	7 1 3	15♑53'15	22♐14	17♑27	23♐56	6♒42	4♐32	28♒20	26♒32	26♊26	21♓ 3	1♐36	29♏57	20♓22	16♒45	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s45	18s 5	1s30	25s47	2s13	23s38	0s20	24s 4	1s10	19s13	0n41	14s38	1s45	13s49	0s45	22n26	1s 6	18s51	16s37	20s43	20s34	0s35	10s44	5n54
T 2	22 51	20 24	0 15	25 47	2 13	23 25	0 6	23 59	1 10	19 16	0 41	14 37	1 45	13 48	0 45	22 26	1 6	18 50	16 36	20 43	20 34	0 33	10 44	5 53
F 3	22 57	21 30	1n 0	25 45	2 13	23 12	0n 8	23 54	1 10	19 18	0 41	14 35	1 45	13 48	0 45	22 26	1 6	18 50	16 36	20 43	20 33	0 30	10 43	5 53
S 4	23 3	21 21	2 10	25 42	2 12	22 58	0 23	23 49	1 10	19 21	0 41	14 34	1 45	13 47	0 45	22 26	1 6	18 50	16 36	20 43	20 32	0 28	10 43	5 53
S 5	23 8	20 1	3 12	25 37	2 10	22 45	0 38	23 43	1 10	19 24	0 40	14 32	1 45	13 46	0 45	22 26	1 6	18 49	16 35	20 42	20 32	0 26	10 42	5 52
M 6	23 12	17 42	4 3	25 31	2 8	22 31	0 53	23 38	1 10	19 27	0 40	14 30	1 45	13 46	0 44	22 26	1 6	18 49	16 35	20 42	20 31	0 23	10 42	5 52
T 7	23 17	14 35	4 40	25 23	2 5	22 17	1 8	23 31	1 10	19 30	0 40	14 29	1 44	13 45	0 44	22 26	1 6	18 48	16 35	20 41	20 30	0 21	10 41	5 52
W 8	23 20	10 55	5 4	25 13	2 2	22 2	1 24	23 25	1 10	19 33	0 40	14 27	1 44	13 44	0 44	22 26	1 6	18 48	16 34	20 41	20 30	0 19	10 41	5 51
T 9	23 24	6 52	5 14	25 2	1 57	21 48	1 40	23 18	1 10	19 36	0 40	14 26	1 44	13 44	0 44	22 26	1 6	18 48	16 34	20 40	20 29	0 16	10 40	5 51
F 10	23 26	2 36	5 11	24 49	1 52	21 33	1 55	23 11	1 10	19 38	0 40	14 24	1 44	13 43	0 44	22 26	1 6	18 47	16 34	20 40	20 28	0 14	10 40	5 51
S 11	23 29	1n44	4 54	24 35	1 46	21 19	2 11	23 4	1 10	19 41	0 40	14 22	1 44	13 42	0 44	22 26	1 6	18 47	16 33	20 39	20 28	0 11	10 39	5 51
S 12	23 31	6 1	4 24	24 19	1 40	21 4	2 26	22 57	1 10	19 44	0 40	14 20	1 44	13 42	0 44	22 26	1 6	18 46	16 33	20 40	20 27	0 9	10 39	5 50
M13	23 32	10 7	3 43	24 3	1 32	20 50	2 42	22 49	1 10	19 47	0 40	14 19	1 44	13 41	0 44	22 26	1 6	18 46	16 33	20 40	20 26	0 7	10 38	5 50
T 14	23 33	13 52	2 51	23 45	1 23	20 35	2 57	22 41	1 10	19 49	0 40	14 17	1 44	13 40	0 44	22 26	1 6	18 45	16 32	20 40	20 26	0 4	10 37	5 50
W15	23 33	17 6	1 51	23 26	1 13	20 21	3 12	22 33	1 10	19 52	0 40	14 15	1 44	13 39	0 44	22 26	1 6	18 45	16 32	20 40	20 25	0 2	10 37	5 49
T 16	23 33	19 37	0 43	23 6	1 2	20 7	3 27	22 24	1 9	19 54	0 40	14 13	1 44	13 38	0 44	22 26	1 6	18 45	16 31	20 41	20 24	0n 0	10 36	5 49
F 17	23 33	21 10	0s28	22 46	0 50	19 53	3 41	22 15	1 9	19 57	0 40	14 11	1 44	13 38	0 44	22 26	1 6	18 44	16 31	20 41	20 24	0 3	10 35	5 49
S 18	23 32	21 34	1 40	22 25	0 37	19 39	3 55	22 6	1 9	20 0	0 40	14 9	1 43	13 37	0 44	22 26	1 6	18 44	16 31	20 40	20 23	0 5	10 35	5 48
S 19	23 30	20 41	2 48	22 4	0 23	19 26	4 8	21 57	1 9	20 2	0 40	14 7	1 43	13 36	0 44	22 25	1 6	18 43	16 30	20 40	20 22	0 8	10 34	5 48
M20	23 28	18 32	3 47	21 44	0 8	19 13	4 20	21 47	1 9	20 5	0 40	14 5	1 43	13 35	0 44	22 25	1 6	18 43	16 30	20 39	20 22	0 10	10 33	5 48
T 21	23 26	15 13	4 32	21 24	0n 9	19 0	4 32	21 38	1 9	20 7	0 40	14 4	1 43	13 34	0 44	22 25	1 6	18 42	16 30	20 38	20 21	0 12	10 32	5 48
W22	23 23	10 58	5 1	21 4	0 26	18 48	4 44	21 28	1 9	20 9	0 40	14 2	1 43	13 33	0 44	22 25	1 6	18 41	16 29	20 37	20 20	0 15	10 32	5 47
T 23	23 20	6 5	5 11	20 46	0 44	18 37	4 54	21 17	1 9	20 12	0 40	14 0	1 43	13 33	0 44	22 25	1 5	18 41	16 29	20 36	20 20	0 17	10 31	5 47
F 24	23 16	0 54	5 1	20 29	1 3	18 26	5 4	21 7	1 9	20 14	0 40	13 58	1 43	13 32	0 44	22 25	1 5	18 40	16 29	20 35	20 19	0 19	10 30	5 47
S 25	23 12	4s19	4 33	20 14	1 22	18 16	5 14	20 56	1 8	20 17	0 40	13 55	1 43	13 31	0 44	22 25	1 5	18 40	16 28	20 35	20 18	0 22	10 29	5 47
S 26	23 7	9 14	3 48	20 1	1 41	18 7	5 22	20 45	1 8	20 19	0 40	13 53	1 43	13 30	0 44	22 25	1 5	18 39	16 28	20 35	20 18	0 24	10 28	5 46
M27	23 2	13 37	2 51	19 49	1 59	17 58	5 30	20 34	1 8	20 21	0 40	13 51	1 43	13 29	0 44	22 25	1 5	18 39	16 28	20 35	20 17	0 26	10 27	5 46
T 28	22 56	17 12	1 44	19 40	2 17	17 50	5 37	20 22	1 8	20 23	0 40	13 49	1 43	13 28	0 44	22 25	1 5	18 38	16 27	20 35	20 16	0 29	10 27	5 46
W29	22 50	19 48	0 32	19 33	2 34	17 43	5 44	20 11	1 8	20 26	0 40	13 47	1 43	13 27	0 44	22 25	1 5	18 38	16 27	20 35	20 16	0 31	10 26	5 46
T 30	22 43	21 15	0n40	19 27	2 49	17 36	5 50	19 59	1 8	20 28	0 40	13 45	1 43	13 26	0 44	22 25	1 5	18 37	16 27	20 35	20 15	0 34	10 25	5 46
F 31	22s36	21s31	1n49	19s24	3n 2	17s31	5n55	19s47	1s 7	20s30	0n40	13s43	1s43	13s25	0s44	22n25	1s 5	18s36	16s26	20s35	20s14	0n36	10s24	5n45

Julian Day Number = 2116227.5, Delta T = 18m43s
Ecliptic obliquity = 23°33'25, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°56'31, Lahiri = 11°03'32 Julian Calendar 1 Dec. 1081 == Greg. Calendar 7 Dec. 1081

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1082
geocentric

JANUARY 1082 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 5 0	16♉54'21	5♉13	16°R 9	23°R44	7♒29	4♐44	28♒26	26♒35	26°R24	21♓ 3	1°R31	29♏54	20♓29	16♒49	S 1
S 2	7 8 57	17°55'27	18° 0	14♉52	23♐34	8°16	4°56	28°33	26°38	26♊23	21° 4	1♐25	29°51	20°35	16°53	S 2
M 3	7 12 53	18°56'33	0♒36	13°37	23°26	9° 4	5° 7	28°39	26°41	26°21	21° 5	1°16	29°48	20°42	16°57	M 3
T 4	7 16 50	19°57'37	12°59	12°26	23°21	9°51	5°19	28°45	26°44	26°19	21° 6	1° 7	29°45	20°49	17° 1	T 4
W 5	7 20 46	20°58'40	25°11	11°21	23°18	10°39	5°30	28°51	26°47	26°18	21° 7	0°57	29°42	20°56	17° 5	W 5
T 6	7 24 43	21°59'43	7♓13	10°23	23°D18	11°26	5°41	28°58	26°50	26°16	21° 8	0°48	29°38	21° 2	17° 9	T 6
F 7	7 28 39	23° 0'44	19° 8	9°34	23°20	12°13	5°53	29° 4	26°53	26°15	21° 8	0°40	29°35	21° 9	17°13	F 7
S 8	7 32 36	24° 1'44	0♈58	8°53	23°24	13° 1	6° 4	29°11	26°56	26°13	21° 9	0°35	29°32	21°16	17°17	S 8
S 9	7 36 32	25° 2'42	12°49	8°21	23°31	13°48	6°15	29°17	26°59	26°12	21°10	0°32	29°29	21°22	17°21	S 9
M10	7 40 29	26° 3'40	24°45	7°57	23°40	14°35	6°26	29°24	27° 2	26°11	21°11	0°D31	29°26	21°29	17°25	M10
T 11	7 44 25	27° 4'36	6♉50	7°43	23°51	15°23	6°37	29°30	27° 5	26° 9	21°12	0°31	29°22	21°36	17°29	T 11
W12	7 48 22	28° 5'31	19°11	7°D36	24° 5	16°10	6°47	29°37	27° 8	26° 8	21°13	0°32	29°19	21°43	17°33	W12
T 13	7 52 19	29° 6'24	1♊53	7°37	24°20	16°58	6°58	29°44	27°11	26° 6	21°14	0°R33	29°16	21°49	17°37	T 13
F 14	7 56 15	0♒ 7'17	14°58	7°46	24°38	17°45	7° 9	29°51	27°14	26° 5	21°15	0°32	29°13	21°56	17°41	F 14
S 15	8 0 12	1° 8'07	28°31	8° 2	24°58	18°32	7°19	29°57	27°17	26° 4	21°16	0°28	29°10	22° 3	17°45	S 15
S 16	8 4 8	2° 8'57	12♋31	8°23	25°19	19°20	7°30	0♓ 4	27°20	26° 2	21°17	0°23	29° 7	22° 9	17°49	S 16
M17	8 8 5	3° 9'45	26°55	8°51	25°42	20° 7	7°40	0°11	27°24	26° 1	21°18	0°14	29° 3	22°16	17°53	M17
T 18	8 12 1	4°10'31	11♌38	9°24	26° 7	20°54	7°50	0°18	27°27	26° 0	21°19	0° 4	29° 0	22°23	17°57	T 18
W19	8 15 58	5°11'17	26°32	10° 2	26°34	21°41	8° 0	0°25	27°30	25°59	21°20	29♏54	28°57	22°30	18° 1	W19
T 20	8 19 55	6°12'01	11♍28	10°44	27° 3	22°29	8°10	0°32	27°33	25°57	21°21	29°44	28°54	22°36	18° 6	T 20
F 21	8 23 51	7°12'43	26°16	11°30	27°33	23°16	8°20	0°39	27°37	25°56	21°22	29°36	28°51	22°43	18°10	F 21
S 22	8 27 48	8°13'25	10♎51	12°20	28° 4	24° 3	8°30	0°46	27°40	25°55	21°24	29°31	28°48	22°50	18°14	S 22
S 23	8 31 44	9°14'06	25° 7	13°13	28°37	24°50	8°39	0°53	27°43	25°54	21°25	29°28	28°44	22°56	18°18	S 23
M24	8 35 41	10°14'45	9♏ 4	14°10	29°12	25°38	8°49	1° 0	27°47	25°53	21°26	29°D27	28°41	23° 3	18°22	M24
T 25	8 39 37	11°15'24	22°41	15° 9	29°48	26°25	8°59	1° 7	27°50	25°52	21°27	29°R28	28°38	23°10	18°27	T 25
W26	8 43 34	12°16'01	6♐ 0	16°11	0♉25	27°12	9° 8	1°14	27°53	25°51	21°28	29°28	28°35	23°17	18°31	W26
T 27	8 47 30	13°16'37	19° 3	17°16	1° 4	27°59	9°17	1°21	27°57	25°49	21°29	29°26	28°32	23°23	18°35	T 27
F 28	8 51 27	14°17'11	1♉53	18°23	1°43	28°46	9°26	1°29	28° 0	25°48	21°31	29°22	28°28	23°30	18°39	F 28
S 29	8 55 24	15°17'45	14°32	19°31	2°24	29°33	9°35	1°36	28° 3	25°47	21°32	29°15	28°25	23°37	18°43	S 29
S 30	8 59 20	16°18'16	27° 1	20°42	3° 6	0♓20	9°44	1°43	28° 7	25°46	21°33	29° 5	28°22	23°43	18°48	S 30
M31	9 3 17	17♒18'46	9♒21	21♉55	3♉49	1♓ 7	9♐53	1♓50	28♒10	25♊46	21♓34	28♏52	28♏19	23♓50	18♒52	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s29	20s36	2n51	19s22	3n13	17s26	5n59	19s34	1s 7	20s32	0n40	13s40	1s42	13s24	0s44	22n25	1s 5	18s36	16s26	20s34	20s14	0n38	10s23	5n45
S 2	22 21	18 39	3 44	19 23	3 22	17 21	6 3	19 22	1 7	20 34	0 40	13 38	1 42	13 23	0 44	22 25	1 5	18 35	16 26	20 33	20 13	0 41	10 22	5 45
M 3	22 13	15 49	4 24	19 24	3 28	17 18	6 6	19 9	1 7	20 36	0 40	13 36	1 42	13 22	0 44	22 25	1 5	18 35	16 25	20 31	20 12	0 43	10 21	5 45
T 4	22 4	12 20	4 51	19 27	3 32	17 15	6 9	18 56	1 7	20 38	0 40	13 34	1 42	13 21	0 44	22 25	1 5	18 34	16 25	20 29	20 12	0 45	10 20	5 45
W 5	21 55	8 24	5 5	19 32	3 33	17 13	6 11	18 43	1 6	20 40	0 40	13 31	1 42	13 20	0 44	22 25	1 5	18 33	16 25	20 27	20 11	0 48	10 19	5 44
T 6	21 45	4 12	5 4	19 37	3 32	17 12	6 12	18 30	1 6	20 42	0 40	13 29	1 42	13 19	0 44	22 25	1 5	18 33	16 25	20 25	20 10	0 50	10 18	5 44
F 7	21 35	0n 8	4 51	19 44	3 29	17 11	6 13	18 16	1 6	20 44	0 40	13 27	1 42	13 18	0 44	22 25	1 5	18 32	16 24	20 23	20 10	0 52	10 17	5 44
S 8	21 25	4 26	4 25	19 52	3 24	17 11	6 13	18 2	1 6	20 46	0 40	13 25	1 42	13 17	0 44	22 25	1 5	18 32	16 24	20 22	20 9	0 55	10 16	5 44
S 9	21 14	8 34	3 47	20 0	3 18	17 11	6 13	17 49	1 5	20 48	0 40	13 22	1 42	13 16	0 44	22 25	1 5	18 31	16 24	20 22	20 8	0 57	10 15	5 44
M10	21 2	12 25	3 0	20 9	3 11	17 12	6 13	17 34	1 5	20 50	0 40	13 20	1 42	13 15	0 44	22 25	1 5	18 30	16 23	20 22	20 8	0 59	10 14	5 44
T 11	20 51	15 48	2 4	20 18	3 2	17 13	6 12	17 20	1 5	20 52	0 40	13 17	1 42	13 14	0 44	22 25	1 5	18 30	16 23	20 22	20 7	1 2	10 13	5 43
W12	20 39	18 35	1 0	20 28	2 53	17 15	6 11	17 6	1 5	20 54	0 40	13 15	1 42	13 13	0 44	22 25	1 5	18 29	16 23	20 22	20 6	1 4	10 12	5 43
T 13	20 26	20 31	0s 7	20 37	2 43	17 17	6 9	16 51	1 4	20 56	0 40	13 13	1 42	13 11	0 44	22 25	1 5	18 28	16 23	20 22	20 6	1 6	10 11	5 43
F 14	20 13	21 26	1 16	20 47	2 33	17 20	6 7	16 36	1 4	20 57	0 40	13 10	1 42	13 10	0 44	22 25	1 5	18 28	16 22	20 22	20 5	1 9	10 10	5 43
S 15	20 0	21 9	2 24	20 57	2 22	17 23	6 5	16 21	1 4	20 59	0 40	13 8	1 42	13 9	0 43	22 25	1 5	18 27	16 22	20 21	20 4	1 11	10 9	5 43
S 16	19 47	19 35	3 24	21 7	2 11	17 27	6 2	16 6	1 4	21 1	0 40	13 5	1 42	13 8	0 43	22 25	1 5	18 26	16 22	20 20	20 3	1 13	10 8	5 43
M17	19 33	16 44	4 14	21 16	2 0	17 30	5 59	15 51	1 3	21 3	0 40	13 3	1 42	13 7	0 43	22 25	1 5	18 26	16 21	20 18	20 3	1 16	10 6	5 43
T 18	19 18	12 46	4 47	21 25	1 49	17 34	5 56	15 36	1 3	21 4	0 40	13 0	1 42	13 6	0 43	22 25	1 5	18 25	16 21	20 16	20 2	1 18	10 5	5 42
W19	19 4	8 0	5 2	21 33	1 37	17 38	5 52	15 20	1 3	21 6	0 40	12 58	1 42	13 5	0 43	22 25	1 5	18 25	16 21	20 14	20 1	1 20	10 4	5 42
T 20	18 49	2 44	4 57	21 41	1 26	17 43	5 49	15 4	1 2	21 7	0 40	12 55	1 42	13 4	0 43	22 25	1 5	18 24	16 21	20 12	20 1	1 23	10 3	5 42
F 21	18 34	2s39	4 31	21 48	1 15	17 47	5 45	14 48	1 2	21 9	0 40	12 53	1 42	13 2	0 43	22 25	1 5	18 23	16 20	20 10	20 0	1 25	10 2	5 42
S 22	18 18	7 48	3 48	21 55	1 4	17 52	5 41	14 32	1 2	21 11	0 40	12 50	1 42	13 1	0 43	22 25	1 5	18 23	16 20	20 9	19 59	1 27	10 1	5 42
S 23	18 2	12 26	2 52	22 0	0 54	17 56	5 37	14 16	1 1	21 12	0 40	12 48	1 42	13 0	0 43	22 25	1 5	18 22	16 20	20 8	19 59	1 30	9 59	5 42
M24	17 46	16 16	1 46	22 5	0 43	18 1	5 32	14 0	1 1	21 14	0 40	12 45	1 42	12 59	0 43	22 25	1 5	18 21	16 20	20 8	19 58	1 32	9 58	5 42
T 25	17 29	19 7	0 36	22 9	0 33	18 6	5 28	13 43	1 1	21 15	0 40	12 43	1 42	12 58	0 43	22 25	1 5	18 20	16 20	20 8	19 57	1 34	9 57	5 42
W26	17 12	20 51	0n35	22 11	0 23	18 11	5 23	13 27	1 0	21 16	0 40	12 40	1 42	12 57	0 43	22 25	1 5	18 20	16 19	20 8	19 56	1 37	9 56	5 42
T 27	16 55	21 25	1 42	22 13	0 13	18 15	5 18	13 10	1 0	21 18	0 40	12 38	1 42	12 55	0 43	22 25	1 5	18 19	16 19	20 8	19 56	1 39	9 55	5 42
F 28	16 37	20 50	2 43	22 14	0 4	18 20	5 13	12 53	1 0	21 19	0 40	12 35	1 42	12 54	0 43	22 25	1 4	18 18	16 19	20 7	19 55	1 41	9 53	5 42
S 29	16 20	19 12	3 34	22 13	0s 6	18 25	5 8	12 36	0 59	21 21	0 40	12 32	1 42	12 53	0 43	22 25	1 4	18 18	16 19	20 5	19 54	1 44	9 52	5 42
S 30	16 2	16 41	4 15	22 12	0 15	18 29	5 2	12 19	0 59	21 22	0 40	12 30	1 42	12 52	0 43	22 25	1 4	18 17	16 18	20 3	19 54	1 46	9 51	5 42
M31	15s43	13s27	4n43	22s 9	0s23	18s33	4n57	12s 2	0s58	21s23	0n40	12s27	1s42	12s51	0s43	22n25	1s 4	18s16	16s18	20s 0	19s53	1n48	9s50	5n41

Julian Day Number = 2116258.5, Delta T = 18m42s
Ecliptic obliquity = 23°33'25, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°56'36, Lahiri = 11°03'36 Julian Calendar 1 Jan. 1082 == Greg. Calendar 7 Jan. 1082

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1082
geocentric

FEBRUARY 1082 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 7 13	18♒19'15	21♒33	23♑10	4♑33	1♓54	10♐ 1	1♓58	28♒14	25°R45	21♓36	28°R38	28♏16	23♓57	18♒56	T 1
W 2	9 11 10	19°19'42	3♓37	24°26	5°18	2°41	10°10	2° 5	28°17	25♊44	21°37	28♏24	28°13	24° 4	19° 0	W 2
T 3	9 15 6	20°20'07	15°34	25°43	6° 4	3°28	10°18	2°12	28°20	25°43	21°38	28°10	28° 9	24°10	19° 5	T 3
F 4	9 19 3	21°20'30	27°27	27° 3	6°51	4°15	10°27	2°19	28°24	25°42	21°40	27°58	28° 6	24°17	19° 9	F 4
S 5	9 22 59	22°20'51	9♈16	28°23	7°38	5° 2	10°35	2°27	28°27	25°41	21°41	27°49	28° 3	24°24	19°13	S 5
S 6	9 26 56	23°21'10	21° 6	29°45	8°27	5°49	10°43	2°34	28°31	25°41	21°42	27°42	28° 0	24°30	19°17	S 6
M 7	9 30 52	24°21'28	2♉59	1♒ 8	9°16	6°36	10°51	2°41	28°34	25°40	21°44	27°39	27°57	24°37	19°22	M 7
T 8	9 34 49	25°21'43	15° 2	2°33	10° 6	7°23	10°58	2°49	28°38	25°39	21°45	27°38	27°54	24°44	19°26	T 8
W 9	9 38 46	26°21'56	27°19	3°59	10°57	8°10	11° 6	2°56	28°41	25°38	21°46	27°37	27°50	24°50	19°30	W 9
T 10	9 42 42	27°22'07	9♊55	5°26	11°48	8°57	11°13	3° 4	28°44	25°38	21°48	27°37	27°47	24°57	19°34	T 10
F 11	9 46 39	28°22'16	22°56	6°54	12°40	9°43	11°21	3°11	28°48	25°37	21°49	27°36	27°44	25° 4	19°38	F 11
S 12	9 50 35	29°22'23	6♋25	8°24	13°33	10°30	11°28	3°18	28°51	25°37	21°50	27°32	27°41	25°11	19°43	S 12
S 13	9 54 32	0♓22'28	20°24	9°54	14°26	11°17	11°35	3°26	28°55	25°36	21°52	27°26	27°38	25°17	19°47	S 13
M14	9 58 28	1°22'30	4♌53	11°26	15°20	12° 3	11°42	3°33	28°58	25°36	21°53	27°17	27°34	25°24	19°51	M14
T 15	10 2 25	2°22'31	19°46	12°59	16°15	12°50	11°48	3°41	29° 2	25°35	21°55	27° 6	27°31	25°31	19°55	T 15
W16	10 6 21	3°22'29	4♍55	14°33	17°10	13°37	11°55	3°48	29° 5	25°35	21°56	26°55	27°28	25°37	19°59	W16
T 17	10 10 18	4°22'26	20°11	16° 8	18° 6	14°23	12° 1	3°55	29° 9	25°34	21°57	26°44	27°25	25°44	20° 3	T 17
F 18	10 14 15	5°22'20	5♎22	17°44	19° 2	15°10	12° 8	4° 3	29°12	25°34	21°59	26°35	27°22	25°51	20° 7	F 18
S 19	10 18 11	6°22'13	20°17	19°22	19°59	15°56	12°14	4°10	29°15	25°33	22° 0	26°28	27°19	25°58	20°12	S 19
S 20	10 22 8	7°22'04	4♏51	21° 0	20°56	16°43	12°20	4°18	29°19	25°33	22° 2	26°24	27°15	26° 4	20°16	S 20
M21	10 26 4	8°21'53	18°59	22°40	21°54	17°29	12°26	4°25	29°22	25°33	22° 3	26°23	27°12	26°11	20°20	M21
T 22	10 30 1	9°21'41	2♐42	24°21	22°52	18°16	12°31	4°33	29°26	25°33	22° 5	26°23	27° 9	26°18	20°24	T 22
W23	10 33 57	10°21'27	16° 1	26° 3	23°51	19° 2	12°37	4°40	29°29	25°32	22° 6	26°23	27° 6	26°24	20°28	W23
T 24	10 37 54	11°21'11	28°59	27°47	24°50	19°48	12°42	4°47	29°33	25°32	22° 8	26°22	27° 3	26°31	20°32	T 24
F 25	10 41 50	12°20'54	11♑39	29°31	25°49	20°35	12°47	4°55	29°36	25°32	22° 9	26°18	26°59	26°38	20°36	F 25
S 26	10 45 47	13°20'35	24° 6	1♓17	26°49	21°21	12°52	5° 2	29°39	25°32	22°11	26°12	26°56	26°44	20°40	S 26
S 27	10 49 44	14°20'13	6♒22	3° 4	27°49	22° 7	12°57	5° 9	29°43	25°32	22°12	26° 3	26°53	26°51	20°44	S 27
M28	10 53 40	15♓19'50	18♒29	4♓52	28♑49	22♓53	13♐ 2	5♓17	29♒46	25♊32	22♓13	25♏52	26♏50	26♓58	20♒48	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s25	9s42	4n58	22s 5	0s32	18s37	4n52	11s45	0s58	21s24	0n40	12s25	1s42	12s50	0s43	22n25	1s 4	18s16	16s18	19s57	19s52	1n51	9s48	5n41
W 2	15 6	5 35	4 59	22 0	0 40	18 41	4 46	11 28	0 58	21 26	0 40	12 22	1 42	12 48	0 43	22 25	1 4	18 15	16 18	19 54	19 52	1 53	9 47	5 41
T 3	14 47	1 19	4 46	21 53	0 48	18 45	4 40	11 10	0 57	21 27	0 40	12 19	1 42	12 47	0 43	22 25	1 4	18 14	16 18	19 51	19 51	1 55	9 46	5 41
F 4	14 27	2n59	4 22	21 45	0 55	18 49	4 35	10 53	0 57	21 28	0 40	12 17	1 42	12 46	0 43	22 25	1 4	18 14	16 18	19 48	19 50	1 57	9 45	5 41
S 5	14 8	7 9	3 46	21 36	1 2	18 52	4 29	10 35	0 56	21 29	0 40	12 14	1 42	12 45	0 43	22 25	1 4	18 13	16 17	19 46	19 49	2 0	9 43	5 41
S 6	13 48	11 3	3 0	21 26	1 9	18 55	4 23	10 17	0 56	21 30	0 40	12 12	1 42	12 44	0 43	22 25	1 4	18 12	16 17	19 45	19 49	2 2	9 42	5 41
M 7	13 28	14 33	2 6	21 14	1 16	18 57	4 17	10 0	0 56	21 31	0 40	12 9	1 42	12 42	0 43	22 25	1 4	18 12	16 17	19 44	19 48	2 4	9 41	5 41
T 8	13 8	17 29	1 6	21 1	1 22	19 0	4 11	9 42	0 55	21 32	0 40	12 6	1 42	12 41	0 43	22 25	1 4	18 11	16 17	19 44	19 47	2 7	9 40	5 41
W 9	12 47	19 41	0 2	20 47	1 28	19 2	4 5	9 24	0 55	21 33	0 40	12 4	1 42	12 40	0 43	22 25	1 4	18 10	16 17	19 44	19 47	2 9	9 38	5 41
T 10	12 27	20 59	1s 5	20 31	1 33	19 4	3 59	9 6	0 54	21 34	0 40	12 1	1 42	12 39	0 43	22 25	1 4	18 10	16 17	19 44	19 46	2 11	9 37	5 41
F 11	12 6	21 13	2 10	20 14	1 39	19 5	3 53	8 48	0 54	21 35	0 40	11 58	1 42	12 38	0 43	22 25	1 4	18 9	16 16	19 43	19 45	2 13	9 36	5 41
S 12	11 45	20 15	3 10	19 55	1 44	19 6	3 47	8 29	0 53	21 36	0 40	11 56	1 42	12 36	0 43	22 25	1 4	18 8	16 16	19 42	19 44	2 16	9 34	5 41
S 13	11 24	18 2	4 1	19 35	1 48	19 7	3 41	8 11	0 53	21 37	0 40	11 53	1 42	12 35	0 43	22 25	1 4	18 8	16 16	19 41	19 44	2 18	9 33	5 41
M14	11 2	14 38	4 38	19 14	1 52	19 7	3 35	7 53	0 53	21 38	0 40	11 50	1 42	12 34	0 43	22 25	1 4	18 7	16 16	19 39	19 43	2 20	9 32	5 41
T 15	10 41	10 15	4 58	18 51	1 56	19 7	3 29	7 35	0 52	21 39	0 40	11 48	1 42	12 33	0 43	22 25	1 4	18 6	16 16	19 36	19 42	2 23	9 30	5 41
W16	10 19	5 8	4 57	18 27	1 59	19 6	3 22	7 16	0 52	21 40	0 40	11 45	1 42	12 31	0 43	22 25	1 4	18 6	16 16	19 34	19 41	2 25	9 29	5 42
T 17	9 57	0s19	4 36	18 1	2 2	19 5	3 16	6 58	0 51	21 41	0 40	11 42	1 42	12 30	0 43	22 25	1 4	18 5	16 16	19 31	19 41	2 27	9 28	5 42
F 18	9 35	5 44	3 55	17 34	2 5	19 4	3 10	6 39	0 51	21 42	0 40	11 40	1 42	12 29	0 43	22 25	1 4	18 4	16 16	19 29	19 40	2 29	9 26	5 42
S 19	9 13	10 43	2 58	17 6	2 7	19 2	3 4	6 21	0 50	21 42	0 40	11 37	1 42	12 28	0 43	22 25	1 4	18 4	16 16	19 28	19 39	2 32	9 25	5 42
S 20	8 51	14 57	1 51	16 36	2 9	18 59	2 58	6 2	0 50	21 43	0 40	11 34	1 42	12 27	0 43	22 25	1 4	18 3	16 15	19 27	19 39	2 34	9 24	5 42
M21	8 28	18 11	0 39	16 4	2 10	18 57	2 52	5 43	0 49	21 44	0 40	11 32	1 42	12 25	0 43	22 25	1 3	18 2	16 15	19 26	19 38	2 36	9 22	5 42
T 22	8 6	20 15	0n33	15 31	2 11	18 53	2 45	5 25	0 49	21 45	0 40	11 29	1 43	12 24	0 43	22 26	1 3	18 2	16 15	19 26	19 37	2 39	9 21	5 42
W23	7 43	21 8	1 42	14 57	2 11	18 50	2 39	5 6	0 48	21 45	0 40	11 26	1 43	12 23	0 43	22 26	1 3	18 1	16 15	19 26	19 36	2 41	9 20	5 42
T 24	7 20	20 50	2 43	14 21	2 11	18 45	2 33	4 47	0 48	21 46	0 40	11 24	1 43	12 22	0 43	22 26	1 3	18 0	16 15	19 26	19 36	2 43	9 18	5 42
F 25	6 58	19 28	3 35	13 44	2 11	18 41	2 27	4 29	0 47	21 47	0 40	11 21	1 43	12 21	0 43	22 26	1 3	18 0	16 15	19 25	19 35	2 45	9 17	5 42
S 26	6 35	17 12	4 16	13 6	2 10	18 35	2 21	4 10	0 47	21 47	0 40	11 18	1 43	12 20	0 43	22 26	1 3	17 59	16 15	19 24	19 34	2 48	9 16	5 42
S 27	6 12	14 11	4 44	12 26	2 9	18 30	2 15	3 51	0 46	21 48	0 40	11 16	1 43	12 18	0 43	22 26	1 3	17 58	16 15	19 22	19 33	2 50	9 14	5 42
M28	5s49	10s37	4n59	11s44	2s 7	18s23	2n 9	3s32	0s46	21s48	0n40	11s13	1s43	12s17	0s43	22n26	1s 3	17s58	16s15	19s19	19s33	2n52	9s13	5n42

Julian Day Number = 2116289.5, Delta T = 18m42s
Ecliptic obliquity = 23°33'25, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°56'40, Lahiri = 11°03'40 Julian Calendar 1 Feb. 1082 == Greg. Calendar 7 Feb. 1082

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1082
geocentric

MARCH 1082 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 57 37	16♓19'25	0♓30	6♓42	29♉50	23♓39	13♐ 6	5♓24	29♒49	25°D32	22♓15	25°R39	26♏47	27♓ 5	20♒52	T 1
W 2	11 1 33	17°18'58	12°27	8°32	0♒52	24°25	13°11	5°31	29°53	25♊32	22°16	25♏26	26°44	27°11	20°56	W 2
T 3	11 5 30	18°18'29	24°19	10°25	1°53	25°11	13°15	5°39	29°56	25°32	22°18	25°13	26°40	27°18	20°59	T 3
F 4	11 9 26	19°17'58	6♈10	12°18	2°55	25°57	13°19	5°46	29°59	25°32	22°19	25° 2	26°37	27°25	21° 3	F 4
S 5	11 13 23	20°17'24	17°59	14°12	3°57	26°43	13°23	5°53	0♓ 3	25°32	22°21	24°53	26°34	27°31	21° 7	S 5
S 6	11 17 19	21°16'48	29°51	16° 8	4°59	27°29	13°26	6° 1	0° 6	25°32	22°22	24°48	26°31	27°38	21°11	S 6
M 7	11 21 16	22°16'11	11♉47	18° 5	6° 2	28°15	13°30	6° 8	0° 9	25°33	22°24	24°45	26°28	27°45	21°15	M 7
T 8	11 25 13	23°15'31	23°51	20° 3	7° 5	29° 1	13°33	6°15	0°12	25°33	22°25	24°D44	26°25	27°52	21°18	T 8
W 9	11 29 9	24°14'48	6♊ 8	22° 3	8° 8	29°47	13°36	6°22	0°16	25°33	22°27	24°44	26°21	27°58	21°22	W 9
T 10	11 33 6	25°14'03	18°42	24° 3	9°12	0♈33	13°39	6°29	0°19	25°33	22°28	24°45	26°18	28° 5	21°26	T 10
F 11	11 37 2	26°13'16	1♋38	26° 4	10°15	1°18	13°42	6°37	0°22	25°34	22°30	24°R45	26°15	28°12	21°29	F 11
S 12	11 40 59	27°12'27	15° 0	28° 7	11°19	2° 4	13°44	6°44	0°25	25°34	22°31	24°43	26°12	28°18	21°33	S 12
S 13	11 44 55	28°11'35	28°51	0♈10	12°23	2°50	13°47	6°51	0°28	25°34	22°33	24°40	26° 9	28°25	21°37	S 13
M14	11 48 52	29°10'41	13♌10	2°13	13°28	3°35	13°49	6°58	0°32	25°35	22°34	24°34	26° 5	28°32	21°40	M14
T 15	11 52 48	0♈ 9'44	27°57	4°17	14°32	4°21	13°51	7° 5	0°35	25°35	22°36	24°27	26° 2	28°38	21°44	T 15
W16	11 56 45	1° 8'45	13♍ 4	6°22	15°37	5° 6	13°53	7°12	0°38	25°36	22°37	24°18	25°59	28°45	21°47	W16
T 17	12 0 41	2° 7'44	28°21	8°26	16°42	5°51	13°54	7°19	0°41	25°36	22°39	24°10	25°56	28°52	21°51	T 17
F 18	12 4 38	3° 6'41	13♎39	10°30	17°47	6°37	13°56	7°26	0°44	25°37	22°40	24° 4	25°53	28°59	21°54	F 18
S 19	12 8 35	4° 5'36	28°46	12°33	18°53	7°22	13°57	7°33	0°47	25°37	22°42	23°59	25°50	29° 5	21°57	S 19
S 20	12 12 31	5° 4'29	13♏34	14°36	19°58	8° 7	13°58	7°40	0°50	25°38	22°43	23°57	25°46	29°12	22° 1	S 20
M21	12 16 28	6° 3'20	27°56	16°37	21° 4	8°53	13°59	7°46	0°53	25°39	22°45	23°D57	25°43	29°19	22° 4	M21
T 22	12 20 24	7° 2'09	11♐50	18°37	22°10	9°38	14° 0	7°53	0°56	25°39	22°46	23°58	25°40	29°25	22° 7	T 22
W23	12 24 21	8° 0'57	25°17	20°34	23°16	10°23	14° 1	8° 0	0°59	25°40	22°47	23°59	25°37	29°32	22°11	W23
T 24	12 28 17	8°59'43	8♑19	22°30	24°22	11° 8	14° 1	8° 7	1° 2	25°41	22°49	23°R59	25°34	29°39	22°14	T 24
F 25	12 32 14	9°58'27	21° 0	24°23	25°29	11°53	14°R 1	8°14	1° 4	25°42	22°50	23°59	25°31	29°45	22°17	F 25
S 26	12 36 10	10°57'09	3♒23	26°13	26°35	12°38	14° 1	8°20	1° 7	25°43	22°52	23°56	25°27	29°52	22°20	S 26
S 27	12 40 7	11°55'50	15°34	27°59	27°42	13°23	14° 1	8°27	1°10	25°43	22°53	23°52	25°24	29°59	22°23	S 27
M28	12 44 4	12°54'29	27°35	29°42	28°49	14° 8	14° 0	8°33	1°13	25°44	22°55	23°46	25°21	0♈ 6	22°26	M28
T 29	12 48 0	13°53'06	9♓30	1♉22	29°56	14°53	14° 0	8°40	1°16	25°45	22°56	23°39	25°18	0°12	22°29	T 29
W30	12 51 57	14°51'41	21°21	2°57	1♓ 3	15°38	13°59	8°46	1°18	25°46	22°57	23°31	25°15	0°19	22°32	W30
T 31	12 55 53	15♈50'14	3♈11	4♉28	2♓10	16♈22	13♐58	8♓53	1♓21	25♊47	22♓59	23♏24	25♏11	0♈26	22♒35	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s25	6s40	5n 0	11s 1	2s 4	18s17	2n 3	3s13	0s45	21s49	0n40	11s10	1s43	12s16	0s43	22n26	1s 3	17s57	16s15	19s16	19s32	2n54	9s12	5n43
W 2	5 2	2 29	4 48	10 17	2 1	18 10	1 57	2 55	0 45	21 49	0 40	11 8	1 43	12 15	0 43	22 26	1 3	17 57	16 15	19 13	19 31	2 57	9 10	5 43
T 3	4 39	1n46	4 24	9 31	1 58	18 2	1 51	2 36	0 44	21 50	0 40	11 5	1 43	12 14	0 43	22 26	1 3	17 56	16 15	19 10	19 30	2 59	9 9	5 43
F 4	4 15	5 57	3 48	8 44	1 54	17 54	1 45	2 17	0 44	21 50	0 40	11 2	1 43	12 12	0 43	22 26	1 3	17 55	16 15	19 7	19 30	3 1	9 8	5 43
S 5	3 52	9 54	3 3	7 56	1 50	17 45	1 40	1 58	0 43	21 51	0 40	11 0	1 43	12 11	0 43	22 26	1 3	17 55	16 15	19 5	19 29	3 4	9 7	5 43
S 6	3 28	13 29	2 9	7 6	1 45	17 36	1 34	1 39	0 43	21 51	0 40	10 57	1 43	12 10	0 43	22 26	1 3	17 54	16 15	19 4	19 28	3 6	9 5	5 43
M 7	3 5	16 32	1 9	6 15	1 39	17 26	1 28	1 21	0 42	21 52	0 40	10 55	1 44	12 9	0 43	22 26	1 3	17 54	16 15	19 3	19 28	3 8	9 4	5 43
T 8	2 41	18 54	0 5	5 23	1 33	17 16	1 22	1 2	0 42	21 52	0 41	10 52	1 44	12 8	0 43	22 26	1 3	17 53	16 15	19 3	19 27	3 10	9 3	5 43
W 9	2 18	20 27	1s 1	4 30	1 27	17 5	1 17	0 43	0 41	21 52	0 41	10 49	1 44	12 7	0 44	22 26	1 3	17 52	16 15	19 3	19 26	3 13	9 1	5 44
T 10	1 54	21 0	2 5	3 35	1 19	16 54	1 11	0 24	0 41	21 53	0 41	10 47	1 44	12 6	0 44	22 26	1 3	17 52	16 15	19 3	19 25	3 15	9 0	5 44
F 11	1 31	20 29	3 4	2 40	1 12	16 42	1 6	0 5	0 40	21 53	0 41	10 44	1 44	12 5	0 44	22 26	1 3	17 51	16 15	19 3	19 25	3 17	8 59	5 44
S 12	1 7	18 48	3 56	1 44	1 4	16 30	1 0	0n13	0 39	21 53	0 41	10 42	1 44	12 3	0 44	22 26	1 3	17 51	16 15	19 3	19 24	3 19	8 57	5 44
S 13	0 43	16 0	4 36	0 46	0 55	16 18	0 55	0 32	0 39	21 54	0 41	10 39	1 44	12 2	0 44	22 26	1 3	17 50	16 15	19 2	19 23	3 22	8 56	5 44
M14	0 20	12 9	5 0	0n11	0 46	16 4	0 49	0 51	0 38	21 54	0 41	10 37	1 44	12 1	0 44	22 26	1 3	17 50	16 15	19 0	19 22	3 24	8 55	5 44
T 15	0n 4	7 28	5 5	1 10	0 36	15 51	0 44	1 9	0 38	21 54	0 41	10 34	1 44	12 0	0 44	22 27	1 2	17 49	16 15	18 58	19 22	3 26	8 53	5 45
W16	0 27	2 14	4 50	2 8	0 26	15 37	0 39	1 28	0 37	21 54	0 41	10 32	1 44	11 59	0 44	22 27	1 2	17 48	16 15	18 56	19 21	3 28	8 52	5 45
T 17	0 51	3s13	4 14	3 7	0 16	15 22	0 34	1 47	0 37	21 55	0 41	10 29	1 45	11 58	0 44	22 27	1 2	17 48	16 15	18 54	19 20	3 30	8 51	5 45
F 18	1 15	8 28	3 19	4 6	0 5	15 7	0 29	2 5	0 36	21 55	0 41	10 27	1 45	11 57	0 44	22 27	1 2	17 47	16 15	18 53	19 19	3 33	8 50	5 45
S 19	1 38	13 8	2 11	5 5	0n 6	14 52	0 24	2 24	0 36	21 55	0 41	10 24	1 45	11 56	0 44	22 27	1 2	17 47	16 15	18 52	19 19	3 35	8 48	5 45
S 20	2 2	16 52	0 56	6 3	0 17	14 36	0 19	2 42	0 35	21 55	0 41	10 22	1 45	11 55	0 44	22 27	1 2	17 46	16 15	18 51	19 18	3 37	8 47	5 46
M21	2 25	19 27	0n22	7 0	0 29	14 20	0 14	3 1	0 34	21 55	0 41	10 19	1 45	11 54	0 44	22 27	1 2	17 46	16 16	18 51	19 17	3 39	8 46	5 46
T 22	2 48	20 45	1 35	7 57	0 40	14 3	0 9	3 19	0 34	21 55	0 41	10 17	1 45	11 53	0 44	22 27	1 2	17 45	16 16	18 51	19 16	3 42	8 45	5 46
W23	3 12	20 47	2 41	8 52	0 51	13 46	0 5	3 37	0 33	21 55	0 41	10 14	1 45	11 52	0 44	22 27	1 2	17 45	16 16	18 52	19 15	3 44	8 43	5 46
T 24	3 35	19 42	3 37	9 46	1 3	13 28	0s 0	3 56	0 33	21 55	0 41	10 12	1 45	11 51	0 44	22 27	1 2	17 44	16 16	18 52	19 15	3 46	8 42	5 46
F 25	3 58	17 38	4 20	10 38	1 14	13 10	0 5	4 14	0 32	21 55	0 41	10 9	1 46	11 50	0 44	22 27	1 2	17 44	16 16	18 52	19 14	3 48	8 41	5 47
S 26	4 21	14 48	4 50	11 29	1 25	12 51	0 9	4 32	0 31	21 55	0 41	10 7	1 46	11 49	0 44	22 27	1 2	17 43	16 16	18 51	19 13	3 50	8 40	5 47
S 27	4 44	11 22	5 6	12 17	1 35	12 33	0 13	4 50	0 31	21 55	0 41	10 5	1 46	11 48	0 44	22 27	1 2	17 43	16 16	18 50	19 12	3 53	8 39	5 47
M28	5 7	7 32	5 9	13 4	1 45	12 13	0 18	5 8	0 30	21 55	0 41	10 2	1 46	11 47	0 44	22 27	1 2	17 43	16 16	18 48	19 12	3 55	8 37	5 47
T 29	5 30	3 27	4 58	13 48	1 55	11 54	0 22	5 26	0 30	21 55	0 41	10 0	1 46	11 46	0 44	22 28	1 2	17 42	16 16	18 47	19 11	3 57	8 36	5 48
W30	5 53	0n45	4 34	14 30	2 4	11 34	0 26	5 44	0 29	21 55	0 41	9 58	1 46	11 45	0 44	22 28	1 2	17 42	16 17	18 45	19 10	3 59	8 35	5 48
T 31	6n16	4n55	3n59	15n 9	2n12	11s13	0s30	6n 2	0s28	21s55	0n41	9s55	1s46	11s44	0s44	22n28	1s 2	17s41	16s17	18s43	19s 9	4n 2	8s34	5n48

Julian Day Number = 2116317.5, Delta T = 18m42s
Ecliptic obliquity = 23°33'25, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°56'44, Lahiri = 11°03'44 Julian Calendar 1 March 1082 == Greg. Calendar 7 March 1082

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1082
geocentric

APRIL 1082 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 59 50	16♈48'46	15♈ 2	5♉54	3♓18	17♈ 7	13°R57	8♓59	1♓24	25♊48	23♓ 0	23°R18	25♏ 8	0♈32	22♒38	F 1
S 2	13 3 46	17°47'15	26°55	7°16	4°25	17°52	13♐56	9° 6	1°26	25°49	23° 2	23♏14	25° 5	0°39	22°41	S 2
S 3	13 7 43	18°45'43	8♉53	8°33	5°33	18°36	13°54	9°12	1°29	25°50	23° 3	23°11	25° 2	0°46	22°43	S 3
M 4	13 11 39	19°44'08	20°57	9°46	6°41	19°21	13°52	9°18	1°32	25°51	23° 4	23°D10	24°59	0°52	22°46	M 4
T 5	13 15 36	20°42'32	3♊10	10°53	7°48	20° 5	13°50	9°24	1°34	25°52	23° 6	23°10	24°56	0°59	22°49	T 5
W 6	13 19 33	21°40'53	15°34	11°55	8°56	20°50	13°48	9°31	1°37	25°54	23° 7	23°12	24°52	1° 6	22°52	W 6
T 7	13 23 29	22°39'13	28°14	12°53	10° 5	21°34	13°46	9°37	1°39	25°55	23° 8	23°13	24°49	1°12	22°54	T 7
F 8	13 27 26	23°37'30	11♋12	13°45	11°13	22°19	13°44	9°43	1°42	25°56	23°10	23°15	24°46	1°19	22°57	F 8
S 9	13 31 22	24°35'46	24°31	14°31	12°21	23° 3	13°41	9°49	1°44	25°57	23°11	23°R15	24°43	1°26	22°59	S 9
S 10	13 35 19	25°33'59	8♌14	15°13	13°29	23°47	13°38	9°55	1°46	25°59	23°12	23°15	24°40	1°33	23° 2	S 10
M11	13 39 15	26°32'10	22°22	15°49	14°38	24°31	13°35	10° 1	1°49	26° 0	23°14	23°13	24°36	1°39	23° 4	M11
T 12	13 43 12	27°30'19	6♍52	16°19	15°46	25°16	13°32	10° 6	1°51	26° 1	23°15	23°10	24°33	1°46	23° 6	T 12
W13	13 47 8	28°28'26	21°43	16°44	16°55	26° 0	13°29	10°12	1°53	26° 3	23°16	23° 7	24°30	1°53	23° 9	W13
T 14	13 51 5	29°26'31	6♎46	17° 4	18° 4	26°44	13°25	10°18	1°55	26° 4	23°17	23° 4	24°27	1°59	23°11	T 14
F 15	13 55 1	0♉24'34	21°53	17°18	19°12	27°28	13°22	10°24	1°58	26° 5	23°19	23° 1	24°24	2° 6	23°13	F 15
S 16	13 58 58	1°22'35	6♏54	17°27	20°21	28°12	13°18	10°29	2° 0	26° 7	23°20	22°59	24°21	2°13	23°15	S 16
S 17	14 2 55	2°20'35	21°42	17°R31	21°30	28°55	13°14	10°35	2° 2	26° 8	23°21	22°D59	24°17	2°19	23°17	S 17
M18	14 6 51	3°18'34	6♐ 9	17°29	22°39	29°39	13°10	10°40	2° 4	26°10	23°22	22°59	24°14	2°26	23°19	M18
T 19	14 10 48	4°16'30	20°11	17°23	23°49	0♉23	13° 5	10°46	2° 6	26°11	23°23	23° 0	24°11	2°33	23°21	T 19
W20	14 14 44	5°14'26	3♑46	17°12	24°58	1° 7	13° 1	10°51	2° 8	26°13	23°25	23° 1	24° 8	2°40	23°23	W20
T 21	14 18 41	6°12'20	16°55	16°56	26° 7	1°50	12°56	10°56	2°10	26°14	23°26	23° 3	24° 5	2°46	23°25	T 21
F 22	14 22 37	7°10'13	29°41	16°36	27°17	2°34	12°52	11° 1	2°12	26°16	23°27	23° 3	24° 2	2°53	23°27	F 22
S 23	14 26 34	8° 8'05	12♒ 8	16°13	28°26	3°18	12°47	11° 7	2°14	26°17	23°28	23°R 3	23°58	3° 0	23°29	S 23
S 24	14 30 30	9° 5'55	24°19	15°46	29°36	4° 1	12°41	11°12	2°15	26°19	23°29	23° 3	23°55	3° 6	23°30	S 24
M25	14 34 27	10° 3'44	6♓19	15°17	0♈45	4°44	12°36	11°17	2°17	26°21	23°30	23° 2	23°52	3°13	23°32	M25
T 26	14 38 24	11° 1'31	18°12	14°45	1°55	5°28	12°31	11°22	2°19	26°22	23°31	23° 0	23°49	3°20	23°34	T 26
W27	14 42 20	11°59'18	0♈ 1	14°12	3° 5	6°11	12°25	11°27	2°21	26°24	23°32	22°59	23°46	3°26	23°35	W27
T 28	14 46 17	12°57'03	11°52	13°37	4°14	6°55	12°20	11°31	2°22	26°26	23°33	22°57	23°42	3°33	23°37	T 28
F 29	14 50 13	13°54'47	23°45	13° 2	5°24	7°38	12°14	11°36	2°24	26°27	23°34	22°56	23°39	3°40	23°38	F 29
S 30	14 54 10	14♉52'30	5♉45	12♉27	6♈34	8♉21	12♐ 8	11♓41	2♓25	26♊29	23♓35	22♏55	23♏36	3♈46	23♒39	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6n38	8n54	3n13	15n45	2n20	10s53	0s34	6n20	0s28	21s55	0n41	9s53	1s47	11s43	0s44	22n28	1s 2	17s41	16s17	18s41	19s 9	4n 4	8s33	5n48
S 2	7 1	12 34	2 18	16 19	2 27	10 32	0 38	6 37	0 27	21 55	0 41	9 51	1 47	11 42	0 44	22 28	1 2	17 40	16 17	18 40	19 8	4 6	8 32	5 49
S 3	7 23	15 45	1 17	16 50	2 33	10 10	0 42	6 55	0 27	21 54	0 41	9 49	1 47	11 41	0 44	22 28	1 2	17 40	16 17	18 40	19 7	4 8	8 30	5 49
M 4	7 45	18 17	0 12	17 19	2 38	9 48	0 46	7 12	0 26	21 54	0 41	9 46	1 47	11 40	0 44	22 28	1 2	17 40	16 17	18 39	19 6	4 10	8 29	5 49
T 5	8 7	20 0	0s54	17 44	2 43	9 26	0 49	7 30	0 25	21 54	0 41	9 44	1 47	11 39	0 44	22 28	1 2	17 39	16 17	18 39	19 6	4 13	8 28	5 49
W 6	8 29	20 47	2 0	18 7	2 46	9 4	0 53	7 47	0 25	21 54	0 41	9 42	1 47	11 38	0 44	22 28	1 2	17 39	16 18	18 40	19 5	4 15	8 27	5 50
T 7	8 51	20 32	3 0	18 27	2 49	8 42	0 56	8 5	0 24	21 53	0 41	9 40	1 48	11 38	0 44	22 28	1 1	17 38	16 18	18 40	19 4	4 17	8 26	5 50
F 8	9 13	19 12	3 53	18 45	2 50	8 19	0 59	8 22	0 24	21 53	0 41	9 38	1 48	11 37	0 44	22 28	1 1	17 38	16 18	18 41	19 3	4 19	8 25	5 50
S 9	9 35	16 48	4 36	18 59	2 50	7 55	1 3	8 39	0 23	21 53	0 41	9 36	1 48	11 36	0 44	22 28	1 1	17 38	16 18	18 41	19 2	4 21	8 24	5 50
S 10	9 56	13 25	5 3	19 11	2 50	7 32	1 6	8 56	0 22	21 52	0 41	9 33	1 48	11 35	0 44	22 28	1 1	17 37	16 18	18 41	19 2	4 24	8 23	5 51
M11	10 17	9 11	5 14	19 20	2 48	7 8	1 9	9 13	0 22	21 52	0 41	9 31	1 48	11 34	0 44	22 28	1 1	17 37	16 19	18 40	19 1	4 26	8 22	5 51
T 12	10 38	4 18	5 5	19 26	2 45	6 44	1 12	9 29	0 21	21 52	0 41	9 29	1 48	11 33	0 44	22 29	1 1	17 37	16 19	18 39	19 0	4 28	8 21	5 51
W13	10 59	0s55	4 36	19 29	2 41	6 20	1 15	9 46	0 21	21 51	0 41	9 27	1 49	11 33	0 44	22 29	1 1	17 36	16 19	18 39	18 59	4 30	8 20	5 52
T 14	11 20	6 11	3 48	19 30	2 35	5 56	1 17	10 3	0 20	21 51	0 41	9 25	1 49	11 32	0 44	22 29	1 1	17 36	16 19	18 38	18 59	4 32	8 19	5 52
F 15	11 40	11 5	2 43	19 27	2 29	5 31	1 20	10 19	0 19	21 51	0 41	9 23	1 49	11 31	0 44	22 29	1 1	17 36	16 19	18 37	18 58	4 34	8 18	5 52
S 16	12 1	15 16	1 27	19 22	2 21	5 6	1 23	10 36	0 19	21 50	0 41	9 21	1 49	11 30	0 44	22 29	1 1	17 36	16 20	18 37	18 57	4 37	8 17	5 52
S 17	12 21	18 24	0 7	19 15	2 12	4 41	1 25	10 52	0 18	21 50	0 41	9 19	1 49	11 30	0 44	22 29	1 1	17 35	16 20	18 36	18 56	4 39	8 16	5 53
M18	12 41	20 15	1n12	19 5	2 2	4 16	1 27	11 8	0 17	21 49	0 41	9 17	1 50	11 29	0 45	22 29	1 1	17 35	16 20	18 37	18 55	4 41	8 15	5 53
T 19	13 0	20 47	2 25	18 52	1 51	3 50	1 30	11 24	0 17	21 49	0 41	9 16	1 50	11 28	0 45	22 29	1 1	17 35	16 20	18 37	18 55	4 43	8 14	5 53
W20	13 20	20 4	3 27	18 37	1 38	3 25	1 32	11 40	0 16	21 48	0 41	9 14	1 50	11 28	0 45	22 29	1 1	17 34	16 21	18 37	18 54	4 45	8 13	5 54
T 21	13 39	18 15	4 16	18 20	1 25	2 59	1 34	11 56	0 16	21 48	0 41	9 12	1 50	11 27	0 45	22 29	1 1	17 34	16 21	18 37	18 53	4 48	8 12	5 54
F 22	13 58	15 35	4 50	18 1	1 11	2 33	1 36	12 11	0 15	21 47	0 40	9 10	1 50	11 26	0 45	22 29	1 1	17 34	16 21	18 38	18 52	4 50	8 11	5 54
S 23	14 17	12 16	5 11	17 39	0 55	2 7	1 38	12 27	0 14	21 46	0 40	9 8	1 51	11 26	0 45	22 29	1 1	17 34	16 21	18 38	18 51	4 52	8 10	5 55
S 24	14 36	8 31	5 16	17 16	0 40	1 41	1 40	12 42	0 14	21 46	0 40	9 6	1 51	11 25	0 45	22 30	1 1	17 34	16 22	18 38	18 51	4 54	8 10	5 55
M25	14 54	4 28	5 8	16 52	0 23	1 15	1 41	12 58	0 13	21 45	0 40	9 5	1 51	11 24	0 45	22 30	1 1	17 33	16 22	18 37	18 50	4 56	8 9	5 55
T 26	15 13	0 18	4 46	16 26	0 6	0 49	1 43	13 13	0 12	21 44	0 40	9 3	1 51	11 24	0 45	22 30	1 1	17 33	16 22	18 37	18 49	4 58	8 8	5 56
W27	15 30	3n52	4 13	16 0	0s11	0 22	1 45	13 28	0 12	21 44	0 40	9 1	1 51	11 23	0 45	22 30	1 1	17 33	16 22	18 36	18 48	5 0	8 7	5 56
T 28	15 48	7 54	3 28	15 33	0 28	0n 4	1 46	13 43	0 11	21 43	0 40	9 0	1 52	11 23	0 45	22 30	1 1	17 33	16 23	18 36	18 47	5 3	8 6	5 56
F 29	16 6	11 40	2 35	15 6	0 46	0 31	1 47	13 57	0 11	21 42	0 40	8 58	1 52	11 22	0 45	22 30	1 1	17 33	16 23	18 36	18 47	5 5	8 6	5 57
S 30	16n23	14n59	1n34	14n39	1s 3	0n58	1s48	14n12	0s10	21s42	0n40	8s57	1s52	11s22	0s45	22n30	1s 1	17s33	16s23	18s36	18s46	5n 7	8s 5	5n57

Julian Day Number = 2116348.5, Delta T = 18m42s
Ecliptic obliquity = 23°33'25, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°56'48, Lahiri = 11°03'48 Julian Calendar 1 Apr. 1082 == Greg. Calendar 7 Apr. 1082

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1082
geocentric

MAY 1082 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 58 6	15♉50'11	17♉52	11°R53	7♈44	9♉ 4	12°R 2	11♓45	2♓27	26♊31	23♓36	22°D55	23♏33	3♈53	23♒41	S 1
M 2	15 2 3	16°47'51	0♊ 9	11♉21	8°54	9°47	11♐56	11°50	2°28	26°33	23°37	22♏55	23°30	4° 0	23°42	M 2
T 3	15 5 59	17°45'30	12°37	10°50	10° 4	10°30	11°49	11°54	2°30	26°35	23°38	22°55	23°27	4° 7	23°43	T 3
W 4	15 9 56	18°43'08	25°18	10°21	11°15	11°13	11°43	11°59	2°31	26°36	23°39	22°55	23°23	4°13	23°44	W 4
T 5	15 13 53	19°40'44	8♋12	9°55	12°25	11°56	11°37	12° 3	2°33	26°38	23°40	22°56	23°20	4°20	23°45	T 5
F 6	15 17 49	20°38'18	21°22	9°33	13°35	12°39	11°30	12° 7	2°34	26°40	23°41	22°56	23°17	4°27	23°46	F 6
S 7	15 21 46	21°35'51	4♌48	9°14	14°45	13°22	11°23	12°11	2°35	26°42	23°42	22°56	23°14	4°33	23°47	S 7
S 8	15 25 42	22°33'23	18°31	8°58	15°56	14° 5	11°17	12°15	2°36	26°44	23°43	22°56	23°11	4°40	23°48	S 8
M 9	15 29 39	23°30'53	2♍31	8°47	17° 6	14°47	11°10	12°19	2°37	26°46	23°44	22°56	23° 8	4°47	23°49	M 9
T 10	15 33 35	24°28'22	16°48	8°40	18°16	15°30	11° 3	12°23	2°39	26°48	23°45	22°56	23° 4	4°53	23°50	T 10
W11	15 37 32	25°25'49	1♎18	8°D38	19°27	16°13	10°56	12°27	2°40	26°50	23°46	22°57	23° 1	5° 0	23°51	W11
T 12	15 41 28	26°23'15	15°58	8°40	20°37	16°55	10°48	12°30	2°41	26°52	23°46	22°57	22°58	5° 7	23°51	T 12
F 13	15 45 25	27°20'40	0♏42	8°46	21°48	17°38	10°41	12°34	2°42	26°54	23°47	22°57	22°55	5°13	23°52	F 13
S 14	15 49 22	28°18'04	15°23	8°57	22°59	18°20	10°34	12°38	2°43	26°56	23°48	22°57	22°52	5°20	23°52	S 14
S 15	15 53 18	29°15'26	29°57	9°12	24° 9	19° 3	10°27	12°41	2°43	26°58	23°49	22°R57	22°48	5°27	23°53	S 15
M16	15 57 15	0♊12'48	14♐15	9°32	25°20	19°45	10°19	12°44	2°44	27° 0	23°49	22°57	22°45	5°33	23°53	M16
T 17	16 1 11	1°10'09	28°13	9°56	26°31	20°27	10°12	12°48	2°45	27° 2	23°50	22°56	22°42	5°40	23°54	T 17
W18	16 5 8	2° 7'29	11♑49	10°25	27°42	21° 9	10° 4	12°51	2°46	27° 4	23°51	22°55	22°39	5°47	23°54	W18
T 19	16 9 4	3° 4'49	25° 2	10°57	28°53	21°52	9°57	12°54	2°46	27° 6	23°51	22°54	22°36	5°54	23°54	T 19
F 20	16 13 1	4° 2'08	7♒52	11°34	0♉ 4	22°34	9°49	12°57	2°47	27° 8	23°52	22°53	22°33	6° 0	23°54	F 20
S 21	16 16 57	4°59'26	20°21	12°15	1°14	23°16	9°42	13° 0	2°48	27°10	23°53	22°52	22°29	6° 7	23°55	S 21
S 22	16 20 54	5°56'44	2♓35	13° 0	2°26	23°58	9°34	13° 3	2°48	27°12	23°53	22°D52	22°26	6°14	23°R55	S 22
M23	16 24 51	6°54'02	14°36	13°49	3°37	24°40	9°27	13° 5	2°49	27°14	23°54	22°52	22°23	6°20	23°55	M23
T 24	16 28 47	7°51'18	26°29	14°42	4°48	25°22	9°19	13° 8	2°49	27°16	23°54	22°52	22°20	6°27	23°55	T 24
W25	16 32 44	8°48'35	8♈19	15°38	5°59	26° 4	9°11	13°10	2°50	27°19	23°55	22°54	22°17	6°34	23°54	W25
T 26	16 36 40	9°45'51	20°11	16°38	7°10	26°46	9° 4	13°13	2°50	27°21	23°55	22°55	22°13	6°40	23°54	T 26
F 27	16 40 37	10°43'07	2♉ 8	17°42	8°21	27°27	8°56	13°15	2°50	27°23	23°56	22°56	22°10	6°47	23°54	F 27
S 28	16 44 33	11°40'22	14°15	18°49	9°33	28° 9	8°48	13°17	2°50	27°25	23°56	22°57	22° 7	6°54	23°54	S 28
S 29	16 48 30	12°37'37	26°33	20° 0	10°44	28°51	8°41	13°20	2°51	27°27	23°57	22°R57	22° 4	7° 0	23°53	S 29
M30	16 52 26	13°34'52	9♊ 5	21°14	11°55	29°32	8°33	13°22	2°51	27°29	23°57	22°57	22° 1	7° 7	23°53	M30
T 31	16 56 23	14♊32'06	21♊52	22♉32	13♉ 7	0♊14	8♐25	13♓24	2♓51	27♊31	23♓58	22♏55	21♏58	7♈14	23♒52	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n40	17n41	0n28	14n12	1s20	1n24	1s50	14n27	0s 9	21s41	0n40	8s55	1s52	11s21	0s45	22n30	1s 1	17s32	16s23	18s35	18s45	5n 9	8s 4	5n57
M 2	16 56	19 38	0s40	13 47	1 36	1 51	1 51	14 41	0 9	21 40	0 40	8 53	1 52	11 21	0 45	22 30	1 1	17 32	16 24	18 35	18 44	5 11	8 3	5 58
T 3	17 13	20 39	1 47	13 22	1 52	2 18	1 52	14 55	0 8	21 39	0 40	8 52	1 53	11 20	0 45	22 30	1 1	17 32	16 24	18 36	18 44	5 13	8 3	5 58
W 4	17 29	20 38	2 50	12 59	2 7	2 45	1 52	15 9	0 7	21 39	0 40	8 50	1 53	11 20	0 45	22 30	1 0	17 32	16 24	18 36	18 43	5 16	8 2	5 58
T 5	17 44	19 33	3 46	12 37	2 22	3 11	1 53	15 23	0 7	21 38	0 40	8 49	1 53	11 19	0 45	22 30	1 0	17 32	16 25	18 36	18 42	5 18	8 1	5 59
F 6	18 0	17 24	4 31	12 18	2 35	3 38	1 54	15 37	0 6	21 37	0 40	8 48	1 53	11 19	0 45	22 30	1 0	17 32	16 25	18 36	18 41	5 20	8 1	5 59
S 7	18 15	14 17	5 2	12 0	2 47	4 5	1 54	15 50	0 5	21 36	0 40	8 46	1 54	11 18	0 45	22 31	1 0	17 32	16 25	18 36	18 40	5 22	8 0	5 59
S 8	18 30	10 20	5 16	11 44	2 58	4 32	1 55	16 4	0 5	21 35	0 40	8 45	1 54	11 18	0 45	22 31	1 0	17 32	16 26	18 36	18 40	5 24	7 59	6 0
M 9	18 45	5 45	5 13	11 31	3 9	4 58	1 55	16 17	0 4	21 34	0 39	8 44	1 54	11 18	0 45	22 31	1 0	17 32	16 26	18 36	18 39	5 26	7 59	6 0
T 10	18 59	0 47	4 50	11 21	3 18	5 25	1 56	16 30	0 4	21 34	0 39	8 42	1 54	11 17	0 45	22 31	1 0	17 32	16 26	18 36	18 38	5 28	7 58	6 0
W11	19 13	4s19	4 9	11 12	3 25	5 52	1 56	16 43	0 3	21 33	0 39	8 41	1 55	11 17	0 45	22 31	1 0	17 32	16 27	18 36	18 37	5 30	7 58	6 1
T 12	19 26	9 15	3 11	11 6	3 32	6 18	1 56	16 56	0 2	21 32	0 39	8 40	1 55	11 17	0 45	22 31	1 0	17 32	16 27	18 36	18 36	5 33	7 57	6 1
F 13	19 40	13 39	2 1	11 3	3 38	6 45	1 56	17 9	0 2	21 31	0 39	8 39	1 55	11 16	0 45	22 31	1 0	17 32	16 27	18 36	18 35	5 35	7 57	6 1
S 14	19 53	17 12	0 42	11 2	3 42	7 11	1 56	17 21	0 1	21 30	0 39	8 38	1 55	11 16	0 45	22 31	1 0	17 32	16 28	18 36	18 35	5 37	7 56	6 2
S 15	20 5	19 36	0n39	11 4	3 46	7 37	1 56	17 34	0 0	21 29	0 39	8 37	1 55	11 16	0 46	22 31	1 0	17 32	16 28	18 36	18 34	5 39	7 56	6 2
M16	20 18	20 43	1 55	11 8	3 48	8 3	1 56	17 46	0n 0	21 28	0 39	8 35	1 56	11 15	0 46	22 31	1 0	17 32	16 28	18 36	18 33	5 41	7 55	6 2
T 17	20 30	20 29	3 3	11 14	3 49	8 29	1 55	17 58	0 1	21 27	0 39	8 34	1 56	11 15	0 46	22 31	1 0	17 32	16 29	18 36	18 32	5 43	7 55	6 3
W18	20 41	19 4	3 59	11 23	3 50	8 55	1 55	18 10	0 1	21 26	0 39	8 33	1 56	11 15	0 46	22 31	1 0	17 32	16 29	18 36	18 31	5 45	7 54	6 3
T 19	20 53	16 38	4 40	11 33	3 49	9 21	1 55	18 21	0 2	21 25	0 38	8 32	1 56	11 15	0 46	22 31	1 0	17 32	16 29	18 35	18 31	5 47	7 54	6 3
F 20	21 4	13 28	5 6	11 46	3 48	9 46	1 54	18 33	0 3	21 24	0 38	8 32	1 57	11 14	0 46	22 31	1 0	17 32	16 30	18 35	18 30	5 50	7 54	6 4
S 21	21 14	9 46	5 16	12 1	3 45	10 12	1 53	18 44	0 3	21 23	0 38	8 31	1 57	11 14	0 46	22 32	1 0	17 32	16 30	18 35	18 29	5 52	7 53	6 4
S 22	21 24	5 45	5 12	12 17	3 42	10 37	1 53	18 55	0 4	21 22	0 38	8 30	1 57	11 14	0 46	22 32	1 0	17 32	16 30	18 35	18 28	5 54	7 53	6 4
M23	21 34	1 34	4 54	12 36	3 38	11 2	1 52	19 6	0 5	21 21	0 38	8 29	1 57	11 14	0 46	22 32	1 0	17 32	16 31	18 35	18 27	5 56	7 53	6 5
T 24	21 44	2n38	4 24	12 56	3 33	11 26	1 51	19 17	0 5	21 20	0 38	8 28	1 58	11 14	0 46	22 32	1 0	17 32	16 31	18 35	18 27	5 58	7 52	6 5
W25	21 53	6 43	3 42	13 17	3 28	11 51	1 50	19 28	0 6	21 19	0 38	8 27	1 58	11 14	0 46	22 32	1 0	17 32	16 31	18 35	18 26	6 0	7 52	6 5
T 26	22 1	10 34	2 51	13 40	3 22	12 15	1 49	19 38	0 7	21 18	0 38	8 27	1 58	11 14	0 46	22 32	1 0	17 32	16 32	18 36	18 25	6 2	7 52	6 6
F 27	22 10	14 2	1 53	14 5	3 15	12 39	1 48	19 48	0 7	21 17	0 37	8 26	1 58	11 14	0 46	22 32	1 0	17 32	16 32	18 36	18 24	6 4	7 52	6 6
S 28	22 18	16 57	0 48	14 30	3 7	13 3	1 47	19 58	0 8	21 16	0 37	8 25	1 59	11 14	0 46	22 32	1 0	17 33	16 32	18 36	18 23	6 6	7 51	6 6
S 29	22 25	19 9	0s20	14 57	2 59	13 27	1 46	20 8	0 8	21 15	0 37	8 25	1 59	11 14	0 46	22 32	1 0	17 33	16 33	18 36	18 22	6 8	7 51	6 7
M30	22 33	20 28	1 28	15 24	2 51	13 50	1 44	20 18	0 9	21 14	0 37	8 24	1 59	11 14	0 46	22 32	1 0	17 33	16 33	18 36	18 22	6 10	7 51	6 7
T 31	22n39	20n46	2s33	15n53	2s42	14n13	1s43	20n27	0n10	21s13	0n37	8s24	1s59	11s14	0s46	22n32	1s 0	17s33	16s33	18s35	18s21	6n13	7s51	6n 7

Julian Day Number = 2116378.5, Delta T = 18m41s
Ecliptic obliquity = 23°33'24, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°56'52, Lahiri = 11°03'52 Julian Calendar 1 May 1082 == Greg. Calendar 7 May 1082

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1082
geocentric

JUNE 1082 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 0 20	15♊29'20	4♋54	23♉52	14♉18	0♊56	8°R18	13♓26	2♓51	27♊34	23♓58	22°R52	21♏54	7♈20	23°R52	W 1
T 2	17 4 16	16°26'33	18°11	25°17	15°29	1°37	8♐10	13°27	2°R51	27°36	23°59	22♏49	21°51	7°27	23♒51	T 2
F 3	17 8 13	17°23'46	1♌42	26°44	16°41	2°19	8° 3	13°29	2°51	27°38	23°59	22°45	21°48	7°34	23°51	F 3
S 4	17 12 9	18°20'58	15°24	28°15	17°53	3° 0	7°55	13°31	2°51	27°40	23°59	22°42	21°45	7°40	23°50	S 4
S 5	17 16 6	19°18'09	29°18	29°49	19° 4	3°41	7°48	13°32	2°51	27°42	24° 0	22°40	21°42	7°47	23°49	S 5
M 6	17 20 2	20°15'20	13♍21	1♊26	20°16	4°23	7°41	13°33	2°50	27°45	24° 0	22°39	21°39	7°54	23°48	M 6
T 7	17 23 59	21°12'31	27°30	3° 6	21°27	5° 4	7°33	13°35	2°50	27°47	24° 0	22°D39	21°35	8° 1	23°47	T 7
W 8	17 27 56	22° 9'41	11♎46	4°49	22°39	5°45	7°26	13°36	2°50	27°49	24° 0	22°39	21°32	8° 7	23°46	W 8
T 9	17 31 52	23° 6'50	26° 4	6°35	23°51	6°26	7°19	13°37	2°50	27°51	24° 1	22°41	21°29	8°14	23°45	T 9
F 10	17 35 49	24° 3'59	10♏22	8°25	25° 2	7° 7	7°12	13°38	2°49	27°54	24° 1	22°42	21°26	8°21	23°44	F 10
S 11	17 39 45	25° 1'08	24°38	10°17	26°14	7°48	7° 5	13°39	2°49	27°56	24° 1	22°R43	21°23	8°27	23°43	S 11
S 12	17 43 42	25°58'16	8♐47	12°11	27°26	8°29	6°58	13°40	2°48	27°58	24° 1	22°42	21°19	8°34	23°42	S 12
M13	17 47 38	26°55'25	22°45	14° 8	28°38	9°10	6°51	13°40	2°48	28° 0	24° 1	22°39	21°16	8°41	23°41	M13
T 14	17 51 35	27°52'33	6♑29	16° 8	29°50	9°51	6°45	13°41	2°47	28° 3	24° 1	22°35	21°13	8°47	23°40	T 14
W15	17 55 31	28°49'41	19°55	18°10	1♊ 2	10°32	6°38	13°41	2°47	28° 5	24° 1	22°30	21°10	8°54	23°38	W15
T 16	17 59 28	29°46'50	3♒ 2	20°13	2°14	11°13	6°31	13°42	2°46	28° 7	24° 1	22°24	21° 7	9° 1	23°37	T 16
F 17	18 3 25	0♋43'59	15°50	22°19	3°26	11°53	6°25	13°42	2°45	28° 9	24° 1	22°18	21° 4	9° 7	23°35	F 17
S 18	18 7 21	1°41'08	28°20	24°25	4°38	12°34	6°19	13°42	2°44	28°11	24°R 2	22°12	21° 0	9°14	23°34	S 18
S 19	18 11 18	2°38'17	10♓33	26°33	5°50	13°15	6°12	13°R42	2°44	28°14	24° 2	22° 8	20°57	9°21	23°32	S 19
M20	18 15 14	3°35'27	22°34	28°42	7° 2	13°55	6° 6	13°42	2°43	28°16	24° 1	22° 6	20°54	9°27	23°31	M20
T 21	18 19 11	4°32'37	4♈28	0♋51	8°14	14°36	6° 0	13°42	2°42	28°18	24° 1	22°D 5	20°51	9°34	23°29	T 21
W22	18 23 7	5°29'48	16°19	3° 1	9°27	15°16	5°55	13°42	2°41	28°20	24° 1	22° 6	20°48	9°41	23°27	W22
T 23	18 27 4	6°26'59	28°11	5°10	10°39	15°57	5°49	13°42	2°40	28°23	24° 1	22° 7	20°45	9°47	23°26	T 23
F 24	18 31 0	7°24'11	10♉11	7°19	11°51	16°37	5°43	13°41	2°39	28°25	24° 1	22° 9	20°41	9°54	23°24	F 24
S 25	18 34 57	8°21'24	22°22	9°27	13° 3	17°17	5°38	13°41	2°38	28°27	24° 1	22°R 9	20°38	10° 1	23°22	S 25
S 26	18 38 54	9°18'37	4♊49	11°35	14°16	17°58	5°33	13°40	2°37	28°29	24° 1	22° 8	20°35	10° 7	23°20	S 26
M27	18 42 50	10°15'51	17°34	13°42	15°28	18°38	5°27	13°39	2°36	28°31	24° 1	22° 6	20°32	10°14	23°18	M27
T 28	18 46 47	11°13'05	0♋39	15°48	16°41	19°18	5°22	13°38	2°35	28°34	24° 0	22° 1	20°29	10°21	23°16	T 28
W29	18 50 43	12°10'20	14° 4	17°52	17°53	19°58	5°18	13°37	2°33	28°36	24° 0	21°54	20°25	10°28	23°14	W29
T 30	18 54 40	13♋ 7'35	27♋46	19♋55	19♊ 6	20♊38	5♐13	13♓36	2♓32	28♊38	24♓ 0	21♏46	20♏22	10♈34	23♒12	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n46	19n57	3s31	16n22	2s32	14n35	1s42	20n37	0n10	21s12	0n37	8s23	2s 0	11s14	0s46	22n32	1s 0	17s33	16s34	18s35	18s20	6n15	7s51	6n 8
T 2	22 52	18 3	4 19	16 52	2 22	14 58	1 40	20 46	0 11	21 10	0 37	8 23	2 0	11 14	0 46	22 32	1 0	17 33	16 34	18 34	18 19	6 17	7 51	6 8
F 3	22 57	15 7	4 53	17 23	2 12	15 20	1 39	20 55	0 12	21 9	0 36	8 22	2 0	11 14	0 46	22 32	1 0	17 34	16 35	18 33	18 18	6 19	7 50	6 8
S 4	23 3	11 20	5 11	17 54	2 1	15 41	1 37	21 4	0 12	21 8	0 36	8 22	2 1	11 14	0 46	22 32	1 0	17 34	16 35	18 32	18 17	6 21	7 50	6 9
S 5	23 7	6 54	5 12	18 25	1 50	16 3	1 35	21 12	0 13	21 7	0 36	8 22	2 1	11 14	0 46	22 32	1 0	17 34	16 35	18 32	18 17	6 23	7 50	6 9
M 6	23 12	2 4	4 54	18 56	1 39	16 24	1 34	21 21	0 14	21 6	0 36	8 21	2 1	11 14	0 46	22 32	1 0	17 34	16 36	18 31	18 16	6 25	7 50	6 9
T 7	23 16	2s57	4 18	19 27	1 27	16 44	1 32	21 29	0 14	21 5	0 36	8 21	2 1	11 14	0 46	22 33	1 0	17 34	16 36	18 31	18 15	6 27	7 50	6 10
W 8	23 19	7 49	3 26	19 58	1 16	17 4	1 30	21 37	0 15	21 4	0 36	8 21	2 2	11 14	0 46	22 33	1 0	17 35	16 36	18 32	18 14	6 29	7 50	6 10
T 9	23 23	12 18	2 21	20 28	1 4	17 24	1 28	21 44	0 15	21 3	0 36	8 21	2 2	11 14	0 46	22 33	1 0	17 35	16 37	18 32	18 13	6 31	7 50	6 10
F 10	23 25	16 4	1 7	20 58	0 52	17 43	1 26	21 52	0 16	21 2	0 35	8 21	2 2	11 14	0 47	22 33	1 0	17 35	16 37	18 32	18 12	6 33	7 50	6 11
S 11	23 28	18 51	0n11	21 26	0 40	18 2	1 24	21 59	0 17	21 1	0 35	8 21	2 2	11 15	0 47	22 33	1 0	17 35	16 38	18 32	18 12	6 35	7 50	6 11
S 12	23 30	20 27	1 27	21 54	0 28	18 21	1 22	22 7	0 17	21 0	0 35	8 20	2 3	11 15	0 47	22 33	1 0	17 36	16 38	18 32	18 11	6 37	7 51	6 11
M13	23 31	20 45	2 37	22 20	0 16	18 39	1 20	22 14	0 18	20 59	0 35	8 20	2 3	11 15	0 47	22 33	1 0	17 36	16 38	18 31	18 10	6 39	7 51	6 11
T 14	23 32	19 48	3 36	22 45	0 5	18 56	1 18	22 20	0 19	20 58	0 35	8 20	2 3	11 15	0 47	22 33	1 0	17 36	16 39	18 30	18 9	6 42	7 51	6 12
W15	23 33	17 45	4 22	23 8	0n 6	19 14	1 16	22 27	0 19	20 57	0 35	8 21	2 3	11 16	0 47	22 33	1 0	17 37	16 39	18 29	18 8	6 44	7 51	6 12
T 16	23 33	14 49	4 53	23 29	0 17	19 30	1 14	22 33	0 20	20 56	0 34	8 21	2 4	11 16	0 47	22 33	1 0	17 37	16 39	18 27	18 7	6 46	7 51	6 12
F 17	23 33	11 15	5 8	23 48	0 28	19 46	1 12	22 40	0 20	20 56	0 34	8 21	2 4	11 16	0 47	22 33	1 0	17 37	16 40	18 26	18 7	6 48	7 51	6 13
S 18	23 33	7 17	5 9	24 4	0 38	20 2	1 9	22 46	0 21	20 55	0 34	8 21	2 4	11 16	0 47	22 33	1 0	17 38	16 40	18 25	18 6	6 50	7 52	6 13
S 19	23 32	3 6	4 55	24 18	0 48	20 17	1 7	22 51	0 22	20 54	0 34	8 21	2 5	11 17	0 47	22 33	1 0	17 38	16 41	18 24	18 5	6 52	7 52	6 13
M20	23 30	1n 8	4 28	24 30	0 57	20 32	1 5	22 57	0 22	20 53	0 34	8 21	2 5	11 17	0 47	22 33	1 0	17 38	16 41	18 23	18 4	6 54	7 52	6 13
T 21	23 29	5 18	3 50	24 38	1 5	20 46	1 2	23 2	0 23	20 52	0 33	8 22	2 5	11 18	0 47	22 33	1 0	17 39	16 41	18 23	18 3	6 56	7 52	6 14
W22	23 27	9 14	3 2	24 44	1 13	20 59	1 0	23 8	0 23	20 51	0 33	8 22	2 5	11 18	0 47	22 33	1 0	17 39	16 42	18 23	18 2	6 58	7 53	6 14
T 23	23 24	12 51	2 6	24 47	1 20	21 12	0 58	23 13	0 24	20 50	0 33	8 22	2 6	11 18	0 47	22 33	1 0	17 39	16 42	18 23	18 2	7 0	7 53	6 14
F 24	23 21	15 58	1 4	24 47	1 26	21 25	0 55	23 17	0 25	20 50	0 33	8 23	2 6	11 19	0 47	22 33	1 0	17 40	16 42	18 24	18 1	7 2	7 53	6 14
S 25	23 17	18 26	0s 1	24 44	1 31	21 36	0 53	23 22	0 25	20 49	0 33	8 23	2 6	11 19	0 47	22 33	1 0	17 40	16 43	18 24	18 0	7 4	7 54	6 15
S 26	23 14	20 5	1 8	24 39	1 36	21 48	0 50	23 26	0 26	20 48	0 32	8 24	2 6	11 20	0 47	22 33	1 0	17 41	16 43	18 24	17 59	7 6	7 54	6 15
M27	23 9	20 46	2 13	24 31	1 40	21 58	0 48	23 31	0 27	20 47	0 32	8 24	2 7	11 20	0 47	22 33	1 0	17 41	16 44	18 23	17 58	7 8	7 54	6 15
T 28	23 5	20 21	3 12	24 20	1 44	22 8	0 45	23 34	0 27	20 47	0 32	8 25	2 7	11 20	0 47	22 33	1 0	17 41	16 44	18 22	17 57	7 10	7 55	6 15
W29	23 0	18 47	4 3	24 7	1 46	22 18	0 42	23 38	0 28	20 46	0 32	8 25	2 7	11 21	0 47	22 33	1 0	17 42	16 44	18 20	17 56	7 12	7 55	6 16
T 30	22n54	16n 8	4s40	23n51	1n48	22n27	0s40	23n42	0n28	20s45	0n32	8s26	2s 7	11s21	0s47	22n33	1s 0	17s42	16s45	18s18	17s56	7n14	7s56	6n16

Julian Day Number = 2116409.5, Delta T = 18m41s
Ecliptic obliquity = 23°33'23, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°56'56, Lahiri = 11°03'57 Julian Calendar 1 June 1082 == Greg. Calendar 7 June 1082

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1082
geocentric

JULY 1082 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 58 36	14♋ 4'51	11♌43	21♋56	20♊18	21♊19	5°R 8	13°R35	2°R31	28♊40	24°R 0	21°R38	20♏19	10♈41	23°R10	F 1
S 2	19 2 33	15° 2'07	25°51	23°56	21°31	21°59	5♐ 4	13♓34	2♓29	28°42	23♓59	21♏30	20°16	10°48	23♒ 8	S 2
S 3	19 6 29	15°59'23	10♍ 4	25°55	22°44	22°39	5° 0	13°33	2°28	28°44	23°59	21°24	20°13	10°54	23° 6	S 3
M 4	19 10 26	16°56'40	24°19	27°51	23°56	23°18	4°56	13°31	2°27	28°47	23°59	21°19	20°10	11° 1	23° 3	M 4
T 5	19 14 23	17°53'58	8♎33	29°46	25° 9	23°58	4°52	13°30	2°25	28°49	23°58	21°17	20° 6	11° 8	23° 1	T 5
W 6	19 18 19	18°51'15	22°43	1♌40	26°22	24°38	4°48	13°28	2°24	28°51	23°58	21°D17	20° 3	11°14	22°59	W 6
T 7	19 22 16	19°48'33	6♏48	3°31	27°35	25°18	4°44	13°26	2°22	28°53	23°58	21°18	20° 0	11°21	22°56	T 7
F 8	19 26 12	20°45'52	20°46	5°21	28°47	25°58	4°41	13°25	2°20	28°55	23°57	21°R18	19°57	11°28	22°54	F 8
S 9	19 30 9	21°43'11	4♐38	7° 9	0♋ 0	26°37	4°38	13°23	2°19	28°57	23°57	21°17	19°54	11°34	22°52	S 9
S 10	19 34 5	22°40'31	18°21	8°56	1°13	27°17	4°35	13°21	2°17	28°59	23°56	21°15	19°51	11°41	22°49	S 10
M11	19 38 2	23°37'51	1♑55	10°41	2°26	27°57	4°32	13°19	2°15	29° 1	23°56	21° 9	19°47	11°48	22°47	M11
T 12	19 41 58	24°35'13	15°17	12°24	3°39	28°36	4°29	13°16	2°14	29° 3	23°55	21° 1	19°44	11°54	22°44	T 12
W13	19 45 55	25°32'35	28°26	14° 5	4°52	29°16	4°27	13°14	2°12	29° 5	23°55	20°52	19°41	12° 1	22°42	W13
T 14	19 49 52	26°29'58	11♒20	15°45	6° 5	29°55	4°24	13°12	2°10	29° 8	23°54	20°40	19°38	12° 8	22°39	T 14
F 15	19 53 48	27°27'22	23°59	17°23	7°18	0♋35	4°22	13° 9	2° 8	29°10	23°54	20°29	19°35	12°14	22°36	F 15
S 16	19 57 45	28°24'47	6♓23	19° 0	8°31	1°14	4°20	13° 7	2° 7	29°12	23°53	20°19	19°31	12°21	22°34	S 16
S 17	20 1 41	29°22'13	18°33	20°35	9°45	1°53	4°19	13° 4	2° 5	29°14	23°53	20°10	19°28	12°28	22°31	S 17
M18	20 5 38	0♌19'41	0♈32	22° 8	10°58	2°32	4°17	13° 2	2° 3	29°16	23°52	20° 4	19°25	12°34	22°28	M18
T 19	20 9 34	1°17'09	12°24	23°40	12°11	3°12	4°15	12°59	2° 1	29°17	23°51	20° 0	19°22	12°41	22°25	T 19
W20	20 13 31	2°14'40	24°13	25°10	13°24	3°51	4°14	12°56	1°59	29°19	23°51	19°59	19°19	12°48	22°23	W20
T 21	20 17 27	3°12'11	6♉ 5	26°38	14°38	4°30	4°13	12°53	1°57	29°21	23°50	19°D58	19°16	12°54	22°20	T 21
F 22	20 21 24	4° 9'44	18° 4	28° 4	15°51	5° 9	4°12	12°50	1°55	29°23	23°49	19°R59	19°12	13° 1	22°17	F 22
S 23	20 25 21	5° 7'19	0♊17	29°29	17° 4	5°48	4°12	12°47	1°53	29°25	23°49	19°58	19° 9	13° 8	22°14	S 23
S 24	20 29 17	6° 4'55	12°48	0♍52	18°18	6°27	4°11	12°44	1°51	29°27	23°48	19°56	19° 6	13°14	22°11	S 24
M25	20 33 14	7° 2'33	25°40	2°14	19°31	7° 6	4°11	12°40	1°49	29°29	23°47	19°52	19° 3	13°21	22° 8	M25
T 26	20 37 10	8° 0'12	8♋57	3°33	20°45	7°45	4°D11	12°37	1°47	29°31	23°47	19°45	19° 0	13°28	22° 6	T 26
W27	20 41 7	8°57'52	22°39	4°51	21°59	8°24	4°11	12°34	1°44	29°33	23°46	19°36	18°57	13°34	22° 3	W27
T 28	20 45 3	9°55'34	6♌43	6° 7	23°12	9° 3	4°11	12°30	1°42	29°34	23°45	19°25	18°53	13°41	22° 0	T 28
F 29	20 49 0	10°53'18	21° 5	7°21	24°26	9°42	4°11	12°27	1°40	29°36	23°44	19°14	18°50	13°48	21°57	F 29
S 30	20 52 56	11°51'02	5♍39	8°32	25°39	10°20	4°12	12°23	1°38	29°38	23°43	19° 3	18°47	13°54	21°54	S 30
S 31	20 56 53	12♌48'48	20♍17	9♍42	26♋53	10♋59	4♐13	12♓19	1♓36	29♊40	23♓42	18♏54	18♏44	14♈ 1	21♒51	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n48	12n31	5s 2	23n33	1n49	22n35	0s37	23n45	0n29	20s45	0n31	8s27	2s 8	11s22	0s47	22n33	1s 0	17s43	16s45	18s16	17s55	7n16	7s56	6n16
S 2	22 42	8 10	5 5	23 13	1 50	22 42	0 35	23 48	0 30	20 44	0 31	8 27	2 8	11 22	0 47	22 33	1 0	17 43	16 45	18 14	17 54	7 18	7 57	6 16
S 3	22 36	3 21	4 50	22 51	1 49	22 49	0 32	23 51	0 30	20 44	0 31	8 28	2 8	11 23	0 47	22 33	1 0	17 43	16 46	18 12	17 53	7 20	7 57	6 17
M 4	22 29	1s40	4 17	22 28	1 48	22 56	0 29	23 54	0 31	20 43	0 31	8 29	2 8	11 23	0 47	22 33	1 0	17 44	16 46	18 11	17 52	7 22	7 58	6 17
T 5	22 21	6 36	3 28	22 2	1 47	23 1	0 27	23 57	0 31	20 42	0 31	8 30	2 9	11 24	0 47	22 33	1 0	17 44	16 46	18 10	17 51	7 24	7 58	6 17
W 6	22 13	11 9	2 27	21 36	1 45	23 6	0 24	23 59	0 32	20 42	0 30	8 31	2 9	11 25	0 47	22 34	1 0	17 45	16 47	18 10	17 51	7 26	7 59	6 17
T 7	22 5	15 4	1 17	21 7	1 42	23 11	0 21	24 1	0 33	20 42	0 30	8 32	2 9	11 25	0 47	22 34	1 0	17 45	16 47	18 10	17 50	7 28	7 59	6 17
F 8	21 57	18 5	0 3	20 38	1 39	23 14	0 19	24 3	0 33	20 41	0 30	8 32	2 9	11 26	0 47	22 34	1 0	17 46	16 47	18 10	17 49	7 30	8 0	6 17
S 9	21 48	20 1	1n11	20 7	1 36	23 17	0 16	24 5	0 34	20 41	0 30	8 33	2 10	11 26	0 48	22 34	1 0	17 46	16 48	18 10	17 48	7 32	8 1	6 18
S 10	21 38	20 44	2 19	19 35	1 31	23 20	0 13	24 6	0 35	20 40	0 30	8 34	2 10	11 27	0 48	22 34	1 0	17 47	16 48	18 10	17 47	7 34	8 1	6 18
M11	21 29	20 14	3 19	19 2	1 27	23 21	0 11	24 8	0 35	20 40	0 29	8 35	2 10	11 28	0 48	22 34	1 0	17 47	16 48	18 8	17 46	7 36	8 2	6 18
T 12	21 19	18 36	4 7	18 28	1 22	23 22	0 8	24 9	0 36	20 40	0 29	8 37	2 10	11 28	0 48	22 34	1 0	17 48	16 49	18 6	17 45	7 38	8 3	6 18
W13	21 8	16 0	4 40	17 54	1 16	23 22	0 6	24 10	0 36	20 40	0 29	8 38	2 11	11 29	0 48	22 34	1 0	17 48	16 49	18 3	17 45	7 40	8 3	6 18
T 14	20 57	12 40	4 59	17 19	1 10	23 22	0 3	24 10	0 37	20 39	0 29	8 39	2 11	11 30	0 48	22 34	1 0	17 49	16 49	18 0	17 44	7 42	8 4	6 18
F 15	20 46	8 50	5 2	16 43	1 4	23 21	0 0	24 11	0 38	20 39	0 29	8 40	2 11	11 30	0 48	22 34	1 0	17 49	16 50	17 57	17 43	7 44	8 5	6 19
S 16	20 35	4 42	4 51	16 7	0 58	23 19	0n 2	24 11	0 38	20 39	0 28	8 41	2 11	11 31	0 48	22 34	1 0	17 50	16 50	17 55	17 42	7 46	8 5	6 19
S 17	20 23	0 28	4 27	15 30	0 51	23 17	0 5	24 11	0 39	20 39	0 28	8 42	2 12	11 32	0 48	22 34	1 0	17 50	16 50	17 52	17 41	7 48	8 6	6 19
M18	20 11	3n45	3 51	14 53	0 43	23 14	0 7	24 11	0 39	20 39	0 28	8 44	2 12	11 32	0 48	22 34	1 0	17 51	16 51	17 51	17 40	7 50	8 7	6 19
T 19	19 58	7 46	3 6	14 16	0 36	23 10	0 10	24 11	0 40	20 39	0 28	8 45	2 12	11 33	0 48	22 34	1 0	17 51	16 51	17 50	17 39	7 52	8 8	6 19
W20	19 45	11 29	2 12	13 38	0 28	23 5	0 13	24 11	0 41	20 39	0 28	8 46	2 12	11 34	0 48	22 34	1 0	17 52	16 51	17 49	17 38	7 54	8 8	6 19
T 21	19 32	14 46	1 13	13 1	0 20	23 0	0 15	24 10	0 41	20 39	0 27	8 47	2 12	11 35	0 48	22 34	1 0	17 52	16 52	17 49	17 38	7 56	8 9	6 19
F 22	19 19	17 28	0 10	12 23	0 12	22 54	0 18	24 9	0 42	20 39	0 27	8 49	2 13	11 35	0 48	22 34	1 0	17 53	16 52	17 49	17 37	7 58	8 10	6 19
S 23	19 5	19 25	0s54	11 45	0 3	22 47	0 20	24 8	0 42	20 39	0 27	8 50	2 13	11 36	0 48	22 34	1 0	17 54	16 52	17 49	17 36	8 0	8 11	6 19
S 24	18 51	20 30	1 58	11 8	0s 6	22 40	0 22	24 7	0 43	20 39	0 27	8 52	2 13	11 37	0 48	22 34	1 0	17 54	16 52	17 49	17 35	8 2	8 12	6 20
M25	18 36	20 32	2 57	10 30	0 15	22 32	0 25	24 5	0 44	20 39	0 27	8 53	2 13	11 38	0 48	22 34	1 0	17 55	16 53	17 48	17 34	8 4	8 12	6 20
T 26	18 21	19 27	3 49	9 53	0 24	22 24	0 27	24 4	0 44	20 39	0 26	8 55	2 13	11 38	0 48	22 34	1 0	17 55	16 53	17 46	17 33	8 6	8 13	6 20
W27	18 6	17 14	4 29	9 16	0 34	22 14	0 30	24 2	0 45	20 39	0 26	8 56	2 14	11 39	0 48	22 34	1 0	17 56	16 53	17 43	17 32	8 8	8 14	6 20
T 28	17 51	13 57	4 54	8 39	0 43	22 5	0 32	24 0	0 45	20 40	0 26	8 58	2 14	11 40	0 48	22 34	1 0	17 56	16 54	17 40	17 31	8 10	8 15	6 20
F 29	17 35	9 47	5 1	8 2	0 53	21 54	0 34	23 58	0 46	20 40	0 26	8 59	2 14	11 41	0 48	22 34	1 0	17 57	16 54	17 37	17 31	8 12	8 16	6 20
S 30	17 19	5 1	4 48	7 27	1 3	21 43	0 37	23 55	0 47	20 40	0 26	9 1	2 14	11 42	0 48	22 34	1 0	17 57	16 54	17 34	17 30	8 14	8 17	6 20
S 31	17n 3	0s 5	4s17	6n51	1s12	21n31	0n39	23n53	0n47	20s40	0n25	9s 2	2s14	11s42	0s48	22n34	1s 0	17s58	16s54	17s32	17s29	8n15	8s18	6n20

Julian Day Number = 2116439.5, Delta T = 18m41s
Ecliptic obliquity = 23°33'23, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°57'00, Lahiri = 11°04'01 Julian Calendar 1 July 1082 == Greg. Calendar 7 July 1082

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1082
geocentric

AUGUST 1082 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 0 50	13♌46'35	4♎53	10♍49	28♋ 7	11♋38	4♐14	12°R16	1°R33	29♊41	23°R42	18°R47	18♏41	14♈ 8	21°R48	M 1
T 2	21 4 46	14°44'23	19°21	11°55	29°21	12°16	4°15	12♓12	1♓31	29°43	23♓41	18♏44	18°37	14°14	21♒45	T 2
W 3	21 8 43	15°42'13	3♏37	12°57	0♌35	12°55	4°16	12° 8	1°29	29°45	23°40	18°42	18°34	14°21	21°42	W 3
T 4	21 12 39	16°40'04	17°39	13°58	1°48	13°33	4°18	12° 4	1°27	29°46	23°39	18°42	18°31	14°28	21°39	T 4
F 5	21 16 36	17°37'56	1♐28	14°55	3° 2	14°12	4°20	12° 0	1°24	29°48	23°38	18°42	18°28	14°34	21°36	F 5
S 6	21 20 32	18°35'49	15° 4	15°50	4°16	14°50	4°22	11°56	1°22	29°50	23°37	18°40	18°25	14°41	21°33	S 6
S 7	21 24 29	19°33'43	28°27	16°42	5°30	15°29	4°24	11°52	1°20	29°51	23°36	18°36	18°22	14°48	21°30	S 7
M 8	21 28 25	20°31'39	11♑39	17°31	6°44	16° 7	4°26	11°48	1°17	29°53	23°35	18°30	18°18	14°54	21°27	M 8
T 9	21 32 22	21°29'37	24°39	18°16	7°58	16°45	4°28	11°44	1°15	29°54	23°34	18°21	18°15	15° 1	21°24	T 9
W10	21 36 19	22°27'36	7♒28	18°58	9°12	17°23	4°31	11°40	1°13	29°56	23°33	18° 9	18°12	15° 8	21°21	W10
T 11	21 40 15	23°25'36	20° 5	19°36	10°26	18° 2	4°34	11°35	1°10	29°57	23°32	17°56	18° 9	15°14	21°18	T 11
F 12	21 44 12	24°23'38	2♓31	20°10	11°40	18°40	4°37	11°31	1° 8	29°59	23°31	17°42	18° 6	15°21	21°15	F 12
S 13	21 48 8	25°21'42	14°44	20°40	12°54	19°18	4°40	11°27	1° 5	0♋ 0	23°30	17°30	18° 3	15°28	21°12	S 13
S 14	21 52 5	26°19'47	26°48	21° 5	14° 9	19°56	4°43	11°22	1° 3	0° 2	23°29	17°19	17°59	15°34	21° 9	S 14
M15	21 56 1	27°17'55	8♈43	21°25	15°23	20°34	4°47	11°18	1° 1	0° 3	23°28	17°11	17°56	15°41	21° 6	M15
T 16	21 59 58	28°16'04	20°32	21°40	16°37	21°12	4°51	11°13	0°58	0° 5	23°27	17° 6	17°53	15°48	21° 3	T 16
W17	22 3 54	29°14'16	2♉20	21°50	17°51	21°50	4°55	11° 9	0°56	0° 6	23°26	17° 4	17°50	15°54	21° 0	W17
T 18	22 7 51	0♍12'29	14°10	21°R54	19° 6	22°28	4°59	11° 4	0°54	0° 7	23°25	17°D 3	17°47	16° 1	20°57	T 18
F 19	22 11 48	1°10'45	26° 8	21°52	20°20	23° 5	5° 3	11° 0	0°51	0° 8	23°24	17°R 3	17°43	16° 8	20°54	F 19
S 20	22 15 44	2° 9'02	8♊18	21°44	21°34	23°43	5° 7	10°55	0°49	0°10	23°23	17° 3	17°40	16°14	20°51	S 20
S 21	22 19 41	3° 7'22	20°48	21°29	22°49	24°21	5°12	10°51	0°46	0°11	23°22	17° 1	17°37	16°21	20°48	S 21
M22	22 23 37	4° 5'44	3♋40	21° 8	24° 3	24°59	5°16	10°46	0°44	0°12	23°21	16°58	17°34	16°28	20°45	M22
T 23	22 27 34	5° 4'08	17° 0	20°40	25°18	25°36	5°21	10°42	0°42	0°13	23°20	16°52	17°31	16°34	20°42	T 23
W24	22 31 30	6° 2'34	0♌47	20° 6	26°32	26°14	5°26	10°37	0°39	0°14	23°18	16°44	17°28	16°41	20°39	W24
T 25	22 35 27	7° 1'03	15° 2	19°25	27°47	26°51	5°32	10°32	0°37	0°16	23°17	16°35	17°24	16°48	20°36	T 25
F 26	22 39 23	7°59'33	29°41	18°38	29° 1	27°29	5°37	10°28	0°34	0°17	23°16	16°24	17°21	16°54	20°33	F 26
S 27	22 43 20	8°58'05	14♍35	17°46	0♍16	28° 6	5°42	10°23	0°32	0°18	23°15	16°14	17°18	17° 1	20°31	S 27
S 28	22 47 17	9°56'39	29°36	16°49	1°31	28°44	5°48	10°18	0°30	0°19	23°14	16° 6	17°15	17° 8	20°28	S 28
M29	22 51 13	10°55'15	14♎34	15°48	2°45	29°21	5°54	10°14	0°27	0°20	23°13	16° 0	17°12	17°14	20°25	M29
T 30	22 55 10	11°53'53	29°22	14°45	4° 0	29°58	6° 0	10° 9	0°25	0°21	23°12	15°57	17° 8	17°21	20°22	T 30
W31	22 59 6	12♍52'32	13♏53	13♍41	5♍15	0♌36	6♐ 6	10♓ 4	0♓23	0♋22	23♓10	15°D55	17♏ 5	17♈28	20♒20	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n46	5s 9	3s30	6n16	1s22	21n18	0n41	23n50	0n48	20s41	0n25	9s 4	2s15	11s43	0s48	22n34	1s 0	17s59	16s55	17s30	17s28	8n17	8s19	6n20
T 2	16 30	9 54	2 29	5 42	1 32	21 5	0 43	23 47	0 48	20 41	0 25	9 5	2 15	11 44	0 48	22 34	1 0	17 59	16 55	17 29	17 27	8 19	8 20	6 20
W 3	16 12	14 1	1 19	5 9	1 43	20 52	0 45	23 44	0 49	20 42	0 25	9 7	2 15	11 45	0 48	22 34	1 0	18 0	16 55	17 28	17 26	8 21	8 21	6 20
T 4	15 55	17 16	0 6	4 36	1 53	20 37	0 47	23 41	0 50	20 42	0 25	9 9	2 15	11 46	0 48	22 34	1 0	18 0	16 55	17 28	17 25	8 23	8 22	6 20
F 5	15 37	19 28	1n 7	4 5	2 3	20 22	0 49	23 38	0 50	20 43	0 24	9 10	2 15	11 47	0 48	22 34	1 0	18 1	16 56	17 28	17 24	8 25	8 22	6 20
S 6	15 20	20 29	2 15	3 34	2 13	20 7	0 51	23 34	0 51	20 43	0 24	9 12	2 15	11 47	0 48	22 34	1 0	18 1	16 56	17 28	17 24	8 27	8 23	6 20
S 7	15 1	20 19	3 14	3 5	2 23	19 51	0 53	23 30	0 51	20 44	0 24	9 14	2 16	11 48	0 48	22 34	1 0	18 2	16 56	17 27	17 23	8 29	8 24	6 20
M 8	14 43	19 2	4 1	2 37	2 33	19 34	0 55	23 26	0 52	20 44	0 24	9 16	2 16	11 49	0 48	22 33	1 0	18 3	16 56	17 25	17 22	8 31	8 25	6 20
T 9	14 24	16 47	4 35	2 10	2 43	19 17	0 57	23 22	0 52	20 45	0 24	9 17	2 16	11 50	0 48	22 33	1 0	18 3	16 56	17 22	17 21	8 33	8 26	6 20
W10	14 6	13 44	4 55	1 45	2 52	18 59	0 59	23 18	0 53	20 46	0 24	9 19	2 16	11 51	0 48	22 33	1 0	18 4	16 57	17 19	17 20	8 35	8 27	6 20
T 11	13 47	10 7	5 0	1 21	3 2	18 41	1 0	23 13	0 54	20 46	0 23	9 21	2 16	11 52	0 48	22 33	1 0	18 4	16 57	17 15	17 19	8 37	8 28	6 20
F 12	13 27	6 7	4 50	0 59	3 11	18 22	1 2	23 9	0 54	20 47	0 23	9 23	2 16	11 52	0 48	22 33	1 0	18 5	16 57	17 12	17 18	8 39	8 29	6 20
S 13	13 8	1 55	4 28	0 40	3 20	18 2	1 4	23 4	0 55	20 48	0 23	9 24	2 16	11 53	0 48	22 33	1 0	18 6	16 57	17 8	17 17	8 40	8 30	6 20
S 14	12 48	2n17	3 53	0 22	3 28	17 42	1 5	22 59	0 55	20 49	0 23	9 26	2 17	11 54	0 48	22 33	1 0	18 6	16 57	17 5	17 16	8 42	8 31	6 20
M15	12 28	6 21	3 8	0 6	3 36	17 22	1 7	22 54	0 56	20 50	0 23	9 28	2 17	11 55	0 48	22 33	1 0	18 7	16 58	17 3	17 16	8 44	8 32	6 19
T 16	12 8	10 9	2 16	0s 6	3 44	17 1	1 8	22 49	0 57	20 50	0 22	9 30	2 17	11 56	0 48	22 33	1 0	18 7	16 58	17 1	17 15	8 46	8 33	6 19
W17	11 48	13 33	1 17	0 17	3 51	16 40	1 10	22 43	0 57	20 51	0 22	9 32	2 17	11 57	0 48	22 33	1 0	18 8	16 58	17 1	17 14	8 48	8 34	6 19
T 18	11 27	16 25	0 15	0 24	3 57	16 18	1 11	22 37	0 58	20 52	0 22	9 33	2 17	11 58	0 48	22 33	1 0	18 8	16 58	17 0	17 13	8 50	8 35	6 19
F 19	11 6	18 36	0s48	0 28	4 2	15 55	1 12	22 32	0 58	20 53	0 22	9 35	2 17	11 58	0 48	22 33	1 0	18 9	16 58	17 1	17 12	8 52	8 37	6 19
S 20	10 46	19 59	1 51	0 29	4 6	15 33	1 14	22 26	0 59	20 54	0 22	9 37	2 17	11 59	0 48	22 33	1 0	18 10	16 58	17 0	17 11	8 54	8 38	6 19
S 21	10 25	20 25	2 49	0 26	4 10	15 9	1 15	22 20	1 0	20 55	0 21	9 39	2 17	12 0	0 48	22 33	1 0	18 10	16 59	17 0	17 10	8 56	8 39	6 19
M22	10 3	19 49	3 41	0 19	4 12	14 46	1 16	22 14	1 0	20 56	0 21	9 41	2 17	12 1	0 48	22 33	1 0	18 11	16 59	16 59	17 9	8 58	8 40	6 19
T 23	9 42	18 7	4 23	0 9	4 12	14 22	1 17	22 7	1 1	20 57	0 21	9 43	2 17	12 2	0 48	22 33	1 0	18 11	16 59	16 58	17 8	8 59	8 41	6 19
W24	9 20	15 20	4 51	0n 5	4 11	13 57	1 18	22 1	1 1	20 58	0 21	9 44	2 18	12 3	0 48	22 33	1 0	18 12	16 59	16 55	17 8	9 1	8 42	6 18
T 25	8 59	11 35	5 3	0 24	4 9	13 32	1 19	21 54	1 2	20 59	0 21	9 46	2 18	12 4	0 48	22 33	1 0	18 12	16 59	16 52	17 7	9 3	8 43	6 18
F 26	8 37	7 2	4 55	0 46	4 5	13 7	1 20	21 47	1 2	21 1	0 21	9 48	2 18	12 4	0 48	22 33	1 0	18 13	16 59	16 49	17 6	9 5	8 44	6 18
S 27	8 15	2 0	4 27	1 12	3 58	12 41	1 21	21 40	1 3	21 2	0 20	9 50	2 18	12 5	0 48	22 33	1 0	18 13	16 59	16 47	17 5	9 7	8 45	6 18
S 28	7 53	3s12	3 41	1 42	3 50	12 15	1 21	21 33	1 4	21 3	0 20	9 52	2 18	12 6	0 48	22 33	1 0	18 14	16 59	16 44	17 4	9 9	8 46	6 18
M29	7 30	8 13	2 39	2 15	3 40	11 49	1 22	21 26	1 4	21 4	0 20	9 54	2 18	12 7	0 48	22 33	1 0	18 15	16 59	16 42	17 3	9 11	8 47	6 18
T 30	7 8	12 40	1 27	2 50	3 28	11 22	1 23	21 19	1 5	21 5	0 20	9 55	2 18	12 8	0 48	22 33	1 0	18 15	17 0	16 41	17 2	9 13	8 48	6 17
W31	6n45	16s15	0s11	3n28	3s14	10n56	1n23	21n11	1n 5	21s 6	0n20	9s57	2s18	12s 9	0s48	22n33	1s 0	18s16	17s 0	16s41	17s 1	9n14	8s49	6n17

Julian Day Number = 2116470.5, Delta T = 18m40s
Ecliptic obliquity = 23°33'24, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°57'05, Lahiri = 11°04'05 Julian Calendar 1 Aug. 1082 == Greg. Calendar 7 Aug. 1082

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1082
geocentric

SEPTEMBER 1082 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 3 3	13♍51'14	28♏ 4	12°R37	6♍29	1♌13	6♐12	10°R 0	0°R20	0♋23	23°R 9	15♏56	17♏ 2	17♈34	20°R17	T 1
F 2	23 6 59	14°49'57	11♐55	11♍36	7°44	1°50	6°19	9♓55	0♓18	0°23	23♓ 8	15°R56	16°59	17°41	20♒14	F 2
S 3	23 10 56	15°48'42	25°26	10°37	8°59	2°27	6°26	9°51	0°16	0°24	23° 7	15°56	16°56	17°48	20°12	S 3
S 4	23 14 52	16°47'28	8♑39	9°44	10°13	3° 4	6°32	9°46	0°13	0°25	23° 6	15°54	16°53	17°54	20° 9	S 4
M 5	23 18 49	17°46'16	21°37	8°58	11°28	3°41	6°39	9°41	0°11	0°26	23° 5	15°49	16°49	18° 1	20° 6	M 5
T 6	23 22 45	18°45'06	4♒20	8°19	12°43	4°18	6°46	9°37	0° 9	0°27	23° 3	15°42	16°46	18° 8	20° 4	T 6
W 7	23 26 42	19°43'58	16°52	7°49	13°58	4°55	6°53	9°32	0° 7	0°27	23° 2	15°33	16°43	18°14	20° 1	W 7
T 8	23 30 39	20°42'52	29°13	7°28	15°13	5°32	7° 1	9°28	0° 4	0°28	23° 1	15°23	16°40	18°21	19°59	T 8
F 9	23 34 35	21°41'48	11♓24	7°18	16°28	6° 9	7° 8	9°23	0° 2	0°29	23° 0	15°13	16°37	18°28	19°57	F 9
S 10	23 38 32	22°40'45	23°27	7°D18	17°42	6°45	7°16	9°19	0° 0	0°29	22°59	15° 3	16°34	18°34	19°54	S 10
S 11	23 42 28	23°39'45	5♈24	7°28	18°57	7°22	7°24	9°14	29♒58	0°30	22°57	14°55	16°30	18°41	19°52	S 11
M12	23 46 25	24°38'47	17°14	7°48	20°12	7°59	7°32	9°10	29°56	0°30	22°56	14°49	16°27	18°48	19°49	M12
T 13	23 50 21	25°37'51	29° 2	8°18	21°27	8°35	7°40	9° 5	29°54	0°31	22°55	14°45	16°24	18°54	19°47	T 13
W14	23 54 18	26°36'57	10♉49	8°57	22°42	9°12	7°48	9° 1	29°52	0°31	22°54	14°D44	16°21	19° 1	19°45	W14
T 15	23 58 14	27°36'06	22°39	9°45	23°57	9°48	7°56	8°57	29°50	0°32	22°53	14°44	16°18	19° 8	19°43	T 15
F 16	0 2 11	28°35'17	4♊37	10°40	25°12	10°25	8° 4	8°53	29°48	0°32	22°52	14°45	16°14	19°14	19°41	F 16
S 17	0 6 8	29°34'30	16°47	11°44	26°27	11° 1	8°13	8°48	29°46	0°33	22°50	14°47	16°11	19°21	19°39	S 17
S 18	0 10 4	0♎33'46	29°13	12°53	27°42	11°37	8°22	8°44	29°44	0°33	22°49	14°R47	16° 8	19°28	19°36	S 18
M19	0 14 1	1°33'04	12♋ 2	14° 9	28°57	12°14	8°30	8°40	29°42	0°33	22°48	14°47	16° 5	19°34	19°34	M19
T 20	0 17 57	2°32'25	25°16	15°29	0♎12	12°50	8°39	8°36	29°40	0°34	22°47	14°45	16° 2	19°41	19°33	T 20
W21	0 21 54	3°31'47	8♌59	16°54	1°27	13°26	8°48	8°32	29°38	0°34	22°46	14°41	15°59	19°48	19°31	W21
T 22	0 25 50	4°31'12	23°11	18°23	2°42	14° 2	8°58	8°28	29°36	0°34	22°45	14°35	15°55	19°54	19°29	T 22
F 23	0 29 47	5°30'40	7♍49	19°54	3°58	14°38	9° 7	8°24	29°34	0°34	22°43	14°29	15°52	20° 1	19°27	F 23
S 24	0 33 43	6°30'09	22°48	21°29	5°13	15°14	9°16	8°20	29°33	0°34	22°42	14°23	15°49	20° 8	19°25	S 24
S 25	0 37 40	7°29'41	8♎ 0	23° 5	6°28	15°50	9°26	8°17	29°31	0°35	22°41	14°18	15°46	20°14	19°23	S 25
M26	0 41 36	8°29'15	23°13	24°43	7°43	16°26	9°35	8°13	29°29	0°35	22°40	14°15	15°43	20°21	19°22	M26
T 27	0 45 33	9°28'51	8♏18	26°23	8°58	17° 2	9°45	8° 9	29°27	0°35	22°39	14°D14	15°39	20°28	19°20	T 27
W28	0 49 30	10°28'29	23° 7	28° 3	10°13	17°38	9°55	8° 6	29°26	0°R35	22°38	14°14	15°36	20°34	19°19	W28
T 29	0 53 26	11°28'08	7♐35	29°45	11°29	18°13	10° 5	8° 2	29°24	0°35	22°37	14°15	15°33	20°41	19°17	T 29
F 30	0 57 23	12♎27'50	21♐37	1♎26	12♎44	18♌49	10♐15	7♓59	29♒23	0♋35	22♓35	14♏17	15♏30	20♈48	19♒16	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n23	18s47	1n 5	4n 7	2s58	10n28	1n24	21n 4	1n 6	21s 8	0n20	9s59	2s18	12s 9	0s48	22n33	1s 0	18s16	17s 0	16s41	17s 0	9n16	8s50	6n17
F 2	6 0	20 7	2 14	4 46	2 41	10 1	1 24	20 56	1 7	21 9	0 19	10 1	2 18	12 10	0 48	22 33	1 0	18 17	17 0	16 41	16 59	9 18	8 51	6 17
S 3	5 37	20 14	3 15	5 25	2 23	9 33	1 25	20 48	1 7	21 10	0 19	10 3	2 18	12 11	0 48	22 33	1 0	18 17	17 0	16 41	16 58	9 20	8 52	6 17
S 4	5 14	19 13	4 4	6 3	2 4	9 5	1 25	20 40	1 8	21 12	0 19	10 4	2 18	12 12	0 48	22 33	1 0	18 18	17 0	16 41	16 58	9 22	8 53	6 16
M 5	4 51	17 13	4 39	6 39	1 44	8 36	1 25	20 32	1 8	21 13	0 19	10 6	2 18	12 13	0 48	22 33	1 0	18 18	17 0	16 39	16 57	9 24	8 54	6 16
T 6	4 28	14 25	4 59	7 12	1 24	8 8	1 25	20 24	1 9	21 14	0 19	10 8	2 18	12 13	0 48	22 33	1 0	18 19	17 0	16 37	16 56	9 26	8 55	6 16
W 7	4 5	11 0	5 5	7 42	1 4	7 39	1 25	20 15	1 10	21 16	0 19	10 10	2 18	12 14	0 48	22 33	1 1	18 19	17 0	16 35	16 55	9 27	8 56	6 16
T 8	3 42	7 10	4 57	8 7	0 44	7 10	1 25	20 7	1 10	21 17	0 18	10 11	2 18	12 15	0 48	22 33	1 1	18 20	17 0	16 32	16 54	9 29	8 57	6 15
F 9	3 19	3 6	4 34	8 29	0 25	6 41	1 25	19 58	1 11	21 19	0 18	10 13	2 18	12 16	0 48	22 33	1 1	18 20	17 0	16 29	16 53	9 31	8 58	6 15
S 10	2 55	1n 4	4 0	8 46	0 7	6 11	1 25	19 50	1 11	21 20	0 18	10 15	2 18	12 16	0 48	22 33	1 1	18 21	17 0	16 26	16 52	9 33	8 59	6 15
S 11	2 32	5 9	3 16	8 58	0n10	5 42	1 25	19 41	1 12	21 21	0 18	10 16	2 18	12 17	0 48	22 33	1 1	18 21	17 0	16 23	16 51	9 35	9 0	6 15
M12	2 8	9 0	2 23	9 6	0 26	5 12	1 25	19 32	1 13	21 23	0 18	10 18	2 18	12 18	0 48	22 33	1 1	18 22	17 0	16 22	16 50	9 37	9 1	6 14
T 13	1 45	12 29	1 24	9 8	0 41	4 42	1 25	19 23	1 13	21 24	0 18	10 20	2 18	12 19	0 48	22 33	1 1	18 22	17 0	16 21	16 49	9 38	9 2	6 14
W14	1 21	15 29	0 21	9 6	0 55	4 12	1 24	19 14	1 14	21 26	0 17	10 21	2 18	12 19	0 48	22 33	1 1	18 23	17 0	16 20	16 48	9 40	9 3	6 14
T 15	0 57	17 50	0s43	8 59	1 7	3 42	1 24	19 4	1 14	21 27	0 17	10 23	2 18	12 20	0 48	22 33	1 1	18 23	17 0	16 20	16 48	9 42	9 4	6 13
F 16	0 34	19 26	1 46	8 48	1 17	3 11	1 23	18 55	1 15	21 29	0 17	10 25	2 18	12 21	0 48	22 33	1 1	18 24	17 0	16 21	16 47	9 44	9 5	6 13
S 17	0 10	20 10	2 45	8 32	1 27	2 41	1 23	18 46	1 15	21 30	0 17	10 26	2 18	12 21	0 48	22 33	1 1	18 24	17 0	16 21	16 46	9 46	9 6	6 13
S 18	0s14	19 55	3 38	8 13	1 35	2 10	1 22	18 36	1 16	21 32	0 17	10 28	2 18	12 22	0 48	22 33	1 1	18 24	17 0	16 21	16 45	9 48	9 7	6 13
M19	0 37	18 40	4 22	7 50	1 42	1 40	1 22	18 26	1 17	21 33	0 17	10 29	2 18	12 23	0 48	22 33	1 1	18 25	17 0	16 21	16 44	9 49	9 7	6 12
T 20	1 1	16 23	4 53	7 24	1 47	1 9	1 21	18 17	1 17	21 35	0 17	10 31	2 18	12 23	0 48	22 32	1 1	18 25	17 0	16 20	16 43	9 51	9 8	6 12
W21	1 25	13 8	5 9	6 54	1 51	0 38	1 20	18 7	1 18	21 36	0 16	10 32	2 18	12 24	0 48	22 32	1 1	18 26	17 0	16 19	16 42	9 53	9 9	6 12
T 22	1 48	9 1	5 7	6 23	1 55	0 8	1 19	17 57	1 18	21 38	0 16	10 34	2 18	12 25	0 48	22 32	1 1	18 26	17 0	16 18	16 41	9 55	9 10	6 11
F 23	2 12	4 16	4 45	5 48	1 57	0s23	1 18	17 47	1 19	21 40	0 16	10 35	2 18	12 25	0 48	22 32	1 1	18 26	17 0	16 16	16 40	9 57	9 11	6 11
S 24	2 36	0s52	4 4	5 12	1 58	0 54	1 17	17 37	1 20	21 41	0 16	10 36	2 17	12 26	0 48	22 32	1 1	18 27	17 0	16 14	16 39	9 58	9 12	6 11
S 25	2 59	6 1	3 5	4 34	1 59	1 25	1 16	17 27	1 20	21 43	0 16	10 38	2 17	12 27	0 48	22 32	1 1	18 27	16 59	16 13	16 38	10 0	9 13	6 10
M26	3 23	10 48	1 52	3 55	1 58	1 56	1 15	17 16	1 21	21 44	0 16	10 39	2 17	12 27	0 48	22 32	1 1	18 28	16 59	16 12	16 37	10 2	9 14	6 10
T 27	3 46	14 51	0 32	3 14	1 57	2 26	1 14	17 6	1 21	21 46	0 15	10 40	2 17	12 28	0 48	22 32	1 1	18 28	16 59	16 11	16 36	10 4	9 14	6 10
W28	4 10	17 52	0n49	2 32	1 55	2 57	1 13	16 56	1 22	21 48	0 15	10 42	2 17	12 28	0 48	22 32	1 1	18 28	16 59	16 11	16 36	10 6	9 15	6 9
T 29	4 33	19 38	2 4	1 50	1 53	3 28	1 12	16 45	1 23	21 49	0 15	10 43	2 17	12 29	0 48	22 32	1 1	18 29	16 59	16 12	16 35	10 7	9 16	6 9
F 30	4s57	20s 7	3n11	1n 6	1n50	3s58	1n10	16n35	1n23	21s51	0n15	10s44	2s17	12s29	0s48	22n32	1s 1	18s29	16s59	16s12	16s34	10n 9	9s17	6n 9

Julian Day Number = 2116501.5, Delta T = 18m40s
Ecliptic obliquity = 23°33'24, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°57'09, Lahiri = 11°04'09 Julian Calendar 1 Sept. 1082 == Greg. Calendar 7 Sept. 1082

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

OCTOBER 1082 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 1 19	13♎27'33	5♉14	3♎ 9	13♎59	19♌24	10♐25	7°R56	29°R21	0°R35	22°R34	14♏18	15♏27	20♈54	19°R14	S 1
S 2	1 5 16	14°27'18	18°27	4°51	15°14	20° 0	10°35	7♓52	29♒20	0♋34	22♓33	14°R18	15°24	21° 1	19♒13	S 2
M 3	1 9 12	15°27'05	1♒20	6°33	16°29	20°35	10°46	7°49	29°18	0°34	22°32	14°17	15°20	21° 8	19°12	M 3
T 4	1 13 9	16°26'53	13°55	8°15	17°45	21°11	10°56	7°46	29°17	0°34	22°31	14°14	15°17	21°14	19°10	T 4
W 5	1 17 5	17°26'43	26°16	9°57	19° 0	21°46	11° 7	7°43	29°15	0°34	22°30	14°11	15°14	21°21	19° 9	W 5
T 6	1 21 2	18°26'35	8♓25	11°39	20°15	22°21	11°17	7°40	29°14	0°34	22°29	14° 6	15°11	21°28	19° 8	T 6
F 7	1 24 59	19°26'29	20°26	13°20	21°30	22°56	11°28	7°37	29°13	0°33	22°28	14° 2	15° 8	21°34	19° 7	F 7
S 8	1 28 55	20°26'24	2♈21	15° 1	22°45	23°31	11°39	7°34	29°12	0°33	22°27	13°58	15° 5	21°41	19° 6	S 8
S 9	1 32 52	21°26'21	14°11	16°42	24° 1	24° 6	11°50	7°32	29°10	0°33	22°26	13°55	15° 1	21°47	19° 5	S 9
M10	1 36 48	22°26'21	26° 0	18°22	25°16	24°41	12° 1	7°29	29° 9	0°32	22°25	13°52	14°58	21°54	19° 4	M10
T 11	1 40 45	23°26'22	7♉48	20° 2	26°31	25°16	12°12	7°27	29° 8	0°32	22°24	13°51	14°55	22° 1	19° 3	T 11
W12	1 44 41	24°26'25	19°39	21°41	27°46	25°51	12°23	7°24	29° 7	0°31	22°23	13°D51	14°52	22° 7	19° 3	W12
T 13	1 48 38	25°26'31	1♊34	23°20	29° 2	26°26	12°35	7°22	29° 6	0°31	22°22	13°52	14°49	22°14	19° 2	T 13
F 14	1 52 34	26°26'38	13°37	24°59	0♏17	27° 0	12°46	7°20	29° 5	0°30	22°21	13°53	14°45	22°21	19° 1	F 14
S 15	1 56 31	27°26'48	25°51	26°37	1°32	27°35	12°58	7°17	29° 4	0°30	22°20	13°55	14°42	22°27	19° 1	S 15
S 16	2 0 28	28°26'59	8♋19	28°14	2°48	28° 9	13° 9	7°15	29° 3	0°29	22°19	13°56	14°39	22°34	19° 0	S 16
M17	2 4 24	29°27'13	21° 6	29°51	4° 3	28°44	13°21	7°13	29° 2	0°29	22°18	13°57	14°36	22°41	19° 0	M17
T 18	2 8 21	0♏27'29	4♌15	1♏28	5°18	29°18	13°33	7°12	29° 2	0°28	22°17	13°R57	14°33	22°47	18°59	T 18
W19	2 12 17	1°27'47	17°48	3° 5	6°33	29°53	13°44	7°10	29° 1	0°27	22°16	13°57	14°30	22°54	18°59	W19
T 20	2 16 14	2°28'07	1♍47	4°41	7°49	0♍27	13°56	7° 8	29° 0	0°26	22°16	13°56	14°26	23° 1	18°59	T 20
F 21	2 20 10	3°28'28	16°12	6°16	9° 4	1° 1	14° 8	7° 7	28°59	0°26	22°15	13°54	14°23	23° 7	18°59	F 21
S 22	2 24 7	4°28'52	0♎59	7°51	10°19	1°35	14°20	7° 5	28°59	0°25	22°14	13°53	14°20	23°14	18°58	S 22
S 23	2 28 3	5°29'18	16° 2	9°26	11°35	2° 9	14°32	7° 4	28°58	0°24	22°13	13°52	14°17	23°21	18°58	S 23
M24	2 32 0	6°29'46	1♏14	11° 1	12°50	2°43	14°44	7° 3	28°58	0°23	22°12	13°52	14°14	23°27	18°D58	M24
T 25	2 35 57	7°30'15	16°24	12°35	14° 5	3°16	14°57	7° 1	28°57	0°22	22°11	13°D52	14°11	23°34	18°58	T 25
W26	2 39 53	8°30'46	1♐23	14° 9	15°21	3°50	15° 9	7° 0	28°57	0°22	22°11	13°52	14° 7	23°41	18°58	W26
T 27	2 43 50	9°31'19	16° 2	15°43	16°36	4°24	15°21	6°59	28°57	0°21	22°10	13°52	14° 4	23°47	18°59	T 27
F 28	2 47 46	10°31'53	0♑18	17°17	17°51	4°57	15°34	6°59	28°56	0°20	22° 9	13°53	14° 1	23°54	18°59	F 28
S 29	2 51 43	11°32'28	14° 7	18°50	19° 7	5°31	15°46	6°58	28°56	0°19	22° 8	13°53	13°58	24° 1	18°59	S 29
S 30	2 55 39	12°33'05	27°28	20°23	20°22	6° 4	15°59	6°57	28°56	0°18	22° 8	13°53	13°55	24° 7	19° 0	S 30
M31	2 59 36	13♏33'42	10♒25	21♏56	21♏37	6♍37	16♐11	6♓57	28♒56	0♋17	22♓ 7	13♏53	13♏51	24♈14	19♒ 0	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s20	19s23	4n 4	0n22	1n47	4s29	1n 9	16n24	1n24	21s52	0n15	10s45	2s17	12s30	0s47	22n32	1s 1	18s29	16s59	16s12	16s33	10n11	9s17	6n 8
S 2	5 44	17 37	4 43	0s22	1 43	4 59	1 7	16 13	1 25	21 54	0 15	10 46	2 17	12 30	0 47	22 32	1 1	18 30	16 59	16 12	16 32	10 13	9 18	6 8
M 3	6 7	14 59	5 6	1 6	1 39	5 30	1 6	16 3	1 25	21 56	0 15	10 47	2 17	12 31	0 47	22 32	1 1	18 30	16 59	16 12	16 31	10 14	9 19	6 7
T 4	6 30	11 43	5 14	1 51	1 34	6 0	1 5	15 52	1 26	21 57	0 15	10 48	2 17	12 31	0 47	22 32	1 1	18 30	16 58	16 11	16 30	10 16	9 20	6 7
W 5	6 53	8 1	5 7	2 36	1 29	6 30	1 3	15 41	1 26	21 59	0 14	10 49	2 16	12 32	0 47	22 32	1 1	18 31	16 58	16 10	16 29	10 18	9 20	6 7
T 6	7 16	4 2	4 46	3 21	1 24	7 0	1 1	15 30	1 27	22 0	0 14	10 50	2 16	12 32	0 47	22 32	1 1	18 31	16 58	16 9	16 28	10 20	9 21	6 6
F 7	7 39	0n 4	4 13	4 5	1 18	7 30	1 0	15 19	1 28	22 2	0 14	10 51	2 16	12 33	0 47	22 32	1 1	18 31	16 58	16 8	16 27	10 21	9 22	6 6
S 8	8 1	4 8	3 29	4 50	1 13	8 0	0 58	15 8	1 28	22 4	0 14	10 52	2 16	12 33	0 47	22 32	1 1	18 31	16 58	16 6	16 26	10 23	9 22	6 6
S 9	8 24	8 1	2 36	5 34	1 7	8 29	0 56	14 57	1 29	22 5	0 14	10 53	2 16	12 33	0 47	22 32	1 1	18 32	16 58	16 5	16 25	10 25	9 23	6 5
M10	8 46	11 36	1 37	6 18	1 1	8 59	0 54	14 46	1 29	22 7	0 14	10 54	2 16	12 34	0 47	22 32	1 1	18 32	16 57	16 5	16 24	10 27	9 24	6 5
T 11	9 9	14 42	0 33	7 2	0 54	9 28	0 53	14 34	1 30	22 9	0 14	10 55	2 16	12 34	0 47	22 32	1 1	18 32	16 57	16 4	16 23	10 29	9 24	6 4
W12	9 31	17 13	0s32	7 45	0 48	9 57	0 51	14 23	1 31	22 10	0 13	10 56	2 16	12 34	0 47	22 32	1 1	18 32	16 57	16 4	16 23	10 30	9 25	6 4
T 13	9 53	19 0	1 37	8 28	0 42	10 25	0 49	14 12	1 31	22 12	0 13	10 56	2 15	12 35	0 47	22 32	1 1	18 32	16 57	16 5	16 22	10 32	9 26	6 4
F 14	10 15	19 56	2 38	9 10	0 35	10 54	0 47	14 0	1 32	22 13	0 13	10 57	2 15	12 35	0 47	22 32	1 1	18 33	16 57	16 5	16 21	10 34	9 26	6 3
S 15	10 37	19 57	3 32	9 52	0 29	11 22	0 45	13 49	1 33	22 15	0 13	10 58	2 15	12 35	0 47	22 32	1 1	18 33	16 56	16 6	16 20	10 36	9 27	6 3
S 16	10 59	19 0	4 18	10 33	0 22	11 50	0 43	13 38	1 33	22 16	0 13	10 58	2 15	12 36	0 47	22 32	1 1	18 33	16 56	16 6	16 19	10 37	9 27	6 2
M17	11 20	17 4	4 53	11 14	0 15	12 18	0 41	13 26	1 34	22 18	0 13	10 59	2 15	12 36	0 47	22 32	1 1	18 33	16 56	16 6	16 18	10 39	9 28	6 2
T 18	11 41	14 13	5 13	11 54	0 9	12 45	0 39	13 15	1 34	22 20	0 13	11 0	2 15	12 36	0 47	22 32	1 1	18 33	16 56	16 6	16 17	10 41	9 28	6 2
W19	12 2	10 33	5 17	12 34	0 2	13 12	0 36	13 3	1 35	22 21	0 13	11 0	2 15	12 36	0 47	22 32	1 2	18 34	16 56	16 6	16 16	10 42	9 29	6 1
T 20	12 23	6 11	5 2	13 13	0s 5	13 39	0 34	12 52	1 36	22 23	0 12	11 1	2 14	12 37	0 47	22 32	1 2	18 34	16 55	16 6	16 15	10 44	9 29	6 1
F 21	12 44	1 21	4 29	13 51	0 11	14 5	0 32	12 40	1 36	22 24	0 12	11 1	2 14	12 37	0 47	22 32	1 2	18 34	16 55	16 5	16 14	10 46	9 30	6 0
S 22	13 5	3s42	3 36	14 29	0 18	14 31	0 30	12 28	1 37	22 26	0 12	11 1	2 14	12 37	0 47	22 32	1 2	18 34	16 55	16 5	16 13	10 48	9 30	6 0
S 23	13 25	8 37	2 29	15 6	0 24	14 57	0 28	12 17	1 38	22 27	0 12	11 2	2 14	12 37	0 47	22 32	1 2	18 34	16 55	16 5	16 12	10 49	9 30	6 0
M24	13 45	13 3	1 10	15 42	0 31	15 22	0 25	12 5	1 38	22 29	0 12	11 2	2 14	12 37	0 47	22 32	1 2	18 34	16 54	16 5	16 11	10 51	9 31	5 59
T 25	14 5	16 36	0n14	16 17	0 37	15 47	0 23	11 53	1 39	22 30	0 12	11 2	2 14	12 37	0 47	22 32	1 2	18 34	16 54	16 5	16 10	10 53	9 31	5 59
W26	14 25	18 58	1 36	16 52	0 44	16 11	0 21	11 42	1 40	22 32	0 12	11 3	2 13	12 37	0 47	22 32	1 2	18 34	16 54	16 5	16 9	10 54	9 32	5 58
T 27	14 44	20 0	2 50	17 25	0 50	16 35	0 18	11 30	1 40	22 33	0 12	11 3	2 13	12 38	0 47	22 32	1 2	18 34	16 54	16 5	16 8	10 56	9 32	5 58
F 28	15 3	19 43	3 51	17 58	0 56	16 59	0 16	11 18	1 41	22 35	0 11	11 3	2 13	12 38	0 47	22 32	1 2	18 34	16 53	16 5	16 7	10 58	9 32	5 58
S 29	15 22	18 13	4 36	18 30	1 2	17 22	0 14	11 6	1 41	22 36	0 11	11 3	2 13	12 38	0 47	22 32	1 2	18 34	16 53	16 5	16 6	11 0	9 32	5 57
S 30	15 41	15 47	5 5	19 2	1 8	17 45	0 11	10 55	1 42	22 38	0 11	11 3	2 13	12 38	0 47	22 32	1 2	18 34	16 53	16 5	16 5	11 1	9 33	5 57
M31	15s59	12s37	5n18	19s32	1s14	18s 7	0n 9	10n43	1n43	22s39	0n11	11s 3	2s13	12s38	0s46	22n32	1s 2	18s34	16s52	16s 5	16s 5	11n 3	9s33	5n56

Julian Day Number = 2116531.5, Delta T = 18m40s
Ecliptic obliquity = 23°33'23, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°57'13, Lahiri = 11°04'13 Julian Calendar 1 Oct. 1082 == Greg. Calendar 7 Oct. 1082

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1082
geocentric

NOVEMBER 1082 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 3 32	14♏34'21	23♒ 0	23♏29	22♏53	7♍10	16♐24	6°R56	28°R56	0°R16	22°R 6	13♏53	13♏48	24♈21	19♒ 0	T 1
W 2	3 7 29	15°35'01	5♓18	25° 1	24° 8	7°43	16°37	6♓56	28°D56	0♋15	22♓ 6	13°53	13°45	24°27	19° 1	W 2
T 3	3 11 26	16°35'43	17°22	26°33	25°23	8°16	16°50	6°56	28♒56	0°13	22° 5	13°53	13°42	24°34	19° 2	T 3
F 4	3 15 22	17°36'25	29°16	28° 5	26°39	8°49	17° 3	6°D56	28°56	0°12	22° 5	13°54	13°39	24°41	19° 2	F 4
S 5	3 19 19	18°37'09	11♈ 6	29°37	27°54	9°22	17°15	6°56	28°56	0°11	22° 4	13°54	13°36	24°47	19° 3	S 5
S 6	3 23 15	19°37'54	22°54	1♐ 9	29° 9	9°54	17°28	6°56	28°56	0°10	22° 3	13°55	13°32	24°54	19° 4	S 6
M 7	3 27 12	20°38'40	4♉43	2°40	0♐25	10°27	17°41	6°56	28°56	0° 9	22° 3	13°55	13°29	25° 0	19° 5	M 7
T 8	3 31 8	21°39'27	16°36	4°11	1°40	10°59	17°54	6°57	28°56	0° 7	22° 2	13°R55	13°26	25° 7	19° 6	T 8
W 9	3 35 5	22°40'16	28°34	5°42	2°55	11°32	18° 7	6°57	28°57	0° 6	22° 2	13°55	13°23	25°14	19° 7	W 9
T 10	3 39 1	23°41'06	10♊40	7°13	4°10	12° 4	18°21	6°58	28°57	0° 5	22° 1	13°54	13°20	25°20	19° 8	T 10
F 11	3 42 58	24°41'57	22°56	8°44	5°26	12°36	18°34	6°58	28°58	0° 4	22° 1	13°53	13°16	25°27	19° 9	F 11
S 12	3 46 55	25°42'49	5♋22	10°14	6°41	13° 8	18°47	6°59	28°58	0° 2	22° 1	13°51	13°13	25°34	19°10	S 12
S 13	3 50 51	26°43'43	18° 1	11°44	7°56	13°40	19° 0	7° 0	28°59	0° 1	22° 0	13°49	13°10	25°40	19°11	S 13
M14	3 54 48	27°44'38	0♌55	13°13	9°12	14°11	19°14	7° 1	28°59	29♊59	22° 0	13°48	13° 7	25°47	19°12	M14
T 15	3 58 44	28°45'35	14° 5	14°42	10°27	14°43	19°27	7° 2	29° 0	29°58	21°59	13°46	13° 4	25°54	19°14	T 15
W16	4 2 41	29°46'33	27°33	16°11	11°42	15°14	19°40	7° 3	29° 0	29°57	21°59	13°D46	13° 1	26° 0	19°15	W16
T 17	4 6 37	0♐47'32	11♍21	17°38	12°57	15°46	19°54	7° 4	29° 1	29°55	21°59	13°46	12°57	26° 7	19°17	T 17
F 18	4 10 34	1°48'32	25°28	19° 5	14°13	16°17	20° 7	7° 6	29° 2	29°54	21°58	13°47	12°54	26°14	19°18	F 18
S 19	4 14 30	2°49'34	9♎54	20°31	15°28	16°48	20°21	7° 7	29° 3	29°52	21°58	13°48	12°51	26°20	19°20	S 19
S 20	4 18 27	3°50'36	24°36	21°57	16°43	17°19	20°34	7° 9	29° 4	29°51	21°58	13°50	12°48	26°27	19°21	S 20
M21	4 22 24	4°51'40	9♏28	23°20	17°59	17°50	20°48	7°11	29° 5	29°49	21°58	13°R50	12°45	26°34	19°23	M21
T 22	4 26 20	5°52'45	24°23	24°43	19°14	18°20	21° 1	7°13	29° 6	29°48	21°57	13°50	12°42	26°40	19°25	T 22
W23	4 30 17	6°53'51	9♐15	26° 4	20°29	18°51	21°15	7°15	29° 7	29°46	21°57	13°49	12°38	26°47	19°27	W23
T 24	4 34 13	7°54'58	23°54	27°23	21°44	19°21	21°29	7°17	29° 8	29°45	21°57	13°46	12°35	26°54	19°29	T 24
F 25	4 38 10	8°56'05	8♑14	28°39	23° 0	19°51	21°42	7°19	29° 9	29°43	21°57	13°42	12°32	27° 0	19°30	F 25
S 26	4 42 6	9°57'13	22°10	29°53	24°15	20°22	21°56	7°21	29°10	29°42	21°57	13°38	12°29	27° 7	19°32	S 26
S 27	4 46 3	10°58'21	5♒40	1♑ 4	25°30	20°51	22°10	7°23	29°11	29°40	21°57	13°34	12°26	27°14	19°35	S 27
M28	4 49 59	11°59'29	18°44	2°11	26°45	21°21	22°23	7°26	29°13	29°39	21°57	13°31	12°22	27°20	19°37	M28
T 29	4 53 56	13° 0'38	1♓23	3°14	28° 1	21°51	22°37	7°28	29°14	29°37	21°57	13°29	12°19	27°27	19°39	T 29
W30	4 57 53	14♐ 1'47	13♓43	4♑12	29♐16	22♍20	22♐51	7♓31	29♒15	29♊35	21°D57	13°D28	12♏16	27♈33	19♒41	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s17	8s58	5n14	20s 1	1s20	18s29	0n 6	10n31	1n43	22s41	0n11	11s 3	2s12	12s38	0s46	22n32	1s 2	18s34	16s52	16s 5	16s 4	11n 5	9s33	5n56
W 2	16 35	5 1	4 56	20 30	1 25	18 50	0 4	10 19	1 44	22 42	0 11	11 3	2 12	12 38	0 46	22 32	1 2	18 34	16 52	16 5	16 3	11 6	9 33	5 56
T 3	16 53	0 57	4 26	20 57	1 31	19 11	0 2	10 8	1 45	22 43	0 11	11 3	2 12	12 38	0 46	22 32	1 2	18 34	16 52	16 5	16 2	11 8	9 34	5 55
F 4	17 10	3n 8	3 44	21 23	1 36	19 31	0s 1	9 56	1 45	22 45	0 11	11 3	2 12	12 38	0 46	22 32	1 2	18 34	16 51	16 5	16 1	11 10	9 34	5 55
S 5	17 27	7 3	2 53	21 48	1 41	19 50	0 3	9 44	1 46	22 46	0 11	11 3	2 12	12 38	0 46	22 32	1 2	18 34	16 51	16 5	16 0	11 11	9 34	5 54
S 6	17 44	10 43	1 54	22 13	1 46	20 10	0 6	9 32	1 47	22 47	0 10	11 2	2 11	12 37	0 46	22 32	1 2	18 34	16 51	16 6	15 59	11 13	9 34	5 54
M 7	18 0	13 57	0 51	22 36	1 50	20 28	0 8	9 21	1 47	22 49	0 10	11 2	2 11	12 37	0 46	22 32	1 2	18 34	16 50	16 6	15 58	11 15	9 34	5 54
T 8	18 16	16 38	0s15	22 58	1 54	20 46	0 11	9 9	1 48	22 50	0 10	11 2	2 11	12 37	0 46	22 32	1 2	18 34	16 50	16 6	15 57	11 16	9 34	5 53
W 9	18 32	18 38	1 21	23 18	1 58	21 3	0 13	8 57	1 49	22 51	0 10	11 2	2 11	12 37	0 46	22 32	1 2	18 34	16 50	16 6	15 56	11 18	9 34	5 53
T 10	18 47	19 48	2 23	23 38	2 2	21 20	0 15	8 45	1 50	22 53	0 10	11 1	2 11	12 37	0 46	22 31	1 2	18 34	16 49	16 5	15 55	11 20	9 35	5 52
F 11	19 2	20 2	3 20	23 56	2 6	21 36	0 18	8 34	1 50	22 54	0 10	11 1	2 11	12 37	0 46	22 31	1 2	18 34	16 49	16 5	15 54	11 21	9 35	5 52
S 12	19 17	19 19	4 8	24 13	2 9	21 52	0 20	8 22	1 51	22 55	0 10	11 0	2 10	12 36	0 46	22 31	1 2	18 34	16 49	16 4	15 53	11 23	9 35	5 52
S 13	19 31	17 37	4 45	24 29	2 12	22 7	0 23	8 10	1 52	22 56	0 10	11 0	2 10	12 36	0 46	22 31	1 2	18 34	16 48	16 4	15 52	11 25	9 35	5 51
M14	19 45	15 2	5 9	24 43	2 14	22 21	0 25	7 59	1 52	22 57	0 10	10 59	2 10	12 36	0 46	22 31	1 2	18 33	16 48	16 3	15 51	11 26	9 35	5 51
T 15	19 59	11 38	5 17	24 56	2 16	22 34	0 27	7 47	1 53	22 59	0 9	10 59	2 10	12 36	0 46	22 31	1 2	18 33	16 48	16 3	15 50	11 28	9 35	5 50
W16	20 12	7 34	5 8	25 7	2 18	22 47	0 30	7 35	1 54	23 0	0 9	10 58	2 10	12 35	0 46	22 31	1 2	18 33	16 47	16 3	15 49	11 30	9 34	5 50
T 17	20 25	3 1	4 41	25 17	2 19	23 0	0 32	7 24	1 54	23 1	0 9	10 57	2 9	12 35	0 46	22 31	1 2	18 33	16 47	16 3	15 48	11 31	9 34	5 50
F 18	20 37	1s49	3 57	25 26	2 20	23 11	0 34	7 12	1 55	23 2	0 9	10 57	2 9	12 35	0 46	22 31	1 2	18 33	16 47	16 3	15 47	11 33	9 34	5 49
S 19	20 50	6 39	2 57	25 33	2 20	23 22	0 37	7 1	1 56	23 3	0 9	10 56	2 9	12 35	0 46	22 31	1 2	18 32	16 46	16 4	15 46	11 35	9 34	5 49
S 20	21 1	11 12	1 44	25 38	2 20	23 32	0 39	6 49	1 57	23 4	0 9	10 55	2 9	12 34	0 46	22 31	1 2	18 32	16 46	16 4	15 45	11 36	9 34	5 49
M21	21 13	15 6	0 24	25 42	2 19	23 42	0 41	6 38	1 57	23 5	0 9	10 54	2 9	12 34	0 46	22 31	1 2	18 32	16 46	16 4	15 44	11 38	9 34	5 48
T 22	21 24	18 1	0n58	25 45	2 18	23 50	0 43	6 26	1 58	23 6	0 9	10 53	2 9	12 33	0 46	22 31	1 2	18 32	16 45	16 4	15 43	11 40	9 34	5 48
W23	21 34	19 43	2 16	25 46	2 16	23 58	0 46	6 15	1 59	23 7	0 9	10 53	2 8	12 33	0 46	22 31	1 2	18 32	16 45	16 4	15 42	11 41	9 33	5 47
T 24	21 44	20 2	3 23	25 45	2 13	24 6	0 48	6 4	1 59	23 8	0 9	10 52	2 8	12 33	0 46	22 31	1 2	18 31	16 45	16 3	15 41	11 43	9 33	5 47
F 25	21 54	19 2	4 16	25 42	2 9	24 12	0 50	5 53	2 0	23 9	0 8	10 51	2 8	12 32	0 46	22 31	1 2	18 31	16 44	16 2	15 40	11 44	9 33	5 47
S 26	22 3	16 54	4 53	25 38	2 5	24 18	0 52	5 41	2 1	23 10	0 8	10 50	2 8	12 32	0 45	22 31	1 2	18 31	16 44	16 1	15 39	11 46	9 33	5 46
S 27	22 12	13 55	5 11	25 33	2 0	24 23	0 54	5 30	2 2	23 11	0 8	10 49	2 8	12 31	0 45	22 31	1 2	18 30	16 44	15 59	15 39	11 48	9 32	5 46
M28	22 20	10 19	5 13	25 26	1 54	24 27	0 56	5 19	2 2	23 12	0 8	10 48	2 7	12 31	0 45	22 31	1 2	18 30	16 43	15 58	15 38	11 49	9 32	5 46
T 29	22 28	6 22	4 59	25 17	1 46	24 31	0 58	5 8	2 3	23 13	0 8	10 46	2 7	12 30	0 45	22 31	1 2	18 30	16 43	15 58	15 37	11 51	9 32	5 45
W30	22s36	2s15	4n32	25s 7	1s38	24s34	1s 0	4n57	2n 4	23s14	0n 8	10s45	2s 7	12s30	0s45	22n31	1s 2	18s30	16s42	15s58	15s36	11n53	9s32	5n45

Julian Day Number = 2116562.5, Delta T = 18m40s
Ecliptic obliquity = 23°33'23, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°57'17, Lahiri = 11°04'18 Julian Calendar 1 Nov. 1082 == Greg. Calendar 7 Nov. 1082

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1082
geocentric

DECEMBER 1082 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 1 49	15♐ 2'56	25♓47	5♑ 4	0♑31	22♍49	23♐ 5	7♓34	29♒17	29°R34	21♓57	13♏29	12♏13	27♈40	19♒43	T 1
F 2	5 5 46	16° 4'06	7♈40	5°50	1°46	23°18	23°18	7°37	29°18	29♊32	21°57	13°31	12°10	27°47	19°45	F 2
S 3	5 9 42	17° 5'15	19°29	6°29	3° 1	23°47	23°32	7°40	29°20	29°30	21°57	13°32	12° 7	27°53	19°48	S 3
S 4	5 13 39	18° 6'25	1♉16	7° 0	4°17	24°16	23°46	7°43	29°21	29°29	21°57	13°34	12° 3	28° 0	19°50	S 4
M 5	5 17 35	19° 7'35	13° 7	7°22	5°32	24°45	24° 0	7°46	29°23	29°27	21°57	13°R35	12° 0	28° 7	19°53	M 5
T 6	5 21 32	20° 8'45	25° 5	7°34	6°47	25°13	24°14	7°49	29°25	29°25	21°57	13°34	11°57	28°13	19°55	T 6
W 7	5 25 28	21° 9'56	7♊13	7°R35	8° 2	25°41	24°28	7°53	29°26	29°24	21°57	13°31	11°54	28°20	19°58	W 7
T 8	5 29 25	22°11'06	19°33	7°25	9°17	26° 9	24°42	7°56	29°28	29°22	21°57	13°27	11°51	28°27	20° 0	T 8
F 9	5 33 22	23°12'17	2♋ 6	7° 3	10°32	26°37	24°55	8° 0	29°30	29°20	21°57	13°21	11°48	28°33	20° 3	F 9
S 10	5 37 18	24°13'28	14°53	6°30	11°47	27° 5	25° 9	8° 3	29°32	29°19	21°58	13°13	11°44	28°40	20° 6	S 10
S 11	5 41 15	25°14'39	27°52	5°44	13° 3	27°32	25°23	8° 7	29°33	29°17	21°58	13° 6	11°41	28°47	20° 8	S 11
M12	5 45 11	26°15'50	11♌ 4	4°48	14°18	27°59	25°37	8°11	29°35	29°15	21°58	12°58	11°38	28°53	20°11	M12
T 13	5 49 8	27°17'02	24°28	3°43	15°33	28°26	25°51	8°15	29°37	29°14	21°58	12°52	11°35	29° 0	20°14	T 13
W14	5 53 4	28°18'14	8♍ 4	2°30	16°48	28°53	26° 5	8°19	29°39	29°12	21°59	12°48	11°32	29° 7	20°17	W14
T 15	5 57 1	29°19'26	21°51	1°12	18° 3	29°19	26°19	8°23	29°41	29°10	21°59	12°46	11°28	29°13	20°20	T 15
F 16	6 0 57	0♑20'38	5♎49	29♐52	19°18	29°46	26°32	8°27	29°44	29° 9	21°59	12°D46	11°25	29°20	20°23	F 16
S 17	6 4 54	1°21'50	19°57	28°31	20°33	0♎12	26°46	8°31	29°46	29° 7	22° 0	12°47	11°22	29°27	20°26	S 17
S 18	6 8 51	2°23'03	4♏15	27°13	21°48	0°38	27° 0	8°35	29°48	29° 5	22° 0	12°48	11°19	29°33	20°29	S 18
M19	6 12 47	3°24'16	18°41	26° 0	23° 3	1° 3	27°14	8°40	29°50	29° 3	22° 1	12°R48	11°16	29°40	20°32	M19
T 20	6 16 44	4°25'29	3♐10	24°53	24°18	1°29	27°28	8°44	29°52	29° 2	22° 1	12°47	11°13	29°46	20°35	T 20
W21	6 20 40	5°26'41	17°38	23°54	25°33	1°54	27°42	8°49	29°55	29° 0	22° 2	12°42	11° 9	29°53	20°38	W21
T 22	6 24 37	6°27'54	2♑ 0	23° 5	26°48	2°19	27°56	8°54	29°57	28°58	22° 2	12°36	11° 6	29°59	20°41	T 22
F 23	6 28 33	7°29'06	16° 8	22°26	28° 3	2°43	28° 9	8°58	29°59	28°57	22° 3	12°27	11° 3	0♉ 6	20°45	F 23
S 24	6 32 30	8°30'18	29°58	21°56	29°18	3° 7	28°23	9° 3	0♓ 2	28°55	22° 3	12°17	11° 0	0°13	20°48	S 24
S 25	6 36 27	9°31'29	13♒27	21°36	0♒33	3°31	28°37	9° 8	0° 4	28°53	22° 4	12° 7	10°57	0°20	20°51	S 25
M26	6 40 23	10°32'39	26°32	21°25	1°48	3°55	28°51	9°13	0° 7	28°52	22° 4	11°58	10°54	0°26	20°55	M26
T 27	6 44 20	11°33'49	9♓15	21°D23	3° 3	4°19	29° 5	9°18	0° 9	28°50	22° 5	11°51	10°50	0°33	20°58	T 27
W28	6 48 16	12°34'58	21°37	21°30	4°18	4°42	29°18	9°23	0°12	28°48	22° 6	11°46	10°47	0°40	21° 2	W28
T 29	6 52 13	13°36'06	3♈43	21°44	5°32	5° 5	29°32	9°28	0°14	28°47	22° 6	11°43	10°44	0°46	21° 5	T 29
F 30	6 56 9	14°37'13	15°37	22° 5	6°47	5°27	29°46	9°34	0°17	28°45	22° 7	11°D43	10°41	0°53	21° 8	F 30
S 31	7 0 6	15♑38'19	27♈26	22♐33	8♒ 2	5♎49	29♐59	9♓39	0♓20	28♊43	22♓ 8	11♏43	10♏38	1♉ 0	21♒12	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s43	1n52	3n53	24s56	1s29	24s36	1s 2	4n46	2n 5	23s15	0n 8	10s44	2s 7	12s29	0s45	22n31	1s 2	18s29	16s42	15s58	15s35	11n54	9s31	5n44
F 2	22 49	5 53	3 4	24 44	1 18	24 37	1 4	4 35	2 5	23 15	0 8	10 43	2 7	12 29	0 45	22 31	1 2	18 29	16 42	15 58	15 34	11 56	9 31	5 44
S 3	22 56	9 38	2 8	24 30	1 6	24 37	1 6	4 24	2 6	23 16	0 8	10 42	2 7	12 28	0 45	22 31	1 2	18 29	16 41	15 59	15 33	11 57	9 30	5 44
S 4	23 1	13 1	1 7	24 15	0 53	24 37	1 8	4 14	2 7	23 17	0 8	10 40	2 6	12 28	0 45	22 31	1 2	18 28	16 41	15 59	15 32	11 59	9 30	5 43
M 5	23 7	15 54	0 3	24 0	0 39	24 36	1 10	4 3	2 8	23 18	0 7	10 39	2 6	12 27	0 45	22 31	1 2	18 28	16 41	16 0	15 31	12 1	9 30	5 43
T 6	23 11	18 7	1s 2	23 43	0 23	24 34	1 11	3 52	2 9	23 18	0 7	10 37	2 6	12 26	0 45	22 31	1 2	18 27	16 40	15 59	15 30	12 2	9 29	5 43
W 7	23 16	19 34	2 5	23 27	0 6	24 32	1 13	3 42	2 9	23 19	0 7	10 36	2 6	12 26	0 45	22 31	1 2	18 27	16 40	15 59	15 29	12 4	9 29	5 42
T 8	23 19	20 6	3 3	23 9	0n12	24 28	1 15	3 31	2 10	23 20	0 7	10 35	2 6	12 25	0 45	22 31	1 2	18 27	16 40	15 57	15 28	12 5	9 28	5 42
F 9	23 23	19 39	3 53	22 52	0 30	24 24	1 16	3 21	2 11	23 20	0 7	10 33	2 6	12 24	0 45	22 31	1 2	18 26	16 39	15 55	15 27	12 7	9 28	5 42
S 10	23 26	18 12	4 33	22 34	0 50	24 19	1 18	3 11	2 12	23 21	0 7	10 32	2 5	12 24	0 45	22 31	1 2	18 26	16 39	15 53	15 26	12 9	9 27	5 41
S 11	23 28	15 49	4 58	22 16	1 10	24 14	1 19	3 1	2 12	23 22	0 7	10 30	2 5	12 23	0 45	22 31	1 2	18 25	16 39	15 51	15 25	12 10	9 27	5 41
M12	23 30	12 35	5 9	21 59	1 29	24 7	1 21	2 50	2 13	23 22	0 7	10 28	2 5	12 22	0 45	22 31	1 2	18 25	16 38	15 49	15 24	12 12	9 26	5 41
T 13	23 32	8 40	5 3	21 42	1 48	24 0	1 22	2 40	2 14	23 23	0 7	10 27	2 5	12 22	0 45	22 31	1 2	18 25	16 38	15 47	15 23	12 13	9 25	5 41
W14	23 33	4 15	4 40	21 25	2 7	23 52	1 23	2 30	2 15	23 23	0 7	10 25	2 5	12 21	0 45	22 31	1 2	18 24	16 37	15 45	15 22	12 15	9 25	5 40
T 15	23 33	0s26	4 0	21 10	2 24	23 44	1 25	2 21	2 16	23 24	0 6	10 24	2 5	12 20	0 45	22 31	1 2	18 24	16 37	15 45	15 21	12 16	9 24	5 40
F 16	23 33	5 10	3 6	20 55	2 39	23 35	1 26	2 11	2 16	23 24	0 6	10 22	2 4	12 19	0 45	22 31	1 2	18 23	16 37	15 45	15 20	12 18	9 24	5 40
S 17	23 33	9 42	2 0	20 42	2 51	23 25	1 27	2 1	2 17	23 25	0 6	10 20	2 4	12 19	0 45	22 31	1 2	18 23	16 36	15 45	15 19	12 20	9 23	5 39
S 18	23 32	13 43	0 46	20 30	3 2	23 14	1 28	1 52	2 18	23 25	0 6	10 18	2 4	12 18	0 45	22 31	1 2	18 22	16 36	15 45	15 18	12 21	9 22	5 39
M19	23 31	16 58	0n32	20 20	3 10	23 2	1 29	1 42	2 19	23 26	0 6	10 16	2 4	12 17	0 45	22 31	1 2	18 22	16 36	15 45	15 17	12 23	9 22	5 39
T 20	23 29	19 8	1 47	20 12	3 15	22 50	1 30	1 33	2 20	23 26	0 6	10 15	2 4	12 16	0 45	22 31	1 2	18 21	16 35	15 45	15 16	12 24	9 21	5 38
W21	23 27	20 3	2 56	20 7	3 18	22 38	1 31	1 23	2 21	23 26	0 6	10 13	2 4	12 15	0 45	22 31	1 2	18 21	16 35	15 44	15 15	12 26	9 20	5 38
T 22	23 24	19 40	3 53	20 3	3 19	22 24	1 32	1 14	2 21	23 27	0 6	10 11	2 4	12 14	0 45	22 31	1 2	18 20	16 35	15 42	15 14	12 27	9 19	5 38
F 23	23 21	18 2	4 34	20 2	3 18	22 10	1 33	1 5	2 22	23 27	0 6	10 9	2 3	12 14	0 45	22 31	1 2	18 20	16 34	15 39	15 13	12 29	9 19	5 38
S 24	23 17	15 23	4 58	20 3	3 16	21 55	1 33	0 56	2 23	23 27	0 6	10 7	2 3	12 13	0 45	22 31	1 2	18 19	16 34	15 36	15 12	12 30	9 18	5 37
S 25	23 13	11 59	5 5	20 6	3 11	21 40	1 34	0 48	2 24	23 27	0 5	10 5	2 3	12 12	0 45	22 31	1 2	18 19	16 34	15 33	15 11	12 32	9 17	5 37
M26	23 8	8 6	4 56	20 11	3 6	21 24	1 35	0 39	2 25	23 28	0 5	10 3	2 3	12 11	0 44	22 31	1 2	18 18	16 33	15 30	15 10	12 33	9 16	5 37
T 27	23 3	3 57	4 32	20 18	2 59	21 7	1 35	0 30	2 26	23 28	0 5	10 1	2 3	12 10	0 44	22 31	1 2	18 18	16 33	15 28	15 9	12 35	9 15	5 37
W28	22 57	0n16	3 55	20 26	2 51	20 49	1 35	0 22	2 27	23 28	0 5	9 59	2 3	12 9	0 44	22 31	1 2	18 17	16 33	15 26	15 8	12 36	9 15	5 36
T 29	22 51	4 22	3 9	20 35	2 43	20 32	1 36	0 14	2 27	23 28	0 5	9 57	2 3	12 8	0 44	22 31	1 2	18 16	16 32	15 25	15 7	12 38	9 14	5 36
F 30	22 45	8 15	2 15	20 45	2 35	20 13	1 36	0 6	2 28	23 28	0 5	9 55	2 2	12 7	0 44	22 31	1 2	18 16	16 32	15 25	15 6	12 40	9 13	5 36
S 31	22s38	11n47	1n16	20s56	2n25	19s54	1s36	0s 2	2n29	23s28	0n 5	9s52	2s 2	12s 6	0s44	22n31	1s 2	18s15	16s32	15s25	15s 5	12n41	9s12	5n36

Julian Day Number = 2116592.5, Delta T = 18m39s
Ecliptic obliquity = 23°33'22, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°57'21, Lahiri = 11°04'22 Julian Calendar 1 Dec. 1082 == Greg. Calendar 7 Dec. 1082

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1083
geocentric

JANUARY 1083 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 4 2	16♉39'25	9♉14	23♐ 6	9♒17	6♎11	0♉13	9♓44	0♓22	28°R42	22♓ 8	11°R44	10♏34	1♉ 6	21♒16	S 1
M 2	7 7 59	17°40'29	21° 6	23°45	10°32	6°33	0°27	9°50	0°25	28♊40	22° 9	11♏43	10°31	1°13	21°19	M 2
T 3	7 11 56	18°41'33	3♊ 8	24°28	11°46	6°54	0°40	9°56	0°28	28°39	22°10	11°41	10°28	1°20	21°23	T 3
W 4	7 15 52	19°42'35	15°24	25°16	13° 1	7°15	0°54	10° 1	0°31	28°37	22°11	11°36	10°25	1°26	21°26	W 4
T 5	7 19 49	20°43'37	27°56	26° 8	14°16	7°35	1° 7	10° 7	0°33	28°36	22°11	11°28	10°22	1°33	21°30	T 5
F 6	7 23 45	21°44'37	10♋46	27° 3	15°30	7°56	1°21	10°13	0°36	28°34	22°12	11°18	10°19	1°39	21°34	F 6
S 7	7 27 42	22°45'37	23°54	28° 1	16°45	8°16	1°34	10°18	0°39	28°32	22°13	11° 6	10°15	1°46	21°37	S 7
S 8	7 31 38	23°46'35	7♌18	29° 2	17°59	8°35	1°47	10°24	0°42	28°31	22°14	10°54	10°12	1°53	21°41	S 8
M 9	7 35 35	24°47'33	20°56	0♍ 6	19°14	8°54	2° 1	10°30	0°45	28°29	22°15	10°42	10° 9	1°59	21°45	M 9
T 10	7 39 31	25°48'30	4♍45	1°12	20°28	9°13	2°14	10°36	0°48	28°28	22°16	10°32	10° 6	2° 6	21°49	T 10
W11	7 43 28	26°49'25	18°41	2°21	21°43	9°31	2°27	10°42	0°51	28°26	22°17	10°24	10° 3	2°13	21°53	W11
T 12	7 47 25	27°50'20	2♎41	3°31	22°57	9°49	2°41	10°48	0°54	28°25	22°17	10°19	10° 0	2°19	21°56	T 12
F 13	7 51 21	28°51'14	16°44	4°44	24°12	10° 6	2°54	10°55	0°57	28°24	22°18	10°17	9°56	2°26	22° 0	F 13
S 14	7 55 18	29°52'08	0♏49	5°58	25°26	10°24	3° 7	11° 1	1° 0	28°22	22°19	10°D17	9°53	2°33	22° 4	S 14
S 15	7 59 14	0♒53'00	14°54	7°14	26°41	10°40	3°20	11° 7	1° 3	28°21	22°20	10°R17	9°50	2°39	22° 8	S 15
M16	8 3 11	1°53'52	28°59	8°31	27°55	10°56	3°33	11°13	1° 6	28°19	22°21	10°16	9°47	2°46	22°12	M16
T 17	8 7 7	2°54'43	13♐ 3	9°49	29° 9	11°12	3°46	11°20	1° 9	28°18	22°22	10°13	9°44	2°53	22°16	T 17
W18	8 11 4	3°55'32	27° 3	11° 9	0♓24	11°27	3°59	11°26	1°12	28°17	22°23	10° 7	9°40	2°59	22°20	W18
T 19	8 15 0	4°56'21	10♉57	12°30	1°38	11°42	4°12	11°33	1°15	28°15	22°25	9°58	9°37	3° 6	22°24	T 19
F 20	8 18 57	5°57'08	24°42	13°53	2°52	11°56	4°25	11°39	1°19	28°14	22°26	9°46	9°34	3°13	22°28	F 20
S 21	8 22 54	6°57'55	8♒13	15°16	4° 6	12°10	4°38	11°46	1°22	28°13	22°27	9°33	9°31	3°19	22°32	S 21
S 22	8 26 50	7°58'39	21°28	16°41	5°20	12°23	4°51	11°52	1°25	28°12	22°28	9°19	9°28	3°26	22°36	S 22
M23	8 30 47	8°59'22	4♓25	18° 6	6°34	12°36	5° 4	11°59	1°28	28°10	22°29	9° 6	9°25	3°32	22°40	M23
T 24	8 34 43	10° 0'04	17° 3	19°33	7°48	12°48	5°16	12° 6	1°32	28° 9	22°30	8°56	9°21	3°39	22°44	T 24
W25	8 38 40	11° 0'44	29°23	21° 1	9° 2	13° 0	5°29	12°13	1°35	28° 8	22°31	8°48	9°18	3°46	22°48	W25
T 26	8 42 36	12° 1'22	11♈29	22°29	10°16	13°11	5°41	12°19	1°38	28° 7	22°32	8°43	9°15	3°52	22°52	T 26
F 27	8 46 33	13° 1'58	23°23	23°59	11°30	13°22	5°54	12°26	1°41	28° 6	22°34	8°41	9°12	3°59	22°56	F 27
S 28	8 50 29	14° 2'33	5♉12	25°30	12°44	13°32	6° 6	12°33	1°45	28° 5	22°35	8°40	9° 9	4° 6	23° 0	S 28
S 29	8 54 26	15° 3'05	16°59	27° 1	13°58	13°41	6°19	12°40	1°48	28° 4	22°36	8°40	9° 6	4°12	23° 4	S 29
M30	8 58 23	16° 3'36	28°52	28°33	15°12	13°50	6°31	12°47	1°51	28° 3	22°37	8°40	9° 2	4°19	23° 8	M30
T 31	9 2 19	17♒ 4'05	10♊55	0♒ 7	16♓26	13♎58	6♉43	12♓54	1♓55	28♊ 2	22♓38	8♏38	8♏59	4♉26	23♒12	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s31	14n51	0n13	21s 7	2n16	19s34	1s37	0s10	2n30	23s29	0n 5	9s50	2s 2	12s 5	0s44	22n31	1s 2	18s15	16s31	15s26	15s 4	12n43	9s11	5n35
M 2	22 23	17 19	0s50	21 18	2 6	19 14	1 37	0 18	2 31	23 29	0 5	9 48	2 2	12 4	0 44	22 31	1 2	18 14	16 31	15 25	15 3	12 44	9 10	5 35
T 3	22 15	19 4	1 52	21 30	1 56	18 53	1 37	0 26	2 32	23 29	0 5	9 46	2 2	12 3	0 44	22 31	1 2	18 14	16 31	15 25	15 2	12 46	9 9	5 35
W 4	22 6	19 57	2 49	21 42	1 46	18 32	1 37	0 33	2 33	23 29	0 4	9 44	2 2	12 2	0 44	22 31	1 2	18 13	16 30	15 23	15 1	12 47	9 8	5 35
T 5	21 57	19 53	3 40	21 53	1 36	18 10	1 36	0 40	2 34	23 29	0 4	9 41	2 2	12 1	0 44	22 31	1 2	18 12	16 30	15 21	15 0	12 49	9 7	5 35
F 6	21 47	18 47	4 20	22 5	1 27	17 48	1 36	0 48	2 35	23 29	0 4	9 39	2 2	12 0	0 44	22 31	1 2	18 12	16 30	15 18	14 59	12 50	9 6	5 34
S 7	21 37	16 42	4 48	22 16	1 17	17 25	1 36	0 55	2 35	23 29	0 4	9 37	2 2	11 59	0 44	22 31	1 2	18 11	16 29	15 14	14 58	12 52	9 5	5 34
S 8	21 27	13 41	5 1	22 26	1 7	17 2	1 36	1 2	2 36	23 29	0 4	9 34	2 1	11 58	0 44	22 31	1 1	18 10	16 29	15 10	14 57	12 53	9 4	5 34
M 9	21 16	9 54	4 57	22 36	0 57	16 38	1 35	1 8	2 37	23 28	0 4	9 32	2 1	11 57	0 44	22 31	1 1	18 10	16 29	15 6	14 56	12 55	9 3	5 34
T 10	21 5	5 33	4 35	22 45	0 48	16 14	1 35	1 15	2 38	23 28	0 4	9 30	2 1	11 56	0 44	22 31	1 1	18 9	16 29	15 3	14 55	12 56	9 2	5 34
W11	20 54	0 51	3 57	22 54	0 38	15 49	1 34	1 21	2 39	23 28	0 4	9 27	2 1	11 55	0 44	22 31	1 1	18 9	16 28	15 1	14 54	12 58	9 1	5 33
T 12	20 42	3s54	3 5	23 2	0 29	15 24	1 33	1 27	2 40	23 28	0 4	9 25	2 1	11 54	0 44	22 31	1 1	18 8	16 28	14 59	14 53	12 59	9 0	5 33
F 13	20 29	8 29	2 1	23 8	0 20	14 59	1 33	1 33	2 41	23 28	0 4	9 22	2 1	11 53	0 44	22 31	1 1	18 7	16 28	14 59	14 52	13 1	8 59	5 33
S 14	20 17	12 36	0 50	23 14	0 11	14 33	1 32	1 39	2 42	23 28	0 4	9 20	2 1	11 52	0 44	22 31	1 1	18 7	16 27	14 58	14 51	13 2	8 58	5 33
S 15	20 4	16 0	0n24	23 19	0 2	14 6	1 31	1 45	2 43	23 27	0 3	9 17	2 1	11 50	0 44	22 31	1 1	18 6	16 27	14 58	14 50	13 3	8 57	5 33
M16	19 50	18 27	1 37	23 23	0s 6	13 40	1 30	1 50	2 44	23 27	0 3	9 15	2 1	11 49	0 44	22 31	1 1	18 5	16 27	14 58	14 49	13 5	8 56	5 33
T 17	19 36	19 46	2 44	23 26	0 14	13 13	1 29	1 56	2 45	23 27	0 3	9 12	2 1	11 48	0 44	22 31	1 1	18 5	16 27	14 57	14 48	13 6	8 55	5 33
W18	19 22	19 51	3 40	23 27	0 22	12 46	1 28	2 1	2 45	23 27	0 3	9 10	2 0	11 47	0 44	22 31	1 1	18 4	16 26	14 55	14 47	13 8	8 54	5 32
T 19	19 7	18 44	4 23	23 28	0 30	12 18	1 27	2 6	2 46	23 26	0 3	9 7	2 0	11 46	0 44	22 32	1 1	18 3	16 26	14 52	14 46	13 9	8 52	5 32
F 20	18 53	16 32	4 50	23 27	0 38	11 50	1 26	2 11	2 47	23 26	0 3	9 5	2 0	11 45	0 44	22 32	1 1	18 3	16 26	14 49	14 45	13 11	8 51	5 32
S 21	18 37	13 28	5 0	23 25	0 45	11 22	1 24	2 15	2 48	23 26	0 3	9 2	2 0	11 44	0 44	22 32	1 1	18 2	16 26	14 44	14 44	13 12	8 50	5 32
S 22	18 22	9 47	4 54	23 22	0 52	10 53	1 23	2 19	2 49	23 25	0 3	8 59	2 0	11 42	0 44	22 32	1 1	18 1	16 25	14 40	14 43	13 14	8 49	5 32
M23	18 6	5 43	4 32	23 18	0 59	10 24	1 22	2 24	2 50	23 25	0 3	8 57	2 0	11 41	0 44	22 32	1 1	18 1	16 25	14 36	14 42	13 15	8 48	5 32
T 24	17 50	1 30	3 57	23 12	1 5	9 55	1 20	2 28	2 51	23 24	0 3	8 54	2 0	11 40	0 44	22 32	1 1	18 0	16 25	14 33	14 41	13 17	8 47	5 32
W25	17 33	2n41	3 12	23 5	1 12	9 26	1 18	2 31	2 52	23 24	0 2	8 52	2 0	11 39	0 44	22 32	1 1	17 59	16 25	14 30	14 40	13 18	8 45	5 32
T 26	17 16	6 41	2 19	22 57	1 17	8 56	1 17	2 35	2 53	23 24	0 2	8 49	2 0	11 38	0 44	22 32	1 1	17 59	16 24	14 29	14 39	13 19	8 44	5 31
F 27	16 59	10 22	1 20	22 47	1 23	8 26	1 15	2 38	2 54	23 23	0 2	8 46	2 0	11 36	0 44	22 32	1 1	17 58	16 24	14 28	14 38	13 21	8 43	5 31
S 28	16 42	13 36	0 18	22 36	1 28	7 56	1 13	2 41	2 54	23 23	0 2	8 43	2 0	11 35	0 44	22 32	1 1	17 57	16 24	14 28	14 37	13 22	8 42	5 31
S 29	16 24	16 17	0s44	22 23	1 33	7 26	1 11	2 44	2 55	23 22	0 2	8 41	2 0	11 34	0 44	22 32	1 1	17 57	16 24	14 28	14 36	13 24	8 40	5 31
M30	16 6	18 18	1 45	22 9	1 38	6 56	1 9	2 47	2 56	23 22	0 2	8 38	2 0	11 33	0 44	22 32	1 1	17 56	16 23	14 28	14 35	13 25	8 39	5 31
T 31	15s48	19n31	2s42	21s54	1s43	6s25	1s 7	2s49	2n57	23s21	0n 2	8s35	2s 0	11s32	0s44	22n32	1s 1	17s55	16s23	14s27	14s34	13n27	8s38	5n31

Julian Day Number = 2116623.5, Delta T = 18m39s
Ecliptic obliquity = 23°33'22, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°57'26, Lahiri = 11°04'26 Julian Calendar 1 Jan. 1083 == Greg. Calendar 7 Jan. 1083

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1083
geocentric

FEBRUARY 1083 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 6 16	18♒ 4'33	23♊14	1♒41	17♓39	14♎ 6	6♑55	13♓ 1	1♓58	28°R 1	22♓40	8°R33	8♏56	4♉32	23♒17	W 1
T 2	9 10 12	19° 4'58	5♋52	3°16	18°53	14°13	7° 7	13° 8	2° 2	28♊ 0	22°41	8♏26	8°53	4°39	23°21	T 2
F 3	9 14 9	20° 5'21	18°52	4°53	20° 6	14°19	7°19	13°15	2° 5	27°59	22°42	8°17	8°50	4°46	23°25	F 3
S 4	9 18 5	21° 5'43	2♌15	6°30	21°20	14°25	7°31	13°22	2° 8	27°58	22°44	8° 5	8°46	4°52	23°29	S 4
S 5	9 22 2	22° 6'02	15°59	8° 8	22°33	14°30	7°43	13°29	2°12	27°57	22°45	7°53	8°43	4°59	23°33	S 5
M 6	9 25 58	23° 6'20	0♍ 2	9°47	23°47	14°34	7°55	13°37	2°15	27°56	22°46	7°41	8°40	5° 5	23°37	M 6
T 7	9 29 55	24° 6'36	14°18	11°27	25° 0	14°38	8° 7	13°44	2°19	27°55	22°47	7°31	8°37	5°12	23°41	T 7
W 8	9 33 52	25° 6'50	28°42	13° 8	26°13	14°41	8°18	13°51	2°22	27°55	22°49	7°23	8°34	5°19	23°45	W 8
T 9	9 37 48	26° 7'03	13♎ 7	14°50	27°26	14°43	8°30	13°58	2°25	27°54	22°50	7°18	8°31	5°25	23°49	T 9
F 10	9 41 45	27° 7'14	27°28	16°33	28°40	14°45	8°41	14° 6	2°29	27°53	22°51	7°16	8°27	5°32	23°54	F 10
S 11	9 45 41	28° 7'24	11♏44	18°18	29°53	14°46	8°52	14°13	2°32	27°52	22°53	7°D16	8°24	5°39	23°58	S 11
S 12	9 49 38	29° 7'32	25°51	20° 3	1♈ 6	14°R46	9° 4	14°20	2°36	27°52	22°54	7°R16	8°21	5°45	24° 2	S 12
M13	9 53 34	0♓ 7'38	9♐50	21°49	2°19	14°45	9°15	14°27	2°39	27°51	22°56	7°16	8°18	5°52	24° 6	M13
T 14	9 57 31	1° 7'43	23°39	23°37	3°32	14°44	9°26	14°35	2°43	27°51	22°57	7°14	8°15	5°59	24°10	T 14
W15	10 1 27	2° 7'46	7♑18	25°25	4°45	14°42	9°37	14°42	2°46	27°50	22°58	7° 9	8°12	6° 5	24°14	W15
T 16	10 5 24	3° 7'48	20°48	27°15	5°57	14°39	9°48	14°50	2°49	27°50	23° 0	7° 2	8° 8	6°12	24°18	T 16
F 17	10 9 20	4° 7'48	4♒ 7	29° 5	7°10	14°35	9°59	14°57	2°53	27°49	23° 1	6°52	8° 5	6°19	24°22	F 17
S 18	10 13 17	5° 7'46	17°14	0♓57	8°23	14°31	10° 9	15° 4	2°56	27°49	23° 3	6°41	8° 2	6°25	24°26	S 18
S 19	10 17 14	6° 7'42	0♓ 8	2°50	9°35	14°26	10°20	15°12	3° 0	27°48	23° 4	6°30	7°59	6°32	24°30	S 19
M20	10 21 10	7° 7'36	12°47	4°44	10°48	14°20	10°31	15°19	3° 3	27°48	23° 5	6°20	7°56	6°39	24°34	M20
T 21	10 25 7	8° 7'28	25°13	6°39	12° 0	14°13	10°41	15°27	3° 7	27°47	23° 7	6°11	7°52	6°45	24°38	T 21
W22	10 29 3	9° 7'18	7♈26	8°35	13°13	14° 5	10°51	15°34	3°10	27°47	23° 8	6° 4	7°49	6°52	24°42	W22
T 23	10 33 0	10° 7'05	19°27	10°32	14°25	13°57	11° 2	15°42	3°14	27°47	23°10	6° 0	7°46	6°58	24°46	T 23
F 24	10 36 56	11° 6'51	1♉19	12°30	15°37	13°48	11°12	15°49	3°17	27°47	23°11	5°D59	7°43	7° 5	24°50	F 24
S 25	10 40 53	12° 6'34	13° 7	14°28	16°49	13°38	11°22	15°57	3°20	27°46	23°13	5°59	7°40	7°12	24°54	S 25
S 26	10 44 49	13° 6'15	24°54	16°28	18° 1	13°27	11°32	16° 4	3°24	27°46	23°14	6° 0	7°37	7°18	24°58	S 26
M27	10 48 46	14° 5'54	6♊46	18°28	19°13	13°16	11°41	16°12	3°27	27°46	23°16	6° 1	7°33	7°25	25° 2	M27
T 28	10 52 43	15♓ 5'31	18♊48	20♓28	20♈25	13♎ 4	11♑51	16♓19	3♓31	27♊46	23♓17	6°R 1	7♏30	7♉32	25♒ 6	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	15s29	19n50	3s33	21s37	1s47	5s54	1s 5	2s51	2n58	23s21	0n 2	8s33	2s 0	11s30	0s44	22n32	1s 1	17s55	16s23	14s25	14s33	13n28	8s37	5n31
T 2	15 10	19 11	4 15	21 18	1 50	5 23	1 3	2 53	2 59	23 20	0 2	8 30	2 0	11 29	0 44	22 32	1 1	17 54	16 23	14 23	14 32	13 29	8 35	5 31
F 3	14 51	17 32	4 44	20 59	1 54	4 52	1 1	2 55	3 0	23 20	0 2	8 27	2 0	11 28	0 44	22 32	1 1	17 53	16 23	14 20	14 31	13 31	8 34	5 31
S 4	14 32	14 53	5 0	20 37	1 57	4 21	0 59	2 56	3 0	23 19	0 1	8 24	1 59	11 27	0 44	22 32	1 1	17 53	16 22	14 16	14 30	13 32	8 33	5 31
S 5	14 13	11 22	4 58	20 15	1 59	3 50	0 57	2 58	3 1	23 18	0 1	8 21	1 59	11 25	0 44	22 32	1 1	17 52	16 22	14 12	14 29	13 34	8 32	5 31
M 6	13 53	7 9	4 39	19 50	2 2	3 19	0 54	2 59	3 2	23 18	0 1	8 19	1 59	11 24	0 44	22 32	1 1	17 51	16 22	14 8	14 28	13 35	8 30	5 31
T 7	13 33	2 29	4 2	19 25	2 4	2 47	0 52	2 59	3 3	23 17	0 1	8 16	1 59	11 23	0 44	22 32	1 0	17 51	16 22	14 5	14 27	13 37	8 29	5 31
W 8	13 13	2s22	3 10	18 57	2 5	2 16	0 49	3 0	3 3	23 17	0 1	8 13	1 59	11 22	0 44	22 32	1 0	17 50	16 22	14 3	14 26	13 38	8 28	5 31
T 9	12 52	7 7	2 5	18 28	2 6	1 44	0 47	3 0	3 4	23 16	0 1	8 10	1 59	11 21	0 44	22 32	1 0	17 49	16 22	14 1	14 25	13 39	8 26	5 31
F 10	12 32	11 26	0 52	17 58	2 7	1 13	0 44	3 0	3 5	23 15	0 1	8 7	1 59	11 19	0 44	22 32	1 0	17 49	16 21	14 0	14 24	13 41	8 25	5 31
S 11	12 11	15 3	0n24	17 26	2 7	0 41	0 41	3 0	3 5	23 15	0 1	8 4	1 59	11 18	0 44	22 32	1 0	17 48	16 21	14 0	14 22	13 42	8 24	5 31
S 12	11 50	17 44	1 37	16 53	2 7	0 9	0 39	2 59	3 6	23 14	0 1	8 2	1 59	11 17	0 44	22 32	1 0	17 47	16 21	14 0	14 21	13 43	8 22	5 31
M13	11 29	19 20	2 44	16 18	2 6	0n22	0 36	2 58	3 7	23 13	0 1	7 59	1 59	11 16	0 44	22 32	1 0	17 47	16 21	14 0	14 20	13 45	8 21	5 31
T 14	11 8	19 44	3 41	15 41	2 5	0 54	0 33	2 57	3 7	23 13	0 0	7 56	1 59	11 14	0 44	22 32	1 0	17 46	16 21	14 0	14 19	13 46	8 20	5 31
W15	10 46	18 58	4 24	15 3	2 4	1 26	0 30	2 56	3 8	23 12	0 0	7 53	1 59	11 13	0 44	22 32	1 0	17 45	16 21	13 58	14 18	13 48	8 18	5 31
T 16	10 24	17 8	4 52	14 23	2 1	1 57	0 27	2 54	3 8	23 11	0 0	7 50	1 59	11 12	0 44	22 32	1 0	17 45	16 21	13 56	14 17	13 49	8 17	5 31
F 17	10 3	14 24	5 3	13 42	1 59	2 29	0 24	2 52	3 9	23 11	0 0	7 47	1 59	11 11	0 44	22 32	1 0	17 44	16 21	13 53	14 16	13 50	8 16	5 31
S 18	9 41	11 0	4 59	12 59	1 56	3 1	0 21	2 50	3 9	23 10	0s 0	7 44	1 59	11 9	0 44	22 32	1 0	17 43	16 20	13 49	14 15	13 52	8 14	5 31
S 19	9 18	7 8	4 39	12 15	1 52	3 32	0 18	2 48	3 10	23 9	0 0	7 41	1 59	11 8	0 44	22 32	1 0	17 43	16 20	13 45	14 14	13 53	8 13	5 31
M20	8 56	3 1	4 5	11 30	1 48	4 4	0 15	2 45	3 10	23 8	0 0	7 39	1 59	11 7	0 44	22 32	1 0	17 42	16 20	13 42	14 13	13 54	8 12	5 31
T 21	8 34	1n 9	3 20	10 43	1 43	4 35	0 12	2 42	3 11	23 8	0 0	7 36	1 59	11 6	0 44	22 32	1 0	17 41	16 20	13 39	14 12	13 56	8 10	5 31
W22	8 11	5 13	2 27	9 54	1 38	5 6	0 9	2 39	3 11	23 7	0 0	7 33	1 59	11 4	0 44	22 32	1 0	17 41	16 20	13 37	14 11	13 57	8 9	5 31
T 23	7 49	9 0	1 28	9 4	1 32	5 37	0 6	2 36	3 11	23 6	0 1	7 30	1 59	11 3	0 44	22 32	1 0	17 40	16 20	13 35	14 10	13 59	8 8	5 31
F 24	7 26	12 23	0 25	8 13	1 26	6 8	0 3	2 32	3 11	23 6	0 1	7 27	1 59	11 2	0 44	22 32	1 0	17 39	16 20	13 35	14 9	14 0	8 6	5 31
S 25	7 3	15 14	0s38	7 21	1 19	6 39	0n 1	2 28	3 11	23 5	0 1	7 24	1 59	11 1	0 44	22 33	1 0	17 39	16 20	13 35	14 8	14 1	8 5	5 31
S 26	6 40	17 28	1 40	6 28	1 11	7 10	0 4	2 24	3 12	23 4	0 1	7 21	1 59	10 59	0 44	22 33	1 0	17 38	16 20	13 35	14 7	14 3	8 4	5 31
M27	6 17	18 57	2 38	5 33	1 3	7 40	0 7	2 19	3 12	23 3	0 1	7 18	1 59	10 58	0 44	22 33	1 0	17 37	16 20	13 35	14 6	14 4	8 2	5 31
T 28	5s54	19n35	3s30	4s38	0s55	8n11	0n11	2s15	3n12	23s 3	0s 1	7s15	1s59	10s57	0s44	22n33	1s 0	17s37	16s20	13s36	14s 5	14n 5	8s 1	5n31

Julian Day Number = 2116654.5, Delta T = 18m39s
Ecliptic obliquity = 23°33'22, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°57'30, Lahiri = 11°04'30 Julian Calendar 1 Feb. 1083 == Greg. Calendar 7 Feb. 1083

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1083
geocentric

MARCH 1083 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 56 39	16♓ 5'05	1♋ 5	22♓28	21♈37	12°R51	12♑ 1	16♓27	3♓34	27°R46	23♓19	6°R 0	7♏27	7♉38	25♒10	W 1
T 2	11 0 36	17° 4'37	13°43	24°28	22°49	12♎38	12°10	16°34	3°37	27♊46	23°20	5♏56	7°24	7°45	25°14	T 2
F 3	11 4 32	18° 4'06	26°44	26°29	24° 0	12°23	12°19	16°42	3°41	27°D46	23°21	5°51	7°21	7°52	25°18	F 3
S 4	11 8 29	19° 3'33	10♌12	28°28	25°12	12° 8	12°29	16°49	3°44	27°46	23°23	5°45	7°17	7°58	25°22	S 4
S 5	11 12 25	20° 2'58	24° 5	0♈27	26°23	11°53	12°38	16°57	3°47	27°46	23°24	5°37	7°14	8° 5	25°25	S 5
M 6	11 16 22	21° 2'21	8♍22	2°24	27°35	11°36	12°47	17° 4	3°51	27°46	23°26	5°30	7°11	8°12	25°29	M 6
T 7	11 20 18	22° 1'41	22°58	4°20	28°46	11°19	12°55	17°12	3°54	27°46	23°27	5°23	7° 8	8°18	25°33	T 7
W 8	11 24 15	23° 0'59	7♎45	6°13	29°57	11° 2	13° 4	17°19	3°57	27°46	23°29	5°19	7° 5	8°25	25°37	W 8
T 9	11 28 12	24° 0'16	22°36	8° 5	1♉ 8	10°44	13°13	17°27	4° 1	27°46	23°30	5°16	7° 2	8°31	25°40	T 9
F 10	11 32 8	24°59'30	7♏22	9°53	2°19	10°25	13°21	17°34	4° 4	27°46	23°32	5°D16	6°58	8°38	25°44	F 10
S 11	11 36 5	25°58'43	21°59	11°38	3°30	10° 6	13°30	17°42	4° 7	27°47	23°33	5°17	6°55	8°45	25°48	S 11
S 12	11 40 1	26°57'54	6♐22	13°20	4°41	9°46	13°38	17°49	4°10	27°47	23°35	5°18	6°52	8°51	25°52	S 12
M13	11 43 58	27°57'03	20°27	14°57	5°51	9°26	13°46	17°56	4°14	27°47	23°36	5°19	6°49	8°58	25°55	M13
T 14	11 47 54	28°56'10	4♑16	16°30	7° 2	9° 5	13°54	18° 4	4°17	27°48	23°38	5°R19	6°46	9° 5	25°59	T 14
W15	11 51 51	29°55'15	17°47	17°59	8°12	8°44	14° 2	18°11	4°20	27°48	23°39	5°18	6°43	9°11	26° 2	W15
T 16	11 55 47	0♈54'19	1♒ 2	19°22	9°23	8°22	14° 9	18°19	4°23	27°48	23°41	5°15	6°39	9°18	26° 6	T 16
F 17	11 59 44	1°53'21	14° 1	20°40	10°33	8° 0	14°17	18°26	4°26	27°49	23°42	5°10	6°36	9°25	26° 9	F 17
S 18	12 3 40	2°52'21	26°47	21°53	11°43	7°38	14°24	18°33	4°30	27°49	23°44	5° 5	6°33	9°31	26°13	S 18
S 19	12 7 37	3°51'19	9♓21	23° 0	12°53	7°16	14°31	18°41	4°33	27°50	23°45	5° 0	6°30	9°38	26°16	S 19
M20	12 11 34	4°50'15	21°42	24° 1	14° 3	6°53	14°38	18°48	4°36	27°50	23°47	4°54	6°27	9°45	26°20	M20
T 21	12 15 30	5°49'09	3♈54	24°56	15°13	6°31	14°45	18°55	4°39	27°51	23°48	4°50	6°23	9°51	26°23	T 21
W22	12 19 27	6°48'01	15°55	25°44	16°23	6° 8	14°52	19° 3	4°42	27°52	23°50	4°47	6°20	9°58	26°26	W22
T 23	12 23 23	7°46'50	27°50	26°27	17°32	5°45	14°59	19°10	4°45	27°52	23°51	4°46	6°17	10° 4	26°30	T 23
F 24	12 27 20	8°45'38	9♉39	27° 3	18°42	5°22	15° 5	19°17	4°48	27°53	23°52	4°D46	6°14	10°11	26°33	F 24
S 25	12 31 16	9°44'24	21°26	27°32	19°51	4°59	15°12	19°24	4°51	27°54	23°54	4°47	6°11	10°18	26°36	S 25
S 26	12 35 13	10°43'07	3♊13	27°55	21° 0	4°36	15°18	19°32	4°54	27°54	23°55	4°48	6° 8	10°24	26°40	S 26
M27	12 39 9	11°41'49	15° 6	28°12	22° 9	4°13	15°24	19°39	4°57	27°55	23°57	4°50	6° 4	10°31	26°43	M27
T 28	12 43 6	12°40'28	27° 8	28°22	23°18	3°51	15°30	19°46	5° 0	27°56	23°58	4°51	6° 1	10°38	26°46	T 28
W29	12 47 3	13°39'04	9♋24	28°R26	24°27	3°28	15°35	19°53	5° 3	27°57	24° 0	4°R52	5°58	10°44	26°49	W29
T 30	12 50 59	14°37'39	21°58	28°24	25°35	3° 6	15°41	20° 0	5° 5	27°58	24° 1	4°52	5°55	10°51	26°52	T 30
F 31	12 54 56	15♈36'11	4♌55	28♈17	26♉44	2♎44	15♑46	20♓ 7	5♓ 8	27♊59	24♓ 2	4♏51	5♏52	10♉58	26♒55	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s31	19n20	4s14	3s42	0s45	8n41	0n14	2s10	3n11	23s 2	0s 1	7s12	1s59	10s56	0s44	22n33	1s 0	17s36	16s20	13s35	14s 4	14n 7	8s 0	5n31
T 2	5 8	18 6	4 46	2 45	0 36	9 11	0 17	2 5	3 11	23 1	0 1	7 10	2 0	10 54	0 44	22 33	1 0	17 35	16 20	13 34	14 3	14 8	7 58	5 31
F 3	4 44	15 55	5 5	1 48	0 25	9 41	0 21	1 59	3 11	23 0	0 1	7 7	2 0	10 53	0 44	22 33	0 59	17 35	16 20	13 32	14 2	14 9	7 57	5 31
S 4	4 21	12 50	5 8	0 50	0 15	10 10	0 24	1 54	3 11	23 0	0 2	7 4	2 0	10 52	0 44	22 33	0 59	17 34	16 20	13 30	14 1	14 11	7 55	5 31
S 5	3 58	8 57	4 53	0n 7	0 4	10 40	0 28	1 48	3 11	22 59	0 2	7 1	2 0	10 51	0 44	22 33	0 59	17 34	16 20	13 28	14 0	14 12	7 54	5 32
M 6	3 34	4 27	4 20	1 5	0n 8	11 9	0 31	1 42	3 10	22 58	0 2	6 58	2 0	10 50	0 44	22 33	0 59	17 33	16 20	13 25	13 59	14 13	7 53	5 32
T 7	3 11	0s24	3 29	2 1	0 19	11 38	0 35	1 36	3 10	22 57	0 2	6 55	2 0	10 48	0 44	22 33	0 59	17 32	16 20	13 23	13 58	14 15	7 51	5 32
W 8	2 47	5 17	2 24	2 58	0 31	12 6	0 38	1 29	3 9	22 57	0 2	6 52	2 0	10 47	0 44	22 33	0 59	17 32	16 20	13 21	13 57	14 16	7 50	5 32
T 9	2 24	9 53	1 8	3 53	0 43	12 34	0 42	1 23	3 8	22 56	0 2	6 49	2 0	10 46	0 44	22 33	0 59	17 31	16 20	13 21	13 56	14 17	7 49	5 32
F 10	2 0	13 52	0n12	4 47	0 56	13 2	0 45	1 16	3 8	22 55	0 2	6 46	2 0	10 45	0 44	22 33	0 59	17 31	16 20	13 20	13 54	14 18	7 47	5 32
S 11	1 36	16 54	1 30	5 40	1 8	13 30	0 49	1 9	3 7	22 55	0 2	6 44	2 0	10 44	0 44	22 33	0 59	17 30	16 20	13 21	13 53	14 20	7 46	5 32
S 12	1 13	18 50	2 41	6 31	1 20	13 58	0 52	1 2	3 6	22 54	0 3	6 41	2 0	10 42	0 44	22 33	0 59	17 30	16 20	13 21	13 52	14 21	7 45	5 32
M13	0 49	19 32	3 42	7 20	1 32	14 25	0 56	0 55	3 5	22 53	0 3	6 38	2 0	10 41	0 44	22 33	0 59	17 29	16 20	13 21	13 51	14 22	7 43	5 32
T 14	0 25	19 2	4 28	8 6	1 43	14 51	0 59	0 48	3 4	22 52	0 3	6 35	2 0	10 40	0 44	22 33	0 59	17 28	16 20	13 22	13 50	14 24	7 42	5 33
W15	0 2	17 27	4 58	8 51	1 54	15 18	1 3	0 41	3 3	22 52	0 3	6 32	2 0	10 39	0 44	22 33	0 59	17 28	16 20	13 21	13 49	14 25	7 41	5 33
T 16	0n22	14 58	5 11	9 33	2 5	15 44	1 6	0 33	3 2	22 51	0 3	6 29	2 0	10 38	0 44	22 33	0 59	17 27	16 20	13 20	13 48	14 26	7 39	5 33
F 17	0 45	11 47	5 8	10 12	2 15	16 10	1 10	0 26	3 1	22 50	0 3	6 26	2 0	10 37	0 44	22 33	0 59	17 27	16 20	13 19	13 47	14 28	7 38	5 33
S 18	1 9	8 6	4 50	10 48	2 25	16 35	1 13	0 18	2 59	22 50	0 3	6 24	2 0	10 36	0 44	22 33	0 59	17 26	16 20	13 17	13 46	14 29	7 37	5 33
S 19	1 32	4 7	4 18	11 21	2 33	17 0	1 16	0 11	2 58	22 49	0 3	6 21	2 1	10 34	0 44	22 34	0 59	17 26	16 20	13 15	13 45	14 30	7 36	5 33
M20	1 56	0 1	3 34	11 51	2 41	17 24	1 20	0 3	2 56	22 48	0 4	6 18	2 1	10 33	0 44	22 34	0 59	17 25	16 20	13 13	13 44	14 31	7 34	5 33
T 21	2 19	4n 1	2 41	12 18	2 48	17 48	1 23	0n 4	2 55	22 48	0 4	6 15	2 1	10 32	0 44	22 34	0 59	17 25	16 20	13 12	13 43	14 33	7 33	5 34
W22	2 43	7 51	1 42	12 42	2 54	18 12	1 27	0 12	2 53	22 47	0 4	6 12	2 1	10 31	0 44	22 34	0 59	17 24	16 20	13 11	13 42	14 34	7 32	5 34
T 23	3 6	11 21	0 38	13 2	3 0	18 35	1 30	0 19	2 51	22 46	0 4	6 10	2 1	10 30	0 44	22 34	0 59	17 24	16 20	13 10	13 41	14 35	7 30	5 34
F 24	3 29	14 21	0s27	13 19	3 4	18 58	1 33	0 27	2 49	22 46	0 4	6 7	2 1	10 29	0 44	22 34	0 59	17 23	16 20	13 10	13 40	14 36	7 29	5 34
S 25	3 53	16 45	1 31	13 32	3 6	19 20	1 37	0 34	2 47	22 45	0 4	6 4	2 1	10 28	0 44	22 34	0 59	17 23	16 20	13 11	13 39	14 38	7 28	5 34
S 26	4 16	18 26	2 31	13 42	3 8	19 42	1 40	0 42	2 45	22 45	0 4	6 1	2 1	10 27	0 44	22 34	0 58	17 22	16 21	13 11	13 38	14 39	7 27	5 35
M27	4 39	19 20	3 25	13 49	3 8	20 3	1 43	0 49	2 43	22 44	0 4	5 59	2 1	10 26	0 44	22 34	0 58	17 22	16 21	13 12	13 37	14 40	7 25	5 35
T 28	5 2	19 21	4 10	13 52	3 7	20 24	1 47	0 56	2 41	22 44	0 5	5 56	2 1	10 25	0 44	22 34	0 58	17 21	16 21	13 12	13 36	14 41	7 24	5 35
W29	5 25	18 28	4 46	13 51	3 5	20 45	1 50	1 3	2 39	22 43	0 5	5 53	2 2	10 24	0 44	22 34	0 58	17 21	16 21	13 12	13 35	14 43	7 23	5 35
T 30	5 48	16 41	5 8	13 47	3 1	21 5	1 53	1 9	2 37	22 43	0 5	5 51	2 2	10 23	0 44	22 34	0 58	17 20	16 21	13 12	13 33	14 44	7 22	5 35
F 31	6n10	14n 1	5s16	13n39	2n56	21n24	1n56	1n16	2n35	22s42	0s 5	5s48	2s 2	10s22	0s44	22n34	0s58	17s20	16s21	13s12	13s32	14n45	7s20	5n36

Julian Day Number = 2116682.5, Delta T = 18m38s
Ecliptic obliquity = 23°33'22, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°57'34, Lahiri = 11°04'34 Julian Calendar 1 March 1083 == Greg. Calendar 7 March 1083

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1083
geocentric

APRIL 1083 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 58 52	16♈34'41	18♌18	28°R 3	27♉52	2°R23	15♑51	20♓14	5♓11	27♊59	24♓ 4	4°R49	5♏48	11♉ 4	26♒58	S 1
S 2	13 2 49	17°33'09	2♍ 9	27♈45	29° 0	2♎ 2	15°57	20°21	5°14	28° 0	24° 5	4♏47	5°45	11°11	27° 1	S 2
M 3	13 6 45	18°31'35	16°26	27°22	0♊ 8	1°41	16° 1	20°28	5°17	28° 1	24° 7	4°45	5°42	11°18	27° 4	M 3
T 4	13 10 42	19°29'58	1♎ 7	26°54	1°16	1°21	16° 6	20°35	5°19	28° 2	24° 8	4°43	5°39	11°24	27° 7	T 4
W 5	13 14 38	20°28'20	16° 5	26°23	2°24	1° 1	16°11	20°42	5°22	28° 3	24° 9	4°42	5°36	11°31	27° 9	W 5
T 6	13 18 35	21°26'39	1♏11	25°49	3°31	0°42	16°15	20°49	5°25	28° 5	24°11	4°D41	5°33	11°37	27°12	T 6
F 7	13 22 32	22°24'57	16°18	25°12	4°38	0°23	16°19	20°55	5°27	28° 6	24°12	4°41	5°29	11°44	27°15	F 7
S 8	13 26 28	23°23'14	1♐16	24°34	5°45	0° 5	16°23	21° 2	5°30	28° 7	24°13	4°42	5°26	11°51	27°18	S 8
S 9	13 30 25	24°21'28	15°58	23°54	6°52	29♍47	16°27	21° 9	5°32	28° 8	24°15	4°43	5°23	11°57	27°20	S 9
M10	13 34 21	25°19'41	0♑19	23°15	7°59	29°30	16°31	21°15	5°35	28° 9	24°16	4°44	5°20	12° 4	27°23	M10
T 11	13 38 18	26°17'53	14°17	22°35	9° 6	29°14	16°34	21°22	5°37	28°10	24°17	4°44	5°17	12°11	27°25	T 11
W12	13 42 14	27°16'03	27°50	21°57	10°12	28°59	16°38	21°29	5°40	28°12	24°18	4°R44	5°14	12°17	27°28	W12
T 13	13 46 11	28°14'12	11♒ 1	21°21	11°18	28°44	16°41	21°35	5°42	28°13	24°20	4°44	5°10	12°24	27°30	T 13
F 14	13 50 7	29°12'19	23°52	20°47	12°24	28°29	16°44	21°42	5°44	28°14	24°21	4°44	5° 7	12°31	27°33	F 14
S 15	13 54 4	0♉10'24	6♓26	20°16	13°30	28°16	16°47	21°48	5°47	28°16	24°22	4°43	5° 4	12°37	27°35	S 15
S 16	13 58 0	1° 8'28	18°45	19°48	14°36	28° 3	16°49	21°55	5°49	28°17	24°24	4°43	5° 1	12°44	27°38	S 16
M17	14 1 57	2° 6'31	0♈53	19°24	15°41	27°51	16°52	22° 1	5°51	28°18	24°25	4°42	4°58	12°51	27°40	M17
T 18	14 5 54	3° 4'32	12°52	19° 4	16°46	27°40	16°54	22° 7	5°54	28°20	24°26	4°42	4°54	12°57	27°42	T 18
W19	14 9 50	4° 2'31	24°45	18°48	17°51	27°30	16°56	22°14	5°56	28°21	24°27	4°42	4°51	13° 4	27°44	W19
T 20	14 13 47	5° 0'29	6♉34	18°36	18°56	27°20	16°58	22°20	5°58	28°23	24°28	4°42	4°48	13°11	27°46	T 20
F 21	14 17 43	5°58'26	18°21	18°30	20° 0	27°11	17° 0	22°26	6° 0	28°24	24°29	4°42	4°45	13°17	27°48	F 21
S 22	14 21 40	6°56'20	0♊ 8	18°D27	21° 5	27° 3	17° 1	22°32	6° 2	28°26	24°31	4°42	4°42	13°24	27°50	S 22
S 23	14 25 36	7°54'13	11°59	18°30	22° 9	26°56	17° 2	22°38	6° 4	28°27	24°32	4°42	4°39	13°30	27°52	S 23
M24	14 29 33	8°52'05	23°56	18°37	23°12	26°50	17° 4	22°44	6° 6	28°29	24°33	4°41	4°35	13°37	27°54	M24
T 25	14 33 29	9°49'55	6♋ 2	18°49	24°16	26°44	17° 4	22°50	6° 8	28°30	24°34	4°41	4°32	13°44	27°56	T 25
W26	14 37 26	10°47'43	18°20	19° 5	25°19	26°39	17° 5	22°56	6°10	28°32	24°35	4°40	4°29	13°50	27°58	W26
T 27	14 41 23	11°45'29	0♌54	19°25	26°22	26°35	17° 6	23° 2	6°12	28°34	24°36	4°40	4°26	13°57	28° 0	T 27
F 28	14 45 19	12°43'14	13°47	19°50	27°25	26°32	17° 6	23° 7	6°14	28°35	24°37	4°D39	4°23	14° 4	28° 1	F 28
S 29	14 49 16	13°40'56	27° 4	20°20	28°27	26°30	17°R 6	23°13	6°16	28°37	24°38	4°40	4°20	14°10	28° 3	S 29
S 30	14 53 12	14♉38'38	10♍45	20♈53	29♊29	26♍28	17♑ 6	23♓19	6♓17	28♊39	24♓39	4♏40	4♏16	14♉17	28♒ 5	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n33	10n32	5s 8	13n28	2n49	21n43	1n59	1n22	2n32	22s42	0s 5	5s45	2s 2	10s21	0s44	22n34	0s58	17s19	16s21	13s11	13s31	14n46	7s19	5n36
S 2	6 55	6 23	4 41	13 14	2 41	22 1	2 2	1 29	2 30	22 41	0 5	5 43	2 2	10 20	0 44	22 34	0 58	17 19	16 21	13 11	13 30	14 48	7 18	5 36
M 3	7 18	1 45	3 57	12 57	2 32	22 19	2 5	1 35	2 27	22 41	0 5	5 40	2 2	10 19	0 44	22 34	0 58	17 19	16 22	13 10	13 29	14 49	7 17	5 36
T 4	7 40	3s 8	2 56	12 37	2 21	22 36	2 8	1 40	2 25	22 40	0 6	5 37	2 2	10 18	0 44	22 34	0 58	17 18	16 22	13 9	13 28	14 50	7 16	5 36
W 5	8 2	7 55	1 41	12 14	2 9	22 53	2 11	1 46	2 22	22 40	0 6	5 35	2 2	10 17	0 44	22 34	0 58	17 18	16 22	13 9	13 27	14 51	7 15	5 37
T 6	8 24	12 15	0 19	11 50	1 56	23 9	2 14	1 51	2 20	22 39	0 6	5 32	2 3	10 16	0 44	22 34	0 58	17 17	16 22	13 9	13 26	14 52	7 13	5 37
F 7	8 46	15 46	1n 4	11 23	1 42	23 24	2 16	1 56	2 17	22 39	0 6	5 30	2 3	10 15	0 44	22 35	0 58	17 17	16 22	13 9	13 25	14 54	7 12	5 37
S 8	9 8	18 12	2 22	10 55	1 27	23 39	2 19	2 1	2 14	22 39	0 6	5 27	2 3	10 14	0 45	22 35	0 58	17 17	16 22	13 9	13 24	14 55	7 11	5 37
S 9	9 29	19 20	3 30	10 25	1 11	23 53	2 22	2 6	2 12	22 38	0 6	5 24	2 3	10 13	0 45	22 35	0 58	17 16	16 23	13 9	13 23	14 56	7 10	5 38
M10	9 51	19 11	4 22	9 55	0 55	24 7	2 24	2 10	2 9	22 38	0 6	5 22	2 3	10 12	0 45	22 35	0 58	17 16	16 23	13 10	13 22	14 57	7 9	5 38
T 11	10 12	17 51	4 58	9 25	0 38	24 20	2 27	2 14	2 6	22 38	0 7	5 19	2 3	10 11	0 45	22 35	0 58	17 16	16 23	13 10	13 21	14 59	7 8	5 38
W12	10 33	15 32	5 15	8 55	0 21	24 33	2 29	2 18	2 4	22 38	0 7	5 17	2 3	10 10	0 45	22 35	0 58	17 15	16 23	13 10	13 20	15 0	7 7	5 38
T 13	10 54	12 29	5 16	8 26	0 4	24 44	2 31	2 21	2 1	22 37	0 7	5 15	2 4	10 9	0 45	22 35	0 58	17 15	16 23	13 10	13 19	15 1	7 6	5 39
F 14	11 15	8 54	5 0	7 57	0s13	24 56	2 33	2 24	1 58	22 37	0 7	5 12	2 4	10 9	0 45	22 35	0 58	17 15	16 24	13 10	13 18	15 2	7 5	5 39
S 15	11 35	5 0	4 31	7 30	0 30	25 6	2 36	2 27	1 55	22 37	0 7	5 10	2 4	10 8	0 45	22 35	0 58	17 14	16 24	13 9	13 16	15 3	7 4	5 39
S 16	11 56	0 58	3 49	7 4	0 46	25 16	2 38	2 30	1 52	22 37	0 7	5 7	2 4	10 7	0 45	22 35	0 58	17 14	16 24	13 9	13 15	15 5	7 3	5 39
M17	12 16	3n 4	2 57	6 40	1 2	25 26	2 40	2 32	1 50	22 37	0 7	5 5	2 4	10 6	0 45	22 35	0 58	17 14	16 24	13 9	13 14	15 6	7 2	5 40
T 18	12 36	6 55	1 59	6 18	1 17	25 34	2 42	2 34	1 47	22 36	0 8	5 3	2 4	10 5	0 45	22 35	0 58	17 13	16 24	13 9	13 13	15 7	7 1	5 40
W19	12 56	10 29	0 55	5 59	1 32	25 43	2 43	2 36	1 44	22 36	0 8	5 0	2 4	10 5	0 45	22 35	0 58	17 13	16 25	13 9	13 12	15 8	7 0	5 40
T 20	13 15	13 37	0s10	5 42	1 46	25 50	2 45	2 37	1 41	22 36	0 8	4 58	2 5	10 4	0 45	22 35	0 57	17 13	16 25	13 9	13 11	15 9	6 59	5 40
F 21	13 35	16 10	1 15	5 27	1 59	25 57	2 47	2 38	1 39	22 36	0 8	4 56	2 5	10 3	0 45	22 35	0 57	17 13	16 25	13 9	13 10	15 10	6 58	5 41
S 22	13 54	18 3	2 17	5 15	2 11	26 3	2 48	2 38	1 36	22 36	0 8	4 53	2 5	10 2	0 45	22 35	0 57	17 12	16 25	13 9	13 9	15 12	6 57	5 41
S 23	14 13	19 9	3 13	5 6	2 22	26 9	2 50	2 39	1 33	22 36	0 8	4 51	2 5	10 2	0 45	22 35	0 57	17 12	16 26	13 9	13 8	15 13	6 56	5 41
M24	14 31	19 24	4 1	4 59	2 32	26 13	2 51	2 39	1 30	22 36	0 8	4 49	2 5	10 1	0 45	22 35	0 57	17 12	16 26	13 9	13 7	15 14	6 55	5 42
T 25	14 50	18 46	4 39	4 55	2 42	26 18	2 52	2 39	1 27	22 36	0 9	4 47	2 6	10 0	0 45	22 36	0 57	17 12	16 26	13 9	13 6	15 15	6 54	5 42
W26	15 8	17 16	5 5	4 53	2 50	26 21	2 53	2 38	1 25	22 36	0 9	4 45	2 6	9 59	0 45	22 36	0 57	17 12	16 26	13 8	13 5	15 16	6 53	5 42
T 27	15 26	14 54	5 17	4 54	2 57	26 24	2 54	2 37	1 22	22 36	0 9	4 42	2 6	9 59	0 45	22 36	0 57	17 11	16 27	13 8	13 4	15 17	6 52	5 42
F 28	15 44	11 45	5 14	4 58	3 4	26 27	2 55	2 36	1 19	22 36	0 9	4 40	2 6	9 58	0 45	22 36	0 57	17 11	16 27	13 8	13 3	15 18	6 51	5 43
S 29	16 1	7 57	4 54	5 3	3 9	26 28	2 56	2 34	1 17	22 37	0 9	4 38	2 6	9 57	0 45	22 36	0 57	17 11	16 27	13 8	13 1	15 20	6 51	5 43
S 30	16n19	3n36	4s17	5n12	3s14	26n30	2n56	2n33	1n14	22s37	0s 9	4s36	2s 7	9s57	0s45	22n36	0s57	17s11	16s27	13s 8	13s 0	15n21	6s50	5n43

Julian Day Number = 2116713.5, Delta T = 18m38s
Ecliptic obliquity = 23°33'22, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°57'38, Lahiri = 11°04'38 Julian Calendar 1 Apr. 1083 == Greg. Calendar 7 Apr. 1083

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1083
geocentric

MAY 1083 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 57 9	15♉36'17	24♍53	21♈30	0♋31	26°D28	17°R 6	23♓24	6♓19	28♊40	24♓40	4♏41	4♏13	14♉24	28♒ 6	M 1
T 2	15 1 5	16°33'55	9♎25	22°11	1°32	26♍28	17♑ 6	23°30	6°21	28°42	24°41	4°42	4°10	14°30	28° 8	T 2
W 3	15 5 2	17°31'31	24°18	22°56	2°33	26°28	17° 5	23°35	6°22	28°44	24°42	4°43	4° 7	14°37	28° 9	W 3
T 4	15 8 58	18°29'06	9♏25	23°44	3°34	26°30	17° 4	23°41	6°24	28°46	24°43	4°R43	4° 4	14°44	28°10	T 4
F 5	15 12 55	19°26'40	24°38	24°36	4°34	26°32	17° 3	23°46	6°25	28°47	24°44	4°42	4° 0	14°50	28°12	F 5
S 6	15 16 52	20°24'13	9♐47	25°32	5°34	26°35	17° 2	23°51	6°27	28°49	24°45	4°41	3°57	14°57	28°13	S 6
S 7	15 20 48	21°21'44	24°43	26°30	6°34	26°39	17° 1	23°56	6°28	28°51	24°46	4°39	3°54	15° 4	28°14	S 7
M 8	15 24 45	22°19'15	9♑18	27°32	7°33	26°44	16°59	24° 1	6°30	28°53	24°47	4°37	3°51	15°10	28°15	M 8
T 9	15 28 41	23°16'45	23°27	28°37	8°32	26°49	16°58	24° 7	6°31	28°55	24°48	4°35	3°48	15°17	28°16	T 9
W10	15 32 38	24°14'13	7♒ 9	29°45	9°30	26°55	16°56	24°11	6°32	28°57	24°49	4°33	3°45	15°23	28°17	W10
T 11	15 36 34	25°11'41	20°24	0♉56	10°28	27° 2	16°54	24°16	6°34	28°59	24°50	4°D32	3°41	15°30	28°18	T 11
F 12	15 40 31	26° 9'09	3♓15	2°10	11°26	27° 9	16°52	24°21	6°35	29° 0	24°50	4°32	3°38	15°37	28°19	F 12
S 13	15 44 27	27° 6'35	15°44	3°27	12°23	27°17	16°49	24°26	6°36	29° 2	24°51	4°33	3°35	15°43	28°20	S 13
S 14	15 48 24	28° 4'00	27°57	4°47	13°20	27°26	16°46	24°31	6°37	29° 4	24°52	4°35	3°32	15°50	28°21	S 14
M15	15 52 21	29° 1'25	9♈57	6° 9	14°16	27°35	16°44	24°35	6°38	29° 6	24°53	4°36	3°29	15°57	28°22	M15
T 16	15 56 17	29°58'49	21°49	7°35	15°12	27°45	16°41	24°40	6°39	29° 8	24°54	4°38	3°25	16° 3	28°22	T 16
W17	16 0 14	0♊56'13	3♉37	9° 3	16° 7	27°55	16°38	24°44	6°40	29°10	24°54	4°R38	3°22	16°10	28°23	W17
T 18	16 4 10	1°53'35	15°23	10°33	17° 2	28° 7	16°34	24°49	6°41	29°12	24°55	4°38	3°19	16°17	28°24	T 18
F 19	16 8 7	2°50'57	27°11	12° 7	17°56	28°19	16°31	24°53	6°42	29°14	24°56	4°36	3°16	16°23	28°24	F 19
S 20	16 12 3	3°48'18	9♊ 3	13°43	18°49	28°31	16°27	24°57	6°43	29°16	24°56	4°33	3°13	16°30	28°25	S 20
S 21	16 16 0	4°45'39	21° 1	15°22	19°42	28°44	16°23	25° 1	6°44	29°18	24°57	4°28	3°10	16°37	28°25	S 21
M22	16 19 56	5°42'58	3♋ 7	17° 3	20°35	28°58	16°19	25° 5	6°44	29°21	24°58	4°23	3° 6	16°43	28°25	M22
T 23	16 23 53	6°40'17	15°22	18°47	21°26	29°12	16°15	25° 9	6°45	29°23	24°58	4°18	3° 3	16°50	28°26	T 23
W24	16 27 50	7°37'35	27°48	20°34	22°18	29°27	16°11	25°13	6°46	29°25	24°59	4°13	3° 0	16°57	28°26	W24
T 25	16 31 46	8°34'51	10♌29	22°23	23° 8	29°42	16° 6	25°17	6°46	29°27	24°59	4° 9	2°57	17° 3	28°26	T 25
F 26	16 35 43	9°32'07	23°24	24°15	23°58	29°58	16° 1	25°21	6°47	29°29	25° 0	4° 6	2°54	17°10	28°26	F 26
S 27	16 39 39	10°29'22	6♍38	26° 9	24°47	0♎15	15°56	25°24	6°47	29°31	25° 1	4°D 5	2°51	17°16	28°R26	S 27
S 28	16 43 36	11°26'37	20°13	28° 6	25°35	0°32	15°51	25°28	6°48	29°33	25° 1	4° 5	2°47	17°23	28°26	S 28
M29	16 47 32	12°23'50	4♎ 8	0♊ 5	26°22	0°49	15°46	25°31	6°48	29°35	25° 2	4° 6	2°44	17°30	28°26	M29
T 30	16 51 29	13°21'02	18°26	2° 6	27° 9	1° 7	15°41	25°35	6°49	29°38	25° 2	4° 7	2°41	17°36	28°26	T 30
W31	16 55 25	14♊18'14	3♏ 4	4♊ 9	27♋55	1♎26	15♑36	25♓38	6♓49	29♊40	25♓ 2	4°R 8	2♏38	17♉43	28♒26	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n36	1s 4	3s24	5n22	3s18	26n30	2n57	2n30	1n11	22s37	0s10	4s34	2s 7	9s56	0s45	22n36	0s57	17s11	16s28	13s 9	12s59	15n22	6s49	5n44
T 2	16 52	5 50	2 16	5 35	3 21	26 30	2 57	2 28	1 9	22 37	0 10	4 32	2 7	9 56	0 45	22 36	0 57	17 11	16 28	13 9	12 58	15 23	6 48	5 44
W 3	17 9	10 21	0 57	5 49	3 23	26 29	2 57	2 25	1 6	22 37	0 10	4 30	2 7	9 55	0 45	22 36	0 57	17 10	16 28	13 9	12 57	15 24	6 47	5 44
T 4	17 25	14 17	0n26	6 6	3 24	26 28	2 57	2 22	1 4	22 38	0 10	4 28	2 7	9 55	0 45	22 36	0 57	17 10	16 29	13 9	12 56	15 25	6 47	5 44
F 5	17 41	17 16	1 48	6 25	3 24	26 26	2 57	2 19	1 1	22 38	0 10	4 26	2 8	9 54	0 45	22 36	0 57	17 10	16 29	13 9	12 55	15 26	6 46	5 45
S 6	17 56	19 1	3 2	6 45	3 24	26 23	2 57	2 16	0 59	22 38	0 10	4 24	2 8	9 54	0 45	22 36	0 57	17 10	16 29	13 9	12 54	15 28	6 45	5 45
S 7	18 11	19 24	4 3	7 7	3 23	26 20	2 57	2 12	0 56	22 39	0 11	4 22	2 8	9 53	0 45	22 36	0 57	17 10	16 29	13 8	12 53	15 29	6 44	5 45
M 8	18 26	18 28	4 46	7 31	3 21	26 16	2 56	2 8	0 54	22 39	0 11	4 21	2 8	9 53	0 45	22 36	0 57	17 10	16 30	13 7	12 52	15 30	6 44	5 46
T 9	18 41	16 25	5 10	7 57	3 19	26 12	2 56	2 4	0 51	22 39	0 11	4 19	2 8	9 52	0 46	22 36	0 57	17 10	16 30	13 7	12 51	15 31	6 43	5 46
W10	18 55	13 29	5 16	8 23	3 15	26 7	2 55	1 59	0 49	22 40	0 11	4 17	2 9	9 52	0 46	22 36	0 57	17 10	16 30	13 6	12 50	15 32	6 42	5 46
T 11	19 9	9 57	5 4	8 52	3 12	26 2	2 54	1 54	0 47	22 40	0 11	4 15	2 9	9 51	0 46	22 36	0 57	17 10	16 31	13 6	12 48	15 33	6 42	5 47
F 12	19 23	6 3	4 38	9 22	3 7	25 56	2 53	1 49	0 44	22 41	0 11	4 14	2 9	9 51	0 46	22 36	0 57	17 10	16 31	13 6	12 47	15 34	6 41	5 47
S 13	19 37	2 0	3 58	9 53	3 2	25 49	2 51	1 44	0 42	22 41	0 12	4 12	2 9	9 50	0 46	22 36	0 57	17 10	16 31	13 6	12 46	15 35	6 41	5 47
S 14	19 50	2n 4	3 9	10 25	2 56	25 42	2 50	1 38	0 40	22 41	0 12	4 10	2 9	9 50	0 46	22 36	0 57	17 10	16 32	13 7	12 45	15 36	6 40	5 48
M15	20 2	5 59	2 12	10 58	2 50	25 35	2 48	1 32	0 38	22 42	0 12	4 9	2 10	9 50	0 46	22 36	0 57	17 10	16 32	13 7	12 44	15 38	6 40	5 48
T 16	20 15	9 37	1 10	11 32	2 43	25 27	2 47	1 26	0 35	22 43	0 12	4 7	2 10	9 49	0 46	22 36	0 57	17 10	16 32	13 8	12 43	15 39	6 39	5 48
W17	20 27	12 52	0 6	12 7	2 36	25 18	2 45	1 20	0 33	22 43	0 12	4 5	2 10	9 49	0 46	22 37	0 57	17 10	16 33	13 8	12 42	15 40	6 38	5 49
T 18	20 38	15 35	0s59	12 43	2 28	25 9	2 43	1 14	0 31	22 44	0 12	4 4	2 10	9 49	0 46	22 37	0 57	17 10	16 33	13 8	12 41	15 41	6 38	5 49
F 19	20 50	17 40	2 1	13 20	2 20	25 0	2 40	1 7	0 29	22 44	0 13	4 2	2 11	9 48	0 46	22 37	0 57	17 10	16 33	13 7	12 40	15 42	6 38	5 49
S 20	21 1	18 59	2 58	13 57	2 11	24 50	2 38	1 0	0 27	22 45	0 13	4 1	2 11	9 48	0 46	22 37	0 57	17 10	16 34	13 6	12 39	15 43	6 37	5 49
S 21	21 12	19 28	3 47	14 35	2 1	24 39	2 35	0 53	0 25	22 46	0 13	4 0	2 11	9 48	0 46	22 37	0 57	17 10	16 34	13 4	12 38	15 44	6 37	5 50
M22	21 22	19 4	4 27	15 13	1 52	24 29	2 32	0 46	0 23	22 46	0 13	3 58	2 11	9 48	0 46	22 37	0 57	17 10	16 34	13 3	12 37	15 45	6 36	5 50
T 23	21 32	17 46	4 55	15 52	1 42	24 17	2 29	0 38	0 21	22 47	0 13	3 57	2 12	9 47	0 46	22 37	0 57	17 10	16 35	13 1	12 35	15 46	6 36	5 50
W24	21 41	15 38	5 10	16 30	1 32	24 6	2 26	0 30	0 19	22 48	0 13	3 55	2 12	9 47	0 46	22 37	0 57	17 10	16 35	12 59	12 34	15 47	6 35	5 51
T 25	21 50	12 43	5 10	17 9	1 21	23 54	2 22	0 22	0 17	22 48	0 14	3 54	2 12	9 47	0 46	22 37	0 56	17 10	16 35	12 58	12 33	15 48	6 35	5 51
F 26	21 59	9 9	4 55	17 47	1 10	23 41	2 18	0 14	0 15	22 49	0 14	3 53	2 12	9 47	0 46	22 37	0 56	17 10	16 36	12 57	12 32	15 49	6 35	5 51
S 27	22 8	5 2	4 23	18 26	0 59	23 29	2 14	0 6	0 13	22 50	0 14	3 52	2 13	9 47	0 46	22 37	0 56	17 10	16 36	12 56	12 31	15 50	6 35	5 52
S 28	22 16	0 35	3 37	19 3	0 48	23 16	2 10	0s 2	0 11	22 51	0 14	3 51	2 13	9 46	0 46	22 37	0 56	17 10	16 37	12 57	12 30	15 51	6 34	5 52
M29	22 23	4s 2	2 36	19 40	0 37	23 2	2 6	0 11	0 9	22 51	0 14	3 49	2 13	9 46	0 46	22 37	0 56	17 11	16 37	12 57	12 29	15 52	6 34	5 52
T 30	22 31	8 34	1 25	20 16	0 26	22 49	2 1	0 20	0 7	22 52	0 15	3 48	2 13	9 46	0 46	22 37	0 56	17 11	16 37	12 57	12 28	15 54	6 34	5 53
W31	22n38	12s41	0s 6	20n51	0s14	22n35	1n57	0s29	0n 6	22s53	0s15	3s47	2s14	9s46	0s46	22n37	0s56	17s11	16s38	12s58	12s27	15n55	6s33	5n53

Julian Day Number = 2116743.5, Delta T = 18m38s
Ecliptic obliquity = 23°33'22, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°57'42, Lahiri = 11°04'42 Julian Calendar 1 May 1083 == Greg. Calendar 7 May 1083

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1083
geocentric

JUNE 1083 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 59 22	15♊15'25	17♏58	6♊13	28♋40	1♎45	15°R30	25♓41	6♓49	29♊42	25♓ 3	4°R 7	2♏35	17♉50	28°R25	T 1
F 2	17 3 19	16°12'36	3♐ 1	8°20	29°24	2° 4	15♑24	25°44	6°49	29°44	25° 3	4♏ 5	2°31	17°56	28♒25	F 2
S 3	17 7 15	17° 9'46	18° 6	10°28	0♌ 7	2°24	15°18	25°47	6°50	29°46	25° 4	4° 1	2°28	18° 3	28°25	S 3
S 4	17 11 12	18° 6'56	3♑ 2	12°37	0°49	2°44	15°13	25°50	6°50	29°48	25° 4	3°55	2°25	18°10	28°24	S 4
M 5	17 15 8	19° 4'06	17°41	14°47	1°30	3° 5	15° 6	25°53	6°50	29°51	25° 4	3°48	2°22	18°16	28°24	M 5
T 6	17 19 5	20° 1'15	1♒56	16°58	2° 9	3°26	15° 0	25°56	6°R50	29°53	25° 5	3°41	2°19	18°23	28°23	T 6
W 7	17 23 1	20°58'25	15°45	19° 9	2°48	3°48	14°54	25°58	6°50	29°55	25° 5	3°35	2°16	18°30	28°23	W 7
T 8	17 26 58	21°55'34	29° 5	21°20	3°26	4°10	14°47	26° 1	6°50	29°57	25° 5	3°31	2°12	18°36	28°22	T 8
F 9	17 30 55	22°52'44	11♓58	23°31	4° 3	4°32	14°41	26° 3	6°50	29°59	25° 5	3°29	2° 9	18°43	28°21	F 9
S 10	17 34 51	23°49'53	24°28	25°41	4°38	4°55	14°34	26° 6	6°49	0♋ 2	25° 6	3°D28	2° 6	18°50	28°20	S 10
S 11	17 38 48	24°47'03	6♈40	27°51	5°12	5°18	14°27	26° 8	6°49	0° 4	25° 6	3°29	2° 3	18°56	28°20	S 11
M12	17 42 44	25°44'13	18°39	29°59	5°45	5°42	14°21	26°10	6°49	0° 6	25° 6	3°30	2° 0	19° 3	28°19	M12
T 13	17 46 41	26°41'23	0♉29	2♋ 7	6°16	6° 6	14°14	26°12	6°49	0° 8	25° 6	3°R31	1°57	19°10	28°18	T 13
W14	17 50 37	27°38'33	12°15	4°14	6°46	6°30	14° 7	26°14	6°48	0°11	25° 6	3°30	1°53	19°16	28°17	W14
T 15	17 54 34	28°35'44	24° 3	6°19	7°14	6°55	13°59	26°16	6°48	0°13	25° 6	3°28	1°50	19°23	28°16	T 15
F 16	17 58 30	29°32'55	5♊55	8°22	7°41	7°20	13°52	26°18	6°47	0°15	25° 7	3°24	1°47	19°30	28°15	F 16
S 17	18 2 27	0♋30'06	17°54	10°24	8° 6	7°46	13°45	26°19	6°47	0°17	25° 7	3°17	1°44	19°36	28°13	S 17
S 18	18 6 24	1°27'17	0♋ 2	12°24	8°30	8°12	13°38	26°21	6°46	0°19	25° 7	3° 8	1°41	19°43	28°12	S 18
M19	18 10 20	2°24'28	12°21	14°22	8°52	8°38	13°30	26°22	6°46	0°22	25° 7	2°57	1°37	19°49	28°11	M19
T 20	18 14 17	3°21'39	24°51	16°19	9°12	9° 4	13°23	26°24	6°45	0°24	25°R 7	2°47	1°34	19°56	28°10	T 20
W21	18 18 13	4°18'51	7♌33	18°13	9°31	9°31	13°15	26°25	6°44	0°26	25° 7	2°37	1°31	20° 3	28° 8	W21
T 22	18 22 10	5°16'03	20°27	20° 6	9°47	9°58	13° 8	26°26	6°44	0°28	25° 7	2°28	1°28	20° 9	28° 7	T 22
F 23	18 26 6	6°13'14	3♍33	21°57	10° 2	10°26	13° 0	26°27	6°43	0°31	25° 7	2°21	1°25	20°16	28° 5	F 23
S 24	18 30 3	7°10'26	16°53	23°46	10°14	10°54	12°52	26°28	6°42	0°33	25° 7	2°17	1°22	20°23	28° 4	S 24
S 25	18 33 59	8° 7'38	0♎27	25°32	10°25	11°22	12°45	26°29	6°41	0°35	25° 6	2°16	1°18	20°29	28° 2	S 25
M26	18 37 56	9° 4'49	14°17	27°18	10°33	11°50	12°37	26°30	6°40	0°37	25° 6	2°D16	1°15	20°36	28° 1	M26
T 27	18 41 53	10° 2'01	28°23	29° 1	10°39	12°19	12°29	26°31	6°39	0°39	25° 6	2°R16	1°12	20°43	27°59	T 27
W28	18 45 49	10°59'13	12♏43	0♌42	10°43	12°48	12°21	26°31	6°38	0°42	25° 6	2°16	1° 9	20°49	27°57	W28
T 29	18 49 46	11°56'26	27°18	2°21	10°R45	13°17	12°14	26°32	6°37	0°44	25° 6	2°14	1° 6	20°56	27°55	T 29
F 30	18 53 42	12♋53'38	12♐ 1	3♌59	10♌44	13♎47	12♑ 6	26♓32	6♓36	0♋46	25♓ 6	2♏ 9	1♏ 3	21♉ 3	27♒54	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n44	16s 4	1n15	21n24	0s 3	22n21	1n51	0s38	0n 4	22s54	0s15	3s46	2s14	9s46	0s46	22n37	0s56	17s11	16s38	12s57	12s26	15n56	6s33	5n53
F 2	22 50	18 24	2 30	21 56	0n 8	22 6	1 46	0 48	0 2	22 55	0 15	3 45	2 14	9 46	0 46	22 37	0 56	17 11	16 38	12 56	12 24	15 57	6 33	5 54
S 3	22 56	19 26	3 36	22 26	0 18	21 52	1 41	0 57	0 0	22 55	0 15	3 44	2 14	9 46	0 46	22 37	0 56	17 11	16 39	12 55	12 23	15 58	6 33	5 54
S 4	23 1	19 6	4 26	22 54	0 29	21 37	1 35	1 7	0s 1	22 56	0 15	3 43	2 15	9 46	0 47	22 37	0 56	17 12	16 39	12 53	12 22	15 59	6 33	5 54
M 5	23 6	17 28	4 57	23 19	0 39	21 22	1 29	1 17	0 3	22 57	0 16	3 42	2 15	9 46	0 47	22 37	0 56	17 12	16 39	12 51	12 21	16 0	6 33	5 54
T 6	23 11	14 48	5 9	23 43	0 48	21 7	1 22	1 27	0 5	22 58	0 16	3 42	2 15	9 46	0 47	22 37	0 56	17 12	16 40	12 48	12 20	16 1	6 33	5 55
W 7	23 15	11 23	5 2	24 3	0 57	20 51	1 16	1 37	0 6	22 59	0 16	3 41	2 16	9 46	0 47	22 37	0 56	17 12	16 40	12 46	12 19	16 2	6 33	5 55
T 8	23 19	7 29	4 39	24 22	1 6	20 36	1 9	1 47	0 8	23 0	0 16	3 40	2 16	9 46	0 47	22 37	0 56	17 12	16 41	12 45	12 18	16 3	6 32	5 55
F 9	23 22	3 22	4 2	24 37	1 13	20 20	1 2	1 57	0 9	23 1	0 16	3 39	2 16	9 46	0 47	22 37	0 56	17 13	16 41	12 44	12 17	16 4	6 32	5 56
S 10	23 25	0n47	3 15	24 50	1 21	20 5	0 54	2 8	0 11	23 2	0 16	3 39	2 16	9 46	0 47	22 37	0 56	17 13	16 41	12 44	12 16	16 5	6 32	5 56
S 11	23 27	4 48	2 20	24 59	1 27	19 49	0 47	2 19	0 12	23 2	0 17	3 38	2 17	9 46	0 47	22 37	0 56	17 13	16 42	12 44	12 15	16 6	6 32	5 56
M12	23 29	8 34	1 19	25 6	1 33	19 33	0 38	2 29	0 14	23 3	0 17	3 37	2 17	9 47	0 47	22 37	0 56	17 13	16 42	12 45	12 13	16 7	6 32	5 56
T 13	23 31	11 57	0 16	25 10	1 38	19 17	0 30	2 40	0 16	23 4	0 17	3 37	2 17	9 47	0 47	22 37	0 56	17 14	16 42	12 45	12 12	16 8	6 33	5 57
W14	23 32	14 51	0s47	25 11	1 42	19 1	0 22	2 51	0 17	23 5	0 17	3 36	2 17	9 47	0 47	22 37	0 56	17 14	16 43	12 45	12 11	16 9	6 33	5 57
T 15	23 33	17 8	1 48	25 10	1 46	18 45	0 13	3 3	0 18	23 6	0 17	3 36	2 18	9 47	0 47	22 37	0 56	17 14	16 43	12 44	12 10	16 10	6 33	5 57
F 16	23 33	18 41	2 45	25 6	1 49	18 30	0 3	3 14	0 20	23 7	0 17	3 35	2 18	9 47	0 47	22 37	0 56	17 15	16 44	12 42	12 9	16 11	6 33	5 58
S 17	23 33	19 26	3 35	24 59	1 51	18 14	0s 6	3 25	0 21	23 8	0 18	3 35	2 18	9 48	0 47	22 37	0 56	17 15	16 44	12 40	12 8	16 12	6 33	5 58
S 18	23 33	19 18	4 16	24 50	1 52	17 58	0 16	3 37	0 23	23 9	0 18	3 35	2 19	9 48	0 47	22 37	0 56	17 15	16 44	12 37	12 7	16 13	6 33	5 58
M19	23 32	18 15	4 45	24 39	1 53	17 43	0 26	3 48	0 24	23 10	0 18	3 34	2 19	9 48	0 47	22 37	0 56	17 16	16 45	12 33	12 6	16 14	6 33	5 58
T 20	23 31	16 19	5 1	24 25	1 53	17 27	0 36	4 0	0 25	23 11	0 18	3 34	2 19	9 48	0 47	22 37	0 56	17 16	16 45	12 30	12 5	16 15	6 33	5 59
W21	23 29	13 35	5 3	24 10	1 52	17 12	0 47	4 12	0 27	23 12	0 18	3 34	2 19	9 49	0 47	22 37	0 56	17 16	16 45	12 26	12 4	16 16	6 34	5 59
T 22	23 27	10 10	4 49	23 53	1 51	16 57	0 58	4 24	0 28	23 13	0 18	3 33	2 20	9 49	0 47	22 37	0 56	17 17	16 46	12 23	12 2	16 17	6 34	5 59
F 23	23 25	6 12	4 21	23 33	1 49	16 42	1 9	4 36	0 29	23 13	0 18	3 33	2 20	9 49	0 47	22 37	0 56	17 17	16 46	12 21	12 1	16 18	6 34	5 59
S 24	23 22	1 52	3 37	23 13	1 47	16 28	1 21	4 48	0 31	23 14	0 19	3 33	2 20	9 50	0 47	22 37	0 56	17 17	16 47	12 20	12 0	16 19	6 34	6 0
S 25	23 18	2s39	2 41	22 50	1 44	16 13	1 33	5 0	0 32	23 15	0 19	3 33	2 21	9 50	0 47	22 37	0 56	17 18	16 47	12 19	11 59	16 19	6 35	6 0
M26	23 15	7 6	1 34	22 26	1 40	15 59	1 45	5 13	0 33	23 16	0 19	3 33	2 21	9 50	0 47	22 37	0 56	17 18	16 47	12 19	11 58	16 20	6 35	6 0
T 27	23 10	11 16	0 21	22 1	1 36	15 46	1 58	5 25	0 34	23 17	0 19	3 33	2 21	9 51	0 47	22 37	0 56	17 18	16 48	12 19	11 57	16 21	6 35	6 0
W28	23 6	14 51	0n55	21 35	1 31	15 32	2 10	5 38	0 36	23 18	0 19	3 33	2 21	9 51	0 47	22 37	0 56	17 19	16 48	12 19	11 56	16 22	6 36	6 1
T 29	23 1	17 33	2 9	21 8	1 26	15 19	2 23	5 50	0 37	23 19	0 19	3 33	2 22	9 52	0 47	22 37	0 56	17 19	16 48	12 18	11 55	16 23	6 36	6 1
F 30	22n56	19s 8	3n15	20n40	1n21	15n 7	2s37	6s 3	0s38	23s20	0s20	3s33	2s22	9s52	0s48	22n37	0s56	17s20	16s49	12s17	11s54	16n24	6s37	6n 1

Julian Day Number = 2116774.5, Delta T = 18m38s
Ecliptic obliquity = 23°33'21, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°57'46, Lahiri = 11°04'47 Julian Calendar 1 June 1083 == Greg. Calendar 7 June 1083

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1083
geocentric

JULY 1083 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 57 39	13♋50'51	26♐47	5♌34	10°R41	14♎17	11°R58	26♓32	6°R35	0♋48	25°R 5	2°R 2	0♏59	21♉ 9	27°R52	S 1
S 2	19 1 35	14°48'05	11♑29	7° 8	10♌36	14°47	11♑51	26°32	6♓34	0°50	25♓ 5	1♏53	0°56	21°16	27♒50	S 2
M 3	19 5 32	15°45'19	25°58	8°40	10°28	15°17	11°43	26°R32	6°33	0°53	25° 5	1°42	0°53	21°23	27°48	M 3
T 4	19 9 28	16°42'34	10♒ 8	10° 9	10°18	15°48	11°35	26°32	6°31	0°55	25° 4	1°31	0°50	21°29	27°46	T 4
W 5	19 13 25	17°39'49	23°55	11°37	10° 5	16°19	11°28	26°32	6°30	0°57	25° 4	1°22	0°47	21°36	27°44	W 5
T 6	19 17 22	18°37'05	7♓15	13° 3	9°51	16°50	11°20	26°32	6°29	0°59	25° 4	1°14	0°43	21°43	27°42	T 6
F 7	19 21 18	19°34'22	20°10	14°27	9°33	17°21	11°12	26°32	6°27	1° 1	25° 3	1° 8	0°40	21°49	27°40	F 7
S 8	19 25 15	20°31'41	2♈42	15°49	9°14	17°53	11° 5	26°31	6°26	1° 3	25° 3	1° 5	0°37	21°56	27°37	S 8
S 9	19 29 11	21°29'00	14°55	17° 9	8°52	18°25	10°57	26°30	6°25	1° 6	25° 3	1° 4	0°34	22° 3	27°35	S 9
M10	19 33 8	22°26'20	26°54	18°27	8°28	18°57	10°50	26°30	6°23	1° 8	25° 2	1° 4	0°31	22° 9	27°33	M10
T 11	19 37 4	23°23'42	8♉45	19°42	8° 2	19°29	10°42	26°29	6°21	1°10	25° 2	1° 4	0°28	22°16	27°31	T 11
W12	19 41 1	24°21'04	20°32	20°56	7°34	20° 2	10°35	26°28	6°20	1°12	25° 1	1° 3	0°24	22°23	27°28	W12
T 13	19 44 57	25°18'28	2♊22	22° 7	7° 5	20°35	10°28	26°27	6°18	1°14	25° 1	1° 0	0°21	22°29	27°26	T 13
F 14	19 48 54	26°15'53	14°19	23°16	6°34	21° 8	10°20	26°26	6°17	1°16	25° 0	0°54	0°18	22°36	27°24	F 14
S 15	19 52 51	27°13'19	26°25	24°22	6° 1	21°41	10°13	26°25	6°15	1°18	25° 0	0°46	0°15	22°43	27°21	S 15
S 16	19 56 47	28°10'46	8♋45	25°26	5°27	22°15	10° 6	26°24	6°13	1°20	24°59	0°35	0°12	22°49	27°19	S 16
M17	20 0 44	29° 8'15	21°18	26°27	4°52	22°48	9°59	26°22	6°12	1°22	24°59	0°22	0° 9	22°56	27°16	M17
T 18	20 4 40	0♌ 5'44	4♌ 6	27°25	4°16	23°22	9°52	26°21	6°10	1°24	24°58	0° 9	0° 5	23° 2	27°14	T 18
W19	20 8 37	1° 3'15	17° 8	28°21	3°40	23°56	9°46	26°19	6° 8	1°26	24°57	29♎57	0° 2	23° 9	27°11	W19
T 20	20 12 33	2° 0'46	0♍23	29°14	3° 3	24°31	9°39	26°18	6° 6	1°28	24°57	29°46	29♎59	23°16	27° 9	T 20
F 21	20 16 30	2°58'18	13°48	0♍ 3	2°25	25° 5	9°33	26°16	6° 4	1°30	24°56	29°38	29°56	23°22	27° 6	F 21
S 22	20 20 26	3°55'52	27°24	0°49	1°48	25°40	9°26	26°14	6° 2	1°32	24°56	29°33	29°53	23°29	27° 3	S 22
S 23	20 24 23	4°53'26	11♎ 9	1°32	1°11	26°15	9°20	26°12	6° 0	1°34	24°55	29°30	29°49	23°36	27° 1	S 23
M24	20 28 20	5°51'01	25° 2	2°11	0°35	26°50	9°14	26°10	5°58	1°36	24°54	29°29	29°46	23°42	26°58	M24
T 25	20 32 16	6°48'38	9♏ 4	2°46	29♋59	27°25	9° 7	26° 8	5°57	1°38	24°53	29°29	29°43	23°49	26°55	T 25
W26	20 36 13	7°46'15	23°14	3°17	29°25	28° 1	9° 2	26° 6	5°55	1°40	24°53	29°29	29°40	23°56	26°52	W26
T 27	20 40 9	8°43'53	7♐30	3°43	28°51	28°36	8°56	26° 3	5°52	1°42	24°52	29°26	29°37	24° 2	26°50	T 27
F 28	20 44 6	9°41'33	21°51	4° 5	28°19	29°12	8°50	26° 1	5°50	1°43	24°51	29°21	29°34	24° 9	26°47	F 28
S 29	20 48 2	10°39'13	6♑13	4°23	27°48	29°48	8°45	25°58	5°48	1°45	24°50	29°14	29°30	24°16	26°44	S 29
S 30	20 51 59	11°36'55	20°30	4°35	27°19	0♏25	8°39	25°56	5°46	1°47	24°50	29° 4	29°27	24°22	26°41	S 30
M31	20 55 55	12♌34'38	4♒38	4♍42	26♋52	1♏ 1	8♑34	25♓53	5♓44	1♋49	24♓49	28♎53	29♎24	24♉29	26♒38	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n50	19s24	4n 7	20n10	1n15	14n55	2s50	6s15	0s39	23s20	0s20	3s33	2s22	9s52	0s48	22n37	0s56	17s20	16s49	12s14	11s52	16n25	6s37	6n 1
S 2	22 44	18 21	4 43	19 40	1 8	14 43	3 4	6 28	0 40	23 21	0 20	3 34	2 23	9 53	0 48	22 37	0 56	17 21	16 49	12 11	11 51	16 26	6 37	6 2
M 3	22 37	16 8	5 0	19 10	1 1	14 32	3 17	6 41	0 41	23 22	0 20	3 34	2 23	9 53	0 48	22 37	0 56	17 21	16 50	12 7	11 50	16 27	6 38	6 2
T 4	22 30	13 0	4 59	18 39	0 54	14 21	3 31	6 54	0 42	23 23	0 20	3 34	2 23	9 54	0 48	22 37	0 56	17 21	16 50	12 4	11 49	16 28	6 38	6 2
W 5	22 23	9 13	4 39	18 7	0 46	14 11	3 45	7 7	0 44	23 24	0 20	3 34	2 23	9 54	0 48	22 37	0 56	17 22	16 50	12 0	11 48	16 29	6 39	6 2
T 6	22 15	5 6	4 5	17 35	0 38	14 2	3 59	7 20	0 45	23 25	0 20	3 35	2 24	9 55	0 48	22 37	0 56	17 22	16 51	11 58	11 47	16 30	6 39	6 2
F 7	22 7	0 52	3 19	17 3	0 29	13 53	4 13	7 33	0 46	23 25	0 21	3 35	2 24	9 55	0 48	22 37	0 56	17 23	16 51	11 56	11 46	16 31	6 40	6 3
S 8	21 59	3n17	2 25	16 30	0 21	13 44	4 27	7 46	0 47	23 26	0 21	3 36	2 24	9 56	0 48	22 37	0 56	17 23	16 52	11 55	11 45	16 32	6 40	6 3
S 9	21 50	7 12	1 25	15 57	0 11	13 37	4 41	7 59	0 48	23 27	0 21	3 36	2 25	9 57	0 48	22 37	0 56	17 24	16 52	11 54	11 44	16 33	6 41	6 3
M10	21 41	10 46	0 22	15 24	0 2	13 29	4 55	8 12	0 49	23 28	0 21	3 37	2 25	9 57	0 48	22 37	0 56	17 24	16 52	11 54	11 42	16 33	6 42	6 3
T 11	21 31	13 51	0s41	14 51	0s 8	13 23	5 8	8 26	0 50	23 28	0 21	3 37	2 25	9 58	0 48	22 37	0 56	17 25	16 53	11 54	11 41	16 34	6 42	6 3
W12	21 21	16 21	1 41	14 19	0 18	13 17	5 21	8 39	0 51	23 29	0 21	3 38	2 25	9 58	0 48	22 37	0 56	17 25	16 53	11 54	11 40	16 35	6 43	6 4
T 13	21 11	18 9	2 38	13 46	0 28	13 12	5 34	8 52	0 52	23 30	0 21	3 38	2 26	9 59	0 48	22 37	0 56	17 26	16 53	11 53	11 39	16 36	6 44	6 4
F 14	21 0	19 11	3 28	13 14	0 38	13 7	5 47	9 6	0 53	23 30	0 21	3 39	2 26	10 0	0 48	22 37	0 56	17 26	16 54	11 51	11 38	16 37	6 44	6 4
S 15	20 49	19 22	4 9	12 42	0 49	13 3	5 59	9 19	0 54	23 31	0 22	3 40	2 26	10 0	0 48	22 37	0 56	17 27	16 54	11 48	11 37	16 38	6 45	6 4
S 16	20 38	18 37	4 39	12 10	1 0	13 0	6 11	9 33	0 55	23 32	0 22	3 41	2 26	10 1	0 48	22 37	0 56	17 27	16 54	11 44	11 36	16 39	6 46	6 4
M17	20 26	16 58	4 57	11 39	1 11	12 57	6 22	9 46	0 55	23 32	0 22	3 41	2 27	10 2	0 48	22 37	0 56	17 28	16 54	11 39	11 35	16 40	6 46	6 4
T 18	20 14	14 28	5 0	11 8	1 22	12 56	6 33	10 0	0 56	23 33	0 22	3 42	2 27	10 2	0 48	22 37	0 56	17 28	16 55	11 35	11 33	16 41	6 47	6 4
W19	20 1	11 13	4 47	10 39	1 33	12 54	6 42	10 13	0 57	23 34	0 22	3 43	2 27	10 3	0 48	22 37	0 56	17 29	16 55	11 30	11 32	16 41	6 48	6 5
T 20	19 48	7 21	4 19	10 10	1 45	12 53	6 52	10 27	0 58	23 34	0 22	3 44	2 27	10 4	0 48	22 37	0 56	17 29	16 55	11 27	11 31	16 42	6 48	6 5
F 21	19 35	3 4	3 36	9 42	1 56	12 53	7 0	10 40	0 59	23 35	0 22	3 45	2 28	10 4	0 48	22 37	0 56	17 30	16 56	11 24	11 30	16 43	6 49	6 5
S 22	19 22	1s25	2 41	9 15	2 8	12 54	7 8	10 54	1 0	23 35	0 22	3 46	2 28	10 5	0 48	22 37	0 56	17 30	16 56	11 22	11 29	16 44	6 50	6 5
S 23	19 8	5 54	1 35	8 49	2 19	12 55	7 15	11 7	1 1	23 36	0 22	3 47	2 28	10 6	0 48	22 37	0 56	17 31	16 56	11 21	11 28	16 45	6 51	6 5
M24	18 54	10 6	0 24	8 24	2 31	12 57	7 21	11 21	1 1	23 37	0 23	3 48	2 28	10 7	0 48	22 37	0 56	17 31	16 57	11 21	11 27	16 46	6 52	6 5
T 25	18 40	13 47	0n51	8 1	2 42	12 59	7 26	11 34	1 2	23 37	0 23	3 49	2 29	10 7	0 48	22 37	0 56	17 32	16 57	11 21	11 26	16 47	6 52	6 5
W26	18 25	16 42	2 2	7 39	2 54	13 1	7 31	11 48	1 3	23 38	0 23	3 50	2 29	10 8	0 48	22 37	0 56	17 33	16 57	11 20	11 24	16 48	6 53	6 5
T 27	18 10	18 36	3 7	7 19	3 5	13 4	7 34	12 2	1 4	23 38	0 23	3 51	2 29	10 9	0 48	22 37	0 56	17 33	16 57	11 20	11 23	16 48	6 54	6 5
F 28	17 55	19 19	4 0	7 1	3 16	13 8	7 37	12 15	1 5	23 39	0 23	3 53	2 29	10 10	0 48	22 37	0 56	17 34	16 58	11 18	11 22	16 49	6 55	6 5
S 29	17 39	18 47	4 38	6 45	3 26	13 12	7 39	12 29	1 5	23 39	0 23	3 54	2 30	10 10	0 48	22 36	0 56	17 34	16 58	11 15	11 21	16 50	6 56	6 6
S 30	17 23	17 4	4 58	6 31	3 36	13 16	7 41	12 42	1 6	23 39	0 23	3 55	2 30	10 11	0 48	22 36	0 56	17 35	16 58	11 12	11 20	16 51	6 57	6 6
M31	17n 7	14s20	5n 0	6n19	3s46	13n20	7s41	12s56	1s 7	23s40	0s23	3s56	2s30	10s12	0s48	22n36	0s56	17s35	16s59	11s 8	11s19	16n52	6s58	6n 6

Julian Day Number = 2116804.5, Delta T = 18m37s
Ecliptic obliquity = 23°33'21, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°57'50, Lahiri = 11°04'51 Julian Calendar 1 July 1083 == Greg. Calendar 7 July 1083

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1083
geocentric

AUGUST 1083 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 59 52	13♌32'22	18♒31	4°R44	26°R27	1♏38	8°R29	25°R50	5°R42	1♋51	24°R48	28°R42	29♎21	24♉36	26°R36	T 1
W 2	21 3 49	14°30'08	2♓ 5	4♍40	26♋ 4	2°14	8♑24	25♓47	5♓40	1°52	24♓47	28♎31	29°18	24°42	26♒33	W 2
T 3	21 7 45	15°27'55	15°17	4°30	25°44	2°51	8°19	25°45	5°38	1°54	24°46	28°23	29°15	24°49	26°30	T 3
F 4	21 11 42	16°25'44	28° 7	4°15	25°25	3°28	8°14	25°42	5°35	1°56	24°45	28°17	29°11	24°56	26°27	F 4
S 5	21 15 38	17°23'35	10♈37	3°54	25° 9	4° 5	8°10	25°38	5°33	1°58	24°45	28°13	29° 8	25° 2	26°24	S 5
S 6	21 19 35	18°21'27	22°50	3°26	24°55	4°43	8° 6	25°35	5°31	1°59	24°44	28°D12	29° 5	25° 9	26°21	S 6
M 7	21 23 31	19°19'22	4♉50	2°53	24°44	5°20	8° 1	25°32	5°29	2° 1	24°43	28°12	29° 2	25°16	26°18	M 7
T 8	21 27 28	20°17'18	16°41	2°15	24°35	5°58	7°58	25°29	5°26	2° 3	24°42	28°R12	28°59	25°22	26°15	T 8
W 9	21 31 24	21°15'16	28°30	1°32	24°29	6°36	7°54	25°25	5°24	2° 4	24°41	28°12	28°55	25°29	26°12	W 9
T 10	21 35 21	22°13'16	10♊22	0°44	24°24	7°14	7°50	25°22	5°22	2° 6	24°40	28°10	28°52	25°36	26° 9	T 10
F 11	21 39 18	23°11'18	22°22	29♌52	24°D23	7°52	7°47	25°18	5°19	2° 7	24°39	28° 7	28°49	25°42	26° 6	F 11
S 12	21 43 14	24° 9'21	4♋33	28°58	24°23	8°30	7°43	25°15	5°17	2° 9	24°38	28° 0	28°46	25°49	26° 3	S 12
S 13	21 47 11	25° 7'27	17° 1	28° 1	24°26	9° 9	7°40	25°11	5°15	2°10	24°37	27°52	28°43	25°56	26° 0	S 13
M14	21 51 7	26° 5'35	29°46	27° 4	24°32	9°48	7°37	25° 7	5°12	2°12	24°36	27°42	28°40	26° 2	25°57	M14
T 15	21 55 4	27° 3'44	12♌50	26° 7	24°39	10°26	7°35	25° 3	5°10	2°13	24°35	27°31	28°36	26° 9	25°54	T 15
W16	21 59 0	28° 1'55	26°12	25°11	24°49	11° 5	7°32	25° 0	5° 8	2°15	24°34	27°21	28°33	26°16	25°51	W16
T 17	22 2 57	29° 0'08	9♍49	24°19	25° 0	11°44	7°30	24°56	5° 5	2°16	24°33	27°13	28°30	26°22	25°48	T 17
F 18	22 6 53	29°58'23	23°40	23°30	25°14	12°24	7°28	24°52	5° 3	2°17	24°32	27° 6	28°27	26°29	25°45	F 18
S 19	22 10 50	0♍56'39	7♎39	22°47	25°30	13° 3	7°26	24°48	5° 0	2°19	24°31	27° 2	28°24	26°36	25°42	S 19
S 20	22 14 46	1°54'57	21°45	22°10	25°48	13°42	7°24	24°43	4°58	2°20	24°30	27°D 1	28°20	26°42	25°40	S 20
M21	22 18 43	2°53'17	5♏54	21°40	26° 7	14°22	7°22	24°39	4°56	2°21	24°29	27° 1	28°17	26°49	25°37	M21
T 22	22 22 40	3°51'38	20° 4	21°19	26°29	15° 2	7°21	24°35	4°53	2°23	24°27	27° 2	28°14	26°56	25°34	T 22
W23	22 26 36	4°50'01	4♐13	21° 6	26°52	15°42	7°20	24°31	4°51	2°24	24°26	27°R 2	28°11	27° 2	25°31	W23
T 24	22 30 33	5°48'26	18°21	21°D 2	27°17	16°22	7°19	24°27	4°48	2°25	24°25	27° 1	28° 8	27° 9	25°28	T 24
F 25	22 34 29	6°46'52	2♑25	21° 7	27°43	17° 2	7°18	24°22	4°46	2°26	24°24	26°59	28° 5	27°16	25°25	F 25
S 26	22 38 26	7°45'20	16°24	21°21	28°11	17°42	7°17	24°18	4°44	2°28	24°23	26°54	28° 1	27°22	25°22	S 26
S 27	22 42 22	8°43'49	0♒15	21°45	28°41	18°22	7°17	24°13	4°41	2°29	24°22	26°48	27°58	27°29	25°19	S 27
M28	22 46 19	9°42'20	13°56	22°18	29°12	19° 3	7°16	24° 9	4°39	2°30	24°21	26°40	27°55	27°36	25°16	M28
T 29	22 50 15	10°40'53	27°24	22°59	29°45	19°44	7°D16	24° 4	4°36	2°31	24°20	26°32	27°52	27°42	25°14	T 29
W30	22 54 12	11°39'28	10♓37	23°49	0♌19	20°24	7°16	24° 0	4°34	2°32	24°19	26°25	27°49	27°49	25°11	W30
T 31	22 58 9	12♍38'05	23♓33	24♌46	0♌54	21♏ 5	7♑17	23♓55	4♓32	2♋33	24♓17	26♎19	27♎46	27♉56	25♒ 8	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n50	10s51	4n44	6n10	3s55	13n25	7s41	13s 9	1s 8	23s40	0s23	3s58	2s30	10s13	0s48	22n36	0s56	17s36	16s59	11s 4	11s18	16n53	6s59	6n 6
W 2	16 34	6 52	4 12	6 4	4 4	13 30	7 40	13 23	1 8	23 41	0 23	3 59	2 31	10 14	0 48	22 36	0 56	17 36	16 59	11 0	11 17	16 53	7 0	6 6
T 3	16 17	2 39	3 27	6 0	4 11	13 36	7 38	13 36	1 9	23 41	0 24	4 0	2 31	10 15	0 48	22 36	0 56	17 37	16 59	10 57	11 15	16 54	7 0	6 6
F 4	15 59	1n35	2 33	6 0	4 18	13 41	7 36	13 49	1 10	23 41	0 24	4 2	2 31	10 15	0 48	22 36	0 56	17 38	17 0	10 55	11 14	16 55	7 1	6 6
S 5	15 42	5 38	1 32	6 2	4 24	13 47	7 33	14 3	1 10	23 42	0 24	4 3	2 31	10 16	0 48	22 36	0 56	17 38	17 0	10 54	11 13	16 56	7 2	6 6
S 6	15 24	9 22	0 29	6 8	4 28	13 52	7 30	14 16	1 11	23 42	0 24	4 5	2 32	10 17	0 48	22 36	0 56	17 39	17 0	10 53	11 12	16 57	7 3	6 6
M 7	15 6	12 38	0s35	6 17	4 31	13 58	7 26	14 29	1 12	23 43	0 24	4 6	2 32	10 18	0 48	22 36	0 56	17 39	17 0	10 53	11 11	16 58	7 4	6 6
T 8	14 48	15 21	1 37	6 29	4 32	14 4	7 21	14 43	1 12	23 43	0 24	4 8	2 32	10 19	0 48	22 36	0 56	17 40	17 0	10 53	11 10	16 58	7 5	6 6
W 9	14 29	17 25	2 34	6 45	4 32	14 10	7 16	14 56	1 13	23 43	0 24	4 9	2 32	10 20	0 48	22 36	0 56	17 41	17 1	10 53	11 9	16 59	7 6	6 6
T 10	14 10	18 44	3 25	7 3	4 30	14 16	7 11	15 9	1 14	23 43	0 24	4 11	2 32	10 20	0 48	22 36	0 56	17 41	17 1	10 53	11 8	17 0	7 7	6 6
F 11	13 51	19 13	4 8	7 25	4 26	14 22	7 5	15 22	1 14	23 44	0 24	4 12	2 33	10 21	0 48	22 36	0 56	17 42	17 1	10 51	11 6	17 1	7 8	6 6
S 12	13 32	18 49	4 39	7 49	4 21	14 28	6 59	15 35	1 15	23 44	0 24	4 14	2 33	10 22	0 48	22 36	0 56	17 42	17 1	10 49	11 5	17 2	7 9	6 6
S 13	13 13	17 32	4 59	8 16	4 13	14 34	6 53	15 48	1 15	23 44	0 24	4 16	2 33	10 23	0 48	22 36	0 56	17 43	17 2	10 46	11 4	17 2	7 10	6 6
M14	12 53	15 21	5 4	8 44	4 3	14 39	6 46	16 1	1 16	23 45	0 24	4 17	2 33	10 24	0 48	22 36	0 56	17 43	17 2	10 42	11 3	17 3	7 11	6 6
T 15	12 33	12 21	4 54	9 14	3 52	14 45	6 39	16 14	1 16	23 45	0 25	4 19	2 33	10 25	0 48	22 36	0 56	17 44	17 2	10 39	11 2	17 4	7 12	6 6
W16	12 13	8 40	4 27	9 45	3 39	14 50	6 32	16 27	1 17	23 45	0 25	4 21	2 33	10 26	0 49	22 36	0 56	17 45	17 2	10 35	11 1	17 5	7 13	6 6
T 17	11 53	4 27	3 45	10 17	3 24	14 55	6 25	16 39	1 18	23 45	0 25	4 22	2 34	10 27	0 49	22 36	0 56	17 45	17 2	10 32	11 0	17 6	7 14	6 6
F 18	11 32	0s 3	2 49	10 48	3 8	15 0	6 17	16 52	1 18	23 45	0 25	4 24	2 34	10 27	0 49	22 36	0 56	17 46	17 2	10 29	10 58	17 6	7 15	6 5
S 19	11 11	4 37	1 42	11 18	2 50	15 5	6 10	17 5	1 19	23 46	0 25	4 26	2 34	10 28	0 49	22 36	0 56	17 46	17 3	10 28	10 57	17 7	7 17	6 5
S 20	10 51	8 57	0 28	11 48	2 32	15 10	6 2	17 17	1 19	23 46	0 25	4 28	2 34	10 29	0 49	22 36	0 56	17 47	17 3	10 27	10 56	17 8	7 18	6 5
M21	10 30	12 48	0n48	12 15	2 13	15 14	5 54	17 30	1 20	23 46	0 25	4 29	2 34	10 30	0 49	22 36	0 56	17 47	17 3	10 27	10 55	17 9	7 19	6 5
T 22	10 8	15 54	2 1	12 40	1 54	15 18	5 46	17 42	1 20	23 46	0 25	4 31	2 34	10 31	0 49	22 36	0 57	17 48	17 3	10 28	10 54	17 9	7 20	6 5
W23	9 47	18 2	3 6	13 2	1 35	15 22	5 38	17 54	1 20	23 46	0 25	4 33	2 35	10 32	0 49	22 36	0 57	17 49	17 3	10 28	10 53	17 10	7 21	6 5
T 24	9 26	19 3	4 1	13 22	1 16	15 25	5 30	18 6	1 21	23 46	0 25	4 35	2 35	10 33	0 49	22 35	0 57	17 49	17 3	10 28	10 52	17 11	7 22	6 5
F 25	9 4	18 52	4 40	13 38	0 57	15 28	5 21	18 18	1 21	23 46	0 25	4 37	2 35	10 34	0 49	22 35	0 57	17 50	17 3	10 27	10 50	17 12	7 23	6 5
S 26	8 42	17 32	5 3	13 51	0 39	15 31	5 13	18 30	1 22	23 46	0 25	4 39	2 35	10 35	0 49	22 35	0 57	17 50	17 4	10 25	10 49	17 12	7 24	6 5
S 27	8 20	15 12	5 7	14 0	0 21	15 33	5 5	18 42	1 22	23 46	0 25	4 41	2 35	10 35	0 49	22 35	0 57	17 51	17 4	10 23	10 48	17 13	7 25	6 5
M28	7 58	12 2	4 54	14 5	0 4	15 35	4 56	18 54	1 23	23 47	0 25	4 42	2 35	10 36	0 49	22 35	0 57	17 51	17 4	10 20	10 47	17 14	7 26	6 4
T 29	7 36	8 17	4 25	14 6	0n11	15 37	4 48	19 5	1 23	23 47	0 25	4 44	2 35	10 37	0 49	22 35	0 57	17 52	17 4	10 17	10 46	17 15	7 27	6 4
W30	7 14	4 12	3 42	14 3	0 26	15 38	4 39	19 17	1 23	23 47	0 25	4 46	2 35	10 38	0 49	22 35	0 57	17 52	17 4	10 14	10 45	17 15	7 28	6 4
T 31	6n51	0s 0	2n48	13n57	0n40	15n39	4s31	19s28	1s24	23s47	0s25	4s48	2s35	10s39	0s48	22n35	0s57	17s53	17s 4	10s12	10s44	17n16	7s29	6n 4

Julian Day Number = 2116835.5, Delta T = 18m37s
Ecliptic obliquity = 23°33'21, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°57'55, Lahiri = 11°04'55 Julian Calendar 1 Aug. 1083 == Greg. Calendar 7 Aug. 1083

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1083
geocentric

SEPTEMBER 1083 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 2 5	13♍36'44	6♈12	25♌51	1♌31	21♏46	7♑17	23°R51	4°R29	2♋34	24°R16	26°R15	27♎42	28♉ 2	25°R 5	F 1
S 2	23 6 2	14°35'25	18°35	27° 3	2° 9	22°27	7°18	23♓46	4♓27	2°35	24♓15	26♎13	27°39	28° 9	25♒ 2	S 2
S 3	23 9 58	15°34'08	0♉44	28°20	2°48	23° 9	7°19	23°42	4°25	2°36	24°14	26°D13	27°36	28°16	25° 0	S 3
M 4	23 13 55	16°32'53	12°43	29°43	3°28	23°50	7°20	23°37	4°22	2°37	24°13	26°14	27°33	28°22	24°57	M 4
T 5	23 17 51	17°31'41	24°34	1♍11	4° 9	24°31	7°21	23°32	4°20	2°37	24°12	26°16	27°30	28°29	24°54	T 5
W 6	23 21 48	18°30'31	6♊23	2°43	4°52	25°13	7°23	23°28	4°18	2°38	24°10	26°17	27°26	28°36	24°52	W 6
T 7	23 25 44	19°29'23	18°15	4°18	5°35	25°55	7°25	23°23	4°15	2°39	24° 9	26°R18	27°23	28°42	24°49	T 7
F 8	23 29 41	20°28'18	0♋14	5°56	6°20	26°36	7°26	23°18	4°13	2°40	24° 8	26°17	27°20	28°49	24°46	F 8
S 9	23 33 38	21°27'15	12°27	7°37	7° 5	27°18	7°29	23°13	4°11	2°41	24° 7	26°15	27°17	28°56	24°44	S 9
S 10	23 37 34	22°26'14	24°56	9°20	7°51	28° 0	7°31	23° 9	4° 9	2°41	24° 6	26°12	27°14	29° 2	24°41	S 10
M11	23 41 31	23°25'15	7♌46	11° 4	8°39	28°42	7°33	23° 4	4° 6	2°42	24° 4	26° 7	27°11	29° 9	24°39	M11
T 12	23 45 27	24°24'19	20°58	12°49	9°27	29°25	7°36	22°59	4° 4	2°43	24° 3	26° 2	27° 7	29°16	24°36	T 12
W13	23 49 24	25°23'25	4♍33	14°35	10°16	0♐ 7	7°39	22°55	4° 2	2°43	24° 2	25°57	27° 4	29°22	24°34	W13
T 14	23 53 20	26°22'33	18°29	16°22	11° 5	0°49	7°42	22°50	4° 0	2°44	24° 1	25°53	27° 1	29°29	24°32	T 14
F 15	23 57 17	27°21'44	2♎43	18° 9	11°56	1°32	7°45	22°45	3°58	2°44	24° 0	25°50	26°58	29°36	24°29	F 15
S 16	0 1 13	28°20'56	17° 9	19°57	12°47	2°15	7°48	22°41	3°55	2°45	23°59	25°48	26°55	29°42	24°27	S 16
S 17	0 5 10	29°20'10	1♏41	21°44	13°39	2°57	7°52	22°36	3°53	2°45	23°57	25°D48	26°51	29°49	24°25	S 17
M18	0 9 6	0♎19'27	16°14	23°31	14°32	3°40	7°56	22°31	3°51	2°46	23°56	25°49	26°48	29°56	24°22	M18
T 19	0 13 3	1°18'45	0♐44	25°18	15°25	4°23	8° 0	22°27	3°49	2°46	23°55	25°50	26°45	0♊ 2	24°20	T 19
W20	0 17 0	2°18'05	15° 5	27° 4	16°19	5° 6	8° 4	22°22	3°47	2°46	23°54	25°52	26°42	0° 9	24°18	W20
T 21	0 20 56	3°17'27	29°16	28°50	17°13	5°49	8° 8	22°17	3°45	2°47	23°53	25°R52	26°39	0°16	24°16	T 21
F 22	0 24 53	4°16'51	13♑14	0♎35	18° 8	6°32	8°12	22°13	3°43	2°47	23°51	25°52	26°36	0°22	24°14	F 22
S 23	0 28 49	5°16'16	26°59	2°20	19° 4	7°16	8°17	22° 8	3°41	2°47	23°50	25°51	26°32	0°29	24°12	S 23
S 24	0 32 46	6°15'43	10♒30	4° 4	20° 0	7°59	8°22	22° 4	3°39	2°48	23°49	25°49	26°29	0°36	24°10	S 24
M25	0 36 42	7°15'12	23°47	5°47	20°57	8°43	8°27	21°59	3°37	2°48	23°48	25°46	26°26	0°42	24° 8	M25
T 26	0 40 39	8°14'43	6♓50	7°30	21°55	9°26	8°32	21°55	3°36	2°48	23°47	25°44	26°23	0°49	24° 6	T 26
W27	0 44 35	9°14'16	19°40	9°12	22°52	10°10	8°37	21°50	3°34	2°48	23°46	25°41	26°20	0°56	24° 4	W27
T 28	0 48 32	10°13'51	2♈16	10°54	23°51	10°53	8°43	21°46	3°32	2°48	23°45	25°39	26°17	1° 2	24° 2	T 28
F 29	0 52 29	11°13'27	14°40	12°35	24°50	11°37	8°49	21°42	3°30	2°48	23°43	25°38	26°13	1° 9	24° 1	F 29
S 30	0 56 25	12♎13'06	26♈52	14♎15	25♌49	12♐21	8♑54	21♓38	3♓29	2°R48	23♓42	25°D38	26♎10	1♊16	23♒59	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6n28	4n 6	1n46	13n47	0n52	15n39	4s23	19s39	1s24	23s47	0s26	4s50	2s36	10s40	0s48	22n35	0s57	17s53	17s 4	10s11	10s42	17n17	7s30	6n 4
S 2	6 6	7 57	0 41	13 33	1 3	15 39	4 14	19 50	1 25	23 47	0 26	4 52	2 36	10 41	0 48	22 35	0 57	17 54	17 4	10 10	10 41	17 18	7 31	6 4
S 3	5 43	11 24	0s25	13 15	1 13	15 38	4 6	20 1	1 25	23 47	0 26	4 54	2 36	10 42	0 48	22 35	0 57	17 55	17 4	10 10	10 40	17 18	7 33	6 3
M 4	5 20	14 19	1 29	12 54	1 22	15 37	3 58	20 12	1 25	23 47	0 26	4 56	2 36	10 42	0 48	22 35	0 57	17 55	17 4	10 10	10 39	17 19	7 34	6 3
T 5	4 57	16 36	2 28	12 30	1 29	15 36	3 49	20 23	1 26	23 47	0 26	4 58	2 36	10 43	0 48	22 35	0 57	17 56	17 4	10 11	10 38	17 20	7 35	6 3
W 6	4 34	18 10	3 22	12 3	1 36	15 34	3 41	20 33	1 26	23 47	0 26	5 0	2 36	10 44	0 48	22 35	0 57	17 56	17 4	10 12	10 37	17 20	7 36	6 3
T 7	4 11	18 57	4 6	11 33	1 41	15 31	3 33	20 43	1 26	23 47	0 26	5 2	2 36	10 45	0 48	22 35	0 57	17 57	17 4	10 12	10 36	17 21	7 37	6 3
F 8	3 48	18 52	4 41	11 1	1 46	15 28	3 25	20 54	1 27	23 47	0 26	5 3	2 36	10 46	0 48	22 35	0 57	17 57	17 5	10 12	10 34	17 22	7 38	6 2
S 9	3 24	17 56	5 3	10 26	1 49	15 25	3 17	21 4	1 27	23 46	0 26	5 5	2 36	10 47	0 48	22 35	0 57	17 58	17 5	10 11	10 33	17 23	7 39	6 2
S 10	3 1	16 8	5 12	9 50	1 51	15 21	3 9	21 14	1 27	23 46	0 26	5 7	2 36	10 47	0 48	22 35	0 57	17 58	17 5	10 10	10 32	17 23	7 40	6 2
M11	2 37	13 29	5 6	9 11	1 53	15 17	3 1	21 23	1 27	23 46	0 26	5 9	2 36	10 48	0 48	22 35	0 57	17 59	17 5	10 8	10 31	17 24	7 41	6 2
T 12	2 14	10 6	4 44	8 31	1 53	15 12	2 53	21 33	1 28	23 46	0 26	5 11	2 36	10 49	0 48	22 35	0 57	17 59	17 5	10 6	10 30	17 25	7 42	6 2
W13	1 50	6 5	4 5	7 50	1 53	15 6	2 45	21 42	1 28	23 46	0 26	5 13	2 36	10 50	0 48	22 35	0 57	18 0	17 5	10 4	10 29	17 25	7 43	6 1
T 14	1 27	1 39	3 11	7 8	1 52	15 1	2 37	21 52	1 28	23 46	0 26	5 15	2 36	10 50	0 48	22 35	0 57	18 0	17 5	10 3	10 28	17 26	7 44	6 1
F 15	1 3	2s58	2 3	6 24	1 51	14 54	2 30	22 1	1 28	23 46	0 26	5 17	2 36	10 51	0 48	22 35	0 57	18 0	17 5	10 2	10 26	17 27	7 45	6 1
S 16	0 40	7 30	0 47	5 40	1 49	14 47	2 22	22 9	1 29	23 46	0 26	5 19	2 36	10 52	0 48	22 35	0 57	18 1	17 5	10 1	10 25	17 27	7 46	6 1
S 17	0 16	11 37	0n32	4 55	1 46	14 40	2 14	22 18	1 29	23 45	0 26	5 20	2 36	10 53	0 48	22 35	0 57	18 1	17 5	10 1	10 24	17 28	7 47	6 0
M18	0s 8	15 1	1 50	4 10	1 43	14 32	2 7	22 27	1 29	23 45	0 26	5 22	2 36	10 54	0 48	22 35	0 57	18 2	17 5	10 1	10 23	17 29	7 48	6 0
T 19	0 31	17 27	3 1	3 24	1 40	14 23	2 0	22 35	1 29	23 45	0 26	5 24	2 36	10 54	0 48	22 35	0 57	18 2	17 4	10 2	10 22	17 29	7 49	6 0
W20	0 55	18 45	3 59	2 38	1 36	14 14	1 52	22 43	1 29	23 45	0 26	5 26	2 36	10 55	0 48	22 35	0 57	18 3	17 4	10 2	10 21	17 30	7 50	5 59
T 21	1 19	18 51	4 42	1 52	1 31	14 5	1 45	22 51	1 29	23 45	0 26	5 28	2 36	10 56	0 48	22 34	0 57	18 3	17 4	10 3	10 20	17 31	7 51	5 59
F 22	1 43	17 47	5 8	1 5	1 27	13 55	1 38	22 59	1 30	23 44	0 26	5 30	2 36	10 56	0 48	22 34	0 57	18 3	17 4	10 3	10 18	17 31	7 52	5 59
S 23	2 6	15 42	5 15	0 19	1 22	13 44	1 31	23 6	1 30	23 44	0 26	5 31	2 36	10 57	0 48	22 34	0 57	18 4	17 4	10 2	10 17	17 32	7 53	5 59
S 24	2 30	12 48	5 5	0s27	1 16	13 33	1 24	23 14	1 30	23 44	0 26	5 33	2 36	10 58	0 48	22 34	0 57	18 4	17 4	10 1	10 16	17 33	7 54	5 58
M25	2 54	9 16	4 39	1 14	1 11	13 22	1 17	23 21	1 30	23 44	0 26	5 35	2 36	10 58	0 48	22 34	0 57	18 5	17 4	10 0	10 15	17 33	7 55	5 58
T 26	3 17	5 22	3 58	2 0	1 5	13 10	1 10	23 28	1 30	23 43	0 27	5 37	2 36	10 59	0 48	22 34	0 57	18 5	17 4	9 59	10 14	17 34	7 55	5 58
W27	3 41	1 16	3 6	2 45	0 59	12 57	1 4	23 34	1 30	23 43	0 27	5 38	2 36	11 0	0 48	22 34	0 57	18 5	17 4	9 59	10 13	17 35	7 56	5 57
T 28	4 4	2n50	2 6	3 31	0 53	12 44	0 57	23 41	1 30	23 43	0 27	5 40	2 36	11 0	0 48	22 34	0 57	18 6	17 4	9 58	10 11	17 35	7 57	5 57
F 29	4 28	6 44	1 0	4 16	0 47	12 31	0 51	23 47	1 30	23 42	0 27	5 42	2 36	11 1	0 48	22 34	0 57	18 6	17 4	9 57	10 10	17 36	7 58	5 57
S 30	4s51	10n18	0s 7	5s 1	0n41	12n17	0s44	23s53	1s31	23s42	0s27	5s43	2s36	11s 2	0s48	22n34	0s57	18s 6	17s 4	9s57	10s 9	17n37	7s59	5n56

Julian Day Number = 2116866.5, Delta T = 18m37s
Ecliptic obliquity = 23°33'21, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°57'59, Lahiri = 11°04'59 Julian Calendar 1 Sept. 1083 == Greg. Calendar 7 Sept. 1083

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1083
geocentric

OCTOBER 1083 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 0 22	13♎12'47	8♉54	15♎55	26♌49	13♐ 5	9♑ 0	21°R33	3°R27	2°R48	23°R41	25♎38	26♎ 7	1♊22	23°R57	S 1
M 2	1 4 18	14°12'30	20°49	17°34	27°49	13°49	9° 7	21♓29	3♓25	2♋48	23♓40	25°39	26° 4	1°29	23♒56	M 2
T 3	1 8 15	15°12'16	2♊39	19°12	28°50	14°33	9°13	21°25	3°24	2°48	23°39	25°40	26° 1	1°36	23°54	T 3
W 4	1 12 11	16°12'03	14°28	20°50	29°51	15°17	9°19	21°21	3°22	2°48	23°38	25°41	25°57	1°42	23°53	W 4
T 5	1 16 8	17°11'53	26°19	22°27	0♍52	16° 2	9°26	21°17	3°20	2°48	23°37	25°42	25°54	1°49	23°51	T 5
F 6	1 20 4	18°11'45	8♋18	24° 3	1°54	16°46	9°33	21°13	3°19	2°48	23°36	25°43	25°51	1°56	23°50	F 6
S 7	1 24 1	19°11'40	20°28	25°40	2°56	17°30	9°40	21° 9	3°18	2°48	23°35	25°R43	25°48	2° 2	23°49	S 7
S 8	1 27 58	20°11'36	2♌54	27°15	3°59	18°15	9°47	21° 5	3°16	2°47	23°34	25°43	25°45	2° 9	23°47	S 8
M 9	1 31 54	21°11'35	15°40	28°50	5° 2	18°59	9°54	21° 2	3°15	2°47	23°33	25°42	25°42	2°16	23°46	M 9
T 10	1 35 51	22°11'36	28°51	0♏25	6° 5	19°44	10° 1	20°58	3°13	2°47	23°32	25°42	25°38	2°22	23°45	T 10
W11	1 39 47	23°11'39	12♍27	1°59	7° 9	20°29	10° 9	20°54	3°12	2°46	23°31	25°42	25°35	2°29	23°44	W11
T 12	1 43 44	24°11'44	26°29	3°32	8°13	21°14	10°17	20°51	3°11	2°46	23°30	25°41	25°32	2°36	23°43	T 12
F 13	1 47 40	25°11'52	10♎55	5° 6	9°18	21°58	10°25	20°47	3°10	2°46	23°29	25°41	25°29	2°42	23°42	F 13
S 14	1 51 37	26°12'01	25°39	6°38	10°22	22°43	10°33	20°44	3° 8	2°45	23°28	25°41	25°26	2°49	23°41	S 14
S 15	1 55 33	27°12'12	10♏35	8°11	11°27	23°28	10°41	20°41	3° 7	2°45	23°27	25°41	25°22	2°56	23°40	S 15
M16	1 59 30	28°12'25	25°35	9°42	12°32	24°13	10°49	20°37	3° 6	2°44	23°26	25°41	25°19	3° 2	23°39	M16
T 17	2 3 26	29°12'40	10♐29	11°14	13°38	24°59	10°57	20°34	3° 5	2°44	23°25	25°41	25°16	3° 9	23°38	T 17
W18	2 7 23	0♏12'56	25°12	12°45	14°44	25°44	11° 6	20°31	3° 4	2°43	23°24	25°40	25°13	3°16	23°38	W18
T 19	2 11 20	1°13'14	9♑37	14°16	15°50	26°29	11°15	20°28	3° 3	2°42	23°23	25°40	25°10	3°22	23°37	T 19
F 20	2 15 16	2°13'34	23°42	15°46	16°56	27°14	11°24	20°25	3° 2	2°42	23°22	25°40	25° 7	3°29	23°37	F 20
S 21	2 19 13	3°13'55	7♒24	17°16	18° 2	28° 0	11°32	20°22	3° 2	2°41	23°21	25°D40	25° 3	3°36	23°36	S 21
S 22	2 23 9	4°14'17	20°46	18°45	19° 9	28°45	11°42	20°20	3° 1	2°40	23°20	25°40	25° 0	3°42	23°36	S 22
M23	2 27 6	5°14'41	3♓48	20°14	20°16	29°31	11°51	20°17	3° 0	2°40	23°20	25°41	24°57	3°49	23°35	M23
T 24	2 31 2	6°15'06	16°33	21°43	21°23	0♑16	12° 0	20°15	2°59	2°39	23°19	25°42	24°54	3°56	23°35	T 24
W25	2 34 59	7°15'32	29° 3	23°11	22°31	1° 2	12°10	20°12	2°59	2°38	23°18	25°43	24°51	4° 2	23°35	W25
T 26	2 38 55	8°16'00	11♈22	24°38	23°38	1°47	12°19	20°10	2°58	2°37	23°17	25°44	24°48	4° 9	23°34	T 26
F 27	2 42 52	9°16'30	23°31	26° 5	24°46	2°33	12°29	20° 7	2°57	2°36	23°16	25°R44	24°44	4°16	23°34	F 27
S 28	2 46 49	10°17'01	5♉32	27°32	25°54	3°19	12°39	20° 5	2°57	2°36	23°16	25°44	24°41	4°22	23°34	S 28
S 29	2 50 45	11°17'34	17°27	28°58	27° 3	4° 4	12°49	20° 3	2°56	2°35	23°15	25°43	24°38	4°29	23°D34	S 29
M30	2 54 42	12°18'08	29°18	0♐23	28°11	4°50	12°59	20° 1	2°56	2°34	23°14	25°41	24°35	4°36	23°34	M30
T 31	2 58 38	13♏18'44	11♊ 8	1♐47	29♍20	5♑36	13♑ 9	19♓59	2♓56	2♋33	23♓14	25♎38	24♎32	4♊42	23♒34	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s14	13n23	1s13	5s46	0n34	12n 2	0s38	23s59	1s31	23s42	0s27	5s45	2s36	11s 2	0s48	22n34	0s57	18s 7	17s 3	9s58	10s 8	17n37	8s 0	5n56
M 2	5 38	15 52	2 15	6 30	0 28	11 47	0 32	24 4	1 31	23 41	0 27	5 46	2 36	11 3	0 48	22 34	0 57	18 7	17 3	9 58	10 7	17 38	8 1	5 56
T 3	6 1	17 40	3 11	7 13	0 21	11 32	0 26	24 9	1 31	23 41	0 27	5 48	2 35	11 3	0 48	22 34	0 57	18 7	17 3	9 58	10 6	17 39	8 1	5 55
W 4	6 24	18 41	3 59	7 57	0 15	11 16	0 20	24 15	1 31	23 40	0 27	5 49	2 35	11 4	0 48	22 34	0 57	18 8	17 3	9 59	10 4	17 39	8 2	5 55
T 5	6 47	18 53	4 37	8 39	0 8	11 0	0 14	24 19	1 31	23 40	0 27	5 51	2 35	11 4	0 48	22 34	0 57	18 8	17 3	9 59	10 3	17 40	8 3	5 55
F 6	7 10	18 15	5 3	9 21	0 1	10 43	0 8	24 24	1 31	23 39	0 27	5 52	2 35	11 5	0 48	22 34	0 57	18 8	17 3	9 59	10 2	17 40	8 4	5 54
S 7	7 33	16 46	5 16	10 3	0s 6	10 26	0 3	24 28	1 31	23 39	0 27	5 54	2 35	11 5	0 48	22 34	0 57	18 9	17 3	9 59	10 1	17 41	8 5	5 54
S 8	7 56	14 29	5 15	10 44	0 12	10 8	0n 3	24 32	1 31	23 38	0 27	5 55	2 35	11 6	0 48	22 34	0 58	18 9	17 2	9 59	10 0	17 42	8 5	5 54
M 9	8 18	11 27	4 59	11 25	0 19	9 50	0 8	24 36	1 31	23 38	0 27	5 57	2 35	11 6	0 48	22 34	0 58	18 9	17 2	9 59	9 59	17 42	8 6	5 53
T 10	8 41	7 46	4 26	12 4	0 26	9 32	0 13	24 40	1 31	23 37	0 27	5 58	2 35	11 7	0 48	22 34	0 58	18 9	17 2	9 59	9 57	17 43	8 7	5 53
W11	9 3	3 34	3 38	12 43	0 32	9 13	0 18	24 43	1 31	23 37	0 27	5 59	2 35	11 7	0 48	22 34	0 58	18 10	17 2	9 59	9 56	17 43	8 7	5 53
T 12	9 26	0s58	2 35	13 22	0 39	8 53	0 24	24 46	1 31	23 36	0 27	6 1	2 34	11 8	0 48	22 34	0 58	18 10	17 2	9 59	9 55	17 44	8 8	5 52
F 13	9 48	5 35	1 21	14 0	0 45	8 34	0 28	24 49	1 31	23 36	0 27	6 2	2 34	11 8	0 48	22 34	0 58	18 10	17 2	9 59	9 54	17 45	8 9	5 52
S 14	10 10	9 58	0 0	14 37	0 52	8 14	0 33	24 52	1 31	23 35	0 27	6 3	2 34	11 8	0 48	22 34	0 58	18 10	17 1	9 59	9 53	17 45	8 9	5 52
S 15	10 32	13 46	1n22	15 13	0 58	7 53	0 38	24 54	1 31	23 34	0 27	6 4	2 34	11 9	0 48	22 34	0 58	18 11	17 1	9 59	9 52	17 46	8 10	5 51
M16	10 53	16 41	2 39	15 49	1 5	7 33	0 43	24 56	1 30	23 34	0 27	6 5	2 34	11 9	0 48	22 34	0 58	18 11	17 1	9 59	9 51	17 46	8 11	5 51
T 17	11 15	18 26	3 44	16 24	1 11	7 12	0 47	24 58	1 30	23 33	0 27	6 6	2 34	11 10	0 47	22 34	0 58	18 11	17 1	9 58	9 49	17 47	8 11	5 50
W18	11 36	18 54	4 34	16 58	1 17	6 50	0 52	24 59	1 30	23 33	0 27	6 8	2 34	11 10	0 47	22 34	0 58	18 11	17 1	9 58	9 48	17 48	8 12	5 50
T 19	11 57	18 8	5 5	17 31	1 23	6 28	0 56	25 1	1 30	23 32	0 27	6 9	2 33	11 10	0 47	22 34	0 58	18 11	17 0	9 58	9 47	17 48	8 12	5 50
F 20	12 18	16 15	5 17	18 3	1 29	6 6	1 0	25 2	1 30	23 31	0 27	6 10	2 33	11 10	0 47	22 34	0 58	18 11	17 0	9 58	9 46	17 49	8 13	5 49
S 21	12 39	13 30	5 11	18 35	1 34	5 44	1 4	25 2	1 30	23 30	0 27	6 11	2 33	11 11	0 47	22 34	0 58	18 12	17 0	9 58	9 45	17 49	8 13	5 49
S 22	13 0	10 6	4 48	19 5	1 40	5 21	1 8	25 3	1 30	23 30	0 27	6 11	2 33	11 11	0 47	22 34	0 58	18 12	17 0	9 58	9 44	17 50	8 14	5 49
M23	13 20	6 17	4 10	19 35	1 45	4 58	1 12	25 3	1 30	23 29	0 27	6 12	2 33	11 11	0 47	22 34	0 58	18 12	16 59	9 58	9 42	17 50	8 14	5 48
T 24	13 40	2 15	3 21	20 3	1 50	4 35	1 15	25 3	1 29	23 28	0 27	6 13	2 33	11 11	0 47	22 34	0 58	18 12	16 59	9 59	9 41	17 51	8 15	5 48
W25	14 0	1n48	2 23	20 31	1 55	4 11	1 19	25 2	1 29	23 27	0 27	6 14	2 32	11 12	0 47	22 34	0 58	18 12	16 59	9 59	9 40	17 51	8 15	5 47
T 26	14 20	5 44	1 19	20 57	2 0	3 48	1 22	25 2	1 29	23 26	0 28	6 15	2 32	11 12	0 47	22 34	0 58	18 12	16 59	9 59	9 39	17 52	8 16	5 47
F 27	14 39	9 22	0 12	21 23	2 4	3 24	1 25	25 1	1 29	23 25	0 28	6 15	2 32	11 12	0 47	22 34	0 58	18 12	16 58	10 0	9 38	17 53	8 16	5 47
S 28	14 58	12 35	0s54	21 47	2 8	2 59	1 29	25 0	1 29	23 25	0 28	6 16	2 32	11 12	0 47	22 34	0 58	18 12	16 58	9 59	9 36	17 53	8 17	5 46
S 29	15 17	15 15	1 57	22 10	2 12	2 35	1 32	24 58	1 29	23 24	0 28	6 17	2 32	11 12	0 47	22 34	0 58	18 12	16 58	9 59	9 35	17 54	8 17	5 46
M30	15 36	17 15	2 55	22 32	2 16	2 10	1 35	24 56	1 28	23 23	0 28	6 17	2 31	11 12	0 47	22 34	0 58	18 12	16 58	9 58	9 34	17 54	8 17	5 45
T 31	15s55	18n30	3s45	22s53	2s19	1n45	1n37	24s54	1s28	23s22	0s28	6s18	2s31	11s13	0s47	22n34	0s58	18s12	16s57	9s57	9s33	17n55	8s18	5n45

Julian Day Number = 2116896.5, Delta T = 18m36s
Ecliptic obliquity = 23°33'21, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°58'03, Lahiri = 11°05'03 Julian Calendar 1 Oct. 1083 == Greg. Calendar 7 Oct. 1083

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1083
geocentric

NOVEMBER 1083 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 2 35	14♏19'21	22♊58	3♐11	0♎29	6♑22	13♑19	19°R58	2°R55	2°R32	23°R13	25°R35	24♎28	4♊49	23♒34	W 1
T 2	3 6 31	15°20'01	4♋50	4°33	1°38	7° 8	13°30	19♓56	2♓55	2♋31	23♓12	25♎32	24°25	4°56	23°35	T 2
F 3	3 10 28	16°20'41	16°49	5°55	2°47	7°54	13°40	19°54	2°55	2°30	23°12	25°29	24°22	5° 2	23°35	F 3
S 4	3 14 24	17°21'24	28°58	7°15	3°56	8°40	13°51	19°53	2°55	2°29	23°11	25°27	24°19	5° 9	23°35	S 4
S 5	3 18 21	18°22'08	11♌21	8°34	5° 6	9°26	14° 1	19°52	2°55	2°28	23°10	25°25	24°16	5°16	23°36	S 5
M 6	3 22 18	19°22'54	24° 1	9°51	6°16	10°12	14°12	19°50	2°55	2°26	23°10	25°D25	24°13	5°23	23°36	M 6
T 7	3 26 14	20°23'41	7♍ 3	11° 7	7°26	10°58	14°23	19°49	2°D55	2°25	23° 9	25°26	24° 9	5°29	23°37	T 7
W 8	3 30 11	21°24'30	20°30	12°21	8°36	11°44	14°34	19°48	2°55	2°24	23° 9	25°28	24° 6	5°36	23°37	W 8
T 9	3 34 7	22°25'21	4♎25	13°32	9°46	12°31	14°45	19°47	2°55	2°23	23° 8	25°29	24° 3	5°43	23°38	T 9
F 10	3 38 4	23°26'13	18°47	14°40	10°56	13°17	14°56	19°46	2°55	2°22	23° 8	25°R30	24° 0	5°49	23°39	F 10
S 11	3 42 0	24°27'06	3♏33	15°46	12° 7	14° 3	15° 8	19°46	2°55	2°20	23° 7	25°30	23°57	5°56	23°39	S 11
S 12	3 45 57	25°28'01	18°38	16°48	13°17	14°50	15°19	19°45	2°55	2°19	23° 7	25°29	23°54	6° 3	23°40	S 12
M13	3 49 53	26°28'57	3♐53	17°46	14°28	15°36	15°31	19°45	2°56	2°18	23° 6	25°26	23°50	6° 9	23°41	M13
T 14	3 53 50	27°29'54	19° 8	18°39	15°39	16°22	15°42	19°44	2°56	2°17	23° 6	25°21	23°47	6°16	23°42	T 14
W15	3 57 47	28°30'52	4♑12	19°27	16°50	17° 9	15°54	19°44	2°56	2°15	23° 5	25°16	23°44	6°23	23°43	W15
T 16	4 1 43	29°31'51	18°56	20° 9	18° 1	17°55	16° 6	19°44	2°57	2°14	23° 5	25°11	23°41	6°29	23°44	T 16
F 17	4 5 40	0♐32'51	3♒16	20°44	19°12	18°42	16°18	19°D44	2°57	2°12	23° 5	25° 7	23°38	6°36	23°45	F 17
S 18	4 9 36	1°33'52	17° 7	21°12	20°24	19°28	16°30	19°44	2°58	2°11	23° 4	25° 5	23°34	6°43	23°47	S 18
S 19	4 13 33	2°34'53	0♓31	21°32	21°35	20°15	16°42	19°44	2°59	2°10	23° 4	25°D 4	23°31	6°49	23°48	S 19
M20	4 17 29	3°35'54	13°29	21°42	22°47	21° 2	16°54	19°44	2°59	2° 8	23° 4	25° 4	23°28	6°56	23°49	M20
T 21	4 21 26	4°36'56	26° 6	21°R42	23°58	21°48	17° 6	19°44	3° 0	2° 7	23° 3	25° 5	23°25	7° 3	23°50	T 21
W22	4 25 22	5°37'59	8♈26	21°31	25°10	22°35	17°18	19°45	3° 1	2° 5	23° 3	25° 7	23°22	7° 9	23°52	W22
T 23	4 29 19	6°39'02	20°33	21° 9	26°22	23°21	17°31	19°46	3° 2	2° 4	23° 3	25°R 8	23°19	7°16	23°53	T 23
F 24	4 33 16	7°40'06	2♉31	20°35	27°34	24° 8	17°43	19°46	3° 2	2° 2	23° 3	25° 8	23°15	7°23	23°55	F 24
S 25	4 37 12	8°41'11	14°24	19°50	28°46	24°55	17°55	19°47	3° 3	2° 1	23° 3	25° 6	23°12	7°29	23°56	S 25
S 26	4 41 9	9°42'16	26°14	18°54	29°58	25°41	18° 8	19°48	3° 4	1°59	23° 3	25° 1	23° 9	7°36	23°58	S 26
M27	4 45 5	10°43'22	8♊ 4	17°49	1♏10	26°28	18°21	19°49	3° 5	1°58	23° 2	24°55	23° 6	7°43	24° 0	M27
T 28	4 49 2	11°44'28	19°55	16°35	2°23	27°15	18°33	19°50	3° 6	1°56	23° 2	24°47	23° 3	7°50	24° 2	T 28
W29	4 52 58	12°45'35	1♋49	15°16	3°35	28° 2	18°46	19°51	3° 8	1°55	23° 2	24°37	23° 0	7°56	24° 3	W29
T 30	4 56 55	13♐46'43	13♋48	13♐54	4♏47	28♑48	18♑59	19♓53	3♓ 9	1♋53	23♓ 2	24♎27	22♎56	8♊ 3	24♒ 5	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16s13	18n57	4s26	23s13	2s22	1n20	1n40	24s52	1s28	23s21	0s28	6s18	2s31	11s13	0s47	22n34	0s58	18s12	16s57	9s56	9s32	17n55	8s18	5n45
T 2	16 31	18 33	4 55	23 31	2 24	0 55	1 43	24 49	1 28	23 20	0 28	6 19	2 31	11 13	0 47	22 34	0 58	18 12	16 57	9 55	9 31	17 56	8 18	5 44
F 3	16 48	17 20	5 12	23 48	2 26	0 30	1 45	24 46	1 28	23 19	0 28	6 19	2 31	11 13	0 47	22 34	0 58	18 12	16 56	9 54	9 29	17 56	8 19	5 44
S 4	17 6	15 20	5 15	24 3	2 28	0 4	1 48	24 43	1 27	23 18	0 28	6 20	2 30	11 13	0 47	22 34	0 58	18 12	16 56	9 53	9 28	17 57	8 19	5 44
S 5	17 23	12 36	5 3	24 18	2 29	0s21	1 50	24 40	1 27	23 17	0 28	6 20	2 30	11 13	0 47	22 34	0 58	18 12	16 56	9 53	9 27	17 57	8 19	5 43
M 6	17 40	9 13	4 37	24 30	2 30	0 47	1 52	24 36	1 27	23 15	0 28	6 20	2 30	11 13	0 47	22 34	0 58	18 12	16 56	9 53	9 26	17 58	8 19	5 43
T 7	17 56	5 19	3 56	24 41	2 30	1 13	1 54	24 32	1 26	23 14	0 28	6 21	2 30	11 13	0 47	22 34	0 58	18 12	16 55	9 53	9 25	17 58	8 19	5 42
W 8	18 12	1 1	3 1	24 51	2 29	1 39	1 56	24 28	1 26	23 13	0 28	6 21	2 30	11 13	0 47	22 34	0 58	18 12	16 55	9 54	9 24	17 59	8 20	5 42
T 9	18 28	3s30	1 53	24 59	2 28	2 5	1 58	24 23	1 26	23 12	0 28	6 21	2 29	11 13	0 47	22 34	0 58	18 12	16 55	9 54	9 22	17 59	8 20	5 42
F 10	18 43	7 58	0 37	25 5	2 26	2 31	1 59	24 19	1 26	23 11	0 28	6 21	2 29	11 12	0 47	22 34	0 58	18 12	16 54	9 55	9 21	18 0	8 20	5 41
S 11	18 59	12 4	0n44	25 10	2 23	2 58	2 1	24 13	1 25	23 9	0 28	6 21	2 29	11 12	0 47	22 34	0 58	18 12	16 54	9 55	9 20	18 0	8 20	5 41
S 12	19 13	15 28	2 3	25 12	2 19	3 24	2 2	24 8	1 25	23 8	0 28	6 21	2 29	11 12	0 46	22 34	0 58	18 12	16 54	9 54	9 19	18 1	8 20	5 40
M13	19 28	17 50	3 15	25 14	2 15	3 50	2 3	24 2	1 25	23 7	0 28	6 21	2 29	11 12	0 46	22 34	0 58	18 12	16 53	9 53	9 18	18 1	8 20	5 40
T 14	19 42	18 55	4 12	25 13	2 9	4 16	2 5	23 56	1 24	23 6	0 28	6 21	2 28	11 12	0 46	22 34	0 58	18 11	16 53	9 51	9 17	18 2	8 20	5 40
W15	19 56	18 38	4 51	25 10	2 3	4 43	2 6	23 50	1 24	23 4	0 28	6 21	2 28	11 12	0 46	22 34	0 58	18 11	16 53	9 49	9 15	18 2	8 20	5 39
T 16	20 9	17 5	5 10	25 6	1 55	5 9	2 7	23 44	1 24	23 3	0 28	6 21	2 28	11 11	0 46	22 34	0 58	18 11	16 52	9 48	9 14	18 3	8 20	5 39
F 17	20 22	14 31	5 9	24 59	1 46	5 35	2 8	23 37	1 23	23 2	0 28	6 21	2 28	11 11	0 46	22 34	0 58	18 11	16 52	9 46	9 13	18 3	8 20	5 39
S 18	20 34	11 11	4 49	24 51	1 35	6 2	2 8	23 30	1 23	23 0	0 28	6 21	2 27	11 11	0 46	22 34	0 58	18 11	16 52	9 45	9 12	18 4	8 20	5 38
S 19	20 47	7 23	4 15	24 40	1 24	6 28	2 9	23 23	1 23	22 59	0 28	6 20	2 27	11 11	0 46	22 34	0 58	18 11	16 51	9 45	9 11	18 4	8 20	5 38
M20	20 58	3 20	3 27	24 28	1 11	6 54	2 9	23 15	1 22	22 57	0 29	6 20	2 27	11 10	0 46	22 34	0 58	18 10	16 51	9 45	9 9	18 5	8 20	5 37
T 21	21 10	0n46	2 32	24 14	0 56	7 20	2 10	23 8	1 22	22 56	0 29	6 20	2 27	11 10	0 46	22 34	0 58	18 10	16 51	9 45	9 8	18 5	8 20	5 37
W22	21 21	4 44	1 30	23 57	0 40	7 46	2 10	23 0	1 21	22 54	0 29	6 19	2 26	11 10	0 46	22 34	0 58	18 10	16 50	9 46	9 7	18 6	8 20	5 37
T 23	21 32	8 27	0 25	23 38	0 23	8 12	2 10	22 51	1 21	22 53	0 29	6 19	2 26	11 10	0 46	22 34	0 58	18 10	16 50	9 46	9 6	18 6	8 20	5 36
F 24	21 42	11 47	0s40	23 18	0 5	8 38	2 11	22 43	1 21	22 51	0 29	6 18	2 26	11 9	0 46	22 34	0 58	18 10	16 50	9 46	9 5	18 7	8 20	5 36
S 25	21 51	14 36	1 43	22 55	0n15	9 3	2 11	22 34	1 20	22 49	0 29	6 18	2 26	11 9	0 46	22 34	0 58	18 9	16 49	9 46	9 4	18 7	8 19	5 36
S 26	22 1	16 48	2 40	22 31	0 35	9 29	2 10	22 25	1 20	22 48	0 29	6 17	2 26	11 8	0 46	22 34	0 58	18 9	16 49	9 44	9 2	18 7	8 19	5 35
M27	22 10	18 17	3 31	22 5	0 55	9 54	2 10	22 16	1 19	22 46	0 29	6 17	2 25	11 8	0 46	22 34	0 58	18 9	16 48	9 42	9 1	18 8	8 19	5 35
T 28	22 18	18 59	4 12	21 38	1 15	10 19	2 10	22 6	1 19	22 44	0 29	6 16	2 25	11 8	0 46	22 34	0 58	18 8	16 48	9 38	9 0	18 8	8 19	5 34
W29	22 26	18 50	4 43	21 10	1 35	10 44	2 10	21 56	1 19	22 43	0 29	6 15	2 25	11 7	0 46	22 34	0 58	18 8	16 48	9 35	8 59	18 9	8 19	5 34
T 30	22s34	17n50	5s 1	20s43	1n53	11s 9	2n 9	21s46	1s18	22s41	0s29	6s14	2s25	11s 7	0s46	22n34	0s58	18s 8	16s47	9s31	8s58	18n 9	8s18	5n34

Julian Day Number = 2116927.5, Delta T = 18m36s
Ecliptic obliquity = 23°33'20, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°58'07, Lahiri = 11°05'08 Julian Calendar 1 Nov. 1083 == Greg. Calendar 7 Nov. 1083

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1083
geocentric

DECEMBER 1083 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 0 51	14♐47'51	25♋53	12°R31	6♏ 0	29♑35	19♑12	19♓54	3♓10	1°R51	23°R 2	24°R18	22♎53	8♊10	24♒ 7	F 1
S 2	5 4 48	15°49'00	8♌ 6	11♐11	7°13	0♒22	19°25	19°56	3°11	1♋50	23°D 2	24♎10	22°50	8°16	24° 9	S 2
S 3	5 8 45	16°50'10	20°30	9°56	8°25	1° 9	19°38	19°57	3°13	1°48	23♓ 2	24° 4	22°47	8°23	24°11	S 3
M 4	5 12 41	17°51'20	3♍ 9	8°48	9°38	1°56	19°51	19°59	3°14	1°46	23° 2	24° 0	22°44	8°30	24°13	M 4
T 5	5 16 38	18°52'31	16° 5	7°48	10°51	2°42	20° 4	20° 1	3°15	1°45	23° 2	23°D59	22°40	8°36	24°16	T 5
W 6	5 20 34	19°53'42	29°22	6°59	12° 4	3°29	20°17	20° 3	3°17	1°43	23° 2	23°59	22°37	8°43	24°18	W 6
T 7	5 24 31	20°54'54	13♎ 3	6°20	13°17	4°16	20°30	20° 5	3°18	1°42	23° 2	24° 0	22°34	8°50	24°20	T 7
F 8	5 28 27	21°56'07	27°10	5°51	14°30	5° 3	20°44	20° 7	3°20	1°40	23° 3	24°R 1	22°31	8°56	24°22	F 8
S 9	5 32 24	22°57'20	11♏43	5°34	15°43	5°50	20°57	20°10	3°21	1°38	23° 3	23°59	22°28	9° 3	24°25	S 9
S 10	5 36 20	23°58'33	26°38	5°D26	16°56	6°36	21°10	20°12	3°23	1°37	23° 3	23°56	22°25	9°10	24°27	S 10
M11	5 40 17	24°59'47	11♐48	5°28	18° 9	7°23	21°24	20°15	3°25	1°35	23° 3	23°49	22°21	9°16	24°29	M11
T 12	5 44 14	26° 1'01	27° 5	5°38	19°22	8°10	21°37	20°17	3°27	1°33	23° 3	23°40	22°18	9°23	24°32	T 12
W13	5 48 10	27° 2'16	12♑17	5°57	20°36	8°57	21°51	20°20	3°28	1°31	23° 4	23°30	22°15	9°30	24°34	W13
T 14	5 52 7	28° 3'30	27°13	6°23	21°49	9°44	22° 5	20°23	3°30	1°30	23° 4	23°20	22°12	9°36	24°37	T 14
F 15	5 56 3	29° 4'43	11♒46	6°56	23° 2	10°31	22°18	20°26	3°32	1°28	23° 4	23°11	22° 9	9°43	24°40	F 15
S 16	6 0 0	0♑ 5'57	25°49	7°35	24°16	11°18	22°32	20°29	3°34	1°26	23° 5	23° 4	22° 6	9°50	24°42	S 16
S 17	6 3 56	1° 7'10	9♓21	8°19	25°29	12° 4	22°46	20°32	3°36	1°25	23° 5	22°59	22° 2	9°57	24°45	S 17
M18	6 7 53	2° 8'22	22°25	9° 7	26°43	12°51	22°59	20°35	3°38	1°23	23° 5	22°57	21°59	10° 3	24°48	M18
T 19	6 11 50	3° 9'34	5♈ 4	10° 0	27°56	13°38	23°13	20°38	3°40	1°21	23° 6	22°D57	21°56	10°10	24°51	T 19
W20	6 15 46	4°10'46	17°22	10°57	29°10	14°25	23°27	20°42	3°42	1°20	23° 6	22°R57	21°53	10°17	24°54	W20
T 21	6 19 43	5°11'57	29°26	11°57	0♐23	15°12	23°41	20°45	3°44	1°18	23° 7	22°57	21°50	10°23	24°56	T 21
F 22	6 23 39	6°13'08	11♉20	13° 0	1°37	15°59	23°55	20°49	3°46	1°16	23° 7	22°55	21°46	10°30	24°59	F 22
S 23	6 27 36	7°14'18	23° 9	14° 6	2°51	16°45	24° 9	20°53	3°49	1°14	23° 7	22°51	21°43	10°37	25° 2	S 23
S 24	6 31 32	8°15'27	4♊57	15°15	4° 4	17°32	24°23	20°56	3°51	1°13	23° 8	22°44	21°40	10°43	25° 5	S 24
M25	6 35 29	9°16'36	16°48	16°25	5°18	18°19	24°37	21° 0	3°53	1°11	23° 9	22°35	21°37	10°50	25° 8	M25
T 26	6 39 25	10°17'44	28°43	17°38	6°32	19° 6	24°51	21° 4	3°55	1° 9	23° 9	22°22	21°34	10°57	25°11	T 26
W27	6 43 22	11°18'52	10♋44	18°52	7°46	19°53	25° 5	21° 8	3°58	1° 8	23°10	22° 8	21°31	11° 3	25°15	W27
T 28	6 47 19	12°19'59	22°53	20° 8	9° 0	20°39	25°19	21°13	4° 0	1° 6	23°10	21°53	21°27	11°10	25°18	T 28
F 29	6 51 15	13°21'06	5♌ 9	21°25	10°13	21°26	25°33	21°17	4° 3	1° 4	23°11	21°40	21°24	11°17	25°21	F 29
S 30	6 55 12	14°22'12	17°35	22°44	11°27	22°13	25°47	21°21	4° 5	1° 3	23°11	21°27	21°21	11°24	25°24	S 30
S 31	6 59 8	15♑23'18	0♍11	24♐ 4	12♐41	22♒59	26♑ 1	21♓25	4♓ 8	1♋ 1	23♓12	21♎18	21♎18	11♊30	25♒27	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s41	16n 3	5s 6	20s16	2n 9	11s34	2n 9	21s36	1s18	22s39	0s29	6s14	2s24	11s 6	0s46	22n34	0s58	18s 8	16s47	9s28	8s56	18n10	8s18	5n33
S 2	22 48	13 32	4 58	19 51	2 24	11 58	2 8	21 26	1 17	22 37	0 29	6 13	2 24	11 6	0 46	22 34	0 58	18 7	16 47	9 25	8 55	18 10	8 18	5 33
S 3	22 54	10 23	4 35	19 28	2 36	12 22	2 7	21 15	1 17	22 36	0 29	6 12	2 24	11 5	0 46	22 34	0 58	18 7	16 46	9 23	8 54	18 10	8 17	5 33
M 4	23 0	6 42	3 58	19 8	2 47	12 46	2 6	21 4	1 16	22 34	0 29	6 11	2 24	11 5	0 46	22 34	0 58	18 7	16 46	9 21	8 53	18 11	8 17	5 32
T 5	23 5	2 37	3 9	18 51	2 54	13 10	2 5	20 53	1 16	22 32	0 29	6 10	2 23	11 4	0 46	22 34	0 58	18 6	16 46	9 21	8 52	18 11	8 17	5 32
W 6	23 10	1s42	2 8	18 38	2 59	13 33	2 4	20 41	1 15	22 30	0 29	6 9	2 23	11 4	0 46	22 34	0 58	18 6	16 45	9 21	8 51	18 12	8 16	5 32
T 7	23 15	6 4	0 58	18 28	3 3	13 57	2 3	20 30	1 15	22 28	0 29	6 8	2 23	11 3	0 46	22 34	0 58	18 5	16 45	9 21	8 49	18 12	8 16	5 31
F 8	23 19	10 15	0n17	18 22	3 4	14 19	2 2	20 18	1 14	22 26	0 29	6 7	2 23	11 2	0 45	22 35	0 58	18 5	16 45	9 22	8 48	18 13	8 15	5 31
S 9	23 22	13 57	1 33	18 20	3 3	14 42	2 1	20 6	1 14	22 24	0 29	6 6	2 23	11 2	0 45	22 35	0 58	18 5	16 44	9 21	8 47	18 13	8 15	5 31
S 10	23 25	16 49	2 45	18 21	3 1	15 4	1 59	19 54	1 13	22 22	0 30	6 5	2 22	11 1	0 45	22 35	0 58	18 4	16 44	9 20	8 46	18 13	8 14	5 30
M11	23 28	18 34	3 46	18 24	2 58	15 26	1 58	19 41	1 13	22 20	0 30	6 3	2 22	11 0	0 45	22 35	0 58	18 4	16 43	9 17	8 45	18 14	8 14	5 30
T 12	23 30	19 0	4 32	18 31	2 53	15 47	1 57	19 29	1 12	22 18	0 30	6 2	2 22	11 0	0 45	22 35	0 58	18 3	16 43	9 14	8 43	18 14	8 13	5 30
W13	23 31	18 3	4 58	18 39	2 47	16 8	1 55	19 16	1 12	22 16	0 30	6 1	2 22	10 59	0 45	22 35	0 58	18 3	16 43	9 10	8 42	18 15	8 13	5 29
T 14	23 32	15 52	5 3	18 50	2 41	16 29	1 53	19 3	1 11	22 14	0 30	6 0	2 21	10 58	0 45	22 35	0 58	18 3	16 42	9 6	8 41	18 15	8 12	5 29
F 15	23 33	12 44	4 48	19 2	2 34	16 49	1 52	18 49	1 11	22 11	0 30	5 58	2 21	10 58	0 45	22 35	0 58	18 2	16 42	9 3	8 40	18 15	8 12	5 29
S 16	23 33	8 58	4 16	19 16	2 27	17 9	1 50	18 36	1 10	22 9	0 30	5 57	2 21	10 57	0 45	22 35	0 58	18 2	16 42	9 0	8 39	18 16	8 11	5 28
S 17	23 33	4 51	3 30	19 31	2 19	17 29	1 48	18 22	1 10	22 7	0 30	5 55	2 21	10 56	0 45	22 35	0 58	18 1	16 41	8 59	8 37	18 16	8 11	5 28
M18	23 32	0 39	2 35	19 47	2 10	17 48	1 46	18 8	1 9	22 5	0 30	5 54	2 21	10 55	0 45	22 35	0 58	18 1	16 41	8 58	8 36	18 16	8 10	5 28
T 19	23 31	3n27	1 34	20 3	2 2	18 6	1 44	17 54	1 9	22 3	0 30	5 52	2 20	10 55	0 45	22 35	0 58	18 0	16 41	8 58	8 35	18 17	8 9	5 28
W20	23 29	7 19	0 30	20 19	1 53	18 25	1 42	17 40	1 8	22 0	0 30	5 51	2 20	10 54	0 45	22 35	0 58	18 0	16 40	8 58	8 34	18 17	8 9	5 27
T 21	23 27	10 47	0s34	20 36	1 45	18 42	1 40	17 26	1 8	21 58	0 30	5 49	2 20	10 53	0 45	22 35	0 58	17 59	16 40	8 58	8 33	18 18	8 8	5 27
F 22	23 25	13 47	1 36	20 53	1 36	18 59	1 38	17 11	1 7	21 56	0 30	5 48	2 20	10 52	0 45	22 35	0 58	17 59	16 39	8 57	8 32	18 18	8 7	5 27
S 23	23 21	16 11	2 33	21 10	1 27	19 16	1 36	16 57	1 6	21 53	0 30	5 46	2 19	10 51	0 45	22 35	0 58	17 58	16 39	8 56	8 30	18 18	8 6	5 26
S 24	23 18	17 54	3 23	21 27	1 18	19 32	1 33	16 42	1 6	21 51	0 30	5 44	2 19	10 51	0 45	22 35	0 58	17 58	16 39	8 53	8 29	18 19	8 6	5 26
M25	23 14	18 51	4 4	21 43	1 9	19 48	1 31	16 27	1 5	21 48	0 31	5 43	2 19	10 50	0 45	22 35	0 58	17 57	16 38	8 50	8 28	18 19	8 5	5 26
T 26	23 9	18 58	4 35	21 59	1 0	20 3	1 29	16 12	1 5	21 46	0 31	5 41	2 19	10 49	0 45	22 35	0 58	17 57	16 38	8 45	8 27	18 19	8 4	5 26
W27	23 4	18 14	4 54	22 14	0 51	20 17	1 26	15 56	1 4	21 43	0 31	5 39	2 19	10 48	0 45	22 35	0 58	17 56	16 38	8 40	8 26	18 20	8 3	5 25
T 28	22 59	16 41	5 0	22 29	0 43	20 32	1 24	15 41	1 4	21 41	0 31	5 37	2 18	10 47	0 45	22 35	0 58	17 56	16 37	8 34	8 24	18 20	8 3	5 25
F 29	22 53	14 21	4 52	22 43	0 34	20 45	1 21	15 25	1 3	21 38	0 31	5 35	2 18	10 46	0 45	22 35	0 58	17 55	16 37	8 29	8 23	18 20	8 2	5 25
S 30	22 47	11 21	4 30	22 56	0 26	20 58	1 19	15 9	1 2	21 36	0 31	5 33	2 18	10 45	0 45	22 35	0 58	17 54	16 37	8 24	8 22	18 21	8 1	5 25
S 31	22s40	7n48	3s55	23s 8	0n17	21s10	1n16	14s53	1s 2	21s33	0s31	5s32	2s18	10s44	0s45	22n35	0s58	17s54	16s36	8s21	8s21	18n21	8s 0	5n24

Julian Day Number = 2116957.5, Delta T = 18m36s
Ecliptic obliquity = 23°33'20, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°58'11, Lahiri = 11°05'12 Julian Calendar 1 Dec. 1083 == Greg. Calendar 7 Dec. 1083

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1084
geocentric

JANUARY 1084 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 3 5	16♉24'23	12♍57	25♐25	13♐55	23♒46	26♉15	21♓30	4♓10	0°R59	23♓13	21°R12	21♎15	11♊37	25♒31	M 1
T 2	7 7 1	17°25'28	25°57	26°47	15° 9	24°33	26°29	21°35	4°13	0♋58	23°14	21♎ 8	21°12	11°44	25°34	T 2
W 3	7 10 58	18°26'32	9♎12	28°10	16°23	25°19	26°44	21°39	4°15	0°56	23°14	21° 7	21° 8	11°50	25°38	W 3
T 4	7 14 54	19°27'36	22°46	29°34	17°37	26° 6	26°58	21°44	4°18	0°55	23°15	21° 7	21° 5	11°57	25°41	T 4
F 5	7 18 51	20°28'39	6♏40	0♉59	18°51	26°53	27°12	21°49	4°21	0°53	23°16	21° 6	21° 2	12° 4	25°44	F 5
S 6	7 22 48	21°29'42	20°54	2°25	20° 5	27°39	27°26	21°54	4°23	0°51	23°17	21° 4	20°59	12°10	25°48	S 6
S 7	7 26 44	22°30'44	5♐29	3°52	21°19	28°26	27°40	21°59	4°26	0°50	23°17	21° 0	20°56	12°17	25°51	S 7
M 8	7 30 41	23°31'45	20°19	5°20	22°33	29°12	27°55	22° 4	4°29	0°48	23°18	20°52	20°52	12°24	25°55	M 8
T 9	7 34 37	24°32'46	5♉19	6°48	23°48	29°59	28° 9	22° 9	4°32	0°47	23°19	20°42	20°49	12°30	25°58	T 9
W10	7 38 34	25°33'46	20°18	8°17	25° 2	0♓46	28°23	22°14	4°35	0°45	23°20	20°31	20°46	12°37	26° 2	W10
T 11	7 42 30	26°34'45	5♒ 8	9°47	26°16	1°32	28°37	22°19	4°37	0°44	23°21	20°18	20°43	12°44	26° 6	T 11
F 12	7 46 27	27°35'42	19°39	11°18	27°30	2°19	28°52	22°25	4°40	0°42	23°22	20° 7	20°40	12°51	26° 9	F 12
S 13	7 50 23	28°36'38	3♓45	12°49	28°44	3° 5	29° 6	22°30	4°43	0°41	23°23	19°58	20°37	12°57	26°13	S 13
S 14	7 54 20	29°37'33	17°23	14°21	29°58	3°51	29°20	22°36	4°46	0°39	23°24	19°52	20°33	13° 4	26°17	S 14
M15	7 58 17	0♒38'27	0♈33	15°54	1♉12	4°38	29°35	22°41	4°49	0°38	23°25	19°48	20°30	13°11	26°20	M15
T 16	8 2 13	1°39'19	13°18	17°28	2°27	5°24	29°49	22°47	4°52	0°37	23°26	19°47	20°27	13°17	26°24	T 16
W17	8 6 10	2°40'10	25°40	19° 2	3°41	6°11	0♒ 3	22°52	4°55	0°35	23°27	19°D47	20°24	13°24	26°28	W17
T 18	8 10 6	3°40'59	7♉46	20°37	4°55	6°57	0°17	22°58	4°58	0°34	23°28	19°R47	20°21	13°31	26°32	T 18
F 19	8 14 3	4°41'46	19°41	22°13	6° 9	7°43	0°32	23° 4	5° 1	0°32	23°29	19°46	20°17	13°37	26°35	F 19
S 20	8 17 59	5°42'32	1♊31	23°50	7°23	8°29	0°46	23°10	5° 4	0°31	23°30	19°43	20°14	13°44	26°39	S 20
S 21	8 21 56	6°43'17	13°20	25°27	8°38	9°16	1° 0	23°16	5° 7	0°30	23°31	19°37	20°11	13°51	26°43	S 21
M22	8 25 52	7°44'00	25°13	27° 5	9°52	10° 2	1°14	23°22	5°11	0°28	23°32	19°29	20° 8	13°58	26°47	M22
T 23	8 29 49	8°44'41	7♋13	28°44	11° 6	10°48	1°29	23°28	5°14	0°27	23°33	19°18	20° 5	14° 4	26°51	T 23
W24	8 33 46	9°45'20	19°22	0♒24	12°20	11°34	1°43	23°34	5°17	0°26	23°34	19° 6	20° 2	14°11	26°55	W24
T 25	8 37 42	10°45'59	1♌42	2° 5	13°35	12°20	1°57	23°40	5°20	0°25	23°35	18°53	19°58	14°18	26°58	T 25
F 26	8 41 39	11°46'35	14°13	3°46	14°49	13° 6	2°11	23°47	5°23	0°23	23°36	18°40	19°55	14°24	27° 2	F 26
S 27	8 45 35	12°47'10	26°56	5°29	16° 3	13°52	2°25	23°53	5°27	0°22	23°37	18°29	19°52	14°31	27° 6	S 27
S 28	8 49 32	13°47'43	9♍51	7°12	17°17	14°38	2°39	23°59	5°30	0°21	23°39	18°21	19°49	14°38	27°10	S 28
M29	8 53 28	14°48'15	22°56	8°56	18°32	15°24	2°54	24° 6	5°33	0°20	23°40	18°15	19°46	14°44	27°14	M29
T 30	8 57 25	15°48'46	6♎12	10°41	19°46	16°10	3° 8	24°12	5°36	0°19	23°41	18°12	19°43	14°51	27°18	T 30
W31	9 1 21	16♒49'15	19♎39	12♒27	21♉ 0	16♓56	3♒22	24♓19	5♓40	0♋18	23♓42	18°D12	19♎39	14♊58	27♒22	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s33	3n51	3s 7	23s19	0n 9	21s22	1n14	14s37	1s 1	21s31	0s31	5s30	2s18	10s43	0s45	22n35	0s58	17s53	16s36	8s18	8s20	18n21	7s59	5n24
T 2	22 25	0s21	2 9	23 30	0 1	21 33	1 11	14 21	1 1	21 28	0 31	5 28	2 18	10 42	0 45	22 35	0 58	17 53	16 36	8 17	8 18	18 22	7 58	5 24
W 3	22 17	4 37	1 3	23 39	0s 7	21 43	1 8	14 5	1 0	21 25	0 31	5 26	2 17	10 41	0 45	22 35	0 58	17 52	16 35	8 17	8 17	18 22	7 57	5 24
T 4	22 8	8 46	0n 9	23 48	0 14	21 53	1 6	13 48	0 59	21 23	0 31	5 24	2 17	10 40	0 45	22 35	0 58	17 52	16 35	8 17	8 16	18 22	7 57	5 23
F 5	21 59	12 32	1 21	23 55	0 22	22 2	1 3	13 32	0 59	21 20	0 31	5 21	2 17	10 39	0 45	22 35	0 58	17 51	16 35	8 16	8 15	18 23	7 56	5 23
S 6	21 50	15 39	2 30	24 1	0 29	22 11	1 0	13 15	0 58	21 17	0 31	5 19	2 17	10 38	0 45	22 35	0 58	17 50	16 35	8 16	8 14	18 23	7 55	5 23
S 7	21 40	17 51	3 31	24 6	0 36	22 19	0 57	12 58	0 57	21 15	0 32	5 17	2 17	10 37	0 45	22 35	0 58	17 50	16 34	8 14	8 12	18 23	7 54	5 23
M 8	21 30	18 54	4 19	24 10	0 43	22 26	0 55	12 41	0 57	21 12	0 32	5 15	2 16	10 36	0 45	22 35	0 58	17 49	16 34	8 11	8 11	18 24	7 53	5 23
T 9	21 19	18 37	4 50	24 13	0 50	22 33	0 52	12 24	0 56	21 9	0 32	5 13	2 16	10 35	0 45	22 35	0 58	17 49	16 34	8 7	8 10	18 24	7 52	5 22
W10	21 8	17 4	5 0	24 14	0 56	22 39	0 49	12 7	0 56	21 6	0 32	5 11	2 16	10 34	0 44	22 36	0 58	17 48	16 33	8 3	8 9	18 24	7 51	5 22
T 11	20 56	14 23	4 50	24 14	1 2	22 44	0 46	11 50	0 55	21 3	0 32	5 8	2 16	10 33	0 44	22 36	0 58	17 47	16 33	7 58	8 8	18 24	7 50	5 22
F 12	20 45	10 51	4 22	24 13	1 8	22 49	0 43	11 33	0 54	21 0	0 32	5 6	2 16	10 32	0 44	22 36	0 58	17 47	16 33	7 54	8 6	18 25	7 49	5 22
S 13	20 32	6 48	3 38	24 10	1 14	22 53	0 40	11 15	0 54	20 58	0 32	5 4	2 16	10 31	0 44	22 36	0 58	17 46	16 32	7 51	8 5	18 25	7 48	5 22
S 14	20 20	2 31	2 42	24 6	1 20	22 56	0 38	10 58	0 53	20 55	0 32	5 1	2 15	10 30	0 44	22 36	0 58	17 45	16 32	7 48	8 4	18 25	7 47	5 21
M15	20 7	1n45	1 40	24 0	1 25	22 58	0 35	10 40	0 52	20 52	0 32	4 59	2 15	10 29	0 44	22 36	0 58	17 45	16 32	7 47	8 3	18 26	7 46	5 21
T 16	19 53	5 48	0 34	23 54	1 30	23 0	0 32	10 23	0 52	20 49	0 32	4 57	2 15	10 28	0 44	22 36	0 58	17 44	16 32	7 46	8 2	18 26	7 44	5 21
W17	19 40	9 29	0s31	23 45	1 34	23 1	0 29	10 5	0 51	20 46	0 32	4 54	2 15	10 26	0 44	22 36	0 58	17 43	16 31	7 46	8 0	18 26	7 43	5 21
T 18	19 25	12 41	1 34	23 35	1 39	23 2	0 26	9 47	0 50	20 43	0 33	4 52	2 15	10 25	0 44	22 36	0 57	17 43	16 31	7 46	7 59	18 26	7 42	5 21
F 19	19 11	15 19	2 32	23 24	1 43	23 2	0 23	9 29	0 50	20 40	0 33	4 49	2 15	10 24	0 44	22 36	0 57	17 42	16 31	7 46	7 58	18 27	7 41	5 21
S 20	18 56	17 16	3 22	23 11	1 47	23 1	0 20	9 11	0 49	20 37	0 33	4 47	2 15	10 23	0 44	22 36	0 57	17 41	16 30	7 45	7 57	18 27	7 40	5 20
S 21	18 41	18 28	4 4	22 57	1 50	22 59	0 17	8 53	0 48	20 34	0 33	4 44	2 14	10 22	0 44	22 36	0 57	17 41	16 30	7 43	7 56	18 27	7 39	5 20
M22	18 26	18 53	4 35	22 41	1 53	22 57	0 14	8 35	0 48	20 31	0 33	4 42	2 14	10 21	0 44	22 36	0 57	17 40	16 30	7 40	7 54	18 27	7 38	5 20
T 23	18 10	18 27	4 55	22 24	1 56	22 54	0 12	8 17	0 47	20 28	0 33	4 39	2 14	10 19	0 44	22 36	0 57	17 39	16 30	7 35	7 53	18 28	7 37	5 20
W24	17 54	17 10	5 2	22 5	1 58	22 50	0 9	7 58	0 46	20 25	0 33	4 37	2 14	10 18	0 44	22 36	0 57	17 39	16 29	7 31	7 52	18 28	7 35	5 20
T 25	17 37	15 6	4 54	21 45	2 0	22 46	0 6	7 40	0 46	20 22	0 33	4 34	2 14	10 17	0 44	22 36	0 57	17 38	16 29	7 26	7 51	18 28	7 34	5 20
F 26	17 20	12 17	4 33	21 23	2 2	22 41	0 3	7 22	0 45	20 19	0 33	4 32	2 14	10 16	0 44	22 36	0 57	17 37	16 29	7 21	7 50	18 28	7 33	5 20
S 27	17 3	8 52	3 57	20 59	2 3	22 35	0 0	7 3	0 44	20 15	0 33	4 29	2 14	10 15	0 44	22 36	0 57	17 37	16 29	7 17	7 48	18 29	7 32	5 20
S 28	16 46	5 0	3 9	20 34	2 4	22 28	0s 3	6 45	0 44	20 12	0 34	4 26	2 14	10 13	0 44	22 36	0 57	17 36	16 29	7 14	7 47	18 29	7 31	5 19
M29	16 28	0 49	2 10	20 7	2 5	22 21	0 5	6 27	0 43	20 9	0 34	4 24	2 13	10 12	0 44	22 36	0 57	17 35	16 28	7 11	7 46	18 29	7 29	5 19
T 30	16 10	3s27	1 4	19 38	2 5	22 14	0 8	6 8	0 42	20 6	0 34	4 21	2 13	10 11	0 44	22 36	0 57	17 35	16 28	7 10	7 45	18 29	7 28	5 19
W31	15s52	7s36	0n 8	19s 8	2s 4	22s 5	0s11	5s49	0s42	20s 3	0s34	4s18	2s13	10s10	0s44	22n36	0s57	17s34	16s28	7s10	7s44	18n30	7s27	5n19

Julian Day Number = 2116988.5, Delta T = 18m36s
Ecliptic obliquity = 23°33'20, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°58'16, Lahiri = 11°05'16 Julian Calendar 1 Jan. 1084 == Greg. Calendar 7 Jan. 1084

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1084
geocentric

FEBRUARY 1084 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 5 18	17♒49'43	3♏19	14♒14	22♉14	17♓42	3♒36	24♓25	5♓43	0°R17	23♓43	18♎12	19♎36	15♊ 4	27♒26	T 1
F 2	9 9 15	18°50'09	17°11	16° 2	23°29	18°27	3°50	24°32	5°46	0♋16	23°45	18°R13	19°33	15°11	27°30	F 2
S 3	9 13 11	19°50'35	1♐15	17°51	24°43	19°13	4° 4	24°38	5°50	0°15	23°46	18°12	19°30	15°18	27°34	S 3
S 4	9 17 8	20°50'58	15°32	19°41	25°57	19°59	4°18	24°45	5°53	0°14	23°47	18°10	19°27	15°25	27°38	S 4
M 5	9 21 4	21°51'21	29°59	21°31	27°12	20°45	4°32	24°52	5°56	0°13	23°48	18° 5	19°23	15°31	27°42	M 5
T 6	9 25 1	22°51'42	14♑32	23°23	28°26	21°30	4°46	24°59	6° 0	0°12	23°50	17°58	19°20	15°38	27°46	T 6
W 7	9 28 57	23°52'01	29° 5	25°15	29°40	22°16	5° 0	25° 6	6° 3	0°11	23°51	17°49	19°17	15°45	27°50	W 7
T 8	9 32 54	24°52'18	13♒31	27° 8	0♒54	23° 2	5°14	25°12	6° 6	0°10	23°52	17°40	19°14	15°51	27°54	T 8
F 9	9 36 50	25°52'34	27°44	29° 2	2° 9	23°47	5°28	25°19	6°10	0° 9	23°54	17°32	19°11	15°58	27°58	F 9
S 10	9 40 47	26°52'48	11♓38	0♓57	3°23	24°33	5°41	25°26	6°13	0° 9	23°55	17°25	19° 8	16° 5	28° 2	S 10
S 11	9 44 44	27°53'00	25°10	2°52	4°37	25°18	5°55	25°33	6°17	0° 8	23°56	17°21	19° 4	16°11	28° 6	S 11
M12	9 48 40	28°53'10	8♈19	4°47	5°52	26° 3	6° 9	25°40	6°20	0° 7	23°58	17°18	19° 1	16°18	28°10	M12
T 13	9 52 37	29°53'18	21° 4	6°43	7° 6	26°49	6°23	25°47	6°23	0° 6	23°59	17°D18	18°58	16°25	28°14	T 13
W14	9 56 33	0♓53'23	3♉30	8°39	8°20	27°34	6°36	25°55	6°27	0° 6	24° 0	17°19	18°55	16°32	28°18	W14
T 15	10 0 30	1°53'27	15°39	10°35	9°34	28°19	6°50	26° 2	6°30	0° 5	24° 2	17°20	18°52	16°38	28°22	T 15
F 16	10 4 26	2°53'28	27°37	12°30	10°49	29° 5	7° 4	26° 9	6°34	0° 5	24° 3	17°R21	18°49	16°45	28°26	F 16
S 17	10 8 23	3°53'28	9♊29	14°25	12° 3	29°50	7°17	26°16	6°37	0° 4	24° 5	17°21	18°45	16°52	28°30	S 17
S 18	10 12 19	4°53'25	21°20	16°19	13°17	0♈35	7°31	26°23	6°41	0° 3	24° 6	17°20	18°42	16°58	28°34	S 18
M19	10 16 16	5°53'19	3♋15	18°11	14°31	1°20	7°44	26°30	6°44	0° 3	24° 7	17°16	18°39	17° 5	28°38	M19
T 20	10 20 13	6°53'12	15°18	20° 2	15°46	2° 5	7°57	26°38	6°48	0° 2	24° 9	17°11	18°36	17°12	28°42	T 20
W21	10 24 9	7°53'02	27°33	21°51	17° 0	2°50	8°11	26°45	6°51	0° 2	24°10	17° 5	18°33	17°18	28°46	W21
T 22	10 28 6	8°52'50	10♌ 1	23°37	18°14	3°35	8°24	26°52	6°54	0° 2	24°12	16°58	18°29	17°25	28°50	T 22
F 23	10 32 2	9°52'36	22°46	25°20	19°28	4°20	8°37	27° 0	6°58	0° 1	24°13	16°51	18°26	17°32	28°54	F 23
S 24	10 35 59	10°52'20	5♍46	27° 0	20°43	5° 5	8°51	27° 7	7° 1	0° 1	24°15	16°45	18°23	17°39	28°58	S 24
S 25	10 39 55	11°52'02	19° 1	28°35	21°57	5°50	9° 4	27°15	7° 5	0° 1	24°16	16°41	18°20	17°45	29° 2	S 25
M26	10 43 52	12°51'42	2♎31	0♈ 7	23°11	6°35	9°17	27°22	7° 8	0° 0	24°17	16°38	18°17	17°52	29° 6	M26
T 27	10 47 48	13°51'19	16°12	1°33	24°25	7°19	9°30	27°29	7°12	0° 0	24°19	16°D37	18°14	17°59	29° 9	T 27
W28	10 51 45	14°50'55	0♏ 3	2°53	25°39	8° 4	9°43	27°37	7°15	29♊59	24°20	16°38	18°10	18° 5	29°13	W28
T 29	10 55 41	15♓50'29	14♏ 1	4♈ 8	26♒54	8♈49	9♒56	27♓44	7♓18	29♊59	24♓22	16♎39	18♎ 7	18♊12	29♒17	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s34	11s26	1n20	18s36	2s 3	21s56	0s14	5s31	0s41	20s 0	0s34	4s16	2s13	10s 9	0s44	22n36	0s57	17s33	16s28	7s10	7s42	18n30	7s26	5n19
F 2	15 15	14 40	2 28	18 3	2 2	21 46	0 16	5 12	0 40	19 56	0 34	4 13	2 13	10 7	0 44	22 36	0 57	17 33	16 27	7 11	7 41	18 30	7 24	5 19
S 3	14 56	17 6	3 29	17 28	2 0	21 36	0 19	4 54	0 40	19 53	0 34	4 10	2 13	10 6	0 44	22 36	0 57	17 32	16 27	7 10	7 40	18 30	7 23	5 19
S 4	14 37	18 30	4 18	16 51	1 58	21 25	0 22	4 35	0 39	19 50	0 34	4 7	2 13	10 5	0 44	22 36	0 57	17 31	16 27	7 9	7 39	18 31	7 22	5 19
M 5	14 17	18 43	4 51	16 13	1 55	21 13	0 24	4 16	0 38	19 47	0 34	4 5	2 13	10 4	0 44	22 36	0 57	17 31	16 27	7 8	7 37	18 31	7 20	5 19
T 6	13 58	17 42	5 5	15 33	1 52	21 1	0 27	3 58	0 38	19 43	0 35	4 2	2 13	10 2	0 44	22 36	0 57	17 30	16 27	7 5	7 36	18 31	7 19	5 19
W 7	13 38	15 33	5 0	14 51	1 48	20 48	0 29	3 39	0 37	19 40	0 35	3 59	2 12	10 1	0 44	22 37	0 57	17 29	16 27	7 2	7 35	18 31	7 18	5 19
T 8	13 18	12 27	4 35	14 8	1 43	20 34	0 32	3 20	0 36	19 37	0 35	3 56	2 12	10 0	0 44	22 37	0 57	17 29	16 26	6 58	7 34	18 31	7 17	5 19
F 9	12 57	8 39	3 54	13 24	1 38	20 20	0 34	3 1	0 36	19 34	0 35	3 53	2 12	9 59	0 44	22 37	0 57	17 28	16 26	6 55	7 33	18 32	7 15	5 18
S 10	12 37	4 28	3 0	12 38	1 32	20 5	0 37	2 43	0 35	19 30	0 35	3 50	2 12	9 57	0 44	22 37	0 57	17 27	16 26	6 52	7 31	18 32	7 14	5 18
S 11	12 16	0 9	1 56	11 50	1 26	19 50	0 39	2 24	0 34	19 27	0 35	3 48	2 12	9 56	0 44	22 37	0 57	17 27	16 26	6 51	7 30	18 32	7 13	5 18
M12	11 55	4n 3	0 48	11 2	1 19	19 34	0 41	2 5	0 33	19 24	0 35	3 45	2 12	9 55	0 44	22 37	0 57	17 26	16 26	6 50	7 29	18 32	7 11	5 18
T 13	11 34	7 57	0s20	10 12	1 12	19 17	0 44	1 46	0 33	19 20	0 35	3 42	2 12	9 53	0 44	22 37	0 57	17 25	16 26	6 49	7 28	18 32	7 10	5 18
W14	11 13	11 23	1 26	9 21	1 4	19 0	0 46	1 28	0 32	19 17	0 35	3 39	2 12	9 52	0 44	22 37	0 57	17 25	16 25	6 50	7 27	18 33	7 9	5 18
T 15	10 51	14 15	2 27	8 29	0 55	18 43	0 48	1 9	0 31	19 14	0 36	3 36	2 12	9 51	0 44	22 37	0 57	17 24	16 25	6 50	7 25	18 33	7 7	5 18
F 16	10 30	16 28	3 21	7 36	0 45	18 25	0 50	0 50	0 31	19 10	0 36	3 33	2 12	9 50	0 44	22 37	0 56	17 23	16 25	6 51	7 24	18 33	7 6	5 18
S 17	10 8	17 57	4 5	6 43	0 36	18 6	0 52	0 32	0 30	19 7	0 36	3 30	2 12	9 48	0 44	22 37	0 56	17 23	16 25	6 51	7 23	18 33	7 5	5 18
S 18	9 46	18 38	4 39	5 49	0 25	17 47	0 54	0 13	0 29	19 4	0 36	3 27	2 12	9 47	0 44	22 37	0 56	17 22	16 25	6 50	7 22	18 33	7 3	5 18
M19	9 24	18 30	5 1	4 54	0 14	17 27	0 56	0n 6	0 29	19 0	0 36	3 24	2 12	9 46	0 44	22 37	0 56	17 21	16 25	6 49	7 21	18 33	7 2	5 18
T 20	9 2	17 33	5 10	4 0	0 2	17 7	0 58	0 24	0 28	18 57	0 36	3 21	2 12	9 45	0 44	22 37	0 56	17 21	16 25	6 47	7 19	18 34	7 0	5 18
W21	8 39	15 46	5 5	3 6	0n 9	16 46	1 0	0 43	0 27	18 54	0 36	3 18	2 11	9 43	0 44	22 37	0 56	17 20	16 25	6 44	7 18	18 34	6 59	5 18
T 22	8 17	13 14	4 45	2 13	0 22	16 25	1 2	1 2	0 27	18 50	0 37	3 15	2 11	9 42	0 44	22 37	0 56	17 19	16 25	6 42	7 17	18 34	6 58	5 18
F 23	7 54	10 2	4 12	1 20	0 35	16 4	1 4	1 20	0 26	18 47	0 37	3 12	2 11	9 41	0 44	22 37	0 56	17 19	16 24	6 39	7 16	18 34	6 56	5 18
S 24	7 31	6 17	3 24	0 28	0 48	15 42	1 5	1 39	0 25	18 44	0 37	3 9	2 11	9 39	0 44	22 37	0 56	17 18	16 24	6 37	7 14	18 34	6 55	5 18
S 25	7 9	2 9	2 25	0n22	1 1	15 19	1 7	1 57	0 25	18 40	0 37	3 6	2 11	9 38	0 44	22 37	0 56	17 17	16 24	6 35	7 13	18 34	6 54	5 18
M26	6 46	2s10	1 16	1 10	1 14	14 56	1 9	2 16	0 24	18 37	0 37	3 3	2 11	9 37	0 44	22 37	0 56	17 17	16 24	6 34	7 12	18 35	6 52	5 18
T 27	6 23	6 26	0 2	1 57	1 27	14 33	1 10	2 34	0 23	18 34	0 37	3 0	2 11	9 36	0 44	22 37	0 56	17 16	16 24	6 34	7 11	18 35	6 51	5 18
W28	6 0	10 24	1n13	2 41	1 40	14 9	1 12	2 52	0 22	18 30	0 37	2 57	2 11	9 34	0 44	22 37	0 56	17 15	16 24	6 34	7 10	18 35	6 50	5 18
T 29	5s37	13s50	2n24	3n22	1n53	13s45	1s13	3n11	0s22	18s27	0s38	2s54	2s11	9s33	0s44	22n37	0s56	17s15	16s24	6s35	7s 8	18n35	6s48	5n18

Julian Day Number = 2117019.5, Delta T = 18m35s
Ecliptic obliquity = 23°33'20, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°58'20, Lahiri = 11°05'20 Julian Calendar 1 Feb. 1084 == Greg. Calendar 7 Feb. 1084

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1084
geocentric

MARCH 1084 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 59 38	16♓50'01	28♏ 6	5♈17	28♒ 8	9♈33	10♒ 9	27♓52	7♓22	29°R59	24♓23	16♎41	18♎ 4	18♊19	29♒21	F 1
S 2	11 3 35	17°49'32	12♐14	6°18	29°22	10°18	10°21	27°59	7°25	29♊59	24°25	16°R42	18° 1	18°26	29°25	S 2
S 3	11 7 31	18°49'01	26°26	7°14	0♓36	11° 2	10°34	28° 7	7°29	29°59	24°26	16°42	17°58	18°32	29°29	S 3
M 4	11 11 28	19°48'28	10♑38	8° 1	1°50	11°47	10°47	28°14	7°32	29°59	24°28	16°40	17°54	18°39	29°33	M 4
T 5	11 15 24	20°47'53	24°48	8°42	3° 5	12°31	10°59	28°22	7°35	29°D59	24°29	16°38	17°51	18°46	29°36	T 5
W 6	11 19 21	21°47'16	8♒53	9°15	4°19	13°16	11°12	28°29	7°39	29°59	24°31	16°35	17°48	18°52	29°40	W 6
T 7	11 23 17	22°46'38	22°49	9°40	5°33	14° 0	11°24	28°37	7°42	29°59	24°32	16°31	17°45	18°59	29°44	T 7
F 8	11 27 14	23°45'57	6♓35	9°58	6°47	14°44	11°37	28°45	7°45	29°59	24°34	16°28	17°42	19° 6	29°48	F 8
S 9	11 31 10	24°45'15	20° 5	10° 9	8° 1	15°29	11°49	28°52	7°49	29°59	24°35	16°25	17°39	19°12	29°51	S 9
S 10	11 35 7	25°44'30	3♈19	10°R11	9°16	16°13	12° 1	29° 0	7°52	29°59	24°37	16°23	17°35	19°19	29°55	S 10
M11	11 39 4	26°43'43	16°15	10° 7	10°30	16°57	12°14	29° 7	7°55	29°59	24°38	16°D23	17°32	19°26	29°59	M11
T 12	11 43 0	27°42'54	28°54	9°56	11°44	17°41	12°26	29°15	7°59	0♋ 0	24°40	16°23	17°29	19°33	0♓ 2	T 12
W13	11 46 57	28°42'03	11♉17	9°38	12°58	18°25	12°38	29°22	8° 2	0° 0	24°41	16°24	17°26	19°39	0° 6	W13
T 14	11 50 53	29°41'10	23°26	9°13	14°12	19° 9	12°50	29°30	8° 5	0° 1	24°42	16°26	17°23	19°46	0°10	T 14
F 15	11 54 50	0♈40'14	5♊26	8°44	15°26	19°53	13° 1	29°38	8° 8	0° 1	24°44	16°27	17°20	19°53	0°13	F 15
S 16	11 58 46	1°39'16	17°19	8° 9	16°40	20°37	13°13	29°45	8°12	0° 1	24°45	16°28	17°16	19°59	0°17	S 16
S 17	12 2 43	2°38'15	29°11	7°31	17°54	21°21	13°25	29°53	8°15	0° 2	24°47	16°R29	17°13	20° 6	0°20	S 17
M18	12 6 39	3°37'13	11♋ 7	6°49	19° 8	22° 5	13°36	0♈ 0	8°18	0° 2	24°48	16°29	17°10	20°13	0°24	M18
T 19	12 10 36	4°36'08	23°10	6° 5	20°23	22°48	13°48	0° 8	8°21	0° 3	24°50	16°28	17° 7	20°20	0°27	T 19
W20	12 14 33	5°35'00	5♌26	5°19	21°37	23°32	13°59	0°15	8°24	0° 3	24°51	16°27	17° 4	20°26	0°31	W20
T 21	12 18 29	6°33'51	17°58	4°33	22°51	24°16	14°11	0°23	8°28	0° 4	24°53	16°26	17° 0	20°33	0°34	T 21
F 22	12 22 26	7°32'39	0♍48	3°46	24° 5	24°59	14°22	0°31	8°31	0° 4	24°54	16°24	16°57	20°40	0°38	F 22
S 23	12 26 22	8°31'24	14° 0	3° 1	25°19	25°43	14°33	0°38	8°34	0° 5	24°56	16°23	16°54	20°46	0°41	S 23
S 24	12 30 19	9°30'08	27°32	2°18	26°33	26°26	14°44	0°46	8°37	0° 6	24°57	16°23	16°51	20°53	0°44	S 24
M25	12 34 15	10°28'50	11♎23	1°38	27°47	27°10	14°55	0°53	8°40	0° 6	24°59	16°D22	16°48	21° 0	0°47	M25
T 26	12 38 12	11°27'29	25°30	1° 0	29° 1	27°53	15° 6	1° 1	8°43	0° 7	25° 0	16°22	16°45	21° 6	0°51	T 26
W27	12 42 8	12°26'07	9♏49	0°27	0♈15	28°36	15°17	1° 8	8°46	0° 8	25° 1	16°23	16°41	21°13	0°54	W27
T 28	12 46 5	13°24'43	24°15	29♓58	1°29	29°20	15°27	1°16	8°49	0° 8	25° 3	16°23	16°38	21°20	0°57	T 28
F 29	12 50 1	14°23'17	8♐43	29°33	2°43	0♉ 3	15°38	1°23	8°52	0° 9	25° 4	16°23	16°35	21°27	1° 0	F 29
S 30	12 53 58	15°21'49	23° 8	29°13	3°57	0°46	15°48	1°31	8°55	0°10	25° 6	16°23	16°32	21°33	1° 3	S 30
S 31	12 57 55	16♈20'20	7♑27	28♓58	5♈11	1♉29	15♒59	1♈38	8♓58	0♋11	25♓ 7	16♎23	16♎29	21♊40	1♓ 7	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	5s13	16s27	3n28	4n 1	2n 5	13s21	1s15	3n29	0s21	18s24	0s38	2s51	2s11	9s32	0s44	22n37	0s56	17s14	16s24	6s35	7s 7	18n35	6s47	5n18	F 1
S 2	4 50	18 6	4 19	4 37	2 17	12 56	1 16	3 47	0 20	18 20	0 38	2 48	2 11	9 30	0 44	22 37	0 56	17 14	16 24	6 36	7 6	18 35	6 45	5 19	S 2
S 3	4 27	18 36	4 54	5 9	2 28	12 31	1 17	4 5	0 20	18 17	0 38	2 45	2 11	9 29	0 44	22 38	0 56	17 13	16 24	6 36	7 5	18 35	6 44	5 19	S 3
M 4	4 3	17 57	5 12	5 38	2 39	12 5	1 18	4 23	0 19	18 14	0 38	2 42	2 11	9 28	0 44	22 38	0 56	17 12	16 24	6 35	7 4	18 36	6 43	5 19	M 4
T 5	3 40	16 11	5 10	6 3	2 49	11 40	1 19	4 41	0 18	18 10	0 38	2 39	2 11	9 27	0 44	22 38	0 56	17 12	16 24	6 34	7 2	18 36	6 41	5 19	T 5
W 6	3 16	13 27	4 50	6 24	2 58	11 13	1 21	4 59	0 18	18 7	0 38	2 36	2 11	9 25	0 44	22 38	0 56	17 11	16 24	6 33	7 1	18 36	6 40	5 19	W 6
T 7	2 53	9 59	4 13	6 41	3 6	10 47	1 22	5 17	0 17	18 4	0 39	2 33	2 11	9 24	0 44	22 38	0 56	17 11	16 24	6 31	7 0	18 36	6 39	5 19	T 7
F 8	2 29	6 1	3 22	6 55	3 12	10 20	1 22	5 35	0 16	18 0	0 39	2 30	2 11	9 23	0 44	22 38	0 56	17 10	16 24	6 30	6 59	18 36	6 37	5 19	F 8
S 9	2 6	1 48	2 20	7 4	3 18	9 53	1 23	5 53	0 16	17 57	0 39	2 27	2 11	9 22	0 44	22 38	0 56	17 9	16 24	6 29	6 57	18 36	6 36	5 19	S 9
S 10	1 42	2n25	1 11	7 9	3 22	9 26	1 24	6 11	0 15	17 54	0 39	2 24	2 11	9 20	0 44	22 38	0 56	17 9	16 24	6 28	6 56	18 36	6 34	5 19	S 10
M11	1 18	6 26	0 1	7 9	3 24	8 59	1 25	6 28	0 14	17 51	0 39	2 21	2 11	9 19	0 44	22 38	0 55	17 8	16 24	6 28	6 55	18 36	6 33	5 19	M11
T 12	0 55	10 4	1s 9	7 6	3 26	8 31	1 26	6 46	0 14	17 47	0 39	2 18	2 11	9 18	0 44	22 38	0 55	17 8	16 24	6 28	6 54	18 36	6 32	5 19	T 12
W13	0 31	13 11	2 13	6 58	3 25	8 3	1 26	7 3	0 13	17 44	0 40	2 15	2 11	9 17	0 44	22 38	0 55	17 7	16 24	6 29	6 53	18 37	6 30	5 19	W13
T 14	0 8	15 39	3 11	6 47	3 23	7 35	1 27	7 21	0 12	17 41	0 40	2 12	2 11	9 16	0 44	22 38	0 55	17 6	16 24	6 29	6 51	18 37	6 29	5 20	T 14
F 15	0n16	17 23	3 59	6 31	3 19	7 6	1 27	7 38	0 12	17 38	0 40	2 9	2 11	9 14	0 44	22 38	0 55	17 6	16 24	6 30	6 50	18 37	6 28	5 20	F 15
S 16	0 40	18 22	4 37	6 13	3 14	6 38	1 28	7 55	0 11	17 34	0 40	2 6	2 11	9 13	0 44	22 38	0 55	17 5	16 24	6 30	6 49	18 37	6 26	5 20	S 16
S 17	1 3	18 31	5 2	5 51	3 7	6 9	1 28	8 12	0 10	17 31	0 40	2 3	2 11	9 12	0 44	22 38	0 55	17 5	16 24	6 31	6 48	18 37	6 25	5 20	S 17
M18	1 27	17 51	5 15	5 26	2 58	5 40	1 28	8 29	0 10	17 28	0 40	2 0	2 11	9 11	0 44	22 38	0 55	17 4	16 24	6 31	6 46	18 37	6 24	5 20	M18
T 19	1 50	16 23	5 14	4 59	2 48	5 11	1 28	8 46	0 9	17 25	0 41	1 57	2 11	9 10	0 44	22 38	0 55	17 4	16 24	6 30	6 45	18 37	6 22	5 20	T 19
W20	2 14	14 10	4 59	4 31	2 36	4 42	1 29	9 3	0 8	17 22	0 41	1 54	2 11	9 8	0 44	22 38	0 55	17 3	16 24	6 30	6 44	18 37	6 21	5 20	W20
T 21	2 37	11 14	4 30	4 0	2 23	4 13	1 29	9 20	0 8	17 19	0 41	1 51	2 11	9 7	0 44	22 38	0 55	17 3	16 24	6 29	6 43	18 37	6 20	5 20	T 21
F 22	3 0	7 43	3 47	3 29	2 10	3 43	1 29	9 37	0 7	17 15	0 41	1 48	2 11	9 6	0 44	22 38	0 55	17 2	16 24	6 29	6 42	18 37	6 18	5 21	F 22
S 23	3 24	3 43	2 50	2 58	1 55	3 14	1 29	9 53	0 6	17 12	0 41	1 45	2 11	9 5	0 44	22 38	0 55	17 2	16 25	6 28	6 40	18 37	6 17	5 21	S 23
S 24	3 47	0s35	1 43	2 26	1 39	2 44	1 28	10 10	0 6	17 9	0 42	1 42	2 11	9 4	0 44	22 38	0 55	17 1	16 25	6 28	6 39	18 37	6 16	5 21	S 24
M25	4 10	4 57	0 28	1 55	1 23	2 14	1 28	10 26	0 5	17 6	0 42	1 39	2 12	9 3	0 44	22 38	0 55	17 1	16 25	6 28	6 38	18 37	6 14	5 21	M25
T 26	4 33	9 7	0n50	1 26	1 7	1 44	1 28	10 42	0 4	17 3	0 42	1 36	2 12	9 2	0 44	22 38	0 55	17 0	16 25	6 28	6 37	18 37	6 13	5 21	T 26
W27	4 56	12 50	2 6	0 57	0 51	1 15	1 28	10 58	0 4	17 0	0 42	1 33	2 12	9 0	0 44	22 39	0 55	17 0	16 25	6 28	6 35	18 38	6 12	5 21	W27
T 28	5 19	15 46	3 15	0 30	0 34	0 45	1 27	11 15	0 3	16 57	0 42	1 31	2 12	8 59	0 44	22 39	0 55	16 59	16 25	6 28	6 34	18 38	6 11	5 21	T 28
F 29	5 42	17 43	4 11	0 5	0 18	0 15	1 27	11 30	0 2	16 54	0 43	1 28	2 12	8 58	0 44	22 39	0 55	16 59	16 25	6 28	6 33	18 38	6 9	5 22	F 29
S 30	6 5	18 31	4 52	0s17	0 2	0n15	1 26	11 46	0 2	16 51	0 43	1 25	2 12	8 57	0 44	22 39	0 55	16 58	16 25	6 28	6 32	18 38	6 8	5 22	S 30
S 31	6n27	18s 8	5n13	0s38	0s14	0n45	1s26	12n 2	0s 1	16s48	0s43	1s22	2s12	8s56	0s44	22n39	0s55	16s58	16s25	6s28	6s31	18n38	6s 7	5n22	S 31

Julian Day Number = 2117048.5, Delta T = 18m35s
Ecliptic obliquity = 23°33'20, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°58'24, Lahiri = 11°05'24 Julian Calendar 1 March 1084 == Greg. Calendar 7 March 1084

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1084
geocentric

APRIL 1084 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 1 51	17♈18'49	21♉36	28°R48	6♈25	2♉12	16♒ 9	1♈45	9♓ 1	0♋12	25♓ 8	16♎23	16♎26	21♊47	1♓10	M 1
T 2	13 5 48	18°17'16	5♒34	28°D43	7°39	2°55	16°19	1°53	9° 3	0°13	25°10	16°23	16°22	21°53	1°13	T 2
W 3	13 9 44	19°15'42	19°20	28♓43	8°53	3°38	16°29	2° 0	9° 6	0°14	25°11	16°24	16°19	22° 0	1°16	W 3
T 4	13 13 41	20°14'06	2♓52	28°49	10° 7	4°21	16°39	2° 8	9° 9	0°15	25°13	16°24	16°16	22° 7	1°18	T 4
F 5	13 17 37	21°12'29	16°10	28°59	11°20	5° 4	16°49	2°15	9°12	0°16	25°14	16°24	16°13	22°14	1°21	F 5
S 6	13 21 34	22°10'50	29°15	29°14	12°34	5°47	16°59	2°22	9°15	0°17	25°15	16°25	16°10	22°20	1°24	S 6
S 7	13 25 30	23° 9'09	12♈ 7	29°33	13°48	6°30	17° 8	2°29	9°17	0°18	25°17	16°R25	16° 6	22°27	1°27	S 7
M 8	13 29 27	24° 7'26	24°45	29°57	15° 2	7°13	17°18	2°37	9°20	0°19	25°18	16°25	16° 3	22°34	1°30	M 8
T 9	13 33 24	25° 5'41	7♉11	0♈25	16°16	7°55	17°27	2°44	9°23	0°20	25°19	16°24	16° 0	22°40	1°33	T 9
W10	13 37 20	26° 3'55	19°25	0°58	17°30	8°38	17°36	2°51	9°25	0°21	25°21	16°24	15°57	22°47	1°35	W10
T 11	13 41 17	27° 2'06	1♊30	1°34	18°44	9°21	17°45	2°58	9°28	0°22	25°22	16°22	15°54	22°54	1°38	T 11
F 12	13 45 13	28° 0'16	13°28	2°15	19°58	10° 3	17°54	3° 5	9°30	0°23	25°23	16°21	15°51	23° 1	1°40	F 12
S 13	13 49 10	28°58'24	25°21	2°59	21°12	10°46	18° 3	3°13	9°33	0°25	25°24	16°19	15°47	23° 7	1°43	S 13
S 14	13 53 6	29°56'30	7♋12	3°46	22°26	11°28	18°12	3°20	9°35	0°26	25°26	16°17	15°44	23°14	1°46	S 14
M15	13 57 3	0♉54'34	19° 7	4°37	23°39	12°11	18°20	3°27	9°38	0°27	25°27	16°16	15°41	23°21	1°48	M15
T 16	14 0 59	1°52'36	1♌ 9	5°31	24°53	12°53	18°29	3°34	9°40	0°29	25°28	16°D16	15°38	23°27	1°50	T 16
W17	14 4 56	2°50'36	13°23	6°29	26° 7	13°35	18°37	3°41	9°43	0°30	25°29	16°16	15°35	23°34	1°53	W17
T 18	14 8 53	3°48'34	25°53	7°29	27°21	14°18	18°45	3°48	9°45	0°31	25°31	16°17	15°31	23°41	1°55	T 18
F 19	14 12 49	4°46'30	8♍43	8°32	28°35	15° 0	18°53	3°55	9°47	0°33	25°32	16°18	15°28	23°48	1°57	F 19
S 20	14 16 46	5°44'24	21°57	9°38	29°49	15°42	19° 1	4° 1	9°50	0°34	25°33	16°20	15°25	23°54	2° 0	S 20
S 21	14 20 42	6°42'17	5♎35	10°47	1♉ 2	16°24	19° 9	4° 8	9°52	0°35	25°34	16°21	15°22	24° 1	2° 2	S 21
M22	14 24 39	7°40'08	19°39	11°59	2°16	17° 6	19°17	4°15	9°54	0°37	25°35	16°R21	15°19	24° 8	2° 4	M22
T 23	14 28 35	8°37'57	4♏ 4	13°13	3°30	17°48	19°24	4°22	9°56	0°38	25°36	16°20	15°16	24°14	2° 6	T 23
W24	14 32 32	9°35'45	18°47	14°29	4°44	18°30	19°31	4°28	9°58	0°40	25°38	16°18	15°12	24°21	2° 8	W24
T 25	14 36 28	10°33'31	3♐40	15°48	5°58	19°12	19°39	4°35	10° 0	0°42	25°39	16°16	15° 9	24°28	2°10	T 25
F 26	14 40 25	11°31'16	18°34	17°10	7°11	19°54	19°46	4°42	10° 2	0°43	25°40	16°12	15° 6	24°35	2°12	F 26
S 27	14 44 21	12°29'00	3♑22	18°34	8°25	20°36	19°52	4°48	10° 4	0°45	25°41	16° 9	15° 3	24°41	2°14	S 27
S 28	14 48 18	13°26'42	17°58	20° 0	9°39	21°18	19°59	4°55	10° 6	0°46	25°42	16° 6	15° 0	24°48	2°16	S 28
M29	14 52 15	14°24'24	2♒16	21°29	10°53	21°59	20° 6	5° 1	10° 8	0°48	25°43	16° 5	14°57	24°55	2°18	M29
T 30	14 56 11	15♉22'04	16♒13	23♈ 0	12♉ 6	22♉41	20♒12	5♈ 8	10♓10	0♋50	25♓44	16°D 4	14♎53	25♊ 1	2♓19	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	6n50	16s37	5n16	0s55	0s29	1n15	1s25	12n18	0s 0	16s46	0s43	1s19	2s12	8s55	0s44	22n39	0s55	16s58	16s26	6s28	6s29	18n38	6s 6	5n22
T 2	7 12	14 7	5 0	1 11	0 44	1 45	1 25	12 33	0n 0	16 43	0 43	1 16	2 12	8 54	0 44	22 39	0 55	16 57	16 26	6 28	6 28	18 38	6 4	5 22
W 3	7 35	10 53	4 26	1 24	0 58	2 15	1 24	12 48	0 1	16 40	0 44	1 13	2 12	8 53	0 45	22 39	0 55	16 57	16 26	6 29	6 27	18 38	6 3	5 23
T 4	7 57	7 6	3 39	1 34	1 11	2 45	1 23	13 3	0 2	16 37	0 44	1 10	2 12	8 52	0 45	22 39	0 55	16 56	16 26	6 29	6 26	18 38	6 2	5 23
F 5	8 19	3 1	2 40	1 41	1 24	3 15	1 22	13 19	0 2	16 34	0 44	1 7	2 12	8 51	0 45	22 39	0 54	16 56	16 26	6 29	6 24	18 38	6 1	5 23
S 6	8 41	1n 8	1 34	1 46	1 36	3 45	1 21	13 34	0 3	16 31	0 44	1 5	2 12	8 50	0 45	22 39	0 54	16 55	16 26	6 29	6 23	18 38	6 0	5 23
S 7	9 2	5 11	0 24	1 49	1 47	4 14	1 20	13 48	0 3	16 29	0 44	1 2	2 12	8 49	0 45	22 39	0 54	16 55	16 26	6 29	6 22	18 38	5 58	5 23
M 8	9 24	8 55	0s46	1 48	1 57	4 44	1 19	14 3	0 4	16 26	0 45	0 59	2 13	8 48	0 45	22 39	0 54	16 55	16 27	6 29	6 21	18 38	5 57	5 24
T 9	9 45	12 12	1 53	1 46	2 7	5 14	1 18	14 18	0 5	16 23	0 45	0 56	2 13	8 47	0 45	22 39	0 54	16 54	16 27	6 29	6 19	18 38	5 56	5 24
W10	10 7	14 54	2 53	1 41	2 15	5 43	1 17	14 32	0 5	16 21	0 45	0 53	2 13	8 46	0 45	22 39	0 54	16 54	16 27	6 29	6 18	18 38	5 55	5 24
T 11	10 28	16 54	3 45	1 34	2 23	6 12	1 16	14 46	0 6	16 18	0 45	0 51	2 13	8 45	0 45	22 39	0 54	16 54	16 27	6 28	6 17	18 38	5 54	5 24
F 12	10 49	18 8	4 26	1 24	2 31	6 42	1 14	15 0	0 7	16 16	0 45	0 48	2 13	8 44	0 45	22 39	0 54	16 53	16 27	6 27	6 16	18 38	5 53	5 24
S 13	11 10	18 33	4 55	1 13	2 37	7 11	1 13	15 14	0 7	16 13	0 46	0 45	2 13	8 43	0 45	22 39	0 54	16 53	16 28	6 27	6 15	18 38	5 52	5 25
S 14	11 30	18 10	5 12	0 59	2 43	7 40	1 12	15 28	0 8	16 11	0 46	0 42	2 13	8 42	0 45	22 39	0 54	16 53	16 28	6 26	6 13	18 38	5 50	5 25
M15	11 51	16 58	5 16	0 43	2 48	8 8	1 10	15 42	0 8	16 8	0 46	0 40	2 13	8 41	0 45	22 39	0 54	16 52	16 28	6 26	6 12	18 38	5 49	5 25
T 16	12 11	15 2	5 6	0 26	2 52	8 37	1 9	15 56	0 9	16 6	0 46	0 37	2 13	8 40	0 45	22 39	0 54	16 52	16 28	6 26	6 11	18 38	5 48	5 25
W17	12 31	12 23	4 41	0 6	2 56	9 5	1 7	16 9	0 10	16 3	0 47	0 34	2 14	8 39	0 45	22 39	0 54	16 52	16 28	6 26	6 10	18 38	5 47	5 25
T 18	12 51	9 8	4 4	0n15	2 58	9 33	1 6	16 22	0 10	16 1	0 47	0 32	2 14	8 39	0 45	22 39	0 54	16 51	16 29	6 26	6 8	18 38	5 46	5 26
F 19	13 11	5 21	3 13	0 38	3 0	10 1	1 4	16 35	0 11	15 59	0 47	0 29	2 14	8 38	0 45	22 39	0 54	16 51	16 29	6 27	6 7	18 38	5 45	5 26
S 20	13 30	1 13	2 11	1 3	3 2	10 29	1 2	16 48	0 12	15 57	0 47	0 26	2 14	8 37	0 45	22 39	0 54	16 51	16 29	6 27	6 6	18 38	5 44	5 26
S 21	13 49	3s 8	0 59	1 29	3 3	10 57	1 1	17 1	0 12	15 54	0 48	0 24	2 14	8 36	0 45	22 39	0 54	16 51	16 29	6 28	6 5	18 38	5 43	5 26
M22	14 8	7 27	0n18	1 57	3 3	11 24	0 59	17 14	0 13	15 52	0 48	0 21	2 14	8 35	0 45	22 39	0 54	16 50	16 30	6 28	6 3	18 38	5 42	5 27
T 23	14 27	11 26	1 36	2 27	3 2	11 51	0 57	17 26	0 13	15 50	0 48	0 19	2 14	8 34	0 45	22 39	0 54	16 50	16 30	6 27	6 2	18 38	5 41	5 27
W24	14 45	14 47	2 49	2 58	3 1	12 17	0 55	17 38	0 14	15 48	0 48	0 16	2 15	8 34	0 45	22 39	0 54	16 50	16 30	6 27	6 1	18 38	5 40	5 27
T 25	15 4	17 12	3 51	3 30	2 59	12 44	0 53	17 51	0 15	15 46	0 48	0 14	2 15	8 33	0 45	22 39	0 54	16 50	16 30	6 26	6 0	18 38	5 39	5 27
F 26	15 22	18 27	4 38	4 3	2 57	13 10	0 52	18 3	0 15	15 44	0 49	0 11	2 15	8 32	0 45	22 40	0 54	16 50	16 31	6 24	5 59	18 38	5 38	5 28
S 27	15 40	18 25	5 6	4 38	2 54	13 36	0 50	18 14	0 16	15 42	0 49	0 9	2 15	8 31	0 45	22 40	0 54	16 49	16 31	6 23	5 57	18 38	5 38	5 28
S 28	15 57	17 10	5 13	5 14	2 50	14 1	0 48	18 26	0 16	15 40	0 49	0 6	2 15	8 31	0 45	22 40	0 54	16 49	16 31	6 22	5 56	18 38	5 37	5 28
M29	16 14	14 51	5 1	5 51	2 46	14 26	0 46	18 38	0 17	15 38	0 49	0 4	2 15	8 30	0 45	22 40	0 54	16 49	16 31	6 21	5 55	18 37	5 36	5 28
T 30	16n31	11s44	4n31	6n29	2s41	14n51	0s44	18n49	0n17	15s36	0s50	0s 1	2s15	8s29	0s45	22n40	0s54	16s49	16s32	6s21	5s54	18n37	5s35	5n29

Julian Day Number = 2117079.5, Delta T = 18m35s
Ecliptic obliquity = 23°33'20, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°58'28, Lahiri = 11°05'29 Julian Calendar 1 Apr. 1084 == Greg. Calendar 7 Apr. 1084

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1084
geocentric

MAY 1084 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	15 0 8	16♉19'43	29♒50	24♈33	13♉20	23♉23	20♒19	5♈14	10♓12	0♋51	25♓45	16♎ 5	14♎50	25♊ 8	2♓21	W 1
T 2	15 4 4	17°17'22	13♓ 8	26° 8	14°34	24° 4	20°25	5°20	10°14	0°53	25°46	16° 6	14°47	25°15	2°23	T 2
F 3	15 8 1	18°14'59	26° 8	27°46	15°48	24°46	20°31	5°27	10°16	0°55	25°47	16° 8	14°44	25°22	2°24	F 3
S 4	15 11 57	19°12'35	8♈53	29°26	17° 1	25°28	20°36	5°33	10°17	0°56	25°48	16° 9	14°41	25°28	2°26	S 4
S 5	15 15 54	20°10'10	21°25	1♉ 8	18°15	26° 9	20°42	5°39	10°19	0°58	25°49	16°R 9	14°37	25°35	2°27	S 5
M 6	15 19 50	21° 7'44	3♉46	2°53	19°29	26°51	20°48	5°45	10°21	1° 0	25°50	16° 7	14°34	25°42	2°29	M 6
T 7	15 23 47	22° 5'17	15°58	4°39	20°43	27°32	20°53	5°51	10°22	1° 2	25°51	16° 4	14°31	25°48	2°30	T 7
W 8	15 27 44	23° 2'49	28° 2	6°28	21°56	28°13	20°58	5°57	10°24	1° 4	25°52	15°59	14°28	25°55	2°31	W 8
T 9	15 31 40	24° 0'20	10♊ 1	8°19	23°10	28°55	21° 3	6° 3	10°25	1° 6	25°53	15°53	14°25	26° 2	2°33	T 9
F 10	15 35 37	24°57'49	21°55	10°13	24°24	29°36	21° 8	6° 9	10°27	1° 7	25°53	15°46	14°22	26° 9	2°34	F 10
S 11	15 39 33	25°55'18	3♋46	12° 8	25°38	0♊17	21°12	6°15	10°28	1° 9	25°54	15°39	14°18	26°15	2°35	S 11
S 12	15 43 30	26°52'45	15°38	14° 6	26°51	0°58	21°17	6°21	10°30	1°11	25°55	15°32	14°15	26°22	2°36	S 12
M13	15 47 26	27°50'11	27°32	16° 6	28° 5	1°39	21°21	6°26	10°31	1°13	25°56	15°27	14°12	26°29	2°37	M13
T 14	15 51 23	28°47'35	9♌33	18° 7	29°19	2°21	21°25	6°32	10°32	1°15	25°57	15°23	14° 9	26°35	2°38	T 14
W15	15 55 19	29°44'59	21°45	20°11	0♊32	3° 2	21°29	6°37	10°33	1°17	25°58	15°21	14° 6	26°42	2°39	W15
T 16	15 59 16	0♊42'21	4♍11	22°16	1°46	3°43	21°33	6°43	10°35	1°19	25°58	15°D21	14° 3	26°49	2°40	T 16
F 17	16 3 13	1°39'42	16°57	24°23	3° 0	4°24	21°37	6°48	10°36	1°21	25°59	15°21	13°59	26°56	2°41	F 17
S 18	16 7 9	2°37'02	0♎ 7	26°31	4°14	5° 4	21°40	6°54	10°37	1°23	26° 0	15°23	13°56	27° 2	2°41	S 18
S 19	16 11 6	3°34'21	13°43	28°41	5°27	5°45	21°43	6°59	10°38	1°25	26° 0	15°R23	13°53	27° 9	2°42	S 19
M20	16 15 2	4°31'39	27°47	0♊51	6°41	6°26	21°46	7° 4	10°39	1°27	26° 1	15°23	13°50	27°16	2°43	M20
T 21	16 18 59	5°28'56	12♏18	3° 2	7°55	7° 7	21°49	7° 9	10°40	1°29	26° 2	15°20	13°47	27°22	2°43	T 21
W22	16 22 55	6°26'12	27°12	5°14	9° 8	7°48	21°52	7°15	10°41	1°31	26° 2	15°16	13°43	27°29	2°44	W22
T 23	16 26 52	7°23'28	12♐21	7°26	10°22	8°28	21°54	7°20	10°42	1°33	26° 3	15° 9	13°40	27°36	2°44	T 23
F 24	16 30 48	8°20'43	27°35	9°38	11°36	9° 9	21°57	7°25	10°42	1°35	26° 4	15° 1	13°37	27°43	2°45	F 24
S 25	16 34 45	9°17'57	12♑44	11°49	12°49	9°50	21°59	7°29	10°43	1°37	26° 4	14°54	13°34	27°49	2°45	S 25
S 26	16 38 42	10°15'11	27°38	14° 0	14° 3	10°30	22° 1	7°34	10°44	1°39	26° 5	14°47	13°31	27°56	2°45	S 26
M27	16 42 38	11°12'24	12♒ 9	16°10	15°17	11°11	22° 3	7°39	10°45	1°41	26° 5	14°42	13°28	28° 3	2°46	M27
T 28	16 46 35	12° 9'37	26°15	18°19	16°30	11°51	22° 4	7°44	10°45	1°44	26° 6	14°38	13°24	28° 9	2°46	T 28
W29	16 50 31	13° 6'50	9♓53	20°27	17°44	12°32	22° 5	7°48	10°46	1°46	26° 6	14°D37	13°21	28°16	2°46	W29
T 30	16 54 28	14° 4'03	23° 7	22°33	18°58	13°12	22° 7	7°53	10°46	1°48	26° 7	14°38	13°18	28°23	2°46	T 30
F 31	16 58 24	15♊ 1'15	5♈58	24♊38	20♊11	13♊53	22♒ 8	7♈57	10♓47	1♋50	26♓ 7	14♎38	13♎15	28♊30	2°R46	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n48	8s 3	3n47	7n 8	2s36	15n15	0s42	19n 0	0n18	15s35	0s50	0n 1	2s16	8s29	0s45	22n40	0s54	16s49	16s32	6s21	5s52	18n37	5s34	5n29
T 2	17 5	4 2	2 51	7 49	2 30	15 40	0 39	19 11	0 19	15 33	0 50	0 3	2 16	8 28	0 45	22 40	0 54	16 49	16 32	6 22	5 51	18 37	5 33	5 29
F 3	17 21	0n 6	1 47	8 30	2 24	16 3	0 37	19 22	0 19	15 31	0 50	0 6	2 16	8 27	0 45	22 40	0 53	16 48	16 32	6 22	5 50	18 37	5 32	5 30
S 4	17 37	4 9	0 40	9 12	2 17	16 26	0 35	19 32	0 20	15 30	0 51	0 8	2 16	8 27	0 45	22 40	0 53	16 48	16 33	6 23	5 49	18 37	5 32	5 30
S 5	17 52	7 57	0s29	9 54	2 9	16 49	0 33	19 43	0 20	15 28	0 51	0 10	2 16	8 26	0 45	22 40	0 53	16 48	16 33	6 23	5 47	18 37	5 31	5 30
M 6	18 8	11 21	1 35	10 38	2 1	17 12	0 31	19 53	0 21	15 26	0 51	0 13	2 16	8 26	0 46	22 40	0 53	16 48	16 33	6 22	5 46	18 37	5 30	5 30
T 7	18 23	14 13	2 35	11 22	1 53	17 34	0 28	20 3	0 22	15 25	0 51	0 15	2 17	8 25	0 46	22 40	0 53	16 48	16 34	6 21	5 45	18 37	5 29	5 31
W 8	18 37	16 26	3 28	12 6	1 44	17 55	0 26	20 13	0 22	15 24	0 52	0 17	2 17	8 24	0 46	22 40	0 53	16 48	16 34	6 19	5 44	18 37	5 29	5 31
T 9	18 52	17 55	4 11	12 51	1 35	18 16	0 24	20 23	0 23	15 22	0 52	0 19	2 17	8 24	0 46	22 40	0 53	16 48	16 34	6 17	5 43	18 37	5 28	5 31
F 10	19 6	18 36	4 43	13 36	1 26	18 37	0 22	20 32	0 23	15 21	0 52	0 21	2 17	8 23	0 46	22 40	0 53	16 48	16 35	6 14	5 41	18 37	5 27	5 31
S 11	19 20	18 28	5 3	14 21	1 16	18 57	0 19	20 42	0 24	15 20	0 53	0 23	2 17	8 23	0 46	22 40	0 53	16 48	16 35	6 11	5 40	18 37	5 27	5 32
S 12	19 33	17 31	5 9	15 6	1 6	19 16	0 17	20 51	0 24	15 19	0 53	0 26	2 18	8 22	0 46	22 40	0 53	16 48	16 35	6 9	5 39	18 37	5 26	5 32
M13	19 46	15 49	5 2	15 51	0 56	19 35	0 15	21 0	0 25	15 17	0 53	0 28	2 18	8 22	0 46	22 40	0 53	16 48	16 36	6 7	5 38	18 36	5 25	5 32
T 14	19 59	13 24	4 42	16 35	0 45	19 54	0 12	21 9	0 25	15 16	0 53	0 30	2 18	8 21	0 46	22 40	0 53	16 48	16 36	6 5	5 36	18 36	5 25	5 33
W15	20 12	10 23	4 9	17 19	0 34	20 12	0 10	21 17	0 26	15 15	0 54	0 32	2 18	8 21	0 46	22 40	0 53	16 48	16 36	6 4	5 35	18 36	5 24	5 33
T 16	20 24	6 51	3 24	18 3	0 24	20 29	0 8	21 26	0 27	15 14	0 54	0 34	2 18	8 21	0 46	22 40	0 53	16 48	16 37	6 4	5 34	18 36	5 23	5 33
F 17	20 36	2 55	2 27	18 45	0 13	20 46	0 5	21 34	0 27	15 13	0 54	0 36	2 19	8 20	0 46	22 40	0 53	16 48	16 37	6 5	5 33	18 36	5 23	5 33
S 18	20 47	1s17	1 22	19 26	0 2	21 3	0 3	21 42	0 28	15 13	0 54	0 38	2 19	8 20	0 46	22 40	0 53	16 48	16 37	6 5	5 31	18 36	5 22	5 34
S 19	20 58	5 34	0 9	20 6	0n 9	21 18	0 1	21 50	0 28	15 12	0 55	0 40	2 19	8 20	0 46	22 40	0 53	16 48	16 38	6 5	5 30	18 36	5 22	5 34
M20	21 9	9 42	1n 6	20 45	0 19	21 34	0n 2	21 58	0 29	15 11	0 55	0 41	2 19	8 19	0 46	22 40	0 53	16 48	16 38	6 5	5 29	18 36	5 21	5 34
T 21	21 19	13 23	2 20	21 21	0 30	21 48	0 4	22 5	0 29	15 10	0 55	0 43	2 19	8 19	0 46	22 40	0 53	16 48	16 38	6 4	5 28	18 36	5 21	5 35
W22	21 29	16 18	3 25	21 55	0 39	22 2	0 7	22 12	0 30	15 10	0 56	0 45	2 20	8 19	0 46	22 40	0 53	16 48	16 39	6 2	5 26	18 35	5 20	5 35
T 23	21 39	18 8	4 18	22 28	0 49	22 16	0 9	22 19	0 30	15 9	0 56	0 47	2 20	8 18	0 46	22 40	0 53	16 48	16 39	6 0	5 25	18 35	5 20	5 35
F 24	21 48	18 40	4 52	22 58	0 58	22 28	0 11	22 26	0 31	15 9	0 56	0 49	2 20	8 18	0 46	22 40	0 53	16 48	16 39	5 57	5 24	18 35	5 20	5 36
S 25	21 57	17 52	5 6	23 25	1 7	22 40	0 14	22 33	0 31	15 8	0 56	0 50	2 20	8 18	0 46	22 40	0 53	16 48	16 40	5 54	5 23	18 35	5 19	5 36
S 26	22 6	15 52	4 58	23 50	1 15	22 52	0 16	22 39	0 32	15 8	0 57	0 52	2 20	8 17	0 46	22 40	0 53	16 48	16 40	5 51	5 21	18 35	5 19	5 36
M27	22 14	12 53	4 32	24 12	1 22	23 3	0 18	22 46	0 32	15 8	0 57	0 54	2 21	8 17	0 46	22 40	0 53	16 48	16 40	5 49	5 20	18 35	5 18	5 36
T 28	22 22	9 14	3 49	24 31	1 29	23 13	0 21	22 52	0 33	15 7	0 57	0 55	2 21	8 17	0 46	22 40	0 53	16 48	16 41	5 48	5 19	18 35	5 18	5 37
W29	22 29	5 12	2 55	24 47	1 35	23 22	0 23	22 58	0 33	15 7	0 58	0 57	2 21	8 17	0 46	22 40	0 53	16 48	16 41	5 47	5 18	18 35	5 18	5 37
T 30	22 36	1 1	1 53	25 1	1 41	23 31	0 25	23 3	0 34	15 7	0 58	0 59	2 21	8 17	0 46	22 40	0 53	16 49	16 41	5 47	5 17	18 34	5 17	5 37
F 31	22n43	3n 5	0n46	25n12	1n45	23n39	0n28	23n 9	0n34	15s 7	0s58	1n 0	2s22	8s17	0s46	22n40	0s53	16s49	16s42	5s48	5s15	18n34	5s17	5n38

Julian Day Number = 2117109.5, Delta T = 18m34s
Ecliptic obliquity = 23°33'20, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°58'32, Lahiri = 11°05'33 Julian Calendar 1 May 1084 == Greg. Calendar 7 May 1084

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1084
geocentric

JUNE 1084 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 2 21	15♊58'28	18♈32	26♊41	21♊25	14♊33	22♒ 8	8♈ 1	10♓47	1♋52	26♓ 8	14°R38	13♎12	28♊36	2°R46	S 1
S 2	17 6 17	16°55'40	0♉52	28°42	22°39	15°13	22° 9	8° 6	10°48	1°54	26° 8	14♎37	13° 8	28°43	2♓46	S 2
M 3	17 10 14	17°52'52	13° 0	0♋41	23°52	15°53	22° 9	8°10	10°48	1°56	26° 8	14°34	13° 5	28°50	2°46	M 3
T 4	17 14 11	18°50'04	25° 2	2°38	25° 6	16°34	22°10	8°14	10°48	1°59	26° 9	14°27	13° 2	28°57	2°45	T 4
W 5	17 18 7	19°47'16	6♊58	4°33	26°20	17°14	22°R10	8°18	10°48	2° 1	26° 9	14°19	12°59	29° 3	2°45	W 5
T 6	17 22 4	20°44'27	18°52	6°26	27°34	17°54	22°10	8°22	10°49	2° 3	26° 9	14° 8	12°56	29°10	2°45	T 6
F 7	17 26 0	21°41'39	0♋43	8°16	28°47	18°34	22° 9	8°26	10°49	2° 5	26°10	13°56	12°53	29°17	2°44	F 7
S 8	17 29 57	22°38'50	12°35	10° 5	0♋ 1	19°14	22° 9	8°30	10°49	2° 7	26°10	13°43	12°49	29°23	2°44	S 8
S 9	17 33 53	23°36'01	24°29	11°52	1°15	19°54	22° 8	8°33	10°R49	2°10	26°10	13°31	12°46	29°30	2°43	S 9
M10	17 37 50	24°33'11	6♌26	13°36	2°28	20°34	22° 7	8°37	10°49	2°12	26°11	13°21	12°43	29°37	2°43	M10
T 11	17 41 47	25°30'22	18°29	15°18	3°42	21°14	22° 6	8°40	10°49	2°14	26°11	13°13	12°40	29°44	2°42	T 11
W12	17 45 43	26°27'32	0♍41	16°58	4°56	21°54	22° 4	8°44	10°49	2°16	26°11	13° 8	12°37	29°50	2°42	W12
T 13	17 49 40	27°24'42	13° 7	18°36	6°10	22°34	22° 3	8°47	10°48	2°19	26°11	13° 6	12°34	29°57	2°41	T 13
F 14	17 53 36	28°21'51	25°49	20°12	7°23	23°14	22° 1	8°50	10°48	2°21	26°11	13°D 5	12°30	0♋ 4	2°40	F 14
S 15	17 57 33	29°19'00	8♎53	21°45	8°37	23°54	21°59	8°53	10°48	2°23	26°11	13°R 5	12°27	0°10	2°39	S 15
S 16	18 1 29	0♋16'09	22°23	23°16	9°51	24°34	21°57	8°56	10°48	2°25	26°11	13° 5	12°24	0°17	2°38	S 16
M17	18 5 26	1°13'18	6♏20	24°46	11° 4	25°13	21°55	8°59	10°47	2°27	26°12	13° 3	12°21	0°24	2°37	M17
T 18	18 9 22	2°10'27	20°45	26°12	12°18	25°53	21°52	9° 2	10°47	2°30	26°12	12°59	12°18	0°31	2°36	T 18
W19	18 13 19	3° 7'36	5♐36	27°37	13°32	26°33	21°50	9° 5	10°47	2°32	26°12	12°53	12°14	0°37	2°35	W19
T 20	18 17 16	4° 4'45	20°46	28°59	14°45	27°12	21°47	9° 8	10°46	2°34	26°R12	12°44	12°11	0°44	2°34	T 20
F 21	18 21 12	5° 1'54	6♑ 5	0♌19	15°59	27°52	21°44	9°10	10°46	2°36	26°12	12°34	12° 8	0°51	2°33	F 21
S 22	18 25 9	5°59'03	21°23	1°37	17°13	28°32	21°41	9°13	10°45	2°39	26°12	12°24	12° 5	0°57	2°32	S 22
S 23	18 29 5	6°56'13	6♒28	2°52	18°26	29°11	21°37	9°15	10°44	2°41	26°12	12°14	12° 2	1° 4	2°31	S 23
M24	18 33 2	7°53'23	21°10	4° 4	19°40	29°51	21°34	9°17	10°44	2°43	26°11	12° 6	11°59	1°11	2°29	M24
T 25	18 36 58	8°50'34	5♓25	5°14	20°54	0♋30	21°30	9°20	10°43	2°45	26°11	12° 1	11°55	1°18	2°28	T 25
W26	18 40 55	9°47'45	19°10	6°22	22° 7	1°10	21°26	9°22	10°42	2°48	26°11	11°58	11°52	1°24	2°26	W26
T 27	18 44 51	10°44'57	2♈27	7°26	23°21	1°49	21°22	9°24	10°41	2°50	26°11	11°57	11°49	1°31	2°25	T 27
F 28	18 48 48	11°42'10	15°19	8°28	24°35	2°28	21°18	9°26	10°41	2°52	26°11	11°57	11°46	1°38	2°23	F 28
S 29	18 52 45	12°39'24	27°50	9°27	25°49	3° 8	21°13	9°27	10°40	2°54	26°11	11°57	11°43	1°45	2°22	S 29
S 30	18 56 41	13♋36'38	10♉ 5	10♌23	27♋ 2	3♋47	21♒ 9	9♈29	10♓39	2♋56	26♓11	11♎55	11♎40	1♋51	2♓20	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n49	6n59	0s21	25n20	1n49	23n46	0n30	23n14	0n35	15s 7	0s58	1n 2	2s22	8s16	0s46	22n40	0s53	16s49	16s42	5s48	5s14	18n34	5s17	5n38
S 2	22 55	10 30	1 26	25 25	1 53	23 53	0 32	23 19	0 35	15 7	0 59	1 3	2 22	8 16	0 47	22 40	0 53	16 49	16 42	5 47	5 13	18 34	5 17	5 38
M 3	23 0	13 31	2 25	25 28	1 55	23 59	0 34	23 24	0 36	15 7	0 59	1 4	2 22	8 16	0 47	22 40	0 53	16 49	16 43	5 46	5 12	18 34	5 17	5 38
T 4	23 5	15 55	3 18	25 29	1 57	24 4	0 37	23 29	0 36	15 7	0 59	1 6	2 23	8 16	0 47	22 40	0 53	16 49	16 43	5 44	5 10	18 34	5 16	5 39
W 5	23 10	17 37	4 1	25 26	1 58	24 9	0 39	23 33	0 37	15 8	1 0	1 7	2 23	8 16	0 47	22 40	0 53	16 50	16 44	5 40	5 9	18 33	5 16	5 39
T 6	23 14	18 33	4 33	25 22	1 58	24 13	0 41	23 37	0 37	15 8	1 0	1 9	2 23	8 16	0 47	22 40	0 53	16 50	16 44	5 36	5 8	18 33	5 16	5 39
F 7	23 18	18 39	4 54	25 15	1 58	24 16	0 43	23 41	0 38	15 8	1 0	1 10	2 23	8 16	0 47	22 40	0 53	16 50	16 44	5 31	5 7	18 33	5 16	5 40
S 8	23 21	17 57	5 2	25 7	1 57	24 18	0 45	23 45	0 38	15 9	1 0	1 11	2 24	8 16	0 47	22 40	0 53	16 50	16 45	5 26	5 5	18 33	5 16	5 40
S 9	23 24	16 28	4 56	24 56	1 55	24 20	0 47	23 49	0 39	15 9	1 1	1 12	2 24	8 16	0 47	22 40	0 53	16 51	16 45	5 22	5 4	18 33	5 16	5 40
M10	23 27	14 16	4 38	24 44	1 53	24 21	0 49	23 52	0 39	15 10	1 1	1 13	2 24	8 16	0 47	22 40	0 53	16 51	16 45	5 18	5 3	18 33	5 16	5 40
T 11	23 29	11 27	4 7	24 30	1 50	24 21	0 51	23 56	0 40	15 11	1 1	1 15	2 24	8 16	0 47	22 40	0 53	16 51	16 46	5 15	5 2	18 32	5 16	5 41
W12	23 30	8 6	3 25	24 14	1 46	24 21	0 53	23 59	0 40	15 11	1 2	1 16	2 25	8 16	0 47	22 40	0 53	16 51	16 46	5 13	5 0	18 32	5 16	5 41
T 13	23 32	4 20	2 32	23 57	1 42	24 20	0 55	24 2	0 41	15 12	1 2	1 17	2 25	8 16	0 47	22 40	0 53	16 52	16 47	5 12	4 59	18 32	5 16	5 41
F 14	23 33	0 17	1 30	23 38	1 37	24 18	0 57	24 4	0 41	15 13	1 2	1 18	2 25	8 16	0 47	22 39	0 53	16 52	16 47	5 11	4 58	18 32	5 16	5 41
S 15	23 33	3s53	0 22	23 18	1 32	24 15	0 59	24 7	0 42	15 14	1 2	1 19	2 25	8 17	0 47	22 39	0 53	16 52	16 47	5 11	4 57	18 32	5 16	5 42
S 16	23 33	8 0	0n49	22 57	1 26	24 12	1 1	24 9	0 42	15 15	1 3	1 20	2 26	8 17	0 47	22 39	0 53	16 52	16 48	5 11	4 55	18 31	5 16	5 42
M17	23 33	11 49	2 0	22 35	1 20	24 8	1 2	24 11	0 43	15 16	1 3	1 21	2 26	8 17	0 47	22 39	0 53	16 53	16 48	5 11	4 54	18 31	5 16	5 42
T 18	23 32	15 3	3 5	22 12	1 13	24 3	1 4	24 13	0 43	15 17	1 3	1 22	2 26	8 17	0 47	22 39	0 53	16 53	16 48	5 9	4 53	18 31	5 16	5 43
W19	23 31	17 24	4 0	21 49	1 6	23 57	1 6	24 14	0 44	15 18	1 4	1 22	2 27	8 17	0 47	22 39	0 53	16 53	16 49	5 7	4 52	18 31	5 16	5 43
T 20	23 30	18 35	4 39	21 24	0 58	23 51	1 8	24 16	0 44	15 19	1 4	1 23	2 27	8 18	0 47	22 39	0 53	16 54	16 49	5 3	4 50	18 31	5 16	5 43
F 21	23 28	18 26	4 59	20 59	0 49	23 44	1 9	24 17	0 45	15 20	1 4	1 24	2 27	8 18	0 47	22 39	0 53	16 54	16 50	4 59	4 49	18 30	5 16	5 43
S 22	23 25	16 57	4 57	20 33	0 40	23 37	1 11	24 18	0 45	15 22	1 4	1 25	2 27	8 18	0 47	22 39	0 53	16 54	16 50	4 55	4 48	18 30	5 17	5 44
S 23	23 22	14 19	4 35	20 7	0 31	23 28	1 12	24 19	0 46	15 23	1 5	1 25	2 28	8 18	0 47	22 39	0 53	16 55	16 50	4 51	4 47	18 30	5 17	5 44
M24	23 19	10 49	3 54	19 41	0 21	23 19	1 14	24 19	0 46	15 25	1 5	1 26	2 28	8 19	0 47	22 39	0 52	16 55	16 51	4 48	4 45	18 30	5 17	5 44
T 25	23 16	6 47	3 0	19 14	0 11	23 9	1 15	24 20	0 47	15 26	1 5	1 27	2 28	8 19	0 47	22 39	0 52	16 56	16 51	4 46	4 44	18 29	5 17	5 44
W26	23 12	2 30	1 57	18 47	0 1	22 59	1 16	24 20	0 47	15 28	1 6	1 27	2 28	8 19	0 47	22 39	0 52	16 56	16 51	4 45	4 43	18 29	5 18	5 44
T 27	23 7	1n45	0 50	18 20	0s10	22 48	1 18	24 20	0 47	15 29	1 6	1 28	2 29	8 20	0 47	22 39	0 52	16 56	16 52	4 45	4 42	18 29	5 18	5 45
F 28	23 2	5 47	0s18	17 54	0 21	22 36	1 19	24 20	0 48	15 31	1 6	1 28	2 29	8 20	0 48	22 39	0 52	16 57	16 52	4 45	4 40	18 29	5 18	5 45
S 29	22 57	9 28	1 23	17 27	0 33	22 24	1 20	24 19	0 48	15 32	1 6	1 29	2 29	8 20	0 48	22 39	0 52	16 57	16 52	4 45	4 39	18 29	5 19	5 45
S 30	22n51	12n39	2s23	17n 0	0s44	22n11	1n21	24n19	0n49	15s34	1s 7	1n29	2s30	8s21	0s48	22n39	0s52	16s58	16s53	4s44	4s38	18n28	5s19	5n45

Julian Day Number = 2117140.5, Delta T = 18m34s
Ecliptic obliquity = 23°33'19, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°58'36, Lahiri = 11°05'37 Julian Calendar 1 June 1084 == Greg. Calendar 7 June 1084

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1084
geocentric

JULY 1084 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 0 38	14♋33'53	22♉ 8	11♌16	28♋16	4♋26	21°R 4	9♈31	10°R38	2♋59	26°R10	11°R51	11♎36	1♋58	2°R19	M 1
T 2	19 4 34	15°31'09	4♊ 4	12° 6	29°30	5° 6	20♒59	9°32	10♓37	3° 1	26♓10	11♎44	11°33	2° 5	2♓17	T 2
W 3	19 8 31	16°28'26	15°56	12°52	0♌43	5°45	20°54	9°34	10°36	3° 3	26°10	11°34	11°30	2°11	2°15	W 3
T 4	19 12 27	17°25'44	27°47	13°35	1°57	6°24	20°49	9°35	10°34	3° 5	26° 9	11°22	11°27	2°18	2°13	T 4
F 5	19 16 24	18°23'03	9♋39	14°14	3°11	7° 3	20°43	9°36	10°33	3° 7	26° 9	11° 9	11°24	2°25	2°11	F 5
S 6	19 20 20	19°20'22	21°34	14°49	4°24	7°42	20°38	9°37	10°32	3° 9	26° 9	10°55	11°20	2°32	2°10	S 6
S 7	19 24 17	20°17'42	3♌33	15°20	5°38	8°22	20°32	9°38	10°31	3°12	26° 8	10°42	11°17	2°38	2° 8	S 7
M 8	19 28 14	21°15'02	15°37	15°47	6°52	9° 1	20°26	9°39	10°30	3°14	26° 8	10°31	11°14	2°45	2° 6	M 8
T 9	19 32 10	22°12'24	27°47	16°10	8° 6	9°40	20°20	9°40	10°28	3°16	26° 8	10°22	11°11	2°52	2° 4	T 9
W10	19 36 7	23° 9'46	10♍ 7	16°28	9°19	10°19	20°14	9°41	10°27	3°18	26° 7	10°16	11° 8	2°58	2° 1	W10
T 11	19 40 3	24° 7'08	22°38	16°41	10°33	10°58	20° 8	9°41	10°25	3°20	26° 7	10°13	11° 5	3° 5	1°59	T 11
F 12	19 44 0	25° 4'32	5♎23	16°49	11°47	11°37	20° 2	9°42	10°24	3°22	26° 6	10°D12	11° 1	3°12	1°57	F 12
S 13	19 47 56	26° 1'56	18°27	16°R52	13° 0	12°16	19°55	9°42	10°23	3°24	26° 6	10°12	10°58	3°19	1°55	S 13
S 14	19 51 53	26°59'20	1♏51	16°51	14°14	12°54	19°49	9°42	10°21	3°26	26° 5	10°R12	10°55	3°25	1°53	S 14
M15	19 55 49	27°56'46	15°40	16°43	15°28	13°33	19°42	9°42	10°19	3°29	26° 5	10°11	10°52	3°32	1°51	M15
T 16	19 59 46	28°54'12	29°54	16°31	16°41	14°12	19°35	9°R42	10°18	3°31	26° 4	10° 8	10°49	3°39	1°48	T 16
W17	20 3 43	29°51'39	14♐31	16°13	17°55	14°51	19°28	9°42	10°16	3°33	26° 4	10° 2	10°46	3°46	1°46	W17
T 18	20 7 39	0♌49'07	29°28	15°50	19° 9	15°30	19°21	9°42	10°15	3°35	26° 3	9°54	10°42	3°52	1°44	T 18
F 19	20 11 36	1°46'36	14♑37	15°23	20°22	16° 8	19°14	9°42	10°13	3°37	26° 3	9°45	10°39	3°59	1°41	F 19
S 20	20 15 32	2°44'05	29°47	14°50	21°36	16°47	19° 7	9°42	10°11	3°39	26° 2	9°35	10°36	4° 6	1°39	S 20
S 21	20 19 29	3°41'36	14♒49	14°13	22°49	17°26	19° 0	9°41	10° 9	3°41	26° 1	9°26	10°33	4°12	1°36	S 21
M22	20 23 25	4°39'08	29°32	13°32	24° 3	18° 5	18°52	9°40	10° 8	3°43	26° 1	9°19	10°30	4°19	1°34	M22
T 23	20 27 22	5°36'42	13♓51	12°47	25°17	18°43	18°45	9°40	10° 6	3°45	26° 0	9°14	10°26	4°26	1°31	T 23
W24	20 31 18	6°34'17	27°42	12° 0	26°30	19°22	18°37	9°39	10° 4	3°47	25°59	9°12	10°23	4°33	1°29	W24
T 25	20 35 15	7°31'53	11♈ 4	11°11	27°44	20° 0	18°30	9°38	10° 2	3°49	25°59	9°D11	10°20	4°39	1°26	T 25
F 26	20 39 12	8°29'31	23°59	10°20	28°57	20°39	18°22	9°37	10° 0	3°50	25°58	9°12	10°17	4°46	1°23	F 26
S 27	20 43 8	9°27'11	6♉33	9°30	0♍11	21°17	18°15	9°36	9°58	3°52	25°57	9°R13	10°14	4°53	1°21	S 27
S 28	20 47 5	10°24'52	18°49	8°40	1°25	21°56	18° 7	9°35	9°56	3°54	25°56	9°12	10°11	5° 0	1°18	S 28
M29	20 51 1	11°22'35	0♊52	7°53	2°38	22°34	17°59	9°34	9°54	3°56	25°56	9°10	10° 7	5° 6	1°15	M29
T 30	20 54 58	12°20'19	12°47	7° 8	3°52	23°13	17°51	9°32	9°52	3°58	25°55	9° 6	10° 4	5°13	1°13	T 30
W31	20 58 54	13♌18'06	24♊38	6♌26	5♍ 5	23♋51	17♒43	9♈31	9♓50	4♋ 0	25♓54	8♎59	10♎ 1	5♋20	1♓10	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n45	15n15	3s15	16n34	0s57	21n57	1n22	24n18	0n49	15s36	1s 7	1n29	2s30	8s21	0s48	22n39	0s52	16s58	16s53	4s42	4s37	18n28	5s19	5n46
T 2	22 39	17 10	3 58	16 9	1 9	21 43	1 23	24 17	0 50	15 38	1 7	1 30	2 30	8 21	0 48	22 39	0 52	16 58	16 54	4 40	4 35	18 28	5 20	5 46
W 3	22 32	18 19	4 31	15 44	1 21	21 28	1 24	24 16	0 50	15 40	1 7	1 30	2 30	8 22	0 48	22 39	0 52	16 59	16 54	4 36	4 34	18 28	5 20	5 46
T 4	22 25	18 41	4 52	15 19	1 34	21 12	1 25	24 14	0 50	15 42	1 8	1 30	2 31	8 22	0 48	22 39	0 52	16 59	16 54	4 31	4 33	18 27	5 21	5 46
F 5	22 17	18 13	5 0	14 56	1 47	20 56	1 26	24 13	0 51	15 44	1 8	1 31	2 31	8 23	0 48	22 39	0 52	17 0	16 55	4 26	4 32	18 27	5 21	5 46
S 6	22 9	16 58	4 55	14 33	2 0	20 39	1 26	24 11	0 51	15 46	1 8	1 31	2 31	8 23	0 48	22 39	0 52	17 0	16 55	4 21	4 30	18 27	5 22	5 47
S 7	22 1	14 58	4 37	14 11	2 13	20 22	1 27	24 9	0 52	15 48	1 8	1 31	2 32	8 24	0 48	22 39	0 52	17 1	16 55	4 15	4 29	18 27	5 22	5 47
M 8	21 52	12 19	4 6	13 51	2 27	20 4	1 28	24 7	0 52	15 50	1 9	1 31	2 32	8 24	0 48	22 39	0 52	17 1	16 56	4 11	4 28	18 26	5 23	5 47
T 9	21 43	9 6	3 24	13 32	2 40	19 45	1 28	24 5	0 53	15 52	1 9	1 31	2 32	8 25	0 48	22 38	0 52	17 2	16 56	4 7	4 27	18 26	5 23	5 47
W10	21 33	5 28	2 32	13 14	2 53	19 26	1 29	24 2	0 53	15 54	1 9	1 31	2 32	8 25	0 48	22 38	0 52	17 2	16 56	4 5	4 25	18 26	5 24	5 47
T 11	21 24	1 32	1 32	12 58	3 5	19 6	1 29	23 59	0 53	15 56	1 9	1 31	2 33	8 26	0 48	22 38	0 52	17 2	16 57	4 4	4 24	18 25	5 24	5 48
F 12	21 13	2s32	0 25	12 43	3 18	18 46	1 30	23 56	0 54	15 58	1 9	1 31	2 33	8 27	0 48	22 38	0 52	17 3	16 57	4 3	4 23	18 25	5 25	5 48
S 13	21 3	6 35	0n44	12 31	3 30	18 26	1 30	23 53	0 54	16 1	1 10	1 31	2 33	8 27	0 48	22 38	0 52	17 3	16 57	4 3	4 22	18 25	5 26	5 48
S 14	20 52	10 25	1 52	12 20	3 42	18 4	1 30	23 50	0 55	16 3	1 10	1 31	2 34	8 28	0 48	22 38	0 52	17 4	16 58	4 3	4 20	18 25	5 26	5 48
M15	20 40	13 48	2 56	12 11	3 53	17 43	1 30	23 46	0 55	16 5	1 10	1 30	2 34	8 28	0 48	22 38	0 52	17 4	16 58	4 3	4 19	18 24	5 27	5 48
T 16	20 29	16 27	3 52	12 5	4 4	17 21	1 30	23 43	0 56	16 8	1 10	1 30	2 34	8 29	0 48	22 38	0 52	17 5	16 58	4 2	4 18	18 24	5 27	5 48
W17	20 17	18 8	4 33	12 1	4 14	16 58	1 30	23 39	0 56	16 10	1 11	1 30	2 34	8 30	0 48	22 38	0 52	17 5	16 59	4 0	4 17	18 24	5 28	5 49
T 18	20 4	18 36	4 58	11 59	4 22	16 35	1 30	23 35	0 56	16 12	1 11	1 30	2 35	8 30	0 48	22 38	0 52	17 6	16 59	3 57	4 15	18 23	5 29	5 49
F 19	19 52	17 45	5 1	12 0	4 30	16 11	1 30	23 31	0 57	16 15	1 11	1 29	2 35	8 31	0 48	22 38	0 52	17 7	16 59	3 53	4 14	18 23	5 30	5 49
S 20	19 39	15 40	4 44	12 3	4 36	15 47	1 30	23 26	0 57	16 17	1 11	1 29	2 35	8 32	0 48	22 38	0 52	17 7	17 0	3 49	4 13	18 23	5 30	5 49
S 21	19 25	12 31	4 7	12 9	4 41	15 23	1 30	23 22	0 58	16 20	1 11	1 28	2 36	8 32	0 48	22 38	0 52	17 8	17 0	3 45	4 12	18 23	5 31	5 49
M22	19 12	8 39	3 15	12 17	4 45	14 58	1 29	23 17	0 58	16 22	1 11	1 28	2 36	8 33	0 48	22 38	0 52	17 8	17 0	3 43	4 10	18 22	5 32	5 49
T 23	18 58	4 22	2 11	12 28	4 47	14 33	1 29	23 12	0 58	16 25	1 12	1 27	2 36	8 34	0 48	22 38	0 52	17 9	17 0	3 41	4 9	18 22	5 33	5 49
W24	18 43	0n 1	1 1	12 41	4 47	14 8	1 28	23 7	0 59	16 27	1 12	1 27	2 36	8 35	0 48	22 38	0 52	17 9	17 1	3 40	4 8	18 22	5 33	5 49
T 25	18 29	4 15	0s10	12 56	4 45	13 42	1 28	23 2	0 59	16 30	1 12	1 26	2 37	8 35	0 48	22 38	0 52	17 10	17 1	3 40	4 7	18 21	5 34	5 50
F 26	18 14	8 8	1 18	13 13	4 41	13 15	1 27	22 56	0 59	16 32	1 12	1 25	2 37	8 36	0 48	22 37	0 52	17 10	17 1	3 40	4 5	18 21	5 35	5 50
S 27	17 58	11 33	2 21	13 32	4 36	12 49	1 27	22 51	1 0	16 35	1 12	1 25	2 37	8 37	0 48	22 37	0 52	17 11	17 2	3 40	4 4	18 21	5 36	5 50
S 28	17 43	14 22	3 15	13 51	4 29	12 22	1 26	22 45	1 0	16 37	1 12	1 24	2 38	8 38	0 48	22 37	0 53	17 11	17 2	3 40	4 3	18 20	5 37	5 50
M29	17 27	16 31	4 0	14 12	4 19	11 54	1 25	22 39	1 1	16 40	1 13	1 23	2 38	8 38	0 48	22 37	0 53	17 12	17 2	3 39	4 2	18 20	5 38	5 50
T 30	17 11	17 55	4 34	14 34	4 9	11 27	1 24	22 33	1 1	16 42	1 13	1 23	2 38	8 39	0 48	22 37	0 53	17 12	17 2	3 37	4 0	18 20	5 38	5 50
W31	16n54	18n31	4s56	14n56	3s56	10n59	1n23	22n27	1n 1	16s45	1s13	1n22	2s38	8s40	0s48	22n37	0s53	17s13	17s 3	3s35	3s59	18n19	5s39	5n50

Julian Day Number = 2117170.5, Delta T = 18m34s
Ecliptic obliquity = 23°33'19, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°58'41, Lahiri = 11°05'41 Julian Calendar 1 July 1084 == Greg. Calendar 7 July 1084

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1084
geocentric

AUGUST 1084 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 2 51	14♌15'53	6♋30	5°R50	6♍19	24♋30	17°R36	9°R29	9°R48	4♋ 2	25°R53	8°R51	9♎58	5♋26	1°R 7	T 1
F 2	21 6 47	15°13'43	18°25	5♌19	7°32	25° 8	17♒28	9♈27	9♓46	4° 3	25♓52	8♎41	9°55	5°33	1♓ 4	F 2
S 3	21 10 44	16°11'34	0♌24	4°54	8°46	25°47	17°20	9°26	9°44	4° 5	25°52	8°31	9°52	5°40	1° 2	S 3
S 4	21 14 41	17° 9'27	12°31	4°36	10° 0	26°25	17°12	9°24	9°42	4° 7	25°51	8°22	9°48	5°47	0°59	S 4
M 5	21 18 37	18° 7'21	24°46	4°25	11°13	27° 3	17° 4	9°22	9°39	4° 9	25°50	8°14	9°45	5°53	0°56	M 5
T 6	21 22 34	19° 5'17	7♍10	4°D22	12°27	27°41	16°56	9°20	9°37	4°10	25°49	8° 7	9°42	6° 0	0°53	T 6
W 7	21 26 30	20° 3'14	19°43	4°26	13°40	28°20	16°48	9°17	9°35	4°12	25°48	8° 4	9°39	6° 7	0°50	W 7
T 8	21 30 27	21° 1'13	2♎28	4°39	14°54	28°58	16°40	9°15	9°33	4°14	25°47	8°D 2	9°36	6°13	0°47	T 8
F 9	21 34 23	21°59'13	15°26	5° 0	16° 7	29°36	16°33	9°13	9°31	4°15	25°46	8° 2	9°32	6°20	0°45	F 9
S 10	21 38 20	22°57'14	28°38	5°30	17°21	0♌14	16°25	9°10	9°28	4°17	25°45	8° 3	9°29	6°27	0°42	S 10
S 11	21 42 16	23°55'17	12♏ 6	6° 7	18°34	0°53	16°17	9° 8	9°26	4°18	25°44	8° 4	9°26	6°34	0°39	S 11
M12	21 46 13	24°53'22	25°52	6°52	19°47	1°31	16° 9	9° 5	9°24	4°20	25°43	8°R 5	9°23	6°40	0°36	M12
T 13	21 50 10	25°51'28	9♐57	7°45	21° 1	2° 9	16° 2	9° 2	9°21	4°22	25°42	8° 4	9°20	6°47	0°33	T 13
W14	21 54 6	26°49'35	24°19	8°45	22°14	2°47	15°54	9° 0	9°19	4°23	25°41	8° 1	9°17	6°54	0°30	W14
T 15	21 58 3	27°47'44	8♑56	9°51	23°28	3°25	15°46	8°57	9°17	4°25	25°40	7°57	9°13	7° 1	0°27	T 15
F 16	22 1 59	28°45'54	23°42	11° 5	24°41	4° 3	15°39	8°54	9°14	4°26	25°39	7°52	9°10	7° 7	0°24	F 16
S 17	22 5 56	29°44'06	8♒31	12°24	25°54	4°41	15°31	8°51	9°12	4°28	25°38	7°46	9° 7	7°14	0°21	S 17
S 18	22 9 52	0♍42'20	23°14	13°49	27° 8	5°19	15°24	8°48	9°10	4°29	25°37	7°41	9° 4	7°21	0°18	S 18
M19	22 13 49	1°40'35	7♓45	15°18	28°21	5°57	15°17	8°44	9° 7	4°30	25°36	7°36	9° 1	7°27	0°15	M19
T 20	22 17 45	2°38'52	21°56	16°53	29°34	6°35	15°10	8°41	9° 5	4°32	25°35	7°34	8°57	7°34	0°13	T 20
W21	22 21 42	3°37'11	5♈44	18°31	0♎48	7°13	15° 2	8°38	9° 3	4°33	25°34	7°D33	8°54	7°41	0°10	W21
T 22	22 25 38	4°35'32	19° 6	20°12	2° 1	7°51	14°55	8°34	9° 0	4°34	25°33	7°33	8°51	7°48	0° 7	T 22
F 23	22 29 35	5°33'56	2♉ 5	21°56	3°14	8°28	14°49	8°31	8°58	4°36	25°32	7°35	8°48	7°54	0° 4	F 23
S 24	22 33 32	6°32'21	14°42	23°43	4°27	9° 6	14°42	8°27	8°55	4°37	25°31	7°36	8°45	8° 1	0° 1	S 24
S 25	22 37 28	7°30'49	27° 1	25°31	5°41	9°44	14°35	8°23	8°53	4°38	25°30	7°38	8°42	8° 8	29♒58	S 25
M26	22 41 25	8°29'19	9♊ 6	27°21	6°54	10°22	14°28	8°20	8°51	4°39	25°28	7°R38	8°38	8°14	29°55	M26
T 27	22 45 21	9°27'51	21° 3	29°12	8° 7	11° 0	14°22	8°16	8°48	4°41	25°27	7°37	8°35	8°21	29°52	T 27
W28	22 49 18	10°26'25	2♋55	1♍ 3	9°20	11°37	14°16	8°12	8°46	4°42	25°26	7°36	8°32	8°28	29°49	W28
T 29	22 53 14	11°25'01	14°48	2°55	10°33	12°15	14° 9	8° 8	8°43	4°43	25°25	7°33	8°29	8°35	29°47	T 29
F 30	22 57 11	12°23'40	26°46	4°48	11°46	12°53	14° 3	8° 4	8°41	4°44	25°24	7°29	8°26	8°41	29°44	F 30
S 31	23 1 7	13♍22'21	8♌51	6♍40	13♎ 0	13♌31	13♒57	8♈ 0	8♓39	4♋45	25♓23	7♎25	8♎23	8♋48	29♒41	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n38	18n19	5s 5	15n19	3s42	10n31	1n22	22n20	1n 2	16s48	1s13	1n21	2s39	8s41	0s48	22n37	0s53	17s14	17s 3	3s32	3s58	18n19	5s40	5n50
F 2	16 21	17 19	5 1	15 41	3 27	10 2	1 21	22 14	1 2	16 50	1 13	1 20	2 39	8 42	0 48	22 37	0 53	17 14	17 3	3 28	3 57	18 19	5 41	5 50
S 3	16 4	15 33	4 44	16 2	3 11	9 33	1 20	22 7	1 2	16 53	1 13	1 19	2 39	8 42	0 48	22 37	0 53	17 15	17 3	3 24	3 55	18 18	5 42	5 50
S 4	15 46	13 5	4 13	16 23	2 54	9 4	1 19	22 0	1 3	16 55	1 13	1 18	2 39	8 43	0 48	22 37	0 53	17 15	17 4	3 20	3 54	18 18	5 43	5 50
M 5	15 28	10 1	3 31	16 42	2 37	8 35	1 17	21 53	1 3	16 58	1 13	1 17	2 40	8 44	0 49	22 37	0 53	17 16	17 4	3 17	3 53	18 18	5 44	5 50
T 6	15 10	6 28	2 38	17 1	2 19	8 6	1 16	21 46	1 4	17 0	1 14	1 16	2 40	8 45	0 49	22 37	0 53	17 16	17 4	3 14	3 52	18 17	5 45	5 50
W 7	14 52	2 36	1 37	17 17	2 1	7 36	1 15	21 38	1 4	17 3	1 14	1 15	2 40	8 46	0 49	22 37	0 53	17 17	17 4	3 13	3 50	18 17	5 46	5 50
T 8	14 34	1s27	0 30	17 32	1 43	7 6	1 13	21 31	1 4	17 5	1 14	1 14	2 40	8 47	0 49	22 37	0 53	17 18	17 5	3 12	3 49	18 17	5 47	5 50
F 9	14 15	5 29	0n40	17 44	1 25	6 36	1 11	21 23	1 5	17 8	1 14	1 13	2 41	8 47	0 49	22 37	0 53	17 18	17 5	3 12	3 48	18 16	5 48	5 50
S 10	13 56	9 20	1 49	17 54	1 7	6 6	1 10	21 15	1 5	17 10	1 14	1 11	2 41	8 48	0 49	22 37	0 53	17 19	17 5	3 12	3 47	18 16	5 49	5 50
S 11	13 37	12 47	2 54	18 2	0 50	5 35	1 8	21 7	1 5	17 12	1 14	1 10	2 41	8 49	0 49	22 36	0 53	17 19	17 5	3 13	3 45	18 16	5 50	5 50
M12	13 17	15 36	3 50	18 6	0 33	5 5	1 6	20 59	1 6	17 15	1 14	1 9	2 41	8 50	0 49	22 36	0 53	17 20	17 5	3 13	3 44	18 15	5 51	5 50
T 13	12 58	17 32	4 34	18 9	0 17	4 34	1 5	20 51	1 6	17 17	1 14	1 8	2 42	8 51	0 49	22 36	0 53	17 20	17 6	3 13	3 43	18 15	5 52	5 50
W14	12 38	18 25	5 1	18 8	0 2	4 3	1 3	20 43	1 6	17 20	1 14	1 6	2 42	8 52	0 49	22 36	0 53	17 21	17 6	3 12	3 42	18 14	5 53	5 50
T 15	12 18	18 6	5 10	18 4	0n12	3 32	1 1	20 34	1 7	17 22	1 14	1 5	2 42	8 53	0 49	22 36	0 53	17 22	17 6	3 10	3 40	18 14	5 54	5 50
F 16	11 58	16 34	4 58	17 57	0 26	3 1	0 59	20 25	1 7	17 24	1 14	1 4	2 42	8 54	0 49	22 36	0 53	17 22	17 6	3 8	3 39	18 14	5 55	5 50
S 17	11 37	13 56	4 27	17 47	0 38	2 30	0 57	20 17	1 7	17 26	1 14	1 2	2 42	8 55	0 49	22 36	0 53	17 23	17 6	3 6	3 38	18 13	5 56	5 50
S 18	11 17	10 25	3 38	17 33	0 50	1 59	0 55	20 8	1 8	17 29	1 14	1 1	2 43	8 55	0 49	22 36	0 53	17 23	17 7	3 4	3 37	18 13	5 57	5 50
M19	10 56	6 18	2 35	17 17	1 0	1 28	0 52	19 59	1 8	17 31	1 14	0 59	2 43	8 56	0 49	22 36	0 53	17 24	17 7	3 2	3 35	18 13	5 58	5 50
T 20	10 35	1 56	1 24	16 58	1 10	0 56	0 50	19 49	1 8	17 33	1 14	0 58	2 43	8 57	0 49	22 36	0 53	17 24	17 7	3 1	3 34	18 12	5 59	5 50
W21	10 14	2n26	0 10	16 35	1 18	0 25	0 48	19 40	1 9	17 35	1 14	0 56	2 43	8 58	0 49	22 36	0 53	17 25	17 7	3 1	3 33	18 12	6 0	5 50
T 22	9 52	6 33	1s 3	16 10	1 25	0s 7	0 46	19 31	1 9	17 37	1 14	0 55	2 43	8 59	0 49	22 36	0 53	17 26	17 7	3 1	3 32	18 11	6 2	5 50
F 23	9 31	10 13	2 10	15 42	1 32	0 38	0 43	19 21	1 9	17 39	1 14	0 53	2 44	9 0	0 49	22 36	0 53	17 26	17 7	3 1	3 30	18 11	6 3	5 50
S 24	9 9	13 19	3 9	15 12	1 37	1 9	0 41	19 11	1 10	17 41	1 14	0 52	2 44	9 1	0 49	22 36	0 53	17 27	17 7	3 2	3 29	18 11	6 4	5 50
S 25	8 48	15 43	3 58	14 40	1 41	1 41	0 38	19 1	1 10	17 43	1 14	0 50	2 44	9 2	0 49	22 36	0 53	17 27	17 8	3 2	3 28	18 10	6 5	5 50
M26	8 26	17 23	4 36	14 5	1 45	2 12	0 36	18 51	1 10	17 45	1 14	0 48	2 44	9 3	0 49	22 36	0 53	17 28	17 8	3 3	3 27	18 10	6 6	5 50
T 27	8 4	18 15	5 0	13 29	1 47	2 44	0 33	18 41	1 11	17 47	1 14	0 47	2 44	9 4	0 49	22 36	0 53	17 28	17 8	3 2	3 25	18 9	6 7	5 49
W28	7 41	18 19	5 12	12 51	1 49	3 15	0 31	18 31	1 11	17 49	1 14	0 45	2 45	9 4	0 49	22 35	0 53	17 29	17 8	3 2	3 24	18 9	6 8	5 49
T 29	7 19	17 35	5 11	12 11	1 50	3 46	0 28	18 21	1 11	17 51	1 14	0 43	2 45	9 5	0 49	22 35	0 53	17 30	17 8	3 0	3 23	18 8	6 9	5 49
F 30	6 57	16 4	4 56	11 30	1 50	4 17	0 25	18 10	1 12	17 52	1 14	0 42	2 45	9 6	0 49	22 35	0 53	17 30	17 8	2 59	3 21	18 8	6 10	5 49
S 31	6n34	13n50	4s28	10n48	1n49	4s49	0n22	18n 0	1n12	17s54	1s14	0n40	2s45	9s 7	0s49	22n35	0s53	17s31	17s 8	2s57	3s20	18n 8	6s11	5n49

Julian Day Number = 2117201.5, Delta T = 18m34s
Ecliptic obliquity = 23°33'19, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°58'45, Lahiri = 11°05'45 Julian Calendar 1 Aug. 1084 == Greg. Calendar 7 Aug. 1084

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1084
geocentric

SEPTEMBER 1084 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 5 4	14♍21'04	21♌ 6	8♍32	14♎13	14♌ 8	13°R52	7°R56	8°R36	4♋46	25°R22	7°R21	8♎19	8♋55	29°R38	S 1
M 2	23 9 1	15°19'49	3♍33	10°24	15°26	14°46	13♒46	7♈52	8♓34	4°47	25♓20	7♎17	8°16	9° 2	29♒35	M 2
T 3	23 12 57	16°18'36	16°12	12°15	16°39	15°23	13°40	7°47	8°31	4°48	25°19	7°15	8°13	9° 8	29°33	T 3
W 4	23 16 54	17°17'25	29° 5	14° 6	17°52	16° 1	13°35	7°43	8°29	4°49	25°18	7°14	8°10	9°15	29°30	W 4
T 5	23 20 50	18°16'16	12♎12	15°55	19° 5	16°39	13°30	7°39	8°27	4°50	25°17	7°D14	8° 7	9°22	29°27	T 5
F 6	23 24 47	19°15'09	25°31	17°45	20°18	17°16	13°25	7°35	8°24	4°51	25°16	7°15	8° 3	9°28	29°24	F 6
S 7	23 28 43	20°14'04	9♏ 2	19°33	21°31	17°54	13°20	7°30	8°22	4°51	25°15	7°16	8° 0	9°35	29°22	S 7
S 8	23 32 40	21°13'01	22°45	21°21	22°44	18°31	13°15	7°26	8°20	4°52	25°13	7°17	7°57	9°42	29°19	S 8
M 9	23 36 36	22°12'00	6♐40	23° 8	23°57	19° 9	13°11	7°21	8°17	4°53	25°12	7°18	7°54	9°49	29°16	M 9
T 10	23 40 33	23°11'00	20°44	24°54	25°10	19°46	13° 6	7°17	8°15	4°54	25°11	7°R18	7°51	9°55	29°14	T 10
W11	23 44 30	24°10'03	4♑57	26°39	26°23	20°24	13° 2	7°12	8°13	4°55	25°10	7°18	7°48	10° 2	29°11	W11
T 12	23 48 26	25° 9'07	19°16	28°23	27°36	21° 1	12°58	7° 7	8°10	4°55	25° 9	7°17	7°44	10° 9	29° 9	T 12
F 13	23 52 23	26° 8'12	3♒38	0♎ 6	28°49	21°38	12°54	7° 3	8° 8	4°56	25° 8	7°16	7°41	10°16	29° 6	F 13
S 14	23 56 19	27° 7'20	17°59	1°49	0♏ 1	22°16	12°51	6°58	8° 6	4°56	25° 6	7°15	7°38	10°22	29° 4	S 14
S 15	0 0 16	28° 6'29	2♓14	3°30	1°14	22°53	12°47	6°54	8° 4	4°57	25° 5	7°14	7°35	10°29	29° 1	S 15
M16	0 4 12	29° 5'41	16°20	5°11	2°27	23°30	12°44	6°49	8° 2	4°58	25° 4	7°13	7°32	10°36	28°59	M16
T 17	0 8 9	0♎ 4'54	0♈11	6°51	3°40	24° 7	12°41	6°44	7°59	4°58	25° 3	7°13	7°29	10°42	28°56	T 17
W18	0 12 5	1° 4'09	13°45	8°31	4°52	24°45	12°38	6°39	7°57	4°59	25° 2	7°D13	7°25	10°49	28°54	W18
T 19	0 16 2	2° 3'27	27° 0	10° 9	6° 5	25°22	12°35	6°35	7°55	4°59	25° 0	7°13	7°22	10°56	28°52	T 19
F 20	0 19 58	3° 2'47	9♉56	11°47	7°18	25°59	12°33	6°30	7°53	5° 0	24°59	7°13	7°19	11° 3	28°50	F 20
S 21	0 23 55	4° 2'09	22°32	13°24	8°30	26°36	12°30	6°25	7°51	5° 0	24°58	7°14	7°16	11° 9	28°47	S 21
S 22	0 27 52	5° 1'33	4♊53	15° 0	9°43	27°13	12°28	6°20	7°49	5° 0	24°57	7°14	7°13	11°16	28°45	S 22
M23	0 31 48	6° 1'00	17° 0	16°36	10°56	27°51	12°26	6°16	7°47	5° 1	24°56	7°14	7° 9	11°23	28°43	M23
T 24	0 35 45	7° 0'29	28°58	18°10	12° 8	28°28	12°25	6°11	7°45	5° 1	24°55	7°14	7° 6	11°29	28°41	T 24
W25	0 39 41	8° 0'01	10♋51	19°45	13°21	29° 5	12°23	6° 6	7°43	5° 1	24°54	7°14	7° 3	11°36	28°39	W25
T 26	0 43 38	8°59'34	22°44	21°18	14°33	29°42	12°22	6° 1	7°41	5° 1	24°52	7°14	7° 0	11°43	28°37	T 26
F 27	0 47 34	9°59'10	4♌42	22°51	15°46	0♍19	12°21	5°57	7°39	5° 1	24°51	7°15	6°57	11°50	28°35	F 27
S 28	0 51 31	10°58'49	16°49	24°23	16°58	0°56	12°20	5°52	7°37	5° 2	24°50	7°15	6°54	11°56	28°33	S 28
S 29	0 55 27	11°58'29	29° 9	25°55	18°10	1°33	12°19	5°47	7°35	5° 2	24°49	7°15	6°50	12° 3	28°31	S 29
M30	0 59 24	12♎58'12	11♍45	27♎26	19♏23	2♍10	12♒18	5♈42	7♓33	5♋ 2	24♓48	7♎16	6♎47	12♋10	28♒29	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n11	10n57	3s47	10n 5	1n48	5s20	0n20	17n49	1n12	17s56	1s14	0n38	2s45	9s 8	0s49	22n35	0s53	17s31	17s 8	2s56	3s19	18n 7	6s12	5n49
M 2	5 49	7 32	2 55	9 21	1 46	5 51	0 17	17 39	1 13	17 57	1 14	0 36	2 45	9 9	0 49	22 35	0 53	17 32	17 8	2 54	3 18	18 7	6 14	5 49
T 3	5 26	3 44	1 53	8 36	1 44	6 22	0 14	17 28	1 13	17 59	1 14	0 34	2 45	9 10	0 49	22 35	0 53	17 32	17 8	2 54	3 16	18 6	6 15	5 49
W 4	5 3	0s19	0 45	7 50	1 41	6 52	0 11	17 17	1 13	18 0	1 14	0 33	2 46	9 11	0 49	22 35	0 53	17 33	17 9	2 53	3 15	18 6	6 16	5 48
T 5	4 40	4 25	0n27	7 5	1 38	7 23	0 8	17 6	1 14	18 2	1 14	0 31	2 46	9 12	0 49	22 35	0 53	17 33	17 9	2 53	3 14	18 5	6 17	5 48
F 6	4 16	8 22	1 39	6 18	1 34	7 53	0 5	16 54	1 14	18 3	1 14	0 29	2 46	9 13	0 49	22 35	0 53	17 34	17 9	2 53	3 13	18 5	6 18	5 48
S 7	3 53	11 57	2 47	5 32	1 30	8 24	0 2	16 43	1 14	18 5	1 14	0 27	2 46	9 13	0 49	22 35	0 53	17 34	17 9	2 54	3 11	18 5	6 19	5 48
S 8	3 30	14 55	3 46	4 45	1 25	8 54	0s 1	16 32	1 15	18 6	1 14	0 25	2 46	9 14	0 49	22 35	0 53	17 35	17 9	2 54	3 10	18 4	6 20	5 48
M 9	3 7	17 3	4 32	3 58	1 21	9 24	0 4	16 20	1 15	18 7	1 14	0 23	2 46	9 15	0 49	22 35	0 53	17 35	17 9	2 55	3 9	18 4	6 21	5 47
T 10	2 43	18 11	5 3	3 12	1 16	9 53	0 7	16 9	1 15	18 8	1 14	0 22	2 46	9 16	0 49	22 35	0 53	17 36	17 9	2 55	3 8	18 3	6 22	5 47
W11	2 20	18 12	5 16	2 25	1 10	10 23	0 10	15 57	1 16	18 9	1 13	0 20	2 46	9 17	0 49	22 35	0 53	17 36	17 9	2 55	3 6	18 3	6 23	5 47
T 12	1 56	17 3	5 9	1 38	1 5	10 52	0 13	15 45	1 16	18 11	1 13	0 18	2 46	9 18	0 49	22 35	0 53	17 37	17 9	2 54	3 5	18 2	6 24	5 47
F 13	1 33	14 50	4 44	0 51	0 59	11 21	0 16	15 34	1 16	18 12	1 13	0 16	2 46	9 19	0 49	22 35	0 53	17 37	17 9	2 54	3 4	18 2	6 25	5 47
S 14	1 9	11 42	4 0	0 5	0 53	11 50	0 19	15 22	1 16	18 12	1 13	0 14	2 47	9 19	0 49	22 35	0 53	17 38	17 9	2 53	3 3	18 1	6 26	5 46
S 15	0 45	7 54	3 2	0s41	0 47	12 19	0 22	15 10	1 17	18 13	1 13	0 12	2 47	9 20	0 49	22 35	0 53	17 38	17 9	2 53	3 1	18 1	6 28	5 46
M16	0 22	3 41	1 53	1 27	0 40	12 47	0 25	14 58	1 17	18 14	1 13	0 10	2 47	9 21	0 48	22 35	0 53	17 39	17 9	2 53	3 0	18 0	6 29	5 46
T 17	0s 2	0n40	0 39	2 13	0 34	13 15	0 29	14 46	1 17	18 15	1 13	0 8	2 47	9 22	0 48	22 34	0 53	17 39	17 9	2 53	2 59	18 0	6 30	5 46
W18	0 26	4 54	0s36	2 58	0 27	13 42	0 32	14 33	1 18	18 16	1 13	0 6	2 47	9 23	0 48	22 34	0 53	17 39	17 9	2 53	2 58	18 0	6 31	5 46
T 19	0 49	8 47	1 48	3 43	0 21	14 10	0 35	14 21	1 18	18 16	1 13	0 4	2 47	9 23	0 48	22 34	0 53	17 40	17 9	2 53	2 56	17 59	6 32	5 45
F 20	1 13	12 9	2 52	4 28	0 14	14 37	0 38	14 9	1 18	18 17	1 13	0 2	2 47	9 24	0 48	22 34	0 53	17 40	17 9	2 53	2 55	17 59	6 33	5 45
S 21	1 37	14 51	3 46	5 12	0 7	15 3	0 41	13 56	1 18	18 18	1 12	0 1	2 47	9 25	0 48	22 34	0 53	17 41	17 9	2 53	2 54	17 58	6 34	5 45
S 22	2 0	16 49	4 28	5 56	0 0	15 30	0 44	13 44	1 19	18 18	1 12	0s 1	2 47	9 26	0 48	22 34	0 53	17 41	17 9	2 53	2 53	17 58	6 35	5 45
M23	2 24	17 59	4 58	6 39	0s 7	15 56	0 48	13 31	1 19	18 18	1 12	0 3	2 47	9 26	0 48	22 34	0 53	17 42	17 8	2 53	2 51	17 57	6 36	5 44
T 24	2 48	18 19	5 14	7 22	0 13	16 21	0 51	13 18	1 19	18 19	1 12	0 5	2 47	9 27	0 48	22 34	0 53	17 42	17 8	2 53	2 50	17 57	6 37	5 44
W25	3 11	17 51	5 17	8 4	0 20	16 47	0 54	13 5	1 20	18 19	1 12	0 7	2 47	9 28	0 48	22 34	0 53	17 42	17 8	2 53	2 49	17 56	6 38	5 44
T 26	3 35	16 36	5 6	8 46	0 27	17 11	0 57	12 53	1 20	18 19	1 12	0 9	2 47	9 29	0 48	22 34	0 53	17 43	17 8	2 53	2 47	17 56	6 39	5 43
F 27	3 58	14 37	4 42	9 27	0 34	17 36	1 0	12 40	1 20	18 20	1 12	0 11	2 47	9 29	0 48	22 34	0 53	17 43	17 8	2 53	2 46	17 55	6 39	5 43
S 28	4 22	11 59	4 5	10 8	0 41	18 0	1 3	12 27	1 20	18 20	1 12	0 13	2 47	9 30	0 48	22 34	0 53	17 43	17 8	2 53	2 45	17 55	6 40	5 43
S 29	4 45	8 46	3 16	10 48	0 48	18 23	1 6	12 14	1 21	18 20	1 11	0 15	2 47	9 31	0 48	22 34	0 54	17 44	17 8	2 54	2 44	17 54	6 41	5 43
M30	5s 9	5n 5	2s17	11s27	0s55	18s46	1s 9	12n 1	1n21	18s20	1s11	0s16	2s47	9s31	0s48	22n34	0s54	17s44	17s 8	2s54	2s42	17n54	6s42	5n42

Julian Day Number = 2117232.5, Delta T = 18m33s
Ecliptic obliquity = 23°33'20, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°58'49, Lahiri = 11°05'50 Julian Calendar 1 Sept. 1084 == Greg. Calendar 7 Sept. 1084

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1084
geocentric

OCTOBER 1084 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 3 21	13♎57'57	24♍38	28♎56	20♏35	2♍47	12°R18	5°R38	7°R31	5♋ 2	24°R47	7♎16	6♎44	12♋17	28°R27	T 1
W 2	1 7 17	14°57'44	7♎50	0♏26	21°47	3°24	12°D18	5♈33	7♓30	5°R 2	24♓46	7°R16	6°41	12°23	28♒25	W 2
T 3	1 11 14	15°57'33	21°20	1°55	23° 0	4° 1	12♒18	5°28	7°28	5° 2	24°45	7°16	6°38	12°30	28°24	T 3
F 4	1 15 10	16°57'25	5♏ 6	3°24	24°12	4°37	12°18	5°24	7°26	5° 2	24°43	7°16	6°34	12°37	28°22	F 4
S 5	1 19 7	17°57'18	19° 5	4°52	25°24	5°14	12°19	5°19	7°25	5° 2	24°42	7°14	6°31	12°43	28°20	S 5
S 6	1 23 3	18°57'13	3♐14	6°19	26°36	5°51	12°19	5°14	7°23	5° 2	24°41	7°13	6°28	12°50	28°19	S 6
M 7	1 27 0	19°57'09	17°29	7°45	27°48	6°28	12°20	5°10	7°21	5° 1	24°40	7°11	6°25	12°57	28°17	M 7
T 8	1 30 56	20°57'08	1♑46	9°11	29° 1	7° 5	12°21	5° 5	7°20	5° 1	24°39	7°10	6°22	13° 4	28°16	T 8
W 9	1 34 53	21°57'08	16° 1	10°36	0♐13	7°41	12°23	5° 1	7°18	5° 1	24°38	7°D10	6°19	13°10	28°15	W 9
T 10	1 38 50	22°57'10	0♒11	12° 1	1°25	8°18	12°24	4°56	7°17	5° 1	24°37	7°10	6°15	13°17	28°13	T 10
F 11	1 42 46	23°57'13	14°16	13°24	2°37	8°55	12°26	4°52	7°15	5° 0	24°36	7°10	6°12	13°24	28°12	F 11
S 12	1 46 43	24°57'18	28°13	14°47	3°48	9°31	12°28	4°48	7°14	5° 0	24°35	7°12	6° 9	13°30	28°11	S 12
S 13	1 50 39	25°57'24	12♓ 0	16° 9	5° 0	10° 8	12°30	4°43	7°13	5° 0	24°34	7°13	6° 6	13°37	28°10	S 13
M14	1 54 36	26°57'33	25°37	17°30	6°12	10°44	12°32	4°39	7°11	4°59	24°33	7°14	6° 3	13°44	28° 8	M14
T 15	1 58 32	27°57'42	9♈ 3	18°49	7°24	11°21	12°35	4°35	7°10	4°59	24°32	7°R14	6° 0	13°51	28° 7	T 15
W16	2 2 29	28°57'54	22°15	20° 8	8°36	11°57	12°37	4°31	7° 9	4°58	24°31	7°14	5°56	13°57	28° 6	W16
T 17	2 6 25	29°58'07	5♉14	21°25	9°47	12°34	12°40	4°27	7° 8	4°58	24°30	7°12	5°53	14° 4	28° 5	T 17
F 18	2 10 22	0♏58'23	17°58	22°41	10°59	13°10	12°43	4°23	7° 7	4°57	24°29	7° 9	5°50	14°11	28° 4	F 18
S 19	2 14 18	1°58'40	0♊28	23°55	12°10	13°47	12°47	4°19	7° 5	4°57	24°29	7° 5	5°47	14°18	28° 4	S 19
S 20	2 18 15	2°58'59	12°46	25° 8	13°22	14°23	12°50	4°15	7° 4	4°56	24°28	7° 0	5°44	14°24	28° 3	S 20
M21	2 22 12	3°59'20	24°52	26°18	14°33	14°59	12°54	4°11	7° 3	4°56	24°27	6°56	5°40	14°31	28° 2	M21
T 22	2 26 8	4°59'43	6♋49	27°27	15°45	15°36	12°58	4° 7	7° 2	4°55	24°26	6°52	5°37	14°38	28° 1	T 22
W23	2 30 5	6° 0'08	18°42	28°33	16°56	16°12	13° 2	4° 4	7° 2	4°54	24°25	6°49	5°34	14°44	28° 1	W23
T 24	2 34 1	7° 0'34	0♌34	29°36	18° 7	16°48	13° 6	4° 0	7° 1	4°54	24°24	6°48	5°31	14°51	28° 0	T 24
F 25	2 37 58	8° 1'03	12°30	0♐36	19°18	17°24	13°10	3°57	7° 0	4°53	24°23	6°D48	5°28	14°58	28° 0	F 25
S 26	2 41 54	9° 1'34	24°35	1°33	20°29	18° 1	13°15	3°53	6°59	4°52	24°23	6°49	5°25	15° 5	27°59	S 26
S 27	2 45 51	10° 2'06	6♍54	2°25	21°40	18°37	13°20	3°50	6°58	4°51	24°22	6°50	5°21	15°11	27°59	S 27
M28	2 49 47	11° 2'40	19°31	3°13	22°51	19°13	13°24	3°47	6°58	4°51	24°21	6°52	5°18	15°18	27°59	M28
T 29	2 53 44	12° 3'16	2♎30	3°56	24° 2	19°49	13°30	3°43	6°57	4°50	24°20	6°R53	5°15	15°25	27°58	T 29
W30	2 57 41	13° 3'54	15°52	4°34	25°13	20°25	13°35	3°40	6°57	4°49	24°20	6°53	5°12	15°31	27°58	W30
T 31	3 1 37	14♏ 4'33	29♎40	5♐ 5	26♐24	21♍ 1	13♒40	3♈37	6♓56	4♋48	24♓19	6♎51	5♎ 9	15♋38	27♒58	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s32	1n 5	1s10	12s 6	1s 1	19s 9	1s13	11n48	1n21	18s20	1s11	0s18	2s47	9s32	0s48	22n34	0s54	17s44	17s 8	2s54	2s41	17n53	6s43	5n42
W 2	5 55	3s 4	0n 3	12 44	1 8	19 31	1 16	11 34	1 21	18 20	1 11	0 20	2 47	9 33	0 48	22 34	0 54	17 45	17 8	2 54	2 40	17 53	6 44	5 42
T 3	6 19	7 10	1 17	13 22	1 14	19 53	1 19	11 21	1 22	18 20	1 11	0 22	2 47	9 33	0 48	22 34	0 54	17 45	17 7	2 54	2 39	17 52	6 45	5 41
F 4	6 42	10 58	2 28	13 58	1 21	20 14	1 22	11 8	1 22	18 19	1 11	0 24	2 47	9 34	0 48	22 34	0 54	17 45	17 7	2 54	2 37	17 52	6 46	5 41
S 5	7 5	14 11	3 31	14 34	1 27	20 34	1 25	10 55	1 22	18 19	1 11	0 26	2 47	9 34	0 48	22 34	0 54	17 46	17 7	2 53	2 36	17 51	6 47	5 41
S 6	7 27	16 37	4 22	15 10	1 33	20 54	1 27	10 41	1 23	18 19	1 11	0 27	2 47	9 35	0 48	22 34	0 54	17 46	17 7	2 53	2 35	17 51	6 47	5 40
M 7	7 50	18 1	4 58	15 44	1 40	21 14	1 30	10 28	1 23	18 18	1 10	0 29	2 46	9 36	0 48	22 34	0 54	17 46	17 7	2 52	2 34	17 50	6 48	5 40
T 8	8 13	18 18	5 15	16 17	1 45	21 33	1 33	10 14	1 23	18 18	1 10	0 31	2 46	9 36	0 48	22 34	0 54	17 47	17 7	2 52	2 32	17 49	6 49	5 40
W 9	8 36	17 25	5 12	16 50	1 51	21 51	1 36	10 1	1 23	18 17	1 10	0 32	2 46	9 37	0 48	22 34	0 54	17 47	17 7	2 51	2 31	17 49	6 50	5 39
T 10	8 58	15 28	4 51	17 22	1 57	22 9	1 39	9 47	1 24	18 17	1 10	0 34	2 46	9 37	0 48	22 34	0 54	17 47	17 6	2 51	2 30	17 48	6 51	5 39
F 11	9 20	12 36	4 12	17 53	2 2	22 27	1 42	9 34	1 24	18 16	1 10	0 36	2 46	9 38	0 48	22 34	0 54	17 47	17 6	2 52	2 29	17 48	6 51	5 39
S 12	9 42	9 2	3 19	18 22	2 7	22 43	1 44	9 20	1 24	18 16	1 10	0 37	2 46	9 38	0 48	22 34	0 54	17 48	17 6	2 52	2 27	17 47	6 52	5 39
S 13	10 4	5 1	2 15	18 51	2 12	22 59	1 47	9 6	1 24	18 15	1 10	0 39	2 46	9 39	0 48	22 34	0 54	17 48	17 6	2 53	2 26	17 47	6 53	5 38
M14	10 26	0 47	1 4	19 19	2 17	23 15	1 49	8 53	1 25	18 14	1 9	0 41	2 46	9 39	0 48	22 34	0 54	17 48	17 6	2 53	2 25	17 46	6 54	5 38
T 15	10 48	3n27	0s10	19 46	2 21	23 29	1 52	8 39	1 25	18 13	1 9	0 42	2 46	9 40	0 48	22 34	0 54	17 48	17 5	2 53	2 23	17 46	6 54	5 37
W16	11 10	7 26	1 22	20 11	2 25	23 44	1 54	8 25	1 25	18 12	1 9	0 44	2 46	9 40	0 48	22 34	0 54	17 48	17 5	2 53	2 22	17 45	6 55	5 37
T 17	11 31	11 0	2 28	20 36	2 29	23 57	1 57	8 11	1 25	18 11	1 9	0 45	2 45	9 40	0 48	22 34	0 54	17 49	17 5	2 52	2 21	17 45	6 56	5 37
F 18	11 52	13 59	3 25	20 59	2 32	24 10	1 59	7 58	1 26	18 10	1 9	0 47	2 45	9 41	0 48	22 34	0 54	17 49	17 5	2 51	2 20	17 44	6 56	5 36
S 19	12 13	16 15	4 12	21 21	2 35	24 22	2 2	7 44	1 26	18 9	1 9	0 48	2 45	9 41	0 48	22 34	0 54	17 49	17 5	2 49	2 18	17 43	6 57	5 36
S 20	12 34	17 43	4 46	21 41	2 37	24 34	2 4	7 30	1 26	18 8	1 9	0 50	2 45	9 42	0 48	22 34	0 54	17 49	17 4	2 48	2 17	17 43	6 57	5 36
M21	12 55	18 21	5 6	22 0	2 39	24 45	2 6	7 16	1 26	18 7	1 8	0 51	2 45	9 42	0 48	22 34	0 54	17 49	17 4	2 46	2 16	17 42	6 58	5 35
T 22	13 15	18 10	5 13	22 18	2 41	24 55	2 8	7 2	1 27	18 6	1 8	0 52	2 45	9 42	0 48	22 34	0 54	17 49	17 4	2 44	2 15	17 42	6 59	5 35
W23	13 35	17 11	5 6	22 33	2 42	25 4	2 10	6 48	1 27	18 4	1 8	0 54	2 45	9 42	0 47	22 34	0 54	17 49	17 4	2 43	2 13	17 41	6 59	5 35
T 24	13 55	15 28	4 47	22 48	2 42	25 13	2 12	6 34	1 27	18 3	1 8	0 55	2 44	9 43	0 47	22 34	0 54	17 50	17 3	2 43	2 12	17 41	7 0	5 34
F 25	14 15	13 4	4 14	23 0	2 41	25 21	2 14	6 20	1 27	18 2	1 8	0 56	2 44	9 43	0 47	22 34	0 54	17 50	17 3	2 43	2 11	17 40	7 0	5 34
S 26	14 34	10 5	3 31	23 11	2 40	25 28	2 16	6 6	1 27	18 0	1 8	0 57	2 44	9 43	0 47	22 34	0 54	17 50	17 3	2 43	2 10	17 39	7 1	5 34
S 27	14 54	6 36	2 36	23 20	2 38	25 35	2 18	5 52	1 28	17 59	1 8	0 59	2 44	9 44	0 47	22 34	0 54	17 50	17 3	2 44	2 8	17 39	7 1	5 33
M28	15 13	2 44	1 33	23 27	2 35	25 41	2 19	5 38	1 28	17 57	1 7	1 0	2 44	9 44	0 47	22 34	0 54	17 50	17 2	2 44	2 7	17 38	7 2	5 33
T 29	15 32	1s22	0 24	23 31	2 31	25 46	2 21	5 24	1 28	17 56	1 7	1 1	2 44	9 44	0 47	22 34	0 54	17 50	17 2	2 45	2 6	17 38	7 2	5 32
W30	15 50	5 32	0n49	23 33	2 27	25 50	2 22	5 10	1 28	17 54	1 7	1 2	2 43	9 44	0 47	22 34	0 54	17 50	17 2	2 45	2 4	17 37	7 2	5 32
T 31	16s 8	9s31	2n 1	23s33	2s20	25s54	2s24	4n56	1n29	17s52	1s 7	1s 3	2s43	9s44	0s47	22n34	0s54	17s50	17s 1	2s44	2s 3	17n36	7s 3	5n32

Julian Day Number = 2117262.5, Delta T = 18m33s
Ecliptic obliquity = 23°33'20, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°58'53, Lahiri = 11°05'54 Julian Calendar 1 Oct. 1084 == Greg. Calendar 7 Oct. 1084

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1084
geocentric

NOVEMBER 1084 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 5 34	15♏ 5'14	13♏49	5♐29	27♐35	21♍37	13♒46	3°R34	6°R56	4°R47	24°R18	6°R47	5♎ 5	15♋45	27°R58	F 1
S 2	3 9 30	16° 5'57	28°17	5°45	28°45	22°13	13°52	3♈31	6♓55	4♋46	24♓18	6♎41	5° 2	15°52	27°D58	S 2
S 3	3 13 27	17° 6'41	12♐56	5°R52	29°56	22°49	13°58	3°28	6°55	4°45	24°17	6°35	4°59	15°58	27♒58	S 3
M 4	3 17 23	18° 7'26	27°39	5°50	1♑ 6	23°24	14° 4	3°26	6°54	4°44	24°16	6°28	4°56	16° 5	27°58	M 4
T 5	3 21 20	19° 8'12	12♑19	5°38	2°16	24° 0	14°10	3°23	6°54	4°43	24°16	6°23	4°53	16°12	27°58	T 5
W 6	3 25 16	20° 9'00	26°49	5°15	3°27	24°36	14°17	3°21	6°54	4°42	24°15	6°18	4°50	16°19	27°58	W 6
T 7	3 29 13	21° 9'48	11♒ 6	4°42	4°37	25°12	14°24	3°18	6°54	4°41	24°15	6°16	4°46	16°25	27°59	T 7
F 8	3 33 10	22°10'38	25° 6	3°58	5°47	25°47	14°31	3°16	6°54	4°39	24°14	6°D16	4°43	16°32	27°59	F 8
S 9	3 37 6	23°11'28	8♓50	3° 3	6°57	26°23	14°38	3°14	6°54	4°38	24°13	6°17	4°40	16°39	27°59	S 9
S 10	3 41 3	24°12'19	22°18	1°59	8° 7	26°59	14°45	3°12	6°D54	4°37	24°13	6°18	4°37	16°45	28° 0	S 10
M11	3 44 59	25°13'11	5♈32	0°46	9°16	27°34	14°52	3°10	6°54	4°36	24°12	6°R19	4°34	16°52	28° 0	M11
T 12	3 48 56	26°14'04	18°34	29♏28	10°26	28°10	15° 0	3° 8	6°54	4°35	24°12	6°18	4°31	16°59	28° 1	T 12
W13	3 52 52	27°14'58	1♉23	28° 6	11°35	28°45	15° 7	3° 6	6°54	4°33	24°12	6°15	4°27	17° 6	28° 2	W13
T 14	3 56 49	28°15'53	14° 2	26°43	12°45	29°20	15°15	3° 4	6°54	4°32	24°11	6° 9	4°24	17°12	28° 2	T 14
F 15	4 0 45	29°16'49	26°31	25°22	13°54	29°56	15°23	3° 3	6°54	4°31	24°11	6° 1	4°21	17°19	28° 3	F 15
S 16	4 4 42	0♐17'46	8♊50	24° 6	15° 3	0♎31	15°31	3° 1	6°55	4°29	24°10	5°51	4°18	17°26	28° 4	S 16
S 17	4 8 39	1°18'44	21° 0	22°57	16°12	1° 6	15°39	3° 0	6°55	4°28	24°10	5°40	4°15	17°32	28° 5	S 17
M18	4 12 35	2°19'43	3♋ 2	21°57	17°21	1°41	15°48	2°58	6°55	4°27	24°10	5°29	4°11	17°39	28° 6	M18
T 19	4 16 32	3°20'43	14°57	21° 6	18°29	2°17	15°56	2°57	6°56	4°25	24° 9	5°19	4° 8	17°46	28° 7	T 19
W20	4 20 28	4°21'45	26°49	20°27	19°38	2°52	16° 5	2°56	6°56	4°24	24° 9	5°10	4° 5	17°53	28° 8	W20
T 21	4 24 25	5°22'47	8♌39	20° 0	20°46	3°27	16°14	2°55	6°57	4°23	24° 9	5° 4	4° 2	17°59	28° 9	T 21
F 22	4 28 21	6°23'50	20°33	19°43	21°54	4° 2	16°23	2°54	6°57	4°21	24° 9	5° 0	3°59	18° 6	28°10	F 22
S 23	4 32 18	7°24'55	2♍34	19°D37	23° 2	4°37	16°32	2°54	6°58	4°20	24° 8	4°D58	3°56	18°13	28°11	S 23
S 24	4 36 14	8°26'00	14°48	19°42	24°10	5°12	16°41	2°53	6°59	4°18	24° 8	4°58	3°52	18°19	28°13	S 24
M25	4 40 11	9°27'06	27°20	19°55	25°18	5°46	16°50	2°52	7° 0	4°17	24° 8	4°59	3°49	18°26	28°14	M25
T 26	4 44 8	10°28'13	10♎15	20°18	26°25	6°21	17° 0	2°52	7° 0	4°15	24° 8	4°R59	3°46	18°33	28°15	T 26
W27	4 48 4	11°29'22	23°37	20°48	27°32	6°56	17° 9	2°52	7° 1	4°14	24° 8	4°57	3°43	18°40	28°17	W27
T 28	4 52 1	12°30'31	7♏29	21°25	28°39	7°31	17°19	2°52	7° 2	4°12	24° 8	4°54	3°40	18°46	28°18	T 28
F 29	4 55 57	13°31'40	21°48	22° 9	29°46	8° 5	17°29	2°D51	7° 3	4°10	24° 7	4°47	3°37	18°53	28°20	F 29
S 30	4 59 54	14♐32'51	6♐32	22♏58	0♒53	8♎40	17♒39	2♈51	7♓ 4	4♋ 9	24♓ 7	4♎38	3♎33	19♋ 0	28♒22	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16s26	13s 5	3n 7	23s30	2s13	25s57	2s25	4n42	1n29	17s50	1s 7	1s 4	2s43	9s44	0s47	22n34	0s54	17s50	17s 1	2s42	2s 2	17n36	7s 3	5n31
S 2	16 44	15 56	4 3	23 25	2 4	25 59	2 26	4 28	1 29	17 49	1 7	1 5	2 43	9 45	0 47	22 34	0 54	17 50	17 1	2 40	2 1	17 35	7 4	5 31
S 3	17 2	17 46	4 43	23 16	1 54	26 1	2 27	4 14	1 29	17 47	1 7	1 6	2 43	9 45	0 47	22 34	0 54	17 50	17 1	2 37	1 59	17 35	7 4	5 31
M 4	17 19	18 27	5 5	23 4	1 43	26 1	2 28	4 0	1 30	17 45	1 6	1 7	2 42	9 45	0 47	22 34	0 54	17 50	17 0	2 35	1 58	17 34	7 4	5 30
T 5	17 35	17 53	5 7	22 49	1 30	26 1	2 29	3 46	1 30	17 43	1 6	1 7	2 42	9 45	0 47	22 34	0 54	17 50	17 0	2 33	1 57	17 33	7 4	5 30
W 6	17 52	16 9	4 50	22 30	1 15	26 1	2 30	3 32	1 30	17 41	1 6	1 8	2 42	9 45	0 47	22 34	0 54	17 50	17 0	2 31	1 56	17 33	7 5	5 29
T 7	18 8	13 27	4 14	22 8	0 59	25 59	2 31	3 18	1 30	17 39	1 6	1 9	2 42	9 45	0 47	22 34	0 54	17 50	16 59	2 30	1 54	17 32	7 5	5 29
F 8	18 24	10 1	3 24	21 43	0 41	25 57	2 31	3 4	1 30	17 36	1 6	1 10	2 41	9 45	0 47	22 34	0 54	17 50	16 59	2 30	1 53	17 32	7 5	5 29
S 9	18 40	6 5	2 23	21 14	0 22	25 54	2 32	2 50	1 31	17 34	1 6	1 10	2 41	9 45	0 47	22 34	0 54	17 50	16 59	2 30	1 52	17 31	7 5	5 28
S 10	18 55	1 55	1 15	20 42	0 2	25 50	2 32	2 36	1 31	17 32	1 6	1 11	2 41	9 45	0 47	22 34	0 54	17 50	16 58	2 31	1 51	17 30	7 6	5 28
M11	19 10	2n16	0 4	20 7	0n18	25 46	2 33	2 22	1 31	17 30	1 5	1 12	2 41	9 45	0 47	22 34	0 54	17 50	16 58	2 31	1 49	17 30	7 6	5 28
T 12	19 24	6 18	1s 6	19 30	0 39	25 41	2 33	2 8	1 31	17 27	1 5	1 12	2 41	9 45	0 47	22 34	0 54	17 49	16 58	2 31	1 48	17 29	7 6	5 27
W13	19 38	9 58	2 11	18 53	0 59	25 35	2 33	1 54	1 31	17 25	1 5	1 13	2 40	9 45	0 47	22 34	0 54	17 49	16 58	2 29	1 47	17 28	7 6	5 27
T 14	19 52	13 8	3 8	18 15	1 18	25 29	2 33	1 40	1 32	17 23	1 5	1 13	2 40	9 44	0 47	22 34	0 54	17 49	16 57	2 27	1 45	17 28	7 6	5 27
F 15	20 6	15 39	3 56	17 38	1 36	25 21	2 33	1 26	1 32	17 20	1 5	1 14	2 40	9 44	0 47	22 34	0 54	17 49	16 57	2 24	1 44	17 27	7 6	5 26
S 16	20 19	17 24	4 32	17 4	1 53	25 13	2 32	1 12	1 32	17 18	1 5	1 14	2 40	9 44	0 47	22 34	0 54	17 49	16 57	2 20	1 43	17 27	7 6	5 26
S 17	20 31	18 21	4 55	16 33	2 7	25 5	2 32	0 58	1 32	17 15	1 5	1 14	2 39	9 44	0 47	22 35	0 54	17 49	16 56	2 16	1 42	17 26	7 6	5 25
M18	20 44	18 27	5 4	16 6	2 19	24 56	2 31	0 44	1 32	17 12	1 5	1 15	2 39	9 44	0 46	22 35	0 54	17 49	16 56	2 11	1 40	17 25	7 6	5 25
T 19	20 56	17 44	5 0	15 44	2 29	24 46	2 31	0 30	1 32	17 10	1 4	1 15	2 39	9 44	0 46	22 35	0 54	17 48	16 55	2 7	1 39	17 25	7 6	5 25
W20	21 7	16 16	4 43	15 26	2 37	24 35	2 30	0 16	1 33	17 7	1 4	1 15	2 39	9 43	0 46	22 35	0 54	17 48	16 55	2 4	1 38	17 24	7 6	5 24
T 21	21 18	14 6	4 14	15 13	2 42	24 24	2 29	0 3	1 33	17 4	1 4	1 15	2 38	9 43	0 46	22 35	0 54	17 48	16 55	2 1	1 37	17 23	7 6	5 24
F 22	21 29	11 20	3 34	15 5	2 46	24 12	2 28	0s11	1 33	17 1	1 4	1 15	2 38	9 43	0 46	22 35	0 54	17 48	16 54	2 0	1 35	17 23	7 6	5 24
S 23	21 39	8 4	2 44	15 2	2 48	23 59	2 27	0 25	1 33	16 59	1 4	1 15	2 38	9 43	0 46	22 35	0 54	17 47	16 54	1 59	1 34	17 22	7 6	5 23
S 24	21 49	4 24	1 46	15 3	2 48	23 46	2 26	0 39	1 33	16 56	1 4	1 15	2 38	9 42	0 46	22 35	0 54	17 47	16 54	1 59	1 33	17 21	7 6	5 23
M25	21 59	0 27	0 41	15 8	2 47	23 33	2 24	0 52	1 34	16 53	1 4	1 15	2 37	9 42	0 46	22 35	0 54	17 47	16 53	1 59	1 32	17 21	7 6	5 23
T 26	22 8	3s39	0n28	15 16	2 44	23 18	2 23	1 6	1 34	16 50	1 4	1 15	2 37	9 42	0 46	22 35	0 54	17 47	16 53	1 59	1 30	17 20	7 6	5 22
W27	22 16	7 42	1 37	15 27	2 41	23 3	2 21	1 20	1 34	16 47	1 4	1 15	2 37	9 41	0 46	22 35	0 54	17 46	16 53	1 59	1 29	17 19	7 6	5 22
T 28	22 24	11 30	2 44	15 41	2 37	22 48	2 19	1 33	1 34	16 44	1 3	1 15	2 36	9 41	0 46	22 35	0 54	17 46	16 52	1 57	1 28	17 19	7 5	5 21
F 29	22 32	14 44	3 42	15 57	2 32	22 32	2 17	1 47	1 34	16 40	1 3	1 15	2 36	9 41	0 46	22 35	0 54	17 46	16 52	1 55	1 26	17 18	7 5	5 21
S 30	22s39	17s 8	4n27	16s15	2n26	22s15	2s15	2s 0	1n34	16s37	1s 3	1s14	2s36	9s40	0s46	22n35	0s54	17s46	16s52	1s51	1s25	17n17	7s 5	5n21

Julian Day Number = 2117293.5, Delta T = 18m33s
Ecliptic obliquity = 23°33'19, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°58'57, Lahiri = 11°05'58 Julian Calendar 1 Nov. 1084 == Greg. Calendar 7 Nov. 1084

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1084
geocentric

DECEMBER 1084 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 3 50	15♐34'02	21♐34	23♏51	1♒59	9♎14	17♒49	2♈52	7♓ 5	4°R 7	24°R 7	4°R27	3♎30	19♋ 7	28♒23	S 1
M 2	5 7 47	16°35'13	6♑43	24°49	3° 6	9°49	17°59	2°52	7° 6	4♋ 6	24°D 7	4♎16	3°27	19°13	28°25	M 2
T 3	5 11 44	17°36'25	21°49	25°51	4°12	10°23	18° 9	2°52	7° 7	4° 4	24♓ 7	4° 6	3°24	19°20	28°27	T 3
W 4	5 15 40	18°37'37	6♒42	26°56	5°17	10°57	18°20	2°53	7° 9	4° 2	24° 7	3°57	3°21	19°27	28°29	W 4
T 5	5 19 37	19°38'49	21°15	28° 4	6°23	11°31	18°30	2°53	7°10	4° 1	24° 7	3°52	3°17	19°33	28°31	T 5
F 6	5 23 33	20°40'01	5♓25	29°15	7°28	12° 6	18°41	2°54	7°11	3°59	24° 8	3°49	3°14	19°40	28°32	F 6
S 7	5 27 30	21°41'13	19°10	0♐28	8°33	12°40	18°52	2°55	7°13	3°58	24° 8	3°D49	3°11	19°47	28°34	S 7
S 8	5 31 26	22°42'25	2♈33	1°43	9°38	13°14	19° 3	2°56	7°14	3°56	24° 8	3°R49	3° 8	19°54	28°37	S 8
M 9	5 35 23	23°43'36	15°36	2°59	10°42	13°48	19°14	2°57	7°15	3°54	24° 8	3°48	3° 5	20° 0	28°39	M 9
T 10	5 39 19	24°44'48	28°23	4°17	11°46	14°21	19°25	2°58	7°17	3°53	24° 8	3°46	3° 2	20° 7	28°41	T 10
W11	5 43 16	25°45'59	10♉56	5°37	12°50	14°55	19°36	2°59	7°19	3°51	24° 8	3°41	2°58	20°14	28°43	W11
T 12	5 47 13	26°47'10	23°18	6°58	13°53	15°29	19°48	3° 1	7°20	3°49	24° 9	3°33	2°55	20°20	28°45	T 12
F 13	5 51 9	27°48'21	5♊32	8°20	14°57	16° 2	19°59	3° 2	7°22	3°48	24° 9	3°23	2°52	20°27	28°48	F 13
S 14	5 55 6	28°49'32	17°40	9°43	15°59	16°36	20°10	3° 4	7°23	3°46	24° 9	3° 9	2°49	20°34	28°50	S 14
S 15	5 59 2	29°50'43	29°41	11° 7	17° 2	17° 9	20°22	3° 5	7°25	3°44	24° 9	2°54	2°46	20°41	28°52	S 15
M16	6 2 59	0♑51'54	11♋38	12°31	18° 4	17°43	20°34	3° 7	7°27	3°42	24°10	2°39	2°43	20°47	28°55	M16
T 17	6 6 55	1°53'05	23°30	13°57	19° 5	18°16	20°46	3° 9	7°29	3°41	24°10	2°25	2°39	20°54	28°57	T 17
W18	6 10 52	2°54'16	5♌21	15°23	20° 7	18°49	20°57	3°11	7°31	3°39	24°10	2°13	2°36	21° 1	29° 0	W18
T 19	6 14 48	3°55'26	17°12	16°50	21° 7	19°22	21° 9	3°13	7°33	3°37	24°11	2° 3	2°33	21° 7	29° 2	T 19
F 20	6 18 45	4°56'37	29° 6	18°18	22° 8	19°56	21°21	3°15	7°34	3°36	24°11	1°57	2°30	21°14	29° 5	F 20
S 21	6 22 42	5°57'47	11♍ 6	19°46	23° 8	20°28	21°34	3°18	7°36	3°34	24°12	1°53	2°27	21°21	29° 8	S 21
S 22	6 26 38	6°58'57	23°18	21°15	24° 7	21° 1	21°46	3°20	7°38	3°32	24°12	1°52	2°23	21°28	29°10	S 22
M23	6 30 35	8° 0'08	5♎45	22°44	25° 6	21°34	21°58	3°23	7°41	3°31	24°12	1°52	2°20	21°34	29°13	M23
T 24	6 34 31	9° 1'18	18°33	24°14	26° 5	22° 7	22°11	3°25	7°43	3°29	24°13	1°52	2°17	21°41	29°16	T 24
W25	6 38 28	10° 2'27	1♏48	25°45	27° 3	22°39	22°23	3°28	7°45	3°27	24°14	1°50	2°14	21°48	29°19	W25
T 26	6 42 24	11° 3'37	15°31	27°16	28° 0	23°12	22°36	3°31	7°47	3°25	24°14	1°46	2°11	21°54	29°22	T 26
F 27	6 46 21	12° 4'47	29°45	28°47	28°57	23°44	22°48	3°34	7°49	3°24	24°15	1°40	2° 8	22° 1	29°25	F 27
S 28	6 50 17	13° 5'56	14♐27	0♑19	29°54	24°17	23° 1	3°37	7°52	3°22	24°15	1°31	2° 4	22° 8	29°28	S 28
S 29	6 54 14	14° 7'05	29°33	1°52	0♓49	24°49	23°14	3°40	7°54	3°20	24°16	1°20	2° 1	22°15	29°31	S 29
M30	6 58 11	15° 8'13	14♑52	3°25	1°45	25°21	23°27	3°43	7°56	3°19	24°16	1° 9	1°58	22°21	29°34	M30
T 31	7 2 7	16♑ 9'21	0♒12	4♑59	2♓39	25♎53	23♒39	3♈47	7♓59	3♋17	24♓17	0♎58	1♎55	22♋28	29♒37	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s46	18s24	4n54	16s34	2n20	21s58	2s13	2s14	1n35	16s34	1s 3	1s14	2s36	9s40	0s46	22n35	0s54	17s45	16s51	1s47	1s24	17n17	7s 5	5n20
M 2	22 53	18 22	5 1	16 55	2 13	21 40	2 10	2 27	1 35	16 31	1 3	1 14	2 35	9 39	0 46	22 35	0 54	17 45	16 51	1 42	1 23	17 16	7 4	5 20
T 3	22 58	17 3	4 47	17 17	2 6	21 22	2 8	2 41	1 35	16 28	1 3	1 13	2 35	9 39	0 46	22 35	0 54	17 45	16 51	1 38	1 21	17 15	7 4	5 20
W 4	23 4	14 35	4 14	17 39	1 58	21 3	2 5	2 54	1 35	16 24	1 3	1 13	2 35	9 38	0 46	22 35	0 54	17 44	16 50	1 35	1 20	17 15	7 4	5 19
T 5	23 9	11 15	3 25	18 2	1 51	20 44	2 2	3 7	1 35	16 21	1 3	1 13	2 35	9 38	0 46	22 35	0 54	17 44	16 50	1 33	1 19	17 14	7 4	5 19
F 6	23 13	7 20	2 24	18 25	1 43	20 25	1 59	3 20	1 35	16 17	1 3	1 12	2 34	9 37	0 46	22 35	0 54	17 44	16 49	1 32	1 18	17 13	7 3	5 19
S 7	23 18	3 8	1 17	18 48	1 35	20 5	1 56	3 34	1 35	16 14	1 3	1 11	2 34	9 37	0 46	22 35	0 54	17 43	16 49	1 31	1 16	17 13	7 3	5 18
S 8	23 21	1n 7	0 7	19 11	1 27	19 44	1 53	3 47	1 36	16 10	1 2	1 11	2 34	9 36	0 46	22 36	0 54	17 43	16 49	1 31	1 15	17 12	7 2	5 18
M 9	23 24	5 13	1s 2	19 34	1 19	19 23	1 49	4 0	1 36	16 7	1 2	1 10	2 34	9 36	0 46	22 36	0 54	17 42	16 48	1 31	1 14	17 11	7 2	5 18
T 10	23 27	8 59	2 6	19 56	1 11	19 2	1 46	4 13	1 36	16 3	1 2	1 9	2 33	9 35	0 46	22 36	0 54	17 42	16 48	1 30	1 13	17 10	7 2	5 17
W11	23 29	12 17	3 3	20 19	1 3	18 40	1 42	4 26	1 36	16 0	1 2	1 9	2 33	9 34	0 46	22 36	0 54	17 42	16 48	1 28	1 11	17 10	7 1	5 17
T 12	23 31	14 59	3 50	20 41	0 55	18 18	1 38	4 39	1 36	15 56	1 2	1 8	2 33	9 34	0 46	22 36	0 54	17 41	16 47	1 25	1 10	17 9	7 1	5 17
F 13	23 32	16 59	4 25	21 2	0 47	17 56	1 34	4 52	1 36	15 52	1 2	1 7	2 32	9 33	0 46	22 36	0 54	17 41	16 47	1 21	1 9	17 8	7 0	5 17
S 14	23 33	18 11	4 49	21 22	0 39	17 33	1 30	5 4	1 36	15 49	1 2	1 6	2 32	9 32	0 45	22 36	0 54	17 40	16 47	1 16	1 7	17 8	7 0	5 16
S 15	23 33	18 35	4 59	21 42	0 31	17 10	1 25	5 17	1 36	15 45	1 2	1 5	2 32	9 32	0 45	22 36	0 54	17 40	16 46	1 10	1 6	17 7	6 59	5 16
M16	23 33	18 8	4 56	22 2	0 23	16 46	1 21	5 30	1 37	15 41	1 2	1 4	2 32	9 31	0 45	22 36	0 54	17 39	16 46	1 4	1 5	17 6	6 59	5 16
T 17	23 33	16 54	4 40	22 20	0 15	16 22	1 16	5 42	1 37	15 37	1 2	1 3	2 31	9 30	0 45	22 36	0 54	17 39	16 45	0 58	1 4	17 5	6 58	5 15
W18	23 31	14 57	4 11	22 37	0 8	15 58	1 11	5 55	1 37	15 33	1 2	1 2	2 31	9 30	0 45	22 36	0 54	17 39	16 45	0 53	1 2	17 5	6 57	5 15
T 19	23 30	12 23	3 32	22 54	0 0	15 34	1 6	6 7	1 37	15 29	1 2	1 1	2 31	9 29	0 45	22 36	0 54	17 38	16 45	0 49	1 1	17 4	6 57	5 15
F 20	23 28	9 17	2 44	23 9	0s 7	15 10	1 1	6 20	1 37	15 25	1 2	1 0	2 31	9 28	0 45	22 36	0 54	17 38	16 44	0 47	1 0	17 3	6 56	5 14
S 21	23 25	5 47	1 47	23 24	0 14	14 45	0 55	6 32	1 37	15 21	1 1	0 59	2 30	9 27	0 45	22 36	0 54	17 37	16 44	0 45	0 59	17 2	6 55	5 14
S 22	23 22	1 59	0 45	23 37	0 22	14 20	0 50	6 45	1 37	15 17	1 1	0 58	2 30	9 27	0 45	22 36	0 54	17 37	16 44	0 45	0 57	17 2	6 55	5 14
M23	23 19	1s59	0n21	23 50	0 29	13 55	0 44	6 57	1 37	15 13	1 1	0 56	2 30	9 26	0 45	22 36	0 54	17 36	16 43	0 45	0 56	17 1	6 54	5 14
T 24	23 15	5 58	1 27	24 1	0 35	13 29	0 38	7 9	1 37	15 9	1 1	0 55	2 30	9 25	0 45	22 36	0 54	17 36	16 43	0 45	0 55	17 0	6 53	5 13
W25	23 10	9 47	2 31	24 11	0 42	13 4	0 32	7 21	1 37	15 5	1 1	0 54	2 29	9 24	0 45	22 36	0 54	17 35	16 43	0 44	0 54	17 0	6 53	5 13
T 26	23 6	13 14	3 29	24 20	0 48	12 38	0 26	7 33	1 37	15 1	1 1	0 52	2 29	9 23	0 45	22 37	0 54	17 34	16 42	0 43	0 52	16 59	6 52	5 13
F 27	23 0	16 1	4 16	24 27	0 55	12 12	0 20	7 45	1 38	14 57	1 1	0 51	2 29	9 22	0 45	22 37	0 54	17 34	16 42	0 40	0 51	16 58	6 51	5 12
S 28	22 54	17 53	4 48	24 34	1 1	11 46	0 13	7 57	1 38	14 52	1 1	0 50	2 28	9 21	0 45	22 37	0 54	17 33	16 42	0 36	0 50	16 57	6 50	5 12
S 29	22 48	18 33	5 1	24 39	1 6	11 20	0 6	8 8	1 38	14 48	1 1	0 48	2 28	9 21	0 45	22 37	0 54	17 33	16 41	0 32	0 48	16 57	6 50	5 12
M30	22 41	17 53	4 52	24 43	1 12	10 54	0n 1	8 20	1 38	14 44	1 1	0 47	2 28	9 20	0 45	22 37	0 54	17 32	16 41	0 27	0 47	16 56	6 49	5 12
T 31	22s34	15s55	4n23	24s45	1s17	10s28	0n 8	8s32	1n38	14s39	1s 1	0s45	2s28	9s19	0s45	22n37	0s54	17s32	16s41	0s23	0s46	16n55	6s48	5n11

Julian Day Number = 2117323.5, Delta T = 18m32s
Ecliptic obliquity = 23°33'19, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°59'02, Lahiri = 11°06'02 Julian Calendar 1 Dec. 1084 == Greg. Calendar 7 Dec. 1084

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1085
geocentric

JANUARY 1085 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 6 4	17♉10'27	15♒23	6♉33	3♓33	26♎25	23♒52	3♈50	8♓ 1	3°R15	24♓18	0°R49	1♎52	22♋35	29♒40	W 1
T 2	7 10 0	18°11'33	0♓15	8° 8	4°26	26°56	24° 5	3°54	8° 4	3♋14	24°18	0♎43	1°49	22°41	29°43	T 2
F 3	7 13 57	19°12'38	14°40	9°43	5°19	27°28	24°19	3°57	8° 6	3°12	24°19	0°40	1°45	22°48	29°46	F 3
S 4	7 17 53	20°13'42	28°38	11°19	6°10	27°59	24°32	4° 1	8° 9	3°11	24°20	0°D39	1°42	22°55	29°49	S 4
S 5	7 21 50	21°14'44	12♈ 8	12°56	7° 1	28°31	24°45	4° 5	8°11	3° 9	24°21	0°39	1°39	23° 2	29°53	S 5
M 6	7 25 46	22°15'45	25°13	14°33	7°52	29° 2	24°58	4° 9	8°14	3° 7	24°21	0°R39	1°36	23° 8	29°56	M 6
T 7	7 29 43	23°16'46	7♉56	16°11	8°41	29°33	25°12	4°13	8°16	3° 6	24°22	0°38	1°33	23°15	29°59	T 7
W 8	7 33 40	24°17'45	20°23	17°50	9°29	0♏ 4	25°25	4°17	8°19	3° 4	24°23	0°35	1°29	23°22	0♓ 3	W 8
T 9	7 37 36	25°18'42	2♊37	19°29	10°17	0°35	25°39	4°21	8°22	3° 3	24°24	0°29	1°26	23°28	0° 6	T 9
F 10	7 41 33	26°19'39	14°42	21° 8	11° 3	1° 5	25°52	4°25	8°24	3° 1	24°25	0°21	1°23	23°35	0° 9	F 10
S 11	7 45 29	27°20'34	26°40	22°49	11°49	1°36	26° 6	4°30	8°27	3° 0	24°26	0°10	1°20	23°42	0°13	S 11
S 12	7 49 26	28°21'28	8♋35	24°30	12°34	2° 6	26°19	4°34	8°30	2°58	24°27	29♍58	1°17	23°49	0°16	S 12
M13	7 53 22	29°22'21	20°27	26°12	13°17	2°37	26°33	4°39	8°33	2°57	24°27	29°45	1°14	23°55	0°20	M13
T 14	7 57 19	0♒23'12	2♌19	27°55	14° 0	3° 7	26°47	4°43	8°36	2°55	24°28	29°33	1°10	24° 2	0°23	T 14
W15	8 1 15	1°24'03	14°12	29°38	14°41	3°37	27° 0	4°48	8°39	2°54	24°29	29°23	1° 7	24° 9	0°27	W15
T 16	8 5 12	2°24'52	26° 7	1♒22	15°21	4° 7	27°14	4°53	8°42	2°52	24°30	29°16	1° 4	24°15	0°30	T 16
F 17	8 9 9	3°25'40	8♍ 6	3° 7	16° 0	4°36	27°28	4°57	8°44	2°51	24°31	29°11	1° 1	24°22	0°34	F 17
S 18	8 13 5	4°26'27	20°12	4°53	16°37	5° 6	27°42	5° 2	8°47	2°49	24°32	29° 8	0°58	24°29	0°37	S 18
S 19	8 17 2	5°27'13	2♎28	6°39	17°13	5°35	27°56	5° 7	8°50	2°48	24°33	29°D 8	0°55	24°36	0°41	S 19
M20	8 20 58	6°27'57	14°57	8°26	17°48	6° 5	28°10	5°12	8°53	2°47	24°34	29° 9	0°51	24°42	0°45	M20
T 21	8 24 55	7°28'41	27°44	10°14	18°21	6°34	28°24	5°18	8°56	2°45	24°35	29°10	0°48	24°49	0°48	T 21
W22	8 28 51	8°29'23	10♏53	12° 2	18°53	7° 2	28°38	5°23	8°59	2°44	24°37	29°R10	0°45	24°56	0°52	W22
T 23	8 32 48	9°30'05	24°27	13°51	19°24	7°31	28°52	5°28	9° 3	2°43	24°38	29° 9	0°42	25° 2	0°56	T 23
F 24	8 36 44	10°30'45	8♐28	15°41	19°52	8° 0	29° 6	5°34	9° 6	2°41	24°39	29° 6	0°39	25° 9	1° 0	F 24
S 25	8 40 41	11°31'24	22°56	17°31	20°19	8°28	29°20	5°39	9° 9	2°40	24°40	29° 1	0°35	25°16	1° 3	S 25
S 26	8 44 38	12°32'02	7♑47	19°22	20°45	8°56	29°34	5°45	9°12	2°39	24°41	28°54	0°32	25°23	1° 7	S 26
M27	8 48 34	13°32'38	22°55	21°12	21° 8	9°24	29°49	5°50	9°15	2°38	24°42	28°47	0°29	25°29	1°11	M27
T 28	8 52 31	14°33'13	8♒10	23° 3	21°30	9°52	0♓ 3	5°56	9°18	2°37	24°43	28°40	0°26	25°36	1°15	T 28
W29	8 56 27	15°33'47	23°22	24°54	21°49	10°19	0°17	6° 2	9°22	2°35	24°44	28°34	0°23	25°43	1°18	W29
T 30	9 0 24	16°34'18	8♓20	26°45	22° 7	10°47	0°31	6° 7	9°25	2°34	24°46	28°31	0°20	25°49	1°22	T 30
F 31	9 4 20	17♒34'48	22♓55	28♒35	22♓23	11♏14	0♓46	6♈13	9♓28	2♋33	24♓47	28°D29	0♎16	25♋56	1♓26	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s27	12s52	3n35	24s46	1s22	10s 1	0n15	8s43	1n38	14s35	1s 1	0s43	2s27	9s18	0s45	22n37	0s54	17s31	16s40	0s20	0s45	16n54	6s47	5n11
T 2	22 19	9 3	2 34	24 45	1 27	9 35	0 22	8 55	1 38	14 31	1 1	0 42	2 27	9 17	0 45	22 37	0 54	17 31	16 40	0 17	0 43	16 53	6 46	5 11
F 3	22 10	4 47	1 24	24 43	1 32	9 9	0 30	9 6	1 38	14 26	1 1	0 40	2 27	9 16	0 45	22 37	0 54	17 30	16 40	0 16	0 42	16 53	6 45	5 11
S 4	22 1	0 23	0 11	24 40	1 36	8 42	0 38	9 17	1 38	14 22	1 1	0 38	2 27	9 15	0 45	22 37	0 54	17 29	16 39	0 16	0 41	16 52	6 44	5 11
S 5	21 52	3n53	1s 1	24 35	1 40	8 16	0 46	9 28	1 38	14 17	1 1	0 37	2 27	9 14	0 45	22 37	0 54	17 29	16 39	0 16	0 40	16 51	6 44	5 10
M 6	21 42	7 50	2 7	24 29	1 44	7 50	0 54	9 39	1 38	14 13	1 1	0 35	2 26	9 13	0 45	22 37	0 54	17 28	16 39	0 16	0 38	16 50	6 43	5 10
T 7	21 32	11 19	3 4	24 21	1 48	7 24	1 2	9 50	1 38	14 8	1 1	0 33	2 26	9 12	0 45	22 37	0 54	17 28	16 38	0 15	0 37	16 50	6 42	5 10
W 8	21 22	14 12	3 52	24 11	1 51	6 57	1 11	10 1	1 38	14 4	1 1	0 31	2 26	9 11	0 45	22 37	0 54	17 27	16 38	0 14	0 36	16 49	6 41	5 10
T 9	21 11	16 24	4 28	24 0	1 54	6 31	1 19	10 12	1 38	13 59	1 1	0 29	2 26	9 10	0 45	22 37	0 54	17 26	16 38	0 12	0 34	16 48	6 40	5 9
F 10	20 59	17 50	4 52	23 48	1 56	6 6	1 28	10 23	1 38	13 54	1 1	0 27	2 25	9 9	0 45	22 37	0 54	17 26	16 37	0 8	0 33	16 47	6 39	5 9
S 11	20 48	18 29	5 2	23 34	1 58	5 40	1 37	10 33	1 38	13 50	1 1	0 25	2 25	9 8	0 45	22 37	0 54	17 25	16 37	0 4	0 32	16 46	6 38	5 9
S 12	20 35	18 18	4 59	23 18	2 0	5 14	1 47	10 44	1 38	13 45	1 0	0 23	2 25	9 7	0 45	22 38	0 54	17 25	16 37	0n 1	0 31	16 46	6 37	5 9
M13	20 23	17 19	4 44	23 0	2 2	4 49	1 56	10 54	1 38	13 40	1 0	0 21	2 25	9 6	0 45	22 38	0 54	17 24	16 37	0 6	0 29	16 45	6 36	5 9
T 14	20 10	15 35	4 16	22 41	2 3	4 24	2 5	11 5	1 38	13 36	1 0	0 19	2 24	9 4	0 45	22 38	0 54	17 23	16 36	0 11	0 28	16 44	6 35	5 8
W15	19 57	13 12	3 36	22 20	2 3	3 59	2 15	11 15	1 38	13 31	1 0	0 17	2 24	9 3	0 45	22 38	0 54	17 23	16 36	0 15	0 27	16 43	6 34	5 8
T 16	19 43	10 15	2 47	21 58	2 4	3 34	2 25	11 25	1 38	13 26	1 0	0 15	2 24	9 2	0 44	22 38	0 54	17 22	16 36	0 18	0 26	16 42	6 33	5 8
F 17	19 29	6 52	1 50	21 33	2 3	3 10	2 35	11 35	1 38	13 21	1 0	0 13	2 24	9 1	0 44	22 38	0 54	17 21	16 35	0 20	0 24	16 42	6 31	5 8
S 18	19 15	3 10	0 48	21 7	2 3	2 46	2 45	11 45	1 38	13 16	1 0	0 11	2 24	9 0	0 44	22 38	0 54	17 21	16 35	0 21	0 23	16 41	6 30	5 8
S 19	19 0	0s43	0n18	20 40	2 2	2 22	2 56	11 55	1 38	13 12	1 0	0 9	2 23	8 59	0 44	22 38	0 54	17 20	16 35	0 21	0 22	16 40	6 29	5 8
M20	18 45	4 38	1 24	20 10	2 0	1 59	3 6	12 5	1 37	13 7	1 0	0 7	2 23	8 58	0 44	22 38	0 54	17 19	16 35	0 21	0 21	16 39	6 28	5 7
T 21	18 29	8 25	2 28	19 39	1 58	1 36	3 17	12 14	1 37	13 2	1 0	0 4	2 23	8 56	0 44	22 38	0 54	17 19	16 34	0 20	0 19	16 38	6 27	5 7
W22	18 14	11 55	3 26	19 7	1 55	1 14	3 28	12 24	1 37	12 57	1 0	0 2	2 23	8 55	0 44	22 38	0 54	17 18	16 34	0 20	0 18	16 38	6 26	5 7
T 23	17 58	14 52	4 14	18 32	1 52	0 52	3 39	12 33	1 37	12 52	1 0	0n 0	2 23	8 54	0 44	22 38	0 53	17 17	16 34	0 20	0 17	16 37	6 25	5 7
F 24	17 41	17 4	4 48	17 56	1 48	0 30	3 50	12 43	1 37	12 47	1 0	0 3	2 22	8 53	0 44	22 38	0 53	17 17	16 34	0 22	0 15	16 36	6 24	5 7
S 25	17 25	18 16	5 6	17 19	1 44	0 10	4 1	12 52	1 37	12 42	1 0	0 5	2 22	8 52	0 44	22 38	0 53	17 16	16 33	0 24	0 14	16 35	6 22	5 7
S 26	17 8	18 16	5 4	16 39	1 39	0n11	4 12	13 1	1 37	12 37	1 0	0 7	2 22	8 51	0 44	22 38	0 53	17 15	16 33	0 26	0 13	16 34	6 21	5 6
M27	16 50	16 58	4 41	15 59	1 34	0 31	4 24	13 10	1 37	12 32	1 0	0 10	2 22	8 49	0 44	22 38	0 53	17 15	16 33	0 29	0 12	16 33	6 20	5 6
T 28	16 33	14 28	3 58	15 16	1 27	0 50	4 35	13 19	1 36	12 27	1 0	0 12	2 22	8 48	0 44	22 38	0 53	17 14	16 33	0 32	0 10	16 33	6 19	5 6
W29	16 15	10 59	2 59	14 33	1 20	1 8	4 47	13 28	1 36	12 22	1 0	0 15	2 21	8 47	0 44	22 38	0 53	17 13	16 32	0 34	0 9	16 32	6 18	5 6
T 30	15 57	6 50	1 47	13 48	1 13	1 26	4 59	13 37	1 36	12 17	1 0	0 17	2 21	8 46	0 44	22 39	0 53	17 13	16 32	0 36	0 8	16 31	6 16	5 6
F 31	15s38	2s22	0n30	13s 2	1s 5	1n43	5n11	13s45	1n36	12s12	1s 0	0n19	2s21	8s44	0s44	22n39	0s53	17s12	16s32	0n36	0s 7	16n30	6s15	5n 6

Julian Day Number = 2117354.5, Delta T = 18m32s
Ecliptic obliquity = 23°33'19, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°59'06, Lahiri = 11°06'06 Julian Calendar 1 Jan. 1085 == Greg. Calendar 7 Jan. 1085

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1085
geocentric

FEBRUARY 1085 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 8 17	18♒35'16	7♈ 5	0♓25	22♓36	11♏41	1♓ 0	6♈19	9♓31	2°R32	24♓48	28♍29	0♎13	26♋ 3	1♓30	S 1
S 2	9 12 13	19°35'42	20°45	2°13	22°48	12° 7	1°14	6°25	9°35	2♋31	24°49	28°30	0°10	26°10	1°34	S 2
M 3	9 16 10	20°36'07	3♉59	4° 0	22°57	12°34	1°29	6°31	9°38	2°30	24°51	28°32	0° 7	26°16	1°38	M 3
T 4	9 20 7	21°36'29	16°49	5°45	23° 4	13° 0	1°43	6°37	9°41	2°29	24°52	28°R33	0° 4	26°23	1°42	T 4
W 5	9 24 3	22°36'49	29°18	7°28	23° 8	13°26	1°57	6°44	9°44	2°28	24°53	28°33	0° 0	26°30	1°45	W 5
T 6	9 28 0	23°37'07	11♊32	9° 8	23°R10	13°52	2°12	6°50	9°48	2°27	24°54	28°31	29♍57	26°36	1°49	T 6
F 7	9 31 56	24°37'23	23°34	10°45	23°10	14°17	2°26	6°56	9°51	2°26	24°56	28°28	29°54	26°43	1°53	F 7
S 8	9 35 53	25°37'37	5♋29	12°19	23° 7	14°42	2°41	7° 3	9°54	2°25	24°57	28°23	29°51	26°50	1°57	S 8
S 9	9 39 49	26°37'49	17°20	13°47	23° 1	15° 7	2°55	7° 9	9°58	2°24	24°58	28°18	29°48	26°56	2° 1	S 9
M10	9 43 46	27°37'59	29°11	15°11	22°53	15°32	3°10	7°15	10° 1	2°24	25° 0	28°12	29°45	27° 3	2° 5	M10
T 11	9 47 42	28°38'08	11♌ 4	16°29	22°43	15°56	3°24	7°22	10° 5	2°23	25° 1	28° 6	29°41	27°10	2° 9	T 11
W12	9 51 39	29°38'14	23° 1	17°41	22°30	16°21	3°39	7°29	10° 8	2°22	25° 2	28° 2	29°38	27°17	2°13	W12
T 13	9 55 36	0♓38'18	5♍ 3	18°47	22°14	16°45	3°53	7°35	10°11	2°21	25° 4	27°58	29°35	27°23	2°17	T 13
F 14	9 59 32	1°38'20	17°13	19°45	21°56	17° 8	4° 8	7°42	10°15	2°21	25° 5	27°56	29°32	27°30	2°21	F 14
S 15	10 3 29	2°38'20	29°32	20°35	21°36	17°32	4°22	7°49	10°18	2°20	25° 6	27°D56	29°29	27°37	2°24	S 15
S 16	10 7 25	3°38'19	12♎ 1	21°17	21°13	17°55	4°37	7°55	10°22	2°19	25° 8	27°57	29°26	27°43	2°28	S 16
M17	10 11 22	4°38'15	24°43	21°51	20°48	18°17	4°51	8° 2	10°25	2°19	25° 9	27°58	29°22	27°50	2°32	M17
T 18	10 15 18	5°38'10	7♏40	22°16	20°21	18°40	5° 6	8° 9	10°28	2°18	25°11	28° 0	29°19	27°57	2°36	T 18
W19	10 19 15	6°38'04	20°53	22°32	19°52	19° 2	5°20	8°16	10°32	2°17	25°12	28° 1	29°16	28° 4	2°40	W19
T 20	10 23 11	7°37'55	4♐25	22°R39	19°21	19°24	5°35	8°23	10°35	2°17	25°13	28°R 2	29°13	28°10	2°44	T 20
F 21	10 27 8	8°37'45	18°18	22°38	18°49	19°45	5°49	8°30	10°39	2°16	25°15	28° 1	29°10	28°17	2°48	F 21
S 22	10 31 5	9°37'34	2♑31	22°28	18°15	20° 6	6° 4	8°37	10°42	2°16	25°16	28° 0	29° 6	28°24	2°52	S 22
S 23	10 35 1	10°37'20	17° 2	22°10	17°40	20°27	6°18	8°44	10°46	2°16	25°18	27°59	29° 3	28°30	2°56	S 23
M24	10 38 58	11°37'05	1♒46	21°45	17° 4	20°47	6°32	8°51	10°49	2°15	25°19	27°56	29° 0	28°37	3° 0	M24
T 25	10 42 54	12°36'48	16°39	21°12	16°27	21° 7	6°47	8°58	10°52	2°15	25°20	27°54	28°57	28°44	3° 4	T 25
W26	10 46 51	13°36'29	1♓32	20°33	15°49	21°27	7° 1	9° 5	10°56	2°14	25°22	27°53	28°54	28°50	3° 7	W26
T 27	10 50 47	14°36'08	16°18	19°49	15°11	21°46	7°16	9°12	10°59	2°14	25°23	27°52	28°51	28°57	3°11	T 27
F 28	10 54 44	15♓35'45	0♈48	19♓ 1	14♓34	22♏ 5	7♓30	9♈20	11♓ 3	2♋14	25♓25	27°D52	28♍47	29♋ 4	3♓15	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	15s20	2n 7	0s47	12s15	0s56	1n59	5n22	13s54	1n36	12s 7	1s 0	0n22	2s21	8s43	0s44	22n39	0s53	17s11	16s32	0n36	0s 5	16n29	6s14	5n 6	S 1
S 2	15 1	6 19	1 58	11 27	0 46	2 14	5 34	14 2	1 35	12 2	1 0	0 25	2 21	8 42	0 44	22 39	0 53	17 11	16 32	0 36	0 4	16 28	6 13	5 6	S 2
M 3	14 42	10 4	3 1	10 39	0 36	2 29	5 46	14 10	1 35	11 56	1 0	0 27	2 21	8 41	0 44	22 39	0 53	17 10	16 31	0 35	0 3	16 28	6 11	5 6	M 3
T 4	14 22	13 13	3 53	9 50	0 25	2 42	5 57	14 18	1 35	11 51	1 0	0 30	2 20	8 39	0 44	22 39	0 53	17 9	16 31	0 35	0 1	16 27	6 10	5 5	T 4
W 5	14 3	15 40	4 32	9 1	0 13	2 54	6 9	14 26	1 35	11 46	1 0	0 32	2 20	8 38	0 44	22 39	0 53	17 9	16 31	0 35	0 0	16 26	6 9	5 5	W 5
T 6	13 43	17 21	4 58	8 12	0 1	3 6	6 21	14 34	1 34	11 41	1 0	0 35	2 20	8 37	0 44	22 39	0 53	17 8	16 31	0 36	0n 1	16 25	6 7	5 5	T 6
F 7	13 23	18 14	5 10	7 23	0n12	3 16	6 32	14 42	1 34	11 36	1 0	0 38	2 20	8 36	0 44	22 39	0 53	17 7	16 31	0 37	0 2	16 24	6 6	5 5	F 7
S 8	13 2	18 17	5 9	6 36	0 25	3 25	6 43	14 50	1 34	11 31	1 1	0 40	2 20	8 34	0 44	22 39	0 53	17 7	16 30	0 39	0 4	16 23	6 5	5 5	S 8
S 9	12 42	17 33	4 55	5 49	0 39	3 33	6 54	14 58	1 34	11 25	1 1	0 43	2 20	8 33	0 44	22 39	0 53	17 6	16 30	0 41	0 5	16 22	6 4	5 5	S 9
M10	12 21	16 3	4 28	5 3	0 53	3 40	7 5	15 5	1 33	11 20	1 1	0 46	2 19	8 32	0 44	22 39	0 53	17 5	16 30	0 43	0 6	16 22	6 2	5 5	M10
T 11	12 0	13 52	3 49	4 20	1 7	3 45	7 15	15 12	1 33	11 15	1 1	0 48	2 19	8 30	0 44	22 39	0 53	17 5	16 30	0 45	0 7	16 21	6 1	5 5	T 11
W12	11 39	11 5	3 0	3 39	1 21	3 49	7 26	15 20	1 33	11 10	1 1	0 51	2 19	8 29	0 44	22 39	0 53	17 4	16 30	0 47	0 9	16 20	6 0	5 5	W12
T 13	11 18	7 48	2 2	3 0	1 36	3 52	7 35	15 27	1 32	11 4	1 1	0 54	2 19	8 28	0 44	22 39	0 53	17 3	16 30	0 49	0 10	16 19	5 58	5 5	T 13
F 14	10 57	4 10	0 59	2 24	1 50	3 54	7 44	15 34	1 32	10 59	1 1	0 57	2 19	8 27	0 44	22 39	0 53	17 3	16 30	0 49	0 11	16 18	5 57	5 5	F 14
S 15	10 35	0 19	0n 9	1 51	2 4	3 54	7 53	15 41	1 31	10 54	1 1	0 59	2 19	8 25	0 44	22 39	0 53	17 2	16 29	0 50	0 13	16 17	5 56	5 5	S 15
S 16	10 13	3s36	1 17	1 22	2 18	3 52	8 1	15 48	1 31	10 49	1 1	1 2	2 19	8 24	0 44	22 39	0 53	17 1	16 29	0 49	0 14	16 16	5 54	5 5	S 16
M17	9 51	7 25	2 22	0 56	2 31	3 49	8 9	15 54	1 31	10 43	1 1	1 5	2 19	8 23	0 44	22 39	0 53	17 1	16 29	0 49	0 15	16 15	5 53	5 5	M17
T 18	9 29	10 57	3 22	0 35	2 44	3 45	8 16	16 1	1 30	10 38	1 1	1 8	2 18	8 21	0 44	22 40	0 53	17 0	16 29	0 48	0 16	16 15	5 51	5 5	T 18
W19	9 7	14 1	4 12	0 18	2 55	3 39	8 22	16 8	1 30	10 33	1 1	1 11	2 18	8 20	0 44	22 40	0 53	16 59	16 29	0 48	0 18	16 14	5 50	5 5	W19
T 20	8 45	16 23	4 49	0 5	3 6	3 32	8 27	16 14	1 29	10 27	1 1	1 13	2 18	8 19	0 44	22 40	0 53	16 59	16 29	0 47	0 19	16 13	5 49	5 5	T 20
F 21	8 22	17 52	5 11	0n 3	3 15	3 24	8 32	16 20	1 29	10 22	1 1	1 16	2 18	8 17	0 44	22 40	0 52	16 58	16 29	0 47	0 20	16 12	5 47	5 5	F 21
S 22	8 0	18 17	5 15	0 6	3 23	3 14	8 35	16 26	1 28	10 17	1 1	1 19	2 18	8 16	0 44	22 40	0 52	16 57	16 29	0 48	0 21	16 11	5 46	5 5	S 22
S 23	7 37	17 32	4 58	0 5	3 30	3 3	8 38	16 32	1 28	10 11	1 1	1 22	2 18	8 15	0 44	22 40	0 52	16 57	16 29	0 49	0 23	16 10	5 45	5 5	S 23
M24	7 14	15 36	4 23	0s 0	3 35	2 51	8 40	16 38	1 27	10 6	1 1	1 25	2 18	8 13	0 44	22 40	0 52	16 56	16 28	0 49	0 24	16 9	5 43	5 5	M24
T 25	6 52	12 36	3 29	0 10	3 38	2 37	8 41	16 44	1 26	10 1	1 1	1 28	2 18	8 12	0 44	22 40	0 52	16 55	16 28	0 50	0 25	16 8	5 42	5 5	T 25
W26	6 29	8 47	2 21	0 25	3 39	2 23	8 41	16 50	1 26	9 55	1 1	1 31	2 18	8 11	0 44	22 40	0 52	16 55	16 28	0 51	0 26	16 7	5 40	5 5	W26
T 27	6 5	4 27	1 4	0 42	3 38	2 7	8 39	16 55	1 25	9 50	1 1	1 34	2 17	8 10	0 44	22 40	0 52	16 54	16 28	0 51	0 28	16 6	5 39	5 5	T 27
F 28	5s42	0n 4	0s16	1s 4	3n36	1n51	8n37	17s 1	1n24	9s45	1s 1	1n37	2s17	8s 8	0s44	22n40	0s52	16s53	16s28	0n51	0n29	16n 6	5s38	5n 5	F 28

Julian Day Number = 2117385.5, Delta T = 18m32s
Ecliptic obliquity = 23°33'19, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°59'10, Lahiri = 11°06'11 Julian Calendar 1 Feb. 1085 == Greg. Calendar 7 Feb. 1085

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1085
geocentric

MARCH 1085 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 58 40	16♓35'19	14♈58	18°R10	13°R56	22♏23	7♓45	9♈27	11♓ 6	2°R14	25♓26	27♍52	28♍44	29♋11	3♓19	S 1
S 2	11 2 37	17°34'52	28°43	17♓16	13♓19	22°41	7°59	9°34	11°10	2♋13	25°28	27°53	28°41	29°17	3°23	S 2
M 3	11 6 33	18°34'22	12♉ 3	16°22	12°43	22°58	8°13	9°41	11°13	2°13	25°29	27°54	28°38	29°24	3°27	M 3
T 4	11 10 30	19°33'50	25° 0	15°29	12° 7	23°16	8°28	9°49	11°16	2°13	25°31	27°55	28°35	29°31	3°30	T 4
W 5	11 14 27	20°33'16	7♊34	14°36	11°33	23°32	8°42	9°56	11°20	2°13	25°32	27°55	28°32	29°37	3°34	W 5
T 6	11 18 23	21°32'39	19°52	13°46	11° 0	23°48	8°57	10° 3	11°23	2°13	25°34	27°R55	28°28	29°44	3°38	T 6
F 7	11 22 20	22°32'00	1♋56	13° 0	10°28	24° 4	9°11	10°11	11°27	2°D13	25°35	27°55	28°25	29°51	3°42	F 7
S 8	11 26 16	23°31'19	13°51	12°17	9°59	24°19	9°25	10°18	11°30	2°13	25°37	27°55	28°22	29°58	3°45	S 8
S 9	11 30 13	24°30'35	25°43	11°39	9°31	24°34	9°39	10°26	11°33	2°13	25°38	27°55	28°19	0♌ 4	3°49	S 9
M10	11 34 9	25°29'49	7♌34	11° 5	9° 5	24°48	9°54	10°33	11°37	2°13	25°40	27°54	28°16	0°11	3°53	M10
T 11	11 38 6	26°29'00	19°29	10°37	8°41	25° 2	10° 8	10°41	11°40	2°13	25°41	27°54	28°12	0°18	3°57	T 11
W12	11 42 2	27°28'10	1♍31	10°15	8°20	25°16	10°22	10°48	11°44	2°13	25°42	27°D54	28° 9	0°24	4° 0	W12
T 13	11 45 59	28°27'17	13°43	9°58	8° 1	25°28	10°36	10°56	11°47	2°14	25°44	27°54	28° 6	0°31	4° 4	T 13
F 14	11 49 56	29°26'22	26° 5	9°47	7°44	25°40	10°50	11° 3	11°50	2°14	25°45	27°R54	28° 3	0°38	4° 8	F 14
S 15	11 53 52	0♈25'25	8♎41	9°D42	7°30	25°52	11° 4	11°11	11°53	2°14	25°47	27°54	28° 0	0°44	4°11	S 15
S 16	11 57 49	1°24'25	21°30	9°42	7°18	26° 3	11°18	11°19	11°57	2°14	25°48	27°54	27°57	0°51	4°15	S 16
M17	12 1 45	2°23'24	4♏33	9°48	7° 9	26°14	11°32	11°26	12° 0	2°15	25°50	27°53	27°53	0°58	4°18	M17
T 18	12 5 42	3°22'21	17°50	9°59	7° 2	26°24	11°46	11°34	12° 3	2°15	25°51	27°53	27°50	1° 5	4°22	T 18
W19	12 9 38	4°21'16	1♐20	10°14	6°57	26°33	12° 0	11°41	12° 7	2°15	25°53	27°52	27°47	1°11	4°25	W19
T 20	12 13 35	5°20'10	15° 3	10°35	6°D55	26°42	12°14	11°49	12°10	2°16	25°54	27°51	27°44	1°18	4°29	T 20
F 21	12 17 31	6°19'01	28°58	11° 1	6°56	26°50	12°28	11°57	12°13	2°16	25°56	27°51	27°41	1°25	4°32	F 21
S 22	12 21 28	7°17'51	13♑ 5	11°31	6°59	26°58	12°42	12° 4	12°16	2°17	25°57	27°D51	27°37	1°31	4°36	S 22
S 23	12 25 24	8°16'39	27°21	12° 5	7° 4	27° 5	12°56	12°12	12°19	2°17	25°59	27°51	27°34	1°38	4°39	S 23
M24	12 29 21	9°15'26	11♒43	12°43	7°11	27°11	13° 9	12°20	12°23	2°18	26° 0	27°52	27°31	1°45	4°43	M24
T 25	12 33 18	10°14'10	26° 9	13°24	7°21	27°16	13°23	12°27	12°26	2°18	26° 1	27°53	27°28	1°51	4°46	T 25
W26	12 37 14	11°12'53	10♓35	14°10	7°33	27°21	13°37	12°35	12°29	2°19	26° 3	27°54	27°25	1°58	4°49	W26
T 27	12 41 11	12°11'34	24°55	14°59	7°47	27°25	13°50	12°43	12°32	2°20	26° 4	27°R54	27°22	2° 5	4°53	T 27
F 28	12 45 7	13°10'13	9♈ 5	15°51	8° 2	27°29	14° 4	12°50	12°35	2°20	26° 6	27°54	27°18	2°12	4°56	F 28
S 29	12 49 4	14° 8'50	23° 1	16°46	8°20	27°32	14°18	12°58	12°38	2°21	26° 7	27°53	27°15	2°18	4°59	S 29
S 30	12 53 0	15° 7'25	6♉38	17°45	8°40	27°34	14°31	13° 6	12°41	2°22	26° 9	27°51	27°12	2°25	5° 2	S 30
M31	12 56 57	16♈ 5'58	19♉55	18♓46	9♓ 1	27♏35	14♓44	13♈13	12♓44	2♋22	26♓10	27♍49	27♍ 9	2♌32	5♓ 5	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s19	4n29	1s33	1s28	3n31	1n34	8n34	17s 6	1n24	9s39	1s 1	1n40	2s17	8s 7	0s44	22n40	0s52	16s53	16s28	0n51	0n30	16n 5	5s36	5n 5
S 2	4 56	8 32	2 43	1 55	3 25	1 16	8 31	17 12	1 23	9 34	1 2	1 42	2 17	8 6	0 44	22 40	0 52	16 52	16 28	0 51	0 32	16 4	5 35	5 5
M 3	4 32	12 1	3 41	2 23	3 17	0 58	8 26	17 17	1 22	9 29	1 2	1 45	2 17	8 4	0 44	22 40	0 52	16 51	16 28	0 50	0 33	16 3	5 33	5 5
T 4	4 9	14 48	4 27	2 53	3 7	0 39	8 20	17 22	1 22	9 23	1 2	1 48	2 17	8 3	0 44	22 40	0 52	16 51	16 28	0 50	0 34	16 2	5 32	5 5
W 5	3 46	16 47	4 58	3 23	2 56	0 20	8 13	17 27	1 21	9 18	1 2	1 51	2 17	8 2	0 44	22 40	0 52	16 50	16 28	0 50	0 35	16 1	5 31	5 5
T 6	3 22	17 57	5 14	3 54	2 44	0 1	8 6	17 32	1 20	9 13	1 2	1 54	2 17	8 0	0 44	22 40	0 52	16 50	16 28	0 50	0 37	16 0	5 29	5 5
F 7	2 59	18 16	5 16	4 24	2 30	0s18	7 58	17 36	1 19	9 7	1 2	1 57	2 17	7 59	0 44	22 40	0 52	16 49	16 28	0 50	0 38	15 59	5 28	5 5
S 8	2 35	17 46	5 5	4 53	2 16	0 37	7 49	17 41	1 18	9 2	1 2	2 0	2 17	7 58	0 44	22 40	0 52	16 48	16 28	0 50	0 39	15 58	5 27	5 5
S 9	2 11	16 30	4 41	5 22	2 1	0 56	7 40	17 45	1 17	8 57	1 2	2 3	2 17	7 57	0 44	22 40	0 52	16 48	16 28	0 50	0 40	15 57	5 25	5 5
M10	1 48	14 32	4 5	5 48	1 46	1 15	7 30	17 50	1 16	8 51	1 2	2 6	2 17	7 55	0 44	22 40	0 52	16 47	16 28	0 50	0 42	15 56	5 24	5 5
T 11	1 24	11 55	3 18	6 13	1 31	1 34	7 19	17 54	1 15	8 46	1 2	2 9	2 17	7 54	0 44	22 40	0 52	16 47	16 28	0 50	0 43	15 55	5 22	5 5
W12	1 1	8 47	2 21	6 36	1 15	1 52	7 8	17 58	1 14	8 41	1 2	2 12	2 17	7 53	0 44	22 40	0 52	16 46	16 28	0 50	0 44	15 54	5 21	5 5
T 13	0 37	5 14	1 18	6 57	1 0	2 9	6 57	18 2	1 13	8 35	1 2	2 15	2 16	7 51	0 44	22 40	0 52	16 45	16 28	0 50	0 46	15 53	5 20	5 5
F 14	0 13	1 24	0 10	7 15	0 44	2 26	6 45	18 6	1 12	8 30	1 3	2 18	2 16	7 50	0 44	22 41	0 52	16 45	16 28	0 50	0 47	15 53	5 18	5 5
S 15	0n10	2s33	1n 0	7 31	0 29	2 43	6 33	18 10	1 11	8 25	1 3	2 21	2 16	7 49	0 44	22 41	0 52	16 44	16 28	0 50	0 48	15 52	5 17	5 5
S 16	0 34	6 27	2 7	7 45	0 14	2 58	6 21	18 14	1 10	8 20	1 3	2 24	2 16	7 48	0 44	22 41	0 52	16 44	16 28	0 50	0 49	15 51	5 15	5 5
M17	0 57	10 7	3 10	7 56	0s 0	3 13	6 9	18 17	1 9	8 14	1 3	2 27	2 16	7 46	0 44	22 41	0 52	16 43	16 28	0 51	0 51	15 50	5 14	5 5
T 18	1 21	13 20	4 3	8 5	0 14	3 28	5 56	18 21	1 8	8 9	1 3	2 30	2 16	7 45	0 44	22 41	0 52	16 43	16 28	0 51	0 52	15 49	5 13	5 6
W19	1 44	15 54	4 44	8 11	0 27	3 41	5 43	18 24	1 6	8 4	1 3	2 33	2 16	7 44	0 44	22 41	0 51	16 42	16 28	0 51	0 53	15 48	5 11	5 6
T 20	2 8	17 35	5 9	8 15	0 40	3 53	5 31	18 28	1 5	7 58	1 3	2 36	2 16	7 43	0 44	22 41	0 51	16 42	16 28	0 51	0 54	15 47	5 10	5 6
F 21	2 31	18 16	5 17	8 17	0 52	4 5	5 18	18 31	1 4	7 53	1 3	2 39	2 16	7 41	0 44	22 41	0 51	16 41	16 28	0 52	0 56	15 46	5 9	5 6
S 22	2 55	17 50	5 6	8 16	1 4	4 16	5 5	18 34	1 2	7 48	1 3	2 42	2 16	7 40	0 44	22 41	0 51	16 41	16 28	0 52	0 57	15 45	5 7	5 6
S 23	3 18	16 17	4 36	8 13	1 15	4 26	4 52	18 37	1 1	7 43	1 3	2 45	2 16	7 39	0 44	22 41	0 51	16 40	16 28	0 51	0 58	15 44	5 6	5 6
M24	3 41	13 41	3 49	8 8	1 25	4 35	4 40	18 40	0 59	7 38	1 4	2 48	2 16	7 38	0 44	22 41	0 51	16 40	16 28	0 51	0 59	15 43	5 5	5 6
T 25	4 4	10 15	2 47	8 1	1 35	4 43	4 27	18 42	0 58	7 32	1 4	2 51	2 16	7 37	0 44	22 41	0 51	16 39	16 29	0 51	1 1	15 42	5 3	5 6
W26	4 27	6 11	1 34	7 51	1 44	4 50	4 15	18 45	0 56	7 27	1 4	2 54	2 16	7 35	0 44	22 41	0 51	16 39	16 29	0 50	1 2	15 41	5 2	5 6
T 27	4 50	1 47	0 17	7 40	1 52	4 57	4 2	18 48	0 55	7 22	1 4	2 57	2 16	7 34	0 44	22 41	0 51	16 38	16 29	0 50	1 3	15 40	5 1	5 7
F 28	5 13	2n41	1s 1	7 27	2 0	5 2	3 50	18 50	0 53	7 17	1 4	3 0	2 16	7 33	0 44	22 41	0 51	16 38	16 29	0 50	1 5	15 39	4 59	5 7
S 29	5 36	6 54	2 14	7 12	2 7	5 7	3 38	18 52	0 51	7 12	1 4	3 3	2 16	7 32	0 44	22 41	0 51	16 37	16 29	0 51	1 6	15 38	4 58	5 7
S 30	5 59	10 41	3 18	6 55	2 14	5 11	3 26	18 55	0 49	7 7	1 4	3 6	2 16	7 31	0 44	22 41	0 51	16 37	16 29	0 51	1 7	15 37	4 57	5 7
M31	6n22	13n48	4s 9	6s36	2s20	5s13	3n14	18s57	0n48	7s 2	1s 4	3n 9	2s16	7s30	0s44	22n41	0s51	16s36	16s29	0n52	1n 8	15n36	4s56	5n 7

Julian Day Number = 2117413.5, Delta T = 18m32s
Ecliptic obliquity = 23°33'20, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°59'14, Lahiri = 11°06'14 Julian Calendar 1 March 1085 == Greg. Calendar 7 March 1085

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1085
geocentric

APRIL 1085 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 0 53	17♈ 4'29	2♊52	19♓50	9♓25	27°R36	14♓58	13♈21	12♓47	2♋23	26♓11	27°R46	27♍ 6	2♌38	5♓ 9	T 1
W 2	13 4 50	18° 2'58	15°29	20°56	9°50	27♏35	15°11	13°28	12°50	2°24	26°13	27♍43	27° 3	2°45	5°12	W 2
T 3	13 8 47	19° 1'25	27°49	22° 5	10°16	27°35	15°24	13°36	12°53	2°25	26°14	27°41	26°59	2°52	5°15	T 3
F 4	13 12 43	19°59'50	9♋55	23°17	10°44	27°33	15°38	13°44	12°56	2°26	26°15	27°40	26°56	2°58	5°18	F 4
S 5	13 16 40	20°58'12	21°51	24°31	11°14	27°31	15°51	13°51	12°59	2°27	26°17	27°D39	26°53	3° 5	5°21	S 5
S 6	13 20 36	21°56'32	3♌43	25°47	11°45	27°28	16° 4	13°59	13° 2	2°28	26°18	27°40	26°50	3°12	5°24	S 6
M 7	13 24 33	22°54'50	15°35	27° 5	12°17	27°24	16°17	14° 7	13° 4	2°29	26°20	27°41	26°47	3°18	5°27	M 7
T 8	13 28 29	23°53'06	27°32	28°25	12°51	27°19	16°30	14°14	13° 7	2°30	26°21	27°43	26°43	3°25	5°29	T 8
W 9	13 32 26	24°51'20	9♍38	29°48	13°26	27°14	16°43	14°22	13°10	2°31	26°22	27°44	26°40	3°32	5°32	W 9
T 10	13 36 22	25°49'32	21°56	1♈13	14° 3	27° 8	16°56	14°29	13°13	2°32	26°24	27°R45	26°37	3°39	5°35	T 10
F 11	13 40 19	26°47'42	4♎31	2°39	14°40	27° 1	17° 8	14°37	13°16	2°33	26°25	27°45	26°34	3°45	5°38	F 11
S 12	13 44 16	27°45'50	17°23	4° 8	15°19	26°53	17°21	14°44	13°18	2°34	26°26	27°44	26°31	3°52	5°41	S 12
S 13	13 48 12	28°43'57	0♏33	5°39	15°59	26°45	17°34	14°52	13°21	2°35	26°27	27°41	26°28	3°59	5°43	S 13
M14	13 52 9	29°42'01	14° 1	7°11	16°40	26°36	17°46	15° 0	13°23	2°36	26°29	27°37	26°24	4° 5	5°46	M14
T 15	13 56 5	0♉40'04	27°44	8°46	17°22	26°26	17°59	15° 7	13°26	2°38	26°30	27°32	26°21	4°12	5°49	T 15
W16	14 0 2	1°38'06	11♐40	10°23	18° 5	26°15	18°11	15°14	13°29	2°39	26°31	27°27	26°18	4°19	5°51	W16
T 17	14 3 58	2°36'06	25°44	12° 1	18°49	26° 4	18°23	15°22	13°31	2°40	26°32	27°22	26°15	4°25	5°54	T 17
F 18	14 7 55	3°34'05	9♑54	13°42	19°34	25°52	18°36	15°29	13°34	2°41	26°34	27°19	26°12	4°32	5°56	F 18
S 19	14 11 51	4°32'02	24° 6	15°24	20°20	25°39	18°48	15°37	13°36	2°43	26°35	27°17	26° 8	4°39	5°59	S 19
S 20	14 15 48	5°29'58	8♒18	17° 8	21° 6	25°26	19° 0	15°44	13°39	2°44	26°36	27°D16	26° 5	4°45	6° 1	S 20
M21	14 19 45	6°27'53	22°27	18°55	21°53	25°11	19°12	15°51	13°41	2°46	26°37	27°17	26° 2	4°52	6° 3	M21
T 22	14 23 41	7°25'46	6♓33	20°43	22°42	24°57	19°24	15°59	13°43	2°47	26°38	27°18	25°59	4°59	6° 6	T 22
W23	14 27 38	8°23'38	20°33	22°33	23°31	24°41	19°36	16° 6	13°46	2°48	26°40	27°R19	25°56	5° 6	6° 8	W23
T 24	14 31 34	9°21'29	4♈26	24°25	24°20	24°25	19°48	16°13	13°48	2°50	26°41	27°19	25°53	5°12	6°10	T 24
F 25	14 35 31	10°19'18	18°10	26°19	25°11	24° 9	19°59	16°21	13°50	2°51	26°42	27°18	25°49	5°19	6°12	F 25
S 26	14 39 27	11°17'06	1♉43	28°15	26° 1	23°52	20°11	16°28	13°52	2°53	26°43	27°14	25°46	5°26	6°14	S 26
S 27	14 43 24	12°14'53	15° 2	0♉13	26°53	23°34	20°23	16°35	13°55	2°54	26°44	27° 8	25°43	5°32	6°16	S 27
M28	14 47 20	13°12'38	28° 6	2°13	27°45	23°16	20°34	16°42	13°57	2°56	26°45	27° 0	25°40	5°39	6°18	M28
T 29	14 51 17	14°10'22	10♊54	4°14	28°38	22°57	20°45	16°49	13°59	2°58	26°46	26°52	25°37	5°46	6°20	T 29
W30	14 55 13	15♉ 8'05	23♊27	6♉18	29♓31	22♏38	20♓57	16♈56	14♓ 1	2♋59	26♓47	26♍44	25♍34	5♌52	6♓22	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n44	16n 9	4s46	6s16	2s25	5s15	3n 3	18s59	0n46	6s57	1s 5	3n12	2s16	7s29	0s44	22n41	0s51	16s36	16s29	0n54	1n10	15n35	4s54	5n 7
W 2	7 7	17 39	5 8	5 54	2 30	5 16	2 52	19 0	0 44	6 51	1 5	3 15	2 16	7 27	0 44	22 41	0 51	16 35	16 29	0 55	1 11	15 34	4 53	5 7
T 3	7 29	18 17	5 15	5 30	2 34	5 17	2 40	19 2	0 42	6 46	1 5	3 18	2 16	7 26	0 44	22 41	0 51	16 35	16 30	0 56	1 12	15 33	4 52	5 8
F 4	7 51	18 4	5 8	5 5	2 37	5 16	2 29	19 4	0 40	6 41	1 5	3 21	2 16	7 25	0 44	22 41	0 51	16 35	16 30	0 56	1 13	15 32	4 51	5 8
S 5	8 13	17 2	4 48	4 38	2 40	5 15	2 19	19 5	0 38	6 36	1 5	3 24	2 16	7 24	0 44	22 41	0 51	16 34	16 30	0 56	1 15	15 31	4 49	5 8
S 6	8 35	15 17	4 15	4 10	2 42	5 13	2 8	19 7	0 36	6 31	1 5	3 27	2 16	7 23	0 44	22 41	0 51	16 34	16 30	0 56	1 16	15 30	4 48	5 8
M 7	8 57	12 52	3 31	3 40	2 44	5 10	1 58	19 8	0 34	6 26	1 5	3 30	2 16	7 22	0 45	22 41	0 51	16 33	16 30	0 56	1 17	15 29	4 47	5 8
T 8	9 19	9 54	2 39	3 9	2 45	5 6	1 48	19 9	0 31	6 22	1 6	3 33	2 16	7 21	0 45	22 41	0 51	16 33	16 30	0 55	1 19	15 28	4 46	5 8
W 9	9 40	6 29	1 38	2 37	2 46	5 2	1 38	19 10	0 29	6 17	1 6	3 36	2 16	7 20	0 45	22 41	0 51	16 33	16 31	0 54	1 20	15 27	4 44	5 9
T 10	10 2	2 43	0 32	2 3	2 45	4 57	1 28	19 11	0 27	6 12	1 6	3 39	2 16	7 19	0 45	22 41	0 51	16 32	16 31	0 54	1 21	15 26	4 43	5 9
F 11	10 23	1s14	0n37	1 27	2 45	4 51	1 19	19 11	0 24	6 7	1 6	3 41	2 16	7 18	0 45	22 41	0 51	16 32	16 31	0 54	1 22	15 25	4 42	5 9
S 12	10 44	5 14	1 45	0 51	2 44	4 45	1 10	19 12	0 22	6 2	1 6	3 44	2 17	7 17	0 45	22 41	0 51	16 32	16 31	0 54	1 24	15 24	4 41	5 9
S 13	11 5	9 4	2 50	0 13	2 42	4 37	1 1	19 13	0 19	5 57	1 6	3 47	2 17	7 16	0 45	22 41	0 51	16 31	16 31	0 56	1 25	15 23	4 40	5 9
M14	11 25	12 31	3 46	0n26	2 39	4 30	0 52	19 13	0 17	5 52	1 6	3 50	2 17	7 15	0 45	22 41	0 50	16 31	16 31	0 57	1 26	15 22	4 39	5 9
T 15	11 46	15 21	4 31	1 6	2 37	4 21	0 43	19 13	0 14	5 48	1 7	3 53	2 17	7 14	0 45	22 41	0 50	16 31	16 32	0 59	1 27	15 21	4 37	5 10
W16	12 6	17 21	5 0	1 47	2 33	4 12	0 35	19 13	0 12	5 43	1 7	3 56	2 17	7 13	0 45	22 41	0 50	16 30	16 32	1 1	1 29	15 20	4 36	5 10
T 17	12 26	18 18	5 11	2 29	2 29	4 2	0 27	19 13	0 9	5 38	1 7	3 59	2 17	7 12	0 45	22 41	0 50	16 30	16 32	1 3	1 30	15 19	4 35	5 10
F 18	12 46	18 8	5 4	3 13	2 25	3 52	0 19	19 13	0 6	5 34	1 7	4 1	2 17	7 11	0 45	22 41	0 50	16 30	16 32	1 4	1 31	15 18	4 34	5 10
S 19	13 6	16 50	4 38	3 57	2 19	3 41	0 11	19 13	0 3	5 29	1 7	4 4	2 17	7 10	0 45	22 41	0 50	16 29	16 32	1 5	1 32	15 17	4 33	5 10
S 20	13 25	14 29	3 55	4 42	2 14	3 29	0 3	19 12	0 1	5 24	1 7	4 7	2 17	7 9	0 45	22 41	0 50	16 29	16 33	1 5	1 34	15 16	4 32	5 11
M21	13 44	11 17	2 58	5 28	2 8	3 17	0s 4	19 12	0s 2	5 20	1 8	4 10	2 17	7 8	0 45	22 41	0 50	16 29	16 33	1 5	1 35	15 15	4 31	5 11
T 22	14 3	7 26	1 51	6 15	2 1	3 5	0 11	19 11	0 5	5 15	1 8	4 12	2 17	7 7	0 45	22 41	0 50	16 29	16 33	1 5	1 36	15 14	4 30	5 11
W23	14 22	3 12	0 37	7 3	1 54	2 52	0 18	19 10	0 8	5 11	1 8	4 15	2 17	7 6	0 45	22 41	0 50	16 28	16 33	1 4	1 38	15 13	4 29	5 11
T 24	14 41	1n11	0s39	7 52	1 47	2 38	0 25	19 9	0 11	5 6	1 8	4 18	2 17	7 6	0 45	22 41	0 50	16 28	16 34	1 4	1 39	15 12	4 28	5 12
F 25	14 59	5 27	1 51	8 41	1 39	2 24	0 31	19 8	0 14	5 2	1 8	4 21	2 17	7 5	0 45	22 41	0 50	16 28	16 34	1 5	1 40	15 10	4 27	5 12
S 26	15 17	9 23	2 55	9 30	1 30	2 10	0 38	19 7	0 17	4 57	1 8	4 23	2 18	7 4	0 45	22 41	0 50	16 28	16 34	1 6	1 41	15 9	4 26	5 12
S 27	15 35	12 46	3 49	10 20	1 21	1 55	0 44	19 5	0 20	4 53	1 9	4 26	2 18	7 3	0 45	22 41	0 50	16 27	16 34	1 9	1 43	15 8	4 25	5 12
M28	15 53	15 27	4 30	11 10	1 12	1 39	0 50	19 4	0 24	4 49	1 9	4 29	2 18	7 2	0 45	22 41	0 50	16 27	16 35	1 12	1 44	15 7	4 24	5 12
T 29	16 10	17 18	4 56	12 1	1 3	1 23	0 55	19 2	0 27	4 44	1 9	4 31	2 18	7 2	0 45	22 41	0 50	16 27	16 35	1 15	1 45	15 6	4 23	5 13
W30	16n27	18n17	5s 7	12n51	0s53	1s 7	1s 1	19s 0	0s30	4s40	1s 9	4n34	2s18	7s 1	0s45	22n41	0s50	16s27	16s35	1n18	1n46	15n 5	4s22	5n13

Julian Day Number = 2117444.5, Delta T = 18m31s
Ecliptic obliquity = 23°33'19, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°59'18, Lahiri = 11°06'19 Julian Calendar 1 Apr. 1085 == Greg. Calendar 7 Apr. 1085

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1085
geocentric

MAY 1085 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 59 10	16♉ 5'46	5♋44	8♉23	0♈25	22°R19	21♓ 8	17♈ 4	14♓ 3	3♋ 1	26♓48	26°R36	25♍30	5♌59	6♓24	T 1
F 2	15 3 7	17° 3'25	17°49	10°29	1°20	22♏ 0	21°19	17°11	14° 5	3° 2	26°49	26♍31	25°27	6° 6	6°26	F 2
S 3	15 7 3	18° 1'03	29°45	12°37	2°15	21°40	21°30	17°18	14° 7	3° 4	26°50	26°27	25°24	6°12	6°28	S 3
S 4	15 11 0	18°58'39	11♌36	14°46	3°10	21°20	21°41	17°24	14° 9	3° 6	26°51	26°25	25°21	6°19	6°30	S 4
M 5	15 14 56	19°56'14	23°28	16°56	4° 6	20°59	21°51	17°31	14°11	3° 8	26°52	26°D25	25°18	6°26	6°31	M 5
T 6	15 18 53	20°53'47	5♍24	19° 7	5° 2	20°39	22° 2	17°38	14°12	3° 9	26°53	26°25	25°14	6°33	6°33	T 6
W 7	15 22 49	21°51'19	17°31	21°18	5°59	20°18	22°13	17°45	14°14	3°11	26°54	26°26	25°11	6°39	6°34	W 7
T 8	15 26 46	22°48'49	29°53	23°30	6°56	19°57	22°23	17°52	14°16	3°13	26°55	26°R27	25° 8	6°46	6°36	T 8
F 9	15 30 42	23°46'18	12♎34	25°42	7°54	19°37	22°33	17°59	14°18	3°15	26°56	26°25	25° 5	6°53	6°37	F 9
S 10	15 34 39	24°43'46	25°38	27°53	8°52	19°16	22°44	18° 5	14°19	3°16	26°57	26°22	25° 2	6°59	6°39	S 10
S 11	15 38 36	25°41'12	9♏ 5	0♊ 4	9°51	18°56	22°54	18°12	14°21	3°18	26°58	26°16	24°59	7° 6	6°40	S 11
M12	15 42 32	26°38'38	22°54	2°15	10°49	18°35	23° 4	18°18	14°22	3°20	26°59	26° 8	24°55	7°13	6°41	M12
T 13	15 46 29	27°36'02	7♐ 3	4°24	11°49	18°15	23°14	18°25	14°24	3°22	27° 0	25°59	24°52	7°19	6°43	T 13
W14	15 50 25	28°33'26	21°26	6°32	12°48	17°55	23°23	18°31	14°25	3°24	27° 0	25°50	24°49	7°26	6°44	W14
T 15	15 54 22	29°30'49	5♑57	8°39	13°48	17°35	23°33	18°38	14°27	3°26	27° 1	25°41	24°46	7°33	6°45	T 15
F 16	15 58 18	0♊28'11	20°29	10°44	14°48	17°16	23°43	18°44	14°28	3°28	27° 2	25°34	24°43	7°39	6°46	F 16
S 17	16 2 15	1°25'32	4♒57	12°47	15°49	16°56	23°52	18°51	14°30	3°30	27° 3	25°29	24°40	7°46	6°47	S 17
S 18	16 6 11	2°22'53	19°16	14°48	16°49	16°38	24° 1	18°57	14°31	3°32	27° 3	25°26	24°36	7°53	6°48	S 18
M19	16 10 8	3°20'13	3♓25	16°47	17°51	16°19	24°11	19° 3	14°32	3°34	27° 4	25°D26	24°33	8° 0	6°49	M19
T 20	16 14 5	4°17'32	17°20	18°44	18°52	16° 1	24°20	19° 9	14°33	3°36	27° 5	25°26	24°30	8° 6	6°50	T 20
W21	16 18 1	5°14'51	1♈ 4	20°38	19°54	15°44	24°29	19°16	14°34	3°38	27° 6	25°R26	24°27	8°13	6°51	W21
T 22	16 21 58	6°12'10	14°36	22°31	20°56	15°27	24°37	19°22	14°36	3°40	27° 6	25°24	24°24	8°20	6°52	T 22
F 23	16 25 54	7° 9'28	27°57	24°20	21°58	15°10	24°46	19°28	14°37	3°42	27° 7	25°21	24°20	8°26	6°52	F 23
S 24	16 29 51	8° 6'46	11♉ 6	26° 8	23° 0	14°54	24°55	19°34	14°38	3°44	27° 7	25°14	24°17	8°33	6°53	S 24
S 25	16 33 47	9° 4'03	24° 4	27°53	24° 3	14°39	25° 3	19°40	14°39	3°46	27° 8	25° 5	24°14	8°40	6°54	S 25
M26	16 37 44	10° 1'20	6♊51	29°35	25° 6	14°25	25°11	19°45	14°40	3°48	27° 9	24°54	24°11	8°46	6°54	M26
T 27	16 41 40	10°58'36	19°25	1♋15	26° 9	14°11	25°20	19°51	14°40	3°50	27° 9	24°41	24° 8	8°53	6°55	T 27
W28	16 45 37	11°55'51	1♋47	2°53	27°13	13°58	25°28	19°57	14°41	3°52	27°10	24°29	24° 5	9° 0	6°55	W28
T 29	16 49 34	12°53'06	13°57	4°28	28°17	13°45	25°35	20° 3	14°42	3°54	27°10	24°17	24° 1	9° 6	6°55	T 29
F 30	16 53 30	13°50'20	25°58	6° 0	29°20	13°34	25°43	20° 8	14°43	3°56	27°11	24° 7	23°58	9°13	6°56	F 30
S 31	16 57 27	14♊47'34	7♌51	7♋30	0♉24	13♏23	25♓51	20♈14	14♓43	3♋58	27♓11	24♍ 0	23♍55	9♌20	6♓56	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	16n44	18n23	5s 4	13n42	0s43	0s51	1s 6	18s58	0s33	4s36	1s 9	4n37	2s18	7s 0	0s45	22n41	0s50	16s27	16s35	1n21	1n48	15n 4	4s21	5n13	
F 2	17 1	17 38	4 47	14 32	0 32	0 34	1 11	18 56	0 36	4 32	1 10	4 39	2 18	6 59	0 45	22 41	0 50	16 27	16 36	1 24	1 49	15 3	4 20	5 13	
S 3	17 17	16 6	4 17	15 21	0 22	0 16	1 16	18 54	0 40	4 27	1 10	4 42	2 18	6 59	0 45	22 41	0 50	16 26	16 36	1 25	1 50	15 2	4 19	5 14	
S 4	17 33	13 54	3 37	16 10	0 11	0n 1	1 21	18 52	0 43	4 23	1 10	4 44	2 18	6 58	0 45	22 41	0 50	16 26	16 36	1 26	1 51	15 1	4 19	5 14	
M 5	17 49	11 7	2 48	16 58	0 1	0 19	1 26	18 50	0 46	4 19	1 10	4 47	2 18	6 57	0 45	22 41	0 50	16 26	16 37	1 26	1 53	15 0	4 18	5 14	
T 6	18 4	7 52	1 51	17 45	0n10	0 38	1 30	18 47	0 49	4 15	1 10	4 49	2 19	6 56	0 45	22 41	0 50	16 26	16 37	1 26	1 54	14 59	4 17	5 14	
W 7	18 19	4 13	0 48	18 30	0 20	0 56	1 35	18 45	0 53	4 11	1 11	4 52	2 19	6 56	0 45	22 41	0 50	16 26	16 37	1 25	1 55	14 58	4 16	5 15	
T 8	18 34	0 20	0n18	19 14	0 31	1 15	1 39	18 43	0 56	4 7	1 11	4 54	2 19	6 55	0 45	22 41	0 50	16 26	16 37	1 25	1 57	14 57	4 15	5 15	
F 9	18 48	3s41	1 25	19 56	0 41	1 35	1 43	18 40	0 59	4 3	1 11	4 57	2 19	6 55	0 45	22 41	0 50	16 26	16 38	1 26	1 58	14 56	4 15	5 15	
S 10	19 3	7 38	2 30	20 36	0 51	1 54	1 47	18 37	1 2	3 59	1 11	4 59	2 19	6 54	0 45	22 41	0 50	16 26	16 38	1 27	1 59	14 54	4 14	5 15	
S 11	19 16	11 19	3 27	21 14	1 0	2 14	1 50	18 35	1 5	3 56	1 12	5 1	2 19	6 53	0 46	22 41	0 50	16 26	16 38	1 29	2 0	14 53	4 13	5 16	
M12	19 30	14 29	4 15	21 50	1 9	2 34	1 54	18 32	1 8	3 52	1 12	5 4	2 19	6 53	0 46	22 41	0 50	16 26	16 39	1 33	2 2	14 52	4 12	5 16	
T 13	19 43	16 52	4 47	22 23	1 17	2 54	1 57	18 30	1 12	3 48	1 12	5 6	2 20	6 52	0 46	22 41	0 50	16 25	16 39	1 36	2 3	14 51	4 12	5 16	
W14	19 56	18 14	5 3	22 54	1 25	3 14	2 0	18 27	1 15	3 44	1 12	5 9	2 20	6 52	0 46	22 41	0 50	16 25	16 39	1 40	2 4	14 50	4 11	5 16	
T 15	20 9	18 27	4 59	23 22	1 32	3 35	2 3	18 24	1 18	3 41	1 12	5 11	2 20	6 51	0 46	22 41	0 50	16 25	16 40	1 44	2 5	14 49	4 10	5 17	
F 16	20 21	17 26	4 36	23 47	1 39	3 55	2 6	18 22	1 21	3 37	1 13	5 13	2 20	6 51	0 46	22 41	0 49	16 25	16 40	1 46	2 7	14 48	4 10	5 17	
S 17	20 33	15 19	3 55	24 10	1 45	4 16	2 9	18 19	1 24	3 34	1 13	5 15	2 20	6 50	0 46	22 41	0 49	16 25	16 40	1 48	2 8	14 47	4 9	5 17	
S 18	20 44	12 16	3 0	24 30	1 50	4 37	2 11	18 16	1 27	3 30	1 13	5 18	2 20	6 50	0 46	22 41	0 49	16 25	16 41	1 49	2 9	14 46	4 8	5 17	
M19	20 55	8 32	1 54	24 47	1 54	4 59	2 14	18 14	1 30	3 27	1 13	5 20	2 20	6 49	0 46	22 41	0 49	16 25	16 41	1 50	2 10	14 45	4 8	5 18	
T 20	21 6	4 22	0 43	25 2	1 58	5 20	2 16	18 11	1 33	3 23	1 14	5 22	2 21	6 49	0 46	22 41	0 49	16 25	16 41	1 49	2 12	14 43	4 7	5 18	
W21	21 17	0 2	0s30	25 14	2 1	5 41	2 18	18 9	1 35	3 20	1 14	5 24	2 21	6 48	0 46	22 41	0 49	16 25	16 42	1 49	2 13	14 42	4 7	5 18	
T 22	21 27	4n15	1 40	25 23	2 3	6 3	2 20	18 7	1 38	3 17	1 14	5 26	2 21	6 48	0 46	22 41	0 49	16 26	16 42	1 50	2 14	14 41	4 6	5 18	
F 23	21 37	8 15	2 43	25 30	2 4	6 24	2 22	18 4	1 41	3 13	1 14	5 29	2 21	6 48	0 46	22 41	0 49	16 26	16 42	1 51	2 16	14 40	4 6	5 19	
S 24	21 46	11 47	3 37	25 35	2 5	6 46	2 23	18 2	1 44	3 10	1 15	5 31	2 21	6 47	0 46	22 41	0 49	16 26	16 43	1 54	2 17	14 39	4 5	5 19	
S 25	21 55	14 42	4 19	25 37	2 5	7 8	2 25	18 0	1 46	3 7	1 15	5 33	2 21	6 47	0 46	22 41	0 49	16 26	16 43	1 58	2 18	14 38	4 5	5 19	
M26	22 4	16 51	4 46	25 38	2 4	7 30	2 26	17 58	1 49	3 4	1 15	5 35	2 22	6 47	0 46	22 41	0 49	16 26	16 43	2 2	2 19	14 37	4 4	5 20	
T 27	22 12	18 9	5 0	25 36	2 3	7 51	2 27	17 56	1 51	3 1	1 15	5 37	2 22	6 46	0 46	22 41	0 49	16 26	16 44	2 7	2 21	14 36	4 4	5 20	
W28	22 20	18 34	4 58	25 32	2 1	8 13	2 29	17 55	1 54	2 58	1 16	5 39	2 22	6 46	0 46	22 41	0 49	16 26	16 44	2 12	2 22	14 34	4 4	5 20	
T 29	22 27	18 7	4 44	25 27	1 58	8 35	2 30	17 53	1 56	2 55	1 16	5 41	2 22	6 46	0 46	22 41	0 49	16 26	16 44	2 17	2 23	14 33	4 3	5 20	
F 30	22 34	16 52	4 16	25 19	1 54	8 57	2 30	17 52	1 58	2 52	1 16	5 43	2 22	6 46	0 46	22 41	0 49	16 26	16 45	2 21	2 24	14 32	4 3	5 21	
S 31	22n41	14n53	3s38	25n10	1n50	9n19	2s31	17s51	2s 1	2s50	1s16	5n45	2s23	6s45	0s46	22n41	0s49	16s26	16s45	2n24	2n26	14n31	4s 2	5n21	

Julian Day Number = 2117474.5, Delta T = 18m31s
Ecliptic obliquity = 23°33'19, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°59'22, Lahiri = 11°06'23 Julian Calendar 1 May 1085 == Greg. Calendar 7 May 1085

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1085
geocentric

JUNE 1085 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 1 23	15♊44'47	19♌40	8♋58	1♉29	13°R13	25♓58	20♈19	14♓44	4♋ 0	27♓12	23°R55	23♍52	9♌26	6♓56	S 1
M 2	17 5 20	16°41'59	1♍30	10°22	2°33	13♏ 3	26° 6	20°24	14°45	4° 3	27°12	23♍53	23°49	9°33	6°56	M 2
T 3	17 9 16	17°39'11	13°24	11°44	3°38	12°55	26°13	20°30	14°45	4° 5	27°13	23°52	23°46	9°40	6°56	T 3
W 4	17 13 13	18°36'22	25°30	13° 4	4°43	12°47	26°20	20°35	14°46	4° 7	27°13	23°52	23°42	9°46	6°R56	W 4
T 5	17 17 9	19°33'32	7♎51	14°21	5°48	12°41	26°27	20°40	14°46	4° 9	27°13	23°51	23°39	9°53	6°56	T 5
F 6	17 21 6	20°30'42	20°33	15°34	6°53	12°35	26°33	20°45	14°47	4°11	27°14	23°50	23°36	10° 0	6°56	F 6
S 7	17 25 3	21°27'52	3♏41	16°46	7°58	12°29	26°40	20°50	14°47	4°13	27°14	23°46	23°33	10° 7	6°56	S 7
S 8	17 28 59	22°25'01	17°15	17°54	9° 4	12°25	26°46	20°55	14°47	4°16	27°14	23°39	23°30	10°13	6°56	S 8
M 9	17 32 56	23°22'10	1♐17	18°59	10° 9	12°22	26°52	21° 0	14°47	4°18	27°15	23°30	23°26	10°20	6°56	M 9
T 10	17 36 52	24°19'18	15°43	20° 1	11°15	12°19	26°58	21° 5	14°48	4°20	27°15	23°19	23°23	10°27	6°55	T 10
W11	17 40 49	25°16'27	0♑28	21° 0	12°21	12°17	27° 4	21°10	14°48	4°22	27°15	23° 8	23°20	10°33	6°55	W11
T 12	17 44 45	26°13'35	15°23	21°56	13°27	12°16	27°10	21°14	14°48	4°24	27°15	22°58	23°17	10°40	6°54	T 12
F 13	17 48 42	27°10'44	0♒19	22°49	14°34	12°D16	27°16	21°19	14°48	4°27	27°15	22°49	23°14	10°47	6°54	F 13
S 14	17 52 39	28° 7'52	15° 7	23°38	15°40	12°17	27°21	21°23	14°R48	4°29	27°16	22°43	23°11	10°53	6°53	S 14
S 15	17 56 35	29° 5'01	29°42	24°23	16°47	12°18	27°26	21°28	14°48	4°31	27°16	22°40	23° 7	11° 0	6°53	S 15
M16	18 0 32	0♋ 2'10	13♓59	25° 5	17°54	12°21	27°31	21°32	14°48	4°33	27°16	22°38	23° 4	11° 7	6°52	M16
T 17	18 4 28	0°59'20	27°57	25°43	19° 1	12°24	27°36	21°36	14°48	4°35	27°16	22°38	23° 1	11°13	6°52	T 17
W18	18 8 25	1°56'30	11♈35	26°17	20° 8	12°28	27°41	21°41	14°47	4°38	27°16	22°38	22°58	11°20	6°51	W18
T 19	18 12 21	2°53'40	24°56	26°47	21°15	12°32	27°46	21°45	14°47	4°40	27°16	22°37	22°55	11°27	6°50	T 19
F 20	18 16 18	3°50'51	8♉ 2	27°13	22°22	12°38	27°50	21°49	14°47	4°42	27°16	22°33	22°52	11°33	6°49	F 20
S 21	18 20 14	4°48'02	20°54	27°34	23°30	12°44	27°54	21°53	14°47	4°44	27°R16	22°27	22°48	11°40	6°48	S 21
S 22	18 24 11	5°45'14	3♊34	27°51	24°37	12°51	27°58	21°57	14°46	4°47	27°16	22°17	22°45	11°47	6°47	S 22
M23	18 28 8	6°42'27	16° 3	28° 3	25°45	12°59	28° 2	22° 0	14°46	4°49	27°16	22° 6	22°42	11°53	6°46	M23
T 24	18 32 4	7°39'39	28°22	28°11	26°53	13° 8	28° 6	22° 4	14°45	4°51	27°16	21°54	22°39	12° 0	6°45	T 24
W25	18 36 1	8°36'53	10♋32	28°R14	28° 1	13°17	28° 9	22° 8	14°45	4°53	27°16	21°41	22°36	12° 7	6°44	W25
T 26	18 39 57	9°34'06	22°33	28°12	29° 9	13°27	28°13	22°11	14°44	4°56	27°16	21°29	22°32	12°13	6°43	T 26
F 27	18 43 54	10°31'20	4♌28	28° 5	0♊17	13°38	28°16	22°14	14°44	4°58	27°16	21°19	22°29	12°20	6°42	F 27
S 28	18 47 50	11°28'34	16°18	27°53	1°25	13°49	28°19	22°18	14°43	5° 0	27°16	21°11	22°26	12°27	6°40	S 28
S 29	18 51 47	12°25'49	28° 5	27°37	2°34	14° 1	28°22	22°21	14°42	5° 2	27°16	21° 6	22°23	12°33	6°39	S 29
M30	18 55 43	13♋23'04	9♍54	27♋16	3♊42	14♏14	28♓24	22♈24	14♓42	5♋ 4	27♓15	21♍ 4	22♍20	12♌40	6♓38	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n47	12n17	2s51	25n 0	1n45	9n40	2s32	17s50	2s 3	2s47	1s17	5n46	2s23	6s45	0s46	22n41	0s49	16s27	16s46	2n26	2n27	14n30	4s 2	5n21
M 2	22 53	9 12	1 56	24 48	1 40	10 2	2 32	17 49	2 5	2 44	1 17	5 48	2 23	6 45	0 46	22 40	0 49	16 27	16 46	2 27	2 28	14 29	4 2	5 21
T 3	22 59	5 42	0 55	24 35	1 34	10 24	2 33	17 48	2 7	2 42	1 17	5 50	2 23	6 45	0 46	22 40	0 49	16 27	16 46	2 27	2 29	14 28	4 2	5 22
W 4	23 4	1 56	0n 9	24 21	1 27	10 45	2 33	17 48	2 9	2 39	1 17	5 52	2 23	6 45	0 46	22 40	0 49	16 27	16 47	2 27	2 31	14 26	4 1	5 22
T 5	23 9	2s 0	1 13	24 6	1 19	11 7	2 33	17 48	2 11	2 37	1 18	5 54	2 24	6 44	0 46	22 40	0 49	16 27	16 47	2 27	2 32	14 25	4 1	5 22
F 6	23 13	5 58	2 16	23 49	1 11	11 28	2 33	17 48	2 13	2 34	1 18	5 55	2 24	6 44	0 46	22 40	0 49	16 27	16 47	2 28	2 33	14 24	4 1	5 22
S 7	23 17	9 46	3 14	23 32	1 3	11 49	2 33	17 48	2 15	2 32	1 18	5 57	2 24	6 44	0 47	22 40	0 49	16 28	16 48	2 29	2 34	14 23	4 1	5 23
S 8	23 20	13 11	4 3	23 14	0 53	12 10	2 33	17 48	2 16	2 29	1 19	5 59	2 24	6 44	0 47	22 40	0 49	16 28	16 48	2 32	2 36	14 22	4 1	5 23
M 9	23 23	15 58	4 39	22 55	0 44	12 31	2 32	17 49	2 18	2 27	1 19	6 0	2 24	6 44	0 47	22 40	0 49	16 28	16 48	2 36	2 37	14 21	4 0	5 23
T 10	23 26	17 51	4 58	22 36	0 33	12 52	2 32	17 49	2 20	2 25	1 19	6 2	2 25	6 44	0 47	22 40	0 49	16 28	16 49	2 40	2 38	14 20	4 0	5 24
W11	23 28	18 35	4 58	22 17	0 23	13 13	2 31	17 50	2 21	2 23	1 19	6 3	2 25	6 44	0 47	22 40	0 49	16 29	16 49	2 44	2 40	14 18	4 0	5 24
T 12	23 30	18 3	4 38	21 57	0 11	13 33	2 31	17 52	2 23	2 21	1 20	6 5	2 25	6 44	0 47	22 40	0 49	16 29	16 50	2 48	2 41	14 17	4 0	5 24
F 13	23 31	16 17	3 59	21 36	0s 0	13 54	2 30	17 53	2 24	2 19	1 20	6 7	2 25	6 44	0 47	22 40	0 49	16 29	16 50	2 52	2 42	14 16	4 0	5 24
S 14	23 33	13 26	3 4	21 16	0 13	14 14	2 29	17 55	2 26	2 17	1 20	6 8	2 25	6 44	0 47	22 40	0 49	16 29	16 50	2 54	2 43	14 15	4 0	5 25
S 15	23 33	9 47	1 58	20 56	0 25	14 34	2 28	17 56	2 27	2 15	1 21	6 9	2 26	6 44	0 47	22 40	0 49	16 30	16 51	2 56	2 45	14 14	4 0	5 25
M16	23 33	5 38	0 46	20 35	0 39	14 53	2 27	17 58	2 29	2 13	1 21	6 11	2 26	6 44	0 47	22 40	0 49	16 30	16 51	2 56	2 46	14 13	4 0	5 25
T 17	23 33	1 15	0s28	20 15	0 52	15 13	2 26	18 0	2 30	2 12	1 21	6 12	2 26	6 44	0 47	22 40	0 49	16 30	16 51	2 56	2 47	14 11	4 0	5 25
W18	23 32	3n 6	1 39	19 55	1 6	15 32	2 25	18 3	2 31	2 10	1 21	6 14	2 26	6 44	0 47	22 40	0 49	16 30	16 52	2 56	2 48	14 10	4 0	5 26
T 19	23 31	7 11	2 42	19 36	1 20	15 51	2 24	18 5	2 32	2 9	1 22	6 15	2 27	6 44	0 47	22 39	0 49	16 31	16 52	2 57	2 50	14 9	4 0	5 26
F 20	23 30	10 51	3 36	19 17	1 34	16 10	2 22	18 8	2 33	2 7	1 22	6 16	2 27	6 45	0 47	22 39	0 49	16 31	16 53	2 58	2 51	14 8	4 0	5 26
S 21	23 28	13 56	4 17	18 58	1 49	16 28	2 21	18 11	2 34	2 6	1 22	6 17	2 27	6 45	0 47	22 39	0 49	16 31	16 53	3 1	2 52	14 7	4 0	5 26
S 22	23 26	16 18	4 45	18 40	2 4	16 46	2 19	18 14	2 35	2 4	1 23	6 19	2 27	6 45	0 47	22 39	0 49	16 32	16 53	3 4	2 53	14 5	4 0	5 27
M23	23 23	17 51	4 59	18 24	2 18	17 4	2 18	18 18	2 36	2 3	1 23	6 20	2 28	6 45	0 47	22 39	0 49	16 32	16 54	3 9	2 55	14 4	4 1	5 27
T 24	23 20	18 33	4 59	18 8	2 33	17 21	2 16	18 21	2 37	2 2	1 23	6 21	2 28	6 45	0 47	22 39	0 49	16 32	16 54	3 14	2 56	14 3	4 1	5 27
W25	23 16	18 24	4 45	17 53	2 48	17 38	2 14	18 25	2 38	2 1	1 24	6 22	2 28	6 46	0 47	22 39	0 49	16 33	16 54	3 19	2 57	14 2	4 1	5 27
T 26	23 12	17 24	4 19	17 39	3 2	17 55	2 12	18 29	2 39	2 0	1 24	6 23	2 28	6 46	0 47	22 39	0 49	16 33	16 55	3 24	2 58	14 1	4 1	5 27
F 27	23 8	15 40	3 41	17 27	3 16	18 11	2 10	18 33	2 40	1 59	1 24	6 24	2 29	6 46	0 47	22 39	0 49	16 34	16 55	3 28	3 0	13 59	4 1	5 28
S 28	23 3	13 16	2 54	17 15	3 30	18 27	2 8	18 37	2 41	1 58	1 24	6 25	2 29	6 46	0 47	22 39	0 49	16 34	16 55	3 31	3 1	13 58	4 2	5 28
S 29	22 58	10 20	1 59	17 6	3 43	18 43	2 6	18 41	2 41	1 57	1 25	6 26	2 29	6 47	0 47	22 39	0 49	16 34	16 56	3 33	3 2	13 57	4 2	5 28
M30	22n53	6n59	0s59	16n58	3s55	18n58	2s 4	18s46	2s42	1s56	1s25	6n27	2s29	6s47	0s47	22n39	0s49	16s35	16s56	3n34	3n 3	13n56	4s 2	5n28

Julian Day Number = 2117505.5, Delta T = 18m31s
Ecliptic obliquity = 23°33'18, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°59'27, Lahiri = 11°06'27 Julian Calendar 1 June 1085 == Greg. Calendar 7 June 1085

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1085
geocentric

JULY 1085 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 59 40	14♋20'19	21♍48	26°R50	4♊51	14♏28	28♓27	22♈27	14°R41	5♋ 7	27°R15	21°D 3	22♍17	12♌47	6°R36	T 1
W 2	19 3 37	15°17'34	3♎52	26♋21	6° 0	14°42	28°29	22°30	14♓40	5° 9	27♓15	21♍ 4	22°13	12°54	6♓35	W 2
T 3	19 7 33	16°14'50	16°11	25°48	7° 9	14°57	28°31	22°33	14°39	5°11	27°15	21°R 4	22°10	13° 0	6°33	T 3
F 4	19 11 30	17°12'06	28°51	25°11	8°17	15°13	28°32	22°36	14°38	5°13	27°14	21° 3	22° 7	13° 7	6°32	F 4
S 5	19 15 26	18° 9'23	11♏56	24°32	9°26	15°29	28°34	22°38	14°37	5°15	27°14	21° 1	22° 4	13°14	6°30	S 5
S 6	19 19 23	19° 6'40	25°29	23°51	10°36	15°46	28°36	22°41	14°36	5°18	27°14	20°56	22° 1	13°20	6°28	S 6
M 7	19 23 19	20° 3'58	9♐32	23° 8	11°45	16° 3	28°37	22°43	14°35	5°20	27°14	20°50	21°57	13°27	6°27	M 7
T 8	19 27 16	21° 1'16	24° 2	22°24	12°54	16°21	28°38	22°46	14°34	5°22	27°13	20°42	21°54	13°34	6°25	T 8
W 9	19 31 12	21°58'35	8♑56	21°40	14° 4	16°40	28°39	22°48	14°33	5°24	27°13	20°33	21°51	13°40	6°23	W 9
T 10	19 35 9	22°55'55	24° 4	20°57	15°13	16°59	28°39	22°50	14°32	5°26	27°12	20°24	21°48	13°47	6°21	T 10
F 11	19 39 6	23°53'15	9♒16	20°16	16°23	17°19	28°40	22°52	14°30	5°28	27°12	20°18	21°45	13°54	6°19	F 11
S 12	19 43 2	24°50'37	24°23	19°37	17°32	17°39	28°40	22°54	14°29	5°31	27°12	20°13	21°42	14° 0	6°17	S 12
S 13	19 46 59	25°47'59	9♓15	19° 1	18°42	18° 0	28°R40	22°56	14°28	5°33	27°11	20°11	21°38	14° 7	6°15	S 13
M14	19 50 55	26°45'23	23°46	18°29	19°52	18°21	28°40	22°58	14°26	5°35	27°11	20°D10	21°35	14°14	6°13	M14
T 15	19 54 52	27°42'48	7♈54	18° 2	21° 2	18°43	28°40	22°59	14°25	5°37	27°10	20°11	21°32	14°20	6°11	T 15
W16	19 58 48	28°40'14	21°37	17°39	22°12	19° 5	28°39	23° 1	14°24	5°39	27°10	20°12	21°29	14°27	6° 9	W16
T 17	20 2 45	29°37'41	4♉57	17°22	23°22	19°28	28°38	23° 2	14°22	5°41	27° 9	20°R12	21°26	14°34	6° 7	T 17
F 18	20 6 41	0♌35'10	17°57	17°11	24°33	19°51	28°37	23° 4	14°21	5°43	27° 9	20°10	21°23	14°40	6° 5	F 18
S 19	20 10 38	1°32'41	0♊40	17°D 6	25°43	20°15	28°36	23° 5	14°19	5°45	27° 8	20° 7	21°19	14°47	6° 3	S 19
S 20	20 14 35	2°30'12	13° 8	17° 8	26°53	20°39	28°35	23° 6	14°18	5°47	27° 7	20° 1	21°16	14°54	6° 0	S 20
M21	20 18 31	3°27'45	25°25	17°17	28° 4	21° 4	28°33	23° 7	14°16	5°49	27° 7	19°54	21°13	15° 0	5°58	M21
T 22	20 22 28	4°25'20	7♋32	17°33	29°15	21°29	28°32	23° 8	14°14	5°51	27° 6	19°46	21°10	15° 7	5°56	T 22
W23	20 26 24	5°22'56	19°31	17°55	0♋25	21°55	28°30	23° 9	14°13	5°53	27° 6	19°38	21° 7	15°14	5°53	W23
T 24	20 30 21	6°20'33	1♌25	18°25	1°36	22°21	28°28	23° 9	14°11	5°55	27° 5	19°30	21° 3	15°20	5°51	T 24
F 25	20 34 17	7°18'11	13°16	19° 1	2°47	22°47	28°25	23°10	14° 9	5°57	27° 4	19°23	21° 0	15°27	5°49	F 25
S 26	20 38 14	8°15'51	25° 4	19°45	3°58	23°14	28°23	23°11	14° 7	5°59	27° 4	19°19	20°57	15°34	5°46	S 26
S 27	20 42 10	9°13'31	6♍52	20°35	5° 9	23°42	28°20	23°11	14° 6	6° 1	27° 3	19°16	20°54	15°40	5°44	S 27
M28	20 46 7	10°11'13	18°43	21°32	6°20	24° 9	28°17	23°11	14° 4	6° 3	27° 2	19°D15	20°51	15°47	5°41	M28
T 29	20 50 4	11° 8'57	0♎40	22°35	7°31	24°37	28°14	23°11	14° 2	6° 5	27° 1	19°16	20°48	15°54	5°39	T 29
W30	20 54 0	12° 6'41	12°46	23°45	8°42	25° 6	28°11	23°R11	14° 0	6° 7	27° 1	19°17	20°44	16° 0	5°36	W30
T 31	20 57 57	13♌ 4'26	25♎ 7	25♋ 0	9♋54	25♏35	28♓ 7	23♈11	13♓58	6♋ 9	27♓ 0	19♍19	20♍41	16♌ 7	5♓33	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n47	3n20	0n 4	16n51	4s 7	19n13	2s 2	18s51	2s43	1s56	1s25	6n28	2s30	6s47	0s47	22n39	0s49	16s35	16s57	3n34	3n 5	13n55	4s 3	5n29
W 2	22 40	0s30	1 8	16 46	4 17	19 27	1 59	18 55	2 43	1 55	1 26	6 29	2 30	6 48	0 47	22 39	0 49	16 36	16 57	3 34	3 6	13 53	4 3	5 29
T 3	22 34	4 24	2 10	16 43	4 27	19 41	1 57	19 1	2 44	1 54	1 26	6 30	2 30	6 48	0 47	22 38	0 49	16 36	16 57	3 33	3 7	13 52	4 3	5 29
F 4	22 27	8 12	3 8	16 42	4 35	19 54	1 55	19 6	2 44	1 54	1 26	6 30	2 30	6 48	0 48	22 38	0 49	16 36	16 58	3 34	3 9	13 51	4 4	5 29
S 5	22 19	11 43	3 57	16 42	4 42	20 7	1 52	19 11	2 45	1 54	1 27	6 31	2 31	6 49	0 48	22 38	0 49	16 37	16 58	3 35	3 10	13 50	4 4	5 29
S 6	22 11	14 46	4 36	16 44	4 47	20 20	1 50	19 16	2 45	1 53	1 27	6 32	2 31	6 49	0 48	22 38	0 49	16 37	16 58	3 36	3 11	13 49	4 4	5 30
M 7	22 3	17 3	4 59	16 47	4 50	20 32	1 47	19 22	2 46	1 53	1 27	6 32	2 31	6 50	0 48	22 38	0 49	16 38	16 59	3 39	3 12	13 47	4 5	5 30
T 8	21 54	18 21	5 4	16 53	4 52	20 44	1 45	19 28	2 46	1 53	1 27	6 33	2 31	6 50	0 48	22 38	0 49	16 38	16 59	3 42	3 14	13 46	4 5	5 30
W 9	21 45	18 26	4 50	16 59	4 52	20 55	1 42	19 33	2 47	1 53	1 28	6 34	2 32	6 51	0 48	22 38	0 49	16 39	16 59	3 46	3 15	13 45	4 6	5 30
T 10	21 36	17 13	4 14	17 8	4 51	21 5	1 39	19 39	2 47	1 53	1 28	6 34	2 32	6 51	0 48	22 38	0 49	16 39	17 0	3 49	3 16	13 44	4 6	5 30
F 11	21 26	14 47	3 21	17 17	4 47	21 15	1 36	19 45	2 47	1 53	1 28	6 35	2 32	6 52	0 48	22 38	0 49	16 40	17 0	3 52	3 17	13 42	4 7	5 31
S 12	21 16	11 21	2 14	17 28	4 42	21 25	1 34	19 51	2 48	1 53	1 29	6 35	2 33	6 52	0 48	22 38	0 49	16 40	17 0	3 54	3 19	13 41	4 7	5 31
S 13	21 5	7 14	0 58	17 39	4 35	21 34	1 31	19 58	2 48	1 54	1 29	6 36	2 33	6 53	0 48	22 38	0 49	16 41	17 1	3 55	3 20	13 40	4 8	5 31
M14	20 54	2 47	0s19	17 52	4 27	21 42	1 28	20 4	2 48	1 54	1 29	6 36	2 33	6 53	0 48	22 38	0 49	16 41	17 1	3 55	3 21	13 39	4 9	5 31
T 15	20 43	1n43	1 34	18 5	4 17	21 50	1 25	20 10	2 48	1 54	1 30	6 36	2 33	6 54	0 48	22 37	0 49	16 42	17 1	3 54	3 22	13 38	4 9	5 31
W16	20 32	5 59	2 41	18 19	4 6	21 57	1 22	20 17	2 49	1 55	1 30	6 37	2 34	6 54	0 48	22 37	0 49	16 42	17 2	3 54	3 24	13 36	4 10	5 31
T 17	20 20	9 49	3 37	18 34	3 53	22 4	1 19	20 23	2 49	1 55	1 30	6 37	2 34	6 55	0 48	22 37	0 49	16 43	17 2	3 54	3 25	13 35	4 10	5 31
F 18	20 7	13 5	4 21	18 49	3 40	22 10	1 16	20 30	2 49	1 56	1 31	6 37	2 34	6 56	0 48	22 37	0 49	16 43	17 2	3 55	3 26	13 34	4 11	5 32
S 19	19 55	15 39	4 51	19 3	3 26	22 16	1 13	20 36	2 49	1 57	1 31	6 37	2 34	6 56	0 48	22 37	0 49	16 44	17 3	3 56	3 27	13 33	4 12	5 32
S 20	19 42	17 26	5 6	19 18	3 10	22 21	1 10	20 43	2 49	1 58	1 31	6 38	2 35	6 57	0 48	22 37	0 49	16 44	17 3	3 58	3 29	13 31	4 12	5 32
M21	19 28	18 22	5 6	19 33	2 55	22 25	1 7	20 50	2 49	1 58	1 31	6 38	2 35	6 58	0 48	22 37	0 49	16 45	17 3	4 1	3 30	13 30	4 13	5 32
T 22	19 15	18 27	4 53	19 47	2 39	22 29	1 4	20 56	2 49	1 59	1 32	6 38	2 35	6 58	0 48	22 37	0 49	16 45	17 4	4 4	3 31	13 29	4 14	5 32
W23	19 1	17 43	4 28	20 0	2 22	22 32	1 1	21 3	2 49	2 0	1 32	6 38	2 36	6 59	0 48	22 37	0 49	16 46	17 4	4 8	3 32	13 28	4 15	5 32
T 24	18 47	16 12	3 50	20 12	2 6	22 35	0 58	21 10	2 49	2 2	1 32	6 38	2 36	7 0	0 48	22 37	0 49	16 46	17 4	4 11	3 34	13 26	4 15	5 32
F 25	18 32	14 0	3 3	20 24	1 49	22 37	0 55	21 17	2 49	2 3	1 33	6 38	2 36	7 0	0 48	22 37	0 49	16 47	17 5	4 13	3 35	13 25	4 16	5 33
S 26	18 17	11 14	2 8	20 34	1 32	22 38	0 52	21 24	2 49	2 4	1 33	6 38	2 36	7 1	0 48	22 36	0 49	16 47	17 5	4 15	3 36	13 24	4 17	5 33
S 27	18 2	8 0	1 7	20 43	1 16	22 39	0 49	21 31	2 49	2 5	1 33	6 38	2 37	7 2	0 48	22 36	0 49	16 48	17 5	4 16	3 37	13 22	4 18	5 33
M28	17 47	4 26	0 3	20 50	1 0	22 39	0 45	21 38	2 49	2 7	1 33	6 37	2 37	7 2	0 48	22 36	0 49	16 48	17 5	4 16	3 39	13 21	4 19	5 33
T 29	17 31	0 41	1n 2	20 56	0 44	22 38	0 42	21 45	2 49	2 8	1 34	6 37	2 37	7 3	0 48	22 36	0 49	16 49	17 6	4 16	3 40	13 20	4 19	5 33
W30	17 15	3s 9	2 5	20 59	0 29	22 37	0 39	21 52	2 49	2 10	1 34	6 37	2 37	7 4	0 48	22 36	0 49	16 49	17 6	4 16	3 41	13 19	4 20	5 33
T 31	16n58	6s55	3n 3	21n 0	0s14	22n35	0s36	21s58	2s49	2s11	1s34	6n37	2s38	7s 5	0s48	22n36	0s49	16s50	17s 6	4n15	3n42	13n17	4s21	5n33

Julian Day Number = 2117535.5, Delta T = 18m30s
Ecliptic obliquity = 23°33'19, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°59'31, Lahiri = 11°06'31 Julian Calendar 1 July 1085 == Greg. Calendar 7 July 1085

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1085
geocentric

AUGUST 1085 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 1 53	14♌ 2'13	7♏45	26♋22	11♋ 5	26♏ 4	28°R 4	23°R11	13°R56	6♋11	26°R59	19♍20	20♍38	16♌14	5°R31	F 1
S 2	21 5 50	15° 0'01	20°46	27°48	12°17	26°34	28♓ 0	23♈11	13♓54	6°12	26♓58	19°R20	20°35	16°20	5♓28	S 2
S 3	21 9 46	15°57'50	4♐13	29°19	13°28	27° 4	27°56	23°11	13°52	6°14	26°57	19°18	20°32	16°27	5°26	S 3
M 4	21 13 43	16°55'41	18° 8	0♌55	14°40	27°34	27°52	23°10	13°50	6°16	26°57	19°16	20°29	16°34	5°23	M 4
T 5	21 17 39	17°53'33	2♑31	2°35	15°52	28° 5	27°47	23°10	13°48	6°18	26°56	19°12	20°25	16°40	5°20	T 5
W 6	21 21 36	18°51'26	17°18	4°18	17° 3	28°36	27°43	23° 9	13°46	6°20	26°55	19° 8	20°22	16°47	5°17	W 6
T 7	21 25 33	19°49'20	2♒23	6° 5	18°15	29° 7	27°38	23° 8	13°44	6°21	26°54	19° 4	20°19	16°54	5°15	T 7
F 8	21 29 29	20°47'16	17°37	7°54	19°27	29°39	27°33	23° 7	13°41	6°23	26°53	19° 0	20°16	17° 0	5°12	F 8
S 9	21 33 26	21°45'14	2♓50	9°46	20°39	0♐11	27°28	23° 6	13°39	6°25	26°52	18°58	20°13	17° 7	5° 9	S 9
S 10	21 37 22	22°43'13	17°53	11°39	21°51	0°43	27°23	23° 5	13°37	6°26	26°51	18°D58	20° 9	17°14	5° 6	S 10
M11	21 41 19	23°41'14	2♈37	13°34	23° 3	1°15	27°18	23° 4	13°35	6°28	26°50	18°58	20° 6	17°20	5° 4	M11
T 12	21 45 15	24°39'17	16°57	15°30	24°16	1°48	27°12	23° 3	13°33	6°30	26°49	18°59	20° 3	17°27	5° 1	T 12
W13	21 49 12	25°37'22	0♉50	17°26	25°28	2°21	27° 7	23° 1	13°30	6°31	26°48	19° 1	20° 0	17°34	4°58	W13
T 14	21 53 8	26°35'29	14°17	19°23	26°40	2°55	27° 1	23° 0	13°28	6°33	26°47	19° 2	19°57	17°40	4°55	T 14
F 15	21 57 5	27°33'38	27°20	21°20	27°53	3°28	26°55	22°58	13°26	6°34	26°46	19°R 2	19°54	17°47	4°52	F 15
S 16	22 1 2	28°31'49	10♊ 1	23°17	29° 5	4° 2	26°49	22°57	13°24	6°36	26°45	19° 2	19°50	17°54	4°49	S 16
S 17	22 4 58	29°30'02	22°25	25°14	0♌18	4°37	26°42	22°55	13°21	6°37	26°44	19° 0	19°47	18° 0	4°46	S 17
M18	22 8 55	0♍28'17	4♋35	27°10	1°30	5°11	26°36	22°53	13°19	6°39	26°43	18°58	19°44	18° 7	4°44	M18
T 19	22 12 51	1°26'34	16°35	29° 6	2°43	5°46	26°30	22°51	13°17	6°40	26°42	18°56	19°41	18°14	4°41	T 19
W20	22 16 48	2°24'54	28°28	1♍ 1	3°56	6°21	26°23	22°49	13°14	6°42	26°41	18°53	19°38	18°20	4°38	W20
T 21	22 20 44	3°23'15	10♌18	2°55	5° 9	6°56	26°16	22°47	13°12	6°43	26°40	18°51	19°35	18°27	4°35	T 21
F 22	22 24 41	4°21'38	22° 6	4°48	6°22	7°31	26° 9	22°44	13°10	6°45	26°39	18°49	19°31	18°34	4°32	F 22
S 23	22 28 37	5°20'03	3♍56	6°40	7°35	8° 7	26° 2	22°42	13° 7	6°46	26°38	18°47	19°28	18°40	4°29	S 23
S 24	22 32 34	6°18'30	15°48	8°31	8°48	8°43	25°55	22°40	13° 5	6°47	26°37	18°D47	19°25	18°47	4°26	S 24
M25	22 36 30	7°16'59	27°47	10°21	10° 1	9°19	25°48	22°37	13° 2	6°49	26°36	18°47	19°22	18°54	4°23	M25
T 26	22 40 27	8°15'29	9♎52	12°10	11°14	9°56	25°41	22°34	13° 0	6°50	26°35	18°48	19°19	19° 0	4°20	T 26
W27	22 44 24	9°14'02	22° 8	13°58	12°27	10°32	25°33	22°32	12°58	6°51	26°34	18°49	19°15	19° 7	4°18	W27
T 28	22 48 20	10°12'36	4♏36	15°45	13°40	11° 9	25°26	22°29	12°55	6°52	26°32	18°49	19°12	19°14	4°15	T 28
F 29	22 52 17	11°11'12	17°20	17°31	14°54	11°46	25°18	22°26	12°53	6°54	26°31	18°50	19° 9	19°20	4°12	F 29
S 30	22 56 13	12° 9'50	0♐22	19°16	16° 7	12°24	25°11	22°23	12°50	6°55	26°30	18°51	19° 6	19°27	4° 9	S 30
S 31	23 0 10	13♍ 8'29	13♐45	21♍ 0	17♌20	13♐ 1	25♓ 3	22♈20	12♓48	6♋56	26♓29	18°R51	19♍ 3	19♌34	4♓ 6	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n42	10s28	3n54	20n59	0s 0	22n33	0s33	22s 5	2s48	2s13	1s35	6n36	2s38	7s 6	0s48	22n36	0s49	16s51	17s 6	4n15	3n44	13n16	4s22	5n33
S 2	16 25	13 37	4 35	20 55	0n13	22 30	0 30	22 12	2 48	2 15	1 35	6 36	2 38	7 6	0 48	22 36	0 49	16 51	17 7	4 15	3 45	13 15	4 23	5 33
S 3	16 8	16 8	5 2	20 49	0 26	22 26	0 27	22 19	2 48	2 17	1 35	6 36	2 39	7 7	0 48	22 36	0 49	16 52	17 7	4 15	3 46	13 14	4 24	5 33
M 4	15 50	17 50	5 13	20 39	0 37	22 21	0 23	22 26	2 48	2 19	1 35	6 35	2 39	7 8	0 48	22 36	0 49	16 52	17 7	4 16	3 47	13 12	4 25	5 33
T 5	15 33	18 27	5 5	20 28	0 48	22 16	0 20	22 33	2 48	2 21	1 36	6 35	2 39	7 9	0 48	22 36	0 49	16 53	17 7	4 18	3 49	13 11	4 26	5 33
W 6	15 15	17 52	4 36	20 13	0 58	22 11	0 17	22 40	2 47	2 23	1 36	6 34	2 39	7 10	0 48	22 35	0 49	16 53	17 8	4 19	3 50	13 10	4 27	5 34
T 7	14 56	16 1	3 48	19 56	1 7	22 4	0 14	22 46	2 47	2 25	1 36	6 34	2 40	7 10	0 48	22 35	0 49	16 54	17 8	4 21	3 51	13 8	4 28	5 34
F 8	14 38	13 2	2 44	19 35	1 15	21 57	0 11	22 53	2 47	2 27	1 36	6 33	2 40	7 11	0 48	22 35	0 49	16 55	17 8	4 22	3 53	13 7	4 29	5 34
S 9	14 19	9 9	1 28	19 13	1 22	21 50	0 8	23 0	2 47	2 29	1 37	6 33	2 40	7 12	0 48	22 35	0 49	16 55	17 8	4 23	3 54	13 6	4 30	5 34
S 10	14 0	4 43	0 6	18 47	1 28	21 42	0 5	23 6	2 46	2 31	1 37	6 32	2 40	7 13	0 48	22 35	0 49	16 56	17 9	4 23	3 55	13 5	4 31	5 34
M11	13 41	0 6	1s15	18 20	1 34	21 33	0 2	23 13	2 46	2 34	1 37	6 31	2 41	7 14	0 48	22 35	0 49	16 56	17 9	4 23	3 56	13 3	4 32	5 34
T 12	13 22	4n25	2 28	17 50	1 38	21 23	0n 1	23 19	2 46	2 36	1 37	6 31	2 41	7 15	0 48	22 35	0 49	16 57	17 9	4 23	3 58	13 2	4 33	5 34
W13	13 2	8 32	3 31	17 18	1 42	21 13	0 4	23 26	2 45	2 39	1 38	6 30	2 41	7 16	0 48	22 35	0 49	16 57	17 9	4 22	3 59	13 1	4 34	5 34
T 14	12 43	12 4	4 20	16 44	1 44	21 2	0 7	23 32	2 45	2 41	1 38	6 29	2 41	7 16	0 48	22 35	0 49	16 58	17 9	4 22	4 0	12 59	4 35	5 34
F 15	12 23	14 54	4 53	16 8	1 46	20 51	0 10	23 38	2 44	2 44	1 38	6 28	2 42	7 17	0 49	22 35	0 49	16 59	17 10	4 22	4 1	12 58	4 36	5 34
S 16	12 3	16 55	5 12	15 30	1 47	20 39	0 13	23 45	2 44	2 46	1 38	6 27	2 42	7 18	0 49	22 35	0 49	16 59	17 10	4 22	4 3	12 57	4 37	5 34
S 17	11 42	18 6	5 15	14 51	1 47	20 27	0 16	23 51	2 44	2 49	1 38	6 27	2 42	7 19	0 49	22 34	0 49	17 0	17 10	4 22	4 4	12 55	4 38	5 34
M18	11 22	18 25	5 4	14 11	1 47	20 13	0 19	23 57	2 43	2 52	1 39	6 26	2 42	7 20	0 49	22 34	0 49	17 0	17 10	4 23	4 5	12 54	4 39	5 34
T 19	11 1	17 53	4 40	13 30	1 46	20 0	0 21	24 2	2 43	2 55	1 39	6 25	2 43	7 21	0 49	22 34	0 49	17 1	17 10	4 24	4 6	12 53	4 40	5 34
W20	10 40	16 35	4 4	12 48	1 45	19 45	0 24	24 8	2 42	2 57	1 39	6 24	2 43	7 22	0 49	22 34	0 49	17 1	17 11	4 25	4 8	12 51	4 41	5 34
T 21	10 19	14 35	3 17	12 5	1 43	19 30	0 27	24 14	2 42	3 0	1 39	6 23	2 43	7 23	0 49	22 34	0 49	17 2	17 11	4 26	4 9	12 50	4 42	5 34
F 22	9 57	11 58	2 23	11 21	1 40	19 15	0 30	24 19	2 41	3 3	1 39	6 22	2 43	7 24	0 49	22 34	0 49	17 3	17 11	4 27	4 10	12 49	4 43	5 33
S 23	9 36	8 51	1 21	10 36	1 37	18 59	0 32	24 25	2 41	3 6	1 39	6 21	2 44	7 25	0 49	22 34	0 49	17 3	17 11	4 27	4 11	12 47	4 44	5 33
S 24	9 14	5 22	0 16	9 51	1 33	18 42	0 35	24 30	2 40	3 9	1 40	6 19	2 44	7 26	0 49	22 34	0 49	17 4	17 11	4 28	4 13	12 46	4 45	5 33
M25	8 53	1 39	0n50	9 6	1 29	18 25	0 37	24 35	2 40	3 12	1 40	6 18	2 44	7 26	0 49	22 34	0 49	17 4	17 11	4 27	4 14	12 45	4 46	5 33
T 26	8 31	2s11	1 54	8 20	1 25	18 8	0 40	24 40	2 39	3 15	1 40	6 17	2 44	7 27	0 49	22 34	0 49	17 5	17 11	4 27	4 15	12 44	4 47	5 33
W27	8 9	5 57	2 55	7 34	1 20	17 50	0 42	24 45	2 39	3 18	1 40	6 16	2 44	7 28	0 49	22 34	0 49	17 5	17 12	4 27	4 16	12 42	4 49	5 33
T 28	7 47	9 32	3 48	6 48	1 15	17 31	0 45	24 50	2 38	3 21	1 40	6 15	2 45	7 29	0 49	22 34	0 49	17 6	17 12	4 27	4 18	12 41	4 50	5 33
F 29	7 24	12 45	4 31	6 2	1 10	17 12	0 47	24 55	2 38	3 24	1 40	6 13	2 45	7 30	0 49	22 33	0 49	17 6	17 12	4 26	4 19	12 39	4 51	5 33
S 30	7 2	15 25	5 2	5 16	1 5	16 52	0 49	24 59	2 37	3 27	1 40	6 12	2 45	7 31	0 49	22 33	0 49	17 7	17 12	4 26	4 20	12 38	4 52	5 33
S 31	6n39	17s19	5n17	4n29	0n59	16n32	0n52	25s 3	2s36	3s31	1s40	6n11	2s45	7s32	0s49	22n33	0s49	17s 8	17s12	4n26	4n21	12n37	4s53	5n33

Julian Day Number = 2117566.5, Delta T = 18m30s
Ecliptic obliquity = 23°33'19, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°59'35, Lahiri = 11°06'35 Julian Calendar 1 Aug. 1085 == Greg. Calendar 7 Aug. 1085

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1085
geocentric

SEPTEMBER 1085 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 4 6	14♍ 7'10	27♐31	22♍43	18♌34	13♐39	24°R55	22°R17	12°R46	6♋57	26°R28	18°R51	19♍ 0	19♌40	4°R 3	M 1
T 2	23 8 3	15° 5'53	11♑40	24°25	19°47	14°17	24♓47	22♈13	12♓43	6°58	26♓27	18♍50	18°56	19°47	4♓ 1	T 2
W 3	23 11 59	16° 4'38	26°10	26° 5	21° 1	14°55	24°40	22°10	12°41	6°59	26°26	18°50	18°53	19°54	3°58	W 3
T 4	23 15 56	17° 3'24	10♒58	27°45	22°15	15°33	24°32	22° 7	12°38	7° 0	26°24	18°50	18°50	20° 0	3°55	T 4
F 5	23 19 53	18° 2'12	25°58	29°24	23°28	16°11	24°24	22° 3	12°36	7° 1	26°23	18°50	18°47	20° 7	3°52	F 5
S 6	23 23 49	19° 1'02	11♓ 2	1♎ 2	24°42	16°50	24°16	21°59	12°34	7° 2	26°22	18°50	18°44	20°14	3°49	S 6
S 7	23 27 46	19°59'54	26° 1	2°39	25°56	17°29	24° 8	21°56	12°31	7° 3	26°21	18°50	18°40	20°20	3°47	S 7
M 8	23 31 42	20°58'48	10♈46	4°15	27°10	18° 8	24° 0	21°52	12°29	7° 4	26°20	18°50	18°37	20°27	3°44	M 8
T 9	23 35 39	21°57'45	25°12	5°51	28°24	18°47	23°52	21°48	12°26	7° 5	26°19	18°49	18°34	20°34	3°41	T 9
W10	23 39 35	22°56'43	9♉14	7°25	29°38	19°26	23°44	21°44	12°24	7° 6	26°17	18°49	18°31	20°40	3°39	W10
T 11	23 43 32	23°55'44	22°49	8°58	0♍52	20° 5	23°36	21°41	12°22	7° 6	26°16	18°48	18°28	20°47	3°36	T 11
F 12	23 47 28	24°54'47	5♊58	10°31	2° 6	20°45	23°28	21°37	12°19	7° 7	26°15	18°48	18°25	20°54	3°33	F 12
S 13	23 51 25	25°53'53	18°43	12° 3	3°20	21°25	23°19	21°33	12°17	7° 8	26°14	18°48	18°21	21° 0	3°31	S 13
S 14	23 55 22	26°53'01	1♋ 8	13°34	4°34	22° 5	23°11	21°28	12°15	7° 9	26°13	18°D48	18°18	21° 7	3°28	S 14
M15	23 59 18	27°52'11	13°17	15° 4	5°48	22°45	23° 3	21°24	12°12	7° 9	26°12	18°48	18°15	21°14	3°26	M15
T 16	0 3 15	28°51'24	25°15	16°33	7° 2	23°25	22°55	21°20	12°10	7°10	26°10	18°49	18°12	21°20	3°23	T 16
W17	0 7 11	29°50'39	7♌ 5	18° 2	8°17	24° 5	22°48	21°16	12° 8	7°10	26° 9	18°50	18° 9	21°27	3°20	W17
T 18	0 11 8	0♎49'56	18°53	19°29	9°31	24°46	22°40	21°11	12° 6	7°11	26° 8	18°51	18° 6	21°34	3°18	T 18
F 19	0 15 4	1°49'15	0♍42	20°56	10°45	25°26	22°32	21° 7	12° 3	7°12	26° 7	18°52	18° 2	21°40	3°16	F 19
S 20	0 19 1	2°48'37	12°36	22°22	12° 0	26° 7	22°24	21° 3	12° 1	7°12	26° 6	18°53	17°59	21°47	3°13	S 20
S 21	0 22 57	3°48'01	24°37	23°47	13°14	26°48	22°16	20°58	11°59	7°12	26° 4	18°R53	17°56	21°54	3°11	S 21
M22	0 26 54	4°47'27	6♎46	25°11	14°29	27°29	22° 8	20°54	11°57	7°13	26° 3	18°52	17°53	22° 0	3° 8	M22
T 23	0 30 50	5°46'55	19° 6	26°34	15°43	28°10	22° 1	20°49	11°55	7°13	26° 2	18°50	17°50	22° 7	3° 6	T 23
W24	0 34 47	6°46'25	1♏39	27°56	16°58	28°51	21°53	20°44	11°53	7°14	26° 1	18°48	17°46	22°14	3° 4	W24
T 25	0 38 44	7°45'57	14°24	29°17	18°13	29°33	21°46	20°40	11°50	7°14	26° 0	18°45	17°43	22°20	3° 2	T 25
F 26	0 42 40	8°45'31	27°22	0♏37	19°27	0♑14	21°38	20°35	11°48	7°14	25°59	18°42	17°40	22°27	2°59	F 26
S 27	0 46 37	9°45'07	10♐35	1°56	20°42	0°56	21°31	20°31	11°46	7°15	25°58	18°39	17°37	22°34	2°57	S 27
S 28	0 50 33	10°44'44	24° 3	3°14	21°57	1°38	21°24	20°26	11°44	7°15	25°56	18°37	17°34	22°40	2°55	S 28
M29	0 54 30	11°44'24	7♑46	4°30	23°11	2°20	21°17	20°21	11°42	7°15	25°55	18°D37	17°31	22°47	2°53	M29
T 30	0 58 26	12♎44'05	21♑44	5♏45	24♍26	3♑ 2	21♓10	20♈16	11♓40	7♋15	25♓54	18♍37	17♍27	22♌54	2♓51	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	6n17	18s18	5n14	3n43	0n53	16n11	0n54	25s 8	2s36	3s34	1s40	6n 9	2s45	7s33	0s49	22n33	0s49	17s 8	17s12	4n26	4n23	12n35	4s54	5n33
T 2	5 54	18 10	4 53	2 57	0 47	15 50	0 56	25 12	2 35	3 37	1 41	6 8	2 46	7 34	0 49	22 33	0 49	17 9	17 12	4 26	4 24	12 34	4 55	5 33
W 3	5 31	16 53	4 13	2 11	0 40	15 29	0 58	25 15	2 35	3 40	1 41	6 7	2 46	7 35	0 49	22 33	0 49	17 9	17 12	4 26	4 25	12 33	4 56	5 32
T 4	5 8	14 26	3 15	1 25	0 34	15 7	1 0	25 19	2 34	3 43	1 41	6 5	2 46	7 36	0 49	22 33	0 49	17 10	17 12	4 26	4 26	12 31	4 57	5 32
F 5	4 45	10 59	2 4	0 39	0 27	14 44	1 2	25 23	2 33	3 47	1 41	6 4	2 46	7 37	0 49	22 33	0 49	17 10	17 12	4 26	4 28	12 30	4 59	5 32
S 6	4 22	6 48	0 43	0s 6	0 20	14 21	1 4	25 26	2 33	3 50	1 41	6 2	2 46	7 38	0 49	22 33	0 49	17 11	17 12	4 26	4 29	12 29	5 0	5 32
S 7	3 59	2 12	0s40	0 51	0 14	13 58	1 6	25 29	2 32	3 53	1 41	6 1	2 46	7 38	0 49	22 33	0 49	17 11	17 12	4 26	4 30	12 27	5 1	5 32
M 8	3 36	2n28	1 59	1 36	0 7	13 34	1 8	25 32	2 31	3 56	1 41	5 59	2 47	7 39	0 49	22 33	0 49	17 12	17 12	4 26	4 31	12 26	5 2	5 32
T 9	3 12	6 52	3 9	2 20	0s 0	13 10	1 9	25 35	2 31	4 0	1 41	5 58	2 47	7 40	0 49	22 33	0 49	17 12	17 13	4 27	4 33	12 25	5 3	5 32
W10	2 49	10 46	4 5	3 4	0 8	12 46	1 11	25 37	2 30	4 3	1 41	5 56	2 47	7 41	0 49	22 33	0 49	17 13	17 13	4 27	4 34	12 23	5 4	5 31
T 11	2 25	13 57	4 46	3 48	0 15	12 21	1 13	25 40	2 29	4 6	1 41	5 54	2 47	7 42	0 49	22 33	0 49	17 13	17 13	4 27	4 35	12 22	5 5	5 31
F 12	2 2	16 19	5 10	4 31	0 22	11 56	1 14	25 42	2 29	4 9	1 41	5 53	2 47	7 43	0 49	22 33	0 49	17 14	17 13	4 27	4 36	12 21	5 6	5 31
S 13	1 38	17 48	5 18	5 14	0 29	11 31	1 16	25 44	2 28	4 12	1 41	5 51	2 47	7 44	0 48	22 32	0 49	17 14	17 13	4 27	4 38	12 19	5 7	5 31
S 14	1 15	18 23	5 10	5 56	0 36	11 5	1 17	25 46	2 27	4 16	1 41	5 49	2 48	7 45	0 48	22 32	0 49	17 15	17 13	4 27	4 39	12 18	5 9	5 31
M15	0 51	18 5	4 49	6 38	0 44	10 39	1 18	25 47	2 26	4 19	1 41	5 48	2 48	7 46	0 48	22 32	0 49	17 15	17 13	4 27	4 40	12 16	5 10	5 31
T 16	0 27	17 0	4 16	7 19	0 51	10 12	1 20	25 49	2 26	4 22	1 41	5 46	2 48	7 46	0 48	22 32	0 49	17 16	17 13	4 27	4 41	12 15	5 11	5 30
W17	0 4	15 10	3 32	8 0	0 58	9 45	1 21	25 50	2 25	4 25	1 41	5 44	2 48	7 47	0 48	22 32	0 49	17 16	17 13	4 26	4 43	12 14	5 12	5 30
T 18	0s20	12 43	2 39	8 40	1 5	9 18	1 22	25 51	2 24	4 28	1 41	5 43	2 48	7 48	0 48	22 32	0 49	17 16	17 13	4 26	4 44	12 12	5 13	5 30
F 19	0 44	9 44	1 39	9 19	1 12	8 51	1 23	25 52	2 23	4 31	1 41	5 41	2 48	7 49	0 48	22 32	0 49	17 17	17 13	4 26	4 45	12 11	5 14	5 30
S 20	1 7	6 20	0 35	9 58	1 19	8 23	1 24	25 52	2 23	4 34	1 41	5 39	2 48	7 50	0 48	22 32	0 49	17 17	17 13	4 25	4 46	12 10	5 15	5 30
S 21	1 31	2 38	0n32	10 36	1 26	7 56	1 25	25 53	2 22	4 37	1 41	5 37	2 48	7 51	0 48	22 32	0 49	17 18	17 12	4 25	4 48	12 8	5 16	5 29
M22	1 55	1s13	1 37	11 14	1 33	7 28	1 26	25 53	2 21	4 40	1 41	5 36	2 48	7 52	0 48	22 32	0 49	17 18	17 12	4 26	4 49	12 7	5 17	5 29
T 23	2 18	5 3	2 40	11 51	1 40	6 59	1 27	25 53	2 20	4 43	1 41	5 34	2 48	7 52	0 48	22 32	0 50	17 19	17 12	4 26	4 50	12 5	5 18	5 29
W24	2 42	8 44	3 35	12 27	1 46	6 31	1 27	25 52	2 19	4 46	1 40	5 32	2 49	7 53	0 48	22 32	0 50	17 19	17 12	4 27	4 51	12 4	5 19	5 29
T 25	3 6	12 5	4 21	13 2	1 53	6 2	1 28	25 52	2 18	4 49	1 40	5 30	2 49	7 54	0 48	22 32	0 50	17 19	17 12	4 28	4 53	12 3	5 20	5 28
F 26	3 29	14 54	4 54	13 36	1 59	5 33	1 29	25 51	2 18	4 52	1 40	5 28	2 49	7 55	0 48	22 32	0 50	17 20	17 12	4 29	4 54	12 1	5 21	5 28
S 27	3 53	17 0	5 12	14 10	2 5	5 4	1 29	25 50	2 17	4 55	1 40	5 27	2 49	7 55	0 48	22 32	0 50	17 20	17 12	4 31	4 55	12 0	5 22	5 28
S 28	4 16	18 12	5 14	14 42	2 11	4 35	1 30	25 49	2 16	4 57	1 40	5 25	2 49	7 56	0 48	22 32	0 50	17 21	17 12	4 31	4 56	11 58	5 23	5 28
M29	4 40	18 22	4 58	15 14	2 17	4 6	1 30	25 47	2 15	5 0	1 40	5 23	2 49	7 57	0 48	22 32	0 50	17 21	17 12	4 32	4 58	11 57	5 24	5 27
T 30	5s 3	17s27	4n24	15s44	2s22	3n36	1n30	25s45	2s14	5s 3	1s40	5n21	2s49	7s58	0s48	22n32	0s50	17s21	17s12	4n32	4n59	11n56	5s25	5n27

Julian Day Number = 2117597.5, Delta T = 18m30s
Ecliptic obliquity = 23°33'19, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°59'39, Lahiri = 11°06'40 Julian Calendar 1 Sept. 1085 == Greg. Calendar 7 Sept. 1085

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1085
geocentric

OCTOBER 1085 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 2 23	13♎43'48	5♒57	6♏58	25♍41	3♑44	21°R 3	20°R12	11°R38	7♋15	25°R53	18♍38	17♍24	23♌ 0	2°R49	W 1
T 2	1 6 19	14°43'32	20°22	8°10	26°56	4°26	20♓56	20♈ 7	11♓37	7°15	25♓52	18°39	17°21	23° 7	2♓47	T 2
F 3	1 10 16	15°43'19	4♓58	9°20	28°11	5° 8	20°50	20° 2	11°35	7°15	25°51	18°41	17°18	23°13	2°45	F 3
S 4	1 14 13	16°43'07	19°38	10°28	29°26	5°51	20°43	19°57	11°33	7°R16	25°50	18°R41	17°15	23°20	2°43	S 4
S 5	1 18 9	17°42'56	4♈18	11°34	0♎41	6°33	20°37	19°52	11°31	7°15	25°49	18°40	17°11	23°27	2°42	S 5
M 6	1 22 6	18°42'48	18°51	12°37	1°55	7°16	20°31	19°48	11°29	7°15	25°48	18°38	17° 8	23°33	2°40	M 6
T 7	1 26 2	19°42'42	3♉10	13°38	3°10	7°58	20°25	19°43	11°27	7°15	25°46	18°34	17° 5	23°40	2°38	T 7
W 8	1 29 59	20°42'38	17° 9	14°36	4°25	8°41	20°19	19°38	11°26	7°15	25°45	18°29	17° 2	23°47	2°36	W 8
T 9	1 33 55	21°42'36	0♊46	15°30	5°41	9°24	20°13	19°33	11°24	7°15	25°44	18°24	16°59	23°53	2°35	T 9
F 10	1 37 52	22°42'36	13°59	16°21	6°56	10° 7	20° 7	19°28	11°22	7°15	25°43	18°19	16°56	24° 0	2°33	F 10
S 11	1 41 48	23°42'38	26°48	17° 9	8°11	10°50	20° 2	19°23	11°21	7°15	25°42	18°14	16°52	24° 7	2°32	S 11
S 12	1 45 45	24°42'43	9♋16	17°51	9°26	11°33	19°57	19°19	11°19	7°15	25°41	18°12	16°49	24°13	2°30	S 12
M13	1 49 42	25°42'49	21°27	18°29	10°41	12°16	19°51	19°14	11°18	7°14	25°40	18°D10	16°46	24°20	2°29	M13
T 14	1 53 38	26°42'58	3♌25	19° 1	11°56	12°59	19°46	19° 9	11°16	7°14	25°39	18°10	16°43	24°27	2°27	T 14
W15	1 57 35	27°43'09	15°15	19°27	13°11	13°42	19°42	19° 4	11°15	7°14	25°38	18°12	16°40	24°33	2°26	W15
T 16	2 1 31	28°43'22	27° 3	19°46	14°27	14°26	19°37	19° 0	11°13	7°13	25°37	18°13	16°37	24°40	2°25	T 16
F 17	2 5 28	29°43'36	8♍54	19°58	15°42	15° 9	19°33	18°55	11°12	7°13	25°36	18°15	16°33	24°47	2°24	F 17
S 18	2 9 24	0♏43'53	20°51	20°R 2	16°57	15°53	19°28	18°50	11°11	7°12	25°36	18°R15	16°30	24°53	2°23	S 18
S 19	2 13 21	1°44'12	3♎ 0	19°57	18°12	16°36	19°24	18°45	11° 9	7°12	25°35	18°14	16°27	25° 0	2°21	S 19
M20	2 17 17	2°44'33	15°21	19°43	19°28	17°20	19°20	18°41	11° 8	7°11	25°34	18°10	16°24	25° 7	2°20	M20
T 21	2 21 14	3°44'55	27°59	19°19	20°43	18° 4	19°17	18°36	11° 7	7°11	25°33	18° 5	16°21	25°13	2°19	T 21
W22	2 25 10	4°45'20	10♏52	18°45	21°58	18°47	19°13	18°32	11° 6	7°10	25°32	17°58	16°17	25°20	2°18	W22
T 23	2 29 7	5°45'46	24° 0	18° 1	23°14	19°31	19°10	18°27	11° 5	7°10	25°31	17°49	16°14	25°27	2°18	T 23
F 24	2 33 4	6°46'14	7♐22	17° 7	24°29	20°15	19° 7	18°23	11° 4	7° 9	25°30	17°40	16°11	25°33	2°17	F 24
S 25	2 37 0	7°46'43	20°56	16° 5	25°44	20°59	19° 4	18°18	11° 3	7° 8	25°29	17°32	16° 8	25°40	2°16	S 25
S 26	2 40 57	8°47'14	4♑41	14°55	27° 0	21°43	19° 1	18°14	11° 2	7° 8	25°29	17°26	16° 5	25°47	2°15	S 26
M27	2 44 53	9°47'46	18°33	13°38	28°15	22°27	18°58	18°10	11° 1	7° 7	25°28	17°21	16° 2	25°53	2°15	M27
T 28	2 48 50	10°48'19	2♒32	12°18	29°30	23°11	18°56	18° 5	11° 0	7° 6	25°27	17°19	15°58	26° 0	2°14	T 28
W29	2 52 46	11°48'54	16°36	10°57	0♏46	23°56	18°54	18° 1	10°59	7° 5	25°26	17°D19	15°55	26° 7	2°13	W29
T 30	2 56 43	12°49'29	0♓45	9°38	2° 1	24°40	18°52	17°57	10°58	7° 5	25°25	17°20	15°52	26°13	2°13	T 30
F 31	3 0 39	13♏50'06	14♓57	8♏22	3♏17	25♑24	18♓50	17♈53	10♓58	7♋ 4	25♓25	17°R21	15♍49	26♌20	2♓13	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s27	15s25	3n34	16s14	2s27	3n 7	1n31	25s43	2s13	5s 5	1s40	5n19	2s49	7s58	0s48	22n32	0s50	17s22	17s12	4n31	5n 0	11n54	5s26	5n27
T 2	5 50	12 24	2 30	16 42	2 32	2 37	1 31	25 41	2 12	5 8	1 40	5 18	2 49	7 59	0 48	22 32	0 50	17 22	17 12	4 31	5 1	11 53	5 27	5 27
F 3	6 13	8 35	1 15	17 9	2 37	2 7	1 31	25 39	2 12	5 10	1 39	5 16	2 49	8 0	0 48	22 32	0 50	17 22	17 11	4 30	5 2	11 51	5 28	5 26
S 4	6 36	4 12	0s 5	17 35	2 41	1 37	1 31	25 36	2 11	5 13	1 39	5 14	2 49	8 0	0 48	22 32	0 50	17 23	17 11	4 30	5 4	11 50	5 29	5 26
S 5	6 59	0n25	1 25	17 59	2 45	1 7	1 31	25 33	2 10	5 15	1 39	5 12	2 49	8 1	0 48	22 32	0 50	17 23	17 11	4 30	5 5	11 49	5 30	5 26
M 6	7 22	4 59	2 38	18 22	2 48	0 37	1 31	25 30	2 9	5 17	1 39	5 10	2 49	8 2	0 48	22 32	0 50	17 23	17 11	4 31	5 6	11 47	5 31	5 25
T 7	7 45	9 11	3 40	18 44	2 51	0 7	1 31	25 27	2 8	5 20	1 39	5 8	2 49	8 2	0 48	22 32	0 50	17 24	17 11	4 33	5 7	11 46	5 32	5 25
W 8	8 7	12 46	4 27	19 3	2 54	0s23	1 30	25 23	2 7	5 22	1 39	5 7	2 49	8 3	0 48	22 32	0 50	17 24	17 11	4 34	5 9	11 44	5 32	5 25
T 9	8 30	15 33	4 58	19 21	2 55	0 53	1 30	25 19	2 6	5 24	1 38	5 5	2 49	8 4	0 48	22 32	0 50	17 24	17 11	4 37	5 10	11 43	5 33	5 25
F 10	8 53	17 26	5 11	19 38	2 57	1 24	1 30	25 15	2 5	5 26	1 38	5 3	2 49	8 4	0 48	22 32	0 50	17 24	17 10	4 39	5 11	11 41	5 34	5 24
S 11	9 15	18 22	5 9	19 52	2 57	1 54	1 29	25 10	2 4	5 28	1 38	5 1	2 49	8 5	0 48	22 32	0 50	17 25	17 10	4 40	5 12	11 40	5 35	5 24
S 12	9 37	18 23	4 51	20 4	2 57	2 24	1 29	25 6	2 3	5 30	1 38	4 59	2 49	8 5	0 48	22 32	0 50	17 25	17 10	4 41	5 14	11 39	5 36	5 24
M13	9 59	17 32	4 21	20 13	2 56	2 54	1 28	25 1	2 2	5 32	1 38	4 58	2 49	8 6	0 48	22 32	0 50	17 25	17 10	4 42	5 15	11 37	5 37	5 23
T 14	10 21	15 55	3 40	20 20	2 53	3 24	1 27	24 56	2 1	5 34	1 37	4 56	2 49	8 7	0 48	22 32	0 50	17 25	17 10	4 42	5 16	11 36	5 37	5 23
W15	10 43	13 38	2 50	20 24	2 50	3 54	1 27	24 51	2 0	5 35	1 37	4 54	2 49	8 7	0 48	22 32	0 50	17 26	17 9	4 41	5 17	11 34	5 38	5 23
T 16	11 4	10 47	1 53	20 25	2 46	4 24	1 26	24 45	1 59	5 37	1 37	4 52	2 49	8 8	0 48	22 32	0 50	17 26	17 9	4 41	5 19	11 33	5 39	5 22
F 17	11 26	7 29	0 51	20 23	2 40	4 54	1 25	24 39	1 58	5 38	1 37	4 51	2 48	8 8	0 48	22 32	0 50	17 26	17 9	4 40	5 20	11 31	5 40	5 22
S 18	11 47	3 51	0n14	20 18	2 33	5 24	1 24	24 33	1 58	5 40	1 36	4 49	2 48	8 9	0 48	22 32	0 50	17 26	17 9	4 40	5 21	11 30	5 40	5 22
S 19	12 8	0 1	1 19	20 8	2 25	5 54	1 23	24 27	1 57	5 41	1 36	4 47	2 48	8 9	0 48	22 32	0 50	17 26	17 9	4 41	5 22	11 28	5 41	5 21
M20	12 29	3s54	2 22	19 55	2 15	6 23	1 22	24 20	1 56	5 43	1 36	4 46	2 48	8 9	0 48	22 32	0 50	17 26	17 8	4 42	5 24	11 27	5 42	5 21
T 21	12 50	7 43	3 18	19 37	2 3	6 53	1 21	24 13	1 55	5 44	1 36	4 44	2 48	8 10	0 48	22 32	0 50	17 27	17 8	4 44	5 25	11 26	5 42	5 21
W22	13 10	11 16	4 6	19 14	1 50	7 22	1 20	24 6	1 54	5 45	1 35	4 42	2 48	8 10	0 48	22 32	0 50	17 27	17 8	4 47	5 26	11 24	5 43	5 20
T 23	13 30	14 19	4 41	18 48	1 35	7 51	1 19	23 59	1 53	5 46	1 35	4 41	2 48	8 11	0 48	22 32	0 50	17 27	17 8	4 50	5 27	11 23	5 44	5 20
F 24	13 50	16 41	5 2	18 16	1 18	8 20	1 17	23 52	1 52	5 47	1 35	4 39	2 48	8 11	0 47	22 32	0 50	17 27	17 7	4 54	5 29	11 21	5 44	5 20
S 25	14 10	18 9	5 6	17 41	1 0	8 49	1 16	23 44	1 51	5 48	1 35	4 38	2 48	8 11	0 47	22 32	0 50	17 27	17 7	4 57	5 30	11 20	5 45	5 19
S 26	14 30	18 35	4 53	17 2	0 41	9 17	1 15	23 36	1 50	5 49	1 34	4 36	2 48	8 12	0 47	22 32	0 50	17 27	17 7	4 59	5 31	11 18	5 45	5 19
M27	14 49	17 55	4 23	16 20	0 20	9 46	1 13	23 28	1 49	5 50	1 34	4 35	2 47	8 12	0 47	22 32	0 50	17 27	17 7	5 1	5 32	11 17	5 46	5 19
T 28	15 8	16 10	3 37	15 36	0n 0	10 14	1 12	23 19	1 48	5 50	1 34	4 33	2 47	8 12	0 47	22 32	0 50	17 27	17 6	5 2	5 34	11 15	5 46	5 18
W29	15 27	13 26	2 37	14 51	0 21	10 42	1 10	23 10	1 47	5 51	1 34	4 32	2 47	8 13	0 47	22 32	0 50	17 27	17 6	5 2	5 35	11 14	5 47	5 18
T 30	15 46	9 53	1 28	14 7	0 41	11 10	1 9	23 2	1 46	5 51	1 33	4 30	2 47	8 13	0 47	22 32	0 50	17 27	17 6	5 2	5 36	11 12	5 47	5 18
F 31	16s 4	5s46	0n13	13s25	1n 0	11s37	1n 7	22s52	1s45	5s52	1s33	4n29	2s47	8s13	0s47	22n32	0s50	17s27	17s 6	5n 1	5n37	11n11	5s48	5n17

Julian Day Number = 2117627.5, Delta T = 18m30s
Ecliptic obliquity = 23°33'19, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°59'43, Lahiri = 11°06'44 Julian Calendar 1 Oct. 1085 == Greg. Calendar 7 Oct. 1085

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1085
geocentric

NOVEMBER 1085 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 4 36	14♏50'44	29♓11	7°R13	4♏32	26♉ 8	18°R49	17°R49	10°R57	7°R 3	25°R24	17°R20	15♍46	26♌26	2°R12	S 1
S 2	3 8 33	15°51'24	13♈23	6♏13	5°48	26°53	18♓48	17♈45	10♓56	7♋ 2	25♓23	17♍17	15°43	26°33	2♓12	S 2
M 3	3 12 29	16°52'04	27°31	5°22	7° 3	27°37	18°46	17°41	10°56	7° 1	25°23	17°12	15°39	26°40	2°12	M 3
T 4	3 16 26	17°52'46	11♉29	4°43	8°18	28°22	18°46	17°37	10°55	7° 0	25°22	17° 4	15°36	26°46	2°12	T 4
W 5	3 20 22	18°53'29	25°14	4°15	9°34	29° 6	18°45	17°33	10°55	6°59	25°21	16°54	15°33	26°53	2°11	W 5
T 6	3 24 19	19°54'14	8♊41	3°59	10°49	29°50	18°44	17°30	10°54	6°58	25°21	16°42	15°30	27° 0	2°11	T 6
F 7	3 28 15	20°55'00	21°49	3°D54	12° 5	0♒35	18°44	17°26	10°54	6°57	25°20	16°31	15°27	27° 6	2°D11	F 7
S 8	3 32 12	21°55'48	4♋37	4° 0	13°20	1°20	18°D44	17°23	10°54	6°56	25°20	16°21	15°23	27°13	2°11	S 8
S 9	3 36 8	22°56'37	17° 5	4°16	14°36	2° 4	18°44	17°19	10°53	6°55	25°19	16°13	15°20	27°20	2°12	S 9
M10	3 40 5	23°57'27	29°16	4°42	15°51	2°49	18°45	17°16	10°53	6°54	25°18	16° 8	15°17	27°26	2°12	M10
T 11	3 44 2	24°58'19	11♌14	5°15	17° 7	3°33	18°45	17°12	10°53	6°52	25°18	16° 5	15°14	27°33	2°12	T 11
W12	3 47 58	25°59'12	23° 5	5°56	18°22	4°18	18°46	17° 9	10°53	6°51	25°17	16°D 3	15°11	27°40	2°12	W12
T 13	3 51 55	27° 0'07	4♍53	6°44	19°38	5° 3	18°47	17° 6	10°53	6°50	25°17	16° 4	15° 8	27°46	2°13	T 13
F 14	3 55 51	28° 1'03	16°43	7°37	20°53	5°47	18°48	17° 3	10°D53	6°49	25°17	16°R 4	15° 4	27°53	2°13	F 14
S 15	3 59 48	29° 2'00	28°42	8°35	22° 9	6°32	18°50	17° 0	10°53	6°48	25°16	16° 3	15° 1	28° 0	2°13	S 15
S 16	4 3 44	0♐ 2'59	10♎55	9°38	23°25	7°17	18°51	16°57	10°53	6°46	25°16	16° 0	14°58	28° 6	2°14	S 16
M17	4 7 41	1° 3'59	23°24	10°45	24°40	8° 2	18°53	16°54	10°53	6°45	25°15	15°55	14°55	28°13	2°15	M17
T 18	4 11 37	2° 5'00	6♏14	11°55	25°56	8°47	18°55	16°52	10°53	6°44	25°15	15°47	14°52	28°20	2°15	T 18
W19	4 15 34	3° 6'02	19°25	13° 8	27°11	9°31	18°57	16°49	10°53	6°42	25°15	15°36	14°48	28°26	2°16	W19
T 20	4 19 31	4° 7'05	2♐56	14°23	28°27	10°16	19° 0	16°47	10°54	6°41	25°14	15°24	14°45	28°33	2°17	T 20
F 21	4 23 27	5° 8'08	16°45	15°41	29°42	11° 1	19° 2	16°44	10°54	6°40	25°14	15°11	14°42	28°40	2°18	F 21
S 22	4 27 24	6° 9'13	0♑47	17° 0	0♐58	11°46	19° 5	16°42	10°54	6°38	25°14	14°59	14°39	28°46	2°18	S 22
S 23	4 31 20	7°10'19	14°58	18°21	2°13	12°31	19° 8	16°40	10°55	6°37	25°13	14°49	14°36	28°53	2°19	S 23
M24	4 35 17	8°11'24	29°12	19°43	3°29	13°16	19°11	16°38	10°55	6°35	25°13	14°41	14°33	28°59	2°20	M24
T 25	4 39 13	9°12'31	13♒26	21° 7	4°45	14° 1	19°15	16°36	10°56	6°34	25°13	14°37	14°29	29° 6	2°21	T 25
W26	4 43 10	10°13'38	27°36	22°32	6° 0	14°46	19°18	16°34	10°56	6°32	25°13	14°35	14°26	29°13	2°23	W26
T 27	4 47 6	11°14'44	11♓42	23°57	7°16	15°31	19°22	16°32	10°57	6°31	25°13	14°35	14°23	29°19	2°24	T 27
F 28	4 51 3	12°15'52	25°42	25°24	8°31	16°16	19°26	16°30	10°58	6°29	25°13	14°35	14°20	29°26	2°25	F 28
S 29	4 55 0	13°16'59	9♈36	26°51	9°47	17° 0	19°30	16°29	10°58	6°28	25°12	14°33	14°17	29°33	2°26	S 29
S 30	4 58 56	14♐18'07	23♈24	28♏19	11♐ 2	17♒45	19♓35	16♈27	10♓59	6♋26	25♓12	14♍30	14♍14	29♌39	2♓28	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s22	1s17	1s 3	12s46	1n18	12s 4	1n 5	22s43	1s44	5s52	1s33	4n27	2s47	8s13	0s47	22n32	0s50	17s28	17s 5	5n 2	5n38	11n 9	5s48	5n17
S 2	16 40	3n14	2 15	12 10	1 34	12 31	1 4	22 34	1 43	5 52	1 33	4 26	2 46	8 14	0 47	22 32	0 50	17 28	17 5	5 3	5 40	11 8	5 49	5 17
M 3	16 57	7 34	3 18	11 40	1 48	12 58	1 2	22 24	1 41	5 53	1 32	4 25	2 46	8 14	0 47	22 32	0 50	17 28	17 5	5 5	5 41	11 7	5 49	5 16
T 4	17 15	11 25	4 8	11 16	2 1	13 24	1 0	22 14	1 40	5 53	1 32	4 23	2 46	8 14	0 47	22 32	0 50	17 28	17 5	5 8	5 42	11 5	5 50	5 16
W 5	17 31	14 36	4 42	10 57	2 11	13 50	0 58	22 4	1 39	5 53	1 32	4 22	2 46	8 14	0 47	22 32	0 50	17 28	17 4	5 12	5 43	11 4	5 50	5 16
T 6	17 48	16 55	5 1	10 44	2 19	14 15	0 56	21 53	1 38	5 53	1 31	4 21	2 46	8 14	0 47	22 32	0 50	17 27	17 4	5 16	5 45	11 2	5 50	5 15
F 7	18 4	18 16	5 2	10 37	2 25	14 40	0 54	21 42	1 37	5 52	1 31	4 20	2 46	8 14	0 47	22 32	0 50	17 27	17 4	5 21	5 46	11 1	5 51	5 15
S 8	18 20	18 40	4 48	10 34	2 29	15 5	0 52	21 32	1 36	5 52	1 31	4 19	2 45	8 14	0 47	22 32	0 50	17 27	17 3	5 25	5 47	10 59	5 51	5 15
S 9	18 36	18 8	4 21	10 37	2 32	15 30	0 50	21 21	1 35	5 52	1 31	4 17	2 45	8 14	0 47	22 32	0 50	17 27	17 3	5 28	5 48	10 58	5 51	5 14
M10	18 51	16 47	3 42	10 44	2 33	15 54	0 48	21 9	1 34	5 51	1 30	4 16	2 45	8 15	0 47	22 32	0 50	17 27	17 3	5 30	5 50	10 56	5 52	5 14
T 11	19 6	14 42	2 54	10 56	2 33	16 17	0 46	20 58	1 33	5 51	1 30	4 15	2 45	8 15	0 47	22 32	0 50	17 27	17 2	5 31	5 51	10 55	5 52	5 13
W12	19 21	12 1	1 59	11 10	2 32	16 40	0 44	20 46	1 32	5 50	1 30	4 14	2 45	8 15	0 47	22 32	0 50	17 27	17 2	5 32	5 52	10 53	5 52	5 13
T 13	19 35	8 51	0 59	11 28	2 30	17 3	0 42	20 34	1 31	5 50	1 29	4 13	2 44	8 15	0 47	22 32	0 50	17 27	17 2	5 31	5 53	10 52	5 52	5 13
F 14	19 49	5 19	0n 4	11 48	2 27	17 25	0 40	20 22	1 30	5 49	1 29	4 12	2 44	8 15	0 47	22 33	0 50	17 27	17 1	5 31	5 55	10 50	5 52	5 12
S 15	20 2	1 32	1 7	12 11	2 23	17 47	0 38	20 10	1 29	5 48	1 29	4 11	2 44	8 14	0 47	22 33	0 50	17 27	17 1	5 32	5 56	10 49	5 53	5 12
S 16	20 16	2s23	2 8	12 35	2 18	18 9	0 36	19 57	1 28	5 47	1 29	4 10	2 44	8 14	0 47	22 33	0 50	17 27	17 1	5 33	5 57	10 47	5 53	5 12
M17	20 28	6 17	3 4	13 1	2 13	18 29	0 33	19 45	1 27	5 46	1 28	4 10	2 43	8 14	0 47	22 33	0 50	17 26	17 0	5 35	5 58	10 46	5 53	5 11
T 18	20 41	10 0	3 53	13 27	2 8	18 50	0 31	19 32	1 26	5 45	1 28	4 9	2 43	8 14	0 47	22 33	0 50	17 26	17 0	5 38	5 59	10 44	5 53	5 11
W19	20 53	13 20	4 30	13 55	2 2	19 10	0 29	19 19	1 25	5 44	1 28	4 8	2 43	8 14	0 46	22 33	0 50	17 26	17 0	5 42	6 1	10 43	5 53	5 11
T 20	21 4	16 3	4 54	14 24	1 56	19 29	0 26	19 6	1 24	5 43	1 27	4 7	2 43	8 14	0 46	22 33	0 50	17 26	16 59	5 47	6 2	10 41	5 53	5 10
F 21	21 16	17 54	5 1	14 52	1 49	19 48	0 24	18 52	1 23	5 42	1 27	4 7	2 42	8 14	0 46	22 33	0 50	17 26	16 59	5 52	6 3	10 40	5 53	5 10
S 22	21 26	18 44	4 50	15 22	1 42	20 6	0 22	18 39	1 22	5 40	1 27	4 6	2 42	8 14	0 46	22 33	0 50	17 26	16 59	5 57	6 4	10 38	5 53	5 10
S 23	21 37	18 24	4 21	15 51	1 35	20 23	0 19	18 25	1 21	5 39	1 27	4 5	2 42	8 13	0 46	22 33	0 50	17 25	16 58	6 1	6 6	10 37	5 53	5 9
M24	21 47	16 54	3 35	16 20	1 28	20 40	0 17	18 11	1 20	5 37	1 26	4 5	2 42	8 13	0 46	22 33	0 50	17 25	16 58	6 3	6 7	10 35	5 53	5 9
T 25	21 56	14 22	2 37	16 50	1 21	20 57	0 15	17 57	1 19	5 36	1 26	4 4	2 41	8 13	0 46	22 33	0 50	17 25	16 58	6 5	6 8	10 34	5 53	5 9
W26	22 5	10 59	1 29	17 19	1 13	21 13	0 12	17 43	1 18	5 34	1 26	4 4	2 41	8 13	0 46	22 33	0 50	17 25	16 57	6 6	6 9	10 32	5 53	5 8
T 27	22 14	6 58	0 15	17 47	1 6	21 28	0 10	17 29	1 17	5 32	1 25	4 3	2 41	8 12	0 46	22 33	0 50	17 24	16 57	6 6	6 11	10 31	5 53	5 8
F 28	22 22	2 37	0s58	18 16	0 58	21 42	0 8	17 14	1 15	5 30	1 25	4 3	2 41	8 12	0 46	22 33	0 50	17 24	16 57	6 6	6 12	10 29	5 53	5 8
S 29	22 30	1n51	2 8	18 43	0 51	21 56	0 5	17 0	1 14	5 28	1 25	4 3	2 40	8 12	0 46	22 33	0 50	17 24	16 56	6 7	6 13	10 27	5 53	5 7
S 30	22s38	6n12	3s10	19s11	0n43	22s10	0n 3	16s45	1s13	5s26	1s25	4n 2	2s40	8s11	0s46	22n34	0s50	17s24	16s56	6n 8	6n14	10n26	5s52	5n 7

Julian Day Number = 2117658.5, Delta T = 18m29s
Ecliptic obliquity = 23°33'19, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°59'47, Lahiri = 11°06'48 Julian Calendar 1 Nov. 1085 == Greg. Calendar 7 Nov. 1085

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1085
geocentric

DECEMBER 1085 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 2 53	15♐19'15	7♉ 4	29♏47	12♐18	18♒30	19♓39	16°R26	11♓ 0	6°R25	25°R12	14°R23	14♍10	29♌46	2♓29	M 1
T 2	5 6 49	16°20'23	20°36	1♐16	13°33	19°15	19°44	16♈25	11° 1	6♋23	25♓12	14♍13	14° 7	29°53	2°30	T 2
W 3	5 10 46	17°21'32	3♊57	2°45	14°49	20° 0	19°49	16°24	11° 2	6°22	25°D12	14° 1	14° 4	29°59	2°32	W 3
T 4	5 14 42	18°22'41	17° 5	4°15	16° 4	20°45	19°54	16°23	11° 3	6°20	25°12	13°47	14° 1	0♍ 6	2°34	T 4
F 5	5 18 39	19°23'50	29°58	5°45	17°20	21°30	19°59	16°22	11° 4	6°19	25°12	13°33	13°58	0°13	2°35	F 5
S 6	5 22 36	20°25'00	12♋36	7°15	18°35	22°15	20° 5	16°21	11° 5	6°17	25°12	13°20	13°54	0°19	2°37	S 6
S 7	5 26 32	21°26'10	24°58	8°46	19°51	23° 0	20°11	16°20	11° 6	6°15	25°12	13°10	13°51	0°26	2°39	S 7
M 8	5 30 29	22°27'20	7♌ 6	10°17	21° 6	23°45	20°16	16°20	11° 7	6°14	25°12	13° 2	13°48	0°33	2°40	M 8
T 9	5 34 25	23°28'31	19° 3	11°48	22°22	24°30	20°22	16°19	11° 9	6°12	25°13	12°57	13°45	0°39	2°42	T 9
W10	5 38 22	24°29'42	0♍53	13°20	23°37	25°15	20°29	16°19	11°10	6°10	25°13	12°55	13°42	0°46	2°44	W10
T 11	5 42 18	25°30'53	12°40	14°52	24°53	26° 0	20°35	16°19	11°11	6° 9	25°13	12°D54	13°39	0°53	2°46	T 11
F 12	5 46 15	26°32'05	24°29	16°25	26° 8	26°45	20°41	16°18	11°13	6° 7	25°13	12°R55	13°35	0°59	2°48	F 12
S 13	5 50 11	27°33'17	6♎27	17°58	27°24	27°30	20°48	16°D18	11°14	6° 5	25°13	12°54	13°32	1° 6	2°50	S 13
S 14	5 54 8	28°34'29	18°39	19°31	28°39	28°14	20°55	16°19	11°16	6° 4	25°14	12°52	13°29	1°12	2°52	S 14
M15	5 58 5	29°35'42	1♏ 9	21° 4	29°55	28°59	21° 2	16°19	11°17	6° 2	25°14	12°48	13°26	1°19	2°54	M15
T 16	6 2 1	0♑36'55	14° 3	22°38	1♑10	29°44	21° 9	16°19	11°19	6° 0	25°14	12°41	13°23	1°26	2°56	T 16
W17	6 5 58	1°38'07	27°22	24°12	2°26	0♓29	21°17	16°19	11°20	5°59	25°14	12°32	13°20	1°32	2°59	W17
T 18	6 9 54	2°39'20	11♐ 6	25°47	3°41	1°14	21°24	16°20	11°22	5°57	25°15	12°21	13°16	1°39	3° 1	T 18
F 19	6 13 51	3°40'33	25°14	27°22	4°57	1°59	21°32	16°21	11°24	5°55	25°15	12°10	13°13	1°46	3° 3	F 19
S 20	6 17 47	4°41'46	9♑41	28°57	6°12	2°44	21°40	16°21	11°26	5°54	25°15	11°58	13°10	1°52	3° 6	S 20
S 21	6 21 44	5°42'58	24°18	0♑33	7°28	3°28	21°47	16°22	11°27	5°52	25°16	11°49	13° 7	1°59	3° 8	S 21
M22	6 25 40	6°44'10	9♒ 0	2° 9	8°43	4°13	21°56	16°23	11°29	5°50	25°16	11°43	13° 4	2° 6	3°11	M22
T 23	6 29 37	7°45'21	23°39	3°46	9°59	4°58	22° 4	16°24	11°31	5°48	25°17	11°39	13° 0	2°12	3°13	T 23
W24	6 33 34	8°46'32	8♓ 9	5°23	11°14	5°43	22°12	16°26	11°33	5°47	25°17	11°D38	12°57	2°19	3°16	W24
T 25	6 37 30	9°47'41	22°26	7° 0	12°30	6°27	22°21	16°27	11°35	5°45	25°18	11°38	12°54	2°26	3°18	T 25
F 26	6 41 27	10°48'50	6♈30	8°39	13°45	7°12	22°30	16°28	11°37	5°43	25°18	11°R38	12°51	2°32	3°21	F 26
S 27	6 45 23	11°49'59	20°19	10°17	15° 0	7°57	22°38	16°30	11°39	5°42	25°19	11°38	12°48	2°39	3°24	S 27
S 28	6 49 20	12°51'06	3♉54	11°56	16°16	8°42	22°47	16°32	11°41	5°40	25°19	11°36	12°45	2°46	3°26	S 28
M29	6 53 16	13°52'13	17°16	13°36	17°31	9°26	22°56	16°33	11°43	5°38	25°20	11°31	12°41	2°52	3°29	M29
T 30	6 57 13	14°53'18	0♊25	15°16	18°47	10°11	23° 6	16°35	11°46	5°37	25°20	11°24	12°38	2°59	3°32	T 30
W31	7 1 9	15♑54'23	13♊23	16♑57	20♑ 2	10♓55	23♓15	16♈37	11♓48	5♋35	25♓21	11♍15	12♍35	3♍ 6	3♓35	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s45	10n10	4s 0	19s37	0n36	22s22	0n 0	16s30	1s12	5s24	1s24	4n 2	2s40	8s11	0s46	22n34	0s50	17s23	16s55	6n11	6n15	10n24	5s52	5n 6
T 2	22 51	13 34	4 35	20 3	0 28	22 34	0s 2	16 15	1 11	5 22	1 24	4 2	2 39	8 11	0 46	22 34	0 50	17 23	16 55	6 14	6 17	10 23	5 52	5 6
W 3	22 57	16 12	4 56	20 28	0 21	22 45	0 4	16 0	1 10	5 20	1 24	4 2	2 39	8 10	0 46	22 34	0 50	17 23	16 55	6 19	6 18	10 21	5 52	5 6
T 4	23 3	17 57	5 0	20 52	0 14	22 56	0 7	15 44	1 9	5 18	1 23	4 2	2 39	8 10	0 46	22 34	0 50	17 22	16 54	6 25	6 19	10 20	5 52	5 6
F 5	23 8	18 45	4 48	21 16	0 6	23 6	0 9	15 29	1 8	5 15	1 23	4 1	2 39	8 9	0 46	22 34	0 50	17 22	16 54	6 30	6 20	10 18	5 51	5 5
S 6	23 12	18 36	4 23	21 38	0s 1	23 15	0 12	15 13	1 7	5 13	1 23	4 1	2 38	8 9	0 46	22 34	0 50	17 22	16 54	6 35	6 22	10 17	5 51	5 5
S 7	23 17	17 33	3 45	22 0	0 8	23 24	0 14	14 57	1 6	5 10	1 23	4 1	2 38	8 8	0 46	22 34	0 50	17 21	16 53	6 39	6 23	10 15	5 51	5 5
M 8	23 20	15 43	2 58	22 20	0 15	23 32	0 16	14 42	1 5	5 8	1 22	4 1	2 38	8 8	0 46	22 34	0 50	17 21	16 53	6 42	6 24	10 14	5 50	5 4
T 9	23 24	13 14	2 3	22 40	0 22	23 39	0 19	14 26	1 4	5 5	1 22	4 2	2 37	8 7	0 46	22 34	0 50	17 20	16 53	6 44	6 25	10 12	5 50	5 4
W10	23 26	10 14	1 3	22 59	0 28	23 45	0 21	14 9	1 3	5 3	1 22	4 2	2 37	8 7	0 46	22 34	0 50	17 20	16 52	6 45	6 26	10 11	5 50	5 4
T 11	23 29	6 49	0 1	23 16	0 35	23 51	0 23	13 53	1 2	5 0	1 22	4 2	2 37	8 6	0 46	22 34	0 50	17 20	16 52	6 45	6 28	10 9	5 49	5 3
F 12	23 31	3 8	1n 1	23 32	0 41	23 55	0 25	13 37	1 1	4 57	1 21	4 2	2 37	8 6	0 46	22 35	0 50	17 19	16 51	6 45	6 29	10 7	5 49	5 3
S 13	23 32	0s43	2 2	23 48	0 47	24 0	0 28	13 20	1 0	4 54	1 21	4 2	2 36	8 5	0 46	22 35	0 50	17 19	16 51	6 45	6 30	10 6	5 48	5 3
S 14	23 33	4 36	2 58	24 2	0 54	24 3	0 30	13 4	0 59	4 51	1 21	4 3	2 36	8 5	0 45	22 35	0 50	17 18	16 51	6 46	6 31	10 4	5 48	5 2
M15	23 33	8 23	3 47	24 14	0 59	24 6	0 32	12 47	0 58	4 48	1 21	4 3	2 36	8 4	0 45	22 35	0 50	17 18	16 50	6 47	6 33	10 3	5 47	5 2
T 16	23 33	11 54	4 26	24 26	1 5	24 7	0 34	12 30	0 57	4 45	1 20	4 3	2 35	8 3	0 45	22 35	0 50	17 18	16 50	6 50	6 34	10 1	5 47	5 2
W17	23 33	14 55	4 52	24 36	1 11	24 9	0 37	12 14	0 56	4 42	1 20	4 4	2 35	8 3	0 45	22 35	0 50	17 17	16 50	6 53	6 35	10 0	5 46	5 1
T 18	23 32	17 13	5 2	24 45	1 16	24 9	0 39	11 57	0 55	4 39	1 20	4 4	2 35	8 2	0 45	22 35	0 50	17 17	16 49	6 57	6 36	9 58	5 46	5 1
F 19	23 30	18 34	4 55	24 53	1 21	24 9	0 41	11 40	0 54	4 35	1 19	4 5	2 35	8 1	0 45	22 35	0 50	17 16	16 49	7 2	6 38	9 57	5 45	5 1
S 20	23 28	18 44	4 28	24 59	1 26	24 7	0 43	11 22	0 53	4 32	1 19	4 5	2 34	8 1	0 45	22 35	0 50	17 16	16 49	7 6	6 39	9 55	5 45	5 1
S 21	23 26	17 41	3 44	25 4	1 31	24 6	0 45	11 5	0 52	4 29	1 19	4 6	2 34	8 0	0 45	22 35	0 50	17 15	16 48	7 10	6 40	9 53	5 44	5 0
M22	23 23	15 27	2 45	25 7	1 35	24 3	0 47	10 48	0 51	4 25	1 19	4 7	2 34	7 59	0 45	22 35	0 50	17 15	16 48	7 12	6 41	9 52	5 44	5 0
T 23	23 20	12 13	1 34	25 9	1 39	24 0	0 49	10 31	0 50	4 22	1 19	4 7	2 33	7 58	0 45	22 35	0 50	17 14	16 48	7 14	6 42	9 50	5 43	5 0
W24	23 16	8 16	0 19	25 10	1 43	23 55	0 51	10 13	0 49	4 18	1 18	4 8	2 33	7 58	0 45	22 36	0 50	17 14	16 47	7 14	6 44	9 49	5 42	4 59
T 25	23 11	3 54	0s58	25 9	1 47	23 51	0 53	9 56	0 48	4 15	1 18	4 9	2 33	7 57	0 45	22 36	0 50	17 13	16 47	7 14	6 45	9 47	5 42	4 59
F 26	23 7	0n37	2 9	25 6	1 50	23 45	0 55	9 38	0 47	4 11	1 18	4 10	2 32	7 56	0 45	22 36	0 50	17 13	16 46	7 14	6 46	9 46	5 41	4 59
S 27	23 2	5 1	3 12	25 2	1 53	23 39	0 57	9 20	0 46	4 7	1 18	4 11	2 32	7 55	0 45	22 36	0 50	17 12	16 46	7 14	6 47	9 44	5 40	4 59
S 28	22 56	9 5	4 2	24 56	1 56	23 32	0 58	9 3	0 45	4 4	1 17	4 11	2 32	7 54	0 45	22 36	0 50	17 12	16 46	7 15	6 49	9 42	5 39	4 58
M29	22 50	12 37	4 39	24 49	1 58	23 24	1 0	8 45	0 44	4 0	1 17	4 12	2 32	7 53	0 45	22 36	0 50	17 11	16 45	7 17	6 50	9 41	5 39	4 58
T 30	22 43	15 27	5 0	24 40	2 0	23 15	1 2	8 27	0 43	3 56	1 17	4 13	2 31	7 53	0 45	22 36	0 50	17 11	16 45	7 19	6 51	9 39	5 38	4 58
W31	22s36	17n28	5s 5	24s29	2s 2	23s 6	1s 4	8s 9	0s42	3s52	1s17	4n14	2s31	7s52	0s45	22n36	0s50	17s10	16s45	7n23	6n52	9n38	5s37	4n58

Julian Day Number = 2117688.5, Delta T = 18m29s
Ecliptic obliquity = 23°33'19, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°59'52, Lahiri = 11°06'52 Julian Calendar 1 Dec. 1085 == Greg. Calendar 7 Dec. 1085

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1086
geocentric

JANUARY 1086 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 5 6	16♑55'27	26♊ 9	18♑38	21♑17	11♓40	23♓25	16♈39	11♓50	5°R33	25♓22	11°R 5	12♍32	3♍12	3♓38	T 1
F 2	7 9 3	17°56'30	8♋42	20°20	22°33	12°25	23°34	16°42	11°52	5♋32	25°22	10♍54	12°29	3°19	3°41	F 2
S 3	7 12 59	18°57'33	21° 5	22° 2	23°48	13° 9	23°44	16°44	11°55	5°30	25°23	10°45	12°26	3°25	3°44	S 3
S 4	7 16 56	19°58'34	3♌16	23°45	25° 3	13°54	23°54	16°46	11°57	5°28	25°24	10°37	12°22	3°32	3°46	S 4
M 5	7 20 52	20°59'35	15°17	25°28	26°19	14°38	24° 4	16°49	12° 0	5°27	25°25	10°31	12°19	3°39	3°50	M 5
T 6	7 24 49	22° 0'35	27°10	27°12	27°34	15°23	24°14	16°51	12° 2	5°25	25°25	10°28	12°16	3°45	3°53	T 6
W 7	7 28 45	23° 1'34	8♍58	28°57	28°49	16° 7	24°24	16°54	12° 5	5°23	25°26	10°D27	12°13	3°52	3°56	W 7
T 8	7 32 42	24° 2'33	20°45	0♒41	0♒ 5	16°51	24°35	16°57	12° 7	5°22	25°27	10°27	12°10	3°59	3°59	T 8
F 9	7 36 38	25° 3'30	2♎34	2°27	1°20	17°36	24°45	17° 0	12°10	5°20	25°28	10°29	12° 6	4° 5	4° 2	F 9
S 10	7 40 35	26° 4'27	14°30	4°12	2°35	18°20	24°56	17° 3	12°12	5°19	25°28	10°30	12° 3	4°12	4° 5	S 10
S 11	7 44 32	27° 5'23	26°40	5°58	3°50	19° 4	25° 6	17° 6	12°15	5°17	25°29	10°R31	12° 0	4°19	4° 8	S 11
M12	7 48 28	28° 6'19	9♏ 7	7°43	5° 6	19°49	25°17	17° 9	12°17	5°16	25°30	10°30	11°57	4°25	4°12	M12
T 13	7 52 25	29° 7'13	21°57	9°29	6°21	20°33	25°28	17°13	12°20	5°14	25°31	10°28	11°54	4°32	4°15	T 13
W14	7 56 21	0♒ 8'07	5♐13	11°15	7°36	21°17	25°39	17°16	12°23	5°13	25°32	10°23	11°51	4°39	4°18	W14
T 15	8 0 18	1° 9'00	18°57	13° 0	8°51	22° 1	25°50	17°20	12°26	5°11	25°33	10°18	11°47	4°45	4°22	T 15
F 16	8 4 14	2° 9'52	3♑ 9	14°44	10° 7	22°46	26° 1	17°23	12°28	5°10	25°34	10°12	11°44	4°52	4°25	F 16
S 17	8 8 11	3°10'42	17°45	16°28	11°22	23°30	26°13	17°27	12°31	5° 8	25°35	10° 5	11°41	4°58	4°28	S 17
S 18	8 12 7	4°11'32	2♒38	18°10	12°37	24°14	26°24	17°31	12°34	5° 7	25°36	10° 0	11°38	5° 5	4°32	S 18
M19	8 16 4	5°12'20	17°41	19°51	13°52	24°58	26°36	17°35	12°37	5° 5	25°37	9°57	11°35	5°12	4°35	M19
T 20	8 20 1	6°13'07	2♓44	21°30	15° 7	25°42	26°47	17°39	12°40	5° 4	25°38	9°D55	11°32	5°18	4°39	T 20
W21	8 23 57	7°13'52	17°38	23° 6	16°22	26°26	26°59	17°43	12°43	5° 2	25°39	9°55	11°28	5°25	4°42	W21
T 22	8 27 54	8°14'36	2♈17	24°40	17°37	27°10	27°11	17°47	12°46	5° 1	25°40	9°56	11°25	5°32	4°46	T 22
F 23	8 31 50	9°15'18	16°36	26°10	18°53	27°54	27°23	17°51	12°49	5° 0	25°41	9°58	11°22	5°38	4°49	F 23
S 24	8 35 47	10°15'58	0♉34	27°36	20° 8	28°38	27°35	17°55	12°52	4°58	25°42	9°59	11°19	5°45	4°53	S 24
S 25	8 39 43	11°16'36	14°10	28°57	21°23	29°22	27°47	18° 0	12°55	4°57	25°43	10°R 0	11°16	5°52	4°57	S 25
M26	8 43 40	12°17'13	27°27	0♓13	22°38	0♈ 6	27°59	18° 4	12°58	4°56	25°44	9°59	11°12	5°58	5° 0	M26
T 27	8 47 36	13°17'48	10♊25	1°22	23°53	0°49	28°11	18° 9	13° 1	4°54	25°45	9°56	11° 9	6° 5	5° 4	T 27
W28	8 51 33	14°18'21	23° 7	2°25	25° 8	1°33	28°23	18°14	13° 4	4°53	25°46	9°53	11° 6	6°12	5° 7	W28
T 29	8 55 30	15°18'52	5♋35	3°20	26°23	2°17	28°36	18°19	13° 7	4°52	25°48	9°49	11° 3	6°18	5°11	T 29
F 30	8 59 26	16°19'22	17°52	4° 7	27°38	3° 1	28°48	18°23	13°10	4°51	25°49	9°45	11° 0	6°25	5°15	F 30
S 31	9 3 23	17♒19'49	29♋59	4♓45	28♒53	3♈44	29♓ 1	18♈28	13♓13	4♋50	25♓50	9♍41	10♍57	6♍32	5♓19	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s29	18n35	4s55	24s17	2s 3	22s56	1s 5	7s51	0s41	3s48	1s16	4n16	2s31	7s51	0s45	22n36	0s50	17s 9	16s44	7n27	6n53	9n36	5s36	4n57
F 2	22 21	18 46	4 31	24 3	2 4	22 45	1 7	7 33	0 40	3 44	1 16	4 17	2 30	7 50	0 45	22 36	0 50	17 9	16 44	7 31	6 55	9 34	5 36	4 57
S 3	22 12	18 3	3 54	23 47	2 4	22 34	1 8	7 15	0 39	3 40	1 16	4 18	2 30	7 49	0 45	22 36	0 50	17 8	16 44	7 34	6 56	9 33	5 35	4 57
S 4	22 4	16 30	3 7	23 30	2 4	22 22	1 10	6 57	0 38	3 36	1 16	4 19	2 30	7 48	0 45	22 36	0 50	17 8	16 43	7 37	6 57	9 31	5 34	4 57
M 5	21 54	14 14	2 12	23 11	2 4	22 9	1 11	6 39	0 37	3 31	1 16	4 20	2 30	7 47	0 45	22 37	0 50	17 7	16 43	7 40	6 58	9 30	5 33	4 56
T 6	21 45	11 24	1 11	22 50	2 3	21 56	1 13	6 21	0 36	3 27	1 15	4 21	2 29	7 46	0 45	22 37	0 50	17 6	16 43	7 41	6 59	9 28	5 32	4 56
W 7	21 35	8 7	0 8	22 27	2 1	21 42	1 14	6 3	0 35	3 23	1 15	4 23	2 29	7 45	0 45	22 37	0 50	17 6	16 42	7 41	7 1	9 26	5 31	4 56
T 8	21 24	4 32	0n56	22 3	2 0	21 27	1 15	5 45	0 34	3 19	1 15	4 24	2 29	7 44	0 45	22 37	0 50	17 5	16 42	7 41	7 2	9 25	5 30	4 56
F 9	21 13	0 46	1 57	21 37	1 57	21 12	1 16	5 26	0 33	3 14	1 15	4 26	2 28	7 43	0 45	22 37	0 50	17 5	16 42	7 40	7 3	9 23	5 29	4 55
S 10	21 2	3s 4	2 54	21 9	1 54	20 56	1 18	5 8	0 33	3 10	1 15	4 27	2 28	7 42	0 45	22 37	0 50	17 4	16 42	7 40	7 4	9 22	5 28	4 55
S 11	20 51	6 50	3 45	20 39	1 50	20 40	1 19	4 50	0 32	3 5	1 14	4 28	2 28	7 41	0 45	22 37	0 50	17 3	16 41	7 40	7 6	9 20	5 27	4 55
M12	20 38	10 24	4 26	20 8	1 46	20 22	1 20	4 31	0 31	3 1	1 14	4 30	2 28	7 40	0 45	22 37	0 50	17 3	16 41	7 40	7 7	9 18	5 26	4 55
T 13	20 26	13 35	4 55	19 35	1 41	20 5	1 21	4 13	0 30	2 56	1 14	4 31	2 27	7 39	0 45	22 37	0 50	17 2	16 41	7 41	7 8	9 17	5 25	4 55
W14	20 13	16 12	5 10	19 1	1 36	19 46	1 22	3 55	0 29	2 52	1 14	4 33	2 27	7 38	0 44	22 37	0 50	17 2	16 40	7 42	7 9	9 15	5 24	4 54
T 15	20 0	17 59	5 7	18 25	1 29	19 28	1 23	3 36	0 28	2 47	1 14	4 35	2 27	7 37	0 44	22 37	0 50	17 1	16 40	7 45	7 10	9 14	5 23	4 54
F 16	19 46	18 45	4 47	17 48	1 23	19 8	1 23	3 18	0 27	2 43	1 13	4 36	2 27	7 36	0 44	22 37	0 50	17 0	16 40	7 47	7 12	9 12	5 22	4 54
S 17	19 32	18 18	4 7	17 10	1 15	18 48	1 24	3 0	0 26	2 38	1 13	4 38	2 26	7 35	0 44	22 38	0 50	17 0	16 39	7 49	7 13	9 10	5 21	4 54
S 18	19 18	16 35	3 10	16 31	1 6	18 28	1 25	2 41	0 25	2 33	1 13	4 40	2 26	7 34	0 44	22 38	0 50	16 59	16 39	7 51	7 14	9 9	5 20	4 54
M19	19 4	13 43	1 59	15 50	0 57	18 6	1 25	2 23	0 24	2 28	1 13	4 41	2 26	7 32	0 44	22 38	0 50	16 58	16 39	7 53	7 15	9 7	5 19	4 53
T 20	18 49	9 56	0 39	15 9	0 47	17 45	1 26	2 5	0 23	2 24	1 13	4 43	2 25	7 31	0 44	22 38	0 50	16 58	16 39	7 53	7 17	9 5	5 18	4 53
W21	18 33	5 33	0s42	14 27	0 36	17 23	1 27	1 46	0 23	2 19	1 13	4 45	2 25	7 30	0 44	22 38	0 50	16 57	16 38	7 53	7 18	9 4	5 17	4 53
T 22	18 18	0 55	2 0	13 45	0 25	17 0	1 27	1 28	0 22	2 14	1 12	4 47	2 25	7 29	0 44	22 38	0 50	16 56	16 38	7 53	7 19	9 2	5 16	4 53
F 23	18 2	3n40	3 8	13 3	0 13	16 37	1 27	1 9	0 21	2 9	1 12	4 49	2 25	7 28	0 44	22 38	0 50	16 56	16 38	7 52	7 20	9 1	5 15	4 53
S 24	17 45	7 56	4 3	12 21	0n 1	16 14	1 28	0 51	0 20	2 4	1 12	4 50	2 24	7 27	0 44	22 38	0 50	16 55	16 38	7 52	7 21	8 59	5 14	4 53
S 25	17 29	11 40	4 43	11 40	0 14	15 50	1 28	0 33	0 19	1 59	1 12	4 52	2 24	7 25	0 44	22 38	0 50	16 54	16 37	7 52	7 23	8 57	5 12	4 52
M26	17 12	14 42	5 7	11 0	0 29	15 25	1 28	0 14	0 18	1 54	1 12	4 54	2 24	7 24	0 44	22 38	0 50	16 54	16 37	7 52	7 24	8 56	5 11	4 52
T 27	16 55	16 56	5 14	10 22	0 43	15 1	1 28	0n 4	0 17	1 49	1 12	4 56	2 24	7 23	0 44	22 38	0 49	16 53	16 37	7 53	7 25	8 54	5 10	4 52
W28	16 37	18 17	5 6	9 45	0 59	14 36	1 28	0 22	0 17	1 44	1 11	4 58	2 23	7 22	0 44	22 38	0 49	16 52	16 37	7 54	7 26	8 52	5 9	4 52
T 29	16 19	18 43	4 43	9 11	1 14	14 10	1 28	0 40	0 16	1 39	1 11	5 0	2 23	7 21	0 44	22 39	0 49	16 52	16 36	7 56	7 27	8 51	5 8	4 52
F 30	16 1	18 16	4 8	8 39	1 30	13 44	1 28	0 59	0 15	1 34	1 11	5 2	2 23	7 19	0 44	22 39	0 49	16 51	16 36	7 57	7 29	8 49	5 7	4 52
S 31	15s43	16n58	3s21	8s10	1n46	13s18	1s28	1n17	0s14	1s29	1s11	5n 5	2s23	7s18	0s44	22n39	0s49	16s50	16s36	7n59	7n30	8n47	5s 5	4n52

Julian Day Number = 2117719.5, Delta T = 18m29s
Ecliptic obliquity = 23°33'19, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 11°59'56, Lahiri = 11°06'56 Julian Calendar 1 Jan. 1086 == Greg. Calendar 7 Jan. 1086

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1086
geocentric

FEBRUARY 1086 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 7 19	18♒20'15	11♌59	5♓14	0♓ 7	4♈28	29♓13	18♈33	13♓17	4°R49	25♓51	9°R38	10♍53	6♍38	5♓22	S 1
M 2	9 11 16	19°20'40	23°52	5°33	1°22	5°11	29°26	18°38	13°20	4♋47	25°52	9♍36	10°50	6°45	5°26	M 2
T 3	9 15 12	20°21'02	5♍42	5°R42	2°37	5°55	29°39	18°44	13°23	4°46	25°54	9°D35	10°47	6°51	5°30	T 3
W 4	9 19 9	21°21'23	17°29	5°41	3°52	6°38	29°52	18°49	13°26	4°45	25°55	9°35	10°44	6°58	5°33	W 4
T 5	9 23 5	22°21'42	29°17	5°30	5° 7	7°22	0♈ 5	18°54	13°30	4°44	25°56	9°36	10°41	7° 5	5°37	T 5
F 6	9 27 2	23°22'00	11♎ 9	5°10	6°22	8° 5	0°18	19° 0	13°33	4°43	25°57	9°38	10°38	7°11	5°41	F 6
S 7	9 30 59	24°22'16	23° 8	4°41	7°36	8°49	0°31	19° 5	13°36	4°42	25°59	9°39	10°34	7°18	5°45	S 7
S 8	9 34 55	25°22'31	5♏18	4° 3	8°51	9°32	0°44	19°11	13°39	4°41	26° 0	9°40	10°31	7°25	5°49	S 8
M 9	9 38 52	26°22'44	17°43	3°18	10° 6	10°15	0°57	19°16	13°43	4°40	26° 1	9°41	10°28	7°31	5°52	M 9
T 10	9 42 48	27°22'55	0♐29	2°27	11°21	10°59	1°10	19°22	13°46	4°39	26° 3	9°R41	10°25	7°38	5°56	T 10
W11	9 46 45	28°23'05	13°37	1°31	12°35	11°42	1°23	19°28	13°49	4°39	26° 4	9°41	10°22	7°45	6° 0	W11
T 12	9 50 41	29°23'13	27°13	0°32	13°50	12°25	1°37	19°34	13°53	4°38	26° 5	9°40	10°18	7°51	6° 4	T 12
F 13	9 54 38	0♓23'20	11♑15	29♒30	15° 5	13° 8	1°50	19°39	13°56	4°37	26° 7	9°39	10°15	7°58	6° 8	F 13
S 14	9 58 34	1°23'26	25°44	28°29	16°19	13°51	2° 3	19°45	13°59	4°36	26° 8	9°38	10°12	8° 5	6°12	S 14
S 15	10 2 31	2°23'29	10♒35	27°28	17°34	14°34	2°17	19°51	14° 3	4°35	26° 9	9°37	10° 9	8°11	6°15	S 15
M16	10 6 28	3°23'30	25°42	26°29	18°48	15°17	2°30	19°57	14° 6	4°35	26°11	9°36	10° 6	8°18	6°19	M16
T 17	10 10 24	4°23'30	10♓55	25°34	20° 3	16° 0	2°44	20° 4	14°10	4°34	26°12	9°D36	10° 3	8°24	6°23	T 17
W18	10 14 21	5°23'28	26° 5	24°43	21°17	16°43	2°58	20°10	14°13	4°33	26°13	9°36	9°59	8°31	6°27	W18
T 19	10 18 17	6°23'23	11♈ 2	23°57	22°32	17°26	3°11	20°16	14°16	4°33	26°15	9°37	9°56	8°38	6°31	T 19
F 20	10 22 14	7°23'16	25°40	23°17	23°46	18° 9	3°25	20°22	14°20	4°32	26°16	9°37	9°53	8°44	6°35	F 20
S 21	10 26 10	8°23'08	9♉53	22°43	25° 1	18°52	3°39	20°29	14°23	4°31	26°18	9°37	9°50	8°51	6°38	S 21
S 22	10 30 7	9°22'57	23°40	22°16	26°15	19°35	3°53	20°35	14°27	4°31	26°19	9°R37	9°47	8°58	6°42	S 22
M23	10 34 3	10°22'43	7♊ 2	21°54	27°30	20°17	4° 6	20°42	14°30	4°30	26°20	9°D37	9°43	9° 4	6°46	M23
T 24	10 38 0	11°22'27	19°59	21°40	28°44	21° 0	4°20	20°48	14°33	4°30	26°22	9°37	9°40	9°11	6°50	T 24
W25	10 41 56	12°22'09	2♋36	21°31	29°58	21°43	4°34	20°55	14°37	4°29	26°23	9°37	9°37	9°18	6°54	W25
T 26	10 45 53	13°21'49	14°56	21°D29	1♈12	22°25	4°48	21° 1	14°40	4°29	26°25	9°38	9°34	9°24	6°58	T 26
F 27	10 49 50	14°21'27	27° 3	21°33	2°27	23° 8	5° 2	21° 8	14°44	4°29	26°26	9°38	9°31	9°31	7° 1	F 27
S 28	10 53 46	15♓21'02	9♌ 0	21♒42	3♈41	23♈51	5♈16	21♈15	14♓47	4♋28	26♓28	9♍39	9♍28	9♍38	7♓ 5	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s24	14n56	2s27	7s45	2n 2	12s51	1s28	1n35	0s13	1s24	1s11	5n 7	2s23	7s17	0s44	22n39	0s49	16s50	16s36	8n 0	7n31	8n46	5s 4	4n51
M 2	15 6	12 17	1 26	7 24	2 17	12 24	1 28	1 53	0 12	1 18	1 11	5 9	2 22	7 16	0 44	22 39	0 49	16 49	16 36	8 0	7 32	8 44	5 3	4 51
T 3	14 46	9 8	0 22	7 7	2 32	11 57	1 27	2 11	0 11	1 13	1 11	5 11	2 22	7 14	0 44	22 39	0 49	16 48	16 35	8 1	7 33	8 43	5 2	4 51
W 4	14 27	5 38	0n44	6 54	2 46	11 29	1 27	2 29	0 11	1 8	1 10	5 13	2 22	7 13	0 44	22 39	0 49	16 48	16 35	8 1	7 35	8 41	5 0	4 51
T 5	14 8	1 55	1 47	6 45	2 59	11 1	1 26	2 47	0 10	1 3	1 10	5 15	2 22	7 12	0 44	22 39	0 49	16 47	16 35	8 0	7 36	8 39	4 59	4 51
F 6	13 48	1s53	2 46	6 42	3 11	10 33	1 26	3 5	0 9	0 57	1 10	5 18	2 21	7 11	0 44	22 39	0 49	16 46	16 35	8 0	7 37	8 38	4 58	4 51
S 7	13 28	5 39	3 39	6 43	3 22	10 4	1 25	3 23	0 8	0 52	1 10	5 20	2 21	7 9	0 44	22 39	0 49	16 46	16 35	7 59	7 38	8 36	4 56	4 51
S 8	13 7	9 14	4 22	6 48	3 30	9 36	1 24	3 41	0 7	0 47	1 10	5 22	2 21	7 8	0 44	22 39	0 49	16 45	16 34	7 59	7 40	8 34	4 55	4 51
M 9	12 47	12 29	4 55	6 58	3 37	9 7	1 24	3 59	0 7	0 41	1 10	5 25	2 21	7 7	0 44	22 39	0 49	16 44	16 34	7 59	7 41	8 33	4 54	4 51
T 10	12 26	15 14	5 13	7 12	3 42	8 37	1 23	4 16	0 6	0 36	1 10	5 27	2 21	7 5	0 44	22 39	0 49	16 44	16 34	7 58	7 42	8 31	4 53	4 50
W11	12 6	17 18	5 17	7 29	3 45	8 8	1 22	4 34	0 5	0 30	1 10	5 29	2 20	7 4	0 44	22 39	0 49	16 43	16 34	7 59	7 43	8 29	4 51	4 50
T 12	11 45	18 29	5 3	7 49	3 46	7 38	1 21	4 52	0 4	0 25	1 9	5 32	2 20	7 3	0 44	22 39	0 49	16 42	16 34	7 59	7 44	8 28	4 50	4 50
F 13	11 23	18 35	4 31	8 12	3 44	7 8	1 20	5 9	0 3	0 20	1 9	5 34	2 20	7 2	0 44	22 40	0 49	16 42	16 34	7 59	7 46	8 26	4 49	4 50
S 14	11 2	17 29	3 41	8 36	3 41	6 38	1 19	5 27	0 3	0 14	1 9	5 36	2 20	7 0	0 44	22 40	0 49	16 41	16 33	8 0	7 47	8 24	4 47	4 50
S 15	10 40	15 11	2 35	9 2	3 35	6 8	1 18	5 44	0 2	0 9	1 9	5 39	2 20	6 59	0 44	22 40	0 49	16 40	16 33	8 0	7 48	8 23	4 46	4 50
M16	10 19	11 49	1 17	9 29	3 28	5 38	1 17	6 2	0 1	0 3	1 9	5 41	2 19	6 58	0 44	22 40	0 49	16 40	16 33	8 0	7 49	8 21	4 45	4 50
T 17	9 57	7 37	0s 7	9 56	3 19	5 7	1 16	6 19	0 0	0n 2	1 9	5 44	2 19	6 56	0 44	22 40	0 49	16 39	16 33	8 0	7 50	8 19	4 43	4 50
W18	9 35	2 57	1 30	10 23	3 8	4 36	1 14	6 36	0n 0	0 8	1 9	5 46	2 19	6 55	0 44	22 40	0 49	16 38	16 33	8 0	7 52	8 18	4 42	4 50
T 19	9 13	1n50	2 46	10 49	2 57	4 6	1 13	6 54	0 1	0 13	1 9	5 49	2 19	6 54	0 44	22 40	0 49	16 38	16 33	8 0	7 53	8 16	4 40	4 50
F 20	8 50	6 24	3 49	11 14	2 44	3 35	1 11	7 11	0 2	0 19	1 9	5 51	2 19	6 52	0 44	22 40	0 49	16 37	16 33	8 0	7 54	8 14	4 39	4 50
S 21	8 28	10 28	4 37	11 38	2 31	3 4	1 10	7 28	0 3	0 25	1 8	5 54	2 18	6 51	0 44	22 40	0 49	16 36	16 33	8 0	7 55	8 13	4 38	4 50
S 22	8 5	13 50	5 6	12 0	2 17	2 33	1 8	7 45	0 3	0 30	1 8	5 57	2 18	6 50	0 44	22 40	0 49	16 36	16 32	8 0	7 56	8 11	4 36	4 50
M23	7 43	16 22	5 18	12 20	2 3	2 1	1 7	8 2	0 4	0 36	1 8	5 59	2 18	6 48	0 44	22 40	0 49	16 35	16 32	8 0	7 58	8 9	4 35	4 50
T 24	7 20	17 58	5 13	12 39	1 49	1 30	1 5	8 19	0 5	0 41	1 8	6 2	2 18	6 47	0 44	22 40	0 49	16 34	16 32	8 0	7 59	8 7	4 34	4 50
W25	6 57	18 39	4 53	12 55	1 34	0 59	1 3	8 35	0 5	0 47	1 8	6 4	2 18	6 46	0 44	22 40	0 49	16 34	16 32	8 0	8 0	8 6	4 32	4 50
T 26	6 34	18 25	4 20	13 9	1 20	0 28	1 2	8 52	0 6	0 53	1 8	6 7	2 18	6 44	0 44	22 40	0 48	16 33	16 32	8 0	8 1	8 4	4 31	4 50
F 27	6 11	17 19	3 36	13 22	1 5	0n 4	1 0	9 8	0 7	0 58	1 8	6 10	2 17	6 43	0 44	22 40	0 48	16 32	16 32	8 0	8 2	8 2	4 29	4 50
S 28	5s48	15n29	2s42	13s32	0n51	0n35	0s58	9n25	0n 8	1n 4	1s 8	6n12	2s17	6s42	0s44	22n40	0s48	16s32	16s32	7n59	8n 4	8n 1	4s28	4n50

Julian Day Number = 2117750.5, Delta T = 18m28s
Ecliptic obliquity = 23°33'19, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°00'00, Lahiri = 11°07'01 Julian Calendar 1 Feb. 1086 == Greg. Calendar 7 Feb. 1086

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1086
geocentric

MARCH 1086 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 57 43	16♓20'35	20♌51	21♒57	4♈55	24♈33	5♈30	21♈22	14♓51	4°R28	26♓29	9♍39	9♍24	9♍44	7♓ 9	S 1
M 2	11 1 39	17°20'05	2♍40	22°17	6° 9	25°15	5°44	21°28	14°54	4♋28	26°30	9°40	9°21	9°51	7°13	M 2
T 3	11 5 36	18°19'34	14°27	22°42	7°23	25°58	5°58	21°35	14°58	4°28	26°32	9°R40	9°18	9°58	7°17	T 3
W 4	11 9 32	19°19'00	26°16	23°12	8°37	26°40	6°13	21°42	15° 1	4°27	26°33	9°39	9°15	10° 4	7°20	W 4
T 5	11 13 29	20°18'25	8♎ 9	23°46	9°51	27°23	6°27	21°49	15° 4	4°27	26°35	9°38	9°12	10°11	7°24	T 5
F 6	11 17 25	21°17'47	20° 8	24°24	11° 5	28° 5	6°41	21°56	15° 8	4°27	26°36	9°37	9° 9	10°17	7°28	F 6
S 7	11 21 22	22°17'07	2♏15	25° 6	12°19	28°47	6°55	22° 3	15°11	4°27	26°38	9°35	9° 5	10°24	7°32	S 7
S 8	11 25 19	23°16'26	14°32	25°51	13°33	29°29	7° 9	22°10	15°15	4°27	26°39	9°33	9° 2	10°31	7°35	S 8
M 9	11 29 15	24°15'43	27° 3	26°40	14°47	0♉11	7°24	22°17	15°18	4°27	26°41	9°31	8°59	10°37	7°39	M 9
T 10	11 33 12	25°14'58	9♐49	27°33	16° 1	0°53	7°38	22°25	15°21	4°D27	26°42	9°30	8°56	10°44	7°43	T 10
W11	11 37 8	26°14'11	22°55	28°28	17°15	1°36	7°52	22°32	15°25	4°27	26°44	9°D29	8°53	10°51	7°47	W11
T 12	11 41 5	27°13'22	6♑22	29°27	18°29	2°18	8° 6	22°39	15°28	4°27	26°45	9°30	8°49	10°57	7°50	T 12
F 13	11 45 1	28°12'32	20°12	0♓28	19°42	3° 0	8°21	22°46	15°32	4°27	26°47	9°30	8°46	11° 4	7°54	F 13
S 14	11 48 58	29°11'40	4♒26	1°32	20°56	3°42	8°35	22°54	15°35	4°27	26°48	9°32	8°43	11°11	7°58	S 14
S 15	11 52 54	0♈10'46	19° 2	2°38	22°10	4°23	8°50	23° 1	15°38	4°27	26°49	9°33	8°40	11°17	8° 1	S 15
M16	11 56 51	1° 9'50	3♓55	3°46	23°23	5° 5	9° 4	23° 8	15°42	4°27	26°51	9°R34	8°37	11°24	8° 5	M16
T 17	12 0 48	2° 8'52	19° 0	4°57	24°37	5°47	9°18	23°16	15°45	4°28	26°52	9°34	8°34	11°31	8° 8	T 17
W18	12 4 44	3° 7'52	4♈ 8	6°10	25°51	6°29	9°33	23°23	15°48	4°28	26°54	9°32	8°30	11°37	8°12	W18
T 19	12 8 41	4° 6'50	19°10	7°26	27° 4	7°11	9°47	23°30	15°52	4°28	26°55	9°30	8°27	11°44	8°16	T 19
F 20	12 12 37	5° 5'46	3♉56	8°43	28°18	7°52	10° 1	23°38	15°55	4°28	26°57	9°26	8°24	11°50	8°19	F 20
S 21	12 16 34	6° 4'39	18°21	10° 2	29°31	8°34	10°16	23°45	15°58	4°29	26°58	9°23	8°21	11°57	8°23	S 21
S 22	12 20 30	7° 3'31	2♊18	11°23	0♉44	9°16	10°30	23°53	16° 1	4°29	27° 0	9°19	8°18	12° 4	8°26	S 22
M23	12 24 27	8° 2'20	15°48	12°46	1°58	9°57	10°45	24° 0	16° 5	4°30	27° 1	9°16	8°14	12°10	8°30	M23
T 24	12 28 23	9° 1'07	28°51	14°11	3°11	10°39	10°59	24° 8	16° 8	4°30	27° 3	9°14	8°11	12°17	8°33	T 24
W25	12 32 20	9°59'52	11♋29	15°38	4°24	11°20	11°14	24°15	16°11	4°31	27° 4	9°D14	8° 8	12°24	8°36	W25
T 26	12 36 16	10°58'34	23°48	17° 6	5°38	12° 2	11°28	24°23	16°14	4°31	27° 5	9°15	8° 5	12°30	8°40	T 26
F 27	12 40 13	11°57'14	5♌52	18°36	6°51	12°43	11°42	24°31	16°18	4°32	27° 7	9°16	8° 2	12°37	8°43	F 27
S 28	12 44 10	12°55'52	17°46	20° 8	8° 4	13°25	11°57	24°38	16°21	4°32	27° 8	9°18	7°59	12°44	8°46	S 28
S 29	12 48 6	13°54'27	29°34	21°41	9°17	14° 6	12°11	24°46	16°24	4°33	27°10	9°19	7°55	12°50	8°50	S 29
M30	12 52 3	14°53'01	11♍20	23°17	10°30	14°47	12°26	24°54	16°27	4°34	27°11	9°R20	7°52	12°57	8°53	M30
T 31	12 55 59	15♈51'32	23♍ 9	24♓54	11♉43	15♉29	12♈40	25♈ 1	16♓30	4♋34	27♓13	9♍19	7♍49	13♍ 4	8♓56	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s25	12n59	1s43	13s40	0n37	1n 6	0s56	9n41	0n 8	1n10	1s 8	6n15	2s17	6s40	0s44	22n40	0s48	16s31	16s32	7n59	8n 5	7n59	4s27	4n50
M 2	5 2	9 58	0 39	13 46	0 24	1 38	0 54	9 57	0 9	1 15	1 8	6 18	2 17	6 39	0 44	22 40	0 48	16 30	16 32	7 59	8 6	7 57	4 25	4 50
T 3	4 38	6 34	0n27	13 51	0 11	2 9	0 52	10 14	0 10	1 21	1 8	6 20	2 17	6 38	0 44	22 41	0 48	16 30	16 32	7 59	8 7	7 56	4 24	4 50
W 4	4 15	2 53	1 31	13 53	0s 2	2 40	0 50	10 30	0 10	1 27	1 8	6 23	2 17	6 36	0 44	22 41	0 48	16 29	16 32	7 59	8 8	7 54	4 22	4 50
T 5	3 51	0s56	2 32	13 53	0 14	3 11	0 48	10 46	0 11	1 32	1 8	6 26	2 17	6 35	0 44	22 41	0 48	16 29	16 32	8 0	8 10	7 52	4 21	4 50
F 6	3 28	4 43	3 26	13 51	0 26	3 42	0 46	11 2	0 12	1 38	1 7	6 29	2 16	6 34	0 44	22 41	0 48	16 28	16 32	8 0	8 11	7 50	4 20	4 50
S 7	3 5	8 22	4 12	13 48	0 37	4 13	0 44	11 17	0 12	1 44	1 7	6 31	2 16	6 32	0 44	22 41	0 48	16 27	16 32	8 1	8 12	7 49	4 18	4 50
S 8	2 41	11 42	4 47	13 42	0 47	4 44	0 41	11 33	0 13	1 49	1 7	6 34	2 16	6 31	0 44	22 41	0 48	16 27	16 32	8 2	8 13	7 47	4 17	4 50
M 9	2 17	14 34	5 9	13 35	0 58	5 15	0 39	11 49	0 14	1 55	1 7	6 37	2 16	6 30	0 44	22 41	0 48	16 26	16 32	8 2	8 14	7 45	4 15	4 50
T 10	1 54	16 49	5 17	13 26	1 7	5 46	0 37	12 4	0 14	2 1	1 7	6 40	2 16	6 28	0 44	22 41	0 48	16 26	16 32	8 3	8 16	7 44	4 14	4 50
W11	1 30	18 14	5 8	13 15	1 16	6 17	0 34	12 19	0 15	2 7	1 7	6 42	2 16	6 27	0 44	22 41	0 48	16 25	16 32	8 3	8 17	7 42	4 13	4 50
T 12	1 7	18 42	4 43	13 3	1 25	6 47	0 32	12 34	0 16	2 12	1 7	6 45	2 16	6 26	0 44	22 41	0 48	16 24	16 32	8 3	8 18	7 40	4 11	4 50
F 13	0 43	18 4	4 0	12 49	1 33	7 17	0 30	12 50	0 16	2 18	1 7	6 48	2 16	6 24	0 44	22 41	0 48	16 24	16 32	8 3	8 19	7 39	4 10	4 50
S 14	0 19	16 18	3 2	12 33	1 41	7 47	0 27	13 5	0 17	2 24	1 7	6 51	2 16	6 23	0 44	22 41	0 48	16 23	16 32	8 2	8 20	7 37	4 8	4 50
S 15	0n 4	13 26	1 51	12 16	1 48	8 17	0 25	13 19	0 18	2 29	1 7	6 54	2 15	6 22	0 44	22 41	0 48	16 23	16 32	8 2	8 22	7 35	4 7	4 50
M16	0 28	9 38	0 31	11 57	1 54	8 47	0 22	13 34	0 18	2 35	1 7	6 56	2 15	6 20	0 44	22 41	0 48	16 22	16 32	8 1	8 23	7 33	4 6	4 50
T 17	0 51	5 10	0s52	11 36	2 0	9 17	0 20	13 49	0 19	2 41	1 7	6 59	2 15	6 19	0 44	22 41	0 48	16 22	16 32	8 1	8 24	7 32	4 4	4 50
W18	1 15	0 21	2 12	11 14	2 6	9 46	0 17	14 3	0 20	2 47	1 7	7 2	2 15	6 18	0 44	22 41	0 48	16 21	16 32	8 2	8 25	7 30	4 3	4 50
T 19	1 39	4n26	3 21	10 51	2 11	10 15	0 14	14 18	0 20	2 52	1 7	7 5	2 15	6 17	0 44	22 41	0 48	16 20	16 32	8 3	8 26	7 28	4 2	4 50
F 20	2 2	8 52	4 16	10 26	2 15	10 44	0 12	14 32	0 21	2 58	1 7	7 8	2 15	6 15	0 44	22 41	0 48	16 20	16 32	8 4	8 28	7 26	4 0	4 50
S 21	2 25	12 40	4 54	9 59	2 19	11 13	0 9	14 46	0 21	3 4	1 7	7 11	2 15	6 14	0 44	22 41	0 48	16 19	16 32	8 5	8 29	7 25	3 59	4 50
S 22	2 49	15 37	5 12	9 32	2 23	11 41	0 6	15 0	0 22	3 9	1 7	7 13	2 15	6 13	0 44	22 41	0 48	16 19	16 32	8 7	8 30	7 23	3 57	4 50
M23	3 12	17 37	5 12	9 2	2 26	12 9	0 4	15 14	0 23	3 15	1 7	7 16	2 15	6 12	0 44	22 41	0 48	16 18	16 32	8 8	8 31	7 21	3 56	4 51
T 24	3 35	18 37	4 56	8 32	2 28	12 37	0 1	15 27	0 23	3 21	1 7	7 19	2 15	6 10	0 44	22 41	0 48	16 18	16 32	8 9	8 32	7 20	3 55	4 51
W25	3 59	18 38	4 26	8 0	2 30	13 5	0n 2	15 41	0 24	3 27	1 7	7 22	2 15	6 9	0 44	22 41	0 47	16 17	16 32	8 9	8 34	7 18	3 53	4 51
T 26	4 22	17 46	3 44	7 26	2 31	13 32	0 5	15 54	0 24	3 32	1 7	7 25	2 14	6 8	0 44	22 41	0 47	16 17	16 32	8 9	8 35	7 16	3 52	4 51
F 27	4 45	16 6	2 53	6 51	2 32	13 59	0 7	16 8	0 25	3 38	1 7	7 28	2 14	6 7	0 44	22 41	0 47	16 16	16 32	8 8	8 36	7 14	3 51	4 51
S 28	5 8	13 45	1 55	6 16	2 32	14 26	0 10	16 21	0 26	3 44	1 6	7 31	2 14	6 5	0 44	22 41	0 47	16 16	16 32	8 7	8 37	7 13	3 49	4 51
S 29	5 31	10 51	0 53	5 38	2 32	14 52	0 13	16 34	0 26	3 49	1 6	7 33	2 14	6 4	0 44	22 41	0 47	16 15	16 32	8 7	8 38	7 11	3 48	4 51
M30	5 53	7 31	0n11	5 0	2 31	15 18	0 16	16 47	0 27	3 55	1 6	7 36	2 14	6 3	0 44	22 41	0 47	16 15	16 33	8 7	8 39	7 9	3 47	4 51
T 31	6n16	3n53	1n15	4s20	2s30	15n43	0n19	16n59	0n27	4n 1	1s 6	7n39	2s14	6s 2	0s44	22n41	0s47	16s15	16s33	8n 7	8n41	7n 7	3s45	4n51

Julian Day Number = 2117778.5, Delta T = 18m28s
Ecliptic obliquity = 23°33'20, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°00'04, Lahiri = 11°07'04 Julian Calendar 1 March 1086 == Greg. Calendar 7 March 1086

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1086
geocentric

APRIL 1086 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 59 56	16♈50'01	5♎ 2	26♓32	12♉56	16♉10	12♈55	25♈ 9	16♓33	4♋35	27♓14	9°R16	7♍46	13♍10	8♓59	W 1
T 2	13 3 52	17°48'29	17° 3	28°12	14° 9	16°51	13° 9	25°17	16°36	4°36	27°15	9♍11	7°43	13°17	9° 3	T 2
F 3	13 7 49	18°46'54	29°13	29°54	15°22	17°32	13°23	25°24	16°39	4°37	27°17	9° 5	7°40	13°23	9° 6	F 3
S 4	13 11 45	19°45'17	11♏34	1♈38	16°35	18°13	13°38	25°32	16°42	4°37	27°18	8°58	7°36	13°30	9° 9	S 4
S 5	13 15 42	20°43'39	24° 6	3°23	17°48	18°54	13°52	25°40	16°45	4°38	27°19	8°51	7°33	13°37	9°12	S 5
M 6	13 19 39	21°41'59	6♐50	5°10	19° 0	19°35	14° 6	25°47	16°48	4°39	27°21	8°44	7°30	13°43	9°15	M 6
T 7	13 23 35	22°40'18	19°47	6°59	20°13	20°16	14°21	25°55	16°51	4°40	27°22	8°38	7°27	13°50	9°18	T 7
W 8	13 27 32	23°38'35	2♑59	8°49	21°26	20°57	14°35	26° 3	16°54	4°41	27°24	8°34	7°24	13°57	9°21	W 8
T 9	13 31 28	24°36'50	16°26	10°42	22°38	21°38	14°49	26°11	16°57	4°42	27°25	8°32	7°20	14° 3	9°24	T 9
F 10	13 35 25	25°35'04	0♒ 9	12°36	23°51	22°19	15° 4	26°18	17° 0	4°43	27°26	8°D32	7°17	14°10	9°27	F 10
S 11	13 39 21	26°33'16	14°11	14°31	25° 3	23° 0	15°18	26°26	17° 3	4°44	27°28	8°33	7°14	14°17	9°30	S 11
S 12	13 43 18	27°31'27	28°29	16°28	26°16	23°41	15°32	26°34	17° 6	4°45	27°29	8°34	7°11	14°23	9°33	S 12
M13	13 47 14	28°29'36	13♓ 2	18°27	27°28	24°22	15°47	26°41	17° 8	4°46	27°30	8°R34	7° 8	14°30	9°35	M13
T 14	13 51 11	29°27'44	27°47	20°28	28°40	25° 2	16° 1	26°49	17°11	4°47	27°31	8°33	7° 5	14°37	9°38	T 14
W15	13 55 8	0♉25'50	12♈38	22°30	29°53	25°43	16°15	26°57	17°14	4°48	27°33	8°29	7° 1	14°43	9°41	W15
T 16	13 59 4	1°23'54	27°26	24°34	1♊ 5	26°24	16°29	27° 5	17°17	4°50	27°34	8°23	6°58	14°50	9°44	T 16
F 17	14 3 1	2°21'57	12♉ 5	26°39	2°17	27° 4	16°43	27°12	17°19	4°51	27°35	8°15	6°55	14°57	9°46	F 17
S 18	14 6 57	3°19'59	26°27	28°46	3°29	27°45	16°57	27°20	17°22	4°52	27°36	8° 7	6°52	15° 3	9°49	S 18
S 19	14 10 54	4°17'58	10♊26	0♉53	4°41	28°25	17°11	27°28	17°24	4°53	27°38	7°58	6°49	15°10	9°52	S 19
M20	14 14 50	5°15'56	23°59	3° 2	5°53	29° 6	17°26	27°35	17°27	4°55	27°39	7°50	6°46	15°16	9°54	M20
T 21	14 18 47	6°13'52	7♋ 6	5°12	7° 5	29°46	17°40	27°43	17°30	4°56	27°40	7°44	6°42	15°23	9°57	T 21
W22	14 22 43	7°11'46	19°47	7°22	8°17	0♊27	17°54	27°51	17°32	4°57	27°41	7°41	6°39	15°30	9°59	W22
T 23	14 26 40	8° 9'38	2♌ 8	9°33	9°29	1° 7	18° 7	27°58	17°35	4°59	27°42	7°39	6°36	15°36	10° 1	T 23
F 24	14 30 37	9° 7'29	14°13	11°43	10°41	1°48	18°21	28° 6	17°37	5° 0	27°44	7°D39	6°33	15°43	10° 4	F 24
S 25	14 34 33	10° 5'18	26° 7	13°54	11°53	2°28	18°35	28°14	17°39	5° 1	27°45	7°40	6°30	15°50	10° 6	S 25
S 26	14 38 30	11° 3'05	7♍55	16° 5	13° 4	3° 8	18°49	28°21	17°42	5° 3	27°46	7°R40	6°26	15°56	10° 8	S 26
M27	14 42 26	12° 0'50	19°42	18°14	14°16	3°49	19° 3	28°29	17°44	5° 4	27°47	7°39	6°23	16° 3	10°11	M27
T 28	14 46 23	12°58'33	1♎34	20°23	15°28	4°29	19°17	28°37	17°46	5° 6	27°48	7°37	6°20	16°10	10°13	T 28
W29	14 50 19	13°56'15	13°33	22°31	16°39	5° 9	19°31	28°44	17°49	5° 7	27°49	7°32	6°17	16°16	10°15	W29
T 30	14 54 16	14♉53'56	25♎44	24♉37	17♊50	5♊49	19♈44	28♈52	17♓51	5♋ 9	27♓50	7♍24	6♍14	16♍23	10♓17	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	6n39	0n 4	2n16	3s39	2s28	16n 8	0n21	17n12	0n28	4n 6	1s 6	7n42	2s14	6s 1	0s44	22n41	0s47	16s14	16s33	8n 8	8n42	7n 6	3s44	4n51
T 2	7 1	3s47	3 11	2 57	2 26	16 33	0 24	17 24	0 28	4 12	1 6	7 45	2 14	5 59	0 44	22 41	0 47	16 14	16 33	8 10	8 43	7 4	3 43	4 52
F 3	7 24	7 32	3 58	2 13	2 23	16 57	0 27	17 37	0 29	4 17	1 6	7 48	2 14	5 58	0 44	22 41	0 47	16 13	16 33	8 12	8 44	7 2	3 41	4 52
S 4	7 46	11 1	4 35	1 29	2 20	17 21	0 30	17 49	0 29	4 23	1 6	7 50	2 14	5 57	0 44	22 41	0 47	16 13	16 33	8 15	8 45	7 0	3 40	4 52
S 5	8 8	14 3	4 59	0 43	2 16	17 44	0 33	18 1	0 30	4 29	1 6	7 53	2 14	5 56	0 44	22 41	0 47	16 12	16 33	8 18	8 47	6 59	3 39	4 52
M 6	8 30	16 28	5 9	0n 3	2 11	18 7	0 35	18 12	0 31	4 34	1 6	7 56	2 14	5 55	0 44	22 41	0 47	16 12	16 33	8 20	8 48	6 57	3 38	4 52
T 7	8 52	18 7	5 4	0 51	2 6	18 30	0 38	18 24	0 31	4 40	1 6	7 59	2 14	5 54	0 44	22 41	0 47	16 12	16 34	8 22	8 49	6 55	3 36	4 52
W 8	9 13	18 49	4 42	1 40	2 1	18 52	0 41	18 35	0 32	4 45	1 6	8 2	2 14	5 52	0 44	22 41	0 47	16 11	16 34	8 24	8 50	6 53	3 35	4 52
T 9	9 35	18 30	4 5	2 30	1 55	19 14	0 44	18 47	0 32	4 51	1 6	8 5	2 14	5 51	0 44	22 41	0 47	16 11	16 34	8 24	8 51	6 52	3 34	4 53
F 10	9 56	17 5	3 13	3 20	1 48	19 35	0 47	18 58	0 33	4 56	1 6	8 7	2 14	5 50	0 44	22 41	0 47	16 10	16 34	8 25	8 53	6 50	3 33	4 53
S 11	10 17	14 37	2 8	4 12	1 41	19 55	0 49	19 9	0 33	5 2	1 6	8 10	2 14	5 49	0 44	22 41	0 47	16 10	16 34	8 24	8 54	6 48	3 31	4 53
S 12	10 39	11 13	0 54	5 4	1 34	20 15	0 52	19 20	0 34	5 7	1 6	8 13	2 14	5 48	0 44	22 41	0 47	16 10	16 34	8 24	8 55	6 46	3 30	4 53
M13	10 59	7 4	0s24	5 56	1 26	20 35	0 55	19 30	0 34	5 13	1 6	8 16	2 14	5 47	0 44	22 41	0 47	16 9	16 35	8 24	8 56	6 44	3 29	4 53
T 14	11 20	2 26	1 42	6 50	1 18	20 54	0 57	19 41	0 35	5 18	1 6	8 19	2 14	5 46	0 44	22 41	0 47	16 9	16 35	8 24	8 57	6 43	3 28	4 53
W15	11 41	2n22	2 53	7 44	1 9	21 12	1 0	19 51	0 35	5 24	1 6	8 21	2 14	5 45	0 44	22 41	0 47	16 9	16 35	8 26	8 58	6 41	3 27	4 53
T 16	12 1	7 0	3 52	8 38	1 0	21 30	1 3	20 1	0 36	5 29	1 6	8 24	2 14	5 44	0 44	22 41	0 47	16 8	16 35	8 28	9 0	6 39	3 26	4 54
F 17	12 21	11 10	4 35	9 33	0 50	21 47	1 5	20 11	0 36	5 35	1 7	8 27	2 14	5 43	0 44	22 41	0 47	16 8	16 35	8 31	9 1	6 37	3 24	4 54
S 18	12 41	14 36	5 0	10 27	0 41	22 4	1 8	20 21	0 37	5 40	1 7	8 30	2 14	5 42	0 44	22 41	0 47	16 8	16 36	8 34	9 2	6 36	3 23	4 54
S 19	13 1	17 5	5 6	11 22	0 31	22 20	1 10	20 31	0 37	5 46	1 7	8 33	2 14	5 41	0 44	22 41	0 47	16 7	16 36	8 37	9 3	6 34	3 22	4 54
M20	13 20	18 31	4 54	12 16	0 20	22 35	1 13	20 40	0 38	5 51	1 7	8 35	2 14	5 40	0 45	22 41	0 47	16 7	16 36	8 40	9 4	6 32	3 21	4 54
T 21	13 40	18 55	4 27	13 10	0 10	22 50	1 15	20 49	0 38	5 56	1 7	8 38	2 14	5 39	0 45	22 41	0 47	16 7	16 36	8 42	9 6	6 30	3 20	4 54
W22	13 59	18 20	3 48	14 3	0n 1	23 5	1 18	20 58	0 39	6 2	1 7	8 41	2 14	5 38	0 45	22 41	0 46	16 7	16 37	8 44	9 7	6 28	3 19	4 55
T 23	14 18	16 53	2 59	14 55	0 11	23 18	1 20	21 7	0 39	6 7	1 7	8 43	2 14	5 37	0 45	22 41	0 46	16 6	16 37	8 44	9 8	6 27	3 18	4 55
F 24	14 36	14 42	2 2	15 46	0 22	23 31	1 23	21 16	0 40	6 12	1 7	8 46	2 14	5 36	0 45	22 41	0 46	16 6	16 37	8 44	9 9	6 25	3 17	4 55
S 25	14 55	11 55	1 2	16 36	0 32	23 44	1 25	21 24	0 40	6 17	1 7	8 49	2 14	5 35	0 45	22 41	0 46	16 6	16 37	8 44	9 10	6 23	3 16	4 55
S 26	15 13	8 40	0n 1	17 24	0 43	23 55	1 27	21 33	0 40	6 23	1 7	8 52	2 14	5 34	0 45	22 41	0 46	16 6	16 37	8 44	9 11	6 21	3 15	4 55
M27	15 31	5 5	1 4	18 11	0 53	24 6	1 30	21 41	0 41	6 28	1 7	8 54	2 14	5 33	0 45	22 41	0 46	16 5	16 38	8 44	9 13	6 20	3 14	4 56
T 28	15 49	1 16	2 4	18 56	1 2	24 17	1 32	21 49	0 41	6 33	1 7	8 57	2 14	5 32	0 45	22 41	0 46	16 5	16 38	8 45	9 14	6 18	3 13	4 56
W29	16 6	2s38	2 59	19 38	1 11	24 26	1 34	21 57	0 42	6 38	1 7	9 0	2 14	5 32	0 45	22 41	0 46	16 5	16 38	8 47	9 15	6 16	3 12	4 56
T 30	16n23	6s28	3n47	20n19	1n20	24n35	1n36	22n 4	0n42	6n43	1s 7	9n 2	2s14	5s31	0s45	22n41	0s46	16s 5	16s38	8n50	9n16	6n14	3s11	4n56

Julian Day Number = 2117809.5, Delta T = 18m28s
Ecliptic obliquity = 23°33'20, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°00'08, Lahiri = 11°07'09 Julian Calendar 1 Apr. 1086 == Greg. Calendar 7 Apr. 1086

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1086
geocentric

MAY 1086 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 58 12	15♉51'35	8♏ 7	26♉41	19♊ 2	6♊29	19♈58	28♈59	17♓53	5♋10	27♓51	7°R14	6♍11	16♍30	10♓19	F 1
S 2	15 2 9	16°49'13	20°44	28°44	20°13	7° 9	20°11	29° 7	17°55	5°12	27°52	7♍ 3	6° 7	16°36	10°21	S 2
S 3	15 6 5	17°46'49	3♐35	0♊44	21°24	7°49	20°25	29°14	17°57	5°14	27°53	6°51	6° 4	16°43	10°23	S 3
M 4	15 10 2	18°44'25	16°39	2°42	22°35	8°29	20°39	29°22	17°59	5°15	27°54	6°39	6° 1	16°49	10°25	M 4
T 5	15 13 59	19°41'59	29°55	4°38	23°47	9° 9	20°52	29°29	18° 1	5°17	27°55	6°30	5°58	16°56	10°27	T 5
W 6	15 17 55	20°39'32	13♑23	6°31	24°58	9°49	21° 5	29°36	18° 3	5°19	27°56	6°23	5°55	17° 3	10°29	W 6
T 7	15 21 52	21°37'04	27° 0	8°21	26° 9	10°29	21°19	29°44	18° 5	5°20	27°57	6°18	5°51	17° 9	10°30	T 7
F 8	15 25 48	22°34'36	10♒48	10° 9	27°19	11° 9	21°32	29°51	18° 7	5°22	27°58	6°16	5°48	17°16	10°32	F 8
S 9	15 29 45	23°32'06	24°46	11°54	28°30	11°49	21°45	29°59	18° 9	5°24	27°59	6°D16	5°45	17°23	10°34	S 9
S 10	15 33 41	24°29'36	8♓53	13°36	29°41	12°29	21°59	0♉ 6	18°11	5°26	28° 0	6°R16	5°42	17°29	10°35	S 10
M11	15 37 38	25°27'04	23°10	15°15	0♋52	13° 9	22°12	0°13	18°13	5°27	28° 1	6°15	5°39	17°36	10°37	M11
T 12	15 41 34	26°24'32	7♈33	16°51	2° 2	13°49	22°25	0°20	18°15	5°29	28° 2	6°13	5°36	17°43	10°38	T 12
W13	15 45 31	27°22'00	22° 0	18°25	3°13	14°28	22°38	0°28	18°16	5°31	28° 3	6° 7	5°32	17°49	10°40	W13
T 14	15 49 28	28°19'26	6♉25	19°55	4°23	15° 8	22°51	0°35	18°18	5°33	28° 4	5°59	5°29	17°56	10°41	T 14
F 15	15 53 24	29°16'52	20°44	21°23	5°34	15°48	23° 4	0°42	18°20	5°35	28° 4	5°49	5°26	18° 3	10°43	F 15
S 16	15 57 21	0♊14'17	4♊49	22°47	6°44	16°27	23°17	0°49	18°21	5°37	28° 5	5°37	5°23	18° 9	10°44	S 16
S 17	16 1 17	1°11'40	18°37	24° 8	7°54	17° 7	23°30	0°56	18°23	5°38	28° 6	5°25	5°20	18°16	10°45	S 17
M18	16 5 14	2° 9'03	2♋ 3	25°27	9° 4	17°47	23°43	1° 3	18°24	5°40	28° 7	5°15	5°17	18°23	10°46	M18
T 19	16 9 10	3° 6'25	15° 6	26°42	10°15	18°26	23°55	1°10	18°26	5°42	28° 7	5° 6	5°13	18°29	10°47	T 19
W20	16 13 7	4° 3'46	27°46	27°53	11°24	19° 6	24° 8	1°17	18°27	5°44	28° 8	5° 0	5°10	18°36	10°49	W20
T 21	16 17 4	5° 1'06	10♌ 7	29° 2	12°34	19°45	24°20	1°24	18°28	5°46	28° 9	4°57	5° 7	18°43	10°50	T 21
F 22	16 21 0	5°58'25	22°12	0♋ 7	13°44	20°25	24°33	1°31	18°30	5°48	28°10	4°55	5° 4	18°49	10°51	F 22
S 23	16 24 57	6°55'43	4♍ 7	1° 9	14°54	21° 4	24°45	1°38	18°31	5°50	28°10	4°55	5° 1	18°56	10°51	S 23
S 24	16 28 53	7°53'00	15°56	2° 8	16° 4	21°44	24°58	1°44	18°32	5°52	28°11	4°55	4°57	19° 2	10°52	S 24
M25	16 32 50	8°50'16	27°45	3° 2	17°13	22°23	25°10	1°51	18°33	5°54	28°12	4°54	4°54	19° 9	10°53	M25
T 26	16 36 46	9°47'31	9♎40	3°54	18°22	23° 3	25°22	1°58	18°34	5°56	28°12	4°51	4°51	19°16	10°54	T 26
W27	16 40 43	10°44'45	21°44	4°41	19°32	23°42	25°34	2° 4	18°35	5°58	28°13	4°46	4°48	19°22	10°55	W27
T 28	16 44 39	11°41'58	4♏ 2	5°25	20°41	24°21	25°46	2°11	18°37	6° 0	28°13	4°38	4°45	19°29	10°55	T 28
F 29	16 48 36	12°39'11	16°37	6° 4	21°50	25° 1	25°58	2°18	18°38	6° 2	28°14	4°28	4°42	19°36	10°56	F 29
S 30	16 52 32	13°36'23	29°29	6°40	22°59	25°40	26°10	2°24	18°38	6° 5	28°14	4°16	4°38	19°42	10°56	S 30
S 31	16 56 29	14♊33'35	12♐40	7♋11	24♋ 8	26♊19	26♈22	2♉30	18♓39	6♋ 7	28♓15	4♍ 4	4♍35	19♍49	10♓57	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n40	10s 6	4n25	20n57	1n29	24n44	1n38	22n12	0n43	6n49	1s 7	9n 5	2s14	5s30	0s45	22n41	0s46	16s 5	16s39	8n54	9n17	6n12	3s10	4n56
S 2	16 57	13 21	4 50	21 32	1 36	24 51	1 40	22 19	0 43	6 54	1 7	9 7	2 14	5 29	0 45	22 41	0 46	16 4	16 39	8 58	9 19	6 11	3 9	4 57
S 3	17 13	16 2	5 2	22 5	1 43	24 58	1 42	22 26	0 44	6 59	1 7	9 10	2 14	5 28	0 45	22 41	0 46	16 4	16 39	9 2	9 20	6 9	3 8	4 57
M 4	17 29	17 57	4 58	22 36	1 50	25 4	1 44	22 33	0 44	7 4	1 7	9 13	2 14	5 28	0 45	22 41	0 46	16 4	16 40	9 7	9 21	6 7	3 7	4 57
T 5	17 45	18 56	4 38	23 4	1 56	25 10	1 46	22 40	0 44	7 9	1 7	9 15	2 14	5 27	0 45	22 41	0 46	16 4	16 40	9 10	9 22	6 5	3 6	4 57
W 6	18 0	18 52	4 2	23 29	2 1	25 15	1 47	22 46	0 45	7 14	1 7	9 18	2 14	5 26	0 45	22 41	0 46	16 4	16 40	9 13	9 23	6 3	3 5	4 57
T 7	18 15	17 43	3 12	23 51	2 5	25 19	1 49	22 52	0 45	7 19	1 7	9 20	2 14	5 25	0 45	22 41	0 46	16 4	16 40	9 14	9 24	6 2	3 4	4 58
F 8	18 30	15 31	2 11	24 12	2 8	25 22	1 51	22 59	0 46	7 24	1 7	9 23	2 14	5 25	0 45	22 41	0 46	16 4	16 41	9 15	9 26	6 0	3 3	4 58
S 9	18 45	12 23	1 1	24 29	2 11	25 25	1 52	23 4	0 46	7 29	1 7	9 25	2 14	5 24	0 45	22 41	0 46	16 3	16 41	9 15	9 27	5 58	3 3	4 58
S 10	18 59	8 29	0s14	24 44	2 13	25 27	1 54	23 10	0 46	7 34	1 8	9 28	2 14	5 23	0 45	22 41	0 46	16 3	16 41	9 15	9 28	5 56	3 2	4 58
M11	19 13	4 5	1 28	24 57	2 14	25 28	1 55	23 16	0 47	7 38	1 8	9 30	2 15	5 22	0 45	22 41	0 46	16 3	16 42	9 16	9 29	5 54	3 1	4 59
T 12	19 27	0n36	2 38	25 8	2 14	25 29	1 56	23 21	0 47	7 43	1 8	9 33	2 15	5 22	0 45	22 41	0 46	16 3	16 42	9 17	9 30	5 53	3 0	4 59
W13	19 40	5 15	3 37	25 16	2 14	25 28	1 58	23 26	0 48	7 48	1 8	9 35	2 15	5 21	0 45	22 41	0 46	16 3	16 42	9 19	9 31	5 51	2 59	4 59
T 14	19 53	9 36	4 22	25 23	2 13	25 28	1 59	23 31	0 48	7 53	1 8	9 38	2 15	5 21	0 45	22 41	0 46	16 3	16 43	9 22	9 33	5 49	2 59	4 59
F 15	20 6	13 21	4 51	25 27	2 11	25 26	2 0	23 36	0 48	7 58	1 8	9 40	2 15	5 20	0 45	22 40	0 46	16 3	16 43	9 25	9 34	5 47	2 58	5 0
S 16	20 18	16 16	5 1	25 29	2 8	25 24	2 1	23 40	0 49	8 2	1 8	9 42	2 15	5 19	0 45	22 40	0 46	16 3	16 43	9 30	9 35	5 45	2 57	5 0
S 17	20 30	18 12	4 53	25 30	2 5	25 21	2 2	23 45	0 49	8 7	1 8	9 45	2 15	5 19	0 45	22 40	0 46	16 3	16 44	9 34	9 36	5 43	2 57	5 0
M18	20 42	19 3	4 29	25 29	2 0	25 17	2 3	23 49	0 49	8 12	1 8	9 47	2 15	5 18	0 45	22 40	0 46	16 3	16 44	9 38	9 37	5 42	2 56	5 0
T 19	20 53	18 52	3 51	25 26	1 55	25 12	2 3	23 53	0 50	8 16	1 8	9 49	2 15	5 18	0 45	22 40	0 46	16 3	16 44	9 41	9 38	5 40	2 55	5 0
W20	21 4	17 43	3 3	25 22	1 49	25 7	2 4	23 56	0 50	8 21	1 8	9 52	2 15	5 17	0 45	22 40	0 46	16 3	16 44	9 43	9 40	5 38	2 55	5 1
T 21	21 14	15 45	2 7	25 16	1 43	25 1	2 5	24 0	0 51	8 25	1 8	9 54	2 15	5 17	0 45	22 40	0 46	16 3	16 45	9 45	9 41	5 36	2 54	5 1
F 22	21 24	13 7	1 7	25 9	1 35	24 55	2 5	24 3	0 51	8 30	1 8	9 56	2 16	5 16	0 46	22 40	0 46	16 3	16 45	9 45	9 42	5 34	2 53	5 1
S 23	21 34	9 59	0 4	25 0	1 27	24 48	2 6	24 6	0 51	8 34	1 9	9 59	2 16	5 16	0 46	22 40	0 46	16 3	16 46	9 45	9 43	5 32	2 53	5 1
S 24	21 44	6 28	0n58	24 51	1 18	24 40	2 6	24 9	0 52	8 39	1 9	10 1	2 16	5 15	0 46	22 40	0 46	16 3	16 46	9 45	9 44	5 31	2 52	5 2
M25	21 53	2 42	1 58	24 40	1 9	24 31	2 6	24 12	0 52	8 43	1 9	10 3	2 16	5 15	0 46	22 40	0 46	16 3	16 46	9 46	9 45	5 29	2 52	5 2
T 26	22 2	1s12	2 53	24 29	0 59	24 22	2 6	24 15	0 52	8 47	1 9	10 5	2 16	5 14	0 46	22 40	0 46	16 3	16 47	9 47	9 47	5 27	2 51	5 2
W27	22 10	5 6	3 41	24 16	0 48	24 12	2 6	24 17	0 53	8 52	1 9	10 7	2 16	5 14	0 46	22 40	0 46	16 3	16 47	9 49	9 48	5 25	2 51	5 2
T 28	22 18	8 51	4 20	24 3	0 36	24 2	2 6	24 19	0 53	8 56	1 9	10 10	2 16	5 14	0 46	22 40	0 46	16 4	16 47	9 52	9 49	5 23	2 50	5 3
F 29	22 25	12 18	4 47	23 49	0 24	23 51	2 6	24 21	0 53	9 0	1 9	10 12	2 16	5 13	0 46	22 40	0 45	16 4	16 48	9 55	9 50	5 21	2 50	5 3
S 30	22 33	15 15	5 0	23 34	0 11	23 39	2 6	24 23	0 54	9 5	1 9	10 14	2 16	5 13	0 46	22 39	0 45	16 4	16 48	9 59	9 51	5 20	2 49	5 3
S 31	22n39	17s30	4n58	23n19	0s 2	23n27	2n 5	24n24	0n54	9n 9	1s 9	10n16	2s17	5s13	0s46	22n39	0s45	16s 4	16s48	10n 4	9n52	5n18	2s49	5n 3

Julian Day Number = 2117839.5, Delta T = 18m28s
Ecliptic obliquity = 23°33'19, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°00'12, Lahiri = 11°07'13 Julian Calendar 1 May 1086 == Greg. Calendar 7 May 1086

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1086
geocentric

JUNE 1086 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 0 26	15♊30'46	26♐ 6	7♋39	25♋17	26♊58	26♈34	2♉37	18♓40	6♋ 9	28♓15	3°R52	4♍32	19♍56	10♓57	M 1
T 2	17 4 22	16°27'57	9♑46	8° 2	26°26	27°37	26°45	2°43	18°41	6°11	28°16	3♍42	4°29	20° 2	10°58	T 2
W 3	17 8 19	17°25'08	23°36	8°20	27°34	28°17	26°57	2°49	18°42	6°13	28°16	3°35	4°26	20° 9	10°58	W 3
T 4	17 12 15	18°22'18	7♒34	8°34	28°43	28°56	27° 8	2°56	18°42	6°15	28°17	3°30	4°23	20°16	10°58	T 4
F 5	17 16 12	19°19'28	21°37	8°43	29°51	29°35	27°20	3° 2	18°43	6°17	28°17	3°28	4°19	20°22	10°59	F 5
S 6	17 20 8	20°16'39	5♓43	8°48	0♌59	0♋14	27°31	3° 8	18°44	6°19	28°17	3°D28	4°16	20°29	10°59	S 6
S 7	17 24 5	21°13'49	19°51	8°R48	2° 7	0°53	27°42	3°14	18°44	6°22	28°18	3°R28	4°13	20°36	10°59	S 7
M 8	17 28 2	22°10'59	3♈59	8°44	3°15	1°32	27°53	3°20	18°45	6°24	28°18	3°28	4°10	20°42	10°R59	M 8
T 9	17 31 58	23° 8'10	18° 7	8°35	4°23	2°11	28° 4	3°26	18°45	6°26	28°18	3°26	4° 7	20°49	10°59	T 9
W10	17 35 55	24° 5'21	2♉12	8°22	5°31	2°50	28°15	3°32	18°46	6°28	28°19	3°21	4° 3	20°56	10°59	W10
T 11	17 39 51	25° 2'32	16°13	8° 5	6°38	3°29	28°26	3°38	18°46	6°30	28°19	3°14	4° 0	21° 2	10°59	T 11
F 12	17 43 48	25°59'43	0♊ 6	7°43	7°46	4° 8	28°37	3°43	18°46	6°32	28°19	3° 5	3°57	21° 9	10°58	F 12
S 13	17 47 44	26°56'54	13°47	7°18	8°53	4°47	28°47	3°49	18°47	6°35	28°19	2°54	3°54	21°15	10°58	S 13
S 14	17 51 41	27°54'05	27°14	6°50	10° 0	5°26	28°58	3°55	18°47	6°37	28°20	2°44	3°51	21°22	10°58	S 14
M15	17 55 37	28°51'16	10♋23	6°18	11° 8	6° 5	29° 8	4° 0	18°47	6°39	28°20	2°34	3°48	21°29	10°58	M15
T 16	17 59 34	29°48'27	23°14	5°45	12°14	6°44	29°19	4° 6	18°47	6°41	28°20	2°26	3°44	21°35	10°57	T 16
W17	18 3 31	0♌45'39	5♌47	5° 9	13°21	7°23	29°29	4°11	18°47	6°44	28°20	2°21	3°41	21°42	10°57	W17
T 18	18 7 27	1°42'50	18° 4	4°32	14°28	8° 2	29°39	4°16	18°R47	6°46	28°20	2°17	3°38	21°49	10°56	T 18
F 19	18 11 24	2°40'01	0♍ 7	3°54	15°34	8°41	29°49	4°22	18°47	6°48	28°20	2°D16	3°35	21°55	10°56	F 19
S 20	18 15 20	3°37'12	12° 1	3°16	16°41	9°19	29°59	4°27	18°47	6°50	28°20	2°17	3°32	22° 2	10°55	S 20
S 21	18 19 17	4°34'22	23°50	2°38	17°47	9°58	0♉ 9	4°32	18°47	6°52	28°20	2°17	3°29	22° 9	10°54	S 21
M22	18 23 13	5°31'33	5♎40	2° 2	18°53	10°37	0°18	4°37	18°47	6°55	28°20	2°R18	3°25	22°15	10°54	M22
T 23	18 27 10	6°28'44	17°35	1°28	19°58	11°16	0°28	4°42	18°47	6°57	28°R20	2°17	3°22	22°22	10°53	T 23
W24	18 31 6	7°25'55	29°42	0°56	21° 4	11°54	0°37	4°47	18°46	6°59	28°20	2°15	3°19	22°29	10°52	W24
T 25	18 35 3	8°23'06	12♏ 4	0°27	22° 9	12°33	0°46	4°52	18°46	7° 1	28°20	2°10	3°16	22°35	10°51	T 25
F 26	18 39 0	9°20'18	24°45	0° 2	23°15	13°12	0°56	4°57	18°46	7° 4	28°20	2° 4	3°13	22°42	10°50	F 26
S 27	18 42 56	10°17'29	7♐47	29♊40	24°20	13°51	1° 5	5° 1	18°45	7° 6	28°20	1°56	3° 9	22°49	10°49	S 27
S 28	18 46 53	11°14'41	21°11	29°24	25°24	14°29	1°13	5° 6	18°45	7° 8	28°20	1°47	3° 6	22°55	10°48	S 28
M29	18 50 49	12°11'53	4♑56	29°12	26°29	15° 8	1°22	5°10	18°44	7°10	28°20	1°39	3° 3	23° 2	10°47	M29
T 30	18 54 46	13♋ 9'06	18♑58	29♊ 5	27♌33	15♋46	1♉31	5♉15	18♓44	7♋13	28♓20	1♍33	3♍ 0	23♍ 9	10♓46	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n46	18s51	4n39	23n 4	0s16	23n14	2n 5	24n26	0n54	9n13	1s 9	10n18	2s17	5s12	0s46	22n39	0s45	16s 4	16s49	10n 8	9n54	5n16	2s49	5n 4
T 2	22 52	19 8	4 4	22 48	0 31	23 0	2 4	24 27	0 55	9 17	1 10	10 20	2 17	5 12	0 46	22 39	0 45	16 4	16 49	10 12	9 55	5 14	2 48	5 4
W 3	22 57	18 17	3 15	22 32	0 46	22 46	2 4	24 28	0 55	9 21	1 10	10 22	2 17	5 12	0 46	22 39	0 45	16 4	16 49	10 14	9 56	5 12	2 48	5 4
T 4	23 3	16 20	2 13	22 16	1 1	22 31	2 3	24 28	0 55	9 25	1 10	10 24	2 17	5 12	0 46	22 39	0 45	16 4	16 50	10 16	9 57	5 10	2 48	5 4
F 5	23 7	13 23	1 3	22 0	1 17	22 16	2 2	24 29	0 56	9 29	1 10	10 26	2 17	5 11	0 46	22 39	0 45	16 5	16 50	10 17	9 58	5 9	2 47	5 5
S 6	23 12	9 39	0s12	21 43	1 32	22 0	2 1	24 29	0 56	9 33	1 10	10 28	2 17	5 11	0 46	22 39	0 45	16 5	16 50	10 17	9 59	5 7	2 47	5 5
S 7	23 16	5 21	1 26	21 27	1 49	21 44	2 0	24 29	0 56	9 37	1 10	10 30	2 18	5 11	0 46	22 39	0 45	16 5	16 51	10 17	10 1	5 5	2 47	5 5
M 8	23 19	0 46	2 35	21 12	2 5	21 27	1 59	24 29	0 56	9 41	1 10	10 32	2 18	5 11	0 46	22 39	0 45	16 5	16 51	10 17	10 2	5 3	2 47	5 5
T 9	23 23	3n50	3 34	20 56	2 21	21 9	1 58	24 29	0 57	9 45	1 10	10 34	2 18	5 11	0 46	22 39	0 45	16 5	16 52	10 18	10 3	5 1	2 46	5 6
W10	23 25	8 14	4 20	20 41	2 37	20 52	1 56	24 29	0 57	9 48	1 11	10 35	2 18	5 11	0 46	22 39	0 45	16 6	16 52	10 20	10 4	4 59	2 46	5 6
T 11	23 28	12 8	4 50	20 27	2 52	20 33	1 55	24 28	0 57	9 52	1 11	10 37	2 18	5 10	0 46	22 38	0 45	16 6	16 52	10 22	10 5	4 57	2 46	5 6
F 12	23 30	15 20	5 3	20 13	3 7	20 14	1 53	24 27	0 58	9 56	1 11	10 39	2 18	5 10	0 46	22 38	0 45	16 6	16 53	10 25	10 6	4 56	2 46	5 6
S 13	23 31	17 38	4 58	20 0	3 22	19 55	1 51	24 26	0 58	10 0	1 11	10 41	2 18	5 10	0 46	22 38	0 45	16 6	16 53	10 29	10 8	4 54	2 46	5 6
S 14	23 32	18 55	4 36	19 47	3 36	19 35	1 49	24 25	0 58	10 3	1 11	10 43	2 19	5 10	0 46	22 38	0 45	16 7	16 53	10 33	10 9	4 52	2 46	5 7
M15	23 33	19 9	4 0	19 36	3 49	19 14	1 47	24 23	0 58	10 7	1 11	10 44	2 19	5 10	0 46	22 38	0 45	16 7	16 54	10 37	10 10	4 50	2 45	5 7
T 16	23 33	18 23	3 13	19 25	4 1	18 54	1 45	24 22	0 59	10 10	1 11	10 46	2 19	5 10	0 46	22 38	0 45	16 7	16 54	10 39	10 11	4 48	2 45	5 7
W17	23 33	16 42	2 17	19 16	4 12	18 32	1 43	24 20	0 59	10 14	1 11	10 48	2 19	5 10	0 46	22 38	0 45	16 7	16 55	10 41	10 12	4 46	2 45	5 7
T 18	23 33	14 18	1 15	19 8	4 21	18 11	1 41	24 18	0 59	10 17	1 12	10 49	2 19	5 10	0 47	22 38	0 45	16 8	16 55	10 43	10 13	4 44	2 45	5 8
F 19	23 32	11 18	0 12	19 1	4 29	17 49	1 38	24 16	1 0	10 21	1 12	10 51	2 20	5 10	0 47	22 38	0 45	16 8	16 55	10 43	10 15	4 43	2 45	5 8
S 20	23 30	7 53	0n52	18 55	4 36	17 26	1 36	24 13	1 0	10 24	1 12	10 52	2 20	5 10	0 47	22 38	0 45	16 8	16 56	10 43	10 16	4 41	2 45	5 8
S 21	23 29	4 11	1 53	18 51	4 41	17 3	1 33	24 11	1 0	10 27	1 12	10 54	2 20	5 10	0 47	22 37	0 45	16 9	16 56	10 43	10 17	4 39	2 45	5 8
M22	23 26	0 20	2 49	18 48	4 44	16 40	1 30	24 8	1 0	10 30	1 12	10 55	2 20	5 10	0 47	22 37	0 45	16 9	16 56	10 42	10 18	4 37	2 45	5 9
T 23	23 24	3s34	3 39	18 47	4 46	16 17	1 27	24 5	1 1	10 34	1 12	10 57	2 20	5 11	0 47	22 37	0 45	16 9	16 57	10 43	10 19	4 35	2 46	5 9
W24	23 21	7 22	4 19	18 47	4 47	15 53	1 24	24 2	1 1	10 37	1 13	10 58	2 20	5 11	0 47	22 37	0 45	16 10	16 57	10 44	10 20	4 33	2 46	5 9
T 25	23 17	10 57	4 48	18 48	4 45	15 28	1 21	23 58	1 1	10 40	1 13	11 0	2 21	5 11	0 47	22 37	0 45	16 10	16 57	10 45	10 21	4 31	2 46	5 9
F 26	23 13	14 7	5 4	18 51	4 42	15 4	1 18	23 55	1 1	10 43	1 13	11 1	2 21	5 11	0 47	22 37	0 45	16 10	16 58	10 48	10 23	4 29	2 46	5 9
S 27	23 9	16 41	5 5	18 55	4 38	14 39	1 15	23 51	1 2	10 46	1 13	11 3	2 21	5 11	0 47	22 37	0 45	16 11	16 58	10 50	10 24	4 28	2 46	5 10
S 28	23 5	18 26	4 50	19 1	4 32	14 14	1 11	23 47	1 2	10 49	1 13	11 4	2 21	5 11	0 47	22 37	0 45	16 11	16 59	10 53	10 25	4 26	2 46	5 10
M29	23 0	19 11	4 17	19 8	4 25	13 48	1 8	23 43	1 2	10 52	1 13	11 5	2 21	5 12	0 47	22 37	0 45	16 11	16 59	10 56	10 26	4 24	2 47	5 10
T 30	22n54	18s46	3n29	19n17	4s16	13n23	1n 4	23n39	1n 2	10n55	1s13	11n 7	2s22	5s12	0s47	22n37	0s45	16s12	16s59	10n59	10n27	4n22	2s47	5n10

Julian Day Number = 2117870.5, Delta T = 18m27s
Ecliptic obliquity = 23°33'19, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°00'17, Lahiri = 11°07'17 Julian Calendar 1 June 1086 == Greg. Calendar 7 June 1086

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1086
geocentric

JULY 1086 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 58 42	14♋ 6'19	3♒13	29°D 4	28♌38	16♋25	1♉39	5♉19	18°R43	7♋15	28°R20	1°R28	2♍57	23♍15	10°R45	W 1
T 2	19 2 39	15° 3'33	17°37	29♊ 8	29°41	17° 4	1°48	5°23	18♓43	7°17	28♓20	1♍25	2°54	23°22	10♓43	T 2
F 3	19 6 35	16° 0'48	2♓ 2	29°18	0♍45	17°42	1°56	5°28	18°42	7°19	28°19	1°D24	2°50	23°29	10°42	F 3
S 4	19 10 32	16°58'03	16°27	29°33	1°49	18°21	2° 4	5°32	18°41	7°21	28°19	1°25	2°47	23°35	10°41	S 4
S 5	19 14 29	17°55'19	0♈46	29°55	2°52	18°59	2°12	5°36	18°40	7°24	28°19	1°26	2°44	23°42	10°39	S 5
M 6	19 18 25	18°52'37	14°58	0♋23	3°55	19°38	2°20	5°40	18°39	7°26	28°19	1°R27	2°41	23°49	10°38	M 6
T 7	19 22 22	19°49'55	29° 0	0°56	4°58	20°16	2°28	5°43	18°39	7°28	28°18	1°27	2°38	23°55	10°36	T 7
W 8	19 26 18	20°47'14	12♉53	1°35	6° 0	20°55	2°35	5°47	18°38	7°30	28°18	1°25	2°35	24° 2	10°35	W 8
T 9	19 30 15	21°44'35	26°34	2°21	7° 2	21°33	2°43	5°51	18°37	7°32	28°18	1°21	2°31	24° 8	10°33	T 9
F 10	19 34 11	22°41'57	10♊ 3	3°12	8° 4	22°12	2°50	5°54	18°36	7°35	28°17	1°16	2°28	24°15	10°32	F 10
S 11	19 38 8	23°39'20	23°20	4° 8	9° 6	22°50	2°57	5°58	18°35	7°37	28°17	1°10	2°25	24°22	10°30	S 11
S 12	19 42 4	24°36'43	6♋23	5°11	10° 7	23°29	3° 4	6° 1	18°34	7°39	28°16	1° 4	2°22	24°28	10°28	S 12
M13	19 46 1	25°34'08	19°12	6°18	11° 8	24° 7	3°11	6° 5	18°32	7°41	28°16	0°58	2°19	24°35	10°26	M13
T 14	19 49 58	26°31'34	1♌46	7°32	12° 9	24°46	3°18	6° 8	18°31	7°43	28°16	0°54	2°15	24°42	10°25	T 14
W15	19 53 54	27°29'01	14° 7	8°50	13° 9	25°24	3°24	6°11	18°30	7°45	28°15	0°51	2°12	24°48	10°23	W15
T 16	19 57 51	28°26'28	26°15	10°14	14°10	26° 3	3°30	6°14	18°29	7°47	28°15	0°D50	2° 9	24°55	10°21	T 16
F 17	20 1 47	29°23'57	8♍14	11°42	15° 9	26°41	3°37	6°17	18°28	7°49	28°14	0°50	2° 6	25° 2	10°19	F 17
S 18	20 5 44	0♌21'26	20° 5	13°15	16° 9	27°19	3°43	6°20	18°26	7°52	28°14	0°51	2° 3	25° 8	10°17	S 18
S 19	20 9 40	1°18'56	1♎53	14°52	17° 8	27°58	3°49	6°22	18°25	7°54	28°13	0°53	2° 0	25°15	10°15	S 19
M20	20 13 37	2°16'27	13°42	16°33	18° 6	28°36	3°54	6°25	18°23	7°56	28°13	0°54	1°56	25°22	10°13	M20
T 21	20 17 33	3°13'59	25°37	18°18	19° 5	29°15	4° 0	6°28	18°22	7°58	28°12	0°56	1°53	25°28	10°11	T 21
W22	20 21 30	4°11'32	7♏43	20° 6	20° 3	29°53	4° 5	6°30	18°20	8° 0	28°11	0°R56	1°50	25°35	10° 9	W22
T 23	20 25 27	5° 9'06	20° 4	21°57	21° 0	0♌31	4°10	6°32	18°19	8° 2	28°11	0°55	1°47	25°42	10° 6	T 23
F 24	20 29 23	6° 6'41	2♐45	23°51	21°57	1° 9	4°15	6°35	18°17	8° 4	28°10	0°53	1°44	25°48	10° 4	F 24
S 25	20 33 20	7° 4'17	15°49	25°46	22°54	1°48	4°20	6°37	18°16	8° 6	28° 9	0°50	1°41	25°55	10° 2	S 25
S 26	20 37 16	8° 1'54	29°18	27°44	23°50	2°26	4°25	6°39	18°14	8° 8	28° 9	0°47	1°37	26° 2	10° 0	S 26
M27	20 41 13	8°59'32	13♑12	29°43	24°45	3° 4	4°29	6°41	18°12	8°10	28° 8	0°44	1°34	26° 8	9°57	M27
T 28	20 45 9	9°57'11	27°28	1♌43	25°41	3°43	4°34	6°43	18°11	8°12	28° 7	0°41	1°31	26°15	9°55	T 28
W29	20 49 6	10°54'52	12♒ 3	3°44	26°35	4°21	4°38	6°44	18° 9	8°14	28° 7	0°39	1°28	26°22	9°53	W29
T 30	20 53 2	11°52'33	26°49	5°46	27°29	4°59	4°42	6°46	18° 7	8°16	28° 6	0°D39	1°25	26°28	9°50	T 30
F 31	20 56 59	12♌50'17	11♓40	7♌47	28♍23	5♌37	4♉46	6♉47	18♓ 5	8♋18	28♓ 5	0♍39	1♍21	26♍35	9♓48	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n48	17s 9	2n26	19n26	4s 7	12n57	1n 0	23n35	1n 3	10n57	1s14	11n 8	2s22	5s12	0s47	22n36	0s45	16s12	17s 0	11n 0	10n28	4n20	2s47	5n11
T 2	22 42	14 27	1 14	19 37	3 56	12 31	0 56	23 30	1 3	11 0	1 14	11 9	2 22	5 12	0 47	22 36	0 45	16 13	17 0	11 1	10 30	4 18	2 47	5 11
F 3	22 35	10 51	0s 3	19 48	3 45	12 4	0 52	23 25	1 3	11 3	1 14	11 10	2 22	5 13	0 47	22 36	0 45	16 13	17 0	11 2	10 31	4 16	2 48	5 11
S 4	22 28	6 37	1 21	20 1	3 33	11 37	0 48	23 20	1 3	11 5	1 14	11 11	2 22	5 13	0 47	22 36	0 45	16 14	17 1	11 1	10 32	4 14	2 48	5 11
S 5	22 21	2 1	2 32	20 14	3 20	11 11	0 43	23 15	1 3	11 8	1 14	11 13	2 23	5 13	0 47	22 36	0 45	16 14	17 1	11 1	10 33	4 12	2 48	5 11
M 6	22 13	2n38	3 34	20 27	3 6	10 44	0 39	23 10	1 4	11 11	1 15	11 14	2 23	5 14	0 47	22 36	0 45	16 14	17 1	11 1	10 34	4 11	2 49	5 12
T 7	22 5	7 5	4 22	20 41	2 52	10 16	0 34	23 4	1 4	11 13	1 15	11 15	2 23	5 14	0 47	22 36	0 45	16 15	17 2	11 1	10 35	4 9	2 49	5 12
W 8	21 56	11 6	4 54	20 55	2 38	9 49	0 30	22 58	1 4	11 15	1 15	11 16	2 23	5 15	0 47	22 36	0 45	16 15	17 2	11 1	10 36	4 7	2 49	5 12
T 9	21 47	14 28	5 9	21 9	2 23	9 21	0 25	22 53	1 4	11 18	1 15	11 17	2 24	5 15	0 47	22 35	0 45	16 16	17 3	11 3	10 38	4 5	2 50	5 12
F 10	21 38	17 0	5 7	21 23	2 8	8 54	0 20	22 47	1 4	11 20	1 15	11 18	2 24	5 15	0 47	22 35	0 45	16 16	17 3	11 5	10 39	4 3	2 50	5 12
S 11	21 28	18 36	4 48	21 36	1 53	8 26	0 15	22 40	1 5	11 22	1 15	11 19	2 24	5 16	0 47	22 35	0 45	16 17	17 3	11 7	10 40	4 1	2 51	5 12
S 12	21 18	19 10	4 14	21 49	1 38	7 58	0 10	22 34	1 5	11 25	1 16	11 20	2 24	5 16	0 47	22 35	0 45	16 17	17 4	11 9	10 41	3 59	2 51	5 13
M13	21 8	18 45	3 28	22 1	1 23	7 30	0 5	22 28	1 5	11 27	1 16	11 20	2 24	5 17	0 47	22 35	0 45	16 18	17 4	11 11	10 42	3 57	2 52	5 13
T 14	20 57	17 23	2 32	22 12	1 8	7 2	0s 1	22 21	1 5	11 29	1 16	11 21	2 25	5 17	0 47	22 35	0 45	16 18	17 4	11 12	10 43	3 55	2 52	5 13
W15	20 46	15 14	1 30	22 22	0 54	6 33	0 6	22 14	1 5	11 31	1 16	11 22	2 25	5 18	0 47	22 35	0 45	16 19	17 5	11 13	10 44	3 53	2 53	5 13
T 16	20 34	12 26	0 25	22 30	0 39	6 5	0 12	22 7	1 6	11 33	1 16	11 23	2 25	5 18	0 47	22 35	0 45	16 19	17 5	11 14	10 46	3 52	2 53	5 13
F 17	20 23	9 9	0n40	22 37	0 25	5 36	0 18	22 0	1 6	11 35	1 17	11 24	2 25	5 19	0 48	22 34	0 45	16 20	17 5	11 14	10 47	3 50	2 54	5 13
S 18	20 10	5 32	1 44	22 42	0 12	5 8	0 23	21 53	1 6	11 37	1 17	11 24	2 26	5 19	0 48	22 34	0 45	16 20	17 6	11 13	10 48	3 48	2 55	5 14
S 19	19 58	1 44	2 42	22 45	0n 1	4 39	0 29	21 45	1 6	11 39	1 17	11 25	2 26	5 20	0 48	22 34	0 45	16 21	17 6	11 13	10 49	3 46	2 55	5 14
M20	19 45	2s 9	3 34	22 45	0 14	4 11	0 35	21 37	1 6	11 40	1 17	11 26	2 26	5 21	0 48	22 34	0 45	16 21	17 6	11 12	10 50	3 44	2 56	5 14
T 21	19 32	5 58	4 17	22 43	0 26	3 42	0 42	21 30	1 7	11 42	1 17	11 26	2 26	5 21	0 48	22 34	0 45	16 22	17 6	11 12	10 51	3 42	2 57	5 14
W22	19 18	9 35	4 49	22 39	0 37	3 14	0 48	21 22	1 7	11 44	1 17	11 27	2 27	5 22	0 48	22 34	0 45	16 22	17 7	11 12	10 52	3 40	2 57	5 14
T 23	19 4	12 53	5 9	22 32	0 47	2 45	0 54	21 14	1 7	11 45	1 18	11 27	2 27	5 22	0 48	22 34	0 45	16 23	17 7	11 12	10 54	3 38	2 58	5 14
F 24	18 50	15 40	5 15	22 22	0 57	2 17	1 1	21 5	1 7	11 47	1 18	11 28	2 27	5 23	0 48	22 34	0 45	16 23	17 7	11 13	10 55	3 36	2 59	5 14
S 25	18 36	17 45	5 4	22 10	1 5	1 48	1 7	20 57	1 7	11 48	1 18	11 28	2 27	5 24	0 48	22 34	0 45	16 24	17 8	11 14	10 56	3 34	2 59	5 15
S 26	18 21	18 56	4 37	21 55	1 13	1 20	1 14	20 48	1 7	11 50	1 18	11 29	2 27	5 24	0 48	22 33	0 45	16 24	17 8	11 15	10 57	3 32	3 0	5 15
M27	18 6	19 2	3 53	21 37	1 20	0 51	1 21	20 40	1 8	11 51	1 18	11 29	2 28	5 25	0 48	22 33	0 45	16 25	17 8	11 16	10 58	3 30	3 1	5 15
T 28	17 50	17 56	2 53	21 16	1 26	0 23	1 28	20 31	1 8	11 52	1 19	11 29	2 28	5 26	0 48	22 33	0 45	16 25	17 9	11 17	10 59	3 29	3 2	5 15
W29	17 35	15 39	1 41	20 54	1 32	0s 5	1 35	20 22	1 8	11 53	1 19	11 30	2 28	5 26	0 48	22 33	0 45	16 26	17 9	11 18	11 0	3 27	3 2	5 15
T 30	17 19	12 18	0 21	20 28	1 36	0 33	1 42	20 13	1 8	11 55	1 19	11 30	2 28	5 27	0 48	22 33	0 45	16 26	17 9	11 18	11 2	3 25	3 3	5 15
F 31	17n 2	8s 9	1s 1	20n 1	1n40	1s 1	1s49	20n 3	1n 8	11n56	1s19	11n30	2s29	5s28	0s48	22n33	0s45	16s27	17s 9	11n18	11n 3	3n23	3s 4	5n15

Julian Day Number = 2117900.5, Delta T = 18m27s
Ecliptic obliquity = 23°33'19, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°00'21, Lahiri = 11°07'21 Julian Calendar 1 July 1086 == Greg. Calendar 7 July 1086

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1086
geocentric

AUGUST 1086 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 0 56	13♌48'02	26♓28	9♌48	29♍16	6♌16	4♉49	6♉49	18°R 4	8♋20	28°R 4	0♍40	1♍18	26♍42	9°R45	S 1
S 2	21 4 52	14°45'48	11♈ 6	11°49	0♎ 8	6°54	4°53	6°50	18♓ 2	8°21	28♓ 4	0°41	1°15	26°48	9♓43	S 2
M 3	21 8 49	15°43'37	25°32	13°49	1° 0	7°32	4°56	6°51	18° 0	8°23	28° 3	0°42	1°12	26°55	9°40	M 3
T 4	21 12 45	16°41'27	9♉40	15°49	1°51	8°10	4°59	6°52	17°58	8°25	28° 2	0°43	1° 9	27° 2	9°38	T 4
W 5	21 16 42	17°39'19	23°29	17°48	2°41	8°48	5° 2	6°53	17°56	8°27	28° 1	0°R43	1° 6	27° 8	9°35	W 5
T 6	21 20 38	18°37'13	7♊ 1	19°46	3°31	9°27	5° 5	6°54	17°54	8°29	28° 0	0°42	1° 2	27°15	9°33	T 6
F 7	21 24 35	19°35'08	20°15	21°42	4°20	10° 5	5° 7	6°55	17°52	8°31	27°59	0°41	0°59	27°22	9°30	F 7
S 8	21 28 31	20°33'06	3♋12	23°38	5° 9	10°43	5°10	6°56	17°50	8°32	27°59	0°40	0°56	27°28	9°27	S 8
S 9	21 32 28	21°31'06	15°54	25°33	5°56	11°21	5°12	6°56	17°48	8°34	27°58	0°38	0°53	27°35	9°25	S 9
M10	21 36 25	22°29'07	28°24	27°26	6°43	11°59	5°14	6°57	17°46	8°36	27°57	0°37	0°50	27°42	9°22	M10
T 11	21 40 21	23°27'10	10♌41	29°18	7°29	12°38	5°15	6°57	17°44	8°38	27°56	0°37	0°46	27°48	9°19	T 11
W12	21 44 18	24°25'15	22°48	1♍ 9	8°14	13°16	5°17	6°57	17°41	8°39	27°55	0°36	0°43	27°55	9°16	W12
T 13	21 48 14	25°23'21	4♍48	2°59	8°59	13°54	5°18	6°57	17°39	8°41	27°54	0°D36	0°40	28° 2	9°14	T 13
F 14	21 52 11	26°21'29	16°40	4°47	9°42	14°32	5°19	6°R58	17°37	8°43	27°53	0°36	0°37	28° 8	9°11	F 14
S 15	21 56 7	27°19'39	28°29	6°34	10°25	15°10	5°20	6°57	17°35	8°44	27°52	0°37	0°34	28°15	9° 8	S 15
S 16	22 0 4	28°17'50	10♎17	8°20	11° 6	15°48	5°21	6°57	17°33	8°46	27°51	0°37	0°31	28°22	9° 5	S 16
M17	22 4 0	29°16'03	22° 6	10° 5	11°46	16°27	5°21	6°57	17°30	8°47	27°50	0°37	0°27	28°28	9° 3	M17
T 18	22 7 57	0♍14'17	4♏ 2	11°49	12°26	17° 5	5°22	6°57	17°28	8°49	27°49	0°R37	0°24	28°35	9° 0	T 18
W19	22 11 54	1°12'34	16° 6	13°31	13° 4	17°43	5°R22	6°56	17°26	8°50	27°48	0°37	0°21	28°41	8°57	W19
T 20	22 15 50	2°10'51	28°25	15°12	13°41	18°21	5°22	6°55	17°24	8°52	27°47	0°D37	0°18	28°48	8°54	T 20
F 21	22 19 47	3° 9'11	11♐ 2	16°53	14°17	18°59	5°22	6°55	17°21	8°53	27°46	0°37	0°15	28°55	8°51	F 21
S 22	22 23 43	4° 7'32	24° 1	18°31	14°52	19°37	5°21	6°54	17°19	8°55	27°45	0°37	0°12	29° 1	8°48	S 22
S 23	22 27 40	5° 5'54	7♑25	20° 9	15°25	20°15	5°20	6°53	17°17	8°56	27°44	0°38	0° 8	29° 8	8°46	S 23
M24	22 31 36	6° 4'18	21°16	21°46	15°57	20°53	5°20	6°52	17°14	8°58	27°43	0°38	0° 5	29°15	8°43	M24
T 25	22 35 33	7° 2'44	5♒34	23°22	16°27	21°32	5°19	6°51	17°12	8°59	27°42	0°39	0° 2	29°21	8°40	T 25
W26	22 39 29	8° 1'12	20°15	24°56	16°56	22°10	5°17	6°49	17°10	9° 0	27°40	0°39	29♌59	29°28	8°37	W26
T 27	22 43 26	8°59'41	5♓13	26°30	17°24	22°48	5°16	6°48	17° 7	9° 2	27°39	0°R39	29°56	29°35	8°34	T 27
F 28	22 47 22	9°58'13	20°21	28° 2	17°49	23°26	5°14	6°47	17° 5	9° 3	27°38	0°39	29°52	29°41	8°31	F 28
S 29	22 51 19	10°56'46	5♈30	29°33	18°14	24° 4	5°12	6°45	17° 2	9° 4	27°37	0°38	29°49	29°48	8°28	S 29
S 30	22 55 16	11°55'21	20°30	1♏ 3	18°36	24°42	5°10	6°43	17° 0	9° 5	27°36	0°37	29°46	29°55	8°26	S 30
M31	22 59 12	12♍53'59	5♉14	2♏33	18♏57	25♌20	5♉ 8	6♉42	16♓58	9♋ 7	27♓35	0♍35	29♌43	0♎ 1	8♓23	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n46	3s31	2s18	19n31	1n42	1s29	1s57	19n54	1n 8	11n57	1s20	11n31	2s29	5s29	0s48	22n33	0s45	16s27	17s10	11n18	11n 4	3n21	3s 5	5n15
S 2	16 29	1n16	3 26	19 0	1 44	1 57	2 4	19 44	1 8	11 58	1 20	11 31	2 29	5 29	0 48	22 33	0 45	16 28	17 10	11 17	11 5	3 19	3 6	5 15
M 3	16 12	5 54	4 19	18 27	1 46	2 24	2 11	19 35	1 9	11 58	1 20	11 31	2 29	5 30	0 48	22 32	0 45	16 29	17 10	11 17	11 6	3 17	3 7	5 15
T 4	15 55	10 6	4 56	17 52	1 46	2 52	2 19	19 25	1 9	11 59	1 20	11 31	2 30	5 31	0 48	22 32	0 45	16 29	17 10	11 17	11 7	3 15	3 8	5 15
W 5	15 37	13 40	5 14	17 15	1 46	3 19	2 27	19 15	1 9	12 0	1 20	11 31	2 30	5 32	0 48	22 32	0 45	16 30	17 11	11 16	11 8	3 13	3 8	5 16
T 6	15 19	16 25	5 15	16 38	1 46	3 46	2 35	19 5	1 9	12 1	1 21	11 31	2 30	5 33	0 48	22 32	0 45	16 30	17 11	11 17	11 9	3 11	3 9	5 16
F 7	15 1	18 14	4 59	15 59	1 44	4 13	2 43	18 55	1 9	12 1	1 21	11 31	2 30	5 33	0 48	22 32	0 45	16 31	17 11	11 17	11 11	3 9	3 10	5 16
S 8	14 43	19 4	4 27	15 19	1 42	4 40	2 50	18 44	1 9	12 2	1 21	11 31	2 31	5 34	0 48	22 32	0 45	16 31	17 11	11 18	11 12	3 7	3 11	5 16
S 9	14 24	18 54	3 43	14 38	1 40	5 6	2 59	18 34	1 9	12 3	1 21	11 31	2 31	5 35	0 48	22 32	0 45	16 32	17 12	11 18	11 13	3 5	3 12	5 16
M10	14 5	17 49	2 50	13 56	1 37	5 32	3 7	18 23	1 9	12 3	1 21	11 31	2 31	5 36	0 48	22 32	0 45	16 33	17 12	11 18	11 14	3 3	3 13	5 16
T 11	13 46	15 54	1 48	13 14	1 34	5 58	3 15	18 13	1 10	12 3	1 22	11 31	2 31	5 37	0 48	22 31	0 45	16 33	17 12	11 19	11 15	3 2	3 14	5 16
W12	13 27	13 18	0 43	12 31	1 30	6 24	3 23	18 2	1 10	12 4	1 22	11 31	2 32	5 38	0 48	22 31	0 45	16 34	17 12	11 19	11 16	3 0	3 15	5 16
T 13	13 7	10 10	0n23	11 48	1 26	6 49	3 32	17 51	1 10	12 4	1 22	11 31	2 32	5 38	0 48	22 31	0 45	16 34	17 13	11 19	11 17	2 58	3 16	5 16
F 14	12 47	6 38	1 28	11 4	1 21	7 14	3 40	17 40	1 10	12 4	1 22	11 30	2 32	5 39	0 48	22 31	0 45	16 35	17 13	11 19	11 18	2 56	3 17	5 16
S 15	12 28	2 53	2 29	10 19	1 16	7 38	3 48	17 29	1 10	12 4	1 22	11 30	2 32	5 40	0 48	22 31	0 45	16 35	17 13	11 19	11 20	2 54	3 18	5 16
S 16	12 7	0s59	3 23	9 35	1 11	8 3	3 57	17 17	1 10	12 4	1 23	11 30	2 33	5 41	0 48	22 31	0 45	16 36	17 13	11 19	11 21	2 52	3 19	5 16
M17	11 47	4 48	4 9	8 50	1 5	8 26	4 6	17 6	1 10	12 4	1 23	11 30	2 33	5 42	0 48	22 31	0 45	16 37	17 13	11 18	11 22	2 50	3 20	5 16
T 18	11 27	8 28	4 44	8 5	1 0	8 50	4 14	16 55	1 10	12 4	1 23	11 29	2 33	5 43	0 48	22 31	0 45	16 37	17 14	11 18	11 23	2 48	3 21	5 16
W19	11 6	11 49	5 8	7 20	0 54	9 13	4 23	16 43	1 10	12 4	1 23	11 29	2 33	5 44	0 48	22 31	0 45	16 38	17 14	11 18	11 24	2 46	3 22	5 16
T 20	10 45	14 44	5 18	6 35	0 47	9 36	4 32	16 31	1 11	12 4	1 23	11 28	2 34	5 45	0 48	22 30	0 45	16 38	17 14	11 18	11 25	2 44	3 23	5 16
F 21	10 24	17 3	5 13	5 50	0 41	9 58	4 41	16 19	1 11	12 4	1 24	11 28	2 34	5 46	0 48	22 30	0 45	16 39	17 14	11 18	11 26	2 42	3 24	5 16
S 22	10 3	18 34	4 52	5 5	0 34	10 19	4 49	16 7	1 11	12 3	1 24	11 27	2 34	5 46	0 48	22 30	0 45	16 39	17 14	11 18	11 28	2 40	3 26	5 16
S 23	9 41	19 6	4 15	4 20	0 27	10 40	4 58	15 55	1 11	12 3	1 24	11 27	2 34	5 47	0 48	22 30	0 45	16 40	17 14	11 18	11 29	2 38	3 27	5 16
M24	9 20	18 32	3 22	3 36	0 20	11 1	5 7	15 43	1 11	12 2	1 24	11 26	2 34	5 48	0 48	22 30	0 45	16 41	17 14	11 18	11 30	2 36	3 28	5 16
T 25	8 58	16 47	2 15	2 51	0 13	11 21	5 16	15 31	1 11	12 2	1 24	11 26	2 35	5 49	0 48	22 30	0 45	16 41	17 15	11 18	11 31	2 34	3 29	5 16
W26	8 36	13 54	0 58	2 7	0 6	11 40	5 25	15 19	1 11	12 1	1 25	11 25	2 35	5 50	0 48	22 30	0 45	16 42	17 15	11 18	11 32	2 32	3 30	5 16
T 27	8 14	10 2	0s25	1 23	0s 1	11 59	5 33	15 6	1 11	12 1	1 25	11 25	2 35	5 51	0 48	22 30	0 45	16 42	17 15	11 18	11 33	2 30	3 31	5 16
F 28	7 52	5 29	1 47	0 39	0 9	12 17	5 42	14 54	1 11	12 0	1 25	11 24	2 35	5 52	0 48	22 30	0 45	16 43	17 15	11 18	11 34	2 28	3 32	5 16
S 29	7 30	0 35	3 2	0s 4	0 16	12 35	5 51	14 41	1 11	11 59	1 25	11 23	2 36	5 53	0 48	22 30	0 45	16 43	17 15	11 18	11 35	2 26	3 33	5 16
S 30	7 7	4n18	4 3	0 47	0 24	12 51	6 0	14 28	1 11	11 58	1 25	11 22	2 36	5 54	0 48	22 29	0 45	16 44	17 15	11 19	11 36	2 24	3 34	5 15
M31	6n45	8n50	4s47	1s30	0s32	13s 7	6s 8	14n16	1n11	11n57	1s25	11n22	2s36	5s55	0s48	22n29	0s45	16s44	17s15	11n19	11n38	2n23	3s35	5n15

Julian Day Number = 2117931.5, Delta T = 18m27s
Ecliptic obliquity = 23°33'20, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°00'25, Lahiri = 11°07'25 Julian Calendar 1 Aug. 1086 == Greg. Calendar 7 Aug. 1086

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1086
geocentric

SEPTEMBER 1086 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 3 9	13♍52'39	19♉36	4♎ 1	19♎16	25♌58	5°R 5	6°R40	16°R55	9♋ 8	27°R34	0°R34	29♌40	0♎ 8	8°R20	T 1
W 2	23 7 5	14°51'21	3♊32	5°28	19°33	26°36	5♉ 3	6♉38	16♓53	9° 9	27♓33	0♍33	29°37	0°15	8♓17	W 2
T 3	23 11 2	15°50'05	17° 4	6°54	19°48	27°14	5° 0	6°36	16°50	9°10	27°31	0°D33	29°33	0°21	8°14	T 3
F 4	23 14 58	16°48'52	0♋12	8°19	20° 1	27°52	4°57	6°33	16°48	9°11	27°30	0°33	29°30	0°28	8°11	F 4
S 5	23 18 55	17°47'42	12°59	9°42	20°12	28°30	4°54	6°31	16°45	9°12	27°29	0°34	29°27	0°35	8° 9	S 5
S 6	23 22 51	18°46'33	25°28	11° 5	20°21	29° 8	4°50	6°29	16°43	9°13	27°28	0°36	29°24	0°41	8° 6	S 6
M 7	23 26 48	19°45'27	7♌43	12°26	20°28	29°47	4°47	6°26	16°41	9°14	27°27	0°37	29°21	0°48	8° 3	M 7
T 8	23 30 45	20°44'23	19°48	13°47	20°33	0♍25	4°43	6°24	16°38	9°15	27°26	0°38	29°18	0°55	8° 0	T 8
W 9	23 34 41	21°43'21	1♍44	15° 5	20°35	1° 3	4°39	6°21	16°36	9°16	27°25	0°R39	29°14	1° 1	7°58	W 9
T 10	23 38 38	22°42'21	13°36	16°23	20°R35	1°41	4°35	6°18	16°33	9°17	27°23	0°38	29°11	1° 8	7°55	T 10
F 11	23 42 34	23°41'23	25°25	17°39	20°33	2°19	4°30	6°15	16°31	9°18	27°22	0°36	29° 8	1°15	7°52	F 11
S 12	23 46 31	24°40'28	7♎13	18°54	20°28	2°57	4°26	6°13	16°29	9°19	27°21	0°33	29° 5	1°21	7°49	S 12
S 13	23 50 27	25°39'34	19° 3	20° 7	20°21	3°35	4°21	6°10	16°26	9°20	27°20	0°29	29° 2	1°28	7°47	S 13
M14	23 54 24	26°38'43	0♏56	21°18	20°11	4°13	4°16	6° 6	16°24	9°20	27°19	0°25	28°58	1°35	7°44	M14
T 15	23 58 20	27°37'53	12°55	22°28	19°59	4°51	4°11	6° 3	16°22	9°21	27°17	0°20	28°55	1°41	7°41	T 15
W16	0 2 17	28°37'05	25° 2	23°36	19°45	5°29	4° 6	6° 0	16°19	9°22	27°16	0°16	28°52	1°48	7°39	W16
T 17	0 6 14	29°36'19	7♐22	24°42	19°29	6° 7	4° 0	5°57	16°17	9°23	27°15	0°13	28°49	1°55	7°36	T 17
F 18	0 10 10	0♎35'36	19°56	25°45	19°10	6°45	3°55	5°53	16°15	9°23	27°14	0°11	28°46	2° 1	7°34	F 18
S 19	0 14 7	1°34'53	2♑49	26°46	18°48	7°23	3°49	5°50	16°12	9°24	27°13	0°D10	28°43	2° 8	7°31	S 19
S 20	0 18 3	2°34'13	16° 5	27°45	18°25	8° 1	3°43	5°46	16°10	9°24	27°12	0°11	28°39	2°15	7°29	S 20
M21	0 22 0	3°33'35	29°45	28°41	18° 0	8°39	3°37	5°42	16° 8	9°25	27°10	0°12	28°36	2°21	7°26	M21
T 22	0 25 56	4°32'58	13♒51	29°33	17°32	9°17	3°31	5°39	16° 5	9°25	27° 9	0°14	28°33	2°28	7°24	T 22
W23	0 29 53	5°32'23	28°24	0♏22	17° 3	9°56	3°25	5°35	16° 3	9°26	27° 8	0°R15	28°30	2°35	7°21	W23
T 24	0 33 49	6°31'50	13♓18	1° 8	16°32	10°34	3°18	5°31	16° 1	9°26	27° 7	0°14	28°27	2°41	7°19	T 24
F 25	0 37 46	7°31'19	28°28	1°49	16° 0	11°12	3°12	5°27	15°59	9°27	27° 6	0°12	28°23	2°48	7°16	F 25
S 26	0 41 42	8°30'49	13♈45	2°26	15°26	11°50	3° 5	5°23	15°57	9°27	27° 5	0° 8	28°20	2°55	7°14	S 26
S 27	0 45 39	9°30'22	28°58	2°58	14°51	12°28	2°58	5°19	15°54	9°28	27° 3	0° 2	28°17	3° 1	7°12	S 27
M28	0 49 36	10°29'58	13♉56	3°24	14°16	13° 6	2°51	5°15	15°52	9°28	27° 2	29♌56	28°14	3° 8	7°10	M28
T 29	0 53 32	11°29'35	28°33	3°45	13°39	13°44	2°44	5°11	15°50	9°28	27° 1	29°50	28°11	3°15	7° 7	T 29
W30	0 57 29	12♎29'15	12♊41	3♏59	13♎ 3	14♍22	2♉37	5♉ 6	15♓48	9♋28	27♓ 0	29♌45	28♌ 8	3♎21	7♓ 5	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n22	12n43	5s11	2s12	0s39	13s22	6s17	14n 3	1n11	11n56	1s26	11n21	2s36	5s56	0s48	22n29	0s45	16s45	17s15	11n20	11n39	2n21	3s37	5n15
W 2	6 0	15 47	5 16	2 54	0 47	13 37	6 25	13 50	1 12	11 55	1 26	11 20	2 36	5 57	0 48	22 29	0 45	16 45	17 16	11 20	11 40	2 19	3 38	5 15
T 3	5 37	17 53	5 4	3 35	0 55	13 50	6 33	13 37	1 12	11 54	1 26	11 19	2 37	5 58	0 48	22 29	0 45	16 46	17 16	11 20	11 41	2 17	3 39	5 15
F 4	5 14	18 58	4 36	4 16	1 3	14 2	6 41	13 23	1 12	11 53	1 26	11 18	2 37	5 59	0 48	22 29	0 45	16 47	17 16	11 20	11 42	2 15	3 40	5 15
S 5	4 51	19 2	3 54	4 56	1 10	14 14	6 49	13 10	1 12	11 52	1 26	11 17	2 37	6 0	0 48	22 29	0 45	16 47	17 16	11 19	11 43	2 13	3 41	5 15
S 6	4 28	18 9	3 3	5 36	1 18	14 24	6 57	12 57	1 12	11 50	1 27	11 16	2 37	6 0	0 48	22 29	0 45	16 48	17 16	11 19	11 44	2 11	3 42	5 15
M 7	4 5	16 26	2 3	6 15	1 26	14 34	7 4	12 43	1 12	11 49	1 27	11 15	2 37	6 1	0 48	22 29	0 45	16 48	17 16	11 18	11 45	2 9	3 43	5 15
T 8	3 41	14 0	1 0	6 53	1 33	14 42	7 11	12 30	1 12	11 48	1 27	11 14	2 38	6 2	0 48	22 29	0 45	16 49	17 16	11 18	11 47	2 7	3 45	5 15
W 9	3 18	11 0	0n 6	7 31	1 41	14 49	7 18	12 16	1 12	11 46	1 27	11 13	2 38	6 3	0 48	22 29	0 45	16 49	17 16	11 18	11 48	2 5	3 46	5 14
T 10	2 55	7 34	1 11	8 8	1 48	14 55	7 25	12 3	1 12	11 45	1 27	11 12	2 38	6 4	0 48	22 28	0 45	16 50	17 16	11 18	11 49	2 3	3 47	5 14
F 11	2 31	3 51	2 12	8 44	1 55	15 0	7 31	11 49	1 12	11 43	1 27	11 11	2 38	6 5	0 48	22 28	0 45	16 50	17 16	11 19	11 50	2 1	3 48	5 14
S 12	2 8	0s 0	3 8	9 19	2 2	15 4	7 36	11 35	1 12	11 41	1 27	11 10	2 38	6 6	0 48	22 28	0 45	16 51	17 16	11 20	11 51	1 59	3 49	5 14
S 13	1 44	3 52	3 56	9 54	2 9	15 6	7 42	11 22	1 12	11 40	1 28	11 9	2 39	6 7	0 48	22 28	0 45	16 51	17 16	11 21	11 52	1 57	3 50	5 14
M14	1 20	7 35	4 33	10 27	2 16	15 7	7 47	11 8	1 12	11 38	1 28	11 8	2 39	6 8	0 48	22 28	0 45	16 52	17 16	11 23	11 53	1 55	3 51	5 14
T 15	0 57	11 2	4 59	11 0	2 23	15 6	7 51	10 54	1 12	11 36	1 28	11 6	2 39	6 9	0 48	22 28	0 45	16 52	17 16	11 24	11 54	1 53	3 52	5 14
W16	0 33	14 4	5 12	11 31	2 29	15 4	7 55	10 40	1 12	11 34	1 28	11 5	2 39	6 10	0 48	22 28	0 45	16 53	17 16	11 26	11 55	1 51	3 54	5 13
T 17	0 9	16 32	5 11	12 1	2 35	15 1	7 58	10 26	1 12	11 32	1 28	11 4	2 39	6 11	0 48	22 28	0 45	16 53	17 16	11 27	11 57	1 49	3 55	5 13
F 18	0s14	18 16	4 55	12 30	2 41	14 56	8 0	10 11	1 12	11 30	1 28	11 3	2 39	6 12	0 48	22 28	0 45	16 53	17 16	11 28	11 58	1 47	3 56	5 13
S 19	0 38	19 8	4 24	12 58	2 47	14 49	8 2	9 57	1 12	11 28	1 28	11 1	2 39	6 12	0 48	22 28	0 46	16 54	17 16	11 28	11 59	1 45	3 57	5 13
S 20	1 2	18 58	3 38	13 24	2 52	14 41	8 3	9 43	1 12	11 26	1 28	11 0	2 40	6 13	0 48	22 28	0 46	16 54	17 16	11 28	12 0	1 43	3 58	5 13
M21	1 25	17 43	2 39	13 49	2 57	14 31	8 4	9 29	1 12	11 24	1 28	10 59	2 40	6 14	0 48	22 28	0 46	16 55	17 16	11 27	12 1	1 41	3 59	5 13
T 22	1 49	15 20	1 28	14 12	3 1	14 20	8 3	9 14	1 12	11 22	1 29	10 57	2 40	6 15	0 48	22 28	0 46	16 55	17 16	11 27	12 2	1 39	4 0	5 12
W23	2 13	11 56	0 10	14 33	3 5	14 8	8 2	9 0	1 12	11 20	1 29	10 56	2 40	6 16	0 48	22 28	0 46	16 56	17 16	11 26	12 3	1 37	4 1	5 12
T 24	2 36	7 41	1s11	14 52	3 9	13 54	8 0	8 45	1 12	11 17	1 29	10 54	2 40	6 17	0 48	22 28	0 46	16 56	17 16	11 27	12 4	1 35	4 2	5 12
F 25	3 0	2 52	2 28	15 9	3 12	13 38	7 57	8 31	1 12	11 15	1 29	10 53	2 40	6 18	0 48	22 28	0 46	16 56	17 16	11 27	12 5	1 33	4 3	5 12
S 26	3 24	2n 9	3 35	15 24	3 14	13 21	7 53	8 16	1 12	11 13	1 29	10 52	2 40	6 18	0 48	22 28	0 46	16 57	17 16	11 29	12 7	1 31	4 5	5 11
S 27	3 47	7 1	4 26	15 37	3 15	13 3	7 48	8 2	1 12	11 10	1 29	10 50	2 40	6 19	0 48	22 27	0 46	16 57	17 16	11 31	12 8	1 29	4 6	5 11
M28	4 11	11 21	4 58	15 46	3 16	12 44	7 42	7 47	1 12	11 8	1 29	10 49	2 41	6 20	0 48	22 27	0 46	16 58	17 16	11 33	12 9	1 27	4 7	5 11
T 29	4 34	14 53	5 10	15 53	3 15	12 24	7 36	7 32	1 12	11 5	1 29	10 47	2 41	6 21	0 48	22 27	0 46	16 58	17 16	11 35	12 10	1 25	4 8	5 11
W30	4s57	17n26	5s 2	15s56	3s14	12s 3	7s28	7n18	1n12	11n 3	1s29	10n46	2s41	6s22	0s48	22n27	0s46	16s58	17s15	11n37	12n11	1n23	4s 9	5n11

Julian Day Number = 2117962.5, Delta T = 18m26s
Ecliptic obliquity = 23°33'20, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°00'29, Lahiri = 11°07'30 Julian Calendar 1 Sept. 1086 == Greg. Calendar 7 Sept. 1086

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1086
geocentric

OCTOBER 1086 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 1 25	13♎28'57	26♊20	4°R 6	12°R26	15♍ 0	2°R30	5°R 2	15°R46	9♋29	26°R59	29°R42	28♌ 4	3♎28	7°R 3	T 1
F 2	1 5 22	14°28'41	9♋31	4♏ 5	11♎50	15°38	2♉23	4♉58	15♓44	9°29	26♓58	29°D40	28° 1	3°35	7♓ 1	F 2
S 3	1 9 18	15°28'28	22°16	3°56	11°13	16°16	2°15	4°53	15°42	9°29	26°57	29♌40	27°58	3°41	6°59	S 3
S 4	1 13 15	16°28'17	4♌41	3°39	10°38	16°54	2° 7	4°49	15°40	9°29	26°56	29°41	27°55	3°48	6°57	S 4
M 5	1 17 11	17°28'08	16°50	3°13	10° 3	17°32	2° 0	4°44	15°38	9°29	26°55	29°43	27°52	3°55	6°55	M 5
T 6	1 21 8	18°28'02	28°47	2°38	9°30	18°10	1°52	4°40	15°36	9°29	26°53	29°R43	27°49	4° 2	6°53	T 6
W 7	1 25 5	19°27'57	10♍38	1°53	8°57	18°48	1°44	4°35	15°34	9°R29	26°52	29°43	27°45	4° 8	6°51	W 7
T 8	1 29 1	20°27'55	22°25	1° 0	8°27	19°26	1°36	4°30	15°32	9°29	26°51	29°40	27°42	4°15	6°49	T 8
F 9	1 32 58	21°27'55	4♎13	29♎59	7°57	20° 4	1°29	4°26	15°31	9°29	26°50	29°35	27°39	4°22	6°47	F 9
S 10	1 36 54	22°27'56	16° 4	28°51	7°30	20°42	1°21	4°21	15°29	9°29	26°49	29°27	27°36	4°28	6°45	S 10
S 11	1 40 51	23°28'00	27°59	27°38	7° 5	21°20	1°13	4°16	15°27	9°29	26°48	29°17	27°33	4°35	6°44	S 11
M12	1 44 47	24°28'06	10♏ 0	26°22	6°41	21°59	1° 5	4°12	15°25	9°29	26°47	29° 6	27°29	4°42	6°42	M12
T 13	1 48 44	25°28'13	22° 8	25° 4	6°20	22°37	0°56	4° 7	15°24	9°29	26°46	28°55	27°26	4°48	6°40	T 13
W14	1 52 40	26°28'23	4♐25	23°47	6° 1	23°15	0°48	4° 2	15°22	9°28	26°45	28°45	27°23	4°55	6°39	W14
T 15	1 56 37	27°28'34	16°52	22°34	5°45	23°53	0°40	3°57	15°20	9°28	26°44	28°36	27°20	5° 2	6°37	T 15
F 16	2 0 34	28°28'47	29°31	21°27	5°31	24°31	0°32	3°52	15°19	9°28	26°43	28°30	27°17	5° 8	6°36	F 16
S 17	2 4 30	29°29'01	12♑25	20°28	5°19	25° 9	0°24	3°47	15°17	9°27	26°42	28°26	27°14	5°15	6°34	S 17
S 18	2 8 27	0♏29'17	25°35	19°38	5°10	25°47	0°16	3°43	15°16	9°27	26°41	28°D25	27°10	5°22	6°33	S 18
M19	2 12 23	1°29'34	9♒ 6	18°59	5° 3	26°25	0° 7	3°38	15°14	9°27	26°40	28°25	27° 7	5°28	6°32	M19
T 20	2 16 20	2°29'53	22°58	18°32	4°59	27° 3	29♈59	3°33	15°13	9°26	26°39	28°R25	27° 4	5°35	6°30	T 20
W21	2 20 16	3°30'13	7♓14	18°16	4°D57	27°41	29°51	3°28	15°11	9°26	26°38	28°25	27° 1	5°42	6°29	W21
T 22	2 24 13	4°30'35	21°51	18°D12	4°57	28°19	29°43	3°23	15°10	9°25	26°38	28°23	26°58	5°48	6°28	T 22
F 23	2 28 9	5°30'58	6♈46	18°19	5° 0	28°57	29°35	3°18	15° 9	9°25	26°37	28°18	26°54	5°55	6°27	F 23
S 24	2 32 6	6°31'23	21°52	18°37	5° 6	29°35	29°27	3°13	15° 8	9°24	26°36	28°11	26°51	6° 2	6°26	S 24
S 25	2 36 2	7°31'49	7♉ 0	19° 4	5°13	0♎13	29°19	3° 8	15° 6	9°24	26°35	28° 2	26°48	6° 8	6°25	S 25
M26	2 39 59	8°32'17	21°59	19°40	5°23	0°51	29°11	3° 4	15° 5	9°23	26°34	27°51	26°45	6°15	6°24	M26
T 27	2 43 56	9°32'47	6♊40	20°24	5°35	1°29	29° 3	2°59	15° 4	9°22	26°33	27°40	26°42	6°22	6°23	T 27
W28	2 47 52	10°33'18	20°56	21°15	5°50	2° 7	28°55	2°54	15° 3	9°22	26°33	27°30	26°39	6°28	6°22	W28
T 29	2 51 49	11°33'52	4♋43	22°12	6° 6	2°45	28°47	2°49	15° 2	9°21	26°32	27°23	26°35	6°35	6°21	T 29
F 30	2 55 45	12°34'27	18° 0	23°14	6°24	3°23	28°40	2°44	15° 1	9°20	26°31	27°18	26°32	6°42	6°21	F 30
S 31	2 59 42	13♏35'04	0♌50	24♎22	6♎45	4♎ 1	28♈32	2♉40	15♓ 0	9♋19	26♓30	27♌16	26♌29	6♎48	6♓20	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s21	18n53	4s37	15s56	3s11	11s40	7s20	7n 3	1n12	11n 0	1s29	10n44	2s41	6s22	0s48	22n27	0s46	16s59	17s15	11n38	12n12	1n21	4s10	5n10
F 2	5 44	19 15	3 58	15 52	3 7	11 18	7 11	6 48	1 12	10 58	1 29	10 43	2 41	6 23	0 48	22 27	0 46	16 59	17 15	11 39	12 13	1 19	4 11	5 10
S 3	6 7	18 36	3 9	15 44	3 2	10 54	7 1	6 33	1 12	10 55	1 29	10 41	2 41	6 24	0 48	22 27	0 46	16 59	17 15	11 39	12 14	1 17	4 12	5 10
S 4	6 30	17 4	2 11	15 32	2 55	10 30	6 50	6 18	1 12	10 53	1 29	10 40	2 41	6 25	0 48	22 27	0 46	17 0	17 15	11 38	12 15	1 15	4 13	5 10
M 5	6 53	14 46	1 9	15 15	2 46	10 6	6 39	6 3	1 12	10 50	1 29	10 38	2 41	6 25	0 48	22 27	0 46	17 0	17 15	11 38	12 16	1 13	4 14	5 9
T 6	7 16	11 52	0 5	14 53	2 36	9 42	6 27	5 48	1 12	10 47	1 29	10 36	2 41	6 26	0 48	22 27	0 46	17 0	17 15	11 37	12 18	1 11	4 15	5 9
W 7	7 39	8 31	0n59	14 26	2 24	9 18	6 14	5 33	1 12	10 45	1 29	10 35	2 41	6 27	0 48	22 27	0 46	17 1	17 15	11 38	12 19	1 9	4 15	5 9
T 8	8 2	4 51	1 59	13 55	2 10	8 53	6 1	5 18	1 12	10 42	1 29	10 33	2 41	6 28	0 48	22 27	0 46	17 1	17 14	11 39	12 20	1 7	4 16	5 9
F 9	8 25	0 59	2 55	13 18	1 55	8 29	5 48	5 3	1 12	10 39	1 29	10 32	2 41	6 28	0 48	22 27	0 46	17 1	17 14	11 41	12 21	1 5	4 17	5 8
S 10	8 47	2s55	3 43	12 38	1 37	8 6	5 34	4 48	1 12	10 36	1 29	10 30	2 41	6 29	0 48	22 27	0 46	17 1	17 14	11 43	12 22	1 3	4 18	5 8
S 11	9 9	6 45	4 21	11 54	1 19	7 43	5 20	4 33	1 12	10 34	1 29	10 28	2 41	6 30	0 48	22 27	0 46	17 2	17 14	11 47	12 23	1 1	4 19	5 8
M12	9 32	10 20	4 48	11 8	0 59	7 20	5 6	4 18	1 12	10 31	1 29	10 27	2 41	6 30	0 48	22 27	0 46	17 2	17 14	11 50	12 24	0 59	4 20	5 7
T 13	9 54	13 31	5 3	10 21	0 39	6 59	4 51	4 3	1 12	10 28	1 29	10 25	2 41	6 31	0 48	22 27	0 46	17 2	17 14	11 54	12 25	0 57	4 21	5 7
W14	10 16	16 10	5 3	9 33	0 18	6 37	4 36	3 47	1 12	10 25	1 29	10 24	2 41	6 32	0 48	22 27	0 46	17 2	17 13	11 58	12 26	0 55	4 22	5 7
T 15	10 37	18 6	4 49	8 47	0n 3	6 17	4 21	3 32	1 12	10 22	1 29	10 22	2 41	6 32	0 48	22 27	0 46	17 3	17 13	12 1	12 27	0 53	4 23	5 7
F 16	10 59	19 12	4 22	8 3	0 23	5 58	4 7	3 17	1 12	10 20	1 29	10 20	2 41	6 33	0 48	22 27	0 46	17 3	17 13	12 3	12 29	0 51	4 23	5 6
S 17	11 21	19 19	3 40	7 23	0 42	5 40	3 52	3 2	1 11	10 17	1 29	10 19	2 41	6 33	0 48	22 27	0 46	17 3	17 13	12 4	12 30	0 49	4 24	5 6
S 18	11 42	18 25	2 46	6 48	0 59	5 23	3 37	2 47	1 11	10 14	1 29	10 17	2 41	6 34	0 47	22 27	0 46	17 3	17 13	12 5	12 31	0 47	4 25	5 6
M19	12 3	16 26	1 41	6 19	1 15	5 6	3 22	2 31	1 11	10 11	1 29	10 15	2 41	6 34	0 47	22 27	0 46	17 3	17 12	12 5	12 32	0 45	4 26	5 5
T 20	12 24	13 28	0 29	5 55	1 30	4 51	3 8	2 16	1 11	10 9	1 28	10 14	2 41	6 35	0 47	22 27	0 46	17 4	17 12	12 5	12 33	0 43	4 26	5 5
W21	12 45	9 37	0s47	5 38	1 42	4 37	2 53	2 1	1 11	10 6	1 28	10 12	2 41	6 35	0 47	22 27	0 46	17 4	17 12	12 5	12 34	0 41	4 27	5 5
T 22	13 5	5 6	2 1	5 26	1 52	4 25	2 39	1 46	1 11	10 3	1 28	10 11	2 41	6 36	0 47	22 27	0 46	17 4	17 12	12 6	12 35	0 39	4 28	5 5
F 23	13 25	0 12	3 9	5 21	2 1	4 13	2 25	1 30	1 11	10 0	1 28	10 9	2 41	6 36	0 47	22 27	0 46	17 4	17 12	12 7	12 36	0 37	4 29	5 4
S 24	13 46	4n47	4 4	5 21	2 8	4 3	2 11	1 15	1 11	9 58	1 28	10 7	2 41	6 37	0 47	22 27	0 46	17 4	17 11	12 10	12 37	0 35	4 29	5 4
S 25	14 5	9 28	4 42	5 27	2 13	3 53	1 58	1 0	1 11	9 55	1 28	10 6	2 41	6 37	0 47	22 27	0 46	17 4	17 11	12 13	12 38	0 33	4 30	5 4
M26	14 25	13 31	5 1	5 37	2 17	3 45	1 45	0 44	1 11	9 52	1 28	10 4	2 41	6 38	0 47	22 27	0 46	17 4	17 11	12 17	12 39	0 31	4 31	5 3
T 27	14 44	16 38	4 58	5 51	2 20	3 38	1 32	0 29	1 11	9 49	1 28	10 3	2 41	6 38	0 47	22 27	0 46	17 5	17 11	12 21	12 41	0 29	4 31	5 3
W28	15 4	18 38	4 38	6 9	2 21	3 32	1 19	0 14	1 11	9 47	1 27	10 1	2 41	6 38	0 47	22 27	0 46	17 5	17 10	12 24	12 42	0 27	4 32	5 3
T 29	15 23	19 27	4 1	6 30	2 21	3 28	1 7	0s 1	1 10	9 44	1 27	9 59	2 41	6 39	0 47	22 27	0 46	17 5	17 10	12 26	12 43	0 25	4 32	5 2
F 30	15 41	19 10	3 12	6 55	2 20	3 24	0 55	0 17	1 10	9 42	1 27	9 58	2 41	6 39	0 47	22 28	0 46	17 5	17 10	12 28	12 44	0 23	4 33	5 2
S 31	16s 0	17n52	2s15	7s21	2n18	3s21	0s43	0s32	1n10	9n39	1s27	9n56	2s41	6s40	0s47	22n28	0s46	17s 5	17s10	12n29	12n45	0n21	4s33	5n 2

Julian Day Number = 2117992.5, Delta T = 18m26s
Ecliptic obliquity = 23°33'20, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°00'33, Lahiri = 11°07'34 Julian Calendar 1 Oct. 1086 == Greg. Calendar 7 Oct. 1086

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1086
geocentric

NOVEMBER 1086 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 3 38	14♏35'42	13♌17	25♎33	7♎ 7	4♎39	28°R24	2°R35	14°R59	9°R19	26°R29	27°D15	26♌26	6♎55	6°R19	S 1
M 2	3 7 35	15°36'22	25°26	26°48	7°31	5°17	28♈17	2♉30	14♓58	9♋18	26♓29	27°R15	26°23	7° 2	6♓19	M 2
T 3	3 11 32	16°37'04	7♍22	28° 5	7°57	5°55	28°10	2°25	14°58	9°17	26°28	27♌15	26°20	7° 8	6°18	T 3
W 4	3 15 28	17°37'48	19°11	29°26	8°25	6°33	28° 2	2°21	14°57	9°16	26°27	27°13	26°16	7°15	6°18	W 4
T 5	3 19 25	18°38'33	0♎59	0♏48	8°54	7°12	27°55	2°16	14°56	9°15	26°27	27° 9	26°13	7°22	6°17	T 5
F 6	3 23 21	19°39'20	12°48	2°12	9°25	7°50	27°48	2°12	14°56	9°14	26°26	27° 1	26°10	7°28	6°17	F 6
S 7	3 27 18	20°40'08	24°43	3°38	9°58	8°28	27°41	2° 7	14°55	9°13	26°25	26°51	26° 7	7°35	6°17	S 7
S 8	3 31 14	21°40'58	6♏45	5° 5	10°32	9° 6	27°34	2° 3	14°54	9°12	26°25	26°38	26° 4	7°42	6°17	S 8
M 9	3 35 11	22°41'49	18°57	6°33	11° 7	9°44	27°28	1°58	14°54	9°11	26°24	26°24	26° 0	7°48	6°17	M 9
T 10	3 39 7	23°42'41	1♐19	8° 2	11°44	10°22	27°21	1°54	14°53	9°10	26°24	26° 9	25°57	7°55	6°16	T 10
W11	3 43 4	24°43'35	13°52	9°31	12°22	11° 0	27°15	1°50	14°53	9° 9	26°23	25°55	25°54	8° 2	6°D16	W11
T 12	3 47 0	25°44'30	26°35	11° 2	13° 1	11°38	27° 8	1°45	14°53	9° 8	26°23	25°44	25°51	8° 9	6°16	T 12
F 13	3 50 57	26°45'25	9♑29	12°33	13°42	12°16	27° 2	1°41	14°52	9° 7	26°22	25°35	25°48	8°15	6°17	F 13
S 14	3 54 54	27°46'22	22°33	14° 4	14°24	12°54	26°56	1°37	14°52	9° 6	26°22	25°29	25°45	8°22	6°17	S 14
S 15	3 58 50	28°47'19	5♒50	15°35	15° 7	13°32	26°50	1°33	14°52	9° 4	26°21	25°26	25°41	8°29	6°17	S 15
M16	4 2 47	29°48'18	19°21	17° 7	15°51	14°10	26°45	1°29	14°52	9° 3	26°21	25°25	25°38	8°35	6°17	M16
T 17	4 6 43	0♐49'16	3♓ 7	18°39	16°35	14°48	26°39	1°25	14°52	9° 2	26°20	25°25	25°35	8°42	6°17	T 17
W18	4 10 40	1°50'16	17° 8	20°11	17°21	15°26	26°34	1°21	14°D52	9° 1	26°20	25°24	25°32	8°49	6°18	W18
T 19	4 14 36	2°51'16	1♈26	21°44	18° 8	16° 4	26°29	1°17	14°52	8°59	26°20	25°22	25°29	8°55	6°18	T 19
F 20	4 18 33	3°52'17	15°58	23°16	18°56	16°42	26°24	1°14	14°52	8°58	26°19	25°17	25°26	9° 2	6°19	F 20
S 21	4 22 29	4°53'18	0♉40	24°49	19°45	17°20	26°19	1°10	14°52	8°57	26°19	25° 9	25°22	9° 9	6°19	S 21
S 22	4 26 26	5°54'20	15°26	26°22	20°35	17°58	26°14	1° 6	14°52	8°55	26°19	24°59	25°19	9°15	6°20	S 22
M23	4 30 23	6°55'22	0♊ 8	27°55	21°25	18°36	26°10	1° 3	14°52	8°54	26°18	24°47	25°16	9°22	6°21	M23
T 24	4 34 19	7°56'26	14°37	29°28	22°16	19°14	26° 5	1° 0	14°53	8°53	26°18	24°35	25°13	9°29	6°21	T 24
W25	4 38 16	8°57'30	28°47	1♐ 1	23° 8	19°52	26° 1	0°56	14°53	8°51	26°18	24°24	25°10	9°35	6°22	W25
T 26	4 42 12	9°58'35	12♋32	2°35	24° 1	20°30	25°57	0°53	14°53	8°50	26°18	24°16	25° 6	9°42	6°23	T 26
F 27	4 46 9	10°59'41	25°51	4° 8	24°54	21° 7	25°54	0°50	14°54	8°48	26°17	24°10	25° 3	9°49	6°24	F 27
S 28	4 50 5	12° 0'48	8♌45	5°41	25°49	21°45	25°50	0°47	14°54	8°47	26°17	24° 7	25° 0	9°55	6°25	S 28
S 29	4 54 2	13° 1'55	21°16	7°15	26°43	22°23	25°47	0°44	14°55	8°45	26°17	24°D 5	24°57	10° 2	6°26	S 29
M30	4 57 59	14♐ 3'04	3♍28	8♐49	27♎39	23♎ 1	25♈44	0♉41	14♓55	8♋44	26♓17	24♌ 6	24♌54	10♎ 9	6♓27	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s18	15n44	1s13	7s50	2n15	3s20	0s32	0s47	1n10	9n37	1s27	9n55	2s41	6s40	0s47	22n28	0s46	17s 5	17s 9	12n29	12n46	0n19	4s34	5n 1
M 2	16 36	12 57	0 10	8 20	2 12	3 19	0 21	1 2	1 10	9 34	1 27	9 53	2 40	6 40	0 47	22 28	0 46	17 5	17 9	12 29	12 47	0 17	4 35	5 1
T 3	16 53	9 40	0n53	8 51	2 8	3 20	0 10	1 18	1 10	9 32	1 26	9 52	2 40	6 40	0 47	22 28	0 46	17 5	17 9	12 29	12 48	0 15	4 35	5 1
W 4	17 10	6 2	1 54	9 24	2 3	3 21	0 0	1 33	1 10	9 29	1 26	9 50	2 40	6 41	0 47	22 28	0 46	17 5	17 8	12 30	12 49	0 13	4 35	5 0
T 5	17 27	2 11	2 48	9 57	1 59	3 24	0n10	1 48	1 10	9 27	1 26	9 49	2 40	6 41	0 47	22 28	0 46	17 5	17 8	12 31	12 50	0 11	4 36	5 0
F 6	17 44	1s46	3 36	10 32	1 53	3 27	0 20	2 3	1 9	9 24	1 26	9 47	2 40	6 41	0 47	22 28	0 46	17 5	17 8	12 34	12 51	0 9	4 36	5 0
S 7	18 0	5 40	4 15	11 6	1 47	3 31	0 29	2 19	1 9	9 22	1 26	9 46	2 40	6 41	0 47	22 28	0 46	17 5	17 7	12 37	12 52	0 7	4 37	4 59
S 8	18 16	9 23	4 42	11 41	1 42	3 36	0 38	2 34	1 9	9 20	1 25	9 45	2 40	6 41	0 47	22 28	0 46	17 5	17 7	12 42	12 54	0 5	4 37	4 59
M 9	18 32	12 47	4 57	12 16	1 35	3 42	0 47	2 49	1 9	9 18	1 25	9 43	2 40	6 42	0 47	22 28	0 46	17 5	17 7	12 47	12 55	0 2	4 38	4 59
T 10	18 47	15 39	4 58	12 51	1 29	3 49	0 55	3 4	1 9	9 16	1 25	9 42	2 39	6 42	0 47	22 28	0 46	17 5	17 7	12 52	12 56	0 0	4 38	4 58
W11	19 3	17 51	4 45	13 26	1 22	3 56	1 3	3 19	1 9	9 13	1 25	9 41	2 39	6 42	0 47	22 28	0 46	17 5	17 6	12 56	12 57	0s 2	4 38	4 58
T 12	19 17	19 13	4 18	14 1	1 16	4 4	1 11	3 34	1 9	9 11	1 24	9 39	2 39	6 42	0 47	22 28	0 46	17 5	17 6	13 0	12 58	0 4	4 38	4 58
F 13	19 32	19 36	3 37	14 35	1 9	4 13	1 19	3 49	1 8	9 9	1 24	9 38	2 39	6 42	0 47	22 28	0 46	17 5	17 6	13 3	12 59	0 6	4 39	4 57
S 14	19 46	18 58	2 44	15 9	1 2	4 23	1 26	4 4	1 8	9 8	1 24	9 37	2 39	6 42	0 46	22 28	0 46	17 4	17 5	13 5	13 0	0 8	4 39	4 57
S 15	19 59	17 16	1 41	15 43	0 55	4 33	1 33	4 19	1 8	9 6	1 24	9 36	2 38	6 42	0 46	22 28	0 46	17 4	17 5	13 6	13 1	0 10	4 39	4 57
M16	20 12	14 35	0 32	16 16	0 48	4 44	1 40	4 34	1 8	9 4	1 23	9 34	2 38	6 42	0 46	22 29	0 46	17 4	17 5	13 7	13 2	0 12	4 39	4 56
T 17	20 25	11 3	0s41	16 49	0 41	4 55	1 46	4 49	1 8	9 2	1 23	9 33	2 38	6 42	0 46	22 29	0 46	17 4	17 4	13 7	13 3	0 14	4 40	4 56
W18	20 38	6 49	1 52	17 20	0 33	5 7	1 52	5 4	1 8	9 0	1 23	9 32	2 38	6 42	0 46	22 29	0 46	17 4	17 4	13 7	13 4	0 16	4 40	4 56
T 19	20 50	2 9	2 58	17 52	0 26	5 20	1 58	5 19	1 7	8 59	1 23	9 31	2 38	6 42	0 46	22 29	0 46	17 4	17 4	13 8	13 5	0 18	4 40	4 55
F 20	21 2	2n43	3 54	18 22	0 19	5 33	2 4	5 34	1 7	8 57	1 22	9 30	2 38	6 42	0 46	22 29	0 46	17 4	17 3	13 9	13 6	0 20	4 40	4 55
S 21	21 13	7 29	4 34	18 52	0 12	5 46	2 9	5 48	1 7	8 56	1 22	9 29	2 37	6 42	0 46	22 29	0 46	17 3	17 3	13 12	13 8	0 22	4 40	4 55
S 22	21 24	11 49	4 57	19 21	0 5	6 0	2 14	6 3	1 7	8 54	1 22	9 28	2 37	6 42	0 46	22 29	0 46	17 3	17 3	13 16	13 9	0 24	4 40	4 54
M23	21 34	15 24	4 59	19 49	0s 2	6 15	2 19	6 18	1 7	8 53	1 22	9 27	2 37	6 42	0 46	22 29	0 46	17 3	17 2	13 19	13 10	0 26	4 40	4 54
T 24	21 44	17 59	4 43	20 16	0 8	6 30	2 23	6 32	1 6	8 52	1 21	9 26	2 37	6 42	0 46	22 29	0 46	17 3	17 2	13 23	13 11	0 28	4 40	4 54
W25	21 54	19 24	4 9	20 43	0 15	6 45	2 28	6 47	1 6	8 50	1 21	9 25	2 36	6 41	0 46	22 29	0 46	17 3	17 2	13 27	13 12	0 30	4 40	4 53
T 26	22 3	19 37	3 21	21 8	0 22	7 1	2 32	7 2	1 6	8 49	1 21	9 24	2 36	6 41	0 46	22 29	0 46	17 2	17 1	13 30	13 13	0 32	4 40	4 53
F 27	22 12	18 43	2 24	21 32	0 28	7 17	2 36	7 16	1 6	8 48	1 20	9 23	2 36	6 41	0 46	22 29	0 46	17 2	17 1	13 32	13 14	0 34	4 40	4 53
S 28	22 20	16 52	1 21	21 56	0 35	7 33	2 39	7 30	1 5	8 47	1 20	9 22	2 36	6 41	0 46	22 30	0 46	17 2	17 0	13 33	13 15	0 36	4 40	4 52
S 29	22 28	14 15	0 15	22 18	0 41	7 50	2 43	7 45	1 5	8 46	1 20	9 21	2 35	6 41	0 46	22 30	0 46	17 2	17 0	13 33	13 16	0 38	4 40	4 52
M30	22s36	11n 3	0n50	22s39	0s47	8s 6	2n46	7s59	1n 5	8n45	1s19	9n21	2s35	6s40	0s46	22n30	0s46	17s 1	17s 0	13n33	13n17	0s40	4s40	4n52

Julian Day Number = 2118023.5, Delta T = 18m26s
Ecliptic obliquity = 23°33'20, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°00'38, Lahiri = 11°07'38 Julian Calendar 1 Nov. 1086 == Greg. Calendar 7 Nov. 1086

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1086
geocentric

DECEMBER 1086 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 1 55	15♐ 4'12	15♍27	10♐23	28♎35	23♎39	25°R41	0°R38	14♓56	8°R42	26°R17	24°R 6	24♌51	10♎16	6♓28	T 1
W 2	5 5 52	16° 5'22	27°18	11°57	29°32	24°17	25♈38	0♉36	14°57	8♋41	26♓17	24♌ 5	24°47	10°22	6°29	W 2
T 3	5 9 48	17° 6'32	9♎ 6	13°32	0♏29	24°55	25°36	0°33	14°57	8°39	26°17	24° 3	24°44	10°29	6°30	T 3
F 4	5 13 45	18° 7'43	20°58	15° 6	1°27	25°33	25°33	0°31	14°58	8°38	26°17	23°58	24°41	10°36	6°32	F 4
S 5	5 17 41	19° 8'55	2♏56	16°41	2°25	26°11	25°31	0°28	14°59	8°36	26°D17	23°50	24°38	10°42	6°33	S 5
S 6	5 21 38	20°10'07	15° 5	18°16	3°24	26°49	25°29	0°26	15° 0	8°35	26°17	23°40	24°35	10°49	6°35	S 6
M 7	5 25 34	21°11'20	27°27	19°51	4°23	27°27	25°27	0°24	15° 1	8°33	26°17	23°28	24°32	10°56	6°36	M 7
T 8	5 29 31	22°12'33	10♐ 3	21°27	5°23	28° 5	25°26	0°22	15° 2	8°31	26°17	23°16	24°28	11° 2	6°38	T 8
W 9	5 33 28	23°13'46	22°53	23° 2	6°23	28°42	25°25	0°20	15° 3	8°30	26°17	23° 5	24°25	11° 9	6°39	W 9
T 10	5 37 24	24°14'59	5♑57	24°39	7°24	29°20	25°23	0°18	15° 4	8°28	26°17	22°55	24°22	11°16	6°41	T 10
F 11	5 41 21	25°16'13	19°13	26°15	8°25	29°58	25°23	0°16	15° 5	8°27	26°17	22°48	24°19	11°22	6°42	F 11
S 12	5 45 17	26°17'26	2♒40	27°52	9°26	0♏36	25°22	0°14	15° 6	8°25	26°17	22°43	24°16	11°29	6°44	S 12
S 13	5 49 14	27°18'39	16°17	29°29	10°28	1°14	25°21	0°13	15° 8	8°23	26°18	22°D41	24°12	11°36	6°46	S 13
M14	5 53 10	28°19'52	0♓ 2	1♑ 6	11°30	1°52	25°21	0°11	15° 9	8°22	26°18	22°42	24° 9	11°42	6°48	M14
T 15	5 57 7	29°21'05	13°55	2°44	12°33	2°29	25°D21	0°10	15°10	8°20	26°18	22°42	24° 6	11°49	6°50	T 15
W16	6 1 3	0♑22'17	27°56	4°22	13°36	3° 7	25°21	0° 9	15°12	8°18	26°18	22°R43	24° 3	11°56	6°52	W16
T 17	6 5 0	1°23'29	12♈ 3	6° 0	14°39	3°45	25°22	0° 8	15°13	8°17	26°19	22°43	24° 0	12° 3	6°54	T 17
F 18	6 8 57	2°24'40	26°17	7°39	15°42	4°23	25°22	0° 7	15°14	8°15	26°19	22°40	23°57	12° 9	6°56	F 18
S 19	6 12 53	3°25'51	10♉34	9°18	16°46	5° 0	25°23	0° 6	15°16	8°13	26°19	22°35	23°53	12°16	6°58	S 19
S 20	6 16 50	4°27'01	24°51	10°58	17°50	5°38	25°24	0° 5	15°18	8°11	26°19	22°29	23°50	12°23	7° 0	S 20
M21	6 20 46	5°28'11	9♊ 4	12°37	18°55	6°16	25°25	0° 4	15°19	8°10	26°20	22°21	23°47	12°29	7° 2	M21
T 22	6 24 43	6°29'21	23° 7	14°17	20° 0	6°54	25°27	0° 4	15°21	8° 8	26°20	22°13	23°44	12°36	7° 4	T 22
W23	6 28 39	7°30'30	6♋56	15°58	21° 5	7°31	25°28	0° 3	15°23	8° 6	26°21	22° 6	23°41	12°43	7° 7	W23
T 24	6 32 36	8°31'39	20°26	17°38	22°10	8° 9	25°30	0° 3	15°24	8° 5	26°21	22° 0	23°38	12°49	7° 9	T 24
F 25	6 36 32	9°32'47	3♌36	19°19	23°15	8°47	25°32	0° 3	15°26	8° 3	26°22	21°56	23°34	12°56	7°11	F 25
S 26	6 40 29	10°33'55	16°26	20°59	24°21	9°24	25°34	0°D 3	15°28	8° 1	26°22	21°D54	23°31	13° 3	7°14	S 26
S 27	6 44 26	11°35'03	28°57	22°40	25°27	10° 2	25°37	0° 3	15°30	8° 0	26°23	21°54	23°28	13° 9	7°16	S 27
M28	6 48 22	12°36'10	11♍10	24°20	26°34	10°40	25°39	0° 3	15°32	7°58	26°23	21°56	23°25	13°16	7°19	M28
T 29	6 52 19	13°37'17	23°12	26° 1	27°40	11°17	25°42	0° 3	15°34	7°56	26°24	21°58	23°22	13°23	7°21	T 29
W30	6 56 15	14°38'23	5♎ 5	27°40	28°47	11°55	25°45	0° 3	15°36	7°55	26°24	21°59	23°18	13°29	7°24	W30
T 31	7 0 12	15♑39'29	16♎55	29♑20	29♏54	12♏32	25♈48	0♉ 4	15♓38	7♋53	26♓25	21°R59	23♌15	13♎36	7♓26	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s43	7n28	1n51	22s59	0s53	8s24	2n49	8s13	1n 5	8n45	1s19	9n20	2s35	6s40	0s46	22n30	0s46	17s 1	16s59	13n33	13n18	0s42	4s40	4n51
W 2	22 49	3 38	2 47	23 18	0 59	8 41	2 52	8 28	1 4	8 44	1 19	9 19	2 35	6 40	0 46	22 30	0 46	17 1	16 59	13 33	13 19	0 45	4 40	4 51
T 3	22 56	0s19	3 36	23 36	1 5	8 59	2 54	8 42	1 4	8 43	1 19	9 19	2 34	6 39	0 46	22 30	0 46	17 0	16 59	13 34	13 20	0 47	4 40	4 51
F 4	23 1	4 17	4 15	23 53	1 10	9 17	2 56	8 56	1 4	8 43	1 18	9 18	2 34	6 39	0 46	22 30	0 46	17 0	16 58	13 36	13 21	0 49	4 40	4 50
S 5	23 7	8 6	4 44	24 8	1 16	9 35	2 59	9 10	1 4	8 42	1 18	9 17	2 34	6 39	0 46	22 30	0 46	17 0	16 58	13 39	13 23	0 51	4 39	4 50
S 6	23 11	11 39	5 0	24 22	1 21	9 53	3 1	9 24	1 3	8 42	1 18	9 17	2 34	6 38	0 46	22 30	0 46	16 59	16 58	13 42	13 24	0 53	4 39	4 50
M 7	23 16	14 46	5 2	24 35	1 26	10 11	3 2	9 38	1 3	8 42	1 17	9 16	2 33	6 38	0 46	22 30	0 46	16 59	16 57	13 46	13 25	0 55	4 39	4 49
T 8	23 19	17 16	4 51	24 47	1 30	10 29	3 4	9 52	1 3	8 41	1 17	9 16	2 33	6 37	0 46	22 31	0 46	16 59	16 57	13 50	13 26	0 57	4 39	4 49
W 9	23 23	18 58	4 24	24 57	1 35	10 48	3 5	10 6	1 3	8 41	1 17	9 15	2 33	6 37	0 45	22 31	0 46	16 58	16 56	13 53	13 27	0 59	4 38	4 49
T 10	23 26	19 43	3 43	25 6	1 39	11 6	3 7	10 19	1 2	8 41	1 16	9 15	2 33	6 37	0 45	22 31	0 46	16 58	16 56	13 57	13 28	1 1	4 38	4 48
F 11	23 28	19 23	2 49	25 13	1 43	11 25	3 8	10 33	1 2	8 41	1 16	9 15	2 32	6 36	0 45	22 31	0 46	16 58	16 56	13 59	13 29	1 3	4 38	4 48
S 12	23 30	17 57	1 45	25 19	1 47	11 44	3 8	10 47	1 2	8 41	1 16	9 14	2 32	6 36	0 45	22 31	0 46	16 57	16 55	14 0	13 30	1 5	4 37	4 48
S 13	23 32	15 29	0 34	25 24	1 50	12 2	3 9	11 0	1 1	8 41	1 15	9 14	2 32	6 35	0 45	22 31	0 46	16 57	16 55	14 1	13 31	1 7	4 37	4 48
M14	23 33	12 8	0s39	25 27	1 54	12 21	3 10	11 13	1 1	8 41	1 15	9 14	2 31	6 35	0 45	22 31	0 46	16 56	16 55	14 1	13 32	1 9	4 37	4 47
T 15	23 33	8 4	1 52	25 28	1 56	12 40	3 10	11 27	1 1	8 42	1 15	9 14	2 31	6 34	0 45	22 31	0 46	16 56	16 54	14 1	13 33	1 11	4 36	4 47
W16	23 33	3 33	2 58	25 28	1 59	12 58	3 10	11 40	1 0	8 42	1 14	9 13	2 31	6 33	0 45	22 31	0 46	16 55	16 54	14 1	13 34	1 13	4 36	4 47
T 17	23 33	1n12	3 54	25 26	2 1	13 17	3 10	11 53	1 0	8 42	1 14	9 13	2 31	6 33	0 45	22 32	0 46	16 55	16 54	14 1	13 35	1 15	4 35	4 46
F 18	23 32	5 55	4 36	25 23	2 3	13 35	3 10	12 6	1 0	8 43	1 14	9 13	2 30	6 32	0 45	22 32	0 46	16 55	16 53	14 2	13 36	1 17	4 35	4 46
S 19	23 31	10 18	5 1	25 18	2 4	13 54	3 10	12 19	0 59	8 43	1 13	9 13	2 30	6 32	0 45	22 32	0 46	16 54	16 53	14 3	13 37	1 20	4 34	4 46
S 20	23 29	14 6	5 7	25 11	2 6	14 12	3 10	12 32	0 59	8 44	1 13	9 13	2 30	6 31	0 45	22 32	0 46	16 54	16 53	14 5	13 38	1 22	4 34	4 45
M21	23 27	17 4	4 55	25 3	2 6	14 30	3 9	12 45	0 59	8 45	1 13	9 13	2 29	6 30	0 45	22 32	0 46	16 53	16 52	14 8	13 39	1 24	4 33	4 45
T 22	23 24	18 59	4 24	24 53	2 6	14 48	3 8	12 58	0 58	8 46	1 13	9 13	2 29	6 30	0 45	22 32	0 46	16 53	16 52	14 10	13 41	1 26	4 33	4 45
W23	23 20	19 44	3 39	24 41	2 6	15 6	3 8	13 11	0 58	8 47	1 12	9 13	2 29	6 29	0 45	22 32	0 46	16 52	16 51	14 13	13 42	1 28	4 32	4 45
T 24	23 17	19 19	2 42	24 28	2 6	15 23	3 7	13 23	0 57	8 48	1 12	9 14	2 28	6 28	0 45	22 32	0 46	16 52	16 51	14 15	13 43	1 30	4 32	4 44
F 25	23 13	17 52	1 38	24 12	2 4	15 41	3 6	13 36	0 57	8 49	1 12	9 14	2 28	6 27	0 45	22 32	0 46	16 51	16 51	14 16	13 44	1 32	4 31	4 44
S 26	23 8	15 31	0 30	23 56	2 3	15 58	3 4	13 48	0 57	8 50	1 11	9 14	2 28	6 27	0 45	22 33	0 46	16 51	16 50	14 16	13 45	1 34	4 30	4 44
S 27	23 3	12 30	0n38	23 37	2 0	16 15	3 3	14 0	0 56	8 51	1 11	9 14	2 28	6 26	0 45	22 33	0 46	16 50	16 50	14 16	13 46	1 36	4 30	4 44
M28	22 57	9 0	1 43	23 17	1 57	16 32	3 2	14 13	0 56	8 52	1 11	9 15	2 27	6 25	0 45	22 33	0 46	16 50	16 50	14 16	13 47	1 38	4 29	4 43
T 29	22 51	5 12	2 42	22 55	1 54	16 49	3 0	14 25	0 55	8 53	1 10	9 15	2 27	6 24	0 45	22 33	0 46	16 49	16 49	14 15	13 48	1 40	4 28	4 43
W30	22 45	1 14	3 34	22 31	1 50	17 5	2 59	14 37	0 55	8 55	1 10	9 15	2 27	6 23	0 45	22 33	0 46	16 49	16 49	14 15	13 49	1 42	4 28	4 43
T 31	22s38	2s45	4n16	22s 6	1s45	17s21	2n57	14s49	0n55	8n56	1s10	9n16	2s26	6s23	0s45	22n33	0s46	16s48	16s49	14n15	13n50	1s44	4s27	4n42

Julian Day Number = 2118053.5, Delta T = 18m26s
Ecliptic obliquity = 23°33'20, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°00'42, Lahiri = 11°07'42 Julian Calendar 1 Dec. 1086 == Greg. Calendar 7 Dec. 1086

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1087
geocentric

JANUARY 1087 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 4 8	16♉40'35	28♎48	0♒58	1♐ 1	13♏10	25♈52	0♉ 4	15♓40	7°R51	26♓25	21°R59	23♌12	13♎43	7♓29	F 1
S 2	7 8 5	17°41'40	10♏47	2°35	2° 8	13°48	25°55	0° 5	15°42	7♋49	26°26	21♌56	23° 9	13°50	7°32	S 2
S 3	7 12 1	18°42'45	22°59	4°11	3°16	14°25	25°59	0° 6	15°44	7°48	26°27	21°52	23° 6	13°56	7°34	S 3
M 4	7 15 58	19°43'49	5♐25	5°45	4°24	15° 3	26° 3	0° 7	15°46	7°46	26°27	21°47	23° 3	14° 3	7°37	M 4
T 5	7 19 55	20°44'53	18° 9	7°17	5°31	15°40	26° 7	0° 8	15°49	7°44	26°28	21°42	22°59	14°10	7°40	T 5
W 6	7 23 51	21°45'55	1♑12	8°47	6°40	16°18	26°12	0° 9	15°51	7°43	26°29	21°36	22°56	14°16	7°43	W 6
T 7	7 27 48	22°46'58	14°34	10°13	7°48	16°55	26°16	0°10	15°53	7°41	26°29	21°32	22°53	14°23	7°46	T 7
F 8	7 31 44	23°47'59	28°14	11°35	8°56	17°32	26°21	0°12	15°56	7°40	26°30	21°29	22°50	14°30	7°49	F 8
S 9	7 35 41	24°48'59	12♒ 7	12°53	10° 5	18°10	26°26	0°13	15°58	7°38	26°31	21°27	22°47	14°36	7°52	S 9
S 10	7 39 37	25°49'58	26°12	14° 6	11°13	18°47	26°31	0°15	16° 1	7°36	26°32	21°D27	22°44	14°43	7°55	S 10
M11	7 43 34	26°50'56	10♓23	15°13	12°22	19°25	26°36	0°16	16° 3	7°35	26°33	21°28	22°40	14°50	7°58	M11
T 12	7 47 31	27°51'52	24°38	16°13	13°31	20° 2	26°42	0°18	16° 6	7°33	26°34	21°29	22°37	14°57	8° 1	T 12
W13	7 51 27	28°52'47	8♈53	17° 6	14°40	20°39	26°47	0°20	16° 8	7°32	26°34	21°30	22°34	15° 3	8° 4	W13
T 14	7 55 24	29°53'41	23° 6	17°50	15°49	21°16	26°53	0°22	16°11	7°30	26°35	21°31	22°31	15°10	8° 7	T 14
F 15	7 59 20	0♒54'33	7♉14	18°25	16°59	21°54	26°59	0°24	16°13	7°29	26°36	21°R31	22°28	15°17	8°10	F 15
S 16	8 3 17	1°55'24	21°17	18°51	18° 8	22°31	27° 5	0°27	16°16	7°27	26°37	21°30	22°24	15°23	8°13	S 16
S 17	8 7 13	2°56'13	5♊11	19° 6	19°18	23° 8	27°12	0°29	16°19	7°26	26°38	21°29	22°21	15°30	8°17	S 17
M18	8 11 10	3°57'01	18°56	19°R11	20°27	23°45	27°18	0°31	16°21	7°24	26°39	21°26	22°18	15°37	8°20	M18
T 19	8 15 6	4°57'47	2♋30	19° 4	21°37	24°22	27°25	0°34	16°24	7°23	26°40	21°24	22°15	15°43	8°23	T 19
W20	8 19 3	5°58'31	15°50	18°47	22°47	24°59	27°31	0°37	16°27	7°21	26°41	21°21	22°12	15°50	8°27	W20
T 21	8 23 0	6°59'15	28°57	18°19	23°57	25°37	27°38	0°39	16°30	7°20	26°42	21°20	22° 9	15°57	8°30	T 21
F 22	8 26 56	7°59'56	11♌49	17°41	25° 7	26°14	27°46	0°42	16°33	7°18	26°43	21°19	22° 5	16° 3	8°33	F 22
S 23	8 30 53	9° 0'37	24°26	16°55	26°17	26°51	27°53	0°45	16°35	7°17	26°44	21°D19	22° 2	16°10	8°37	S 23
S 24	8 34 49	10° 1'16	6♍49	16° 0	27°27	27°28	28° 0	0°48	16°38	7°15	26°45	21°19	21°59	16°17	8°40	S 24
M25	8 38 46	11° 1'53	19° 0	14°59	28°38	28° 5	28° 8	0°51	16°41	7°14	26°46	21°20	21°56	16°24	8°44	M25
T 26	8 42 42	12° 2'30	1♎ 0	13°54	29°48	28°42	28°16	0°55	16°44	7°13	26°47	21°21	21°53	16°30	8°47	T 26
W27	8 46 39	13° 3'04	12°54	12°46	0♑59	29°18	28°23	0°58	16°47	7°11	26°48	21°22	21°49	16°37	8°50	W27
T 28	8 50 35	14° 3'38	24°45	11°37	2° 9	29°55	28°31	1° 2	16°50	7°10	26°49	21°23	21°46	16°44	8°54	T 28
F 29	8 54 32	15° 4'10	6♏38	10°29	3°20	0♐32	28°40	1° 5	16°53	7° 9	26°51	21°23	21°43	16°50	8°58	F 29
S 30	8 58 28	16° 4'41	18°37	9°24	4°31	1° 9	28°48	1° 9	16°56	7° 8	26°52	21°R23	21°40	16°57	9° 1	S 30
S 31	9 2 25	17♒ 5'11	0♐47	8♒22	5♑42	1♐46	28♈56	1♉12	16♓59	7♋ 6	26♓53	21♌23	21♌37	17♎ 4	9♓ 5	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s31	6s38	4n47	21s39	1s39	17s36	2n55	15s 0	0n54	8n58	1s 9	9n16	2s26	6s22	0s45	22n33	0s46	16s48	16s48	14n15	13n51	1s46	4s26	4n42
S 2	22 23	10 17	5 6	21 11	1 33	17 52	2 53	15 12	0 54	8 59	1 9	9 17	2 26	6 21	0 45	22 33	0 46	16 47	16 48	14 16	13 52	1 49	4 25	4 42
S 3	22 14	13 34	5 12	20 41	1 26	18 7	2 51	15 24	0 53	9 1	1 9	9 18	2 25	6 20	0 45	22 34	0 46	16 46	16 48	14 17	13 53	1 51	4 25	4 42
M 4	22 6	16 20	5 3	20 11	1 18	18 21	2 49	15 35	0 53	9 3	1 8	9 18	2 25	6 19	0 45	22 34	0 46	16 46	16 47	14 19	13 54	1 53	4 24	4 42
T 5	21 57	18 23	4 40	19 39	1 9	18 36	2 47	15 47	0 52	9 5	1 8	9 19	2 25	6 18	0 44	22 34	0 46	16 45	16 47	14 21	13 55	1 55	4 23	4 41
W 6	21 47	19 32	4 1	19 6	0 59	18 50	2 44	15 58	0 52	9 6	1 8	9 19	2 25	6 17	0 44	22 34	0 46	16 45	16 47	14 22	13 56	1 57	4 22	4 41
T 7	21 37	19 38	3 8	18 33	0 49	19 3	2 42	16 9	0 51	9 8	1 8	9 20	2 24	6 16	0 44	22 34	0 46	16 44	16 46	14 24	13 57	1 59	4 21	4 41
F 8	21 27	18 35	2 4	17 59	0 37	19 16	2 39	16 20	0 51	9 10	1 7	9 21	2 24	6 15	0 44	22 34	0 46	16 43	16 46	14 25	13 58	2 1	4 20	4 41
S 9	21 16	16 26	0 51	17 26	0 25	19 29	2 37	16 31	0 50	9 12	1 7	9 22	2 24	6 14	0 44	22 34	0 46	16 43	16 46	14 25	13 59	2 3	4 20	4 40
S 10	21 5	13 15	0s26	16 52	0 12	19 41	2 34	16 42	0 50	9 15	1 7	9 23	2 23	6 13	0 44	22 34	0 46	16 42	16 45	14 25	14 0	2 5	4 19	4 40
M11	20 53	9 17	1 42	16 19	0n 2	19 53	2 31	16 53	0 49	9 17	1 6	9 23	2 23	6 12	0 44	22 34	0 46	16 42	16 45	14 25	14 1	2 7	4 18	4 40
T 12	20 41	4 47	2 53	15 47	0 17	20 5	2 29	17 3	0 49	9 19	1 6	9 24	2 23	6 11	0 44	22 35	0 46	16 41	16 45	14 25	14 2	2 9	4 17	4 40
W13	20 29	0 1	3 52	15 16	0 33	20 15	2 26	17 14	0 48	9 21	1 6	9 25	2 22	6 10	0 44	22 35	0 46	16 40	16 44	14 24	14 4	2 11	4 16	4 39
T 14	20 16	4n43	4 37	14 47	0 49	20 26	2 23	17 24	0 48	9 24	1 6	9 26	2 22	6 9	0 44	22 35	0 46	16 40	16 44	14 24	14 5	2 14	4 15	4 39
F 15	20 3	9 11	5 6	14 20	1 6	20 36	2 20	17 34	0 47	9 26	1 5	9 27	2 22	6 8	0 44	22 35	0 46	16 39	16 44	14 24	14 6	2 16	4 14	4 39
S 16	19 50	13 6	5 15	13 56	1 23	20 45	2 17	17 44	0 46	9 29	1 5	9 28	2 21	6 7	0 44	22 35	0 46	16 39	16 44	14 24	14 7	2 18	4 13	4 39
S 17	19 36	16 15	5 6	13 35	1 40	20 54	2 13	17 54	0 46	9 31	1 5	9 30	2 21	6 6	0 44	22 35	0 46	16 38	16 43	14 25	14 8	2 20	4 12	4 39
M18	19 22	18 26	4 40	13 17	1 57	21 3	2 10	18 4	0 45	9 34	1 4	9 31	2 21	6 5	0 44	22 35	0 46	16 37	16 43	14 26	14 9	2 22	4 11	4 38
T 19	19 7	19 34	3 58	13 3	2 14	21 11	2 7	18 14	0 45	9 36	1 4	9 32	2 21	6 4	0 44	22 35	0 46	16 37	16 43	14 26	14 10	2 24	4 10	4 38
W20	18 52	19 34	3 4	12 53	2 31	21 18	2 4	18 24	0 44	9 39	1 4	9 33	2 20	6 3	0 44	22 35	0 46	16 36	16 42	14 27	14 11	2 26	4 9	4 38
T 21	18 37	18 30	2 1	12 47	2 46	21 25	2 0	18 33	0 43	9 42	1 4	9 34	2 20	6 2	0 44	22 35	0 46	16 35	16 42	14 28	14 12	2 28	4 8	4 38
F 22	18 21	16 29	0 52	12 45	3 0	21 31	1 57	18 43	0 43	9 45	1 3	9 36	2 20	6 1	0 44	22 36	0 46	16 35	16 42	14 28	14 13	2 30	4 7	4 38
S 23	18 5	13 43	0n17	12 47	3 13	21 37	1 54	18 52	0 42	9 47	1 3	9 37	2 19	6 0	0 44	22 36	0 46	16 34	16 42	14 28	14 14	2 32	4 5	4 38
S 24	17 49	10 22	1 25	12 52	3 24	21 42	1 50	19 1	0 42	9 50	1 3	9 38	2 19	5 58	0 44	22 36	0 46	16 33	16 41	14 28	14 15	2 34	4 4	4 37
M25	17 33	6 38	2 28	13 2	3 33	21 46	1 47	19 10	0 41	9 53	1 2	9 40	2 19	5 57	0 44	22 36	0 46	16 33	16 41	14 28	14 16	2 36	4 3	4 37
T 26	17 16	2 42	3 23	13 14	3 39	21 50	1 43	19 19	0 40	9 56	1 2	9 41	2 19	5 56	0 44	22 36	0 46	16 32	16 41	14 27	14 17	2 39	4 2	4 37
W27	16 59	1s18	4 9	13 29	3 44	21 53	1 40	19 27	0 39	9 59	1 2	9 42	2 18	5 55	0 44	22 36	0 46	16 31	16 41	14 27	14 18	2 41	4 1	4 37
T 28	16 41	5 14	4 44	13 46	3 46	21 56	1 36	19 36	0 39	10 2	1 2	9 44	2 18	5 54	0 44	22 36	0 45	16 31	16 40	14 27	14 19	2 43	4 0	4 37
F 29	16 24	8 58	5 7	14 5	3 45	21 58	1 33	19 45	0 38	10 6	1 1	9 45	2 18	5 52	0 44	22 36	0 45	16 30	16 40	14 27	14 20	2 45	3 59	4 37
S 30	16 6	12 22	5 17	14 24	3 43	22 0	1 29	19 53	0 37	10 9	1 1	9 47	2 17	5 51	0 44	22 36	0 45	16 29	16 40	14 27	14 21	2 47	3 57	4 36
S 31	15s47	15s18	5n13	14s45	3n38	22s 1	1n25	20s 1	0n37	10n12	1s 1	9n48	2s17	5s50	0s44	22n36	0s45	16s29	16s40	14n27	14n22	2s49	3s56	4n36

Julian Day Number = 2118084.5, Delta T = 18m25s
Ecliptic obliquity = 23°33'20, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°00'46, Lahiri = 11°07'46 Julian Calendar 1 Jan. 1087 == Greg. Calendar 7 Jan. 1087

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1087
geocentric

FEBRUARY 1087 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 6 22	18♒ 5'39	13♐12	7°R26	6♑52	2♐22	29♈ 5	1♉16	17♓ 2	7°R 5	26♓54	21°R23	21♌34	17♎10	9♓ 8	M 1
T 2	9 10 18	19° 6'06	25°56	6♒36	8° 3	2°59	29°14	1°20	17° 6	7♋ 4	26°55	21♌22	21°30	17°17	9°12	T 2
W 3	9 14 15	20° 6'32	9♑ 3	5°52	9°15	3°36	29°22	1°24	17° 9	7° 3	26°56	21°22	21°27	17°24	9°15	W 3
T 4	9 18 11	21° 6'56	22°33	5°15	10°26	4°12	29°31	1°28	17°12	7° 2	26°58	21°D22	21°24	17°31	9°19	T 4
F 5	9 22 8	22° 7'18	6♒26	4°46	11°37	4°49	29°40	1°33	17°15	7° 1	26°59	21°22	21°21	17°37	9°23	F 5
S 6	9 26 4	23° 7'39	20°40	4°24	12°48	5°26	29°50	1°37	17°18	7° 0	27° 0	21°R22	21°18	17°44	9°26	S 6
S 7	9 30 1	24° 7'57	5♓10	4°10	13°59	6° 2	29°59	1°41	17°21	6°58	27° 1	21°22	21°15	17°51	9°30	S 7
M 8	9 33 57	25° 8'14	19°50	4° 2	15°11	6°38	0♉ 9	1°46	17°25	6°57	27° 3	21°22	21°11	17°57	9°34	M 8
T 9	9 37 54	26° 8'29	4♈34	4°D 2	16°22	7°15	0°18	1°50	17°28	6°56	27° 4	21°21	21° 8	18° 4	9°37	T 9
W10	9 41 51	27° 8'42	19°14	4° 7	17°34	7°51	0°28	1°55	17°31	6°55	27° 5	21°21	21° 5	18°11	9°41	W10
T 11	9 45 47	28° 8'53	3♉45	4°19	18°45	8°27	0°38	2° 0	17°34	6°55	27° 6	21°20	21° 2	18°17	9°45	T 11
F 12	9 49 44	29° 9'02	18° 3	4°37	19°57	9° 4	0°48	2° 5	17°38	6°54	27° 8	21°20	20°59	18°24	9°49	F 12
S 13	9 53 40	0♓ 9'08	2♊ 5	4°59	21° 8	9°40	0°58	2°10	17°41	6°53	27° 9	21°D20	20°55	18°31	9°52	S 13
S 14	9 57 37	1° 9'13	15°49	5°27	22°20	10°16	1° 8	2°15	17°44	6°52	27°10	21°20	20°52	18°38	9°56	S 14
M15	10 1 33	2° 9'15	29°17	6° 0	23°32	10°52	1°18	2°20	17°48	6°51	27°12	21°21	20°49	18°44	10° 0	M15
T 16	10 5 30	3° 9'15	12♋28	6°37	24°43	11°28	1°29	2°25	17°51	6°50	27°13	21°22	20°46	18°51	10° 4	T 16
W17	10 9 26	4° 9'13	25°25	7°18	25°55	12° 4	1°39	2°30	17°54	6°49	27°14	21°23	20°43	18°58	10° 7	W17
T 18	10 13 23	5° 9'08	8♌ 9	8° 3	27° 7	12°40	1°50	2°35	17°58	6°49	27°16	21°24	20°40	19° 4	10°11	T 18
F 19	10 17 20	6° 9'02	20°40	8°52	28°19	13°16	2° 1	2°41	18° 1	6°48	27°17	21°R24	20°36	19°11	10°15	F 19
S 20	10 21 16	7° 8'53	3♍ 1	9°43	29°31	13°51	2°11	2°46	18° 4	6°47	27°19	21°24	20°33	19°18	10°19	S 20
S 21	10 25 13	8° 8'43	15°12	10°38	0♒43	14°27	2°22	2°52	18° 8	6°47	27°20	21°22	20°30	19°24	10°23	S 21
M22	10 29 9	9° 8'30	27°16	11°36	1°55	15° 3	2°33	2°57	18°11	6°46	27°21	21°20	20°27	19°31	10°26	M22
T 23	10 33 6	10° 8'16	9♎13	12°37	3° 7	15°39	2°44	3° 3	18°15	6°46	27°23	21°17	20°24	19°38	10°30	T 23
W24	10 37 2	11° 7'59	21° 5	13°40	4°19	16°14	2°56	3° 9	18°18	6°45	27°24	21°14	20°21	19°45	10°34	W24
T 25	10 40 59	12° 7'41	2♏57	14°45	5°31	16°50	3° 7	3°14	18°22	6°44	27°26	21°11	20°17	19°51	10°38	T 25
F 26	10 44 55	13° 7'21	14°49	15°53	6°43	17°25	3°18	3°20	18°25	6°44	27°27	21° 8	20°14	19°58	10°41	F 26
S 27	10 48 52	14° 6'59	26°47	17° 3	7°55	18° 0	3°30	3°26	18°28	6°43	27°28	21° 6	20°11	20° 5	10°45	S 27
S 28	10 52 49	15♓ 6'35	8♐55	18♒15	9♒ 7	18♐36	3♉41	3♉32	18♓32	6♋43	27♓30	21♌ 5	20♌ 8	20♎11	10♓49	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	15s29	17s37	4n55	15s 5	3n32	22s 1	1n22	20s 9	0n36	10n15	1s 1	9n50	2s17	5s49	0s44	22n37	0s45	16s28	16s39	14n27	14n23	2s51	3s55	4n36
T 2	15 10	19 8	4 22	15 26	3 24	22 1	1 18	20 17	0 35	10 19	1 0	9 52	2 17	5 48	0 44	22 37	0 45	16 27	16 39	14 27	14 24	2 53	3 54	4 36
W 3	14 51	19 41	3 34	15 45	3 14	22 0	1 14	20 25	0 34	10 22	1 0	9 53	2 16	5 46	0 44	22 37	0 45	16 27	16 39	14 27	14 25	2 55	3 53	4 36
T 4	14 32	19 8	2 33	16 4	3 4	21 58	1 11	20 32	0 34	10 25	1 0	9 55	2 16	5 45	0 44	22 37	0 45	16 26	16 39	14 27	14 26	2 57	3 51	4 36
F 5	14 12	17 26	1 22	16 23	2 52	21 56	1 7	20 40	0 33	10 29	1 0	9 57	2 16	5 44	0 44	22 37	0 45	16 25	16 39	14 27	14 27	2 59	3 50	4 36
S 6	13 52	14 37	0 4	16 39	2 40	21 53	1 3	20 47	0 32	10 32	0 59	9 58	2 16	5 43	0 44	22 37	0 45	16 25	16 38	14 27	14 28	3 2	3 49	4 35
S 7	13 33	10 50	1s16	16 55	2 28	21 50	0 59	20 55	0 31	10 36	0 59	10 0	2 15	5 41	0 44	22 37	0 45	16 24	16 38	14 27	14 29	3 4	3 48	4 35
M 8	13 12	6 22	2 32	17 10	2 15	21 46	0 56	21 2	0 30	10 39	0 59	10 2	2 15	5 40	0 44	22 37	0 45	16 23	16 38	14 27	14 30	3 6	3 46	4 35
T 9	12 52	1 30	3 38	17 23	2 1	21 41	0 52	21 9	0 29	10 43	0 59	10 4	2 15	5 39	0 44	22 37	0 45	16 23	16 38	14 27	14 31	3 8	3 45	4 35
W10	12 31	3n25	4 29	17 34	1 48	21 36	0 48	21 15	0 28	10 47	0 59	10 6	2 15	5 37	0 44	22 37	0 45	16 22	16 38	14 27	14 32	3 10	3 44	4 35
T 11	12 11	8 5	5 2	17 44	1 35	21 30	0 45	21 22	0 28	10 50	0 58	10 7	2 14	5 36	0 44	22 37	0 45	16 21	16 37	14 27	14 33	3 12	3 42	4 35
F 12	11 50	12 13	5 17	17 53	1 22	21 23	0 41	21 29	0 27	10 54	0 58	10 9	2 14	5 35	0 44	22 38	0 45	16 21	16 37	14 28	14 34	3 14	3 41	4 35
S 13	11 28	15 35	5 12	18 0	1 9	21 16	0 37	21 35	0 26	10 58	0 58	10 11	2 14	5 34	0 44	22 38	0 45	16 20	16 37	14 28	14 35	3 16	3 40	4 35
S 14	11 7	18 1	4 49	18 5	0 56	21 8	0 34	21 41	0 25	11 1	0 58	10 13	2 14	5 32	0 44	22 38	0 45	16 19	16 37	14 28	14 36	3 18	3 38	4 35
M15	10 46	19 23	4 10	18 9	0 44	21 0	0 30	21 47	0 24	11 5	0 57	10 15	2 13	5 31	0 44	22 38	0 45	16 19	16 37	14 27	14 37	3 20	3 37	4 35
T 16	10 24	19 40	3 19	18 12	0 32	20 51	0 26	21 53	0 23	11 9	0 57	10 17	2 13	5 30	0 44	22 38	0 45	16 18	16 37	14 27	14 38	3 23	3 36	4 34
W17	10 2	18 53	2 19	18 13	0 20	20 41	0 23	21 59	0 22	11 13	0 57	10 19	2 13	5 28	0 44	22 38	0 45	16 17	16 37	14 27	14 40	3 25	3 34	4 34
T 18	9 40	17 9	1 13	18 13	0 8	20 31	0 19	22 5	0 21	11 17	0 57	10 21	2 13	5 27	0 44	22 38	0 45	16 17	16 36	14 26	14 41	3 27	3 33	4 34
F 19	9 18	14 36	0 4	18 11	0s 3	20 20	0 16	22 10	0 20	11 21	0 57	10 23	2 12	5 26	0 44	22 38	0 45	16 16	16 36	14 26	14 42	3 29	3 32	4 34
S 20	8 56	11 26	1n 4	18 7	0 14	20 9	0 12	22 16	0 19	11 25	0 56	10 25	2 12	5 24	0 44	22 38	0 45	16 15	16 36	14 26	14 43	3 31	3 30	4 34
S 21	8 33	7 49	2 8	18 2	0 24	19 57	0 9	22 21	0 18	11 29	0 56	10 27	2 12	5 23	0 44	22 38	0 45	16 15	16 36	14 27	14 44	3 33	3 29	4 34
M22	8 11	3 56	3 5	17 56	0 34	19 45	0 5	22 26	0 17	11 33	0 56	10 30	2 12	5 22	0 43	22 38	0 45	16 14	16 36	14 27	14 45	3 35	3 28	4 34
T 23	7 48	0s 5	3 54	17 48	0 43	19 32	0 2	22 31	0 16	11 37	0 56	10 32	2 12	5 20	0 43	22 38	0 45	16 13	16 36	14 28	14 46	3 37	3 26	4 34
W24	7 26	4 4	4 32	17 38	0 52	19 18	0s 1	22 36	0 15	11 41	0 56	10 34	2 11	5 19	0 43	22 38	0 45	16 13	16 36	14 29	14 47	3 39	3 25	4 34
T 25	7 3	7 52	4 59	17 28	1 1	19 4	0 5	22 40	0 14	11 45	0 55	10 36	2 11	5 18	0 43	22 38	0 45	16 12	16 36	14 30	14 48	3 41	3 24	4 34
F 26	6 40	11 23	5 13	17 15	1 9	18 49	0 8	22 45	0 13	11 49	0 55	10 38	2 11	5 16	0 43	22 38	0 45	16 11	16 36	14 31	14 49	3 44	3 22	4 34
S 27	6 17	14 27	5 13	17 2	1 17	18 34	0 11	22 49	0 11	11 53	0 55	10 40	2 11	5 15	0 43	22 39	0 45	16 11	16 35	14 32	14 50	3 46	3 21	4 34
S 28	5s54	16s58	5n 0	16s46	1s25	18s18	0s15	22s54	0n10	11n57	0s55	10n43	2s10	5s13	0s43	22n39	0s45	16s10	16s35	14n33	14n51	3s48	3s19	4n34

Julian Day Number = 2118115.5, Delta T = 18m25s
Ecliptic obliquity = 23°33'20, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°00'50, Lahiri = 11°07'51 Julian Calendar 1 Feb. 1087 == Greg. Calendar 7 Feb. 1087

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1087
geocentric

MARCH 1087 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 56 45	16♓ 6'10	21♐16	19♒29	10♒19	19♐11	3♉53	3♉38	18♓35	6°R43	27♓31	21°D 5	20♌ 5	20♎18	10♓53	M 1
T 2	11 0 42	17° 5'43	3♑56	20°45	11°32	19°46	4° 5	3°44	18°39	6♋42	27°33	21♌ 5	20° 1	20°25	10°57	T 2
W 3	11 4 38	18° 5'14	16°58	22° 3	12°44	20°21	4°17	3°51	18°42	6°42	27°34	21° 7	19°58	20°31	11° 0	W 3
T 4	11 8 35	19° 4'43	0♒25	23°23	13°56	20°56	4°28	3°57	18°46	6°42	27°36	21° 9	19°55	20°38	11° 4	T 4
F 5	11 12 31	20° 4'10	14°20	24°44	15° 9	21°31	4°40	4° 3	18°49	6°41	27°37	21°R10	19°52	20°45	11° 8	F 5
S 6	11 16 28	21° 3'36	28°41	26° 7	16°21	22° 6	4°52	4° 9	18°52	6°41	27°39	21°10	19°49	20°52	11°12	S 6
S 7	11 20 24	22° 2'59	13♓24	27°32	17°33	22°41	5° 5	4°16	18°56	6°41	27°40	21° 8	19°46	20°58	11°15	S 7
M 8	11 24 21	23° 2'21	28°24	28°58	18°46	23°15	5°17	4°22	18°59	6°41	27°41	21° 5	19°42	21° 5	11°19	M 8
T 9	11 28 17	24° 1'40	13♈31	0♓25	19°58	23°50	5°29	4°29	19° 3	6°41	27°43	21° 1	19°39	21°12	11°23	T 9
W10	11 32 14	25° 0'57	28°36	1°55	21°10	24°24	5°41	4°35	19° 6	6°41	27°44	20°56	19°36	21°18	11°26	W10
T 11	11 36 11	26° 0'12	13♉30	3°25	22°23	24°59	5°54	4°42	19°10	6°41	27°46	20°51	19°33	21°25	11°30	T 11
F 12	11 40 7	26°59'24	28° 5	4°57	23°35	25°33	6° 6	4°49	19°13	6°D41	27°47	20°47	19°30	21°32	11°34	F 12
S 13	11 44 4	27°58'34	12♊17	6°31	24°48	26° 7	6°19	4°55	19°16	6°41	27°49	20°44	19°26	21°39	11°38	S 13
S 14	11 48 0	28°57'42	26° 4	8° 6	26° 0	26°41	6°32	5° 2	19°20	6°41	27°50	20°D43	19°23	21°45	11°41	S 14
M15	11 51 57	29°56'48	9♋27	9°43	27°13	27°15	6°44	5° 9	19°23	6°41	27°52	20°43	19°20	21°52	11°45	M15
T 16	11 55 53	0♈55'51	22°29	11°21	28°25	27°49	6°57	5°16	19°27	6°41	27°53	20°45	19°17	21°59	11°48	T 16
W17	11 59 50	1°54'51	5♌11	13° 0	29°38	28°23	7°10	5°23	19°30	6°41	27°55	20°46	19°14	22° 5	11°52	W17
T 18	12 3 46	2°53'50	17°39	14°41	0♓51	28°56	7°23	5°30	19°33	6°41	27°56	20°R47	19°11	22°12	11°56	T 18
F 19	12 7 43	3°52'46	29°55	16°24	2° 3	29°30	7°36	5°37	19°37	6°41	27°58	20°47	19° 7	22°19	11°59	F 19
S 20	12 11 40	4°51'40	12♍ 2	18° 7	3°16	0♑ 3	7°48	5°44	19°40	6°42	27°59	20°44	19° 4	22°25	12° 3	S 20
S 21	12 15 36	5°50'31	24° 2	19°53	4°28	0°36	8° 2	5°51	19°43	6°42	28° 0	20°40	19° 1	22°32	12° 6	S 21
M22	12 19 33	6°49'21	5♎58	21°40	5°41	1°10	8°15	5°58	19°47	6°42	28° 2	20°33	18°58	22°39	12°10	M22
T 23	12 23 29	7°48'08	17°51	23°28	6°54	1°43	8°28	6° 5	19°50	6°43	28° 3	20°25	18°55	22°46	12°13	T 23
W24	12 27 26	8°46'54	29°43	25°18	8° 6	2°16	8°41	6°12	19°53	6°43	28° 5	20°16	18°52	22°52	12°17	W24
T 25	12 31 22	9°45'37	11♏36	27° 9	9°19	2°48	8°54	6°20	19°57	6°43	28° 6	20° 6	18°48	22°59	12°20	T 25
F 26	12 35 19	10°44'19	23°30	29° 2	10°31	3°21	9° 7	6°27	20° 0	6°44	28° 8	19°58	18°45	23° 6	12°24	F 26
S 27	12 39 15	11°42'59	5♐30	0♈57	11°44	3°54	9°21	6°34	20° 3	6°44	28° 9	19°50	18°42	23°12	12°27	S 27
S 28	12 43 12	12°41'37	17°39	2°53	12°57	4°26	9°34	6°41	20° 6	6°45	28°11	19°45	18°39	23°19	12°30	S 28
M29	12 47 9	13°40'14	29°58	4°50	14°10	4°58	9°47	6°49	20°10	6°45	28°12	19°42	18°36	23°26	12°34	M29
T 30	12 51 5	14°38'49	12♑34	6°49	15°22	5°31	10° 1	6°56	20°13	6°46	28°13	19°D41	18°32	23°33	12°37	T 30
W31	12 55 2	15♈37'22	25♑30	8♈50	16♓35	6♑ 3	10♉14	7♉ 4	20♓16	6♋46	28♓15	19♌41	18♌29	23♎39	12♓41	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s30	18s44	4n32	16s30	1s32	18s 1	0s18	22s58	0n 9	12n 1	0s55	10n45	2s10	5s12	0s43	22n39	0s44	16s 9	16s35	14n33	14n52	3s50	3s18	4n34
T 2	5 7	19 39	3 51	16 12	1 38	17 45	0 21	23 2	0 8	12 5	0 54	10 47	2 10	5 11	0 43	22 39	0 44	16 9	16 35	14 32	14 53	3 52	3 17	4 34
W 3	4 44	19 33	2 57	15 52	1 44	17 27	0 24	23 6	0 7	12 9	0 54	10 49	2 10	5 9	0 43	22 39	0 44	16 8	16 35	14 32	14 54	3 54	3 15	4 34
T 4	4 21	18 21	1 51	15 31	1 50	17 9	0 27	23 9	0 5	12 14	0 54	10 52	2 10	5 8	0 43	22 39	0 44	16 7	16 35	14 31	14 55	3 56	3 14	4 34
F 5	3 57	16 1	0 37	15 9	1 55	16 51	0 30	23 13	0 4	12 18	0 54	10 54	2 9	5 7	0 43	22 39	0 44	16 7	16 35	14 31	14 56	3 58	3 12	4 34
S 6	3 34	12 38	0s41	14 45	2 0	16 32	0 33	23 16	0 3	12 22	0 54	10 56	2 9	5 5	0 43	22 39	0 44	16 6	16 35	14 31	14 57	4 0	3 11	4 34
S 7	3 10	8 23	1 59	14 20	2 4	16 13	0 36	23 20	0 2	12 26	0 53	10 59	2 9	5 4	0 43	22 39	0 44	16 6	16 35	14 31	14 58	4 2	3 10	4 34
M 8	2 47	3 32	3 10	13 53	2 8	15 53	0 39	23 23	0 0	12 31	0 53	11 1	2 9	5 3	0 43	22 39	0 44	16 5	16 35	14 32	14 59	4 5	3 8	4 34
T 9	2 23	1n33	4 8	13 25	2 11	15 33	0 41	23 26	0s 1	12 35	0 53	11 3	2 9	5 1	0 43	22 39	0 44	16 4	16 35	14 34	15 0	4 7	3 7	4 34
W10	1 59	6 32	4 48	12 56	2 14	15 12	0 44	23 29	0 2	12 39	0 53	11 6	2 9	5 0	0 43	22 39	0 44	16 4	16 35	14 35	15 1	4 9	3 5	4 34
T 11	1 36	11 3	5 9	12 25	2 17	14 51	0 47	23 31	0 4	12 43	0 53	11 8	2 8	4 59	0 43	22 39	0 44	16 3	16 35	14 37	15 2	4 11	3 4	4 34
F 12	1 12	14 49	5 9	11 53	2 19	14 30	0 49	23 34	0 5	12 48	0 53	11 11	2 8	4 57	0 43	22 39	0 44	16 3	16 35	14 38	15 3	4 13	3 3	4 34
S 13	0 49	17 35	4 50	11 20	2 20	14 8	0 52	23 37	0 7	12 52	0 52	11 13	2 8	4 56	0 43	22 39	0 44	16 2	16 35	14 39	15 4	4 15	3 1	4 34
S 14	0 25	19 16	4 14	10 45	2 21	13 46	0 55	23 39	0 8	12 56	0 52	11 15	2 8	4 55	0 43	22 39	0 44	16 1	16 35	14 39	15 5	4 17	3 0	4 34
M15	0 1	19 48	3 26	10 9	2 22	13 23	0 57	23 41	0 10	13 1	0 52	11 18	2 8	4 53	0 43	22 39	0 44	16 1	16 35	14 39	15 6	4 19	2 58	4 34
T 16	0n22	19 14	2 28	9 32	2 22	13 0	0 59	23 43	0 11	13 5	0 52	11 20	2 8	4 52	0 43	22 39	0 44	16 0	16 35	14 39	15 7	4 21	2 57	4 34
W17	0 46	17 43	1 24	8 53	2 22	12 37	1 2	23 45	0 13	13 9	0 52	11 23	2 7	4 51	0 43	22 39	0 44	16 0	16 35	14 38	15 8	4 24	2 55	4 34
T 18	1 9	15 21	0 17	8 13	2 21	12 13	1 4	23 47	0 14	13 14	0 52	11 25	2 7	4 49	0 43	22 39	0 44	15 59	16 35	14 38	15 9	4 26	2 54	4 34
F 19	1 33	12 20	0n49	7 32	2 20	11 49	1 6	23 49	0 16	13 18	0 51	11 28	2 7	4 48	0 43	22 39	0 44	15 59	16 35	14 38	15 10	4 28	2 53	4 34
S 20	1 56	8 49	1 53	6 50	2 18	11 25	1 8	23 51	0 17	13 22	0 51	11 30	2 7	4 47	0 43	22 39	0 44	15 58	16 35	14 39	15 11	4 30	2 51	4 34
S 21	2 20	4 59	2 50	6 6	2 15	11 0	1 10	23 52	0 19	13 27	0 51	11 33	2 7	4 45	0 44	22 39	0 44	15 58	16 35	14 40	15 12	4 32	2 50	4 34
M22	2 43	0 58	3 39	5 21	2 12	10 35	1 12	23 54	0 21	13 31	0 51	11 35	2 7	4 44	0 44	22 39	0 44	15 57	16 35	14 42	15 13	4 34	2 49	4 34
T 23	3 7	3s 3	4 19	4 35	2 9	10 10	1 14	23 55	0 22	13 35	0 51	11 37	2 7	4 43	0 44	22 39	0 44	15 57	16 35	14 45	15 14	4 36	2 47	4 34
W24	3 30	6 57	4 47	3 47	2 5	9 44	1 16	23 56	0 24	13 40	0 51	11 40	2 6	4 41	0 44	22 39	0 44	15 56	16 35	14 48	15 15	4 38	2 46	4 34
T 25	3 53	10 35	5 3	2 59	2 1	9 19	1 17	23 57	0 26	13 44	0 51	11 42	2 6	4 40	0 44	22 39	0 44	15 56	16 35	14 51	15 16	4 40	2 44	4 34
F 26	4 16	13 48	5 6	2 9	1 56	8 53	1 19	23 58	0 27	13 49	0 50	11 45	2 6	4 39	0 44	22 39	0 44	15 55	16 35	14 54	15 17	4 43	2 43	4 34
S 27	4 39	16 29	4 55	1 18	1 50	8 26	1 21	23 59	0 29	13 53	0 50	11 47	2 6	4 38	0 44	22 40	0 44	15 55	16 35	14 56	15 18	4 45	2 42	4 34
S 28	5 2	18 29	4 31	0 26	1 44	8 0	1 22	24 0	0 31	13 57	0 50	11 50	2 6	4 36	0 44	22 40	0 44	15 54	16 36	14 58	15 19	4 47	2 40	4 35
M29	5 25	19 39	3 54	0n26	1 38	7 33	1 24	24 1	0 33	14 2	0 50	11 53	2 6	4 35	0 44	22 40	0 43	15 54	16 36	14 59	15 20	4 49	2 39	4 35
T 30	5 48	19 53	3 6	1 20	1 31	7 6	1 25	24 1	0 35	14 6	0 50	11 55	2 6	4 34	0 44	22 40	0 43	15 53	16 36	14 59	15 21	4 51	2 38	4 35
W31	6n11	19s 5	2n 6	2n15	1s23	6s39	1s26	24s 2	0s37	14n10	0s50	11n58	2s 6	4s33	0s44	22n40	0s43	15s53	16s36	14n59	15n22	4s53	2s36	4n35

Julian Day Number = 2118143.5, Delta T = 18m25s
Ecliptic obliquity = 23°33'21, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°00'54, Lahiri = 11°07'54 Julian Calendar 1 March 1087 == Greg. Calendar 7 March 1087

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1087
geocentric

APRIL 1087 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 58 58	16♈35'53	8♒50	10♈52	17♓48	6♑34	10♉28	7♉11	20♓19	6♋47	28♓16	19♌42	18♌26	23♎46	12♓44	T 1
F 2	13 2 55	17°34'23	22°37	12°55	19° 1	7° 6	10°41	7°19	20°22	6°48	28°18	19°R42	18°23	23°53	12°47	F 2
S 3	13 6 51	18°32'51	6♓52	14°59	20°13	7°38	10°55	7°26	20°25	6°49	28°19	19°41	18°20	23°59	12°50	S 3
S 4	13 10 48	19°31'18	21°33	17° 5	21°26	8° 9	11° 9	7°34	20°28	6°49	28°20	19°38	18°17	24° 6	12°53	S 4
M 5	13 14 44	20°29'42	6♈36	19°12	22°39	8°40	11°22	7°41	20°32	6°50	28°22	19°32	18°13	24°13	12°57	M 5
T 6	13 18 41	21°28'05	21°52	21°19	23°52	9°11	11°36	7°49	20°35	6°51	28°23	19°24	18°10	24°20	13° 0	T 6
W 7	13 22 37	22°26'26	7♉10	23°27	25° 5	9°42	11°50	7°56	20°38	6°52	28°24	19°14	18° 7	24°26	13° 3	W 7
T 8	13 26 34	23°24'45	22°20	25°36	26°18	10°12	12° 3	8° 4	20°41	6°53	28°26	19° 5	18° 4	24°33	13° 6	T 8
F 9	13 30 31	24°23'02	7♊10	27°45	27°30	10°43	12°17	8°12	20°44	6°53	28°27	18°57	18° 1	24°40	13° 9	F 9
S 10	13 34 27	25°21'17	21°35	29°54	28°43	11°13	12°31	8°19	20°47	6°54	28°29	18°50	17°58	24°46	13°12	S 10
S 11	13 38 24	26°19'30	5♋32	2♉ 3	29°56	11°43	12°45	8°27	20°50	6°55	28°30	18°47	17°54	24°53	13°15	S 11
M12	13 42 20	27°17'41	18°59	4°11	1♈ 9	12°13	12°59	8°35	20°53	6°56	28°31	18°45	17°51	25° 0	13°18	M12
T 13	13 46 17	28°15'50	2♌ 0	6°18	2°22	12°42	13°13	8°42	20°55	6°57	28°32	18°D45	17°48	25° 7	13°21	T 13
W14	13 50 13	29°13'57	14°39	8°24	3°35	13°12	13°27	8°50	20°58	6°58	28°34	18°R45	17°45	25°13	13°24	W14
T 15	13 54 10	0♉12'02	27° 0	10°29	4°47	13°41	13°40	8°58	21° 1	6°59	28°35	18°45	17°42	25°20	13°27	T 15
F 16	13 58 6	1°10'05	9♍ 8	12°32	6° 0	14°10	13°54	9° 5	21° 4	7° 1	28°36	18°43	17°38	25°27	13°29	F 16
S 17	14 2 3	2° 8'06	21° 7	14°32	7°13	14°39	14° 8	9°13	21° 7	7° 2	28°38	18°39	17°35	25°33	13°32	S 17
S 18	14 6 0	3° 6'05	3♎ 1	16°31	8°26	15° 7	14°22	9°21	21°10	7° 3	28°39	18°32	17°32	25°40	13°35	S 18
M19	14 9 56	4° 4'02	14°52	18°27	9°39	15°35	14°36	9°29	21°12	7° 4	28°40	18°22	17°29	25°47	13°38	M19
T 20	14 13 53	5° 1'58	26°44	20°20	10°52	16° 3	14°50	9°36	21°15	7° 5	28°41	18°10	17°26	25°54	13°40	T 20
W21	14 17 49	5°59'52	8♏37	22°11	12° 5	16°31	15° 4	9°44	21°18	7° 6	28°42	17°57	17°23	26° 0	13°43	W21
T 22	14 21 46	6°57'44	20°33	23°58	13°18	16°59	15°18	9°52	21°20	7° 8	28°44	17°43	17°19	26° 7	13°46	T 22
F 23	14 25 42	7°55'35	2♐33	25°43	14°31	17°26	15°32	10° 0	21°23	7° 9	28°45	17°30	17°16	26°14	13°48	F 23
S 24	14 29 39	8°53'25	14°40	27°24	15°44	17°53	15°47	10° 7	21°26	7°10	28°46	17°19	17°13	26°20	13°51	S 24
S 25	14 33 35	9°51'13	26°54	29° 2	16°57	18°19	16° 1	10°15	21°28	7°12	28°47	17°11	17°10	26°27	13°53	S 25
M26	14 37 32	10°49'00	9♑19	0♊36	18° 9	18°46	16°15	10°23	21°31	7°13	28°48	17° 5	17° 7	26°34	13°55	M26
T 27	14 41 29	11°46'46	21°56	2° 7	19°22	19°12	16°29	10°31	21°33	7°15	28°50	17° 2	17° 3	26°41	13°58	T 27
W28	14 45 25	12°44'30	4♒51	3°34	20°35	19°38	16°43	10°39	21°36	7°16	28°51	17° 1	17° 0	26°47	14° 0	W28
T 29	14 49 22	13°42'14	18° 6	4°58	21°48	20° 3	16°57	10°46	21°38	7°17	28°52	17° 1	16°57	26°54	14° 3	T 29
F 30	14 53 18	14♉39'56	1♓45	6♊18	23♈ 1	20♑28	17♉11	10♉54	21♓40	7♋19	28♓53	17♌ 1	16♌54	27♎ 1	14♓ 5	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n33	17s12	0n58	3n10	1s15	6s11	1s28	24s 2	0s39	14n15	0s50	12n 0	2s 5	4s31	0s44	22n40	0s43	15s52	16s36	14n59	15n23	4s55	2s35	4n35
F 2	6 56	14 17	0s16	4 6	1 7	5 44	1 29	24 2	0 40	14 19	0 50	12 3	2 5	4 30	0 44	22 40	0 43	15 52	16 36	14 59	15 24	4 57	2 34	4 35
S 3	7 18	10 26	1 30	5 3	0 58	5 16	1 30	24 2	0 42	14 24	0 49	12 5	2 5	4 29	0 44	22 40	0 43	15 51	16 36	14 59	15 25	4 59	2 32	4 35
S 4	7 40	5 50	2 42	6 0	0 49	4 48	1 31	24 3	0 44	14 28	0 49	12 8	2 5	4 28	0 44	22 40	0 43	15 51	16 36	15 0	15 26	5 2	2 31	4 35
M 5	8 3	0 47	3 43	6 57	0 39	4 20	1 32	24 3	0 46	14 32	0 49	12 10	2 5	4 26	0 44	22 40	0 43	15 50	16 36	15 2	15 26	5 4	2 30	4 35
T 6	8 25	4n23	4 30	7 54	0 29	3 52	1 33	24 3	0 49	14 37	0 49	12 13	2 5	4 25	0 44	22 40	0 43	15 50	16 37	15 5	15 27	5 6	2 28	4 35
W 7	8 46	9 18	4 57	8 52	0 19	3 24	1 34	24 3	0 51	14 41	0 49	12 15	2 5	4 24	0 44	22 40	0 43	15 50	16 37	15 7	15 28	5 8	2 27	4 35
T 8	9 8	13 33	5 3	9 49	0 9	2 55	1 34	24 2	0 53	14 45	0 49	12 18	2 5	4 23	0 44	22 39	0 43	15 49	16 37	15 10	15 29	5 10	2 26	4 36
F 9	9 30	16 52	4 48	10 45	0n 2	2 27	1 35	24 2	0 55	14 50	0 49	12 20	2 5	4 22	0 44	22 39	0 43	15 49	16 37	15 13	15 30	5 12	2 25	4 36
S 10	9 51	19 2	4 16	11 41	0 13	1 58	1 36	24 2	0 57	14 54	0 49	12 23	2 5	4 21	0 44	22 39	0 43	15 48	16 37	15 15	15 31	5 14	2 23	4 36
S 11	10 12	19 58	3 29	12 37	0 23	1 30	1 36	24 1	0 59	14 58	0 48	12 25	2 4	4 19	0 44	22 39	0 43	15 48	16 37	15 16	15 32	5 16	2 22	4 36
M12	10 34	19 42	2 31	13 31	0 34	1 1	1 36	24 1	1 2	15 3	0 48	12 28	2 4	4 18	0 44	22 39	0 43	15 48	16 38	15 17	15 33	5 18	2 21	4 36
T 13	10 55	18 23	1 28	14 23	0 45	0 32	1 37	24 0	1 4	15 7	0 48	12 31	2 4	4 17	0 44	22 39	0 43	15 47	16 38	15 17	15 34	5 21	2 20	4 36
W14	11 15	16 10	0 22	15 15	0 55	0 3	1 37	24 0	1 6	15 11	0 48	12 33	2 4	4 16	0 44	22 39	0 43	15 47	16 38	15 17	15 35	5 23	2 18	4 36
T 15	11 36	13 15	0n44	16 4	1 5	0n26	1 37	23 59	1 9	15 15	0 48	12 36	2 4	4 15	0 44	22 39	0 43	15 47	16 38	15 17	15 36	5 25	2 17	4 36
F 16	11 56	9 49	1 46	16 52	1 15	0 54	1 37	23 59	1 11	15 20	0 48	12 38	2 4	4 14	0 44	22 39	0 43	15 46	16 38	15 17	15 37	5 27	2 16	4 37
S 17	12 16	6 2	2 43	17 37	1 24	1 23	1 37	23 58	1 14	15 24	0 48	12 41	2 4	4 13	0 44	22 39	0 43	15 46	16 38	15 19	15 38	5 29	2 15	4 37
S 18	12 36	2 2	3 32	18 21	1 33	1 52	1 37	23 57	1 16	15 28	0 48	12 43	2 4	4 12	0 44	22 39	0 43	15 46	16 39	15 21	15 39	5 31	2 14	4 37
M19	12 56	2s 2	4 11	19 2	1 42	2 21	1 37	23 57	1 19	15 32	0 48	12 46	2 4	4 11	0 44	22 39	0 43	15 45	16 39	15 24	15 40	5 33	2 12	4 37
T 20	13 16	6 0	4 40	19 41	1 49	2 50	1 37	23 56	1 21	15 37	0 48	12 48	2 4	4 9	0 44	22 39	0 43	15 45	16 39	15 27	15 41	5 35	2 11	4 37
W21	13 35	9 46	4 56	20 17	1 57	3 19	1 37	23 55	1 24	15 41	0 47	12 51	2 4	4 8	0 44	22 39	0 43	15 45	16 39	15 32	15 42	5 37	2 10	4 37
T 22	13 54	13 9	5 0	20 50	2 3	3 47	1 37	23 54	1 26	15 45	0 47	12 53	2 4	4 7	0 44	22 39	0 43	15 44	16 40	15 36	15 43	5 40	2 9	4 37
F 23	14 13	16 2	4 50	21 22	2 9	4 16	1 36	23 53	1 29	15 49	0 47	12 56	2 4	4 6	0 44	22 39	0 43	15 44	16 40	15 40	15 44	5 42	2 8	4 38
S 24	14 32	18 15	4 27	21 50	2 14	4 45	1 36	23 52	1 32	15 53	0 47	12 58	2 4	4 5	0 44	22 39	0 43	15 44	16 40	15 43	15 45	5 44	2 7	4 38
S 25	14 50	19 39	3 52	22 17	2 18	5 13	1 35	23 51	1 35	15 58	0 47	13 1	2 4	4 4	0 44	22 39	0 43	15 44	16 40	15 46	15 46	5 46	2 6	4 38
M26	15 9	20 9	3 5	22 40	2 21	5 42	1 35	23 51	1 37	16 2	0 47	13 3	2 4	4 3	0 44	22 39	0 43	15 43	16 40	15 47	15 47	5 48	2 5	4 38
T 27	15 27	19 39	2 8	23 2	2 24	6 10	1 34	23 50	1 40	16 6	0 47	13 6	2 4	4 2	0 44	22 39	0 43	15 43	16 41	15 48	15 48	5 50	2 4	4 38
W28	15 44	18 7	1 4	23 21	2 25	6 38	1 33	23 49	1 43	16 10	0 47	13 8	2 3	4 2	0 44	22 39	0 42	15 43	16 41	15 49	15 49	5 52	2 2	4 38
T 29	16 2	15 34	0s 6	23 37	2 26	7 6	1 33	23 48	1 46	16 14	0 47	13 10	2 3	4 1	0 44	22 39	0 42	15 43	16 41	15 49	15 50	5 54	2 1	4 39
F 30	16n19	12s 6	1s17	23n52	2n26	7n34	1s32	23s47	1s49	16n18	0s47	13n13	2s 3	4s 0	0s44	22n39	0s42	15s43	16s41	15n49	15n51	5s56	2s 0	4n39

Julian Day Number = 2118174.5, Delta T = 18m24s
Ecliptic obliquity = 23°33'21, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°00'58, Lahiri = 11°07'59 Julian Calendar 1 Apr. 1087 == Greg. Calendar 7 Apr. 1087

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1087
geocentric

MAY 1087 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 57 15	15♉37'37	15♓49	7♊35	24♈14	20♑53	17♉25	11♉ 2	21♓43	7♋20	28♓54	16°R59	16♌51	27♎ 7	14♓ 7	S 1
S 2	15 1 11	16°35'17	0♈18	8°47	25°27	21°17	17°39	11°10	21°45	7°22	28°55	16♌55	16°48	27°14	14° 9	S 2
M 3	15 5 8	17°32'57	15°10	9°56	26°40	21°42	17°53	11°17	21°47	7°23	28°56	16°48	16°44	27°21	14°11	M 3
T 4	15 9 4	18°30'34	0♉18	11° 2	27°53	22° 5	18° 7	11°25	21°50	7°25	28°57	16°39	16°41	27°28	14°13	T 4
W 5	15 13 1	19°28'11	15°32	12° 3	29° 7	22°29	18°21	11°33	21°52	7°27	28°58	16°28	16°38	27°34	14°15	W 5
T 6	15 16 58	20°25'47	0♊42	13° 0	0♉20	22°52	18°36	11°41	21°54	7°28	28°59	16°17	16°35	27°41	14°17	T 6
F 7	15 20 54	21°23'22	15°36	13°53	1°33	23°14	18°50	11°48	21°56	7°30	29° 0	16° 7	16°32	27°48	14°19	F 7
S 8	15 24 51	22°20'55	0♋ 7	14°43	2°46	23°36	19° 4	11°56	21°58	7°32	29° 1	15°59	16°29	27°54	14°21	S 8
S 9	15 28 47	23°18'27	14°10	15°27	3°59	23°58	19°18	12° 4	22° 0	7°33	29° 2	15°54	16°25	28° 1	14°23	S 9
M10	15 32 44	24°15'57	27°44	16° 8	5°12	24°20	19°32	12°11	22° 2	7°35	29° 3	15°51	16°22	28° 8	14°25	M10
T 11	15 36 40	25°13'26	10♌50	16°45	6°25	24°41	19°46	12°19	22° 4	7°37	29° 4	15°50	16°19	28°15	14°27	T 11
W12	15 40 37	26°10'54	23°31	17°16	7°38	25° 1	20° 0	12°27	22° 6	7°38	29° 5	15°50	16°16	28°21	14°28	W12
T 13	15 44 33	27° 8'20	5♍52	17°44	8°51	25°21	20°14	12°34	22° 8	7°40	29° 6	15°50	16°13	28°28	14°30	T 13
F 14	15 48 30	28° 5'45	17°59	18° 7	10° 4	25°41	20°28	12°42	22°10	7°42	29° 6	15°49	16° 9	28°35	14°31	F 14
S 15	15 52 27	29° 3'09	29°56	18°25	11°17	26° 0	20°42	12°50	22°12	7°44	29° 7	15°45	16° 6	28°41	14°33	S 15
S 16	15 56 23	0♊ 0'32	11♎48	18°39	12°30	26°19	20°56	12°57	22°13	7°46	29° 8	15°39	16° 3	28°48	14°34	S 16
M17	16 0 20	0°57'53	23°39	18°48	13°43	26°37	21°10	13° 5	22°15	7°48	29° 9	15°30	16° 0	28°55	14°36	M17
T 18	16 4 16	1°55'14	5♏31	18°R53	14°57	26°54	21°24	13°12	22°17	7°49	29°10	15°19	15°57	29° 2	14°37	T 18
W19	16 8 13	2°52'33	17°28	18°53	16°10	27°12	21°38	13°20	22°18	7°51	29°10	15° 7	15°54	29° 8	14°39	W19
T 20	16 12 9	3°49'52	29°31	18°48	17°23	27°28	21°52	13°27	22°20	7°53	29°11	14°54	15°50	29°15	14°40	T 20
F 21	16 16 6	4°47'10	11♐40	18°39	18°36	27°45	22° 6	13°35	22°22	7°55	29°12	14°42	15°47	29°22	14°41	F 21
S 22	16 20 2	5°44'27	23°57	18°26	19°49	28° 0	22°20	13°42	22°23	7°57	29°13	14°32	15°44	29°28	14°42	S 22
S 23	16 23 59	6°41'44	6♑24	18° 9	21° 2	28°15	22°33	13°50	22°24	7°59	29°13	14°24	15°41	29°35	14°44	S 23
M24	16 27 56	7°39'00	19° 1	17°49	22°16	28°30	22°47	13°57	22°26	8° 1	29°14	14°19	15°38	29°42	14°45	M24
T 25	16 31 52	8°36'15	1♒49	17°25	23°29	28°44	23° 1	14° 4	22°27	8° 3	29°15	14°16	15°35	29°49	14°46	T 25
W26	16 35 49	9°33'31	14°51	16°58	24°42	28°57	23°15	14°12	22°29	8° 5	29°15	14°D15	15°31	29°55	14°47	W26
T 27	16 39 45	10°30'45	28°10	16°28	25°55	29°10	23°29	14°19	22°30	8° 7	29°16	14°16	15°28	0♏ 2	14°48	T 27
F 28	16 43 42	11°28'00	11♓47	15°57	27° 8	29°22	23°42	14°26	22°31	8° 9	29°16	14°R16	15°25	0° 9	14°48	F 28
S 29	16 47 38	12°25'14	25°43	15°24	28°22	29°33	23°56	14°33	22°32	8°11	29°17	14°15	15°22	0°15	14°49	S 29
S 30	16 51 35	13°22'28	10♈ 0	14°50	29°35	29°44	24°10	14°41	22°33	8°13	29°18	14°13	15°19	0°22	14°50	S 30
M31	16 55 31	14♊19'41	24♈35	14♊15	0♊48	29♑54	24♉23	14♉48	22♓35	8♋15	29♓18	14♌ 8	15♌15	0♏29	14♓51	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n36	7s52	2s26	24n 4	2n25	8n 2	1s31	23s46	1s52	16n22	0s47	13n15	2s 3	3s59	0s44	22n39	0s42	15s42	16s42	15n49	15n52	5s59	1s59	4n39
S 2	16 53	3 3	3 27	24 14	2 23	8 30	1 30	23 46	1 55	16 26	0 46	13 18	2 3	3 58	0 44	22 39	0 42	15 42	16 42	15 51	15 53	6 1	1 58	4 39
M 3	17 9	2n 4	4 16	24 22	2 21	8 57	1 29	23 45	1 58	16 30	0 46	13 20	2 3	3 57	0 44	22 39	0 42	15 42	16 42	15 53	15 54	6 3	1 57	4 39
T 4	17 25	7 8	4 48	24 28	2 17	9 25	1 28	23 44	2 2	16 34	0 46	13 23	2 3	3 56	0 44	22 39	0 42	15 42	16 43	15 55	15 55	6 5	1 56	4 39
W 5	17 41	11 47	5 0	24 32	2 13	9 52	1 27	23 43	2 5	16 38	0 46	13 25	2 3	3 55	0 44	22 38	0 42	15 42	16 43	15 59	15 56	6 7	1 56	4 40
T 6	17 57	15 39	4 51	24 34	2 7	10 19	1 25	23 43	2 8	16 42	0 46	13 27	2 3	3 54	0 44	22 38	0 42	15 42	16 43	16 2	15 57	6 9	1 55	4 40
F 7	18 12	18 26	4 22	24 35	2 1	10 45	1 24	23 42	2 11	16 46	0 46	13 30	2 3	3 54	0 44	22 38	0 42	15 41	16 43	16 5	15 58	6 11	1 54	4 40
S 8	18 27	19 57	3 37	24 33	1 54	11 12	1 23	23 42	2 15	16 50	0 46	13 32	2 3	3 53	0 44	22 38	0 42	15 41	16 44	16 7	15 59	6 13	1 53	4 40
S 9	18 41	20 10	2 39	24 31	1 46	11 38	1 21	23 41	2 18	16 54	0 46	13 34	2 3	3 52	0 44	22 38	0 42	15 41	16 44	16 9	15 59	6 16	1 52	4 40
M10	18 56	19 11	1 34	24 26	1 37	12 4	1 20	23 41	2 22	16 58	0 46	13 37	2 3	3 51	0 45	22 38	0 42	15 41	16 44	16 10	16 0	6 18	1 51	4 41
T 11	19 10	17 11	0 27	24 20	1 27	12 29	1 19	23 40	2 25	17 2	0 46	13 39	2 3	3 51	0 45	22 38	0 42	15 41	16 45	16 10	16 1	6 20	1 50	4 41
W12	19 23	14 23	0n41	24 12	1 16	12 55	1 17	23 40	2 29	17 6	0 46	13 41	2 3	3 50	0 45	22 38	0 42	15 41	16 45	16 10	16 2	6 22	1 49	4 41
T 13	19 37	11 1	1 44	24 4	1 5	13 20	1 15	23 40	2 32	17 9	0 46	13 44	2 3	3 49	0 45	22 38	0 42	15 41	16 45	16 10	16 3	6 24	1 48	4 41
F 14	19 50	7 15	2 41	23 53	0 52	13 44	1 14	23 40	2 36	17 13	0 46	13 46	2 3	3 48	0 45	22 38	0 42	15 41	16 45	16 10	16 4	6 26	1 48	4 41
S 15	20 3	3 15	3 31	23 42	0 39	14 9	1 12	23 40	2 39	17 17	0 46	13 48	2 3	3 48	0 45	22 38	0 42	15 41	16 46	16 12	16 5	6 28	1 47	4 42
S 16	20 15	0s51	4 11	23 29	0 25	14 33	1 10	23 40	2 43	17 21	0 45	13 51	2 3	3 47	0 45	22 38	0 42	15 41	16 46	16 13	16 6	6 30	1 46	4 42
M17	20 27	4 53	4 40	23 16	0 11	14 57	1 9	23 40	2 47	17 24	0 45	13 53	2 3	3 46	0 45	22 38	0 42	15 41	16 46	16 16	16 7	6 32	1 45	4 42
T 18	20 39	8 46	4 57	23 1	0s 4	15 20	1 7	23 40	2 51	17 28	0 45	13 55	2 3	3 46	0 45	22 38	0 42	15 41	16 47	16 19	16 8	6 35	1 45	4 42
W19	20 50	12 19	5 1	22 45	0 20	15 43	1 5	23 40	2 55	17 32	0 45	13 57	2 3	3 45	0 45	22 37	0 42	15 41	16 47	16 23	16 9	6 37	1 44	4 42
T 20	21 1	15 24	4 52	22 29	0 36	16 6	1 3	23 41	2 58	17 36	0 45	13 59	2 3	3 45	0 45	22 37	0 42	15 41	16 47	16 27	16 10	6 39	1 43	4 43
F 21	21 12	17 51	4 29	22 11	0 53	16 28	1 1	23 42	3 2	17 39	0 45	14 2	2 3	3 44	0 45	22 37	0 42	15 41	16 48	16 30	16 11	6 41	1 43	4 43
S 22	21 22	19 32	3 54	21 53	1 10	16 50	0 59	23 42	3 6	17 43	0 45	14 4	2 4	3 43	0 45	22 37	0 42	15 41	16 48	16 33	16 12	6 43	1 42	4 43
S 23	21 32	20 17	3 7	21 35	1 27	17 11	0 57	23 43	3 10	17 46	0 45	14 6	2 4	3 43	0 45	22 37	0 42	15 41	16 48	16 36	16 13	6 45	1 41	4 43
M24	21 42	20 3	2 10	21 16	1 44	17 32	0 55	23 44	3 15	17 50	0 45	14 8	2 4	3 42	0 45	22 37	0 42	15 41	16 49	16 37	16 14	6 47	1 41	4 44
T 25	21 51	18 47	1 6	20 57	2 1	17 53	0 53	23 45	3 19	17 53	0 45	14 10	2 4	3 42	0 45	22 37	0 42	15 41	16 49	16 38	16 15	6 49	1 40	4 44
W26	21 59	16 31	0s 3	20 38	2 18	18 13	0 51	23 47	3 23	17 57	0 45	14 12	2 4	3 41	0 45	22 37	0 42	15 41	16 49	16 38	16 16	6 51	1 40	4 44
T 27	22 8	13 19	1 13	20 19	2 34	18 33	0 49	23 48	3 27	18 0	0 45	14 15	2 4	3 41	0 45	22 37	0 42	15 41	16 50	16 38	16 17	6 54	1 39	4 44
F 28	22 16	9 21	2 21	20 0	2 49	18 52	0 46	23 50	3 31	18 4	0 45	14 17	2 4	3 40	0 45	22 37	0 42	15 41	16 50	16 38	16 17	6 56	1 38	4 44
S 29	22 24	4 48	3 22	19 42	3 4	19 10	0 44	23 51	3 36	18 7	0 45	14 19	2 4	3 40	0 45	22 36	0 42	15 41	16 50	16 38	16 18	6 58	1 38	4 45
S 30	22 31	0n 7	4 12	19 24	3 18	19 29	0 42	23 53	3 40	18 11	0 45	14 21	2 4	3 39	0 45	22 36	0 42	15 41	16 51	16 39	16 19	7 0	1 37	4 45
M31	22n38	5n 7	4s47	19n 7	3s31	19n46	0s40	23s55	3s44	18n14	0s45	14n23	2s 4	3s39	0s45	22n36	0s42	15s41	16s51	16n40	16n20	7s 2	1s37	4n45

Julian Day Number = 2118204.5, Delta T = 18m24s
Ecliptic obliquity = 23°33'21, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°01'02, Lahiri = 11°08'03 Julian Calendar 1 May 1087 == Greg. Calendar 7 May 1087

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1087
geocentric

JUNE 1087 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 59 28	15♊16'55	9♉24	13°R41	2♊ 2	0♒ 4	24♉37	14♉55	22♓36	8♋17	29♓19	14°R 1	15♌12	0♏36	14♓51	T 1
W 2	17 3 25	16°14'08	24°19	13♊ 8	3°15	0°13	24°50	15° 2	22°37	8°19	29°19	13♌53	15° 9	0°42	14°52	W 2
T 3	17 7 21	17°11'21	9♊13	12°36	4°28	0°21	25° 4	15° 9	22°38	8°21	29°20	13°44	15° 6	0°49	14°52	T 3
F 4	17 11 18	18° 8'34	23°56	12° 6	5°42	0°28	25°17	15°16	22°38	8°24	29°20	13°36	15° 3	0°56	14°53	F 4
S 5	17 15 14	19° 5'47	8♋20	11°38	6°55	0°35	25°31	15°23	22°39	8°26	29°20	13°30	15° 0	1° 2	14°53	S 5
S 6	17 19 11	20° 2'59	22°21	11°14	8° 8	0°41	25°44	15°30	22°40	8°28	29°21	13°26	14°56	1° 9	14°54	S 6
M 7	17 23 7	21° 0'11	5♌55	10°52	9°22	0°46	25°58	15°37	22°41	8°30	29°21	13°24	14°53	1°16	14°54	M 7
T 8	17 27 4	21°57'22	19° 4	10°34	10°35	0°51	26°11	15°43	22°42	8°32	29°22	13°D24	14°50	1°23	14°54	T 8
W 9	17 31 0	22°54'33	1♍48	10°21	11°49	0°54	26°24	15°50	22°42	8°34	29°22	13°25	14°47	1°29	14°55	W 9
T 10	17 34 57	23°51'43	14°12	10°11	13° 2	0°57	26°37	15°57	22°43	8°36	29°22	13°26	14°44	1°36	14°55	T 10
F 11	17 38 54	24°48'53	26°21	10° 6	14°15	1° 0	26°51	16° 4	22°44	8°39	29°23	13°R26	14°41	1°43	14°55	F 11
S 12	17 42 50	25°46'02	8♎20	10°D 6	15°29	1° 1	27° 4	16°10	22°44	8°41	29°23	13°25	14°37	1°50	14°R55	S 12
S 13	17 46 47	26°43'12	20°13	10°11	16°42	1° 2	27°17	16°17	22°45	8°43	29°23	13°23	14°34	1°56	14°55	S 13
M14	17 50 43	27°40'21	2♏ 5	10°20	17°56	1°R 2	27°30	16°23	22°45	8°45	29°23	13°18	14°31	2° 3	14°55	M14
T 15	17 54 40	28°37'29	14° 0	10°35	19° 9	1° 1	27°43	16°30	22°45	8°47	29°23	13°12	14°28	2°10	14°55	T 15
W16	17 58 36	29°34'38	26° 2	10°55	20°23	1° 0	27°56	16°36	22°46	8°50	29°24	13° 4	14°25	2°16	14°55	W16
T 17	18 2 33	0♋31'47	8♐11	11°19	21°36	0°58	28° 9	16°43	22°46	8°52	29°24	12°57	14°21	2°23	14°54	T 17
F 18	18 6 29	1°28'55	20°31	11°49	22°50	0°55	28°22	16°49	22°46	8°54	29°24	12°49	14°18	2°30	14°54	F 18
S 19	18 10 26	2°26'04	3♑ 3	12°24	24° 3	0°51	28°34	16°55	22°46	8°56	29°24	12°43	14°15	2°37	14°54	S 19
S 20	18 14 23	3°23'13	15°46	13° 3	25°17	0°47	28°47	17° 1	22°47	8°58	29°24	12°39	14°12	2°43	14°53	S 20
M21	18 18 19	4°20'22	28°41	13°48	26°31	0°41	29° 0	17° 8	22°47	9° 1	29°24	12°36	14° 9	2°50	14°53	M21
T 22	18 22 16	5°17'32	11♒48	14°37	27°44	0°35	29°12	17°14	22°R47	9° 3	29°24	12°D35	14° 6	2°57	14°52	T 22
W23	18 26 12	6°14'42	25° 8	15°32	28°58	0°29	29°25	17°20	22°47	9° 5	29°24	12°36	14° 2	3° 3	14°52	W23
T 24	18 30 9	7°11'52	8♓40	16°31	0♋12	0°21	29°37	17°26	22°47	9° 7	29°R24	12°37	13°59	3°10	14°51	T 24
F 25	18 34 5	8° 9'03	22°25	17°35	1°25	0°13	29°50	17°32	22°46	9°10	29°24	12°38	13°56	3°17	14°51	F 25
S 26	18 38 2	9° 6'15	6♈23	18°43	2°39	0° 5	0♊ 2	17°37	22°46	9°12	29°24	12°R39	13°53	3°24	14°50	S 26
S 27	18 41 59	10° 3'27	20°33	19°56	3°53	29♑55	0°15	17°43	22°46	9°14	29°24	12°39	13°50	3°30	14°49	S 27
M28	18 45 55	11° 0'40	4♉54	21°14	5° 6	29°45	0°27	17°49	22°46	9°16	29°24	12°37	13°46	3°37	14°48	M28
T 29	18 49 52	11°57'54	19°22	22°35	6°20	29°34	0°39	17°55	22°46	9°18	29°24	12°34	13°43	3°44	14°47	T 29
W30	18 53 48	12♋55'09	3♊53	24♊ 2	7♋34	29♑23	0♊51	18♉ 0	22♓45	9♋21	29♓24	12♌30	13♌40	3♏51	14♓46	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n44	9n54	5s 4	18n52	3s43	20n 3	0s38	23s58	3s49	18n18	0s45	14n25	2s 4	3s39	0s45	22n36	0s42	15s41	16s51	16n42	16n21	7s 4	1s37	4n45
W 2	22 50	14 6	5 0	18 37	3 54	20 20	0 35	24 0	3 53	18 21	0 45	14 27	2 4	3 38	0 45	22 36	0 42	15 42	16 52	16 45	16 22	7 6	1 36	4 45
T 3	22 56	17 24	4 35	18 24	4 3	20 36	0 33	24 3	3 58	18 24	0 45	14 29	2 4	3 38	0 45	22 36	0 42	15 42	16 52	16 47	16 23	7 8	1 36	4 46
F 4	23 1	19 32	3 53	18 12	4 11	20 51	0 31	24 5	4 2	18 27	0 45	14 31	2 4	3 38	0 45	22 36	0 42	15 42	16 53	16 49	16 24	7 10	1 35	4 46
S 5	23 6	20 21	2 56	18 2	4 18	21 6	0 28	24 8	4 7	18 31	0 45	14 33	2 4	3 37	0 45	22 36	0 42	15 42	16 53	16 51	16 25	7 13	1 35	4 46
S 6	23 11	19 52	1 51	17 54	4 23	21 21	0 26	24 11	4 11	18 34	0 44	14 35	2 4	3 37	0 45	22 36	0 42	15 42	16 53	16 52	16 26	7 15	1 35	4 46
M 7	23 15	18 14	0 40	17 47	4 27	21 35	0 23	24 15	4 16	18 37	0 44	14 37	2 4	3 37	0 45	22 35	0 42	15 42	16 54	16 53	16 27	7 17	1 34	4 47
T 8	23 19	15 40	0n30	17 42	4 29	21 48	0 21	24 18	4 20	18 40	0 44	14 38	2 5	3 37	0 45	22 35	0 42	15 43	16 54	16 53	16 28	7 19	1 34	4 47
W 9	23 22	12 24	1 37	17 40	4 30	22 0	0 19	24 22	4 25	18 43	0 44	14 40	2 5	3 36	0 46	22 35	0 42	15 43	16 54	16 53	16 29	7 21	1 34	4 47
T 10	23 25	8 40	2 38	17 39	4 29	22 12	0 16	24 25	4 30	18 47	0 44	14 42	2 5	3 36	0 46	22 35	0 41	15 43	16 55	16 52	16 30	7 23	1 33	4 47
F 11	23 27	4 40	3 30	17 40	4 27	22 24	0 14	24 29	4 34	18 50	0 44	14 44	2 5	3 36	0 46	22 35	0 41	15 43	16 55	16 52	16 31	7 25	1 33	4 47
S 12	23 29	0 33	4 13	17 43	4 24	22 34	0 11	24 34	4 39	18 53	0 44	14 46	2 5	3 36	0 46	22 35	0 41	15 43	16 55	16 52	16 32	7 27	1 33	4 48
S 13	23 31	3s34	4 44	17 48	4 20	22 44	0 9	24 38	4 44	18 56	0 44	14 48	2 5	3 36	0 46	22 35	0 41	15 44	16 56	16 53	16 32	7 29	1 33	4 48
M14	23 32	7 32	5 2	17 55	4 14	22 54	0 7	24 42	4 48	18 59	0 44	14 49	2 5	3 35	0 46	22 35	0 41	15 44	16 56	16 55	16 33	7 32	1 33	4 48
T 15	23 33	11 13	5 8	18 3	4 8	23 2	0 4	24 47	4 53	19 2	0 44	14 51	2 5	3 35	0 46	22 34	0 41	15 44	16 57	16 56	16 34	7 34	1 32	4 48
W16	23 33	14 29	5 0	18 13	4 1	23 11	0 2	24 52	4 57	19 5	0 44	14 53	2 5	3 35	0 46	22 34	0 41	15 44	16 57	16 58	16 35	7 36	1 32	4 49
T 17	23 33	17 11	4 39	18 25	3 52	23 18	0n 1	24 57	5 2	19 8	0 44	14 55	2 5	3 35	0 46	22 34	0 41	15 45	16 57	17 1	16 36	7 38	1 32	4 49
F 18	23 33	19 9	4 5	18 38	3 43	23 25	0 3	25 2	5 6	19 10	0 44	14 56	2 5	3 35	0 46	22 34	0 41	15 45	16 58	17 3	16 37	7 40	1 32	4 49
S 19	23 32	20 13	3 18	18 52	3 33	23 31	0 6	25 7	5 11	19 13	0 44	14 58	2 6	3 35	0 46	22 34	0 41	15 45	16 58	17 4	16 38	7 42	1 32	4 49
S 20	23 31	20 18	2 20	19 7	3 23	23 36	0 8	25 12	5 15	19 16	0 44	15 0	2 6	3 35	0 46	22 34	0 41	15 46	16 58	17 6	16 39	7 44	1 32	4 49
M21	23 29	19 18	1 15	19 24	3 12	23 41	0 10	25 18	5 20	19 19	0 44	15 1	2 6	3 35	0 46	22 34	0 41	15 46	16 59	17 6	16 40	7 46	1 32	4 50
T 22	23 27	17 16	0 4	19 41	3 0	23 45	0 13	25 24	5 24	19 22	0 44	15 3	2 6	3 35	0 46	22 33	0 41	15 46	16 59	17 7	16 41	7 48	1 32	4 50
W23	23 24	14 16	1s 8	19 59	2 48	23 48	0 15	25 29	5 29	19 24	0 44	15 4	2 6	3 35	0 46	22 33	0 41	15 46	17 0	17 7	16 42	7 50	1 32	4 50
T 24	23 22	10 29	2 17	20 18	2 35	23 51	0 17	25 35	5 33	19 27	0 44	15 6	2 6	3 35	0 46	22 33	0 41	15 47	17 0	17 6	16 43	7 53	1 32	4 50
F 25	23 18	6 5	3 20	20 36	2 22	23 53	0 20	25 41	5 37	19 30	0 44	15 7	2 6	3 35	0 46	22 33	0 41	15 47	17 0	17 6	16 44	7 55	1 32	4 50
S 26	23 14	1 18	4 12	20 56	2 9	23 54	0 22	25 47	5 41	19 32	0 44	15 9	2 6	3 35	0 46	22 33	0 41	15 47	17 1	17 6	16 44	7 57	1 32	4 51
S 27	23 10	3n36	4 49	21 15	1 56	23 54	0 24	25 53	5 45	19 35	0 44	15 10	2 6	3 35	0 46	22 33	0 41	15 48	17 1	17 6	16 45	7 59	1 32	4 51
M28	23 6	8 21	5 9	21 34	1 42	23 54	0 27	25 59	5 49	19 38	0 44	15 12	2 7	3 36	0 46	22 33	0 41	15 48	17 1	17 6	16 46	8 1	1 32	4 51
T 29	23 1	12 41	5 10	21 52	1 29	23 53	0 29	26 5	5 53	19 40	0 44	15 13	2 7	3 36	0 46	22 32	0 41	15 49	17 2	17 7	16 47	8 3	1 32	4 51
W30	22n55	16n16	4s51	22n10	1s15	23n51	0n31	26s11	5s57	19n43	0s44	15n15	2s 7	3s36	0s46	22n32	0s41	15s49	17s 2	17n 8	16n48	8s 5	1s33	4n51

Julian Day Number = 2118235.5, Delta T = 18m24s
Ecliptic obliquity = 23°33'20, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°01'07, Lahiri = 11°08'07 Julian Calendar 1 June 1087 == Greg. Calendar 7 June 1087

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1087
geocentric

JULY 1087 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 57 45	13♋52'25	18♊20	25♊32	8♋48	29°R11	1♊ 3	18♉ 6	22°R45	9♋23	29°R24	12°R26	13♌37	3♏57	14°R46	T 1
F 2	19 1 41	14°49'41	2♋40	27° 7	10° 1	28♂58	1°15	18°11	22♓44	9°25	29♓24	12♌22	13°34	4° 4	14♓44	F 2
S 3	19 5 38	15°46'58	16°45	28°45	11°15	28°45	1°27	18°16	22°44	9°27	29°23	12°19	13°31	4°11	14°43	S 3
S 4	19 9 34	16°44'15	0♌32	0♋27	12°29	28°32	1°39	18°22	22°43	9°30	29°23	12°18	13°27	4°17	14°42	S 4
M 5	19 13 31	17°41'33	13°58	2°13	13°43	28°18	1°50	18°27	22°43	9°32	29°23	12°D17	13°24	4°24	14°41	M 5
T 6	19 17 28	18°38'52	27° 2	4° 2	14°57	28° 4	2° 2	18°32	22°42	9°34	29°23	12°18	13°21	4°31	14°40	T 6
W 7	19 21 24	19°36'11	9♍46	5°54	16°11	27°49	2°14	18°37	22°42	9°36	29°23	12°19	13°18	4°38	14°39	W 7
T 8	19 25 21	20°33'30	22°11	7°49	17°25	27°34	2°25	18°42	22°41	9°38	29°22	12°21	13°15	4°44	14°37	T 8
F 9	19 29 17	21°30'51	4♎22	9°46	18°39	27°19	2°36	18°47	22°40	9°41	29°22	12°22	13°12	4°51	14°36	F 9
S 10	19 33 14	22°28'11	16°22	11°45	19°52	27° 3	2°48	18°52	22°39	9°43	29°22	12°23	13° 8	4°58	14°34	S 10
S 11	19 37 10	23°25'32	28°17	13°47	21° 6	26°47	2°59	18°57	22°38	9°45	29°21	12°R23	13° 5	5° 4	14°33	S 11
M12	19 41 7	24°22'54	10♏10	15°49	22°20	26°31	3°10	19° 1	22°37	9°47	29°21	12°22	13° 2	5°11	14°31	M12
T 13	19 45 3	25°20'17	22° 7	17°53	23°34	26°15	3°21	19° 6	22°37	9°49	29°20	12°21	12°59	5°18	14°30	T 13
W14	19 49 0	26°17'40	4♐11	19°57	24°48	25°59	3°32	19°11	22°36	9°51	29°20	12°19	12°56	5°25	14°28	W14
T 15	19 52 57	27°15'04	16°26	22° 2	26° 2	25°43	3°43	19°15	22°35	9°54	29°20	12°16	12°52	5°31	14°27	T 15
F 16	19 56 53	28°12'29	28°55	24° 7	27°16	25°27	3°54	19°19	22°33	9°56	29°19	12°14	12°49	5°38	14°25	F 16
S 17	20 0 50	29° 9'55	11♑39	26°12	28°30	25°11	4° 4	19°24	22°32	9°58	29°19	12°13	12°46	5°45	14°23	S 17
S 18	20 4 46	0♒ 7'22	24°40	28°17	29°44	24°56	4°15	19°28	22°31	10° 0	29°18	12°12	12°43	5°52	14°21	S 18
M19	20 8 43	1° 4'50	7♒56	0♌21	0♌59	24°40	4°25	19°32	22°30	10° 2	29°18	12°D11	12°40	5°58	14°20	M19
T 20	20 12 39	2° 2'18	21°27	2°24	2°13	24°25	4°36	19°36	22°29	10° 4	29°17	12°11	12°37	6° 5	14°18	T 20
W21	20 16 36	2°59'49	5♓12	4°27	3°27	24° 9	4°46	19°40	22°27	10° 6	29°17	12°12	12°33	6°12	14°16	W21
T 22	20 20 32	3°57'20	19° 8	6°28	4°41	23°55	4°56	19°44	22°26	10° 8	29°16	12°12	12°30	6°18	14°14	T 22
F 23	20 24 29	4°54'53	3♈12	8°28	5°55	23°40	5° 6	19°48	22°25	10°11	29°15	12°13	12°27	6°25	14°12	F 23
S 24	20 28 26	5°52'27	17°22	10°27	7° 9	23°26	5°16	19°51	22°23	10°13	29°15	12°14	12°24	6°32	14°10	S 24
S 25	20 32 22	6°50'03	1♉35	12°25	8°23	23°12	5°26	19°55	22°22	10°15	29°14	12°R14	12°21	6°39	14° 8	S 25
M26	20 36 19	7°47'40	15°50	14°21	9°38	22°59	5°36	19°58	22°20	10°17	29°14	12°14	12°18	6°45	14° 6	M26
T 27	20 40 15	8°45'19	0♊ 2	16°16	10°52	22°46	5°46	20° 2	22°19	10°19	29°13	12°14	12°14	6°52	14° 3	T 27
W28	20 44 12	9°43'00	14°10	18°10	12° 6	22°33	5°55	20° 5	22°17	10°21	29°12	12°13	12°11	6°59	14° 1	W28
T 29	20 48 8	10°40'42	28°12	20° 2	13°20	22°22	6° 4	20° 8	22°16	10°23	29°12	12°13	12° 8	7° 6	13°59	T 29
F 30	20 52 5	11°38'26	12♋ 3	21°53	14°35	22°10	6°14	20°12	22°14	10°25	29°11	12°13	12° 5	7°12	13°57	F 30
S 31	20 56 1	12♌36'12	25♋42	23♌42	15♌49	22♂ 0	6♊23	20♉15	22♓12	10♋27	29♓10	12°D13	12♌ 2	7♏19	13♓55	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n50	18n50	4s13	22n27	1s 2	23n49	0n33	26s17	6s 0	19n45	0s44	15n16	2s 7	3s36	0s46	22n32	0s41	15s49	17s 2	17n 9	16n49	8s 7	1s33	4n52
F 2	22 44	20 12	3 20	22 43	0 48	23 46	0 35	26 23	6 4	19 48	0 44	15 18	2 7	3 36	0 46	22 32	0 41	15 50	17 3	17 10	16 50	8 9	1 33	4 52
S 3	22 37	20 16	2 16	22 58	0 35	23 42	0 38	26 29	6 7	19 50	0 44	15 19	2 7	3 36	0 46	22 32	0 41	15 50	17 3	17 11	16 51	8 12	1 33	4 52
S 4	22 30	19 5	1 4	23 11	0 22	23 37	0 40	26 35	6 10	19 52	0 44	15 20	2 7	3 37	0 46	22 32	0 41	15 51	17 4	17 12	16 52	8 14	1 34	4 52
M 5	22 23	16 52	0n 9	23 23	0 10	23 32	0 42	26 41	6 13	19 55	0 44	15 22	2 8	3 37	0 46	22 32	0 41	15 51	17 4	17 12	16 53	8 16	1 34	4 52
T 6	22 15	13 49	1 20	23 32	0n 3	23 26	0 44	26 47	6 16	19 57	0 44	15 23	2 8	3 37	0 47	22 31	0 41	15 51	17 4	17 12	16 54	8 18	1 34	4 53
W 7	22 7	10 11	2 25	23 40	0 14	23 20	0 46	26 53	6 19	19 59	0 44	15 24	2 8	3 38	0 47	22 31	0 41	15 52	17 5	17 11	16 55	8 20	1 34	4 53
T 8	21 58	6 12	3 22	23 45	0 26	23 12	0 48	26 59	6 21	20 2	0 44	15 25	2 8	3 38	0 47	22 31	0 41	15 52	17 5	17 11	16 55	8 22	1 35	4 53
F 9	21 50	2 3	4 9	23 48	0 36	23 4	0 50	27 4	6 24	20 4	0 44	15 26	2 8	3 38	0 47	22 31	0 41	15 53	17 5	17 10	16 56	8 24	1 35	4 53
S 10	21 40	2s 6	4 43	23 48	0 46	22 56	0 52	27 9	6 26	20 6	0 44	15 28	2 8	3 39	0 47	22 31	0 41	15 53	17 6	17 10	16 57	8 26	1 36	4 53
S 11	21 31	6 9	5 6	23 46	0 56	22 46	0 53	27 15	6 28	20 8	0 44	15 29	2 8	3 39	0 47	22 31	0 41	15 54	17 6	17 10	16 58	8 28	1 36	4 54
M12	21 21	9 57	5 15	23 40	1 4	22 36	0 55	27 20	6 30	20 10	0 44	15 30	2 9	3 39	0 47	22 31	0 41	15 54	17 6	17 10	16 59	8 30	1 36	4 54
T 13	21 10	13 23	5 11	23 33	1 12	22 25	0 57	27 25	6 32	20 12	0 44	15 31	2 9	3 40	0 47	22 30	0 41	15 55	17 7	17 11	17 0	8 33	1 37	4 54
W14	21 0	16 17	4 53	23 22	1 19	22 14	0 59	27 29	6 33	20 15	0 44	15 32	2 9	3 40	0 47	22 30	0 41	15 55	17 7	17 11	17 1	8 35	1 37	4 54
T 15	20 49	18 32	4 21	23 9	1 25	22 2	1 0	27 34	6 35	20 17	0 44	15 33	2 9	3 41	0 47	22 30	0 41	15 55	17 7	17 12	17 2	8 37	1 38	4 54
F 16	20 37	19 56	3 37	22 53	1 30	21 49	1 2	27 38	6 36	20 19	0 44	15 34	2 9	3 41	0 47	22 30	0 41	15 56	17 8	17 13	17 3	8 39	1 38	4 54
S 17	20 25	20 22	2 41	22 34	1 35	21 36	1 4	27 42	6 37	20 21	0 44	15 35	2 9	3 41	0 47	22 30	0 41	15 56	17 8	17 13	17 4	8 41	1 39	4 54
S 18	20 13	19 44	1 35	22 13	1 39	21 22	1 5	27 46	6 38	20 23	0 44	15 36	2 10	3 42	0 47	22 30	0 41	15 57	17 8	17 13	17 5	8 43	1 39	4 55
M19	20 1	18 0	0 24	21 50	1 42	21 7	1 7	27 49	6 38	20 24	0 44	15 37	2 10	3 42	0 47	22 29	0 41	15 57	17 9	17 13	17 5	8 45	1 40	4 55
T 20	19 48	15 14	0s51	21 25	1 44	20 52	1 8	27 53	6 39	20 26	0 44	15 38	2 10	3 43	0 47	22 29	0 41	15 58	17 9	17 13	17 6	8 47	1 41	4 55
W21	19 35	11 34	2 4	20 57	1 46	20 36	1 10	27 56	6 39	20 28	0 44	15 39	2 10	3 44	0 47	22 29	0 41	15 58	17 9	17 13	17 7	8 49	1 41	4 55
T 22	19 22	7 15	3 11	20 28	1 46	20 20	1 11	27 58	6 39	20 30	0 44	15 40	2 10	3 44	0 47	22 29	0 41	15 59	17 10	17 13	17 8	8 51	1 42	4 55
F 23	19 8	2 29	4 6	19 57	1 47	20 3	1 12	28 1	6 39	20 32	0 44	15 41	2 10	3 45	0 47	22 29	0 41	15 59	17 10	17 13	17 9	8 53	1 42	4 55
S 24	18 54	2n25	4 48	19 24	1 46	19 45	1 13	28 3	6 38	20 34	0 44	15 41	2 11	3 45	0 47	22 29	0 41	16 0	17 10	17 13	17 10	8 56	1 43	4 55
S 25	18 39	7 13	5 11	18 50	1 45	19 27	1 15	28 5	6 38	20 35	0 44	15 42	2 11	3 46	0 47	22 29	0 41	16 1	17 11	17 13	17 11	8 58	1 44	4 56
M26	18 25	11 37	5 16	18 15	1 43	19 9	1 16	28 7	6 37	20 37	0 44	15 43	2 11	3 46	0 47	22 28	0 41	16 1	17 11	17 13	17 12	9 0	1 44	4 56
T 27	18 10	15 20	5 2	17 39	1 41	18 49	1 17	28 8	6 36	20 39	0 44	15 44	2 11	3 47	0 47	22 28	0 41	16 2	17 11	17 13	17 13	9 2	1 45	4 56
W28	17 54	18 10	4 29	17 1	1 38	18 29	1 18	28 9	6 35	20 40	0 44	15 44	2 11	3 48	0 47	22 28	0 41	16 2	17 11	17 13	17 13	9 4	1 46	4 56
T 29	17 39	19 52	3 41	16 23	1 35	18 9	1 19	28 10	6 34	20 42	0 44	15 45	2 12	3 48	0 47	22 28	0 41	16 3	17 12	17 13	17 14	9 6	1 47	4 56
F 30	17 23	20 21	2 40	15 43	1 31	17 48	1 20	28 10	6 33	20 44	0 44	15 46	2 12	3 49	0 47	22 28	0 41	16 3	17 12	17 13	17 15	9 8	1 47	4 56
S 31	17n 6	19n38	1s30	15n 3	1n27	17n27	1n20	28s11	6s31	20n45	0s44	15n46	2s12	3s50	0s47	22n28	0s41	16s 4	17s12	17n13	17n16	9s10	1s48	4n56

Julian Day Number = 2118265.5, Delta T = 18m24s
Ecliptic obliquity = 23°33'20, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°01'11, Lahiri = 11°08'11 Julian Calendar 1 July 1087 == Greg. Calendar 7 July 1087

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1087
geocentric

AUGUST 1087 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 59 58	13♌33'59	9♌ 7	25♌30	17♌ 3	21°R50	6♊32	20♉17	22°R11	10♋29	29°R 9	12°R13	11♌58	7♏26	13°R52	S 1
M 2	21 3 55	14°31'47	22°16	27°17	18°17	21♑41	6°41	20°20	22♓ 9	10°30	29♓ 9	12♌13	11°55	7°32	13♓50	M 2
T 3	21 7 51	15°29'37	5♍ 9	29° 2	19°32	21°32	6°50	20°23	22° 7	10°32	29° 8	12°13	11°52	7°39	13°47	T 3
W 4	21 11 48	16°27'28	17°46	0♍46	20°46	21°24	6°58	20°26	22° 5	10°34	29° 7	12°13	11°49	7°46	13°45	W 4
T 5	21 15 44	17°25'21	0♎ 8	2°28	22° 0	21°17	7° 7	20°28	22° 4	10°36	29° 6	12°12	11°46	7°53	13°43	T 5
F 6	21 19 41	18°23'15	12°17	4°10	23°15	21°11	7°15	20°31	22° 2	10°38	29° 5	12°11	11°43	7°59	13°40	F 6
S 7	21 23 37	19°21'10	24°18	5°49	24°29	21° 5	7°24	20°33	22° 0	10°40	29° 4	12°10	11°39	8° 6	13°38	S 7
S 8	21 27 34	20°19'07	6♏12	7°28	25°44	21° 1	7°32	20°35	21°58	10°42	29° 4	12°10	11°36	8°13	13°35	S 8
M 9	21 31 30	21°17'05	18° 5	9° 5	26°58	20°57	7°40	20°37	21°56	10°43	29° 3	12°D 9	11°33	8°19	13°33	M 9
T 10	21 35 27	22°15'04	0♐ 1	10°41	28°12	20°53	7°48	20°39	21°54	10°45	29° 2	12°10	11°30	8°26	13°30	T 10
W11	21 39 23	23°13'05	12° 5	12°15	29°27	20°51	7°55	20°41	21°52	10°47	29° 1	12°10	11°27	8°33	13°27	W11
T 12	21 43 20	24°11'08	24°21	13°49	0♑41	20°50	8° 3	20°43	21°50	10°49	29° 0	12°11	11°24	8°40	13°25	T 12
F 13	21 47 17	25° 9'11	6♑54	15°20	1°56	20°D49	8°10	20°45	21°48	10°50	28°59	12°12	11°20	8°46	13°22	F 13
S 14	21 51 13	26° 7'17	19°45	16°51	3°10	20°49	8°18	20°46	21°46	10°52	28°58	12°13	11°17	8°53	13°19	S 14
S 15	21 55 10	27° 5'24	2♒58	18°21	4°24	20°50	8°25	20°48	21°44	10°54	28°57	12°14	11°14	9° 0	13°17	S 15
M16	21 59 6	28° 3'32	16°32	19°49	5°39	20°52	8°32	20°49	21°41	10°55	28°56	12°R14	11°11	9° 7	13°14	M16
T 17	22 3 3	29° 1'42	0♓26	21°15	6°53	20°54	8°39	20°50	21°39	10°57	28°55	12°13	11° 8	9°13	13°11	T 17
W18	22 6 59	29°59'54	14°38	22°41	8° 8	20°58	8°46	20°52	21°37	10°59	28°54	12°12	11° 4	9°20	13° 9	W18
T 19	22 10 56	0♍58'08	29° 2	24° 5	9°22	21° 2	8°52	20°53	21°35	11° 0	28°53	12°10	11° 1	9°27	13° 6	T 19
F 20	22 14 52	1°56'23	13♈33	25°28	10°37	21° 7	8°59	20°54	21°33	11° 2	28°52	12° 7	10°58	9°33	13° 3	F 20
S 21	22 18 49	2°54'41	28° 5	26°49	11°51	21°12	9° 5	20°55	21°30	11° 3	28°51	12° 5	10°55	9°40	13° 0	S 21
S 22	22 22 46	3°53'01	12♉33	28° 9	13° 6	21°19	9°11	20°55	21°28	11° 5	28°50	12° 3	10°52	9°47	12°58	S 22
M23	22 26 42	4°51'23	26°51	29°27	14°20	21°26	9°17	20°56	21°26	11° 6	28°49	12° 2	10°49	9°54	12°55	M23
T 24	22 30 39	5°49'48	10♊59	0♎44	15°35	21°34	9°23	20°56	21°24	11° 8	28°48	12°D 1	10°45	10° 0	12°52	T 24
W25	22 34 35	6°48'14	24°53	1°59	16°49	21°43	9°28	20°57	21°21	11° 9	28°47	12° 2	10°42	10° 7	12°49	W25
T 26	22 38 32	7°46'43	8♋34	3°13	18° 4	21°52	9°34	20°57	21°19	11°11	28°46	12° 4	10°39	10°14	12°46	T 26
F 27	22 42 28	8°45'14	22° 1	4°25	19°18	22° 3	9°39	20°57	21°17	11°12	28°45	12° 5	10°36	10°20	12°44	F 27
S 28	22 46 25	9°43'48	5♌15	5°35	20°33	22°14	9°44	20°R57	21°14	11°13	28°44	12° 6	10°33	10°27	12°41	S 28
S 29	22 50 21	10°42'23	18°16	6°43	21°47	22°25	9°49	20°57	21°12	11°15	28°43	12°R 6	10°30	10°34	12°38	S 29
M30	22 54 18	11°41'00	1♍ 4	7°49	23° 2	22°38	9°54	20°57	21°10	11°16	28°41	12° 5	10°26	10°41	12°35	M30
T 31	22 58 15	12♍39'39	13♍41	8♎53	24♍17	22♑51	9♊58	20♉57	21♓ 7	11♋17	28♓40	12♌ 2	10♌23	10♏47	12♓32	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n50	17n47	0s17	14n23	1n23	17n 5	1n21	28s11	6s29	20n47	0s44	15n47	2s12	3s50	0s47	22n27	0s41	16s 4	17s13	17n13	17n17	9s12	1s49	4n56
M 2	16 33	15 2	0n55	13 42	1 18	16 43	1 22	28 10	6 27	20 48	0 44	15 48	2 12	3 51	0 47	22 27	0 41	16 5	17 13	17 13	17 18	9 14	1 50	4 56
T 3	16 16	11 35	2 4	13 0	1 13	16 20	1 22	28 10	6 25	20 50	0 44	15 48	2 13	3 52	0 47	22 27	0 41	16 5	17 13	17 13	17 19	9 16	1 51	4 57
W 4	15 59	7 41	3 5	12 18	1 7	15 57	1 23	28 9	6 23	20 51	0 44	15 49	2 13	3 53	0 47	22 27	0 41	16 6	17 13	17 13	17 20	9 19	1 51	4 57
T 5	15 41	3 33	3 55	11 36	1 1	15 33	1 24	28 8	6 21	20 52	0 44	15 49	2 13	3 53	0 47	22 27	0 41	16 7	17 14	17 13	17 21	9 21	1 52	4 57
F 6	15 23	0s40	4 35	10 53	0 55	15 9	1 24	28 7	6 19	20 54	0 44	15 50	2 13	3 54	0 47	22 27	0 41	16 7	17 14	17 13	17 21	9 23	1 53	4 57
S 7	15 5	4 48	5 1	10 10	0 49	14 45	1 24	28 5	6 16	20 55	0 44	15 50	2 13	3 55	0 47	22 27	0 41	16 8	17 14	17 14	17 22	9 25	1 54	4 57
S 8	14 47	8 42	5 15	9 27	0 42	14 20	1 25	28 3	6 14	20 57	0 44	15 50	2 13	3 56	0 47	22 26	0 41	16 8	17 14	17 14	17 23	9 27	1 55	4 57
M 9	14 29	12 15	5 15	8 45	0 35	13 55	1 25	28 1	6 11	20 58	0 44	15 51	2 14	3 56	0 47	22 26	0 41	16 9	17 15	17 14	17 24	9 29	1 56	4 57
T 10	14 10	15 21	5 1	8 2	0 28	13 29	1 25	27 59	6 8	20 59	0 44	15 51	2 14	3 57	0 47	22 26	0 41	16 9	17 15	17 14	17 25	9 31	1 57	4 57
W11	13 51	17 49	4 35	7 19	0 20	13 3	1 25	27 57	6 5	21 0	0 45	15 51	2 14	3 58	0 47	22 26	0 41	16 10	17 15	17 14	17 26	9 33	1 58	4 57
T 12	13 31	19 31	3 55	6 36	0 13	12 37	1 25	27 54	6 2	21 1	0 45	15 52	2 14	3 59	0 47	22 26	0 41	16 10	17 15	17 14	17 27	9 35	1 59	4 57
F 13	13 12	20 20	3 3	5 53	0 5	12 10	1 25	27 51	5 59	21 3	0 45	15 52	2 14	4 0	0 48	22 26	0 41	16 11	17 15	17 13	17 28	9 37	2 0	4 57
S 14	12 52	20 6	2 1	5 11	0s 2	11 43	1 25	27 48	5 56	21 4	0 45	15 52	2 15	4 1	0 48	22 25	0 41	16 12	17 16	17 13	17 29	9 39	2 1	4 57
S 15	12 32	18 46	0 51	4 28	0 10	11 16	1 25	27 45	5 53	21 5	0 45	15 52	2 15	4 1	0 48	22 25	0 41	16 12	17 16	17 13	17 29	9 41	2 2	4 57
M16	12 12	16 20	0s24	3 46	0 18	10 48	1 25	27 41	5 50	21 6	0 45	15 53	2 15	4 2	0 48	22 25	0 41	16 13	17 16	17 13	17 30	9 44	2 3	4 57
T 17	11 52	12 55	1 39	3 5	0 27	10 20	1 25	27 37	5 46	21 7	0 45	15 53	2 15	4 3	0 48	22 25	0 41	16 13	17 16	17 13	17 31	9 46	2 4	4 57
W18	11 32	8 41	2 49	2 23	0 35	9 52	1 24	27 34	5 43	21 8	0 45	15 53	2 15	4 4	0 48	22 25	0 41	16 14	17 16	17 13	17 32	9 48	2 5	4 57
T 19	11 11	3 54	3 50	1 42	0 43	9 23	1 24	27 30	5 40	21 9	0 45	15 53	2 16	4 5	0 48	22 25	0 41	16 14	17 17	17 14	17 33	9 50	2 6	4 57
F 20	10 50	1n 8	4 36	1 2	0 52	8 55	1 23	27 25	5 36	21 10	0 45	15 53	2 16	4 6	0 48	22 25	0 41	16 15	17 17	17 15	17 34	9 52	2 7	4 57
S 21	10 29	6 5	5 5	0 21	1 0	8 26	1 23	27 21	5 33	21 11	0 45	15 53	2 16	4 7	0 48	22 25	0 41	16 16	17 17	17 15	17 35	9 54	2 8	4 57
S 22	10 8	10 41	5 14	0s18	1 8	7 56	1 22	27 16	5 29	21 12	0 45	15 53	2 16	4 8	0 48	22 24	0 41	16 16	17 17	17 16	17 36	9 56	2 9	4 57
M23	9 47	14 37	5 4	0 57	1 17	7 27	1 22	27 12	5 26	21 13	0 45	15 53	2 16	4 9	0 48	22 24	0 41	16 17	17 17	17 16	17 36	9 58	2 10	4 57
T 24	9 25	17 39	4 35	1 36	1 25	6 57	1 21	27 7	5 22	21 13	0 45	15 53	2 17	4 9	0 48	22 24	0 41	16 17	17 18	17 16	17 37	10 0	2 11	4 57
W25	9 3	19 37	3 51	2 13	1 34	6 27	1 20	27 2	5 18	21 14	0 45	15 53	2 17	4 10	0 48	22 24	0 41	16 18	17 18	17 16	17 38	10 2	2 12	4 57
T 26	8 42	20 23	2 54	2 51	1 42	5 57	1 19	26 57	5 15	21 15	0 45	15 53	2 17	4 11	0 48	22 24	0 41	16 18	17 18	17 16	17 39	10 4	2 13	4 57
F 27	8 20	19 58	1 48	3 27	1 50	5 27	1 18	26 51	5 11	21 16	0 45	15 53	2 17	4 12	0 48	22 24	0 41	16 19	17 18	17 15	17 40	10 6	2 14	4 57
S 28	7 58	18 27	0 38	4 2	1 58	4 57	1 17	26 46	5 8	21 17	0 45	15 52	2 17	4 13	0 48	22 24	0 41	16 19	17 18	17 15	17 41	10 8	2 16	4 57
S 29	7 35	15 58	0n34	4 37	2 7	4 26	1 16	26 40	5 4	21 17	0 45	15 52	2 18	4 14	0 48	22 23	0 41	16 20	17 18	17 15	17 42	10 10	2 17	4 57
M30	7 13	12 44	1 42	5 11	2 15	3 56	1 15	26 35	5 0	21 18	0 45	15 52	2 18	4 15	0 48	22 23	0 41	16 21	17 18	17 15	17 42	10 13	2 18	4 57
T 31	6n50	8n58	2n44	5s43	2s23	3n25	1n14	26s29	4s57	21n19	0s45	15n52	2s18	4s16	0s48	22n23	0s41	16s21	17s18	17n16	17n43	10s15	2s19	4n57

Julian Day Number = 2118296.5, Delta T = 18m23s
Ecliptic obliquity = 23°33'21, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°01'15, Lahiri = 11°08'15 Julian Calendar 1 Aug. 1087 == Greg. Calendar 7 Aug. 1087

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1087
geocentric

SEPTEMBER 1087 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 2 11	13♍38'21	26♍ 6	9♎55	25♍31	23♉ 5	10♊ 3	20°R57	21°R 5	11♋19	28°R39	11°R58	10♌20	10♏54	12°R29	W 1
T 2	23 6 8	14°37'04	8♎21	10°54	26°46	23°19	10° 7	20♉56	21♓ 2	11°20	28♓38	11♌52	10°17	11° 1	12♓27	T 2
F 3	23 10 4	15°35'49	20°26	11°50	28° 0	23°34	10°11	20°56	21° 0	11°21	28°37	11°46	10°14	11° 8	12°24	F 3
S 4	23 14 1	16°34'36	2♏23	12°44	29°15	23°50	10°15	20°55	20°58	11°22	28°36	11°40	10°10	11°14	12°21	S 4
S 5	23 17 57	17°33'25	14°16	13°34	0♎29	24° 6	10°19	20°54	20°55	11°23	28°35	11°35	10° 7	11°21	12°18	S 5
M 6	23 21 54	18°32'16	26° 8	14°21	1°44	24°23	10°22	20°53	20°53	11°24	28°34	11°31	10° 4	11°28	12°15	M 6
T 7	23 25 50	19°31'08	8♐ 2	15° 5	2°59	24°41	10°26	20°52	20°50	11°26	28°32	11°28	10° 1	11°34	12°12	T 7
W 8	23 29 47	20°30'03	20° 3	15°45	4°13	24°59	10°29	20°51	20°48	11°27	28°31	11°D27	9°58	11°41	12°10	W 8
T 9	23 33 44	21°28'59	2♑15	16°20	5°28	25°18	10°32	20°50	20°46	11°28	28°30	11°28	9°55	11°48	12° 7	T 9
F 10	23 37 40	22°27'57	14°45	16°50	6°42	25°38	10°34	20°49	20°43	11°29	28°29	11°29	9°51	11°55	12° 4	F 10
S 11	23 41 37	23°26'57	27°36	17°16	7°57	25°58	10°37	20°47	20°41	11°30	28°28	11°31	9°48	12° 1	12° 1	S 11
S 12	23 45 33	24°25'58	10♒51	17°36	9°11	26°18	10°39	20°46	20°38	11°30	28°27	11°R32	9°45	12° 8	11°59	S 12
M13	23 49 30	25°25'02	24°34	17°51	10°26	26°39	10°42	20°44	20°36	11°31	28°25	11°31	9°42	12°15	11°56	M13
T 14	23 53 26	26°24'07	8♓42	17°59	11°41	27° 1	10°44	20°42	20°33	11°32	28°24	11°28	9°39	12°22	11°53	T 14
W15	23 57 23	27°23'15	23°14	18°R 0	12°55	27°23	10°45	20°40	20°31	11°33	28°23	11°23	9°35	12°28	11°50	W15
T 16	0 1 19	28°22'24	8♈ 3	17°54	14°10	27°46	10°47	20°39	20°29	11°34	28°22	11°17	9°32	12°35	11°48	T 16
F 17	0 5 16	29°21'35	23° 1	17°41	15°24	28° 9	10°48	20°36	20°26	11°35	28°21	11°10	9°29	12°42	11°45	F 17
S 18	0 9 12	0♎20'49	8♉ 0	17°19	16°39	28°32	10°50	20°34	20°24	11°35	28°20	11° 2	9°26	12°48	11°42	S 18
S 19	0 13 9	1°20'05	22°49	16°50	17°53	28°56	10°51	20°32	20°22	11°36	28°18	10°56	9°23	12°55	11°40	S 19
M20	0 17 6	2°19'24	7♊23	16°13	19° 8	29°21	10°52	20°30	20°19	11°37	28°17	10°51	9°20	13° 2	11°37	M20
T 21	0 21 2	3°18'45	21°36	15°27	20°23	29°46	10°52	20°27	20°17	11°37	28°16	10°49	9°16	13° 9	11°35	T 21
W22	0 24 59	4°18'08	5♋29	14°35	21°37	0♒11	10°53	20°25	20°15	11°38	28°15	10°D48	9°13	13°15	11°32	W22
T 23	0 28 55	5°17'34	19° 0	13°35	22°52	0°37	10°53	20°22	20°12	11°38	28°14	10°49	9°10	13°22	11°30	T 23
F 24	0 32 52	6°17'02	2♌12	12°29	24° 6	1° 3	10°R53	20°19	20°10	11°39	28°13	10°49	9° 7	13°29	11°27	F 24
S 25	0 36 48	7°16'32	15° 8	11°20	25°21	1°29	10°53	20°17	20° 8	11°40	28°11	10°R50	9° 4	13°35	11°25	S 25
S 26	0 40 45	8°16'05	27°49	10° 7	26°35	1°56	10°52	20°14	20° 5	11°40	28°10	10°48	9° 1	13°42	11°22	S 26
M27	0 44 41	9°15'40	10♍20	8°54	27°50	2°23	10°52	20°11	20° 3	11°40	28° 9	10°44	8°57	13°49	11°20	M27
T 28	0 48 38	10°15'17	22°40	7°42	29° 5	2°51	10°51	20° 8	20° 1	11°41	28° 8	10°38	8°54	13°56	11°17	T 28
W29	0 52 35	11°14'56	4♎52	6°33	0♏19	3°19	10°50	20° 4	19°59	11°41	28° 7	10°28	8°51	14° 2	11°15	W29
T 30	0 56 31	12♎14'37	16♎58	5♎30	1♏34	3♒48	10♊49	20♉ 1	19♓56	11♋42	28♓ 6	10♌17	8♌48	14♏ 9	11♓13	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	6n28	4n53	3n37	6s15	2s30	2n54	1n13	26s23	4s53	21n19	0s45	15n51	2s18	4s17	0s48	22n23	0s41	16s22	17s19	17n17	17n44	10s17	2s20	4n57
T 2	6 5	0 39	4 20	6 45	2 38	2 23	1 12	26 17	4 49	21 20	0 45	15 51	2 18	4 18	0 48	22 23	0 41	16 22	17 19	17 19	17 45	10 19	2 21	4 57
F 3	5 42	3s33	4 50	7 14	2 45	1 52	1 10	26 10	4 46	21 20	0 45	15 51	2 19	4 19	0 48	22 23	0 41	16 23	17 19	17 21	17 46	10 21	2 22	4 57
S 4	5 19	7 34	5 7	7 41	2 52	1 21	1 9	26 4	4 42	21 21	0 45	15 50	2 19	4 20	0 48	22 23	0 41	16 23	17 19	17 22	17 47	10 23	2 23	4 57
S 5	4 56	11 15	5 10	8 7	2 59	0 50	1 7	25 57	4 38	21 21	0 45	15 50	2 19	4 21	0 48	22 23	0 41	16 24	17 19	17 24	17 48	10 25	2 25	4 57
M 6	4 33	14 30	5 1	8 32	3 5	0 19	1 6	25 51	4 35	21 22	0 45	15 50	2 19	4 22	0 48	22 23	0 41	16 24	17 19	17 25	17 49	10 27	2 26	4 57
T 7	4 10	17 11	4 38	8 54	3 11	0s12	1 4	25 44	4 31	21 22	0 45	15 49	2 19	4 23	0 48	22 22	0 41	16 25	17 19	17 25	17 49	10 29	2 27	4 56
W 8	3 47	19 8	4 3	9 15	3 17	0 44	1 3	25 37	4 27	21 23	0 45	15 49	2 20	4 24	0 48	22 22	0 41	16 25	17 19	17 26	17 50	10 31	2 28	4 56
T 9	3 24	20 15	3 17	9 33	3 22	1 15	1 1	25 30	4 24	21 23	0 45	15 48	2 20	4 25	0 48	22 22	0 41	16 26	17 19	17 26	17 51	10 33	2 29	4 56
F 10	3 0	20 25	2 20	9 49	3 26	1 46	0 59	25 23	4 20	21 23	0 46	15 48	2 20	4 26	0 48	22 22	0 41	16 26	17 19	17 25	17 52	10 35	2 30	4 56
S 11	2 37	19 31	1 15	10 3	3 30	2 17	0 58	25 15	4 16	21 24	0 46	15 47	2 20	4 27	0 48	22 22	0 41	16 27	17 19	17 25	17 53	10 37	2 32	4 56
S 12	2 13	17 32	0 4	10 13	3 33	2 48	0 56	25 8	4 13	21 24	0 46	15 47	2 20	4 27	0 48	22 22	0 41	16 27	17 19	17 25	17 54	10 39	2 33	4 56
M13	1 50	14 30	1s10	10 21	3 35	3 19	0 54	25 0	4 9	21 24	0 46	15 46	2 20	4 28	0 48	22 22	0 41	16 28	17 19	17 25	17 55	10 41	2 34	4 56
T 14	1 26	10 32	2 21	10 25	3 37	3 50	0 52	24 52	4 6	21 25	0 46	15 45	2 21	4 29	0 48	22 22	0 41	16 28	17 19	17 26	17 55	10 43	2 35	4 56
W15	1 3	5 51	3 26	10 26	3 37	4 21	0 50	24 45	4 2	21 25	0 46	15 45	2 21	4 30	0 48	22 22	0 41	16 29	17 19	17 27	17 56	10 45	2 36	4 56
T 16	0 39	0 44	4 17	10 23	3 36	4 52	0 48	24 37	3 59	21 25	0 46	15 44	2 21	4 31	0 48	22 22	0 41	16 29	17 19	17 29	17 57	10 48	2 37	4 55
F 17	0 15	4n28	4 52	10 15	3 33	5 23	0 46	24 28	3 55	21 25	0 46	15 43	2 21	4 32	0 48	22 22	0 41	16 30	17 19	17 31	17 58	10 50	2 38	4 55
S 18	0s 8	9 24	5 6	10 3	3 29	5 54	0 44	24 20	3 52	21 25	0 46	15 43	2 21	4 33	0 48	22 22	0 42	16 30	17 19	17 33	17 59	10 52	2 40	4 55
S 19	0 32	13 43	5 0	9 47	3 24	6 24	0 42	24 12	3 49	21 25	0 46	15 42	2 21	4 34	0 48	22 21	0 42	16 31	17 19	17 34	18 0	10 54	2 41	4 55
M20	0 56	17 8	4 35	9 26	3 17	6 55	0 40	24 3	3 45	21 26	0 46	15 41	2 22	4 35	0 48	22 21	0 42	16 31	17 19	17 36	18 0	10 56	2 42	4 55
T 21	1 19	19 25	3 53	9 0	3 8	7 25	0 37	23 55	3 42	21 26	0 46	15 40	2 22	4 36	0 48	22 21	0 42	16 32	17 19	17 36	18 1	10 58	2 43	4 55
W22	1 43	20 29	2 58	8 29	2 57	7 55	0 35	23 46	3 38	21 26	0 46	15 40	2 22	4 37	0 48	22 21	0 42	16 32	17 19	17 37	18 2	11 0	2 44	4 54
T 23	2 7	20 19	1 54	7 54	2 44	8 25	0 33	23 37	3 35	21 26	0 46	15 39	2 22	4 38	0 48	22 21	0 42	16 32	17 19	17 36	18 3	11 2	2 45	4 54
F 24	2 30	19 1	0 46	7 15	2 30	8 55	0 31	23 28	3 32	21 26	0 46	15 38	2 22	4 39	0 48	22 21	0 42	16 33	17 19	17 36	18 4	11 4	2 46	4 54
S 25	2 54	16 45	0n23	6 33	2 13	9 25	0 28	23 19	3 28	21 26	0 46	15 37	2 22	4 39	0 48	22 21	0 42	16 33	17 19	17 36	18 5	11 6	2 47	4 54
S 26	3 18	13 41	1 30	5 48	1 55	9 54	0 26	23 9	3 25	21 26	0 46	15 36	2 22	4 40	0 48	22 21	0 42	16 34	17 19	17 37	18 6	11 8	2 48	4 54
M27	3 41	10 3	2 31	5 1	1 36	10 23	0 23	23 0	3 22	21 25	0 46	15 35	2 23	4 41	0 48	22 21	0 42	16 34	17 19	17 38	18 6	11 10	2 50	4 54
T 28	4 5	6 2	3 24	4 14	1 16	10 52	0 21	22 50	3 19	21 25	0 46	15 34	2 23	4 42	0 48	22 21	0 42	16 34	17 19	17 39	18 7	11 12	2 51	4 53
W29	4 28	1 50	4 7	3 28	0 56	11 21	0 19	22 41	3 16	21 25	0 46	15 33	2 23	4 43	0 47	22 21	0 42	16 35	17 19	17 42	18 8	11 14	2 52	4 53
T 30	4s52	2s25	4n38	2s44	0s35	11s49	0n16	22s31	3s12	21n25	0s46	15n32	2s23	4s44	0s47	22n21	0s42	16s35	17s19	17n45	18n 9	11s16	2s53	4n53

Julian Day Number = 2118327.5, Delta T = 18m23s
Ecliptic obliquity = 23°33'22, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°01'19, Lahiri = 11°08'20 Julian Calendar 1 Sept. 1087 == Greg. Calendar 7 Sept. 1087

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1087
geocentric

OCTOBER 1087 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 0 28	13♎14'21	28♎57	4°R34	2♏48	4♒16	10°R47	19°R58	19°R54	11♋42	28°R 4	10°R 5	8♌45	14♏16	11°R10	F 1
S 2	1 4 24	14°14'06	10♏51	3♎47	4° 3	4°46	10♊46	19♉54	19♓52	11°42	28♓ 3	9♌52	8°41	14°23	11♓ 8	S 2
S 3	1 8 21	15°13'53	22°43	3°11	5°17	5°15	10°44	19°51	19°50	11°42	28° 2	9°41	8°38	14°29	11° 6	S 3
M 4	1 12 17	16°13'42	4♐33	2°45	6°32	5°45	10°42	19°47	19°48	11°43	28° 1	9°31	8°35	14°36	11° 4	M 4
T 5	1 16 14	17°13'33	16°25	2°30	7°46	6°15	10°40	19°43	19°46	11°43	28° 0	9°24	8°32	14°43	11° 1	T 5
W 6	1 20 10	18°13'26	28°24	2°D27	9° 1	6°45	10°37	19°40	19°44	11°43	27°59	9°20	8°29	14°49	10°59	W 6
T 7	1 24 7	19°13'20	10♑33	2°35	10°15	7°16	10°35	19°36	19°42	11°43	27°58	9°18	8°26	14°56	10°57	T 7
F 8	1 28 4	20°13'17	22°57	2°53	11°30	7°47	10°32	19°32	19°40	11°43	27°57	9°D18	8°22	15° 3	10°55	F 8
S 9	1 32 0	21°13'15	5♒42	3°22	12°45	8°18	10°29	19°28	19°38	11°R43	27°56	9°R18	8°19	15°10	10°53	S 9
S 10	1 35 57	22°13'14	18°52	4° 0	13°59	8°50	10°26	19°24	19°36	11°43	27°55	9°18	8°16	15°16	10°51	S 10
M11	1 39 53	23°13'15	2♓30	4°46	15°14	9°22	10°22	19°20	19°34	11°43	27°54	9°16	8°13	15°23	10°49	M11
T 12	1 43 50	24°13'18	16°39	5°40	16°28	9°54	10°19	19°16	19°32	11°43	27°53	9°11	8°10	15°30	10°48	T 12
W13	1 47 46	25°13'23	1♈16	6°40	17°42	10°26	10°15	19°11	19°30	11°43	27°52	9° 4	8° 6	15°36	10°46	W13
T 14	1 51 43	26°13'29	16°16	7°46	18°57	10°58	10°11	19° 7	19°28	11°43	27°51	8°55	8° 3	15°43	10°44	T 14
F 15	1 55 39	27°13'37	1♉31	8°57	20°11	11°31	10° 7	19° 3	19°27	11°42	27°49	8°44	8° 0	15°50	10°42	F 15
S 16	1 59 36	28°13'47	16°50	10°13	21°26	12° 4	10° 3	18°58	19°25	11°42	27°49	8°33	7°57	15°57	10°41	S 16
S 17	2 3 32	29°13'59	2♊ 0	11°32	22°40	12°37	9°58	18°54	19°23	11°42	27°48	8°23	7°54	16° 3	10°39	S 17
M18	2 7 29	0♏14'13	16°53	12°54	23°55	13°11	9°54	18°49	19°22	11°42	27°47	8°15	7°51	16°10	10°37	M18
T 19	2 11 26	1°14'29	1♋22	14°20	25° 9	13°45	9°49	18°45	19°20	11°41	27°46	8°10	7°47	16°17	10°36	T 19
W20	2 15 22	2°14'47	15°23	15°47	26°24	14°18	9°44	18°40	19°18	11°41	27°45	8° 7	7°44	16°24	10°34	W20
T 21	2 19 19	3°15'08	28°57	17°16	27°38	14°52	9°39	18°36	19°17	11°41	27°44	8° 6	7°41	16°30	10°33	T 21
F 22	2 23 15	4°15'30	12♌ 6	18°46	28°52	15°27	9°33	18°31	19°15	11°40	27°43	8° 6	7°38	16°37	10°32	F 22
S 23	2 27 12	5°15'54	24°55	20°18	0♐ 7	16° 1	9°28	18°26	19°14	11°40	27°42	8° 6	7°35	16°44	10°30	S 23
S 24	2 31 8	6°16'20	7♍26	21°51	1°21	16°36	9°22	18°22	19°12	11°39	27°41	8° 3	7°32	16°50	10°29	S 24
M25	2 35 5	7°16'48	19°44	23°25	2°36	17°11	9°16	18°17	19°11	11°39	27°40	7°58	7°28	16°57	10°28	M25
T 26	2 39 1	8°17'18	1♎53	24°59	3°50	17°46	9°10	18°12	19°10	11°38	27°39	7°50	7°25	17° 4	10°27	T 26
W27	2 42 58	9°17'50	13°55	26°33	5° 4	18°21	9° 4	18° 7	19° 8	11°38	27°38	7°39	7°22	17°11	10°25	W27
T 28	2 46 55	10°18'23	25°52	28° 8	6°19	18°56	8°58	18° 2	19° 7	11°37	27°38	7°25	7°19	17°17	10°24	T 28
F 29	2 50 51	11°18'59	7♏46	29°43	7°33	19°32	8°52	17°58	19° 6	11°36	27°37	7°10	7°16	17°24	10°23	F 29
S 30	2 54 48	12°19'35	19°38	1♐19	8°48	20° 7	8°45	17°53	19° 5	11°36	27°36	6°55	7°12	17°31	10°22	S 30
S 31	2 58 44	13♏20'14	1♐30	2♏54	10♐ 2	20♒43	8♊38	17♉48	19♓ 4	11♋35	27♓35	6♌41	7♌ 9	17♏37	10♓21	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	5s15	6s32	4n57	2s 3	0s15	12s18	0n14	22s21	3s 9	21n25	0s46	15n31	2s23	4s45	0s47	22n21	0s42	16s36	17s19	17n48	18n10	11s18	2s54	4n53	F 1
S 2	5 38	10 22	5 2	1 26	0n 5	12 45	0 11	22 11	3 6	21 24	0 46	15 30	2 23	4 45	0 47	22 21	0 42	16 36	17 19	17 52	18 11	11 20	2 55	4 53	S 2
S 3	6 2	13 47	4 55	0 54	0 24	13 13	0 8	22 0	3 3	21 24	0 46	15 29	2 23	4 46	0 47	22 21	0 42	16 36	17 18	17 55	18 11	11 22	2 56	4 52	S 3
M 4	6 25	16 39	4 34	0 28	0 41	13 40	0 6	21 50	3 0	21 24	0 46	15 28	2 23	4 47	0 47	22 21	0 42	16 37	17 18	17 57	18 12	11 24	2 57	4 52	M 4
T 5	6 48	18 51	4 2	0 8	0 57	14 7	0 3	21 40	2 57	21 24	0 46	15 27	2 23	4 48	0 47	22 21	0 42	16 37	17 18	17 59	18 13	11 26	2 58	4 52	T 5
W 6	7 11	20 14	3 19	0n 7	1 11	14 34	0 1	21 29	2 54	21 23	0 46	15 26	2 24	4 49	0 47	22 21	0 42	16 37	17 18	18 0	18 14	11 28	2 59	4 52	W 6
T 7	7 34	20 42	2 26	0 15	1 24	15 0	0s 2	21 18	2 51	21 23	0 46	15 25	2 24	4 49	0 47	22 21	0 42	16 38	17 18	18 1	18 15	11 30	3 0	4 51	T 7
F 8	7 56	20 11	1 26	0 18	1 35	15 26	0 5	21 7	2 48	21 22	0 46	15 24	2 24	4 50	0 47	22 21	0 42	16 38	17 18	18 1	18 16	11 32	3 1	4 51	F 8
S 9	8 19	18 38	0 19	0 15	1 44	15 51	0 7	20 56	2 45	21 22	0 46	15 23	2 24	4 51	0 47	22 21	0 42	16 38	17 18	18 1	18 16	11 34	3 2	4 51	S 9
S 10	8 42	16 3	0s51	0 7	1 52	16 16	0 10	20 45	2 43	21 22	0 46	15 21	2 24	4 52	0 47	22 21	0 42	16 38	17 17	18 1	18 17	11 36	3 3	4 51	S 10
M11	9 4	12 30	2 0	0s 6	1 58	16 41	0 12	20 34	2 40	21 21	0 46	15 20	2 24	4 52	0 47	22 21	0 42	16 39	17 17	18 1	18 18	11 38	3 4	4 50	M11
T 12	9 26	8 7	3 4	0 22	2 3	17 5	0 15	20 22	2 37	21 21	0 46	15 19	2 24	4 53	0 47	22 21	0 42	16 39	17 17	18 3	18 19	11 40	3 5	4 50	T 12
W13	9 48	3 8	3 58	0 43	2 7	17 29	0 18	20 11	2 34	21 20	0 46	15 18	2 24	4 54	0 47	22 21	0 42	16 39	17 17	18 5	18 20	11 43	3 6	4 50	W13
T 14	10 10	2n 9	4 38	1 7	2 9	17 52	0 20	19 59	2 31	21 20	0 46	15 17	2 24	4 55	0 47	22 21	0 42	16 40	17 17	18 7	18 21	11 45	3 7	4 50	T 14
F 15	10 32	7 24	4 58	1 34	2 10	18 15	0 23	19 47	2 29	21 19	0 46	15 15	2 24	4 55	0 47	22 21	0 42	16 40	17 17	18 10	18 21	11 47	3 8	4 49	F 15
S 16	10 54	12 11	4 57	2 4	2 11	18 37	0 26	19 35	2 26	21 18	0 46	15 14	2 24	4 56	0 47	22 21	0 42	16 40	17 16	18 13	18 22	11 49	3 8	4 49	S 16
S 17	11 15	16 10	4 36	2 36	2 10	18 59	0 28	19 23	2 23	21 18	0 46	15 13	2 24	4 56	0 47	22 21	0 42	16 40	17 16	18 15	18 23	11 51	3 9	4 49	S 17
M18	11 37	19 0	3 56	3 9	2 8	19 21	0 31	19 11	2 21	21 17	0 46	15 12	2 24	4 57	0 47	22 21	0 42	16 40	17 16	18 18	18 24	11 53	3 10	4 49	M18
T 19	11 58	20 32	3 1	3 44	2 6	19 41	0 34	18 59	2 18	21 16	0 46	15 10	2 24	4 58	0 47	22 21	0 42	16 41	17 16	18 19	18 25	11 55	3 11	4 48	T 19
W20	12 19	20 44	1 57	4 21	2 3	20 2	0 36	18 47	2 15	21 16	0 46	15 9	2 24	4 58	0 47	22 21	0 42	16 41	17 16	18 20	18 25	11 57	3 12	4 48	W20
T 21	12 39	19 41	0 48	4 58	2 0	20 22	0 39	18 34	2 13	21 15	0 46	15 8	2 24	4 59	0 47	22 21	0 42	16 41	17 15	18 20	18 26	11 59	3 13	4 48	T 21
F 22	13 0	17 35	0n21	5 36	1 56	20 41	0 42	18 21	2 10	21 14	0 46	15 6	2 24	4 59	0 47	22 21	0 42	16 41	17 15	18 20	18 27	12 1	3 13	4 47	F 22
S 23	13 20	14 39	1 28	6 15	1 51	21 0	0 44	18 9	2 8	21 13	0 46	15 5	2 24	5 0	0 47	22 21	0 42	16 41	17 15	18 20	18 28	12 3	3 14	4 47	S 23
S 24	13 41	11 7	2 28	6 55	1 46	21 18	0 47	17 56	2 5	21 13	0 46	15 4	2 24	5 1	0 47	22 21	0 42	16 41	17 15	18 21	18 29	12 5	3 15	4 47	S 24
M25	14 1	7 9	3 21	7 34	1 41	21 35	0 49	17 43	2 3	21 12	0 46	15 3	2 24	5 1	0 47	22 21	0 42	16 42	17 15	18 22	18 30	12 7	3 16	4 47	M25
T 26	14 20	2 58	4 3	8 14	1 36	21 52	0 52	17 30	2 0	21 11	0 46	15 1	2 24	5 2	0 47	22 21	0 42	16 42	17 14	18 24	18 30	12 9	3 16	4 46	T 26
W27	14 40	1s18	4 34	8 54	1 30	22 8	0 54	17 16	1 58	21 10	0 46	15 0	2 24	5 2	0 47	22 21	0 42	16 42	17 14	18 27	18 31	12 11	3 17	4 46	W27
T 28	14 59	5 29	4 53	9 33	1 24	22 24	0 57	17 3	1 56	21 9	0 46	14 59	2 24	5 3	0 47	22 21	0 42	16 42	17 14	18 30	18 32	12 13	3 18	4 46	T 28
F 29	15 18	9 27	4 59	10 13	1 18	22 39	0 59	16 49	1 53	21 8	0 46	14 57	2 24	5 3	0 47	22 21	0 42	16 42	17 14	18 34	18 33	12 15	3 18	4 45	F 29
S 30	15 37	13 3	4 52	10 52	1 12	22 53	1 2	16 36	1 51	21 7	0 46	14 56	2 24	5 3	0 47	22 21	0 42	16 42	17 13	18 38	18 34	12 17	3 19	4 45	S 30
S 31	15s55	16s 7	4n32	11s31	1n 5	23s 7	1s 4	16s22	1s48	21n 6	0s45	14n55	2s24	5s 4	0s47	22n21	0s42	16s42	17s13	18n42	18n34	12s19	3s20	4n45	S 31

Julian Day Number = 2118357.5, Delta T = 18m23s
Ecliptic obliquity = 23°33'22, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°01'23, Lahiri = 11°08'24 Julian Calendar 1 Oct. 1087 == Greg. Calendar 7 Oct. 1087

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1087
geocentric

NOVEMBER 1087 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 2 41	14♏20'53	13♐22	4♏29	11♐16	21♒19	8°R32	17°R43	19°R 3	11°R34	27°R35	6°R29	7♌ 6	17♏44	10°R21	M 1
T 2	3 6 37	15°21'34	25°18	6° 5	12°31	21°55	8♊25	17♉38	19♓ 1	11♋34	27♓34	6♌20	7° 3	17°51	10♓20	T 2
W 3	3 10 34	16°22'17	7♑18	7°40	13°45	22°31	8°18	17°33	19° 0	11°33	27°33	6°14	7° 0	17°58	10°19	W 3
T 4	3 14 30	17°23'00	19°28	9°15	14°59	23° 8	8°11	17°28	19° 0	11°32	27°32	6°11	6°57	18° 4	10°18	T 4
F 5	3 18 27	18°23'45	1♒51	10°51	16°13	23°44	8° 3	17°23	18°59	11°31	27°32	6°D10	6°53	18°11	10°18	F 5
S 6	3 22 24	19°24'31	14°31	12°26	17°28	24°21	7°56	17°18	18°58	11°30	27°31	6°R10	6°50	18°18	10°17	S 6
S 7	3 26 20	20°25'18	27°33	14° 1	18°42	24°58	7°49	17°13	18°57	11°29	27°30	6° 9	6°47	18°25	10°17	S 7
M 8	3 30 17	21°26'05	11♓ 2	15°36	19°56	25°35	7°41	17° 8	18°56	11°28	27°30	6° 8	6°44	18°31	10°16	M 8
T 9	3 34 13	22°26'54	24°59	17°10	21°10	26°12	7°33	17° 4	18°56	11°27	27°29	6° 4	6°41	18°38	10°16	T 9
W10	3 38 10	23°27'44	9♈26	18°45	22°25	26°49	7°26	16°59	18°55	11°26	27°29	5°58	6°38	18°45	10°15	W10
T 11	3 42 6	24°28'35	24°19	20°20	23°39	27°26	7°18	16°54	18°54	11°25	27°28	5°49	6°34	18°51	10°15	T 11
F 12	3 46 3	25°29'26	9♉31	21°54	24°53	28° 4	7°10	16°49	18°54	11°24	27°27	5°39	6°31	18°58	10°15	F 12
S 13	3 49 59	26°30'19	24°53	23°28	26° 7	28°41	7° 2	16°44	18°53	11°23	27°27	5°28	6°28	19° 5	10°15	S 13
S 14	3 53 56	27°31'13	10♊12	25° 3	27°21	29°19	6°54	16°39	18°53	11°22	27°26	5°19	6°25	19°12	10°15	S 14
M15	3 57 53	28°32'09	25°17	26°37	28°35	29°56	6°46	16°35	18°52	11°21	27°26	5°11	6°22	19°18	10°D15	M15
T 16	4 1 49	29°33'05	9♋59	28°11	29°49	0♓34	6°38	16°30	18°52	11°20	27°25	5° 6	6°18	19°25	10°15	T 16
W17	4 5 46	0♐34'03	24°14	29°46	1♑ 4	1°12	6°30	16°25	18°52	11°19	27°25	5° 3	6°15	19°32	10°15	W17
T 18	4 9 42	1°35'02	7♌58	1♐20	2°18	1°50	6°22	16°20	18°51	11°18	27°25	5°D 3	6°12	19°38	10°15	T 18
F 19	4 13 39	2°36'02	21°15	2°54	3°32	2°28	6°14	16°16	18°51	11°16	27°24	5° 4	6° 9	19°45	10°15	F 19
S 20	4 17 35	3°37'03	4♍ 6	4°29	4°46	3° 6	6° 6	16°11	18°51	11°15	27°24	5°R 4	6° 6	19°52	10°15	S 20
S 21	4 21 32	4°38'05	16°37	6° 3	6° 0	3°44	5°58	16° 7	18°51	11°14	27°23	5° 3	6° 3	19°59	10°15	S 21
M22	4 25 29	5°39'09	28°53	7°37	7°14	4°22	5°49	16° 2	18°51	11°13	27°23	5° 0	5°59	20° 5	10°16	M22
T 23	4 29 25	6°40'13	10♎56	9°12	8°27	5° 1	5°41	15°58	18°D51	11°11	27°23	4°55	5°56	20°12	10°16	T 23
W24	4 33 22	7°41'19	22°53	10°46	9°41	5°39	5°33	15°53	18°51	11°10	27°23	4°47	5°53	20°19	10°17	W24
T 25	4 37 18	8°42'25	4♏46	12°21	10°55	6°18	5°25	15°49	18°51	11° 9	27°22	4°37	5°50	20°25	10°17	T 25
F 26	4 41 15	9°43'33	16°37	13°56	12° 9	6°56	5°17	15°45	18°51	11° 7	27°22	4°26	5°47	20°32	10°18	F 26
S 27	4 45 11	10°44'41	28°29	15°31	13°23	7°35	5° 9	15°40	18°51	11° 6	27°22	4°14	5°44	20°39	10°18	S 27
S 28	4 49 8	11°45'50	10♐23	17° 6	14°37	8°14	5° 0	15°36	18°52	11° 4	27°22	4° 4	5°40	20°46	10°19	S 28
M29	4 53 4	12°46'59	22°21	18°41	15°51	8°52	4°52	15°32	18°52	11° 3	27°21	3°55	5°37	20°52	10°20	M29
T 30	4 57 1	13♐48'09	4♑25	20♐16	17♑ 4	9♓31	4♊44	15♉28	18♓52	11♋ 1	27♓21	3♌48	5♌34	20♏59	10♓21	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16s13	18s32	4n 0	12s10	0n59	23s20	1s 6	16s 8	1s46	21n 5	0s45	14n53	2s24	5s 4	0s47	22n21	0s42	16s42	17s13	18n45	18n35	12s21	3s20	4n45
T 2	16 31	20 10	3 18	12 48	0 52	23 32	1 9	15 54	1 44	21 4	0 45	14 52	2 24	5 5	0 47	22 21	0 42	16 42	17 12	18 47	18 36	12 23	3 21	4 44
W 3	16 49	20 55	2 26	13 25	0 45	23 44	1 11	15 40	1 42	21 3	0 45	14 51	2 24	5 5	0 46	22 21	0 42	16 42	17 12	18 48	18 37	12 25	3 21	4 44
T 4	17 6	20 42	1 27	14 2	0 38	23 55	1 13	15 26	1 39	21 2	0 45	14 49	2 24	5 5	0 46	22 21	0 42	16 42	17 12	18 49	18 38	12 27	3 22	4 44
F 5	17 23	19 28	0 23	14 39	0 32	24 5	1 15	15 12	1 37	21 1	0 45	14 48	2 24	5 6	0 46	22 21	0 42	16 42	17 12	18 49	18 38	12 29	3 22	4 43
S 6	17 40	17 16	0s44	15 15	0 25	24 15	1 18	14 58	1 35	21 0	0 45	14 47	2 24	5 6	0 46	22 21	0 42	16 42	17 11	18 49	18 39	12 31	3 23	4 43
S 7	17 56	14 7	1 51	15 50	0 18	24 24	1 20	14 43	1 33	20 59	0 45	14 45	2 24	5 6	0 46	22 21	0 42	16 42	17 11	18 49	18 40	12 33	3 23	4 43
M 8	18 13	10 8	2 54	16 25	0 11	24 32	1 22	14 29	1 31	20 58	0 45	14 44	2 24	5 6	0 46	22 22	0 42	16 42	17 11	18 50	18 41	12 35	3 24	4 42
T 9	18 28	5 29	3 48	16 58	0 4	24 39	1 24	14 14	1 29	20 56	0 45	14 43	2 24	5 7	0 46	22 22	0 42	16 42	17 10	18 51	18 42	12 37	3 24	4 42
W10	18 44	0 23	4 30	17 31	0s 2	24 46	1 26	13 59	1 27	20 55	0 45	14 42	2 24	5 7	0 46	22 22	0 42	16 42	17 10	18 52	18 42	12 39	3 25	4 42
T 11	18 59	4n53	4 56	18 4	0 9	24 52	1 28	13 45	1 25	20 54	0 45	14 40	2 24	5 7	0 46	22 22	0 42	16 42	17 10	18 54	18 43	12 41	3 25	4 41
F 12	19 14	9 58	5 1	18 35	0 16	24 57	1 30	13 30	1 22	20 53	0 44	14 39	2 23	5 7	0 46	22 22	0 42	16 42	17 9	18 57	18 44	12 43	3 25	4 41
S 13	19 28	14 28	4 45	19 5	0 22	25 1	1 31	13 15	1 20	20 52	0 44	14 38	2 23	5 7	0 46	22 22	0 42	16 42	17 9	19 0	18 45	12 45	3 26	4 41
S 14	19 42	18 0	4 8	19 35	0 29	25 5	1 33	13 0	1 18	20 50	0 44	14 36	2 23	5 8	0 46	22 22	0 42	16 42	17 9	19 2	18 46	12 47	3 26	4 40
M15	19 56	20 14	3 15	20 4	0 35	25 8	1 35	12 44	1 17	20 49	0 44	14 35	2 23	5 8	0 46	22 22	0 42	16 42	17 9	19 4	18 46	12 49	3 26	4 40
T 16	20 9	21 2	2 9	20 31	0 41	25 10	1 36	12 29	1 15	20 48	0 44	14 34	2 23	5 8	0 46	22 22	0 42	16 42	17 8	19 5	18 47	12 51	3 27	4 40
W17	20 22	20 26	0 57	20 58	0 47	25 11	1 38	12 14	1 13	20 47	0 44	14 33	2 23	5 8	0 46	22 22	0 42	16 42	17 8	19 6	18 48	12 53	3 27	4 40
T 18	20 35	18 37	0n16	21 24	0 54	25 12	1 40	11 58	1 11	20 45	0 44	14 32	2 23	5 8	0 46	22 22	0 42	16 41	17 8	19 6	18 49	12 54	3 27	4 39
F 19	20 47	15 50	1 25	21 49	0 59	25 12	1 41	11 43	1 9	20 44	0 44	14 30	2 23	5 8	0 46	22 22	0 42	16 41	17 7	19 6	18 50	12 56	3 28	4 39
S 20	20 59	12 21	2 29	22 12	1 5	25 11	1 42	11 27	1 7	20 43	0 44	14 29	2 22	5 8	0 46	22 23	0 42	16 41	17 7	19 6	18 50	12 58	3 28	4 39
S 21	21 10	8 25	3 23	22 35	1 11	25 9	1 44	11 12	1 5	20 42	0 43	14 28	2 22	5 8	0 46	22 23	0 42	16 41	17 7	19 6	18 51	13 0	3 28	4 38
M22	21 21	4 13	4 7	22 56	1 16	25 6	1 45	10 56	1 3	20 40	0 43	14 27	2 22	5 8	0 46	22 23	0 42	16 41	17 6	19 7	18 52	13 2	3 28	4 38
T 23	21 32	0s 5	4 39	23 17	1 21	25 3	1 46	10 40	1 1	20 39	0 43	14 26	2 22	5 8	0 46	22 23	0 42	16 41	17 6	19 8	18 53	13 4	3 28	4 38
W24	21 42	4 20	4 58	23 36	1 26	24 59	1 47	10 24	1 0	20 38	0 43	14 25	2 22	5 8	0 46	22 23	0 42	16 40	17 5	19 10	18 54	13 6	3 28	4 37
T 25	21 52	8 23	5 4	23 54	1 31	24 54	1 48	10 9	0 58	20 36	0 43	14 24	2 22	5 8	0 46	22 23	0 42	16 40	17 5	19 12	18 54	13 8	3 28	4 37
F 26	22 1	12 8	4 58	24 10	1 36	24 49	1 49	9 53	0 56	20 35	0 43	14 23	2 21	5 8	0 46	22 23	0 42	16 40	17 5	19 15	18 55	13 10	3 29	4 37
S 27	22 10	15 24	4 38	24 26	1 40	24 43	1 50	9 37	0 54	20 34	0 43	14 22	2 21	5 8	0 46	22 23	0 42	16 40	17 4	19 18	18 56	13 12	3 29	4 36
S 28	22 18	18 3	4 6	24 40	1 45	24 36	1 51	9 20	0 53	20 33	0 42	14 21	2 21	5 8	0 46	22 23	0 42	16 39	17 4	19 20	18 57	13 14	3 29	4 36
M29	22 26	19 57	3 23	24 52	1 48	24 28	1 52	9 4	0 51	20 31	0 42	14 20	2 21	5 7	0 45	22 24	0 42	16 39	17 4	19 22	18 57	13 16	3 29	4 36
T 30	22s34	20s58	2n31	25s 4	1s52	24s19	1s53	8s48	0s49	20n30	0s42	14n19	2s21	5s 7	0s45	22n24	0s42	16s39	17s 3	19n24	18n58	13s18	3s29	4n35

Julian Day Number = 2118388.5, Delta T = 18m22s
Ecliptic obliquity = 23°33'22, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°01'28, Lahiri = 11°08'28 Julian Calendar 1 Nov. 1087 == Greg. Calendar 7 Nov. 1087

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1087
geocentric

DECEMBER 1087 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 0 58	14♐49'19	16♑35	21♐52	18♑18	10♓10	4°R36	15°R24	18♓53	11°R 0	27°R21	3°R44	5♌31	21♏ 6	10♓22	W 1
T 2	5 4 54	15°50'30	28°53	23°27	19°32	10°49	4♊29	15♉20	18°53	10♋58	27♓21	3°D43	5°28	21°13	10°23	T 2
F 3	5 8 51	16°51'41	11♒23	25° 3	20°45	11°28	4°21	15°16	18°54	10°57	27°21	3♌43	5°24	21°19	10°24	F 3
S 4	5 12 47	17°52'52	24° 8	26°39	21°59	12° 7	4°13	15°13	18°54	10°55	27°21	3°44	5°21	21°26	10°25	S 4
S 5	5 16 44	18°54'03	7♓10	28°15	23°13	12°46	4° 5	15° 9	18°55	10°54	27°21	3°45	5°18	21°33	10°26	S 5
M 6	5 20 40	19°55'15	20°33	29°51	24°26	13°25	3°58	15° 5	18°56	10°52	27°D21	3°R46	5°15	21°39	10°27	M 6
T 7	5 24 37	20°56'26	4♈20	1♑27	25°40	14° 5	3°50	15° 2	18°56	10°51	27°21	3°45	5°12	21°46	10°28	T 7
W 8	5 28 33	21°57'37	18°30	3° 3	26°53	14°44	3°43	14°59	18°57	10°49	27°21	3°42	5° 9	21°53	10°29	W 8
T 9	5 32 30	22°58'48	3♉ 4	4°39	28° 6	15°23	3°35	14°55	18°58	10°48	27°21	3°38	5° 5	22° 0	10°31	T 9
F 10	5 36 27	23°59'59	17°57	6°15	29°20	16° 2	3°28	14°52	18°59	10°46	27°21	3°32	5° 2	22° 6	10°32	F 10
S 11	5 40 23	25° 1'09	3♊ 1	7°51	0♒33	16°42	3°21	14°49	19° 0	10°44	27°21	3°26	4°59	22°13	10°33	S 11
S 12	5 44 20	26° 2'20	18° 8	9°27	1°46	17°21	3°14	14°46	19° 1	10°43	27°21	3°20	4°56	22°20	10°35	S 12
M13	5 48 16	27° 3'31	3♋ 7	11° 2	3° 0	18° 1	3° 7	14°43	19° 2	10°41	27°21	3°16	4°53	22°26	10°36	M13
T 14	5 52 13	28° 4'42	17°50	12°36	4°13	18°40	3° 0	14°40	19° 3	10°39	27°22	3°13	4°50	22°33	10°38	T 14
W15	5 56 9	29° 5'53	2♌10	14°10	5°26	19°20	2°54	14°37	19° 4	10°38	27°22	3°D12	4°46	22°40	10°40	W15
T 16	6 0 6	0♑ 7'05	16° 4	15°43	6°39	19°59	2°47	14°34	19° 5	10°36	27°22	3°13	4°43	22°47	10°41	T 16
F 17	6 4 2	1° 8'16	29°30	17°15	7°52	20°39	2°41	14°32	19° 6	10°35	27°22	3°14	4°40	22°53	10°43	F 17
S 18	6 7 59	2° 9'27	12♍29	18°46	9° 5	21°18	2°35	14°29	19° 8	10°33	27°23	3°16	4°37	23° 0	10°45	S 18
S 19	6 11 56	3°10'38	25° 7	20°15	10°18	21°58	2°29	14°27	19° 9	10°31	27°23	3°17	4°34	23° 7	10°47	S 19
M20	6 15 52	4°11'50	7♎26	21°42	11°30	22°38	2°23	14°25	19°10	10°29	27°23	3°R17	4°30	23°13	10°49	M20
T 21	6 19 49	5°13'01	19°31	23° 6	12°43	23°17	2°17	14°22	19°12	10°28	27°23	3°16	4°27	23°20	10°51	T 21
W22	6 23 45	6°14'12	1♏27	24°28	13°56	23°57	2°11	14°20	19°13	10°26	27°24	3°14	4°24	23°27	10°53	W22
T 23	6 27 42	7°15'24	13°18	25°46	15° 9	24°37	2° 6	14°18	19°15	10°24	27°24	3°10	4°21	23°34	10°55	T 23
F 24	6 31 38	8°16'35	25° 9	27° 0	16°21	25°16	2° 1	14°16	19°16	10°23	27°25	3° 6	4°18	23°40	10°57	F 24
S 25	6 35 35	9°17'46	7♐ 3	28° 9	17°34	25°56	1°56	14°15	19°18	10°21	27°25	3° 2	4°15	23°47	10°59	S 25
S 26	6 39 31	10°18'56	19° 1	29°13	18°46	26°36	1°51	14°13	19°20	10°19	27°25	2°58	4°11	23°54	11° 1	S 26
M27	6 43 28	11°20'06	1♑ 7	0♒10	19°58	27°16	1°46	14°11	19°21	10°18	27°26	2°54	4° 8	24° 0	11° 3	M27
T 28	6 47 25	12°21'16	13°22	1° 0	21°11	27°56	1°41	14°10	19°23	10°16	27°26	2°52	4° 5	24° 7	11° 6	T 28
W29	6 51 21	13°22'25	25°47	1°43	22°23	28°35	1°37	14° 9	19°25	10°14	27°27	2°51	4° 2	24°14	11° 8	W29
T 30	6 55 18	14°23'34	8♒23	2°16	23°35	29°15	1°33	14° 7	19°27	10°13	27°28	2°D51	3°59	24°21	11°10	T 30
F 31	6 59 14	15♑24'42	21♒11	2♒40	24♒47	29♓55	1♊29	14♉ 6	19♓29	10♋11	27♓28	2♌51	3♌56	24♏27	11♓13	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s41	21s 1	1n31	25s14	1s55	24s10	1s53	8s32	0s48	20n29	0s42	14n18	2s20	5s 7	0s45	22n24	0s42	16s39	17s 3	19n25	18n59	13s20	3s29	4n35
T 2	22 48	20 3	0 26	25 22	1 59	24 0	1 54	8 15	0 46	20 27	0 42	14 17	2 20	5 7	0 45	22 24	0 42	16 38	17 3	19 25	19 0	13 22	3 28	4 35
F 3	22 54	18 7	0s41	25 29	2 1	23 50	1 54	7 59	0 44	20 26	0 42	14 16	2 20	5 6	0 45	22 24	0 42	16 38	17 2	19 25	19 1	13 24	3 28	4 34
S 4	23 0	15 15	1 48	25 35	2 4	23 38	1 55	7 43	0 43	20 25	0 41	14 15	2 20	5 6	0 45	22 24	0 42	16 38	17 2	19 25	19 1	13 26	3 28	4 34
S 5	23 5	11 34	2 51	25 39	2 6	23 26	1 55	7 26	0 41	20 24	0 41	14 14	2 20	5 6	0 45	22 24	0 42	16 37	17 2	19 24	19 2	13 28	3 28	4 34
M 6	23 10	7 13	3 46	25 41	2 8	23 13	1 55	7 10	0 40	20 22	0 41	14 13	2 19	5 6	0 45	22 24	0 42	16 37	17 1	19 24	19 3	13 30	3 28	4 34
T 7	23 15	2 24	4 30	25 42	2 9	23 0	1 55	6 53	0 38	20 21	0 41	14 12	2 19	5 5	0 45	22 25	0 42	16 37	17 1	19 24	19 4	13 32	3 28	4 33
W 8	23 19	2n41	4 59	25 41	2 10	22 46	1 55	6 36	0 37	20 20	0 41	14 12	2 19	5 5	0 45	22 25	0 42	16 36	17 0	19 25	19 4	13 34	3 28	4 33
T 9	23 22	7 44	5 10	25 39	2 10	22 31	1 55	6 20	0 35	20 19	0 40	14 11	2 19	5 5	0 45	22 25	0 42	16 36	17 0	19 26	19 5	13 36	3 27	4 33
F 10	23 25	12 27	5 0	25 35	2 10	22 16	1 55	6 3	0 34	20 18	0 40	14 10	2 19	5 4	0 45	22 25	0 42	16 36	17 0	19 28	19 6	13 38	3 27	4 32
S 11	23 28	16 27	4 30	25 29	2 10	22 0	1 55	5 46	0 32	20 16	0 40	14 9	2 18	5 4	0 45	22 25	0 42	16 35	16 59	19 29	19 7	13 40	3 27	4 32
S 12	23 30	19 22	3 41	25 22	2 9	21 43	1 54	5 29	0 31	20 15	0 40	14 9	2 18	5 3	0 45	22 25	0 42	16 35	16 59	19 30	19 8	13 41	3 27	4 32
M13	23 31	20 55	2 36	25 12	2 7	21 26	1 54	5 13	0 29	20 14	0 40	14 8	2 18	5 3	0 45	22 25	0 42	16 35	16 59	19 31	19 8	13 43	3 26	4 31
T 14	23 33	21 0	1 23	25 2	2 5	21 8	1 53	4 56	0 28	20 13	0 39	14 7	2 18	5 2	0 45	22 26	0 42	16 34	16 58	19 32	19 9	13 45	3 26	4 31
W15	23 33	19 41	0 6	24 49	2 2	20 50	1 53	4 39	0 27	20 12	0 39	14 7	2 17	5 2	0 45	22 26	0 42	16 34	16 58	19 32	19 10	13 47	3 26	4 31
T 16	23 33	17 12	1n10	24 35	1 59	20 31	1 52	4 22	0 25	20 11	0 39	14 6	2 17	5 2	0 45	22 26	0 42	16 33	16 58	19 32	19 11	13 49	3 25	4 31
F 17	23 33	13 52	2 19	24 20	1 55	20 11	1 51	4 5	0 24	20 10	0 39	14 6	2 17	5 1	0 45	22 26	0 42	16 33	16 57	19 32	19 11	13 51	3 25	4 30
S 18	23 32	9 57	3 18	24 3	1 50	19 51	1 51	3 48	0 22	20 9	0 39	14 5	2 17	5 0	0 45	22 26	0 42	16 32	16 57	19 31	19 12	13 53	3 25	4 30
S 19	23 31	5 43	4 7	23 44	1 44	19 30	1 50	3 31	0 21	20 8	0 38	14 5	2 16	5 0	0 45	22 26	0 42	16 32	16 56	19 31	19 13	13 55	3 24	4 30
M20	23 29	1 21	4 42	23 24	1 37	19 9	1 49	3 15	0 20	20 7	0 38	14 4	2 16	4 59	0 45	22 26	0 42	16 32	16 56	19 31	19 14	13 57	3 24	4 29
T 21	23 27	2s58	5 4	23 3	1 30	18 47	1 47	2 58	0 18	20 6	0 38	14 4	2 16	4 59	0 45	22 26	0 42	16 31	16 56	19 31	19 14	13 59	3 23	4 29
W22	23 24	7 8	5 13	22 40	1 22	18 25	1 46	2 41	0 17	20 5	0 38	14 4	2 15	4 58	0 45	22 27	0 42	16 31	16 55	19 32	19 15	14 1	3 23	4 29
T 23	23 21	11 0	5 9	22 17	1 12	18 2	1 45	2 24	0 16	20 4	0 38	14 3	2 15	4 57	0 44	22 27	0 42	16 30	16 55	19 33	19 16	14 3	3 22	4 29
F 24	23 18	14 26	4 51	21 53	1 2	17 39	1 43	2 7	0 15	20 3	0 37	14 3	2 15	4 57	0 44	22 27	0 42	16 30	16 55	19 34	19 17	14 5	3 22	4 28
S 25	23 14	17 19	4 20	21 28	0 51	17 16	1 42	1 50	0 13	20 2	0 37	14 3	2 15	4 56	0 44	22 27	0 42	16 29	16 54	19 35	19 17	14 7	3 21	4 28
S 26	23 9	19 28	3 38	21 3	0 39	16 52	1 40	1 33	0 12	20 2	0 37	14 3	2 14	4 55	0 44	22 27	0 42	16 29	16 54	19 36	19 18	14 8	3 20	4 28
M27	23 4	20 47	2 46	20 37	0 25	16 27	1 39	1 16	0 11	20 1	0 37	14 2	2 14	4 55	0 44	22 27	0 42	16 28	16 54	19 36	19 19	14 10	3 20	4 27
T 28	22 59	21 8	1 45	20 12	0 11	16 2	1 37	0 59	0 10	20 0	0 36	14 2	2 14	4 54	0 44	22 27	0 42	16 28	16 53	19 37	19 20	14 12	3 19	4 27
W29	22 53	20 27	0 39	19 48	0n 4	15 37	1 35	0 42	0 8	20 0	0 36	14 2	2 14	4 53	0 44	22 28	0 42	16 27	16 53	19 37	19 20	14 14	3 19	4 27
T 30	22 46	18 45	0s31	19 25	0 21	15 11	1 33	0 25	0 7	19 59	0 36	14 2	2 13	4 53	0 44	22 28	0 42	16 27	16 53	19 37	19 21	14 16	3 18	4 27
F 31	22s40	16s 5	1s40	19s 3	0n38	14s45	1s31	0s 8	0s 6	19n58	0s36	14n 2	2s13	4s52	0s44	22n28	0s42	16s26	16s52	19n37	19n22	14s18	3s17	4n26

Julian Day Number = 2118418.5, Delta T = 18m22s
Ecliptic obliquity = 23°33'21, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°01'32, Lahiri = 11°08'32 Julian Calendar 1 Dec. 1087 == Greg. Calendar 7 Dec. 1087

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1088
geocentric

JANUARY 1088 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 3 11	16♑25'48	4♓11	2♒53	25♒59	0♈35	1°R25	14°R 5	19♓31	10°R 9	27♓29	2♌53	3♌52	24♏34	11♓15	S 1
S 2	7 7 7	17°26'54	17°26	2°R55	27°11	1°15	1♊21	14♉ 4	19°32	10♋ 7	27°29	2°54	3°49	24°41	11°18	S 2
M 3	7 11 4	18°27'59	0♈56	2°45	28°23	1°55	1°18	14° 3	19°34	10° 6	27°30	2°55	3°46	24°47	11°20	M 3
T 4	7 15 0	19°29'03	14°41	2°24	29°34	2°35	1°14	14° 3	19°37	10° 4	27°31	2°R56	3°43	24°54	11°23	T 4
W 5	7 18 57	20°30'05	28°43	1°52	0♓46	3°15	1°11	14° 2	19°39	10° 2	27°31	2°56	3°40	25° 1	11°25	W 5
T 6	7 22 54	21°31'07	12♉59	1° 8	1°57	3°55	1° 8	14° 2	19°41	10° 1	27°32	2°55	3°36	25° 8	11°28	T 6
F 7	7 26 50	22°32'07	27°27	0°15	3° 9	4°35	1° 6	14° 1	19°43	9°59	27°33	2°54	3°33	25°14	11°31	F 7
S 8	7 30 47	23°33'06	12♊ 4	29♑14	4°20	5°15	1° 3	14° 1	19°45	9°57	27°33	2°53	3°30	25°21	11°33	S 8
S 9	7 34 43	24°34'04	26°43	28° 6	5°31	5°55	1° 1	14°D 1	19°47	9°56	27°34	2°52	3°27	25°28	11°36	S 9
M10	7 38 40	25°35'01	11♋19	26°54	6°42	6°35	0°59	14° 1	19°50	9°54	27°35	2°51	3°24	25°34	11°39	M10
T 11	7 42 36	26°35'57	25°45	25°40	7°53	7°15	0°57	14° 1	19°52	9°53	27°36	2°51	3°21	25°41	11°42	T 11
W12	7 46 33	27°36'51	9♌55	24°25	9° 4	7°55	0°55	14° 2	19°54	9°51	27°36	2°D51	3°17	25°48	11°45	W12
T 13	7 50 30	28°37'45	23°45	23°13	10°14	8°34	0°54	14° 2	19°57	9°49	27°37	2°51	3°14	25°55	11°48	T 13
F 14	7 54 26	29°38'37	7♍13	22° 4	11°25	9°14	0°52	14° 2	19°59	9°48	27°38	2°51	3°11	26° 1	11°51	F 14
S 15	7 58 23	0♒39'28	20°17	21° 0	12°35	9°54	0°51	14° 3	20° 2	9°46	27°39	2°51	3° 8	26° 8	11°54	S 15
S 16	8 2 19	1°40'19	3♎ 0	20° 4	13°46	10°34	0°50	14° 4	20° 4	9°45	27°40	2°52	3° 5	26°15	11°57	S 16
M17	8 6 16	2°41'08	15°24	19°14	14°56	11°14	0°50	14° 4	20° 7	9°43	27°41	2°R52	3° 1	26°21	12° 0	M17
T 18	8 10 12	3°41'57	27°33	18°33	16° 6	11°54	0°49	14° 5	20° 9	9°42	27°42	2°D52	2°58	26°28	12° 3	T 18
W19	8 14 9	4°42'44	9♏31	18° 0	17°16	12°34	0°49	14° 6	20°12	9°40	27°43	2°52	2°55	26°35	12° 6	W19
T 20	8 18 5	5°43'31	21°24	17°36	18°25	13°14	0°D49	14° 8	20°15	9°39	27°44	2°52	2°52	26°42	12° 9	T 20
F 21	8 22 2	6°44'16	3♐15	17°19	19°35	13°54	0°49	14° 9	20°17	9°37	27°45	2°52	2°49	26°48	12°12	F 21
S 22	8 25 59	7°45'00	15°10	17°11	20°44	14°34	0°49	14°10	20°20	9°36	27°46	2°53	2°46	26°55	12°16	S 22
S 23	8 29 55	8°45'43	27°12	17°D10	21°54	15°14	0°50	14°12	20°23	9°34	27°47	2°53	2°42	27° 2	12°19	S 23
M24	8 33 52	9°46'25	9♑24	17°16	23° 3	15°54	0°51	14°13	20°26	9°33	27°48	2°54	2°39	27° 8	12°22	M24
T 25	8 37 48	10°47'06	21°50	17°28	24°12	16°34	0°52	14°15	20°28	9°31	27°49	2°54	2°36	27°15	12°25	T 25
W26	8 41 45	11°47'45	4♒31	17°47	25°20	17°14	0°53	14°17	20°31	9°30	27°50	2°R55	2°33	27°22	12°29	W26
T 27	8 45 41	12°48'22	17°27	18°12	26°29	17°54	0°54	14°19	20°34	9°29	27°51	2°54	2°30	27°29	12°32	T 27
F 28	8 49 38	13°48'58	0♓39	18°42	27°37	18°34	0°56	14°21	20°37	9°27	27°52	2°53	2°27	27°35	12°35	F 28
S 29	8 53 34	14°49'32	14° 5	19°16	28°46	19°14	0°57	14°23	20°40	9°26	27°53	2°52	2°23	27°42	12°39	S 29
S 30	8 57 31	15°50'05	27°44	19°56	29°54	19°54	0°59	14°25	20°43	9°25	27°54	2°50	2°20	27°49	12°42	S 30
M31	9 1 27	16♒50'35	11♈34	20♑39	1♈ 2	20♈33	1♊ 2	14♉27	20♓46	9♋23	27♓55	2♌48	2♌17	27♏55	12♓46	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s32	12s34	2s45	18s43	0n56	14s18	1s29	0n 9	0s 5	19n58	0s36	14n 2	2s13	4s51	0s44	22n28	0s42	16s26	16s52	19n37	19n23	14s20	3s17	4n26
S 2	22 25	8 24	3 42	18 24	1 14	13 52	1 26	0 26	0 4	19 57	0 35	14 2	2 12	4 50	0 44	22 28	0 42	16 25	16 52	19 36	19 24	14 22	3 16	4 26
M 3	22 17	3 44	4 29	18 9	1 32	13 25	1 24	0 43	0 3	19 57	0 35	14 2	2 12	4 49	0 44	22 28	0 42	16 24	16 51	19 36	19 24	14 24	3 15	4 26
T 4	22 8	1n12	5 1	17 55	1 51	12 57	1 22	1 0	0 2	19 56	0 35	14 2	2 12	4 49	0 44	22 28	0 42	16 24	16 51	19 36	19 25	14 26	3 14	4 25
W 5	21 59	6 9	5 16	17 45	2 9	12 29	1 19	1 17	0 1	19 56	0 35	14 2	2 11	4 48	0 44	22 29	0 42	16 23	16 50	19 36	19 26	14 28	3 14	4 25
T 6	21 50	10 51	5 12	17 38	2 26	12 1	1 16	1 34	0n 1	19 56	0 34	14 2	2 11	4 47	0 44	22 29	0 42	16 23	16 50	19 36	19 26	14 29	3 13	4 25
F 7	21 40	15 0	4 48	17 33	2 42	11 33	1 14	1 51	0 2	19 55	0 34	14 3	2 11	4 46	0 44	22 29	0 42	16 22	16 50	19 36	19 27	14 31	3 12	4 25
S 8	21 29	18 17	4 6	17 32	2 57	11 4	1 11	2 8	0 3	19 55	0 34	14 3	2 11	4 45	0 44	22 29	0 42	16 22	16 50	19 37	19 28	14 33	3 11	4 24
S 9	21 19	20 24	3 7	17 33	3 10	10 35	1 8	2 25	0 4	19 55	0 34	14 3	2 10	4 44	0 44	22 29	0 42	16 21	16 49	19 37	19 29	14 35	3 10	4 24
M10	21 8	21 8	1 57	17 36	3 20	10 6	1 5	2 42	0 5	19 54	0 34	14 3	2 10	4 43	0 44	22 29	0 42	16 20	16 49	19 37	19 29	14 37	3 10	4 24
T 11	20 56	20 27	0 39	17 42	3 29	9 37	1 2	2 59	0 6	19 54	0 33	14 4	2 10	4 42	0 44	22 29	0 42	16 20	16 49	19 37	19 30	14 39	3 9	4 24
W12	20 44	18 29	0n39	17 49	3 35	9 7	0 59	3 15	0 7	19 54	0 33	14 4	2 9	4 41	0 44	22 30	0 42	16 19	16 48	19 37	19 31	14 41	3 8	4 24
T 13	20 32	15 27	1 53	17 58	3 38	8 37	0 56	3 32	0 8	19 54	0 33	14 4	2 9	4 40	0 44	22 30	0 42	16 19	16 48	19 37	19 32	14 43	3 7	4 23
F 14	20 19	11 41	2 59	18 8	3 39	8 7	0 52	3 49	0 9	19 54	0 33	14 5	2 9	4 39	0 44	22 30	0 42	16 18	16 48	19 37	19 32	14 45	3 6	4 23
S 15	20 6	7 27	3 54	18 19	3 38	7 37	0 49	4 5	0 10	19 54	0 32	14 5	2 9	4 38	0 44	22 30	0 42	16 17	16 47	19 37	19 33	14 46	3 5	4 23
S 16	19 53	3 1	4 35	18 31	3 35	7 7	0 45	4 22	0 11	19 54	0 32	14 6	2 8	4 37	0 44	22 30	0 42	16 17	16 47	19 37	19 34	14 48	3 4	4 23
M17	19 39	1s26	5 3	18 43	3 30	6 36	0 42	4 39	0 12	19 54	0 32	14 6	2 8	4 36	0 44	22 30	0 42	16 16	16 47	19 37	19 35	14 50	3 3	4 23
T 18	19 25	5 44	5 16	18 55	3 23	6 6	0 38	4 55	0 13	19 54	0 32	14 7	2 8	4 35	0 44	22 30	0 42	16 15	16 46	19 37	19 35	14 52	3 2	4 22
W19	19 11	9 45	5 15	19 7	3 15	5 35	0 34	5 12	0 13	19 54	0 32	14 7	2 7	4 34	0 44	22 31	0 42	16 15	16 46	19 37	19 36	14 54	3 1	4 22
T 20	18 56	13 21	5 1	19 20	3 6	5 4	0 31	5 28	0 14	19 55	0 31	14 8	2 7	4 33	0 44	22 31	0 42	16 14	16 46	19 37	19 37	14 56	3 0	4 22
F 21	18 41	16 26	4 34	19 32	2 56	4 33	0 27	5 45	0 15	19 55	0 31	14 9	2 7	4 32	0 44	22 31	0 42	16 13	16 46	19 37	19 38	14 58	2 59	4 22
S 22	18 25	18 50	3 55	19 43	2 45	4 2	0 23	6 1	0 16	19 55	0 31	14 9	2 6	4 31	0 44	22 31	0 42	16 13	16 45	19 37	19 38	14 59	2 58	4 22
S 23	18 9	20 26	3 5	19 54	2 34	3 31	0 19	6 17	0 17	19 56	0 31	14 10	2 6	4 30	0 43	22 31	0 42	16 12	16 45	19 37	19 39	15 1	2 57	4 21
M24	17 53	21 7	2 7	20 5	2 22	3 0	0 15	6 34	0 18	19 56	0 30	14 11	2 6	4 29	0 43	22 31	0 42	16 12	16 45	19 36	19 40	15 3	2 56	4 21
T 25	17 37	20 46	1 1	20 15	2 10	2 29	0 10	6 50	0 19	19 56	0 30	14 12	2 6	4 27	0 43	22 31	0 42	16 11	16 45	19 36	19 40	15 5	2 55	4 21
W26	17 20	19 22	0s 9	20 24	1 59	1 57	0 6	7 6	0 20	19 57	0 30	14 12	2 5	4 26	0 43	22 31	0 42	16 10	16 44	19 36	19 41	15 7	2 54	4 21
T 27	17 3	16 57	1 20	20 33	1 47	1 26	0 2	7 22	0 20	19 57	0 30	14 13	2 5	4 25	0 43	22 32	0 41	16 10	16 44	19 36	19 42	15 9	2 53	4 21
F 28	16 46	13 36	2 28	20 41	1 35	0 55	0n 3	7 38	0 21	19 58	0 30	14 14	2 5	4 24	0 43	22 32	0 41	16 9	16 44	19 37	19 43	15 11	2 51	4 20
S 29	16 28	9 30	3 29	20 48	1 23	0 23	0 7	7 54	0 22	19 58	0 29	14 15	2 4	4 23	0 43	22 32	0 41	16 8	16 43	19 37	19 43	15 12	2 50	4 20
S 30	16 10	4 52	4 19	20 54	1 11	0n 8	0 12	8 10	0 23	19 59	0 29	14 16	2 4	4 22	0 43	22 32	0 41	16 8	16 43	19 37	19 44	15 14	2 49	4 20
M31	15s52	0n 5	4s55	20s58	1n 0	0n39	0n16	8n26	0n24	20n 0	0s29	14n17	2s 4	4s20	0s43	22n32	0s41	16s 7	16s43	19n38	19n45	15s16	2s48	4n20

Julian Day Number = 2118449.5, Delta T = 18m22s
Ecliptic obliquity = 23°33'21, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°01'36, Lahiri = 11°08'36 Julian Calendar 1 Jan. 1088 == Greg. Calendar 7 Jan. 1088

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1088
geocentric

FEBRUARY 1088 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 5 24	17♒51'04	25♈33	21♉26	2♈ 9	21♈13	1♊ 4	14♉30	20♓49	9°R22	27♓56	2°R47	2♌14	28♏ 2	12♓49	T 1
W 2	9 9 21	18°51'31	9♉38	22°17	3°17	21°53	1° 6	14°32	20°52	9♋21	27°58	2♌46	2°11	28° 9	12°53	W 2
T 3	9 13 17	19°51'56	23°48	23°11	4°24	22°33	1° 9	14°35	20°55	9°20	27°59	2°D46	2° 7	28°16	12°56	T 3
F 4	9 17 14	20°52'19	8♊ 0	24° 8	5°31	23°13	1°12	14°38	20°58	9°18	28° 0	2°47	2° 4	28°22	13° 0	F 4
S 5	9 21 10	21°52'40	22°13	25° 8	6°38	23°53	1°15	14°41	21° 1	9°17	28° 1	2°48	2° 1	28°29	13° 3	S 5
S 6	9 25 7	22°52'58	6♋24	26°10	7°44	24°33	1°18	14°44	21° 4	9°16	28° 2	2°49	1°58	28°36	13° 7	S 6
M 7	9 29 3	23°53'15	20°30	27°15	8°51	25°13	1°22	14°47	21° 7	9°15	28° 4	2°50	1°55	28°42	13°10	M 7
T 8	9 33 0	24°53'30	4♌28	28°22	9°57	25°52	1°26	14°50	21°10	9°14	28° 5	2°R51	1°52	28°49	13°14	T 8
W 9	9 36 57	25°53'43	18°15	29°31	11° 3	26°32	1°29	14°53	21°14	9°13	28° 6	2°50	1°48	28°56	13°17	W 9
T 10	9 40 53	26°53'54	1♍48	0♒42	12° 8	27°12	1°33	14°57	21°17	9°12	28° 7	2°48	1°45	29° 3	13°21	T 10
F 11	9 44 50	27°54'03	15° 4	1°55	13°14	27°52	1°38	15° 0	21°20	9°11	28° 9	2°45	1°42	29° 9	13°25	F 11
S 12	9 48 46	28°54'10	28° 3	3°10	14°19	28°31	1°42	15° 4	21°23	9°10	28°10	2°41	1°39	29°16	13°28	S 12
S 13	9 52 43	29°54'16	10♎45	4°27	15°23	29°11	1°47	15° 7	21°26	9° 9	28°11	2°36	1°36	29°23	13°32	S 13
M14	9 56 39	0♓54'20	23° 9	5°45	16°28	29°51	1°51	15°11	21°30	9° 8	28°13	2°32	1°33	29°29	13°36	M14
T 15	10 0 36	1°54'22	5♏20	7° 5	17°32	0♉31	1°56	15°15	21°33	9° 7	28°14	2°28	1°29	29°36	13°39	T 15
W16	10 4 32	2°54'23	17°20	8°26	18°36	1°10	2° 1	15°19	21°36	9° 6	28°15	2°25	1°26	29°43	13°43	W16
T 17	10 8 29	3°54'21	29°13	9°49	19°40	1°50	2° 7	15°23	21°39	9° 5	28°17	2°D24	1°23	29°49	13°47	T 17
F 18	10 12 25	4°54'19	11♐ 5	11°13	20°43	2°30	2°12	15°27	21°43	9° 5	28°18	2°24	1°20	29°56	13°50	F 18
S 19	10 16 22	5°54'14	23° 0	12°38	21°46	3° 9	2°18	15°31	21°46	9° 4	28°19	2°25	1°17	0♐ 3	13°54	S 19
S 20	10 20 19	6°54'08	5♑ 2	14° 5	22°48	3°49	2°23	15°36	21°49	9° 3	28°21	2°27	1°13	0°10	13°58	S 20
M21	10 24 15	7°54'00	17°17	15°33	23°51	4°29	2°29	15°40	21°53	9° 2	28°22	2°29	1°10	0°16	14° 1	M21
T 22	10 28 12	8°53'50	29°49	17° 3	24°52	5° 8	2°35	15°45	21°56	9° 2	28°23	2°R29	1° 7	0°23	14° 5	T 22
W23	10 32 8	9°53'39	12♒41	18°34	25°54	5°48	2°42	15°49	22° 0	9° 1	28°25	2°29	1° 4	0°30	14° 9	W23
T 24	10 36 5	10°53'25	25°54	20° 6	26°55	6°27	2°48	15°54	22° 3	9° 0	28°26	2°27	1° 1	0°36	14°13	T 24
F 25	10 40 1	11°53'09	9♓28	21°39	27°56	7° 7	2°54	15°59	22° 6	9° 0	28°28	2°23	0°58	0°43	14°16	F 25
S 26	10 43 58	12°52'52	23°21	23°14	28°56	7°47	3° 1	16° 3	22°10	8°59	28°29	2°17	0°54	0°50	14°20	S 26
S 27	10 47 54	13°52'32	7♈29	24°50	29°56	8°26	3° 8	16° 8	22°13	8°59	28°30	2°10	0°51	0°56	14°24	S 27
M28	10 51 51	14°52'10	21°47	26°27	0♉56	9° 6	3°15	16°13	22°17	8°58	28°32	2° 3	0°48	1° 3	14°28	M28
T 29	10 55 48	15♓51'46	6♉10	28♒ 5	1♉55	9♉45	3♊22	16♉18	22♓20	8♋58	28♓33	1♌57	0♌45	1♐10	14♓31	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s33	5n 3	5s13	21s 2	0n49	1n11	0n21	8n42	0n24	20n 0	0s29	14n18	2s 4	4s19	0s43	22n32	0s41	16s 6	16s43	19n38	19n46	15s18	2s47	4n20
W 2	15 15	9 48	5 14	21 5	0 38	1 42	0 25	8 57	0 25	20 1	0 28	14 19	2 3	4 18	0 43	22 32	0 41	16 6	16 43	19 38	19 46	15 20	2 46	4 20
T 3	14 56	14 3	4 55	21 7	0 27	2 13	0 30	9 13	0 26	20 2	0 28	14 20	2 3	4 17	0 43	22 32	0 41	16 5	16 42	19 38	19 47	15 22	2 44	4 20
F 4	14 36	17 30	4 18	21 7	0 16	2 44	0 35	9 29	0 27	20 3	0 28	14 21	2 3	4 16	0 43	22 32	0 41	16 4	16 42	19 38	19 48	15 24	2 43	4 19
S 5	14 17	19 54	3 26	21 7	0 6	3 15	0 40	9 44	0 27	20 3	0 28	14 22	2 2	4 14	0 43	22 33	0 41	16 4	16 42	19 38	19 48	15 25	2 42	4 19
S 6	13 57	21 3	2 21	21 5	0s 4	3 46	0 45	10 0	0 28	20 4	0 28	14 23	2 2	4 13	0 43	22 33	0 41	16 3	16 42	19 37	19 49	15 27	2 41	4 19
M 7	13 37	20 52	1 8	21 2	0 13	4 17	0 50	10 15	0 29	20 5	0 27	14 25	2 2	4 12	0 43	22 33	0 41	16 2	16 42	19 37	19 50	15 29	2 40	4 19
T 8	13 17	19 23	0n 9	20 57	0 23	4 48	0 55	10 30	0 30	20 6	0 27	14 26	2 2	4 11	0 43	22 33	0 41	16 1	16 41	19 37	19 51	15 31	2 38	4 19
W 9	12 57	16 46	1 24	20 52	0 31	5 18	1 0	10 45	0 30	20 7	0 27	14 27	2 1	4 9	0 43	22 33	0 41	16 1	16 41	19 37	19 51	15 33	2 37	4 19
T 10	12 36	13 16	2 33	20 45	0 40	5 49	1 5	11 0	0 31	20 8	0 27	14 28	2 1	4 8	0 43	22 33	0 41	16 0	16 41	19 38	19 52	15 35	2 36	4 19
F 11	12 16	9 9	3 32	20 37	0 48	6 19	1 10	11 15	0 32	20 9	0 27	14 29	2 1	4 7	0 43	22 33	0 41	15 59	16 41	19 39	19 53	15 36	2 34	4 19
S 12	11 55	4 43	4 18	20 27	0 56	6 49	1 15	11 30	0 32	20 10	0 26	14 31	2 1	4 5	0 43	22 33	0 41	15 59	16 41	19 39	19 53	15 38	2 33	4 18
S 13	11 34	0 11	4 51	20 17	1 4	7 19	1 20	11 45	0 33	20 11	0 26	14 32	2 0	4 4	0 43	22 33	0 41	15 58	16 40	19 40	19 54	15 40	2 32	4 18
M14	11 12	4s16	5 9	20 4	1 11	7 49	1 26	12 0	0 34	20 13	0 26	14 33	2 0	4 3	0 43	22 34	0 41	15 57	16 40	19 42	19 55	15 42	2 31	4 18
T 15	10 51	8 27	5 13	19 51	1 18	8 19	1 31	12 15	0 34	20 14	0 26	14 35	2 0	4 2	0 43	22 34	0 41	15 57	16 40	19 42	19 56	15 44	2 29	4 18
W16	10 29	12 15	5 3	19 36	1 24	8 48	1 36	12 29	0 35	20 15	0 26	14 36	1 59	4 0	0 43	22 34	0 41	15 56	16 40	19 43	19 56	15 45	2 28	4 18
T 17	10 7	15 32	4 40	19 20	1 31	9 17	1 42	12 44	0 36	20 16	0 25	14 38	1 59	3 59	0 43	22 34	0 41	15 55	16 40	19 43	19 57	15 47	2 27	4 18
F 18	9 46	18 11	4 5	19 2	1 36	9 46	1 47	12 58	0 36	20 18	0 25	14 39	1 59	3 58	0 43	22 34	0 41	15 55	16 40	19 43	19 58	15 49	2 25	4 18
S 19	9 23	20 3	3 19	18 43	1 42	10 15	1 52	13 12	0 37	20 19	0 25	14 41	1 59	3 56	0 43	22 34	0 41	15 54	16 39	19 43	19 58	15 51	2 24	4 18
S 20	9 1	21 3	2 24	18 23	1 47	10 44	1 58	13 26	0 38	20 20	0 25	14 42	1 58	3 55	0 43	22 34	0 41	15 53	16 39	19 43	19 59	15 53	2 23	4 18
M21	8 39	21 5	1 22	18 1	1 51	11 12	2 3	13 40	0 38	20 21	0 25	14 44	1 58	3 54	0 43	22 34	0 41	15 53	16 39	19 42	20 0	15 54	2 21	4 18
T 22	8 16	20 3	0 15	17 38	1 55	11 40	2 8	13 54	0 39	20 23	0 24	14 45	1 58	3 52	0 43	22 34	0 41	15 52	16 39	19 42	20 0	15 56	2 20	4 18
W23	7 54	17 58	0s55	17 14	1 59	12 8	2 14	14 8	0 39	20 24	0 24	14 47	1 58	3 51	0 43	22 34	0 41	15 51	16 39	19 42	20 1	15 58	2 18	4 17
T 24	7 31	14 53	2 4	16 48	2 3	12 35	2 19	14 22	0 40	20 26	0 24	14 48	1 57	3 50	0 43	22 34	0 41	15 51	16 39	19 43	20 2	16 0	2 17	4 17
F 25	7 8	10 57	3 7	16 20	2 6	13 2	2 25	14 36	0 41	20 27	0 24	14 50	1 57	3 48	0 43	22 34	0 41	15 50	16 39	19 44	20 3	16 2	2 16	4 17
S 26	6 45	6 20	4 1	15 52	2 8	13 29	2 30	14 49	0 41	20 29	0 24	14 51	1 57	3 47	0 43	22 34	0 41	15 50	16 39	19 45	20 3	16 3	2 14	4 17
S 27	6 22	1 19	4 41	15 21	2 10	13 56	2 35	15 2	0 42	20 30	0 23	14 53	1 57	3 45	0 43	22 35	0 41	15 49	16 39	19 46	20 4	16 5	2 13	4 17
M28	5 59	3n50	5 4	14 50	2 12	14 22	2 41	15 16	0 42	20 32	0 23	14 55	1 56	3 44	0 43	22 35	0 41	15 48	16 39	19 48	20 5	16 7	2 12	4 17
T 29	5s36	8n48	5s 8	14s17	2s13	14n48	2n46	15n29	0n43	20n33	0s23	14n56	1s56	3s43	0s43	22n35	0s41	15s48	16s38	19n49	20n 5	16s 9	2s10	4n17

Julian Day Number = 2118480.5, Delta T = 18m22s
Ecliptic obliquity = 23°33'22, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°01'40, Lahiri = 11°08'41 Julian Calendar 1 Feb. 1088 == Greg. Calendar 7 Feb. 1088

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1088
geocentric

MARCH 1088 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 59 44	16♓51'20	20♉32	29♒45	2♉53	10♉25	3♊30	16♉23	22♓23	8°R57	28♓35	1°R53	0♌42	1♐17	14♓35	W 1
T 2	11 3 41	17°50'51	4♊50	1♓26	3°51	11° 4	3°37	16°29	22°27	8♋57	28°36	1♌50	0°38	1°23	14°39	T 2
F 3	11 7 37	18°50'20	19° 0	3° 8	4°49	11°44	3°45	16°34	22°30	8°56	28°38	1°D49	0°35	1°30	14°43	F 3
S 4	11 11 34	19°49'47	3♋ 2	4°51	5°46	12°23	3°52	16°39	22°34	8°56	28°39	1°50	0°32	1°37	14°46	S 4
S 5	11 15 30	20°49'11	16°53	6°36	6°43	13° 2	4° 0	16°45	22°37	8°56	28°40	1°51	0°29	1°43	14°50	S 5
M 6	11 19 27	21°48'33	0♌34	8°22	7°39	13°42	4° 8	16°50	22°41	8°55	28°42	1°R52	0°26	1°50	14°54	M 6
T 7	11 23 23	22°47'52	14° 6	10° 9	8°34	14°21	4°16	16°56	22°44	8°55	28°43	1°51	0°23	1°57	14°57	T 7
W 8	11 27 20	23°47'09	27°26	11°58	9°29	15° 1	4°25	17° 2	22°47	8°55	28°45	1°48	0°19	2° 4	15° 1	W 8
T 9	11 31 17	24°46'24	10♍36	13°48	10°23	15°40	4°33	17° 7	22°51	8°55	28°46	1°43	0°16	2°10	15° 5	T 9
F 10	11 35 13	25°45'37	23°34	15°40	11°17	16°19	4°41	17°13	22°54	8°55	28°48	1°35	0°13	2°17	15° 9	F 10
S 11	11 39 10	26°44'47	6♎19	17°32	12°10	16°59	4°50	17°19	22°58	8°55	28°49	1°26	0°10	2°24	15°12	S 11
S 12	11 43 6	27°43'56	18°50	19°27	13° 2	17°38	4°59	17°25	23° 1	8°55	28°51	1°15	0° 7	2°30	15°16	S 12
M13	11 47 3	28°43'02	1♏10	21°22	13°54	18°17	5° 8	17°31	23° 5	8°54	28°52	1° 5	0° 4	2°37	15°20	M13
T 14	11 50 59	29°42'07	13°17	23°19	14°45	18°56	5°17	17°37	23° 8	8°D54	28°54	0°55	0° 0	2°44	15°23	T 14
W15	11 54 56	0♈41'10	25°16	25°17	15°35	19°36	5°26	17°43	23°11	8°55	28°55	0°48	29♋57	2°50	15°27	W15
T 16	11 58 52	1°40'11	7♐ 8	27°16	16°24	20°15	5°35	17°49	23°15	8°55	28°56	0°42	29°54	2°57	15°30	T 16
F 17	12 2 49	2°39'10	18°59	29°17	17°13	20°54	5°45	17°56	23°18	8°55	28°58	0°39	29°51	3° 4	15°34	F 17
S 18	12 6 45	3°38'07	0♑52	1♈19	18° 0	21°33	5°54	18° 2	23°22	8°55	28°59	0°D38	29°48	3°11	15°38	S 18
S 19	12 10 42	4°37'03	12°53	3°22	18°47	22°12	6° 4	18° 8	23°25	8°55	29° 1	0°38	29°44	3°17	15°41	S 19
M20	12 14 39	5°35'57	25° 7	5°26	19°33	22°51	6°13	18°15	23°28	8°55	29° 2	0°R39	29°41	3°24	15°45	M20
T 21	12 18 35	6°34'48	7♒40	7°30	20°18	23°31	6°23	18°21	23°32	8°55	29° 4	0°39	29°38	3°31	15°48	T 21
W22	12 22 32	7°33'39	20°35	9°36	21° 2	24°10	6°33	18°28	23°35	8°56	29° 5	0°37	29°35	3°37	15°52	W22
T 23	12 26 28	8°32'27	3♓55	11°42	21°45	24°49	6°43	18°34	23°38	8°56	29° 7	0°33	29°32	3°44	15°55	T 23
F 24	12 30 25	9°31'13	17°42	13°48	22°27	25°28	6°53	18°41	23°42	8°56	29° 8	0°26	29°29	3°51	15°59	F 24
S 25	12 34 21	10°29'58	1♈54	15°54	23° 8	26° 7	7° 3	18°47	23°45	8°57	29°10	0°17	29°25	3°57	16° 2	S 25
S 26	12 38 18	11°28'40	16°26	18° 0	23°48	26°46	7°14	18°54	23°48	8°57	29°11	0° 7	29°22	4° 4	16° 6	S 26
M27	12 42 14	12°27'21	1♉11	20° 6	24°27	27°25	7°24	19° 1	23°52	8°57	29°12	29♋56	29°19	4°11	16° 9	M27
T 28	12 46 11	13°25'59	16° 1	22°10	25° 4	28° 4	7°35	19° 8	23°55	8°58	29°14	29°46	29°16	4°18	16°13	T 28
W29	12 50 8	14°24'35	0♊47	24°14	25°40	28°43	7°45	19°15	23°58	8°58	29°15	29°38	29°13	4°24	16°16	W29
T 30	12 54 4	15°23'10	15°23	26°16	26°15	29°22	7°56	19°22	24° 2	8°59	29°17	29°33	29°10	4°31	16°19	T 30
F 31	12 58 1	16♈21'42	29♊43	28♈16	26♉49	0♊ 1	8♊ 7	19♉29	24♓ 5	8♋59	29♓18	29♋30	29♋ 6	4♐38	16♓23	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s13	13n16	4s53	13s43	2s14	15n13	2n52	15n42	0n43	20n35	0s23	14n58	1s56	3s41	0s43	22n35	0s40	15s47	16s38	19n50	20n 6	16s11	2s 9	4n17
T 2	4 50	16 57	4 19	13 7	2 15	15 38	2 57	15 55	0 44	20 36	0 23	15 0	1 56	3 40	0 43	22 35	0 40	15 46	16 38	19 51	20 7	16 12	2 7	4 17
F 3	4 26	19 36	3 30	12 30	2 15	16 3	3 2	16 8	0 44	20 38	0 23	15 2	1 56	3 39	0 43	22 35	0 40	15 46	16 38	19 51	20 7	16 14	2 6	4 17
S 4	4 3	21 2	2 29	11 51	2 14	16 27	3 8	16 20	0 45	20 40	0 22	15 3	1 55	3 37	0 43	22 35	0 40	15 45	16 38	19 51	20 8	16 16	2 5	4 17
S 5	3 39	21 10	1 20	11 11	2 13	16 51	3 13	16 33	0 45	20 41	0 22	15 5	1 55	3 36	0 43	22 35	0 40	15 44	16 38	19 51	20 9	16 18	2 3	4 17
M 6	3 16	20 1	0 7	10 30	2 12	17 15	3 18	16 45	0 46	20 43	0 22	15 7	1 55	3 35	0 43	22 35	0 40	15 44	16 38	19 51	20 9	16 19	2 2	4 17
T 7	2 52	17 43	1n 5	9 48	2 10	17 38	3 24	16 58	0 46	20 45	0 22	15 9	1 55	3 33	0 43	22 35	0 40	15 43	16 38	19 51	20 10	16 21	2 0	4 17
W 8	2 29	14 30	2 13	9 4	2 7	18 1	3 29	17 10	0 47	20 46	0 22	15 10	1 54	3 32	0 43	22 35	0 40	15 43	16 38	19 51	20 11	16 23	1 59	4 17
T 9	2 5	10 36	3 12	8 18	2 4	18 23	3 34	17 22	0 47	20 48	0 22	15 12	1 54	3 30	0 43	22 35	0 40	15 42	16 38	19 53	20 11	16 25	1 58	4 17
F 10	1 42	6 15	4 1	7 32	2 1	18 45	3 39	17 34	0 48	20 50	0 21	15 14	1 54	3 29	0 43	22 35	0 40	15 41	16 38	19 54	20 12	16 26	1 56	4 17
S 11	1 18	1 42	4 36	6 44	1 56	19 7	3 44	17 46	0 48	20 52	0 21	15 16	1 54	3 28	0 43	22 35	0 40	15 41	16 38	19 56	20 13	16 28	1 55	4 17
S 12	0 54	2s50	4 58	5 55	1 52	19 28	3 49	17 57	0 49	20 53	0 21	15 18	1 54	3 26	0 43	22 35	0 40	15 40	16 38	19 59	20 14	16 30	1 53	4 17
M13	0 31	7 10	5 5	5 4	1 47	19 48	3 54	18 9	0 49	20 55	0 21	15 20	1 53	3 25	0 43	22 35	0 40	15 40	16 38	20 1	20 14	16 32	1 52	4 17
T 14	0 7	11 10	4 58	4 13	1 41	20 9	3 59	18 20	0 50	20 57	0 21	15 22	1 53	3 24	0 43	22 35	0 40	15 39	16 38	20 3	20 15	16 33	1 50	4 17
W15	0n16	14 41	4 38	3 20	1 35	20 28	4 4	18 31	0 50	20 59	0 21	15 23	1 53	3 22	0 43	22 35	0 40	15 38	16 38	20 5	20 16	16 35	1 49	4 17
T 16	0 40	17 34	4 6	2 26	1 28	20 47	4 9	18 42	0 50	21 0	0 20	15 25	1 53	3 21	0 43	22 35	0 40	15 38	16 38	20 6	20 16	16 37	1 48	4 17
F 17	1 4	19 43	3 23	1 32	1 21	21 6	4 13	18 53	0 51	21 2	0 20	15 27	1 53	3 20	0 43	22 35	0 40	15 37	16 38	20 7	20 17	16 39	1 46	4 17
S 18	1 27	21 1	2 32	0 36	1 14	21 24	4 18	19 4	0 51	21 4	0 20	15 29	1 52	3 18	0 43	22 35	0 40	15 37	16 38	20 7	20 18	16 40	1 45	4 17
S 19	1 51	21 23	1 33	0n21	1 5	21 42	4 22	19 15	0 52	21 6	0 20	15 31	1 52	3 17	0 43	22 36	0 40	15 36	16 38	20 7	20 18	16 42	1 43	4 17
M20	2 14	20 44	0 29	1 18	0 57	21 59	4 27	19 25	0 52	21 8	0 20	15 33	1 52	3 16	0 43	22 36	0 40	15 36	16 38	20 7	20 19	16 44	1 42	4 17
T 21	2 37	19 3	0s37	2 16	0 48	22 15	4 31	19 35	0 53	21 10	0 20	15 35	1 52	3 14	0 43	22 36	0 40	15 35	16 38	20 7	20 20	16 46	1 41	4 17
W22	3 1	16 21	1 44	3 14	0 38	22 32	4 35	19 46	0 53	21 11	0 19	15 37	1 52	3 13	0 43	22 36	0 40	15 35	16 38	20 7	20 20	16 47	1 39	4 17
T 23	3 24	12 43	2 47	4 13	0 28	22 47	4 39	19 56	0 53	21 13	0 19	15 39	1 51	3 12	0 43	22 36	0 40	15 34	16 38	20 8	20 21	16 49	1 38	4 17
F 24	3 47	8 18	3 43	5 12	0 18	23 2	4 43	20 5	0 54	21 15	0 19	15 41	1 51	3 10	0 43	22 36	0 40	15 34	16 38	20 9	20 22	16 51	1 36	4 17
S 25	4 11	3 18	4 26	6 10	0 7	23 16	4 47	20 15	0 54	21 17	0 19	15 43	1 51	3 9	0 43	22 36	0 40	15 33	16 38	20 11	20 22	16 52	1 35	4 17
S 26	4 34	1n59	4 53	7 9	0n 3	23 30	4 51	20 25	0 54	21 19	0 19	15 45	1 51	3 8	0 43	22 36	0 40	15 33	16 38	20 14	20 23	16 54	1 34	4 17
M27	4 57	7 14	5 2	8 7	0 14	23 44	4 54	20 34	0 55	21 21	0 19	15 47	1 51	3 6	0 43	22 36	0 40	15 32	16 38	20 16	20 24	16 56	1 32	4 17
T 28	5 20	12 5	4 50	9 4	0 25	23 56	4 58	20 43	0 55	21 23	0 18	15 49	1 51	3 5	0 43	22 36	0 40	15 32	16 39	20 18	20 24	16 58	1 31	4 17
W29	5 42	16 12	4 19	10 0	0 37	24 8	5 1	20 52	0 56	21 24	0 18	15 51	1 50	3 4	0 43	22 36	0 40	15 31	16 39	20 20	20 25	16 59	1 30	4 17
T 30	6 5	19 15	3 31	10 56	0 48	24 20	5 4	21 1	0 56	21 26	0 18	15 53	1 50	3 2	0 43	22 36	0 40	15 31	16 39	20 21	20 26	17 1	1 28	4 17
F 31	6n28	21n 3	2s31	11n49	0n59	24n31	5n 7	21n10	0n56	21n28	0s18	15n55	1s50	3s 1	0s43	22n36	0s39	15s30	16s39	20n21	20n26	17s 3	1s27	4n17

Julian Day Number = 2118509.5, Delta T = 18m21s
Ecliptic obliquity = 23°33'23, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°01'44, Lahiri = 11°08'45 Julian Calendar 1 March 1088 == Greg. Calendar 7 March 1088

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1088
geocentric

APRIL 1088 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 1 57	17♈20'11	13♋46	0♉15	27♉21	0♊40	8♊18	19♉36	24♓ 8	9♋ 0	29♓19	29°D29	29♋ 3	4♐44	16♓26	S 1
S 2	13 5 54	18°18'39	27°31	2°10	27°52	1°19	8°29	19°43	24°11	9° 1	29°21	29°R29	29° 0	4°51	16°29	S 2
M 3	13 9 50	19°17'04	11♌ 0	4° 3	28°21	1°58	8°40	19°50	24°14	9° 1	29°22	29♋29	28°57	4°58	16°33	M 3
T 4	13 13 47	20°15'27	24°14	5°53	28°48	2°37	8°51	19°57	24°18	9° 2	29°24	29°27	28°54	5° 4	16°36	T 4
W 5	13 17 43	21°13'48	7♍14	7°40	29°14	3°15	9° 2	20° 4	24°21	9° 3	29°25	29°22	28°50	5°11	16°39	W 5
T 6	13 21 40	22°12'07	20° 3	9°24	29°38	3°54	9°13	20°11	24°24	9° 4	29°26	29°15	28°47	5°18	16°42	T 6
F 7	13 25 37	23°10'24	2♎42	11° 3	0♊ 1	4°33	9°25	20°19	24°27	9° 4	29°28	29° 5	28°44	5°24	16°46	F 7
S 8	13 29 33	24° 8'38	15°10	12°39	0°21	5°12	9°36	20°26	24°30	9° 5	29°29	28°53	28°41	5°31	16°49	S 8
S 9	13 33 30	25° 6'51	27°28	14°11	0°40	5°51	9°48	20°33	24°33	9° 6	29°30	28°39	28°38	5°38	16°52	S 9
M10	13 37 26	26° 5'03	9♏38	15°39	0°57	6°29	9°59	20°40	24°36	9° 7	29°32	28°25	28°35	5°45	16°55	M10
T 11	13 41 23	27° 3'12	21°39	17° 2	1°12	7° 8	10°11	20°48	24°39	9° 8	29°33	28°13	28°31	5°51	16°58	T 11
W12	13 45 19	28° 1'20	3♐34	18°22	1°24	7°47	10°23	20°55	24°42	9° 9	29°34	28° 2	28°28	5°58	17° 1	W12
T 13	13 49 16	28°59'26	15°24	19°37	1°35	8°26	10°35	21° 3	24°45	9°10	29°36	27°54	28°25	6° 5	17° 4	T 13
F 14	13 53 12	29°57'31	27°14	20°47	1°43	9° 4	10°47	21°10	24°48	9°11	29°37	27°49	28°22	6°11	17° 7	F 14
S 15	13 57 9	0♉55'35	9♑ 6	21°53	1°49	9°43	10°59	21°18	24°51	9°12	29°38	27°46	28°19	6°18	17°10	S 15
S 16	14 1 5	1°53'36	21° 5	22°55	1°53	10°22	11°11	21°25	24°54	9°13	29°40	27°45	28°15	6°25	17°13	S 16
M17	14 5 2	2°51'37	3♒17	23°51	1°R55	11° 0	11°23	21°33	24°57	9°14	29°41	27°45	28°12	6°31	17°16	M17
T 18	14 8 59	3°49'36	15°47	24°43	1°54	11°39	11°35	21°40	25° 0	9°15	29°42	27°45	28° 9	6°38	17°18	T 18
W19	14 12 55	4°47'34	28°41	25°31	1°51	12°18	11°47	21°48	25° 3	9°16	29°43	27°43	28° 6	6°45	17°21	W19
T 20	14 16 52	5°45'30	12♓ 1	26°13	1°45	12°56	11°59	21°55	25° 5	9°17	29°45	27°39	28° 3	6°51	17°24	T 20
F 21	14 20 48	6°43'25	25°50	26°50	1°38	13°35	12°12	22° 3	25° 8	9°18	29°46	27°33	28° 0	6°58	17°27	F 21
S 22	14 24 45	7°41'19	10♈ 8	27°23	1°27	14°13	12°24	22°11	25°11	9°20	29°47	27°24	27°56	7° 5	17°29	S 22
S 23	14 28 41	8°39'11	24°50	27°51	1°14	14°52	12°37	22°18	25°14	9°21	29°48	27°13	27°53	7°12	17°32	S 23
M24	14 32 38	9°37'02	9♉51	28°13	0°59	15°30	12°49	22°26	25°16	9°22	29°49	27° 2	27°50	7°18	17°34	M24
T 25	14 36 34	10°34'51	25° 0	28°31	0°42	16° 9	13° 2	22°34	25°19	9°24	29°50	26°52	27°47	7°25	17°37	T 25
W26	14 40 31	11°32'39	10♊ 7	28°43	0°22	16°48	13°14	22°41	25°22	9°25	29°52	26°44	27°44	7°32	17°40	W26
T 27	14 44 28	12°30'25	25° 2	28°51	29♉59	17°26	13°27	22°49	25°24	9°26	29°53	26°39	27°41	7°38	17°42	T 27
F 28	14 48 24	13°28'10	9♋38	28°R54	29°35	18° 5	13°40	22°57	25°27	9°28	29°54	26°36	27°37	7°45	17°45	F 28
S 29	14 52 21	14°25'53	23°52	28°52	29° 9	18°43	13°52	23° 5	25°29	9°29	29°55	26°D35	27°34	7°52	17°47	S 29
S 30	14 56 17	15♉23'34	7♌42	28♉45	28♉41	19♊21	14♊ 5	23♉12	25♓32	9♋31	29♓56	26♋35	27♋31	7♐58	17♓49	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n50	21n29	1s22	12n42	1n 9	24n41	5n10	21n19	0n57	21n30	0s18	15n57	1s50	3s 0	0s43	22n36	0s39	15s30	16s39	20n22	20n27	17s 4	1s26	4n18
S 2	7 13	20 35	0 10	13 32	1 20	24 51	5 12	21 27	0 57	21 32	0 18	15 59	1 50	2 59	0 43	22 36	0 39	15 29	16 39	20 22	20 28	17 6	1 24	4 18
M 3	7 35	18 32	1n 1	14 20	1 30	24 59	5 14	21 35	0 57	21 34	0 18	16 1	1 50	2 57	0 43	22 36	0 39	15 29	16 39	20 22	20 28	17 8	1 23	4 18
T 4	7 57	15 30	2 7	15 7	1 40	25 8	5 16	21 44	0 58	21 36	0 17	16 3	1 50	2 56	0 43	22 36	0 39	15 28	16 39	20 22	20 29	17 10	1 22	4 18
W 5	8 19	11 46	3 5	15 51	1 49	25 15	5 18	21 51	0 58	21 38	0 17	16 5	1 49	2 55	0 43	22 36	0 39	15 28	16 39	20 23	20 30	17 11	1 20	4 18
T 6	8 41	7 32	3 53	16 33	1 57	25 22	5 20	21 59	0 58	21 40	0 17	16 7	1 49	2 54	0 43	22 36	0 39	15 28	16 40	20 24	20 30	17 13	1 19	4 18
F 7	9 3	3 2	4 29	17 12	2 5	25 28	5 21	22 7	0 59	21 41	0 17	16 9	1 49	2 52	0 43	22 36	0 39	15 27	16 40	20 27	20 31	17 15	1 18	4 18
S 8	9 25	1s31	4 51	17 49	2 12	25 34	5 22	22 14	0 59	21 43	0 17	16 12	1 49	2 51	0 43	22 35	0 39	15 27	16 40	20 29	20 31	17 16	1 16	4 18
S 9	9 46	5 58	5 0	18 23	2 19	25 39	5 23	22 21	0 59	21 45	0 17	16 14	1 49	2 50	0 43	22 35	0 39	15 26	16 40	20 32	20 32	17 18	1 15	4 18
M10	10 7	10 7	4 54	18 55	2 25	25 42	5 23	22 28	0 59	21 47	0 17	16 16	1 49	2 49	0 43	22 35	0 39	15 26	16 40	20 35	20 33	17 20	1 14	4 18
T 11	10 28	13 50	4 36	19 24	2 30	25 46	5 23	22 35	1 0	21 49	0 17	16 18	1 49	2 48	0 43	22 35	0 39	15 26	16 40	20 37	20 33	17 21	1 12	4 18
W12	10 49	16 58	4 5	19 50	2 34	25 48	5 22	22 42	1 0	21 51	0 16	16 20	1 48	2 46	0 43	22 35	0 39	15 25	16 41	20 39	20 34	17 23	1 11	4 18
T 13	11 10	19 23	3 24	20 14	2 37	25 49	5 22	22 49	1 0	21 52	0 16	16 22	1 48	2 45	0 43	22 35	0 39	15 25	16 41	20 41	20 35	17 25	1 10	4 19
F 14	11 31	20 58	2 34	20 36	2 39	25 50	5 21	22 55	1 1	21 54	0 16	16 24	1 48	2 44	0 43	22 35	0 39	15 24	16 41	20 42	20 35	17 26	1 9	4 19
S 15	11 51	21 38	1 37	20 55	2 41	25 50	5 19	23 1	1 1	21 56	0 16	16 26	1 48	2 43	0 43	22 35	0 39	15 24	16 41	20 43	20 36	17 28	1 7	4 19
S 16	12 11	21 19	0 35	21 11	2 41	25 49	5 17	23 7	1 1	21 58	0 16	16 28	1 48	2 42	0 43	22 35	0 39	15 24	16 41	20 43	20 37	17 30	1 6	4 19
M17	12 31	19 59	0s29	21 25	2 40	25 47	5 15	23 13	1 1	22 0	0 16	16 30	1 48	2 41	0 43	22 35	0 39	15 23	16 41	20 43	20 37	17 31	1 5	4 19
T 18	12 51	17 41	1 34	21 36	2 39	25 44	5 12	23 19	1 2	22 2	0 16	16 32	1 48	2 39	0 43	22 35	0 39	15 23	16 42	20 43	20 38	17 33	1 4	4 19
W19	13 11	14 26	2 36	21 45	2 36	25 40	5 8	23 24	1 2	22 3	0 15	16 34	1 48	2 38	0 43	22 35	0 39	15 23	16 42	20 43	20 39	17 35	1 3	4 19
T 20	13 30	10 21	3 31	21 52	2 32	25 35	5 4	23 29	1 2	22 5	0 15	16 36	1 47	2 37	0 43	22 35	0 39	15 23	16 42	20 44	20 39	17 36	1 1	4 19
F 21	13 50	5 35	4 17	21 56	2 27	25 29	5 0	23 34	1 2	22 7	0 15	16 38	1 47	2 36	0 43	22 35	0 39	15 22	16 42	20 45	20 40	17 38	1 0	4 19
S 22	14 9	0 23	4 48	21 58	2 21	25 22	4 55	23 39	1 3	22 9	0 15	16 40	1 47	2 35	0 43	22 35	0 39	15 22	16 42	20 47	20 40	17 40	0 59	4 20
S 23	14 27	5n 0	5 1	21 57	2 14	25 14	4 49	23 44	1 3	22 10	0 15	16 43	1 47	2 34	0 43	22 35	0 39	15 22	16 43	20 49	20 41	17 41	0 58	4 20
M24	14 46	10 11	4 54	21 55	2 6	25 4	4 43	23 49	1 3	22 12	0 15	16 45	1 47	2 33	0 43	22 35	0 39	15 21	16 43	20 51	20 42	17 43	0 57	4 20
T 25	15 4	14 48	4 26	21 50	1 57	24 54	4 37	23 53	1 3	22 14	0 15	16 47	1 47	2 32	0 43	22 35	0 39	15 21	16 43	20 53	20 42	17 44	0 56	4 20
W26	15 22	18 27	3 40	21 43	1 47	24 43	4 29	23 57	1 4	22 15	0 15	16 49	1 47	2 31	0 43	22 35	0 39	15 21	16 43	20 55	20 43	17 46	0 55	4 20
T 27	15 40	20 49	2 39	21 33	1 36	24 30	4 21	24 1	1 4	22 17	0 14	16 51	1 47	2 30	0 43	22 35	0 39	15 21	16 44	20 56	20 44	17 48	0 53	4 20
F 28	15 58	21 44	1 29	21 22	1 24	24 17	4 13	24 5	1 4	22 19	0 14	16 53	1 47	2 29	0 43	22 35	0 39	15 20	16 44	20 56	20 44	17 49	0 52	4 20
S 29	16 15	21 12	0 14	21 9	1 10	24 2	4 4	24 8	1 4	22 20	0 14	16 55	1 47	2 28	0 43	22 34	0 39	15 20	16 44	20 56	20 45	17 51	0 51	4 21
S 30	16n32	19n23	0n59	20n54	0n56	23n46	3n54	24n12	1n 4	22n22	0s14	16n57	1s47	2s27	0s43	22n34	0s39	15s20	16s44	20n56	20n46	17s53	0s50	4n21

Julian Day Number = 2118540.5, Delta T = 18m21s
Ecliptic obliquity = 23°33'23, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°01'48, Lahiri = 11°08'49 Julian Calendar 1 Apr. 1088 == Greg. Calendar 7 Apr. 1088

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1088
geocentric

MAY 1088 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	15 0 14	16♉21'14	21♌10	28°R34	28°R10	20♊ 0	14♊18	23♉20	25♓34	9♋32	29♓57	26°R35	27♋28	8♐ 5	17♓52	M 1
T 2	15 4 10	17°18'52	4♍18	28♉19	27♉38	20°38	14°31	23°28	25°37	9°33	29°58	26♋34	27°25	8°12	17°54	T 2
W 3	15 8 7	18°16'28	17° 8	28° 0	27° 5	21°17	14°44	23°36	25°39	9°35	29°59	26°30	27°21	8°18	17°56	W 3
T 4	15 12 3	19°14'03	29°44	27°37	26°30	21°55	14°57	23°44	25°41	9°37	0♈ 0	26°24	27°18	8°25	17°58	T 4
F 5	15 16 0	20°11'37	12♎ 8	27°11	25°55	22°34	15°10	23°51	25°44	9°38	0° 1	26°16	27°15	8°32	18° 0	F 5
S 6	15 19 57	21° 9'09	24°22	26°43	25°18	23°12	15°23	23°59	25°46	9°40	0° 2	26° 6	27°12	8°39	18° 3	S 6
S 7	15 23 53	22° 6'40	6♏29	26°12	24°41	23°50	15°36	24° 7	25°48	9°41	0° 3	25°54	27° 9	8°45	18° 5	S 7
M 8	15 27 50	23° 4'09	18°29	25°40	24° 3	24°29	15°49	24°15	25°51	9°43	0° 4	25°43	27° 6	8°52	18° 7	M 8
T 9	15 31 46	24° 1'38	0♐24	25° 7	23°25	25° 7	16° 2	24°23	25°53	9°45	0° 5	25°32	27° 2	8°59	18° 9	T 9
W10	15 35 43	24°59'05	12°15	24°33	22°47	25°45	16°15	24°31	25°55	9°46	0° 6	25°23	26°59	9° 5	18°10	W10
T 11	15 39 39	25°56'32	24° 4	23°59	22°10	26°24	16°29	24°38	25°57	9°48	0° 7	25°16	26°56	9°12	18°12	T 11
F 12	15 43 36	26°53'57	5♑54	23°26	21°33	27° 2	16°42	24°46	25°59	9°50	0° 8	25°12	26°53	9°19	18°14	F 12
S 13	15 47 32	27°51'22	17°48	22°54	20°57	27°40	16°55	24°54	26° 1	9°51	0° 9	25°10	26°50	9°25	18°16	S 13
S 14	15 51 29	28°48'46	29°49	22°24	20°22	28°18	17° 9	25° 2	26° 3	9°53	0°10	25°D 9	26°47	9°32	18°18	S 14
M15	15 55 26	29°46'09	12♒ 2	21°57	19°49	28°57	17°22	25°10	26° 5	9°55	0°11	25°10	26°43	9°39	18°19	M15
T 16	15 59 22	0♊43'32	24°31	21°32	19°16	29°35	17°35	25°17	26° 7	9°57	0°11	25°11	26°40	9°45	18°21	T 16
W17	16 3 19	1°40'54	7♓22	21°10	18°46	0♋13	17°49	25°25	26° 9	9°59	0°12	25°R11	26°37	9°52	18°23	W17
T 18	16 7 15	2°38'15	20°37	20°52	18°17	0°51	18° 2	25°33	26°11	10° 0	0°13	25°10	26°34	9°59	18°24	T 18
F 19	16 11 12	3°35'36	4♈21	20°37	17°50	1°30	18°16	25°41	26°12	10° 2	0°14	25° 6	26°31	10° 5	18°26	F 19
S 20	16 15 8	4°32'56	18°34	20°26	17°25	2° 8	18°29	25°49	26°14	10° 4	0°14	25° 1	26°27	10°12	18°27	S 20
S 21	16 19 5	5°30'16	3♉14	20°20	17° 3	2°46	18°42	25°56	26°16	10° 6	0°15	24°54	26°24	10°19	18°28	S 21
M22	16 23 1	6°27'35	18°14	20°D18	16°42	3°24	18°56	26° 4	26°17	10° 8	0°16	24°47	26°21	10°26	18°30	M22
T 23	16 26 58	7°24'54	3♊27	20°21	16°24	4° 3	19° 9	26°12	26°19	10°10	0°17	24°40	26°18	10°32	18°31	T 23
W24	16 30 55	8°22'12	18°43	20°28	16° 8	4°41	19°23	26°19	26°21	10°12	0°17	24°34	26°15	10°39	18°32	W24
T 25	16 34 51	9°19'29	3♋49	20°39	15°55	5°19	19°37	26°27	26°22	10°14	0°18	24°31	26°12	10°46	18°33	T 25
F 26	16 38 48	10°16'46	18°39	20°55	15°44	5°57	19°50	26°35	26°24	10°16	0°19	24°D29	26° 8	10°52	18°35	F 26
S 27	16 42 44	11°14'02	3♌ 6	21°16	15°35	6°35	20° 4	26°43	26°25	10°18	0°19	24°29	26° 5	10°59	18°36	S 27
S 28	16 46 41	12°11'17	17° 6	21°41	15°29	7°13	20°17	26°50	26°26	10°20	0°20	24°31	26° 2	11° 6	18°37	S 28
M29	16 50 37	13° 8'31	0♍41	22°11	15°25	7°52	20°31	26°58	26°28	10°22	0°20	24°32	25°59	11°12	18°38	M29
T 30	16 54 34	14° 5'44	13°51	22°45	15°D23	8°30	20°45	27° 5	26°29	10°24	0°21	24°R32	25°56	11°19	18°39	T 30
W31	16 58 31	15♊ 2'56	26♍39	23♉23	15♉24	9♋ 8	20♊58	27♉13	26♓30	10♋26	0♈21	24♋32	25♋53	11♐26	18♓39	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n49	16n31	2n 7	20n37	0n42	23n29	3n44	24n15	1n 5	22n24	0s14	16n59	1s46	2s26	0s43	22n34	0s39	15s20	16s45	20n56	20n46	17s54	0s49	4n21
T 2	17 5	12 52	3 6	20 18	0 26	23 12	3 33	24 18	1 5	22 25	0 14	17 1	1 46	2 25	0 44	22 34	0 38	15 20	16 45	20 57	20 47	17 56	0 48	4 21
W 3	17 21	8 42	3 55	19 58	0 10	22 53	3 22	24 21	1 5	22 27	0 14	17 3	1 46	2 24	0 44	22 34	0 38	15 20	16 45	20 57	20 47	17 57	0 47	4 21
T 4	17 37	4 15	4 31	19 37	0s 7	22 33	3 10	24 24	1 5	22 29	0 14	17 5	1 46	2 23	0 44	22 34	0 38	15 19	16 45	20 58	20 48	17 59	0 46	4 21
F 5	17 53	0s19	4 54	19 14	0 24	22 13	2 58	24 26	1 5	22 30	0 14	17 7	1 46	2 22	0 44	22 34	0 38	15 19	16 46	21 0	20 49	18 1	0 45	4 21
S 6	18 8	4 48	5 3	18 51	0 41	21 51	2 46	24 28	1 6	22 32	0 13	17 9	1 46	2 21	0 44	22 34	0 38	15 19	16 46	21 2	20 49	18 2	0 44	4 22
S 7	18 23	9 4	4 58	18 27	0 59	21 30	2 32	24 30	1 6	22 33	0 13	17 11	1 46	2 21	0 44	22 34	0 38	15 19	16 46	21 4	20 50	18 4	0 43	4 22
M 8	18 38	12 56	4 40	18 2	1 16	21 7	2 19	24 32	1 6	22 35	0 13	17 13	1 46	2 20	0 44	22 34	0 38	15 19	16 47	21 6	20 51	18 5	0 42	4 22
T 9	18 52	16 16	4 9	17 38	1 33	20 45	2 5	24 34	1 6	22 36	0 13	17 15	1 46	2 19	0 44	22 34	0 38	15 19	16 47	21 8	20 51	18 7	0 41	4 22
W10	19 6	18 56	3 28	17 13	1 50	20 21	1 52	24 35	1 6	22 38	0 13	17 17	1 46	2 18	0 44	22 33	0 38	15 19	16 47	21 10	20 52	18 9	0 41	4 22
T 11	19 20	20 47	2 38	16 49	2 6	19 58	1 38	24 37	1 6	22 39	0 13	17 19	1 46	2 17	0 44	22 33	0 38	15 18	16 47	21 11	20 52	18 10	0 40	4 22
F 12	19 34	21 44	1 41	16 26	2 22	19 35	1 23	24 38	1 7	22 41	0 13	17 21	1 46	2 16	0 44	22 33	0 38	15 18	16 48	21 12	20 53	18 12	0 39	4 23
S 13	19 47	21 43	0 39	16 4	2 37	19 12	1 9	24 39	1 7	22 42	0 13	17 23	1 46	2 16	0 44	22 33	0 38	15 18	16 48	21 12	20 54	18 13	0 38	4 23
S 14	20 0	20 42	0s25	15 43	2 50	18 49	0 55	24 40	1 7	22 43	0 13	17 24	1 46	2 15	0 44	22 33	0 38	15 18	16 48	21 12	20 54	18 15	0 37	4 23
M15	20 12	18 42	1 29	15 24	3 3	18 26	0 41	24 40	1 7	22 45	0 12	17 26	1 46	2 14	0 44	22 33	0 38	15 18	16 49	21 12	20 55	18 16	0 36	4 23
T 16	20 24	15 47	2 31	15 6	3 15	18 4	0 27	24 40	1 7	22 46	0 12	17 28	1 46	2 13	0 44	22 33	0 38	15 18	16 49	21 12	20 55	18 18	0 35	4 23
W17	20 36	12 3	3 27	14 50	3 25	17 42	0 13	24 41	1 7	22 48	0 12	17 30	1 46	2 13	0 44	22 33	0 38	15 18	16 49	21 12	20 56	18 20	0 35	4 24
T 18	20 47	7 37	4 14	14 36	3 35	17 21	0s 1	24 41	1 7	22 49	0 12	17 32	1 46	2 12	0 44	22 33	0 38	15 18	16 50	21 12	20 57	18 21	0 34	4 24
F 19	20 58	2 39	4 48	14 25	3 43	17 0	0 14	24 40	1 8	22 50	0 12	17 34	1 45	2 11	0 44	22 33	0 38	15 18	16 50	21 13	20 57	18 23	0 33	4 24
S 20	21 9	2n36	5 5	14 16	3 49	16 41	0 27	24 40	1 8	22 51	0 12	17 36	1 45	2 11	0 44	22 32	0 38	15 18	16 50	21 14	20 58	18 24	0 32	4 24
S 21	21 20	7 53	5 4	14 8	3 55	16 22	0 40	24 39	1 8	22 53	0 12	17 38	1 45	2 10	0 44	22 32	0 38	15 18	16 51	21 15	20 58	18 26	0 32	4 24
M22	21 30	12 49	4 42	14 4	3 59	16 4	0 52	24 39	1 8	22 54	0 12	17 39	1 45	2 9	0 44	22 32	0 38	15 18	16 51	21 17	20 59	18 27	0 31	4 24
T 23	21 39	17 1	4 0	14 1	4 2	15 48	1 4	24 38	1 8	22 55	0 12	17 41	1 45	2 9	0 44	22 32	0 38	15 18	16 51	21 18	21 0	18 29	0 30	4 25
W24	21 49	20 4	3 1	14 1	4 4	15 32	1 16	24 36	1 8	22 56	0 11	17 43	1 45	2 8	0 44	22 32	0 38	15 18	16 52	21 19	21 0	18 31	0 30	4 25
T 25	21 57	21 41	1 49	14 4	4 5	15 17	1 27	24 35	1 8	22 58	0 11	17 45	1 45	2 8	0 44	22 32	0 38	15 18	16 52	21 19	21 1	18 32	0 29	4 25
F 26	22 6	21 44	0 32	14 8	4 5	15 4	1 38	24 34	1 8	22 59	0 11	17 47	1 45	2 7	0 44	22 32	0 38	15 18	16 52	21 20	21 1	18 34	0 28	4 25
S 27	22 14	20 19	0n47	14 15	4 3	14 51	1 49	24 32	1 8	23 0	0 11	17 49	1 45	2 6	0 44	22 32	0 38	15 18	16 53	21 20	21 2	18 35	0 28	4 25
S 28	22 22	17 41	2 0	14 24	4 1	14 40	1 58	24 30	1 9	23 1	0 11	17 50	1 45	2 6	0 44	22 31	0 38	15 18	16 53	21 19	21 3	18 37	0 27	4 26
M29	22 29	14 9	3 4	14 34	3 58	14 30	2 8	24 28	1 9	23 2	0 11	17 52	1 45	2 5	0 44	22 31	0 38	15 19	16 53	21 19	21 3	18 38	0 27	4 26
T 30	22 36	10 1	3 56	14 47	3 53	14 21	2 17	24 26	1 9	23 3	0 11	17 54	1 45	2 5	0 44	22 31	0 38	15 19	16 54	21 19	21 4	18 40	0 26	4 26
W31	22n43	5n32	4n35	15n 1	3s48	14n12	2s26	24n23	1n 9	23n 4	0s11	17n56	1s45	2s 4	0s44	22n31	0s38	15s19	16s54	21n19	21n 4	18s41	0s26	4n26

Julian Day Number = 2118570.5, Delta T = 18m21s
Ecliptic obliquity = 23°33'23, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°01'53, Lahiri = 11°08'53 Julian Calendar 1 May 1088 == Greg. Calendar 7 May 1088

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1088
geocentric

JUNE 1088 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 2 27	16♊ 0'08	9♎10	24♉ 6	15♉27	9♋46	21♊12	27♉21	26♓32	10♋28	0♈22	24°R29	25♋49	11♐32	18♓40	T 1
F 2	17 6 24	16°57'20	21°27	24°53	15°32	10°24	21°25	27°28	26°33	10°30	0°22	24♋25	25°46	11°39	18°41	F 2
S 3	17 10 20	17°54'30	3♏34	25°44	15°39	11° 2	21°39	27°36	26°34	10°32	0°23	24°20	25°43	11°46	18°42	S 3
S 4	17 14 17	18°51'40	15°32	26°39	15°49	11°40	21°53	27°43	26°35	10°34	0°23	24°14	25°40	11°52	18°42	S 4
M 5	17 18 13	19°48'50	27°26	27°38	16° 1	12°18	22° 6	27°51	26°36	10°36	0°24	24° 8	25°37	11°59	18°43	M 5
T 6	17 22 10	20°46'00	9♐17	28°41	16°14	12°56	22°20	27°58	26°37	10°38	0°24	24° 2	25°33	12° 6	18°43	T 6
W 7	17 26 6	21°43'09	21° 7	29°48	16°30	13°34	22°34	28° 5	26°38	10°41	0°25	23°57	25°30	12°13	18°44	W 7
T 8	17 30 3	22°40'18	2♑58	0♊58	16°47	14°13	22°47	28°13	26°39	10°43	0°25	23°54	25°27	12°19	18°44	T 8
F 9	17 34 0	23°37'27	14°53	2°13	17° 7	14°51	23° 1	28°20	26°40	10°45	0°25	23°52	25°24	12°26	18°45	F 9
S 10	17 37 56	24°34'36	26°53	3°31	17°28	15°29	23°15	28°27	26°40	10°47	0°26	23°D52	25°21	12°33	18°45	S 10
S 11	17 41 53	25°31'45	9♒ 1	4°53	17°51	16° 7	23°28	28°35	26°41	10°49	0°26	23°53	25°18	12°39	18°45	S 11
M12	17 45 49	26°28'54	21°20	6°19	18°16	16°45	23°42	28°42	26°42	10°51	0°26	23°54	25°14	12°46	18°46	M12
T 13	17 49 46	27°26'03	3♓54	7°48	18°42	17°23	23°55	28°49	26°42	10°53	0°26	23°56	25°11	12°53	18°46	T 13
W14	17 53 42	28°23'12	16°47	9°21	19°10	18° 1	24° 9	28°56	26°43	10°56	0°27	23°57	25° 8	12°59	18°46	W14
T 15	17 57 39	29°20'22	0♈ 1	10°58	19°39	18°39	24°23	29° 4	26°44	10°58	0°27	23°R58	25° 5	13° 6	18°46	T 15
F 16	18 1 35	0♋17'32	13°38	12°37	20°10	19°17	24°36	29°11	26°44	11° 0	0°27	23°57	25° 2	13°13	18°R46	F 16
S 17	18 5 32	1°14'43	27°41	14°21	20°42	19°55	24°50	29°18	26°44	11° 2	0°27	23°55	24°59	13°19	18°46	S 17
S 18	18 9 29	2°11'53	12♉ 8	16° 7	21°16	20°33	25° 3	29°25	26°45	11° 4	0°27	23°53	24°55	13°26	18°46	S 18
M19	18 13 25	3° 9'05	26°56	17°56	21°51	21°11	25°17	29°32	26°45	11° 7	0°28	23°51	24°52	13°33	18°46	M19
T 20	18 17 22	4° 6'17	11♊58	19°49	22°27	21°49	25°31	29°39	26°46	11° 9	0°28	23°48	24°49	13°39	18°45	T 20
W21	18 21 18	5° 3'29	27° 6	21°44	23° 4	22°27	25°44	29°46	26°46	11°11	0°28	23°46	24°46	13°46	18°45	W21
T 22	18 25 15	6° 0'42	12♋10	23°41	23°42	23° 5	25°58	29°52	26°46	11°13	0°28	23°45	24°43	13°53	18°45	T 22
F 23	18 29 11	6°57'55	27° 2	25°41	24°22	23°43	26°11	29°59	26°46	11°16	0°28	23°D45	24°39	13°59	18°44	F 23
S 24	18 33 8	7°55'08	11♌35	27°43	25° 2	24°21	26°25	0♊ 6	26°46	11°18	0°R28	23°45	24°36	14° 6	18°44	S 24
S 25	18 37 4	8°52'21	25°43	29°47	25°44	24°59	26°38	0°13	26°46	11°20	0°28	23°46	24°33	14°13	18°44	S 25
M26	18 41 1	9°49'34	9♍25	1♋52	26°26	25°37	26°52	0°19	26°R46	11°22	0°28	23°47	24°30	14°19	18°43	M26
T 27	18 44 58	10°46'47	22°42	3°59	27°10	26°15	27° 5	0°26	26°46	11°24	0°28	23°48	24°27	14°26	18°42	T 27
W28	18 48 54	11°44'01	5♎34	6° 6	27°54	26°53	27°18	0°33	26°46	11°27	0°28	23°49	24°24	14°33	18°42	W28
T 29	18 52 51	12°41'15	18° 6	8°14	28°39	27°31	27°32	0°39	26°46	11°29	0°28	23°R49	24°20	14°39	18°41	T 29
F 30	18 56 47	13♋38'29	0♏22	10♋22	29♉25	28♋ 9	27♊45	0♊46	26♓46	11♋31	0♈27	23♋48	24♋17	14♐46	18♓40	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n49	0n56	5n 0	15n18	3s42	14n 5	2s34	24n20	1n 9	23n 5	0s11	17n57	1s45	2s 4	0s44	22n31	0s38	15s19	16s54	21n20	21n 5	18s43	0s25	4n26
F 2	22 55	3s37	5 10	15 35	3 36	14 0	2 42	24 18	1 9	23 6	0 11	17 59	1 45	2 4	0 44	22 31	0 38	15 19	16 55	21 20	21 6	18 44	0 25	4 27
S 3	23 0	7 57	5 7	15 55	3 28	13 55	2 49	24 15	1 9	23 7	0 10	18 1	1 45	2 3	0 45	22 31	0 38	15 19	16 55	21 21	21 6	18 46	0 24	4 27
S 4	23 5	11 57	4 50	16 15	3 20	13 51	2 56	24 11	1 9	23 8	0 10	18 2	1 45	2 3	0 45	22 30	0 38	15 19	16 55	21 22	21 7	18 47	0 24	4 27
M 5	23 10	15 27	4 20	16 37	3 12	13 48	3 3	24 8	1 9	23 9	0 10	18 4	1 45	2 2	0 45	22 30	0 38	15 19	16 56	21 23	21 7	18 49	0 23	4 27
T 6	23 14	18 20	3 40	17 0	3 3	13 46	3 9	24 4	1 9	23 10	0 10	18 6	1 45	2 2	0 45	22 30	0 38	15 20	16 56	21 24	21 8	18 50	0 23	4 27
W 7	23 18	20 26	2 50	17 23	2 53	13 45	3 14	24 1	1 9	23 11	0 10	18 7	1 45	2 2	0 45	22 30	0 38	15 20	16 56	21 25	21 9	18 52	0 23	4 28
T 8	23 21	21 39	1 52	17 48	2 43	13 45	3 20	23 57	1 9	23 12	0 10	18 9	1 45	2 1	0 45	22 30	0 38	15 20	16 57	21 26	21 9	18 53	0 22	4 28
F 9	23 24	21 54	0 49	18 13	2 32	13 45	3 25	23 53	1 10	23 12	0 10	18 11	1 45	2 1	0 45	22 30	0 38	15 20	16 57	21 26	21 10	18 55	0 22	4 28
S 10	23 27	21 9	0s17	18 39	2 21	13 47	3 29	23 48	1 10	23 13	0 10	18 12	1 45	2 1	0 45	22 29	0 38	15 20	16 58	21 26	21 10	18 56	0 22	4 28
S 11	23 29	19 25	1 22	19 6	2 9	13 49	3 34	23 44	1 10	23 14	0 10	18 14	1 45	2 1	0 45	22 29	0 38	15 21	16 58	21 26	21 11	18 58	0 21	4 28
M12	23 31	16 45	2 25	19 32	1 58	13 52	3 38	23 39	1 10	23 15	0 10	18 15	1 45	2 0	0 45	22 29	0 38	15 21	16 58	21 26	21 12	18 59	0 21	4 29
T 13	23 32	13 16	3 23	19 59	1 46	13 56	3 41	23 34	1 10	23 16	0 9	18 17	1 45	2 0	0 45	22 29	0 38	15 21	16 59	21 26	21 12	19 1	0 21	4 29
W14	23 33	9 6	4 11	20 25	1 34	14 0	3 45	23 29	1 10	23 16	0 9	18 18	1 45	2 0	0 45	22 29	0 38	15 21	16 59	21 25	21 13	19 2	0 21	4 29
T 15	23 33	4 24	4 48	20 51	1 21	14 5	3 47	23 24	1 10	23 17	0 9	18 20	1 45	2 0	0 45	22 29	0 38	15 22	16 59	21 25	21 13	19 4	0 20	4 29
F 16	23 33	0n39	5 10	21 17	1 9	14 10	3 50	23 19	1 10	23 18	0 9	18 21	1 45	2 0	0 45	22 28	0 38	15 22	17 0	21 25	21 14	19 5	0 20	4 29
S 17	23 33	5 49	5 14	21 42	0 56	14 17	3 53	23 13	1 10	23 18	0 9	18 23	1 45	1 59	0 45	22 28	0 38	15 22	17 0	21 26	21 14	19 7	0 20	4 30
S 18	23 32	10 48	4 59	22 6	0 44	14 23	3 55	23 8	1 10	23 19	0 9	18 24	1 46	1 59	0 45	22 28	0 37	15 22	17 0	21 26	21 15	19 8	0 20	4 30
M19	23 31	15 17	4 24	22 29	0 32	14 30	3 57	23 2	1 10	23 19	0 9	18 26	1 46	1 59	0 45	22 28	0 37	15 23	17 1	21 26	21 16	19 10	0 20	4 30
T 20	23 30	18 51	3 31	22 50	0 20	14 38	3 58	22 56	1 10	23 20	0 9	18 27	1 46	1 59	0 45	22 28	0 37	15 23	17 1	21 27	21 16	19 11	0 20	4 30
W21	23 28	21 10	2 22	23 10	0 8	14 46	4 0	22 50	1 10	23 21	0 9	18 29	1 46	1 59	0 45	22 28	0 37	15 23	17 2	21 27	21 17	19 12	0 20	4 30
T 22	23 25	21 56	1 4	23 28	0n 4	14 54	4 1	22 43	1 10	23 21	0 9	18 30	1 46	1 59	0 45	22 27	0 37	15 24	17 2	21 27	21 17	19 14	0 20	4 31
F 23	23 22	21 9	0n18	23 44	0 15	15 3	4 2	22 37	1 10	23 22	0 8	18 31	1 46	1 59	0 45	22 27	0 37	15 24	17 2	21 27	21 18	19 15	0 19	4 31
S 24	23 19	18 57	1 37	23 58	0 26	15 12	4 2	22 30	1 10	23 22	0 8	18 33	1 46	1 59	0 45	22 27	0 37	15 24	17 3	21 27	21 18	19 17	0 19	4 31
S 25	23 15	15 38	2 48	24 10	0 36	15 21	4 3	22 23	1 10	23 23	0 8	18 34	1 46	1 59	0 45	22 27	0 37	15 24	17 3	21 27	21 19	19 18	0 20	4 31
M26	23 11	11 34	3 47	24 19	0 46	15 31	4 3	22 16	1 10	23 23	0 8	18 36	1 46	1 59	0 45	22 27	0 37	15 25	17 3	21 27	21 20	19 20	0 20	4 31
T 27	23 7	7 4	4 31	24 25	0 55	15 41	4 3	22 9	1 10	23 23	0 8	18 37	1 46	1 59	0 45	22 27	0 37	15 25	17 4	21 27	21 20	19 21	0 20	4 32
W28	23 2	2 23	5 1	24 28	1 4	15 51	4 3	22 2	1 10	23 24	0 8	18 38	1 46	1 59	0 45	22 26	0 37	15 26	17 4	21 27	21 21	19 23	0 20	4 32
T 29	22 57	2s17	5 15	24 29	1 11	16 1	4 2	21 54	1 10	23 24	0 8	18 39	1 46	1 59	0 45	22 26	0 37	15 26	17 5	21 27	21 21	19 24	0 20	4 32
F 30	22n51	6s44	5n15	24n27	1n18	16n11	4s 2	21n47	1n10	23n24	0s 8	18n41	1s46	1s59	0s45	22n26	0s37	15s26	17s 5	21n27	21n22	19s25	0s20	4n32

Julian Day Number = 2118601.5, Delta T = 18m20s
Ecliptic obliquity = 23°33'22, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°01'57, Lahiri = 11°08'57 Julian Calendar 1 June 1088 == Greg. Calendar 7 June 1088

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1088
geocentric

JULY 1088 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 0 44	14♋35'43	12♏25	12♋30	0♊12	28♋47	27♊58	0♊52	26°R46	11♋33	0°R27	23°R47	24♋14	14♐53	18°R39	S 1
S 2	19 4 40	15°32'58	24°20	14°38	1° 0	29°25	28°12	0°58	26♓45	11°36	0♈27	23♋46	24°11	15° 0	18♓39	S 2
M 3	19 8 37	16°30'13	6♐11	16°45	1°48	0♌ 3	28°25	1° 5	26°45	11°38	0°27	23°45	24° 8	15° 6	18°38	M 3
T 4	19 12 33	17°27'29	18° 1	18°51	2°37	0°41	28°38	1°11	26°45	11°40	0°27	23°44	24° 5	15°13	18°37	T 4
W 5	19 16 30	18°24'46	29°53	20°57	3°27	1°19	28°51	1°17	26°44	11°42	0°27	23°44	24° 1	15°20	18°36	W 5
T 6	19 20 27	19°22'03	11♑49	23° 1	4°18	1°57	29° 5	1°23	26°44	11°44	0°26	23°44	23°58	15°26	18°35	T 6
F 7	19 24 23	20°19'20	23°52	25° 5	5° 9	2°35	29°18	1°29	26°43	11°47	0°26	23°D43	23°55	15°33	18°34	F 7
S 8	19 28 20	21°16'39	6♒ 3	27° 6	6° 1	3°13	29°31	1°35	26°43	11°49	0°26	23°43	23°52	15°40	18°32	S 8
S 9	19 32 16	22°13'58	18°25	29° 7	6°53	3°52	29°44	1°41	26°42	11°51	0°26	23°44	23°49	15°46	18°31	S 9
M10	19 36 13	23°11'18	0♓58	1♌ 6	7°46	4°30	29°57	1°47	26°41	11°53	0°25	23°44	23°45	15°53	18°30	M10
T 11	19 40 9	24° 8'40	13°46	3° 4	8°40	5° 8	0♋10	1°53	26°41	11°55	0°25	23°R44	23°42	16° 0	18°29	T 11
W12	19 44 6	25° 6'02	26°48	5° 0	9°34	5°46	0°23	1°59	26°40	11°58	0°24	23°44	23°39	16° 6	18°27	W12
T 13	19 48 2	26° 3'25	10♈ 7	6°54	10°28	6°24	0°36	2° 4	26°39	12° 0	0°24	23°43	23°36	16°13	18°26	T 13
F 14	19 51 59	27° 0'50	23°44	8°47	11°24	7° 2	0°49	2°10	26°38	12° 2	0°24	23°D43	23°33	16°20	18°24	F 14
S 15	19 55 56	27°58'16	7♉40	10°38	12°19	7°40	1° 2	2°15	26°37	12° 4	0°23	23°43	23°30	16°26	18°23	S 15
S 16	19 59 52	28°55'44	21°53	12°28	13°16	8°18	1°14	2°21	26°37	12° 6	0°23	23°44	23°26	16°33	18°21	S 16
M17	20 3 49	29°53'12	6♊22	14°16	14°12	8°56	1°27	2°26	26°36	12° 9	0°22	23°44	23°23	16°40	18°20	M17
T 18	20 7 45	0♌50'43	21° 4	16° 3	15°10	9°34	1°40	2°32	26°35	12°11	0°22	23°45	23°20	16°46	18°18	T 18
W19	20 11 42	1°48'14	5♋51	17°48	16° 7	10°12	1°52	2°37	26°33	12°13	0°21	23°45	23°17	16°53	18°16	W19
T 20	20 15 38	2°45'47	20°39	19°31	17° 5	10°50	2° 5	2°42	26°32	12°15	0°21	23°R46	23°14	17° 0	18°15	T 20
F 21	20 19 35	3°43'21	5♌19	21°13	18° 4	11°28	2°18	2°47	26°31	12°17	0°20	23°45	23°10	17° 6	18°13	F 21
S 22	20 23 31	4°40'56	19°46	22°53	19° 2	12° 6	2°30	2°52	26°30	12°19	0°20	23°45	23° 7	17°13	18°11	S 22
S 23	20 27 28	5°38'32	3♍53	24°32	20° 2	12°44	2°43	2°57	26°29	12°21	0°19	23°44	23° 4	17°20	18° 9	S 23
M24	20 31 25	6°36'10	17°37	26° 9	21° 1	13°23	2°55	3° 2	26°28	12°23	0°19	23°42	23° 1	17°26	18° 7	M24
T 25	20 35 21	7°33'48	0♎57	27°45	22° 1	14° 1	3° 7	3° 7	26°26	12°25	0°18	23°40	22°58	17°33	18° 5	T 25
W26	20 39 18	8°31'27	13°54	29°19	23° 1	14°39	3°20	3°12	26°25	12°27	0°17	23°39	22°55	17°40	18° 3	W26
T 27	20 43 14	9°29'08	26°28	0♍52	24° 2	15°17	3°32	3°16	26°23	12°29	0°17	23°38	22°51	17°46	18° 1	T 27
F 28	20 47 11	10°26'49	8♏45	2°23	25° 3	15°55	3°44	3°21	26°22	12°31	0°16	23°D37	22°48	17°53	17°59	F 28
S 29	20 51 7	11°24'32	20°49	3°53	26° 4	16°33	3°56	3°25	26°21	12°33	0°15	23°37	22°45	18° 0	17°57	S 29
S 30	20 55 4	12°22'16	2♐43	5°21	27° 6	17°11	4° 8	3°30	26°19	12°35	0°15	23°38	22°42	18° 6	17°55	S 30
M31	20 59 0	13♌20'01	14♐33	6♍47	28♊ 8	17♌50	4♋20	3♊34	26♓17	12♋37	0♈14	23♋40	22♋39	18♐13	17♓53	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n45	10s52	5n 0	24n22	1n25	16n22	4s 1	21n39	1n10	23n25	0s 8	18n42	1s46	1s59	0s45	22n26	0s37	15s27	17s 5	21n27	21n22	19s27	0s20	4n32
S 2	22 39	14 32	4 33	24 15	1 30	16 32	4 0	21 31	1 10	23 25	0 8	18 43	1 46	1 59	0 46	22 26	0 37	15 27	17 6	21 27	21 23	19 28	0 20	4 32
M 3	22 32	17 36	3 54	24 4	1 35	16 43	3 59	21 23	1 10	23 25	0 8	18 44	1 46	2 0	0 46	22 25	0 37	15 27	17 6	21 27	21 23	19 30	0 20	4 33
T 4	22 25	19 56	3 5	23 51	1 39	16 54	3 58	21 14	1 10	23 26	0 7	18 46	1 46	2 0	0 46	22 25	0 37	15 28	17 6	21 28	21 24	19 31	0 21	4 33
W 5	22 17	21 25	2 9	23 36	1 42	17 4	3 57	21 6	1 10	23 26	0 7	18 47	1 46	2 0	0 46	22 25	0 37	15 28	17 7	21 28	21 25	19 32	0 21	4 33
T 6	22 9	21 56	1 6	23 18	1 45	17 15	3 55	20 58	1 10	23 26	0 7	18 48	1 47	2 0	0 46	22 25	0 37	15 29	17 7	21 28	21 25	19 34	0 21	4 33
F 7	22 1	21 27	0s 1	22 58	1 47	17 26	3 53	20 49	1 10	23 26	0 7	18 49	1 47	2 0	0 46	22 25	0 37	15 29	17 7	21 28	21 26	19 35	0 21	4 33
S 8	21 52	19 57	1 8	22 36	1 48	17 37	3 52	20 40	1 10	23 26	0 7	18 50	1 47	2 1	0 46	22 25	0 37	15 30	17 8	21 28	21 26	19 37	0 22	4 33
S 9	21 43	17 29	2 13	22 12	1 48	17 47	3 50	20 31	1 10	23 26	0 7	18 51	1 47	2 1	0 46	22 24	0 37	15 30	17 8	21 28	21 27	19 38	0 22	4 34
M10	21 33	14 11	3 12	21 46	1 48	17 58	3 48	20 22	1 10	23 27	0 7	18 53	1 47	2 1	0 46	22 24	0 37	15 30	17 8	21 28	21 27	19 39	0 22	4 34
T 11	21 23	10 10	4 4	21 18	1 47	18 8	3 46	20 13	1 10	23 27	0 7	18 54	1 47	2 2	0 46	22 24	0 37	15 31	17 9	21 28	21 28	19 41	0 23	4 34
W12	21 13	5 36	4 43	20 49	1 45	18 19	3 43	20 3	1 10	23 27	0 7	18 55	1 47	2 2	0 46	22 24	0 37	15 31	17 9	21 28	21 28	19 42	0 23	4 34
T 13	21 2	0 42	5 9	20 18	1 43	18 29	3 41	19 54	1 10	23 27	0 7	18 56	1 47	2 2	0 46	22 24	0 37	15 32	17 9	21 28	21 29	19 44	0 24	4 34
F 14	20 51	4n20	5 17	19 46	1 41	18 39	3 38	19 44	1 10	23 27	0 6	18 57	1 47	2 3	0 46	22 23	0 37	15 32	17 10	21 28	21 30	19 45	0 24	4 34
S 15	20 40	9 17	5 8	19 13	1 38	18 49	3 36	19 34	1 10	23 27	0 6	18 58	1 47	2 3	0 46	22 23	0 37	15 33	17 10	21 28	21 30	19 46	0 24	4 35
S 16	20 28	13 49	4 40	18 39	1 34	18 59	3 33	19 24	1 10	23 27	0 6	18 59	1 47	2 3	0 46	22 23	0 37	15 33	17 10	21 28	21 31	19 48	0 25	4 35
M17	20 16	17 38	3 54	18 4	1 30	19 8	3 30	19 14	1 10	23 27	0 6	19 0	1 47	2 4	0 46	22 23	0 37	15 34	17 11	21 28	21 31	19 49	0 25	4 35
T 18	20 4	20 24	2 52	17 28	1 26	19 18	3 27	19 4	1 10	23 27	0 6	19 1	1 48	2 4	0 46	22 23	0 37	15 34	17 11	21 27	21 32	19 50	0 26	4 35
W19	19 51	21 48	1 38	16 51	1 21	19 27	3 24	18 53	1 10	23 27	0 6	19 2	1 48	2 5	0 46	22 22	0 37	15 35	17 11	21 27	21 32	19 52	0 26	4 35
T 20	19 38	21 41	0 17	16 14	1 15	19 36	3 21	18 43	1 10	23 26	0 6	19 2	1 48	2 5	0 46	22 22	0 37	15 35	17 12	21 27	21 33	19 53	0 27	4 35
F 21	19 25	20 4	1n 4	15 36	1 10	19 44	3 18	18 32	1 9	23 26	0 6	19 3	1 48	2 6	0 46	22 22	0 37	15 36	17 12	21 27	21 33	19 54	0 27	4 35
S 22	19 11	17 10	2 19	14 57	1 3	19 52	3 14	18 21	1 9	23 26	0 6	19 4	1 48	2 6	0 46	22 22	0 37	15 36	17 12	21 27	21 34	19 56	0 28	4 36
S 23	18 57	13 18	3 24	14 18	0 57	20 0	3 11	18 11	1 9	23 26	0 6	19 5	1 48	2 7	0 46	22 22	0 37	15 37	17 13	21 28	21 34	19 57	0 29	4 36
M24	18 43	8 50	4 16	13 39	0 50	20 8	3 8	18 0	1 9	23 26	0 6	19 6	1 48	2 7	0 46	22 22	0 37	15 37	17 13	21 28	21 35	19 58	0 29	4 36
T 25	18 28	4 5	4 52	13 0	0 43	20 15	3 4	17 48	1 9	23 26	0 5	19 7	1 48	2 8	0 46	22 21	0 37	15 38	17 13	21 28	21 35	20 0	0 30	4 36
W26	18 13	0s43	5 12	12 20	0 36	20 22	3 1	17 37	1 9	23 26	0 5	19 8	1 48	2 8	0 46	22 21	0 37	15 38	17 14	21 29	21 36	20 1	0 31	4 36
T 27	17 58	5 21	5 16	11 40	0 29	20 29	2 57	17 26	1 9	23 25	0 5	19 8	1 48	2 9	0 46	22 21	0 37	15 39	17 14	21 29	21 37	20 2	0 31	4 36
F 28	17 42	9 40	5 5	11 0	0 21	20 35	2 53	17 14	1 9	23 25	0 5	19 9	1 49	2 10	0 46	22 21	0 37	15 39	17 14	21 29	21 37	20 4	0 32	4 36
S 29	17 27	13 31	4 41	10 20	0 13	20 40	2 49	17 3	1 9	23 25	0 5	19 10	1 49	2 10	0 46	22 21	0 37	15 40	17 15	21 29	21 38	20 5	0 33	4 36
S 30	17 10	16 47	4 6	9 40	0 5	20 46	2 46	16 51	1 9	23 25	0 5	19 11	1 49	2 11	0 46	22 20	0 37	15 40	17 15	21 29	21 38	20 6	0 33	4 36
M31	16n54	19s21	3n20	9n 0	0s 4	20n51	2s42	16n39	1n 9	23n24	0s 5	19n11	1s49	2s11	0s46	22n20	0s37	15s41	17s15	21n28	21n39	20s 8	0s34	4n37

Julian Day Number = 2118631.5, Delta T = 18m20s
Ecliptic obliquity = 23°33'23, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°02'01, Lahiri = 11°09'01 Julian Calendar 1 July 1088 == Greg. Calendar 7 July 1088

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1088
geocentric

AUGUST 1088 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 2 57	14♌17'47	26♐24	8♍12	29♊10	18♌28	4♋32	3♊38	26°R16	12♋39	0°R13	23♋41	22♋36	18♐20	17°R51	T 1
W 2	21 6 54	15°15'35	8♑19	9°36	0♋12	19° 6	4°44	3°42	26♓14	12°41	0♈12	23°43	22°32	18°26	17♓49	W 2
T 3	21 10 50	16°13'24	20°21	10°57	1°15	19°44	4°55	3°46	26°13	12°43	0°12	23°R43	22°29	18°33	17°46	T 3
F 4	21 14 47	17°11'14	2♒34	12°18	2°18	20°22	5° 7	3°50	26°11	12°45	0°11	23°43	22°26	18°40	17°44	F 4
S 5	21 18 43	18° 9'06	15° 0	13°36	3°22	21° 1	5°19	3°54	26° 9	12°47	0°10	23°42	22°23	18°46	17°42	S 5
S 6	21 22 40	19° 6'59	27°40	14°53	4°25	21°39	5°30	3°58	26° 7	12°49	0° 9	23°39	22°20	18°53	17°39	S 6
M 7	21 26 36	20° 4'54	10♓34	16° 7	5°29	22°17	5°42	4° 2	26° 6	12°51	0° 8	23°36	22°16	19° 0	17°37	M 7
T 8	21 30 33	21° 2'51	23°42	17°20	6°33	22°55	5°53	4° 5	26° 4	12°53	0° 7	23°31	22°13	19° 6	17°35	T 8
W 9	21 34 29	22° 0'49	7♈ 4	18°31	7°38	23°33	6° 4	4° 9	26° 2	12°55	0° 7	23°27	22°10	19°13	17°32	W 9
T 10	21 38 26	22°58'49	20°38	19°40	8°42	24°12	6°16	4°12	26° 0	12°56	0° 6	23°23	22° 7	19°20	17°30	T 10
F 11	21 42 23	23°56'51	4♉24	20°47	9°47	24°50	6°27	4°16	25°58	12°58	0° 5	23°21	22° 4	19°26	17°27	F 11
S 12	21 46 19	24°54'55	18°21	21°52	10°52	25°28	6°38	4°19	25°56	13° 0	0° 4	23°19	22° 1	19°33	17°25	S 12
S 13	21 50 16	25°53'02	2♊27	22°54	11°58	26° 6	6°49	4°22	25°54	13° 2	0° 3	23°D19	21°57	19°40	17°22	S 13
M14	21 54 12	26°51'10	16°40	23°54	13° 3	26°45	7° 0	4°25	25°52	13° 3	0° 2	23°20	21°54	19°46	17°19	M14
T 15	21 58 9	27°49'20	1♋ 0	24°51	14° 9	27°23	7°11	4°28	25°50	13° 5	0° 1	23°22	21°51	19°53	17°17	T 15
W16	22 2 5	28°47'33	15°23	25°46	15°15	28° 1	7°21	4°31	25°48	13° 7	0° 0	23°23	21°48	20° 0	17°14	W16
T 17	22 6 2	29°45'47	29°45	26°37	16°21	28°40	7°32	4°33	25°46	13° 8	29♓59	23°R23	21°45	20° 6	17°12	T 17
F 18	22 9 58	0♍44'04	14♌ 3	27°26	17°28	29°18	7°43	4°36	25°44	13°10	29°58	23°21	21°42	20°13	17° 9	F 18
S 19	22 13 55	1°42'22	28°11	28°10	18°34	29°57	7°53	4°39	25°42	13°12	29°57	23°18	21°38	20°20	17° 6	S 19
S 20	22 17 52	2°40'42	12♍ 5	28°52	19°41	0♍35	8° 3	4°41	25°40	13°13	29°56	23°13	21°35	20°26	17° 4	S 20
M21	22 21 48	3°39'04	25°42	29°29	20°48	1°13	8°14	4°43	25°37	13°15	29°55	23° 6	21°32	20°33	17° 1	M21
T 22	22 25 45	4°37'27	8♎58	0♎ 2	21°55	1°52	8°24	4°45	25°35	13°16	29°54	22°59	21°29	20°40	16°58	T 22
W23	22 29 41	5°35'52	21°53	0°31	23° 3	2°30	8°34	4°48	25°33	13°18	29°53	22°53	21°26	20°46	16°55	W23
T 24	22 33 38	6°34'19	4♏28	0°55	24°10	3° 9	8°44	4°50	25°31	13°19	29°52	22°47	21°22	20°53	16°53	T 24
F 25	22 37 34	7°32'48	16°46	1°14	25°18	3°47	8°54	4°52	25°28	13°21	29°51	22°43	21°19	21° 0	16°50	F 25
S 26	22 41 31	8°31'18	28°49	1°28	26°26	4°26	9° 3	4°53	25°26	13°22	29°50	22°41	21°16	21° 6	16°47	S 26
S 27	22 45 27	9°29'50	10♐43	1°35	27°34	5° 4	9°13	4°55	25°24	13°24	29°49	22°D40	21°13	21°13	16°44	S 27
M28	22 49 24	10°28'24	22°33	1°R37	28°42	5°42	9°23	4°57	25°22	13°25	29°48	22°41	21°10	21°20	16°41	M28
T 29	22 53 21	11°27'00	4♑24	1°32	29°51	6°21	9°32	4°58	25°19	13°27	29°46	22°42	21° 7	21°26	16°39	T 29
W30	22 57 17	12°25'37	16°20	1°20	0♌59	7° 0	9°41	4°59	25°17	13°28	29°45	22°43	21° 3	21°33	16°36	W30
T 31	23 1 14	13♍24'16	28♑28	1♎ 1	2♌ 8	7♍38	9♋50	5♊ 1	25♓15	13♋29	29♓44	22°R43	21♋ 0	21♐40	16♓33	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	16n37	21s 5	2n25	8n21	0s12	20n55	2s38	16n27	1n 9	23n24	0s 5	19n12	1s49	2s12	0s46	22n20	0s37	15s42	17s15	21n28	21n39	20s 9	0s35	4n37	
W 2	16 20	21 54	1 24	7 41	0 21	20 59	2 34	16 15	1 9	23 24	0 5	19 13	1 49	2 13	0 46	22 20	0 37	15 42	17 16	21 28	21 40	20 10	0 36	4 37	
T 3	16 3	21 42	0 19	7 2	0 30	21 3	2 30	16 3	1 8	23 23	0 5	19 13	1 49	2 13	0 46	22 20	0 37	15 43	17 16	21 28	21 40	20 12	0 37	4 37	
F 4	15 46	20 28	0s49	6 23	0 39	21 6	2 26	15 51	1 8	23 23	0 5	19 14	1 49	2 14	0 46	22 19	0 37	15 43	17 16	21 28	21 41	20 13	0 37	4 37	
S 5	15 28	18 14	1 54	5 45	0 48	21 9	2 22	15 38	1 8	23 23	0 4	19 14	1 50	2 15	0 47	22 19	0 37	15 44	17 16	21 28	21 41	20 14	0 38	4 37	
S 6	15 10	15 5	2 56	5 6	0 57	21 11	2 18	15 26	1 8	23 22	0 4	19 15	1 50	2 16	0 47	22 19	0 37	15 44	17 17	21 28	21 42	20 15	0 39	4 37	
M 7	14 52	11 11	3 49	4 29	1 6	21 13	2 14	15 13	1 8	23 22	0 4	19 16	1 50	2 16	0 47	22 19	0 37	15 45	17 17	21 29	21 42	20 17	0 40	4 37	
T 8	14 33	6 40	4 32	3 52	1 16	21 14	2 9	15 1	1 8	23 21	0 4	19 16	1 50	2 17	0 47	22 19	0 37	15 45	17 17	21 30	21 43	20 18	0 41	4 37	
W 9	14 14	1 47	5 0	3 15	1 25	21 15	2 5	14 48	1 8	23 21	0 4	19 17	1 50	2 18	0 47	22 19	0 37	15 46	17 17	21 31	21 43	20 19	0 42	4 37	
T 10	13 55	3n16	5 12	2 40	1 34	21 15	2 1	14 35	1 8	23 21	0 4	19 17	1 50	2 19	0 47	22 18	0 37	15 47	17 18	21 31	21 44	20 21	0 43	4 37	
F 11	13 36	8 14	5 7	2 5	1 44	21 15	1 57	14 22	1 8	23 20	0 4	19 18	1 50	2 19	0 47	22 18	0 37	15 47	17 18	21 32	21 44	20 22	0 44	4 37	
S 12	13 17	12 50	4 44	1 30	1 53	21 14	1 52	14 9	1 7	23 20	0 4	19 18	1 50	2 20	0 47	22 18	0 37	15 48	17 18	21 32	21 45	20 23	0 44	4 37	
S 13	12 57	16 47	4 3	0 57	2 3	21 13	1 48	13 56	1 7	23 19	0 4	19 19	1 51	2 21	0 47	22 18	0 37	15 48	17 18	21 32	21 45	20 24	0 45	4 38	
M14	12 37	19 47	3 7	0 25	2 12	21 11	1 44	13 43	1 7	23 19	0 4	19 19	1 51	2 22	0 47	22 18	0 37	15 49	17 19	21 32	21 46	20 26	0 46	4 38	
T 15	12 17	21 34	1 59	0s 6	2 21	21 9	1 40	13 29	1 7	23 18	0 3	19 19	1 51	2 23	0 47	22 18	0 37	15 49	17 19	21 31	21 46	20 27	0 47	4 38	
W16	11 57	21 57	0 44	0 36	2 30	21 6	1 35	13 16	1 7	23 18	0 3	19 20	1 51	2 23	0 47	22 17	0 37	15 50	17 19	21 31	21 47	20 28	0 48	4 38	
T 17	11 37	20 52	0n35	1 5	2 39	21 3	1 31	13 2	1 7	23 17	0 3	19 20	1 51	2 24	0 47	22 17	0 37	15 51	17 19	21 31	21 47	20 29	0 49	4 38	
F 18	11 16	18 27	1 50	1 32	2 48	20 59	1 27	12 49	1 7	23 17	0 3	19 20	1 51	2 25	0 47	22 17	0 37	15 51	17 19	21 31	21 48	20 31	0 50	4 38	
S 19	10 55	14 57	2 58	1 58	2 57	20 54	1 22	12 35	1 7	23 16	0 3	19 21	1 51	2 26	0 47	22 17	0 37	15 52	17 20	21 32	21 48	20 32	0 51	4 38	
S 20	10 34	10 39	3 54	2 22	3 5	20 49	1 18	12 21	1 6	23 16	0 3	19 21	1 51	2 27	0 47	22 17	0 37	15 52	17 20	21 33	21 49	20 33	0 52	4 38	
M21	10 13	5 55	4 35	2 45	3 13	20 43	1 14	12 7	1 6	23 15	0 3	19 21	1 52	2 28	0 47	22 17	0 37	15 53	17 20	21 34	21 49	20 34	0 53	4 38	
T 22	9 52	1 2	5 0	3 5	3 21	20 37	1 10	11 54	1 6	23 15	0 3	19 22	1 52	2 29	0 47	22 16	0 37	15 53	17 20	21 35	21 50	20 35	0 55	4 38	
W23	9 30	3s47	5 9	3 23	3 28	20 30	1 5	11 40	1 6	23 14	0 3	19 22	1 52	2 30	0 47	22 16	0 37	15 54	17 20	21 36	21 50	20 37	0 56	4 38	
T 24	9 9	8 19	5 3	3 39	3 35	20 23	1 1	11 25	1 6	23 14	0 3	19 22	1 52	2 30	0 47	22 16	0 37	15 54	17 20	21 37	21 51	20 38	0 57	4 38	
F 25	8 47	12 24	4 43	3 52	3 41	20 15	0 57	11 11	1 6	23 13	0 2	19 22	1 52	2 31	0 47	22 16	0 37	15 55	17 20	21 38	21 51	20 39	0 58	4 38	
S 26	8 25	15 55	4 10	4 2	3 46	20 6	0 53	10 57	1 6	23 12	0 2	19 23	1 52	2 32	0 47	22 16	0 37	15 56	17 21	21 38	21 52	20 40	0 59	4 38	
S 27	8 3	18 45	3 27	4 10	3 51	19 57	0 48	10 43	1 5	23 12	0 2	19 23	1 52	2 33	0 47	22 16	0 37	15 56	17 21	21 38	21 52	20 42	1 0	4 38	
M28	7 41	20 45	2 36	4 14	3 55	19 48	0 44	10 28	1 5	23 11	0 2	19 23	1 53	2 34	0 47	22 15	0 37	15 57	17 21	21 38	21 53	20 43	1 1	4 38	
T 29	7 18	21 52	1 37	4 14	3 57	19 38	0 40	10 14	1 5	23 11	0 2	19 23	1 53	2 35	0 47	22 15	0 37	15 57	17 21	21 38	21 53	20 44	1 2	4 38	
W30	6 56	21 59	0 34	4 11	3 59	19 27	0 36	9 59	1 5	23 10	0 2	19 23	1 53	2 36	0 47	22 15	0 37	15 58	17 21	21 38	21 54	20 45	1 3	4 38	
T 31	6n33	21s 4	0s31	4s 4	3s59	19n16	0s32	9n45	1n 5	23n10	0s 2	19n23	1s53	2s37	0s47	22n15	0s37	15s58	17s21	21n38	21n54	20s46	1s 4	4n38	

Julian Day Number = 2118662.5, Delta T = 18m20s
Ecliptic obliquity = 23°33'23, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°02'05, Lahiri = 11°09'06 Julian Calendar 1 Aug. 1088 == Greg. Calendar 7 Aug. 1088

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1088
geocentric

SEPTEMBER 1088 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 5 10	14♍22'57	10♒49	0°R35	3♌17	8♍17	9♋59	5♊ 2	25°R12	13♋31	29°R43	22°R41	20♋57	21♐46	16°R30	F 1
S 2	23 9 7	15°21'39	23°28	0♎ 2	4°26	8°55	10° 8	5° 3	25♓10	13°32	29♓42	22♋37	20°54	21°53	16♓27	S 2
S 3	23 13 3	16°20'24	6♓26	29♍22	5°35	9°34	10°17	5° 4	25° 7	13°33	29°41	22°31	20°51	22° 0	16°25	S 3
M 4	23 17 0	17°19'10	19°42	28°36	6°44	10°12	10°26	5° 5	25° 5	13°34	29°40	22°23	20°48	22° 6	16°22	M 4
T 5	23 20 56	18°17'59	3♈16	27°43	7°54	10°51	10°35	5° 5	25° 3	13°35	29°39	22°14	20°44	22°13	16°19	T 5
W 6	23 24 53	19°16'49	17° 4	26°44	9° 3	11°30	10°43	5° 6	25° 0	13°37	29°37	22° 4	20°41	22°20	16°16	W 6
T 7	23 28 49	20°15'42	1♉ 3	25°41	10°13	12° 8	10°51	5° 6	24°58	13°38	29°36	21°56	20°38	22°26	16°13	T 7
F 8	23 32 46	21°14'37	15° 8	24°35	11°23	12°47	11° 0	5° 7	24°55	13°39	29°35	21°49	20°35	22°33	16°11	F 8
S 9	23 36 43	22°13'35	29°17	23°28	12°33	13°26	11° 8	5° 7	24°53	13°40	29°34	21°44	20°32	22°40	16° 8	S 9
S 10	23 40 39	23°12'34	13♊26	22°20	13°43	14° 4	11°16	5° 7	24°51	13°41	29°33	21°42	20°28	22°46	16° 5	S 10
M11	23 44 36	24°11'37	27°34	21°15	14°54	14°43	11°23	5°R 7	24°48	13°42	29°32	21°D42	20°25	22°53	16° 2	M11
T 12	23 48 32	25°10'41	11♋40	20°12	16° 4	15°22	11°31	5° 7	24°46	13°43	29°31	21°42	20°22	23° 0	15°59	T 12
W13	23 52 29	26° 9'48	25°42	19°15	17°15	16° 0	11°39	5° 7	24°43	13°44	29°29	21°R42	20°19	23° 6	15°57	W13
T 14	23 56 25	27° 8'58	9♌39	18°25	18°25	16°39	11°46	5° 7	24°41	13°45	29°28	21°41	20°16	23°13	15°54	T 14
F 15	0 0 22	28° 8'09	23°30	17°43	19°36	17°18	11°53	5° 6	24°38	13°46	29°27	21°37	20°13	23°20	15°51	F 15
S 16	0 4 18	29° 7'23	7♍14	17°11	20°47	17°57	12° 0	5° 6	24°36	13°46	29°26	21°31	20° 9	23°26	15°48	S 16
S 17	0 8 15	0♎ 6'39	20°46	16°48	21°58	18°36	12° 7	5° 5	24°34	13°47	29°25	21°22	20° 6	23°33	15°46	S 17
M18	0 12 12	1° 5'57	4♎ 5	16°37	23° 9	19°14	12°14	5° 5	24°31	13°48	29°23	21°10	20° 3	23°40	15°43	M18
T 19	0 16 8	2° 5'18	17° 9	16°D35	24°21	19°53	12°21	5° 4	24°29	13°49	29°22	20°58	20° 0	23°46	15°40	T 19
W20	0 20 5	3° 4'40	29°56	16°45	25°32	20°32	12°27	5° 3	24°26	13°49	29°21	20°46	19°57	23°53	15°38	W20
T 21	0 24 1	4° 4'04	12♏26	17° 5	26°43	21°11	12°34	5° 2	24°24	13°50	29°20	20°35	19°53	24° 0	15°35	T 21
F 22	0 27 58	5° 3'30	24°40	17°35	27°55	21°50	12°40	5° 1	24°22	13°51	29°19	20°26	19°50	24° 6	15°32	F 22
S 23	0 31 54	6° 2'58	6♐42	18°14	29° 7	22°29	12°46	4°59	24°19	13°51	29°18	20°20	19°47	24°13	15°30	S 23
S 24	0 35 51	7° 2'28	18°35	19° 2	0♑18	23° 8	12°52	4°58	24°17	13°52	29°16	20°16	19°44	24°20	15°27	S 24
M25	0 39 47	8° 2'00	0♑23	19°58	1°30	23°47	12°58	4°56	24°15	13°53	29°15	20°15	19°41	24°26	15°25	M25
T 26	0 43 44	9° 1'34	12°12	21° 1	2°42	24°26	13° 3	4°55	24°12	13°53	29°14	20°D15	19°38	24°33	15°22	T 26
W27	0 47 41	10° 1'09	24° 8	22°10	3°54	25° 5	13° 9	4°53	24°10	13°54	29°13	20°R15	19°34	24°40	15°20	W27
T 28	0 51 37	11° 0'46	6♒16	23°24	5° 7	25°44	13°14	4°51	24° 8	13°54	29°12	20°14	19°31	24°46	15°17	T 28
F 29	0 55 34	12° 0'25	18°41	24°43	6°19	26°23	13°19	4°49	24° 5	13°54	29°11	20°11	19°28	24°53	15°15	F 29
S 30	0 59 30	13♎ 0'06	1♓27	26♍ 7	7♍31	27♍ 2	13♋24	4♊47	24♓ 3	13♋55	29♓10	20♋ 6	19♋25	25♐ 0	15♓12	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6n11	19s 8	1s36	3s53	3s58	19n 4	0s28	9n30	1n 5	23n 9	0s 2	19n23	1s53	2s38	0s47	22n15	0s37	15s59	17s21	21n38	21n55	20s47	1s 6	4n37
S 2	5 48	16 14	2 38	3 37	3 56	18 52	0 24	9 15	1 4	23 8	0 2	19 23	1 53	2 39	0 47	22 15	0 37	15 59	17 21	21 39	21 55	20 49	1 7	4 37
S 3	5 25	12 29	3 33	3 17	3 52	18 39	0 20	9 1	1 4	23 8	0 1	19 23	1 53	2 40	0 47	22 15	0 37	16 0	17 22	21 40	21 56	20 50	1 8	4 37
M 4	5 2	8 2	4 17	2 53	3 45	18 25	0 16	8 46	1 4	23 7	0 1	19 23	1 54	2 41	0 47	22 15	0 37	16 0	17 22	21 41	21 56	20 51	1 9	4 37
T 5	4 39	3 6	4 49	2 24	3 37	18 11	0 12	8 31	1 4	23 7	0 1	19 23	1 54	2 42	0 47	22 14	0 37	16 1	17 22	21 43	21 57	20 52	1 10	4 37
W 6	4 16	2n 4	5 4	1 52	3 28	17 57	0 8	8 16	1 4	23 6	0 1	19 23	1 54	2 43	0 47	22 14	0 37	16 2	17 22	21 44	21 57	20 53	1 11	4 37
T 7	3 53	7 11	5 1	1 16	3 16	17 42	0 4	8 1	1 3	23 6	0 1	19 23	1 54	2 44	0 47	22 14	0 37	16 2	17 22	21 46	21 58	20 54	1 12	4 37
F 8	3 29	11 59	4 40	0 37	3 2	17 27	0 0	7 46	1 3	23 5	0 1	19 23	1 54	2 45	0 47	22 14	0 37	16 3	17 22	21 47	21 58	20 56	1 14	4 37
S 9	3 6	16 9	4 2	0n 4	2 46	17 11	0n 3	7 31	1 3	23 4	0 1	19 23	1 54	2 46	0 47	22 14	0 37	16 3	17 22	21 48	21 59	20 57	1 15	4 37
S 10	2 42	19 23	3 9	0 46	2 29	16 54	0 7	7 16	1 3	23 4	0 1	19 23	1 54	2 47	0 47	22 14	0 37	16 4	17 22	21 48	21 59	20 58	1 16	4 37
M11	2 19	21 27	2 5	1 29	2 11	16 37	0 11	7 1	1 3	23 3	0 1	19 23	1 54	2 48	0 47	22 14	0 37	16 4	17 22	21 48	22 0	20 59	1 17	4 37
T 12	1 56	22 9	0 53	2 12	1 51	16 20	0 14	6 45	1 2	23 3	0 0	19 23	1 55	2 48	0 47	22 14	0 37	16 5	17 22	21 48	22 0	21 0	1 18	4 37
W13	1 32	21 27	0n21	2 52	1 31	16 2	0 18	6 30	1 2	23 2	0 0	19 23	1 55	2 49	0 47	22 13	0 37	16 5	17 22	21 48	22 1	21 1	1 19	4 37
T 14	1 8	19 26	1 34	3 31	1 11	15 43	0 21	6 15	1 2	23 2	0 0	19 22	1 55	2 50	0 47	22 13	0 37	16 6	17 22	21 48	22 1	21 2	1 21	4 36
F 15	0 45	16 17	2 41	4 6	0 51	15 24	0 25	5 59	1 2	23 1	0 0	19 22	1 55	2 51	0 47	22 13	0 37	16 6	17 22	21 49	22 2	21 4	1 22	4 36
S 16	0 21	12 15	3 37	4 37	0 31	15 5	0 28	5 44	1 2	23 1	0 0	19 22	1 55	2 52	0 47	22 13	0 37	16 6	17 22	21 50	22 2	21 5	1 23	4 36
S 17	0s 3	7 40	4 20	5 3	0 11	14 45	0 31	5 28	1 1	23 0	0n 0	19 22	1 55	2 53	0 47	22 13	0 37	16 7	17 22	21 51	22 3	21 6	1 24	4 36
M18	0 26	2 47	4 49	5 25	0n 7	14 25	0 35	5 13	1 1	23 0	0 0	19 21	1 55	2 54	0 47	22 13	0 37	16 7	17 22	21 53	22 3	21 7	1 25	4 36
T 19	0 50	2s 8	5 1	5 41	0 24	14 4	0 38	4 57	1 1	22 59	0 0	19 21	1 56	2 55	0 47	22 13	0 37	16 8	17 22	21 55	22 4	21 8	1 26	4 36
W20	1 14	6 51	4 58	5 52	0 40	13 43	0 41	4 42	1 1	22 59	0 0	19 21	1 56	2 56	0 47	22 13	0 38	16 8	17 22	21 57	22 4	21 9	1 28	4 36
T 21	1 37	11 11	4 40	5 57	0 54	13 21	0 44	4 26	1 0	22 58	0 1	19 21	1 56	2 57	0 47	22 13	0 38	16 9	17 22	21 58	22 4	21 10	1 29	4 36
F 22	2 1	14 59	4 10	5 58	1 7	12 59	0 47	4 11	1 0	22 58	0 1	19 20	1 56	2 58	0 47	22 13	0 38	16 9	17 22	22 0	22 5	21 11	1 30	4 35
S 23	2 25	18 6	3 29	5 53	1 19	12 37	0 50	3 55	1 0	22 57	0 1	19 20	1 56	2 59	0 47	22 13	0 38	16 10	17 22	22 1	22 5	21 12	1 31	4 35
S 24	2 48	20 25	2 40	5 43	1 29	12 14	0 53	3 39	1 0	22 57	0 1	19 20	1 56	3 0	0 47	22 12	0 38	16 10	17 22	22 1	22 6	21 13	1 32	4 35
M25	3 12	21 50	1 43	5 29	1 37	11 51	0 56	3 23	1 0	22 56	0 1	19 19	1 56	3 1	0 47	22 12	0 38	16 10	17 22	22 1	22 6	21 15	1 33	4 35
T 26	3 36	22 17	0 43	5 11	1 44	11 28	0 58	3 8	0 59	22 56	0 1	19 19	1 56	3 2	0 47	22 12	0 38	16 11	17 22	22 1	22 7	21 16	1 34	4 35
W27	3 59	21 44	0s21	4 49	1 50	11 4	1 1	2 52	0 59	22 56	0 1	19 18	1 56	3 3	0 47	22 12	0 38	16 11	17 22	22 1	22 7	21 17	1 35	4 35
T 28	4 23	20 9	1 24	4 23	1 55	10 40	1 4	2 36	0 59	22 55	0 1	19 18	1 57	3 3	0 47	22 12	0 38	16 12	17 22	22 1	22 8	21 18	1 37	4 34
F 29	4 46	17 35	2 25	3 55	1 58	10 16	1 6	2 20	0 58	22 55	0 2	19 17	1 57	3 4	0 47	22 12	0 38	16 12	17 22	22 2	22 8	21 19	1 38	4 34
S 30	5s10	14s 7	3s20	3n24	2n 1	9n51	1n 8	2n 4	0n58	22n54	0n 2	19n17	1s57	3s 5	0s47	22n12	0s38	16s12	17s22	22n 3	22n 9	21s20	1s39	4n34

Julian Day Number = 2118693.5, Delta T = 18m20s
Ecliptic obliquity = 23°33'24, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°02'09, Lahiri = 11°09'10 Julian Calendar 1 Sept. 1088 == Greg. Calendar 7 Sept. 1088

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1088
geocentric

OCTOBER 1088 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 3 27	13♎59'48	14♓36	27♍33	8♍44	27♍41	13♋29	4°R45	24°R 1	13♋55	29°R 8	19°R58	19♋22	25♐ 6	15°R10	S 1
M 2	1 7 23	14°59'33	28°10	29° 3	9°56	28°20	13°33	4♊43	23♓59	13°56	29♓ 7	19♋47	19°19	25°13	15♓ 8	M 2
T 3	1 11 20	15°59'19	12♈ 5	0♎35	11° 9	28°59	13°38	4°41	23°56	13°56	29° 6	19°35	19°15	25°19	15° 5	T 3
W 4	1 15 16	16°59'07	26°20	2° 9	12°21	29°39	13°42	4°38	23°54	13°56	29° 5	19°23	19°12	25°26	15° 3	W 4
T 5	1 19 13	17°58'58	10♉46	3°44	13°34	0♎18	13°46	4°36	23°52	13°56	29° 4	19°12	19° 9	25°33	15° 1	T 5
F 6	1 23 9	18°58'50	25°18	5°21	14°47	0°57	13°50	4°33	23°50	13°56	29° 3	19° 2	19° 6	25°39	14°59	F 6
S 7	1 27 6	19°58'45	9♊49	6°59	16° 0	1°36	13°53	4°31	23°48	13°57	29° 2	18°56	19° 3	25°46	14°56	S 7
S 8	1 31 3	20°58'42	24°14	8°37	17°13	2°15	13°57	4°28	23°46	13°57	29° 1	18°52	18°59	25°53	14°54	S 8
M 9	1 34 59	21°58'41	8♋30	10°16	18°26	2°55	14° 0	4°25	23°44	13°57	29° 0	18°51	18°56	25°59	14°52	M 9
T 10	1 38 56	22°58'43	22°34	11°55	19°39	3°34	14° 3	4°22	23°42	13°57	28°59	18°51	18°53	26° 6	14°50	T 10
W11	1 42 52	23°58'46	6♌27	13°35	20°53	4°13	14° 6	4°19	23°40	13°R57	28°58	18°50	18°50	26°13	14°48	W11
T 12	1 46 49	24°58'52	20° 8	15°14	22° 6	4°53	14° 9	4°16	23°38	13°57	28°57	18°49	18°47	26°19	14°46	T 12
F 13	1 50 45	25°59'00	3♍38	16°54	23°19	5°32	14°12	4°12	23°36	13°57	28°55	18°44	18°44	26°26	14°44	F 13
S 14	1 54 42	26°59'10	16°57	18°33	24°33	6°11	14°14	4° 9	23°34	13°57	28°54	18°37	18°40	26°33	14°42	S 14
S 15	1 58 38	27°59'22	0♎ 6	20°13	25°47	6°51	14°16	4° 6	23°32	13°57	28°53	18°27	18°37	26°39	14°40	S 15
M16	2 2 35	28°59'36	13° 3	21°52	27° 0	7°30	14°18	4° 2	23°30	13°56	28°52	18°15	18°34	26°46	14°39	M16
T 17	2 6 32	29°59'52	25°48	23°30	28°14	8°10	14°20	3°58	23°28	13°56	28°51	18° 1	18°31	26°53	14°37	T 17
W18	2 10 28	1♏ 0'10	8♏21	25° 9	29°28	8°49	14°22	3°55	23°27	13°56	28°51	17°47	18°28	26°59	14°35	W18
T 19	2 14 25	2° 0'30	20°40	26°47	0♎41	9°29	14°23	3°51	23°25	13°56	28°50	17°35	18°24	27° 6	14°33	T 19
F 20	2 18 21	3° 0'51	2♐48	28°25	1°55	10° 8	14°24	3°47	23°23	13°55	28°49	17°25	18°21	27°13	14°32	F 20
S 21	2 22 18	4° 1'14	14°45	0♏ 3	3° 9	10°48	14°25	3°43	23°21	13°55	28°48	17°17	18°18	27°19	14°30	S 21
S 22	2 26 14	5° 1'39	26°35	1°40	4°23	11°27	14°26	3°39	23°20	13°55	28°47	17°13	18°15	27°26	14°29	S 22
M23	2 30 11	6° 2'05	8♑22	3°17	5°37	12° 7	14°27	3°35	23°18	13°54	28°46	17°11	18°12	27°33	14°27	M23
T 24	2 34 7	7° 2'32	20° 9	4°53	6°51	12°46	14°27	3°31	23°17	13°54	28°45	17°D11	18° 9	27°39	14°26	T 24
W25	2 38 4	8° 3'01	2♒ 3	6°30	8° 5	13°26	14°28	3°27	23°15	13°53	28°44	17°R11	18° 5	27°46	14°24	W25
T 26	2 42 1	9° 3'31	14° 8	8° 6	9°19	14° 6	14°R28	3°23	23°14	13°53	28°43	17°11	18° 2	27°53	14°23	T 26
F 27	2 45 57	10° 4'03	26°31	9°42	10°34	14°45	14°27	3°19	23°12	13°52	28°42	17°10	17°59	27°59	14°22	F 27
S 28	2 49 54	11° 4'36	9♓15	11°17	11°48	15°25	14°27	3°14	23°11	13°52	28°42	17° 6	17°56	28° 6	14°21	S 28
S 29	2 53 50	12° 5'10	22°26	12°52	13° 2	16° 5	14°27	3°10	23° 9	13°51	28°41	17° 0	17°53	28°13	14°19	S 29
M30	2 57 47	13° 5'45	6♈ 4	14°27	14°16	16°44	14°26	3° 5	23° 8	13°51	28°40	16°52	17°50	28°19	14°18	M30
T 31	3 1 43	14♏ 6'22	20♈10	16♏ 2	15♎31	17♎24	14♋25	3♊ 1	23♓ 7	13♋50	28♓39	16♋42	17♋46	28♐26	14♓17	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s33	9s52	4s 6	2n50	2n 2	9n26	1n11	1n49	0n58	22n54	0n 2	19n17	1s57	3s 6	0s47	22n12	0s38	16s13	17s22	22n 4	22n 9	21s21	1s40	4n34
M 2	5 56	5 0	4 40	2 15	2 2	9 0	1 13	1 33	0 58	22 54	0 2	19 16	1 57	3 7	0 47	22 12	0 38	16 13	17 21	22 5	22 10	21 22	1 41	4 34
T 3	6 19	0n14	4 58	1 38	2 2	8 35	1 15	1 17	0 57	22 53	0 2	19 15	1 57	3 8	0 47	22 12	0 38	16 13	17 21	22 7	22 10	21 23	1 42	4 33
W 4	6 42	5 35	4 58	0 59	2 1	8 9	1 17	1 1	0 57	22 53	0 2	19 15	1 57	3 9	0 47	22 12	0 38	16 14	17 21	22 9	22 10	21 24	1 43	4 33
T 5	7 5	10 42	4 40	0 19	1 59	7 43	1 19	0 45	0 57	22 53	0 2	19 14	1 57	3 10	0 47	22 12	0 38	16 14	17 21	22 11	22 11	21 25	1 44	4 33
F 6	7 28	15 15	4 3	0s21	1 56	7 16	1 21	0 29	0 57	22 52	0 2	19 14	1 57	3 10	0 47	22 12	0 38	16 14	17 21	22 12	22 11	21 26	1 45	4 33
S 7	7 51	18 54	3 10	1 3	1 53	6 49	1 23	0 13	0 56	22 52	0 3	19 13	1 58	3 11	0 47	22 12	0 38	16 15	17 21	22 13	22 12	21 27	1 46	4 33
S 8	8 14	21 20	2 6	1 45	1 50	6 23	1 25	0s 3	0 56	22 52	0 3	19 13	1 58	3 12	0 47	22 12	0 38	16 15	17 21	22 13	22 12	21 28	1 47	4 32
M 9	8 36	22 23	0 54	2 28	1 46	5 55	1 27	0 19	0 56	22 52	0 3	19 12	1 58	3 13	0 47	22 12	0 38	16 15	17 21	22 13	22 13	21 29	1 48	4 32
T 10	8 59	21 59	0n20	3 11	1 41	5 28	1 28	0 35	0 55	22 52	0 3	19 11	1 58	3 14	0 47	22 12	0 38	16 16	17 20	22 13	22 13	21 30	1 49	4 32
W11	9 21	20 14	1 32	3 54	1 37	5 1	1 30	0 51	0 55	22 51	0 3	19 11	1 58	3 14	0 46	22 12	0 38	16 16	17 20	22 13	22 14	21 31	1 50	4 32
T 12	9 43	17 20	2 37	4 37	1 32	4 33	1 31	1 6	0 55	22 51	0 3	19 10	1 58	3 15	0 46	22 12	0 38	16 16	17 20	22 14	22 14	21 32	1 51	4 32
F 13	10 5	13 32	3 33	5 21	1 26	4 5	1 33	1 22	0 55	22 51	0 3	19 9	1 58	3 16	0 46	22 12	0 38	16 16	17 20	22 14	22 14	21 33	1 52	4 31
S 14	10 27	9 6	4 16	6 4	1 21	3 37	1 34	1 38	0 54	22 51	0 3	19 9	1 58	3 17	0 46	22 12	0 38	16 17	17 20	22 15	22 15	21 34	1 53	4 31
S 15	10 49	4 19	4 45	6 47	1 15	3 9	1 35	1 54	0 54	22 51	0 4	19 8	1 58	3 17	0 46	22 12	0 38	16 17	17 20	22 17	22 15	21 35	1 54	4 31
M16	11 10	0s35	4 59	7 30	1 9	2 40	1 36	2 10	0 54	22 51	0 4	19 7	1 58	3 18	0 46	22 12	0 38	16 17	17 19	22 18	22 16	21 36	1 55	4 31
T 17	11 32	5 24	4 58	8 12	1 3	2 12	1 37	2 26	0 53	22 51	0 4	19 7	1 58	3 19	0 46	22 12	0 38	16 17	17 19	22 20	22 16	21 37	1 56	4 30
W18	11 53	9 54	4 42	8 54	0 56	1 43	1 38	2 42	0 53	22 51	0 4	19 6	1 58	3 19	0 46	22 12	0 38	16 18	17 19	22 22	22 17	21 38	1 57	4 30
T 19	12 14	13 57	4 13	9 36	0 50	1 14	1 39	2 58	0 53	22 51	0 4	19 5	1 58	3 20	0 46	22 12	0 38	16 18	17 19	22 24	22 17	21 39	1 58	4 30
F 20	12 35	17 21	3 32	10 17	0 43	0 46	1 40	3 14	0 52	22 51	0 4	19 4	1 58	3 21	0 46	22 12	0 38	16 18	17 19	22 25	22 18	21 40	1 59	4 30
S 21	12 55	19 59	2 43	10 58	0 37	0 17	1 41	3 30	0 52	22 51	0 4	19 4	1 58	3 21	0 46	22 12	0 38	16 18	17 18	22 26	22 18	21 41	1 59	4 29
S 22	13 16	21 44	1 47	11 38	0 30	0s12	1 41	3 46	0 52	22 51	0 5	19 3	1 58	3 22	0 46	22 12	0 38	16 18	17 18	22 27	22 18	21 42	2 0	4 29
M23	13 36	22 31	0 47	12 18	0 24	0 41	1 42	4 1	0 51	22 51	0 5	19 2	1 58	3 23	0 46	22 12	0 38	16 18	17 18	22 27	22 19	21 43	2 1	4 29
T 24	13 56	22 18	0s16	12 57	0 17	1 10	1 42	4 17	0 51	22 51	0 5	19 1	1 59	3 23	0 46	22 12	0 38	16 19	17 18	22 27	22 19	21 44	2 2	4 29
W25	14 16	21 4	1 18	13 35	0 10	1 39	1 43	4 33	0 51	22 51	0 5	19 0	1 59	3 24	0 46	22 12	0 38	16 19	17 17	22 27	22 20	21 45	2 3	4 28
T 26	14 35	18 53	2 19	14 13	0 4	2 8	1 43	4 49	0 50	22 51	0 5	19 0	1 59	3 24	0 46	22 12	0 38	16 19	17 17	22 27	22 20	21 46	2 3	4 28
F 27	14 54	15 46	3 14	14 50	0s 3	2 37	1 43	5 4	0 50	22 51	0 5	18 59	1 59	3 25	0 46	22 12	0 38	16 19	17 17	22 27	22 20	21 47	2 4	4 28
S 28	15 13	11 51	4 1	15 27	0 10	3 6	1 43	5 20	0 50	22 52	0 5	18 58	1 59	3 25	0 46	22 12	0 38	16 19	17 17	22 27	22 21	21 48	2 5	4 27
S 29	15 32	7 15	4 37	16 2	0 16	3 35	1 44	5 36	0 49	22 52	0 6	18 57	1 59	3 26	0 46	22 12	0 38	16 19	17 16	22 28	22 21	21 49	2 6	4 27
M30	15 51	2 9	4 59	16 37	0 23	4 4	1 44	5 51	0 49	22 52	0 6	18 56	1 59	3 26	0 46	22 12	0 38	16 19	17 16	22 29	22 22	21 49	2 6	4 27
T 31	16s 9	3n14	5s 3	17s11	0s29	4s33	1n43	6s 7	0n49	22n52	0n 6	18n55	1s59	3s27	0s46	22n12	0s38	16s19	17s16	22n30	22n22	21s50	2s 7	4n27

Julian Day Number = 2118723.5, Delta T = 18m19s
Ecliptic obliquity = 23°33'24, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°02'14, Lahiri = 11°09'14 Julian Calendar 1 Oct. 1088 == Greg. Calendar 7 Oct. 1088

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1088
geocentric

NOVEMBER 1088 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 5 40	15♏ 7'00	4♉40	17♏36	16♎45	18♎ 4	14°R24	2°R56	23°R 6	13°R49	28°R38	16°R32	17♋43	28♐32	14°R16	W 1
T 2	3 9 36	16° 7'39	19°28	19°11	18° 0	18°44	14♋22	2♊52	23♓ 4	13♋49	28♓38	16♋22	17°40	28°39	14♓15	T 2
F 3	3 13 33	17° 8'21	4♊25	20°45	19°14	19°23	14°21	2°47	23° 3	13°48	28°37	16°14	17°37	28°46	14°14	F 3
S 4	3 17 30	18° 9'03	19°22	22°19	20°29	20° 3	14°19	2°42	23° 2	13°47	28°36	16° 9	17°34	28°52	14°13	S 4
S 5	3 21 26	19° 9'47	4♋11	23°53	21°43	20°43	14°17	2°38	23° 1	13°46	28°36	16° 6	17°30	28°59	14°13	S 5
M 6	3 25 23	20°10'33	18°45	25°26	22°58	21°23	14°15	2°33	23° 0	13°45	28°35	16°D 6	17°27	29° 6	14°12	M 6
T 7	3 29 19	21°11'20	3♌ 2	27° 0	24°13	22° 3	14°13	2°28	22°59	13°45	28°34	16° 7	17°24	29°12	14°11	T 7
W 8	3 33 16	22°12'09	16°59	28°33	25°27	22°43	14°10	2°23	22°58	13°44	28°34	16°R 7	17°21	29°19	14°10	W 8
T 9	3 37 12	23°13'00	0♍37	0♐ 7	26°42	23°23	14° 7	2°18	22°57	13°43	28°33	16° 7	17°18	29°26	14°10	T 9
F 10	3 41 9	24°13'51	13°57	1°40	27°57	24° 3	14° 4	2°14	22°57	13°42	28°32	16° 5	17°15	29°32	14° 9	F 10
S 11	3 45 5	25°14'45	27° 2	3°13	29°11	24°43	14° 1	2° 9	22°56	13°41	28°32	16° 1	17°11	29°39	14° 9	S 11
S 12	3 49 2	26°15'39	9♎52	4°46	0♏26	25°23	13°58	2° 4	22°55	13°40	28°31	15°54	17° 8	29°46	14° 8	S 12
M13	3 52 59	27°16'35	22°30	6°19	1°41	26° 3	13°54	1°59	22°54	13°39	28°31	15°46	17° 5	29°52	14° 8	M13
T 14	3 56 55	28°17'33	4♏56	7°52	2°56	26°43	13°51	1°54	22°54	13°38	28°30	15°37	17° 2	29°59	14° 8	T 14
W15	4 0 52	29°18'31	17°12	9°25	4°11	27°23	13°47	1°49	22°53	13°37	28°30	15°27	16°59	0♑ 6	14° 8	W15
T 16	4 4 48	0♐19'31	29°19	10°58	5°26	28° 3	13°43	1°44	22°53	13°35	28°29	15°19	16°56	0°12	14° 7	T 16
F 17	4 8 45	1°20'31	11♐18	12°31	6°41	28°43	13°39	1°39	22°52	13°34	28°29	15°12	16°52	0°19	14° 7	F 17
S 18	4 12 41	2°21'33	23°11	14° 4	7°56	29°24	13°34	1°34	22°52	13°33	28°28	15° 7	16°49	0°26	14° 7	S 18
S 19	4 16 38	3°22'35	4♑58	15°36	9°11	0♏ 4	13°30	1°29	22°51	13°32	28°28	15° 5	16°46	0°32	14°D 7	S 19
M20	4 20 34	4°23'38	16°44	17° 9	10°26	0°44	13°25	1°24	22°51	13°31	28°28	15°D 4	16°43	0°39	14° 7	M20
T 21	4 24 31	5°24'42	28°31	18°41	11°41	1°24	13°20	1°19	22°51	13°30	28°27	15° 5	16°40	0°46	14° 7	T 21
W22	4 28 28	6°25'47	10♒25	20°13	12°56	2° 5	13°15	1°14	22°51	13°28	28°27	15° 7	16°36	0°52	14° 7	W22
T 23	4 32 24	7°26'51	22°28	21°45	14°11	2°45	13° 9	1° 9	22°50	13°27	28°27	15° 8	16°33	0°59	14° 8	T 23
F 24	4 36 21	8°27'57	4♓47	23°16	15°26	3°25	13° 4	1° 4	22°50	13°26	28°26	15°R 9	16°30	1° 5	14° 8	F 24
S 25	4 40 17	9°29'03	17°26	24°47	16°41	4° 6	12°58	1° 0	22°50	13°24	28°26	15° 9	16°27	1°12	14° 8	S 25
S 26	4 44 14	10°30'09	0♈30	26°17	17°56	4°46	12°53	0°55	22°D50	13°23	28°26	15° 7	16°24	1°19	14° 9	S 26
M27	4 48 10	11°31'15	14° 2	27°47	19°11	5°26	12°47	0°50	22°50	13°22	28°26	15° 4	16°21	1°25	14° 9	M27
T 28	4 52 7	12°32'22	28° 3	29°15	20°26	6° 7	12°41	0°45	22°50	13°20	28°25	14°59	16°17	1°32	14°10	T 28
W29	4 56 3	13°33'29	12♉32	0♑43	21°41	6°47	12°35	0°40	22°51	13°19	28°25	14°55	16°14	1°39	14°10	W29
T 30	5 0 0	14♐34'37	27♉24	2♑10	22♏57	7♏28	12♋28	0♊36	22♓51	13♋17	28♓25	14♋50	16♋11	1♑45	14♓11	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16s27	8n36	4s49	17s44	0s36	5s 2	1n43	6s23	0n48	22n53	0n 6	18n55	1s59	3s27	0s46	22n12	0s38	16s19	17s16	22n32	22n23	21s51	2s 8	4n26
T 2	16 45	13 35	4 15	18 17	0 42	5 30	1 43	6 38	0 48	22 53	0 6	18 54	1 59	3 28	0 46	22 12	0 38	16 19	17 15	22 33	22 23	21 52	2 8	4 26
F 3	17 2	17 47	3 24	18 48	0 48	5 59	1 43	6 54	0 47	22 53	0 6	18 53	1 59	3 28	0 46	22 13	0 38	16 19	17 15	22 34	22 23	21 53	2 9	4 26
S 4	17 19	20 50	2 18	19 19	0 54	6 28	1 42	7 9	0 47	22 53	0 6	18 52	1 59	3 29	0 46	22 13	0 38	16 19	17 15	22 34	22 24	21 54	2 9	4 25
S 5	17 36	22 26	1 4	19 49	1 0	6 56	1 42	7 25	0 47	22 54	0 7	18 51	1 59	3 29	0 46	22 13	0 38	16 19	17 15	22 35	22 24	21 55	2 10	4 25
M 6	17 52	22 28	0n14	20 17	1 6	7 24	1 41	7 40	0 46	22 54	0 7	18 50	1 59	3 29	0 46	22 13	0 38	16 19	17 14	22 35	22 25	21 56	2 10	4 25
T 7	18 9	21 2	1 30	20 45	1 12	7 52	1 41	7 55	0 46	22 55	0 7	18 49	1 59	3 30	0 46	22 13	0 38	16 19	17 14	22 35	22 25	21 57	2 11	4 25
W 8	18 25	18 20	2 38	21 12	1 18	8 20	1 40	8 10	0 45	22 55	0 7	18 48	1 58	3 30	0 46	22 13	0 38	16 19	17 14	22 35	22 25	21 57	2 12	4 24
T 9	18 40	14 40	3 36	21 38	1 23	8 48	1 39	8 26	0 45	22 55	0 7	18 47	1 58	3 30	0 46	22 13	0 38	16 19	17 13	22 35	22 26	21 58	2 12	4 24
F 10	18 55	10 21	4 21	22 2	1 28	9 16	1 38	8 41	0 45	22 56	0 7	18 46	1 58	3 31	0 46	22 13	0 38	16 19	17 13	22 35	22 26	21 59	2 13	4 24
S 11	19 10	5 38	4 51	22 26	1 33	9 43	1 37	8 56	0 44	22 56	0 8	18 46	1 58	3 31	0 46	22 13	0 38	16 19	17 13	22 35	22 27	22 0	2 13	4 23
S 12	19 25	0 45	5 5	22 48	1 38	10 11	1 36	9 11	0 44	22 57	0 8	18 45	1 58	3 31	0 45	22 13	0 38	16 19	17 12	22 36	22 27	22 1	2 13	4 23
M13	19 39	4s 4	5 5	23 9	1 43	10 38	1 35	9 26	0 43	22 57	0 8	18 44	1 58	3 31	0 45	22 13	0 38	16 19	17 12	22 37	22 28	22 2	2 14	4 23
T 14	19 53	8 40	4 50	23 30	1 47	11 4	1 34	9 41	0 43	22 58	0 8	18 43	1 58	3 32	0 45	22 14	0 38	16 19	17 12	22 38	22 28	22 3	2 14	4 23
W15	20 6	12 52	4 22	23 48	1 51	11 31	1 33	9 56	0 43	22 59	0 8	18 42	1 58	3 32	0 45	22 14	0 38	16 19	17 11	22 39	22 28	22 4	2 15	4 22
T 16	20 19	16 29	3 42	24 6	1 55	11 57	1 32	10 11	0 42	22 59	0 8	18 41	1 58	3 32	0 45	22 14	0 38	16 19	17 11	22 40	22 29	22 4	2 15	4 22
F 17	20 32	19 24	2 53	24 22	1 59	12 23	1 30	10 26	0 42	23 0	0 9	18 40	1 58	3 32	0 45	22 14	0 38	16 19	17 11	22 41	22 29	22 5	2 15	4 22
S 18	20 44	21 27	1 56	24 37	2 2	12 49	1 29	10 40	0 41	23 0	0 9	18 39	1 58	3 32	0 45	22 14	0 38	16 19	17 10	22 42	22 30	22 6	2 16	4 21
S 19	20 56	22 33	0 55	24 51	2 5	13 14	1 28	10 55	0 41	23 1	0 9	18 38	1 58	3 32	0 45	22 14	0 38	16 18	17 10	22 42	22 30	22 7	2 16	4 21
M20	21 7	22 39	0s 9	25 3	2 8	13 40	1 26	11 9	0 40	23 2	0 9	18 37	1 58	3 32	0 45	22 14	0 38	16 18	17 10	22 42	22 30	22 8	2 16	4 21
T 21	21 19	21 45	1 13	25 14	2 10	14 4	1 25	11 24	0 40	23 2	0 9	18 36	1 58	3 33	0 45	22 14	0 38	16 18	17 9	22 42	22 31	22 8	2 16	4 20
W22	21 29	19 52	2 14	25 24	2 12	14 29	1 23	11 38	0 39	23 3	0 9	18 36	1 57	3 33	0 45	22 14	0 38	16 18	17 9	22 42	22 31	22 9	2 17	4 20
T 23	21 40	17 5	3 10	25 32	2 14	14 53	1 21	11 53	0 39	23 4	0 9	18 35	1 57	3 33	0 45	22 15	0 38	16 18	17 9	22 42	22 32	22 10	2 17	4 20
F 24	21 49	13 30	3 59	25 38	2 15	15 16	1 20	12 7	0 38	23 4	0 10	18 34	1 57	3 33	0 45	22 15	0 38	16 18	17 8	22 41	22 32	22 11	2 17	4 20
S 25	21 59	9 14	4 37	25 43	2 16	15 40	1 18	12 21	0 38	23 5	0 10	18 33	1 57	3 33	0 45	22 15	0 38	16 17	17 8	22 41	22 32	22 12	2 17	4 19
S 26	22 8	4 25	5 3	25 46	2 16	16 3	1 16	12 35	0 37	23 6	0 10	18 32	1 57	3 33	0 45	22 15	0 38	16 17	17 8	22 42	22 33	22 12	2 17	4 19
M27	22 16	0n46	5 13	25 48	2 16	16 25	1 14	12 49	0 37	23 6	0 10	18 31	1 57	3 33	0 45	22 15	0 38	16 17	17 7	22 42	22 33	22 13	2 17	4 19
T 28	22 25	6 5	5 5	25 48	2 15	16 47	1 12	13 3	0 37	23 7	0 10	18 30	1 57	3 32	0 45	22 15	0 38	16 17	17 7	22 43	22 33	22 14	2 17	4 18
W29	22 32	11 16	4 37	25 47	2 14	17 9	1 10	13 17	0 36	23 8	0 10	18 29	1 57	3 32	0 45	22 15	0 38	16 16	17 7	22 43	22 34	22 15	2 17	4 18
T 30	22s40	15n56	3s51	25s44	2s12	17s30	1n 8	13s30	0n36	23n 9	0n11	18n29	1s57	3s32	0s45	22n16	0s38	16s16	17s 6	22n44	22n34	22s16	2s17	4n18

Julian Day Number = 2118754.5, Delta T = 18m19s
Ecliptic obliquity = 23°33'24, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°02'18, Lahiri = 11°09'18 Julian Calendar 1 Nov. 1088 == Greg. Calendar 7 Nov. 1088

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1088
geocentric

DECEMBER 1088 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 3 57	15♐35'45	12♊32	3♑35	24♏12	8♏ 8	12°R22	0°R31	22♓51	13°R16	28°R25	14°R46	16♋ 8	1♑52	14♓12	F 1
S 2	5 7 53	16°36'53	27°45	4°59	25°27	8°48	12♋15	0♊26	22°51	13♋14	28♓25	14♋44	16° 5	1°59	14°12	S 2
S 3	5 11 50	17°38'02	12♋54	6°21	26°42	9°29	12° 9	0°22	22°52	13°13	28°25	14°D43	16° 2	2° 5	14°13	S 3
M 4	5 15 46	18°39'12	27°51	7°40	27°57	10°10	12° 2	0°17	22°52	13°12	28°25	14°43	15°58	2°12	14°14	M 4
T 5	5 19 43	19°40'22	12♌27	8°56	29°12	10°50	11°55	0°13	22°52	13°10	28°25	14°45	15°55	2°19	14°15	T 5
W 6	5 23 39	20°41'32	26°40	10°10	0♐28	11°31	11°48	0° 8	22°53	13° 8	28°D25	14°46	15°52	2°25	14°16	W 6
T 7	5 27 36	21°42'43	10♍27	11°19	1°43	12°11	11°41	0° 4	22°54	13° 7	28°25	14°47	15°49	2°32	14°17	T 7
F 8	5 31 33	22°43'54	23°51	12°24	2°58	12°52	11°34	29♉59	22°54	13° 5	28°25	14°R48	15°46	2°39	14°18	F 8
S 9	5 35 29	23°45'06	6♎52	13°24	4°13	13°33	11°26	29°55	22°55	13° 4	28°25	14°47	15°42	2°45	14°19	S 9
S 10	5 39 26	24°46'19	19°34	14°18	5°29	14°13	11°19	29°51	22°56	13° 2	28°25	14°46	15°39	2°52	14°20	S 10
M11	5 43 22	25°47'31	2♏ 0	15° 5	6°44	14°54	11°11	29°46	22°56	13° 1	28°25	14°43	15°36	2°59	14°21	M11
T 12	5 47 19	26°48'44	14°14	15°45	7°59	15°35	11° 4	29°42	22°57	12°59	28°25	14°40	15°33	3° 5	14°23	T 12
W13	5 51 15	27°49'57	26°17	16°16	9°14	16°16	10°56	29°38	22°58	12°57	28°25	14°37	15°30	3°12	14°24	W13
T 14	5 55 12	28°51'11	8♐14	16°38	10°30	16°56	10°48	29°34	22°59	12°56	28°25	14°35	15°27	3°18	14°26	T 14
F 15	5 59 8	29°52'24	20° 5	16°50	11°45	17°37	10°40	29°30	23° 0	12°54	28°25	14°33	15°23	3°25	14°27	F 15
S 16	6 3 5	0♑53'38	1♑53	16°R50	13° 0	18°18	10°33	29°26	23° 1	12°52	28°26	14°31	15°20	3°32	14°28	S 16
S 17	6 7 2	1°54'51	13°40	16°40	14°15	18°59	10°25	29°23	23° 2	12°51	28°26	14°D31	15°17	3°38	14°30	S 17
M18	6 10 58	2°56'04	25°29	16°17	15°31	19°40	10°17	29°19	23° 3	12°49	28°26	14°31	15°14	3°45	14°32	M18
T 19	6 14 55	3°57'17	7♒20	15°42	16°46	20°21	10° 9	29°15	23° 4	12°47	28°26	14°32	15°11	3°52	14°33	T 19
W20	6 18 51	4°58'29	19°19	14°56	18° 1	21° 2	10° 1	29°12	23° 6	12°46	28°27	14°33	15° 8	3°58	14°35	W20
T 21	6 22 48	5°59'41	1♓26	14° 0	19°17	21°43	9°53	29° 8	23° 7	12°44	28°27	14°34	15° 4	4° 5	14°37	T 21
F 22	6 26 44	7° 0'52	13°47	12°55	20°32	22°24	9°45	29° 5	23° 8	12°42	28°27	14°35	15° 1	4°12	14°39	F 22
S 23	6 30 41	8° 2'02	26°25	11°43	21°47	23° 5	9°36	29° 2	23° 9	12°41	28°28	14°35	14°58	4°18	14°41	S 23
S 24	6 34 37	9° 3'12	9♈23	10°26	23° 2	23°46	9°28	28°59	23°11	12°39	28°28	14°R35	14°55	4°25	14°42	S 24
M25	6 38 34	10° 4'21	22°45	9° 7	24°18	24°27	9°20	28°55	23°12	12°37	28°29	14°35	14°52	4°32	14°44	M25
T 26	6 42 31	11° 5'29	6♉32	7°48	25°33	25° 8	9°12	28°52	23°14	12°36	28°29	14°35	14°48	4°38	14°46	T 26
W27	6 46 27	12° 6'37	20°47	6°32	26°48	25°49	9° 4	28°49	23°15	12°34	28°29	14°35	14°45	4°45	14°48	W27
T 28	6 50 24	13° 7'43	5♊25	5°21	28° 3	26°30	8°56	28°47	23°17	12°32	28°30	14°35	14°42	4°52	14°51	T 28
F 29	6 54 20	14° 8'49	20°24	4°16	29°19	27°11	8°48	28°44	23°19	12°31	28°30	14°D34	14°39	4°58	14°53	F 29
S 30	6 58 17	15° 9'55	5♋34	3°19	0♑34	27°52	8°40	28°41	23°20	12°29	28°31	14°34	14°36	5° 5	14°55	S 30
S 31	7 2 13	16♑10'59	20♋48	2♑30	1♑49	28♏33	8♋32	28♉39	23♓22	12♋27	28♓32	14°R34	14♋33	5♑12	14♓57	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s46	19n38	2s48	25s39	2s 9	17s51	1n 6	13s44	0n35	23n 9	0n11	18n28	1s56	3s32	0s45	22n16	0s38	16s16	17s 6	22n44	22n35	22s16	2s17	4n17
S 2	22 53	22 0	1 32	25 33	2 5	18 11	1 4	13 58	0 35	23 10	0 11	18 27	1 56	3 32	0 45	22 16	0 38	16 16	17 6	22 44	22 35	22 17	2 17	4 17
S 3	22 59	22 46	0 10	25 25	2 1	18 30	1 2	14 11	0 34	23 11	0 11	18 26	1 56	3 32	0 45	22 16	0 38	16 15	17 5	22 44	22 35	22 18	2 17	4 17
M 4	23 4	21 52	1n12	25 16	1 56	18 50	1 0	14 24	0 33	23 12	0 11	18 25	1 56	3 32	0 45	22 16	0 38	16 15	17 5	22 44	22 36	22 19	2 17	4 17
T 5	23 9	19 30	2 27	25 5	1 50	19 8	0 58	14 38	0 33	23 12	0 11	18 24	1 56	3 31	0 45	22 16	0 38	16 15	17 4	22 44	22 36	22 19	2 17	4 16
W 6	23 14	15 59	3 31	24 53	1 43	19 27	0 55	14 51	0 32	23 13	0 12	18 24	1 56	3 31	0 44	22 16	0 38	16 14	17 4	22 44	22 36	22 20	2 17	4 16
T 7	23 18	11 42	4 21	24 40	1 36	19 44	0 53	15 4	0 32	23 14	0 12	18 23	1 55	3 31	0 44	22 17	0 38	16 14	17 4	22 44	22 37	22 21	2 17	4 16
F 8	23 21	6 58	4 55	24 25	1 27	20 1	0 51	15 17	0 31	23 15	0 12	18 22	1 55	3 31	0 44	22 17	0 38	16 14	17 3	22 44	22 37	22 22	2 17	4 15
S 9	23 24	2 3	5 13	24 9	1 17	20 18	0 49	15 30	0 31	23 16	0 12	18 21	1 55	3 30	0 44	22 17	0 38	16 13	17 3	22 44	22 38	22 22	2 17	4 15
S 10	23 27	2s50	5 15	23 53	1 6	20 34	0 46	15 42	0 30	23 16	0 12	18 21	1 55	3 30	0 44	22 17	0 38	16 13	17 3	22 44	22 38	22 23	2 17	4 15
M11	23 29	7 31	5 2	23 35	0 54	20 49	0 44	15 55	0 30	23 17	0 12	18 20	1 55	3 30	0 44	22 17	0 38	16 13	17 2	22 44	22 38	22 24	2 16	4 15
T 12	23 31	11 49	4 35	23 17	0 40	21 4	0 42	16 7	0 29	23 18	0 12	18 19	1 55	3 29	0 44	22 17	0 38	16 12	17 2	22 45	22 39	22 24	2 16	4 14
W13	23 32	15 35	3 56	22 59	0 26	21 18	0 39	16 20	0 29	23 19	0 13	18 19	1 54	3 29	0 44	22 18	0 38	16 12	17 2	22 45	22 39	22 25	2 16	4 14
T 14	23 33	18 42	3 8	22 41	0 10	21 31	0 37	16 32	0 28	23 20	0 13	18 18	1 54	3 28	0 44	22 18	0 38	16 11	17 1	22 45	22 39	22 26	2 16	4 14
F 15	23 33	21 0	2 11	22 23	0n 7	21 44	0 34	16 44	0 27	23 20	0 13	18 17	1 54	3 28	0 44	22 18	0 38	16 11	17 1	22 46	22 40	22 27	2 15	4 13
S 16	23 33	22 23	1 10	22 5	0 25	21 57	0 32	16 56	0 27	23 21	0 13	18 17	1 54	3 28	0 44	22 18	0 38	16 11	17 0	22 46	22 40	22 27	2 15	4 13
S 17	23 33	22 46	0 5	21 48	0 43	22 8	0 29	17 8	0 26	23 22	0 13	18 16	1 54	3 27	0 44	22 18	0 38	16 10	17 0	22 46	22 41	22 28	2 15	4 13
M18	23 31	22 8	1s 1	21 32	1 2	22 19	0 27	17 20	0 26	23 23	0 13	18 15	1 53	3 27	0 44	22 18	0 38	16 10	17 0	22 46	22 41	22 29	2 14	4 13
T 19	23 30	20 31	2 3	21 16	1 22	22 29	0 24	17 31	0 25	23 23	0 13	18 15	1 53	3 26	0 44	22 19	0 38	16 9	16 59	22 46	22 41	22 29	2 14	4 12
W20	23 28	17 58	3 2	21 2	1 41	22 39	0 22	17 43	0 24	23 24	0 14	18 14	1 53	3 26	0 44	22 19	0 38	16 9	16 59	22 45	22 42	22 30	2 13	4 12
T 21	23 25	14 38	3 52	20 50	2 0	22 48	0 19	17 54	0 24	23 25	0 14	18 14	1 53	3 25	0 44	22 19	0 38	16 8	16 59	22 45	22 42	22 31	2 13	4 12
F 22	23 22	10 36	4 33	20 38	2 18	22 56	0 17	18 5	0 23	23 26	0 14	18 13	1 52	3 25	0 44	22 19	0 38	16 8	16 58	22 45	22 42	22 31	2 13	4 11
S 23	23 19	6 3	5 2	20 29	2 34	23 4	0 14	18 16	0 23	23 26	0 14	18 13	1 52	3 24	0 44	22 19	0 38	16 7	16 58	22 45	22 43	22 32	2 12	4 11
S 24	23 15	1 7	5 17	20 20	2 49	23 11	0 12	18 27	0 22	23 27	0 14	18 12	1 52	3 23	0 44	22 19	0 38	16 7	16 58	22 45	22 43	22 33	2 12	4 11
M25	23 10	4n 1	5 15	20 14	3 1	23 17	0 9	18 38	0 21	23 28	0 14	18 12	1 52	3 23	0 44	22 20	0 38	16 6	16 57	22 45	22 43	22 33	2 11	4 11
T 26	23 5	9 7	4 55	20 8	3 11	23 22	0 7	18 48	0 21	23 29	0 15	18 11	1 52	3 22	0 44	22 20	0 38	16 6	16 57	22 45	22 44	22 34	2 11	4 10
W27	23 0	13 54	4 17	20 5	3 19	23 27	0 4	18 59	0 20	23 29	0 15	18 11	1 51	3 21	0 44	22 20	0 38	16 5	16 56	22 45	22 44	22 35	2 10	4 10
T 28	22 54	18 1	3 21	20 3	3 24	23 31	0 2	19 9	0 19	23 30	0 15	18 11	1 51	3 21	0 44	22 20	0 38	16 5	16 56	22 45	22 44	22 35	2 9	4 10
F 29	22 48	21 2	2 11	20 2	3 27	23 34	0s 1	19 19	0 19	23 31	0 15	18 10	1 51	3 20	0 44	22 20	0 38	16 4	16 56	22 45	22 45	22 36	2 9	4 10
S 30	22 41	22 36	0 50	20 3	3 27	23 37	0 3	19 29	0 18	23 31	0 15	18 10	1 51	3 19	0 44	22 20	0 38	16 4	16 55	22 45	22 45	22 36	2 8	4 9
S 31	22s34	22n30	0n35	20s 6	3n26	23s38	0s 6	19s39	0n17	23n32	0n15	18n10	1s50	3s19	0s44	22n21	0s38	16s 3	16s55	22n45	22n46	22s37	2s 8	4n 9

Julian Day Number = 2118784.5, Delta T = 18m19s
Ecliptic obliquity = 23°33'24, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°02'22, Lahiri = 11°09'22 Julian Calendar 1 Dec. 1088 == Greg. Calendar 7 Dec. 1088

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1089
geocentric

JANUARY 1089 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 6 10	17♑12'03	5♌55	1°R51	3♑ 4	29♏15	8°R24	28°R36	23♓24	12°R26	28♓32	14°R34	14♋29	5♑18	14♓59	M 1
T 2	7 10 7	18°13'06	20°46	1♑21	4°20	29°56	8♋16	28♉34	23°26	12♋24	28°33	14♋34	14°26	5°25	15° 2	T 2
W 3	7 14 3	19°14'09	5♍15	1° 0	5°35	0♐37	8° 8	28°32	23°28	12°22	28°33	14°34	14°23	5°31	15° 4	W 3
T 4	7 18 0	20°15'10	19°17	0°48	6°50	1°18	8° 1	28°30	23°29	12°20	28°34	14°33	14°20	5°38	15° 7	T 4
F 5	7 21 56	21°16'12	2♎52	0°D45	8° 5	2° 0	7°53	28°28	23°31	12°19	28°35	14°32	14°17	5°45	15° 9	F 5
S 6	7 25 53	22°17'12	16° 0	0°49	9°20	2°41	7°45	28°26	23°33	12°17	28°35	14°32	14°14	5°51	15°12	S 6
S 7	7 29 49	23°18'12	28°43	1° 1	10°36	3°22	7°38	28°24	23°35	12°15	28°36	14°D32	14°10	5°58	15°14	S 7
M 8	7 33 46	24°19'11	11♏ 7	1°20	11°51	4° 4	7°30	28°22	23°38	12°14	28°37	14°32	14° 7	6° 5	15°17	M 8
T 9	7 37 42	25°20'10	23°16	1°45	13° 6	4°45	7°23	28°21	23°40	12°12	28°37	14°33	14° 4	6°11	15°19	T 9
W10	7 41 39	26°21'08	5♐13	2°16	14°21	5°26	7°16	28°19	23°42	12°11	28°38	14°35	14° 1	6°18	15°22	W10
T 11	7 45 35	27°22'05	17° 3	2°52	15°37	6° 8	7° 8	28°18	23°44	12° 9	28°39	14°36	13°58	6°25	15°25	T 11
F 12	7 49 32	28°23'01	28°50	3°33	16°52	6°49	7° 1	28°17	23°46	12° 7	28°40	14°37	13°54	6°31	15°27	F 12
S 13	7 53 29	29°23'56	10♑37	4°18	18° 7	7°31	6°54	28°15	23°49	12° 6	28°41	14°R37	13°51	6°38	15°30	S 13
S 14	7 57 25	0♒24'50	22°26	5° 7	19°22	8°12	6°47	28°14	23°51	12° 4	28°41	14°37	13°48	6°45	15°33	S 14
M15	8 1 22	1°25'43	4♒20	5°59	20°37	8°54	6°41	28°13	23°53	12° 2	28°42	14°36	13°45	6°51	15°36	M15
T 16	8 5 18	2°26'35	16°21	6°55	21°53	9°35	6°34	28°13	23°56	12° 1	28°43	14°34	13°42	6°58	15°39	T 16
W17	8 9 15	3°27'25	28°31	7°54	23° 8	10°17	6°28	28°12	23°58	11°59	28°44	14°32	13°39	7° 5	15°42	W17
T 18	8 13 11	4°28'14	10♓51	8°56	24°23	10°58	6°21	28°11	24° 1	11°58	28°45	14°28	13°35	7°11	15°45	T 18
F 19	8 17 8	5°29'01	23°22	10° 0	25°38	11°40	6°15	28°11	24° 3	11°56	28°46	14°25	13°32	7°18	15°48	F 19
S 20	8 21 5	6°29'47	6♈ 7	11° 7	26°53	12°21	6° 9	28°10	24° 6	11°55	28°47	14°22	13°29	7°24	15°51	S 20
S 21	8 25 1	7°30'31	19° 8	12°15	28° 8	13° 3	6° 3	28°10	24° 8	11°53	28°48	14°20	13°26	7°31	15°54	S 21
M22	8 28 58	8°31'13	2♉27	13°26	29°23	13°45	5°57	28°10	24°11	11°52	28°49	14°D19	13°23	7°38	15°57	M22
T 23	8 32 54	9°31'54	16° 5	14°38	0♒39	14°26	5°51	28°D10	24°13	11°50	28°50	14°19	13°20	7°44	16° 0	T 23
W24	8 36 51	10°32'33	0♊ 4	15°52	1°54	15° 8	5°46	28°10	24°16	11°49	28°51	14°20	13°16	7°51	16° 3	W24
T 25	8 40 47	11°33'10	14°22	17° 8	3° 9	15°50	5°41	28°10	24°19	11°47	28°52	14°21	13°13	7°58	16° 6	T 25
F 26	8 44 44	12°33'46	28°59	18°25	4°24	16°31	5°35	28°11	24°22	11°46	28°53	14°23	13°10	8° 4	16° 9	F 26
S 27	8 48 40	13°34'20	13♋50	19°44	5°39	17°13	5°30	28°11	24°24	11°45	28°54	14°R23	13° 7	8°11	16°13	S 27
S 28	8 52 37	14°34'52	28°48	21° 4	6°54	17°55	5°26	28°12	24°27	11°43	28°55	14°23	13° 4	8°18	16°16	S 28
M29	8 56 34	15°35'22	13♌47	22°26	8° 9	18°37	5°21	28°12	24°30	11°42	28°56	14°20	13° 0	8°24	16°19	M29
T 30	9 0 30	16°35'51	28°36	23°48	9°24	19°18	5°16	28°13	24°33	11°41	28°57	14°16	12°57	8°31	16°23	T 30
W31	9 4 27	17♒36'18	13♍ 9	25♑12	10♒39	20♐ 0	5♋12	28♉14	24♓36	11♋39	28♓58	14♋11	12♋54	8♑38	16♓26	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	22s27	20n46	1n56	20s10	3n22	23s40	0s 8	19s49	0n17	23n33	0n15	18n 9	1s50	3s18	0s43	22n21	0s38	16s 3	16s55	22n45	22n46	22s38	2s 7	4n 9	
T 2	22 19	17 37	3 8	20 16	3 17	23 40	0 11	19 58	0 16	23 33	0 15	18 9	1 50	3 17	0 43	22 21	0 38	16 2	16 54	22 45	22 46	22 38	2 6	4 9	
W 3	22 10	13 27	4 6	20 22	3 11	23 39	0 13	20 8	0 15	23 34	0 16	18 9	1 50	3 16	0 43	22 21	0 38	16 2	16 54	22 45	22 47	22 39	2 6	4 8	
T 4	22 1	8 40	4 48	20 30	3 4	23 38	0 16	20 17	0 15	23 34	0 16	18 9	1 49	3 16	0 43	22 21	0 38	16 1	16 54	22 45	22 47	22 39	2 5	4 8	
F 5	21 52	3 37	5 11	20 38	2 55	23 37	0 18	20 26	0 14	23 35	0 16	18 8	1 49	3 15	0 43	22 21	0 38	16 1	16 53	22 46	22 47	22 40	2 4	4 8	
S 6	21 42	1s26	5 18	20 47	2 46	23 34	0 20	20 35	0 13	23 36	0 16	18 8	1 49	3 14	0 43	22 22	0 38	16 0	16 53	22 46	22 48	22 41	2 3	4 8	
S 7	21 32	6 16	5 8	20 56	2 37	23 31	0 23	20 44	0 13	23 36	0 16	18 8	1 49	3 13	0 43	22 22	0 38	15 59	16 53	22 46	22 48	22 41	2 3	4 7	
M 8	21 21	10 44	4 44	21 6	2 27	23 27	0 25	20 52	0 12	23 37	0 16	18 8	1 48	3 12	0 43	22 22	0 38	15 59	16 52	22 46	22 48	22 42	2 2	4 7	
T 9	21 10	14 40	4 8	21 16	2 16	23 22	0 27	21 1	0 11	23 37	0 16	18 8	1 48	3 11	0 43	22 22	0 38	15 58	16 52	22 45	22 49	22 42	2 1	4 7	
W10	20 59	17 58	3 22	21 26	2 6	23 16	0 30	21 9	0 10	23 38	0 16	18 8	1 48	3 10	0 43	22 22	0 38	15 58	16 52	22 45	22 49	22 43	2 0	4 7	
T 11	20 47	20 29	2 27	21 36	1 55	23 10	0 32	21 17	0 10	23 38	0 17	18 8	1 48	3 10	0 43	22 22	0 38	15 57	16 51	22 45	22 49	22 43	1 59	4 7	
F 12	20 35	22 7	1 27	21 46	1 45	23 3	0 34	21 25	0 9	23 39	0 17	18 8	1 47	3 9	0 43	22 23	0 38	15 56	16 51	22 45	22 50	22 44	1 59	4 6	
S 13	20 23	22 46	0 22	21 55	1 34	22 56	0 36	21 32	0 8	23 39	0 17	18 8	1 47	3 8	0 43	22 23	0 38	15 56	16 51	22 45	22 50	22 45	1 58	4 6	
S 14	20 10	22 23	0s43	22 4	1 24	22 47	0 39	21 40	0 7	23 40	0 17	18 8	1 47	3 7	0 43	22 23	0 38	15 55	16 50	22 45	22 50	22 45	1 57	4 6	
M15	19 56	21 0	1 47	22 12	1 13	22 38	0 41	21 47	0 7	23 40	0 17	18 8	1 47	3 6	0 43	22 23	0 38	15 55	16 50	22 45	22 51	22 46	1 56	4 6	
T 16	19 43	18 40	2 47	22 20	1 3	22 28	0 43	21 54	0 6	23 41	0 17	18 8	1 46	3 5	0 43	22 23	0 38	15 54	16 50	22 45	22 51	22 46	1 55	4 5	
W17	19 29	15 28	3 39	22 27	0 53	22 18	0 45	22 1	0 5	23 41	0 17	18 8	1 46	3 4	0 43	22 23	0 38	15 53	16 50	22 46	22 51	22 47	1 54	4 5	
T 18	19 14	11 35	4 23	22 33	0 43	22 7	0 47	22 8	0 4	23 42	0 17	18 8	1 46	3 3	0 43	22 24	0 38	15 53	16 49	22 46	22 52	22 47	1 53	4 5	
F 19	19 0	7 9	4 54	22 38	0 33	21 55	0 49	22 14	0 3	23 42	0 17	18 8	1 46	3 2	0 43	22 24	0 38	15 52	16 49	22 46	22 52	22 48	1 52	4 5	
S 20	18 44	2 20	5 12	22 42	0 23	21 43	0 51	22 21	0 3	23 42	0 18	18 8	1 45	3 1	0 43	22 24	0 37	15 51	16 49	22 47	22 52	22 48	1 51	4 5	
S 21	18 29	2n41	5 14	22 46	0 14	21 30	0 53	22 27	0 2	23 43	0 18	18 9	1 45	3 0	0 43	22 24	0 37	15 51	16 48	22 47	22 53	22 49	1 50	4 4	
M22	18 13	7 42	5 0	22 48	0 4	21 16	0 55	22 33	0 1	23 43	0 18	18 9	1 45	2 59	0 43	22 24	0 37	15 50	16 48	22 47	22 53	22 49	1 49	4 4	
T 23	17 57	12 27	4 28	22 49	0s 4	21 2	0 56	22 39	0 0	23 43	0 18	18 9	1 44	2 58	0 43	22 24	0 37	15 50	16 48	22 47	22 53	22 50	1 48	4 4	
W24	17 41	16 40	3 40	22 50	0 13	20 47	0 58	22 44	0s 1	23 44	0 18	18 9	1 44	2 56	0 43	22 24	0 37	15 49	16 48	22 47	22 53	22 50	1 47	4 4	
T 25	17 24	20 2	2 38	22 49	0 22	20 31	1 0	22 49	0 2	23 44	0 18	18 10	1 44	2 55	0 43	22 25	0 37	15 48	16 47	22 47	22 54	22 51	1 46	4 4	
F 26	17 7	22 9	1 24	22 46	0 30	20 15	1 2	22 55	0 2	23 44	0 18	18 10	1 44	2 54	0 43	22 25	0 37	15 48	16 47	22 47	22 54	22 51	1 45	4 4	
S 27	16 50	22 47	0 3	22 43	0 38	19 58	1 3	23 0	0 3	23 45	0 18	18 10	1 43	2 53	0 43	22 25	0 37	15 47	16 47	22 47	22 54	22 52	1 44	4 3	
S 28	16 32	21 47	1n18	22 39	0 45	19 41	1 5	23 4	0 4	23 45	0 18	18 11	1 43	2 52	0 43	22 25	0 37	15 46	16 47	22 47	22 55	22 52	1 43	4 3	
M29	16 14	19 14	2 34	22 33	0 53	19 23	1 6	23 9	0 5	23 45	0 18	18 11	1 43	2 51	0 43	22 25	0 37	15 46	16 46	22 47	22 55	22 53	1 42	4 3	
T 30	15 56	15 26	3 39	22 26	1 0	19 5	1 8	23 13	0 6	23 46	0 19	18 12	1 43	2 50	0 43	22 25	0 37	15 45	16 46	22 47	22 55	22 53	1 40	4 3	
W31	15s38	10n46	4n28	22s17	1s 6	18s46	1s 9	23s17	0s 7	23n46	0n19	18n12	1s42	2s48	0s43	22n25	0s37	15s44	16s46	22n48	22n56	22s53	1s39	4n 3	

Julian Day Number = 2118815.5, Delta T = 18m18s
Ecliptic obliquity = 23°33'24, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°02'26, Lahiri = 11°09'27 Julian Calendar 1 Jan. 1089 == Greg. Calendar 7 Jan. 1089

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1089
geocentric

FEBRUARY 1089 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 8 23	18♒36'43	27♍19	26♑38	11♒54	20♐42	5°R 8	28♉15	24♓39	11°R38	29♓ 0	14°R 6	12♋51	8♑44	16♓29	T 1
F 2	9 12 20	19°37'07	11♎ 2	28° 4	13° 9	21°24	5♋ 4	28°16	24°42	11♋37	29° 1	14♋ 1	12°48	8°51	16°33	F 2
S 3	9 16 16	20°37'29	24°18	29°31	14°24	22° 6	5° 0	28°17	24°44	11°35	29° 2	13°57	12°45	8°57	16°36	S 3
S 4	9 20 13	21°37'50	7♏ 8	1♒ 0	15°39	22°48	4°56	28°19	24°47	11°34	29° 3	13°54	12°41	9° 4	16°39	S 4
M 5	9 24 9	22°38'10	19°36	2°29	16°54	23°30	4°53	28°20	24°50	11°33	29° 4	13°D52	12°38	9°11	16°43	M 5
T 6	9 28 6	23°38'28	1♐45	4° 0	18° 9	24°12	4°50	28°22	24°54	11°32	29° 6	13°53	12°35	9°17	16°46	T 6
W 7	9 32 2	24°38'45	13°42	5°32	19°24	24°54	4°47	28°23	24°57	11°31	29° 7	13°54	12°32	9°24	16°50	W 7
T 8	9 35 59	25°39'00	25°31	7° 5	20°39	25°35	4°44	28°25	25° 0	11°29	29° 8	13°56	12°29	9°31	16°53	T 8
F 9	9 39 56	26°39'13	7♑17	8°39	21°54	26°17	4°41	28°27	25° 3	11°28	29° 9	13°57	12°25	9°37	16°57	F 9
S 10	9 43 52	27°39'25	19° 5	10°14	23° 9	26°59	4°39	28°29	25° 6	11°27	29°11	13°R57	12°22	9°44	17° 0	S 10
S 11	9 47 49	28°39'35	0♒58	11°50	24°24	27°41	4°36	28°31	25° 9	11°26	29°12	13°55	12°19	9°51	17° 4	S 11
M12	9 51 45	29°39'44	13° 0	13°27	25°39	28°24	4°34	28°33	25°12	11°25	29°13	13°52	12°16	9°57	17° 7	M12
T 13	9 55 42	0♓39'50	25°13	15° 5	26°54	29° 6	4°32	28°36	25°15	11°24	29°14	13°46	12°13	10° 4	17°11	T 13
W14	9 59 38	1°39'55	7♓38	16°44	28° 8	29°48	4°30	28°38	25°19	11°23	29°16	13°38	12°10	10°11	17°15	W14
T 15	10 3 35	2°39'57	20°15	18°24	29°23	0♑30	4°29	28°41	25°22	11°22	29°17	13°29	12° 6	10°17	17°18	T 15
F 16	10 7 31	3°39'58	3♈ 6	20° 6	0♓38	1°12	4°28	28°43	25°25	11°21	29°18	13°19	12° 3	10°24	17°22	F 16
S 17	10 11 28	4°39'56	16° 9	21°48	1°53	1°54	4°26	28°46	25°28	11°21	29°20	13°11	12° 0	10°30	17°25	S 17
S 18	10 15 25	5°39'53	29°25	23°32	3° 8	2°36	4°26	28°49	25°32	11°20	29°21	13° 4	11°57	10°37	17°29	S 18
M19	10 19 21	6°39'47	12♉52	25°17	4°23	3°18	4°25	28°52	25°35	11°19	29°22	12°59	11°54	10°44	17°33	M19
T 20	10 23 18	7°39'39	26°32	27° 3	5°37	4° 0	4°24	28°55	25°38	11°18	29°24	12°56	11°51	10°50	17°36	T 20
W21	10 27 14	8°39'29	10♊24	28°50	6°52	4°42	4°24	28°58	25°41	11°17	29°25	12°D56	11°47	10°57	17°40	W21
T 22	10 31 11	9°39'16	24°29	0♓38	8° 7	5°24	4°D24	29° 1	25°45	11°17	29°26	12°56	11°44	11° 4	17°44	T 22
F 23	10 35 7	10°39'01	8♋45	2°27	9°22	6° 7	4°24	29° 5	25°48	11°16	29°28	12°R57	11°41	11°10	17°47	F 23
S 24	10 39 4	11°38'44	23°12	4°18	10°36	6°49	4°24	29° 8	25°51	11°15	29°29	12°57	11°38	11°17	17°51	S 24
S 25	10 43 0	12°38'24	7♌45	6°10	11°51	7°31	4°24	29°12	25°55	11°15	29°31	12°54	11°35	11°24	17°55	S 25
M26	10 46 57	13°38'02	22°20	8° 3	13° 6	8°13	4°25	29°15	25°58	11°14	29°32	12°49	11°31	11°30	17°58	M26
T 27	10 50 54	14°37'38	6♍51	9°57	14°20	8°55	4°26	29°19	26° 2	11°13	29°33	12°42	11°28	11°37	18° 2	T 27
W28	10 54 50	15♓37'12	21♍11	11♓52	15♓35	9♑37	4♋27	29♉23	26♓ 5	11♋13	29♓35	12♋32	11♋25	11♑44	18♓ 6	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	15s19	5n38	4n59	22s 7	1s13	18s26	1s11	23s21	0s 8	23n46	0n19	18n13	1s42	2s47	0s43	22n26	0s37	15s44	16s46	22n48	22n56	22s54	1s38	4n 3	
F 2	15 0	0 23	5 12	21 56	1 19	18 6	1 12	23 25	0 8	23 46	0 19	18 13	1 42	2 46	0 43	22 26	0 37	15 43	16 45	22 49	22 56	22 54	1 37	4 2	
S 3	14 41	4s43	5 7	21 44	1 25	17 45	1 13	23 29	0 9	23 47	0 19	18 14	1 41	2 45	0 42	22 26	0 37	15 42	16 45	22 49	22 57	22 55	1 36	4 2	
S 4	14 22	9 27	4 47	21 30	1 30	17 24	1 14	23 32	0 10	23 47	0 19	18 14	1 41	2 44	0 42	22 26	0 37	15 42	16 45	22 50	22 57	22 55	1 35	4 2	
M 5	14 2	13 39	4 14	21 15	1 35	17 3	1 16	23 35	0 11	23 47	0 19	18 15	1 41	2 42	0 42	22 26	0 37	15 41	16 45	22 50	22 57	22 56	1 33	4 2	
T 6	13 42	17 11	3 30	20 58	1 40	16 41	1 17	23 38	0 12	23 47	0 19	18 15	1 41	2 41	0 42	22 26	0 37	15 40	16 45	22 50	22 57	22 56	1 32	4 2	
W 7	13 22	19 57	2 37	20 40	1 45	16 18	1 18	23 41	0 13	23 47	0 19	18 16	1 40	2 40	0 42	22 26	0 37	15 40	16 44	22 50	22 58	22 56	1 31	4 2	
T 8	13 2	21 50	1 39	20 21	1 49	15 55	1 19	23 43	0 14	23 48	0 19	18 17	1 40	2 39	0 42	22 27	0 37	15 39	16 44	22 49	22 58	22 57	1 30	4 2	
F 9	12 41	22 45	0 36	20 0	1 53	15 32	1 20	23 45	0 15	23 48	0 19	18 17	1 40	2 38	0 42	22 27	0 37	15 38	16 44	22 49	22 58	22 57	1 28	4 1	
S 10	12 21	22 39	0s28	19 38	1 56	15 8	1 20	23 47	0 16	23 48	0 19	18 18	1 40	2 36	0 42	22 27	0 37	15 38	16 44	22 49	22 59	22 58	1 27	4 1	
S 11	12 0	21 31	1 31	19 14	1 59	14 44	1 21	23 49	0 17	23 48	0 20	18 19	1 39	2 35	0 42	22 27	0 37	15 37	16 44	22 49	22 59	22 58	1 26	4 1	
M12	11 39	19 24	2 31	18 49	2 2	14 19	1 22	23 51	0 18	23 48	0 20	18 19	1 39	2 34	0 42	22 27	0 37	15 36	16 43	22 50	22 59	22 58	1 25	4 1	
T 13	11 18	16 23	3 24	18 22	2 4	13 54	1 23	23 52	0 19	23 48	0 20	18 20	1 39	2 32	0 42	22 27	0 37	15 36	16 43	22 51	23 0	22 59	1 23	4 1	
W14	10 56	12 36	4 9	17 54	2 6	13 29	1 23	23 53	0 20	23 49	0 20	18 21	1 39	2 31	0 42	22 27	0 37	15 35	16 43	22 51	23 0	22 59	1 22	4 1	
T 15	10 34	8 12	4 42	17 24	2 7	13 3	1 24	23 54	0 21	23 49	0 20	18 22	1 38	2 30	0 42	22 27	0 37	15 34	16 43	22 52	23 0	23 0	1 21	4 1	
F 16	10 13	3 22	5 2	16 53	2 9	12 37	1 24	23 55	0 22	23 49	0 20	18 23	1 38	2 29	0 42	22 27	0 37	15 34	16 43	22 53	23 0	23 0	1 19	4 1	
S 17	9 51	1n40	5 6	16 21	2 9	12 10	1 25	23 55	0 23	23 49	0 20	18 24	1 38	2 27	0 42	22 28	0 37	15 33	16 43	22 54	23 1	23 0	1 18	4 0	
S 18	9 29	6 44	4 54	15 47	2 9	11 44	1 25	23 56	0 24	23 49	0 20	18 24	1 38	2 26	0 42	22 28	0 37	15 32	16 42	22 55	23 1	23 1	1 17	4 0	
M19	9 7	11 33	4 26	15 11	2 9	11 17	1 25	23 56	0 25	23 49	0 20	18 25	1 37	2 25	0 42	22 28	0 37	15 32	16 42	22 55	23 1	23 1	1 15	4 0	
T 20	8 44	15 52	3 43	14 34	2 8	10 49	1 26	23 56	0 26	23 49	0 20	18 26	1 37	2 23	0 42	22 28	0 37	15 31	16 42	22 55	23 2	23 1	1 14	4 0	
W21	8 22	19 23	2 45	13 55	2 7	10 21	1 26	23 55	0 27	23 49	0 20	18 27	1 37	2 22	0 42	22 28	0 37	15 30	16 42	22 56	23 2	23 2	1 13	4 0	
T 22	7 59	21 49	1 37	13 15	2 5	9 54	1 26	23 55	0 28	23 49	0 20	18 28	1 37	2 21	0 42	22 28	0 37	15 30	16 42	22 55	23 2	23 2	1 11	4 0	
F 23	7 37	22 54	0 22	12 34	2 3	9 25	1 26	23 54	0 29	23 49	0 20	18 29	1 36	2 19	0 42	22 28	0 37	15 29	16 42	22 55	23 2	23 2	1 10	4 0	
S 24	7 14	22 27	0n55	11 51	2 1	8 57	1 26	23 53	0 30	23 49	0 20	18 30	1 36	2 18	0 42	22 28	0 37	15 28	16 42	22 55	23 3	23 3	1 9	4 0	
S 25	6 51	20 30	2 9	11 7	1 57	8 28	1 26	23 52	0 31	23 49	0 20	18 31	1 36	2 17	0 42	22 28	0 37	15 28	16 42	22 56	23 3	23 3	1 7	4 0	
M26	6 28	17 12	3 14	10 21	1 54	7 59	1 26	23 50	0 32	23 50	0 21	18 32	1 36	2 15	0 42	22 28	0 37	15 27	16 41	22 56	23 3	23 3	1 6	4 0	
T 27	6 5	12 51	4 7	9 34	1 50	7 30	1 25	23 49	0 33	23 50	0 21	18 33	1 35	2 14	0 42	22 28	0 37	15 26	16 41	22 57	23 4	23 4	1 5	4 0	
W28	5s42	7n51	4n43	8s45	1s45	7s 1	1s25	23s47	0s34	23n50	0n21	18n34	1s35	2s12	0s42	22n29	0s36	15s26	16s41	22n58	23n 4	23s 4	1s 3	4n 0	

Julian Day Number = 2118846.5, Delta T = 18m18s
Ecliptic obliquity = 23°33'25, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°02'30, Lahiri = 11°09'31 Julian Calendar 1 Feb. 1089 == Greg. Calendar 7 Feb. 1089

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1089
geocentric

MARCH 1089 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 58 47	16♓36'44	5♎13	13♓49	16♓50	10♑20	4♋28	29♉27	26♓ 8	11°R12	29♓36	12°R22	11♋22	11♑50	18♓10	T 1
F 2	11 2 43	17°36'13	18°54	15°46	18° 4	11° 2	4°29	29°31	26°12	11♋12	29°38	12♋11	11°19	11°57	18°13	F 2
S 3	11 6 40	18°35'41	2♏11	17°45	19°19	11°44	4°31	29°35	26°15	11°11	29°39	12° 2	11°16	12° 4	18°17	S 3
S 4	11 10 36	19°35'07	15° 3	19°45	20°33	12°26	4°33	29°39	26°19	11°11	29°41	11°55	11°12	12°10	18°21	S 4
M 5	11 14 33	20°34'31	27°34	21°45	21°48	13° 9	4°35	29°43	26°22	11°11	29°42	11°50	11° 9	12°17	18°24	M 5
T 6	11 18 29	21°33'54	9♐46	23°46	23° 3	13°51	4°37	29°48	26°25	11°10	29°43	11°47	11° 6	12°23	18°28	T 6
W 7	11 22 26	22°33'14	21°44	25°48	24°17	14°33	4°39	29°52	26°29	11°10	29°45	11°D46	11° 3	12°30	18°32	W 7
T 8	11 26 23	23°32'33	3♑34	27°51	25°32	15°16	4°42	29°57	26°32	11°10	29°46	11°47	11° 0	12°37	18°35	T 8
F 9	11 30 19	24°31'50	15°21	29°53	26°46	15°58	4°44	0♊ 1	26°36	11° 9	29°48	11°R47	10°57	12°43	18°39	F 9
S 10	11 34 16	25°31'05	27°11	1♈56	28° 1	16°40	4°47	0° 6	26°39	11° 9	29°49	11°46	10°53	12°50	18°43	S 10
S 11	11 38 12	26°30'18	9♒ 8	3°59	29°15	17°22	4°50	0°11	26°43	11° 9	29°51	11°43	10°50	12°57	18°46	S 11
M12	11 42 9	27°29'30	21°17	6° 1	0♈30	18° 5	4°54	0°16	26°46	11° 9	29°52	11°37	10°47	13° 3	18°50	M12
T 13	11 46 5	28°28'39	3♓41	8° 2	1°44	18°47	4°57	0°21	26°49	11° 9	29°54	11°28	10°44	13°10	18°54	T 13
W14	11 50 2	29°27'46	16°21	10° 2	2°58	19°29	5° 1	0°26	26°53	11° 8	29°55	11°17	10°41	13°17	18°57	W14
T 15	11 53 58	0♈26'52	29°17	12° 1	4°13	20°12	5° 4	0°31	26°56	11° 8	29°56	11° 5	10°37	13°23	19° 1	T 15
F 16	11 57 55	1°25'55	12♈30	13°58	5°27	20°54	5° 8	0°36	27° 0	11°D 8	29°58	10°52	10°34	13°30	19° 5	F 16
S 17	12 1 51	2°24'56	25°57	15°52	6°42	21°36	5°12	0°41	27° 3	11° 8	29°59	10°40	10°31	13°37	19° 8	S 17
S 18	12 5 48	3°23'55	9♉36	17°44	7°56	22°19	5°17	0°47	27° 7	11° 8	0♈ 1	10°30	10°28	13°43	19°12	S 18
M19	12 9 45	4°22'52	23°23	19°33	9°10	23° 1	5°21	0°52	27°10	11° 9	0° 2	10°22	10°25	13°50	19°16	M19
T 20	12 13 41	5°21'46	7♊18	21°19	10°25	23°43	5°26	0°57	27°13	11° 9	0° 4	10°18	10°22	13°56	19°19	T 20
W21	12 17 38	6°20'38	21°17	23° 1	11°39	24°26	5°31	1° 3	27°17	11° 9	0° 5	10°16	10°18	14° 3	19°23	W21
T 22	12 21 34	7°19'28	5♋20	24°39	12°53	25° 8	5°36	1° 9	27°20	11° 9	0° 7	10°15	10°15	14°10	19°26	T 22
F 23	12 25 31	8°18'16	19°27	26°13	14° 7	25°50	5°41	1°14	27°24	11° 9	0° 8	10°15	10°12	14°16	19°30	F 23
S 24	12 29 27	9°17'01	3♌36	27°42	15°22	26°32	5°46	1°20	27°27	11° 9	0°10	10°14	10° 9	14°23	19°33	S 24
S 25	12 33 24	10°15'44	17°47	29° 7	16°36	27°15	5°51	1°26	27°30	11°10	0°11	10°11	10° 6	14°30	19°37	S 25
M26	12 37 20	11°14'24	1♍56	0♉26	17°50	27°57	5°57	1°32	27°34	11°10	0°12	10° 5	10° 2	14°36	19°40	M26
T 27	12 41 17	12°13'03	16° 0	1°41	19° 4	28°39	6° 3	1°38	27°37	11°10	0°14	9°56	9°59	14°43	19°44	T 27
W28	12 45 14	13°11'39	29°55	2°50	20°18	29°21	6° 9	1°44	27°40	11°11	0°15	9°45	9°56	14°50	19°47	W28
T 29	12 49 10	14°10'13	13♎38	3°54	21°32	0♒ 4	6°15	1°50	27°44	11°11	0°17	9°33	9°53	14°56	19°51	T 29
F 30	12 53 7	15° 8'45	27° 3	4°53	22°46	0°46	6°21	1°56	27°47	11°12	0°18	9°20	9°50	15° 3	19°54	F 30
S 31	12 57 3	16♈ 7'15	10♏10	5♉46	24♈ 0	1♒28	6♋27	2♊ 2	27♓50	11♋12	0♈20	9♋ 9	9♋47	15♑10	19♓58	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s19	2n31	5n 1	7s55	1s39	6s31	1s25	23s45	0s36	23n50	0n21	18n35	1s35	2s11	0s42	22n29	0s36	15s25	16s41	22n59	23n 4	23s 4	1s 2	4n 0
F 2	4 55	2s47	5 1	7 4	1 34	6 2	1 24	23 42	0 37	23 50	0 21	18 36	1 35	2 10	0 42	22 29	0 36	15 24	16 41	23 0	23 4	23 4	1 0	3 59
S 3	4 32	7 49	4 45	6 12	1 27	5 32	1 24	23 40	0 38	23 50	0 21	18 37	1 34	2 8	0 42	22 29	0 36	15 24	16 41	23 1	23 5	23 5	0 59	3 59
S 4	4 9	12 22	4 15	5 19	1 20	5 2	1 23	23 37	0 39	23 50	0 21	18 39	1 34	2 7	0 42	22 29	0 36	15 23	16 41	23 1	23 5	23 5	0 58	3 59
M 5	3 45	16 15	3 33	4 24	1 13	4 32	1 23	23 34	0 40	23 50	0 21	18 40	1 34	2 6	0 42	22 29	0 36	15 23	16 41	23 2	23 5	23 5	0 56	3 59
T 6	3 22	19 21	2 42	3 28	1 5	4 2	1 22	23 31	0 41	23 50	0 21	18 41	1 34	2 4	0 42	22 29	0 36	15 22	16 41	23 2	23 5	23 6	0 55	3 59
W 7	2 58	21 33	1 45	2 32	0 56	3 31	1 21	23 28	0 42	23 50	0 21	18 42	1 33	2 3	0 42	22 29	0 36	15 21	16 41	23 2	23 6	23 6	0 53	3 59
T 8	2 35	22 47	0 44	1 35	0 47	3 1	1 21	23 24	0 43	23 49	0 21	18 43	1 33	2 2	0 42	22 29	0 36	15 21	16 41	23 2	23 6	23 6	0 52	3 59
F 9	2 11	22 59	0s19	0 37	0 37	2 31	1 20	23 20	0 45	23 49	0 21	18 44	1 33	2 0	0 42	22 29	0 36	15 20	16 41	23 2	23 6	23 6	0 51	3 59
S 10	1 47	22 9	1 21	0n21	0 27	2 0	1 19	23 16	0 46	23 49	0 21	18 46	1 33	1 59	0 42	22 29	0 36	15 19	16 41	23 2	23 6	23 7	0 49	3 59
S 11	1 24	20 18	2 20	1 20	0 17	1 29	1 18	23 12	0 47	23 49	0 21	18 47	1 33	1 57	0 42	22 29	0 36	15 19	16 41	23 2	23 7	23 7	0 48	3 59
M12	1 0	17 31	3 13	2 18	0 6	0 59	1 17	23 7	0 48	23 49	0 21	18 48	1 32	1 56	0 42	22 29	0 36	15 18	16 41	23 3	23 7	23 7	0 46	3 59
T 13	0 37	13 54	3 59	3 17	0n 5	0 28	1 16	23 3	0 49	23 49	0 21	18 49	1 32	1 55	0 42	22 29	0 36	15 18	16 41	23 4	23 7	23 7	0 45	3 59
W14	0 13	9 36	4 33	4 15	0 16	0n 3	1 15	22 58	0 51	23 49	0 21	18 51	1 32	1 53	0 42	22 29	0 36	15 17	16 41	23 4	23 8	23 7	0 44	3 59
T 15	0n11	4 47	4 54	5 12	0 28	0 34	1 13	22 53	0 52	23 49	0 21	18 52	1 32	1 52	0 42	22 29	0 36	15 17	16 41	23 6	23 8	23 8	0 42	3 59
F 16	0 34	0n21	5 1	6 8	0 39	1 4	1 12	22 48	0 53	23 49	0 22	18 53	1 32	1 51	0 42	22 29	0 36	15 16	16 41	23 7	23 8	23 8	0 41	3 59
S 17	0 58	5 34	4 50	7 4	0 51	1 35	1 11	22 42	0 54	23 49	0 22	18 54	1 31	1 49	0 42	22 29	0 36	15 15	16 41	23 8	23 8	23 8	0 39	3 59
S 18	1 21	10 36	4 23	7 58	1 3	2 6	1 10	22 37	0 55	23 49	0 22	18 56	1 31	1 48	0 42	22 29	0 36	15 15	16 41	23 8	23 9	23 8	0 38	3 59
M19	1 45	15 9	3 41	8 50	1 14	2 36	1 8	22 31	0 57	23 49	0 22	18 57	1 31	1 46	0 42	22 29	0 36	15 14	16 41	23 9	23 9	23 8	0 36	3 59
T 20	2 8	18 55	2 45	9 41	1 26	3 7	1 7	22 25	0 58	23 48	0 22	18 58	1 31	1 45	0 42	22 29	0 36	15 14	16 41	23 9	23 9	23 9	0 35	3 59
W21	2 32	21 38	1 39	10 29	1 37	3 38	1 5	22 19	0 59	23 48	0 22	19 0	1 30	1 44	0 42	22 30	0 36	15 13	16 41	23 9	23 9	23 9	0 34	3 59
T 22	2 55	23 1	0 26	11 15	1 47	4 8	1 4	22 12	1 0	23 48	0 22	19 1	1 30	1 42	0 42	22 30	0 36	15 13	16 41	23 10	23 10	23 9	0 32	3 59
F 23	3 19	22 56	0n48	11 59	1 57	4 39	1 2	22 6	1 2	23 48	0 22	19 2	1 30	1 41	0 42	22 30	0 36	15 12	16 41	23 10	23 10	23 9	0 31	3 59
S 24	3 42	21 23	2 0	12 41	2 7	5 9	1 0	21 59	1 3	23 48	0 22	19 4	1 30	1 40	0 42	22 30	0 36	15 12	16 41	23 10	23 10	23 9	0 29	3 59
S 25	4 5	18 30	3 4	13 20	2 16	5 39	0 59	21 52	1 4	23 48	0 22	19 5	1 30	1 38	0 42	22 30	0 36	15 11	16 41	23 10	23 10	23 9	0 28	3 59
M26	4 28	14 31	3 57	13 56	2 24	6 9	0 57	21 45	1 6	23 47	0 22	19 7	1 29	1 37	0 42	22 30	0 36	15 11	16 41	23 10	23 10	23 10	0 27	3 59
T 27	4 51	9 46	4 35	14 29	2 32	6 39	0 55	21 37	1 7	23 47	0 22	19 8	1 29	1 36	0 42	22 30	0 36	15 10	16 41	23 11	23 11	23 10	0 25	3 59
W28	5 14	4 33	4 56	15 0	2 38	7 9	0 53	21 30	1 8	23 47	0 22	19 9	1 29	1 34	0 42	22 30	0 36	15 10	16 41	23 12	23 11	23 10	0 24	3 59
T 29	5 37	0s48	5 0	15 27	2 44	7 39	0 51	21 22	1 9	23 47	0 22	19 11	1 29	1 33	0 42	22 30	0 36	15 9	16 41	23 13	23 11	23 10	0 23	3 59
F 30	6 0	6 1	4 46	15 52	2 49	8 8	0 49	21 14	1 11	23 46	0 22	19 12	1 29	1 32	0 42	22 30	0 36	15 9	16 41	23 14	23 11	23 10	0 21	3 59
S 31	6n22	10s51	4n18	16n13	2n53	8n37	0s48	21s 6	1s12	23n46	0n22	19n14	1s29	1s30	0s42	22n30	0s36	15s 8	16s41	23n14	23n12	23s10	0s20	3n59

Julian Day Number = 2118874.5, Delta T = 18m18s
Ecliptic obliquity = 23°33'25, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°02'34, Lahiri = 11°09'35 Julian Calendar 1 March 1089 == Greg. Calendar 7 March 1089

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1089
geocentric

APRIL 1089 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 1 0	17♈ 5'44	22♏56	6♉33	25♈14	2♒10	6♋34	2♊ 9	27♓54	11♋13	0♈21	9°R 0	9♋43	15♑16	20♓ 1	S 1
M 2	13 4 56	18° 4'11	5♐24	7°14	26°29	2°53	6°40	2°15	27°57	11°13	0°22	8♋54	9°40	15°23	20° 4	M 2
T 3	13 8 53	19° 2'36	17°35	7°50	27°43	3°35	6°47	2°21	28° 0	11°14	0°24	8°50	9°37	15°29	20° 8	T 3
W 4	13 12 49	20° 0'59	29°34	8°20	28°57	4°17	6°54	2°28	28° 3	11°14	0°25	8°48	9°34	15°36	20°11	W 4
T 5	13 16 46	20°59'21	11♑25	8°44	0♉11	4°59	7° 1	2°34	28° 7	11°15	0°26	8°D48	9°31	15°43	20°14	T 5
F 6	13 20 43	21°57'41	23°13	9° 2	1°24	5°41	7° 8	2°41	28°10	11°16	0°28	8°R48	9°28	15°49	20°18	F 6
S 7	13 24 39	22°56'00	5♒ 4	9°14	2°38	6°23	7°16	2°47	28°13	11°16	0°29	8°47	9°24	15°56	20°21	S 7
S 8	13 28 36	23°54'17	17° 4	9°21	3°52	7° 6	7°23	2°54	28°16	11°17	0°31	8°45	9°21	16° 3	20°24	S 8
M 9	13 32 32	24°52'32	29°17	9°R22	5° 6	7°48	7°31	3° 1	28°19	11°18	0°32	8°41	9°18	16° 9	20°27	M 9
T 10	13 36 29	25°50'46	11♓46	9°18	6°20	8°30	7°38	3° 8	28°23	11°19	0°33	8°33	9°15	16°16	20°30	T 10
W11	13 40 25	26°48'58	24°36	9° 9	7°34	9°12	7°46	3°14	28°26	11°19	0°35	8°24	9°12	16°23	20°34	W11
T 12	13 44 22	27°47'08	7♈48	8°55	8°48	9°54	7°54	3°21	28°29	11°20	0°36	8°13	9° 8	16°29	20°37	T 12
F 13	13 48 18	28°45'17	21°19	8°36	10° 2	10°36	8° 2	3°28	28°32	11°21	0°37	8° 2	9° 5	16°36	20°40	F 13
S 14	13 52 15	29°43'24	5♉ 9	8°14	11°16	11°18	8°11	3°35	28°35	11°22	0°39	7°51	9° 2	16°43	20°43	S 14
S 15	13 56 12	0♉41'30	19°13	7°47	12°29	12° 0	8°19	3°42	28°38	11°23	0°40	7°42	8°59	16°49	20°46	S 15
M16	14 0 8	1°39'34	3♊26	7°17	13°43	12°42	8°28	3°49	28°41	11°24	0°41	7°35	8°56	16°56	20°49	M16
T 17	14 4 5	2°37'36	17°43	6°45	14°57	13°24	8°36	3°56	28°44	11°25	0°42	7°32	8°53	17° 3	20°52	T 17
W18	14 8 1	3°35'36	2♋ 1	6°11	16°11	14° 5	8°45	4° 3	28°47	11°26	0°44	7°D30	8°49	17° 9	20°55	W18
T 19	14 11 58	4°33'34	16°16	5°35	17°24	14°47	8°54	4°10	28°50	11°27	0°45	7°30	8°46	17°16	20°58	T 19
F 20	14 15 54	5°31'31	0♌27	4°59	18°38	15°29	9° 3	4°18	28°53	11°28	0°46	7°R31	8°43	17°22	21° 0	F 20
S 21	14 19 51	6°29'25	14°31	4°22	19°52	16°11	9°12	4°25	28°56	11°29	0°47	7°31	8°40	17°29	21° 3	S 21
S 22	14 23 47	7°27'17	28°28	3°46	21° 5	16°52	9°21	4°32	28°59	11°31	0°49	7°29	8°37	17°36	21° 6	S 22
M23	14 27 44	8°25'08	12♍17	3°11	22°19	17°34	9°30	4°39	29° 1	11°32	0°50	7°25	8°34	17°42	21° 9	M23
T 24	14 31 41	9°22'57	25°58	2°38	23°33	18°16	9°39	4°47	29° 4	11°33	0°51	7°18	8°30	17°49	21°12	T 24
W25	14 35 37	10°20'44	9♎27	2° 7	24°46	18°57	9°49	4°54	29° 7	11°34	0°52	7°10	8°27	17°56	21°14	W25
T 26	14 39 34	11°18'29	22°45	1°38	26° 0	19°39	9°59	5° 1	29°10	11°35	0°53	7° 0	8°24	18° 2	21°17	T 26
F 27	14 43 30	12°16'13	5♏48	1°13	27°13	20°20	10° 8	5° 9	29°13	11°37	0°54	6°51	8°21	18° 9	21°20	F 27
S 28	14 47 27	13°13'56	18°37	0°52	28°27	21° 2	10°18	5°16	29°15	11°38	0°56	6°42	8°18	18°16	21°22	S 28
S 29	14 51 23	14°11'37	1♐10	0°34	29°40	21°43	10°28	5°24	29°18	11°39	0°57	6°35	8°14	18°22	21°25	S 29
M30	14 55 20	15♉ 9'17	13♐29	0♉21	0♊54	22♒25	10♋38	5♊31	29♓21	11♋41	0♈58	6♋31	8♋11	18♑29	21♓27	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n45	15s 5	3n38	16n32	2n56	9n 6	0s46	20s58	1s13	23n46	0n22	19n15	1s28	1s29	0s42	22n30	0s35	15s 8	16s42	23n15	23n12	23s10	0s18	3n59
M 2	7 7	18 34	2 47	16 47	2 57	9 35	0 43	20 49	1 15	23 46	0 22	19 16	1 28	1 28	0 42	22 30	0 35	15 7	16 42	23 15	23 12	23 11	0 17	3 59
T 3	7 30	21 9	1 50	16 59	2 58	10 4	0 41	20 41	1 16	23 45	0 22	19 18	1 28	1 26	0 42	22 29	0 35	15 7	16 42	23 16	23 12	23 11	0 16	3 59
W 4	7 52	22 45	0 49	17 9	2 57	10 32	0 39	20 32	1 17	23 45	0 22	19 19	1 28	1 25	0 42	22 29	0 35	15 6	16 42	23 16	23 13	23 11	0 14	3 59
T 5	8 14	23 18	0s14	17 15	2 56	11 1	0 37	20 23	1 19	23 45	0 22	19 21	1 28	1 24	0 42	22 29	0 35	15 6	16 42	23 16	23 13	23 11	0 13	4 0
F 6	8 36	22 48	1 16	17 18	2 53	11 28	0 35	20 14	1 20	23 44	0 22	19 22	1 28	1 23	0 42	22 29	0 35	15 5	16 42	23 16	23 13	23 11	0 12	4 0
S 7	8 58	21 16	2 15	17 18	2 48	11 56	0 33	20 5	1 21	23 44	0 23	19 24	1 27	1 21	0 42	22 29	0 35	15 5	16 42	23 16	23 13	23 11	0 10	4 0
S 8	9 19	18 47	3 8	17 15	2 43	12 24	0 31	19 55	1 23	23 44	0 23	19 25	1 27	1 20	0 42	22 29	0 35	15 5	16 42	23 16	23 14	23 11	0 9	4 0
M 9	9 41	15 26	3 54	17 9	2 36	12 51	0 28	19 46	1 24	23 43	0 23	19 26	1 27	1 19	0 42	22 29	0 35	15 4	16 43	23 16	23 14	23 11	0 8	4 0
T 10	10 2	11 20	4 30	17 0	2 28	13 17	0 26	19 36	1 26	23 43	0 23	19 28	1 27	1 18	0 42	22 29	0 35	15 4	16 43	23 17	23 14	23 11	0 6	4 0
W11	10 23	6 38	4 54	16 48	2 18	13 44	0 24	19 26	1 27	23 42	0 23	19 29	1 27	1 16	0 42	22 29	0 35	15 3	16 43	23 17	23 14	23 11	0 5	4 0
T 12	10 44	1 31	5 2	16 33	2 7	14 10	0 21	19 16	1 28	23 42	0 23	19 31	1 27	1 15	0 42	22 29	0 35	15 3	16 43	23 18	23 14	23 11	0 4	4 0
F 13	11 5	3n48	4 54	16 16	1 56	14 36	0 19	19 6	1 30	23 41	0 23	19 32	1 26	1 14	0 42	22 29	0 35	15 3	16 43	23 19	23 15	23 11	0 2	4 0
S 14	11 26	9 4	4 29	15 56	1 43	15 1	0 17	18 56	1 31	23 41	0 23	19 34	1 26	1 13	0 42	22 29	0 35	15 2	16 43	23 19	23 15	23 11	0 1	4 0
S 15	11 46	13 58	3 47	15 34	1 29	15 26	0 14	18 46	1 33	23 40	0 23	19 35	1 26	1 11	0 42	22 29	0 35	15 2	16 43	23 20	23 15	23 11	0n 0	4 0
M16	12 7	18 9	2 51	15 11	1 14	15 51	0 12	18 35	1 34	23 40	0 23	19 37	1 26	1 10	0 42	22 29	0 35	15 2	16 44	23 20	23 15	23 11	0 1	4 0
T 17	12 27	21 16	1 43	14 45	0 58	16 15	0 9	18 24	1 35	23 39	0 23	19 38	1 26	1 9	0 42	22 29	0 35	15 1	16 44	23 21	23 15	23 11	0 3	4 0
W18	12 47	23 3	0 29	14 18	0 42	16 39	0 7	18 14	1 37	23 39	0 23	19 40	1 26	1 8	0 42	22 29	0 35	15 1	16 44	23 21	23 16	23 12	0 4	4 1
T 19	13 6	23 20	0n47	13 51	0 25	17 2	0 4	18 3	1 38	23 38	0 23	19 41	1 25	1 7	0 42	22 29	0 35	15 1	16 44	23 21	23 16	23 12	0 5	4 1
F 20	13 26	22 6	1 59	13 22	0 8	17 25	0 2	17 52	1 40	23 38	0 23	19 43	1 25	1 6	0 42	22 29	0 35	15 0	16 44	23 21	23 16	23 12	0 6	4 1
S 21	13 45	19 30	3 4	12 54	0s 9	17 48	0n 0	17 40	1 41	23 37	0 23	19 44	1 25	1 4	0 42	22 29	0 35	15 0	16 45	23 21	23 16	23 12	0 7	4 1
S 22	14 4	15 46	3 58	12 25	0 27	18 10	0 3	17 29	1 43	23 37	0 23	19 45	1 25	1 3	0 42	22 29	0 35	15 0	16 45	23 21	23 17	23 12	0 9	4 1
M23	14 23	11 14	4 37	11 57	0 44	18 32	0 5	17 18	1 44	23 36	0 23	19 47	1 25	1 2	0 42	22 29	0 35	14 59	16 45	23 21	23 17	23 12	0 10	4 1
T 24	14 41	6 11	4 59	11 30	1 1	18 53	0 8	17 6	1 45	23 35	0 23	19 48	1 25	1 1	0 42	22 28	0 35	14 59	16 45	23 21	23 17	23 11	0 11	4 1
W25	15 0	0 54	5 5	11 4	1 17	19 13	0 10	16 54	1 47	23 35	0 23	19 50	1 25	1 0	0 42	22 28	0 35	14 59	16 45	23 22	23 17	23 11	0 12	4 1
T 26	15 18	4s21	4 54	10 39	1 33	19 33	0 13	16 43	1 48	23 34	0 23	19 51	1 25	0 59	0 42	22 28	0 35	14 59	16 46	23 22	23 17	23 11	0 13	4 1
F 27	15 36	9 19	4 28	10 16	1 48	19 53	0 15	16 31	1 50	23 33	0 23	19 53	1 24	0 58	0 42	22 28	0 35	14 58	16 46	23 23	23 18	23 11	0 14	4 1
S 28	15 53	13 48	3 48	9 55	2 2	20 12	0 18	16 19	1 51	23 33	0 23	19 54	1 24	0 57	0 42	22 28	0 35	14 58	16 46	23 23	23 18	23 11	0 16	4 2
S 29	16 11	17 35	2 58	9 37	2 16	20 31	0 20	16 7	1 53	23 32	0 23	19 56	1 24	0 56	0 42	22 28	0 35	14 58	16 46	23 24	23 18	23 11	0 17	4 2
M30	16n28	20s32	2n 1	9n20	2s28	20n49	0n23	15s55	1s54	23n31	0n24	19n57	1s24	0s55	0s43	22n28	0s35	14s58	16s47	23n24	23n18	23s11	0n18	4n 2

Julian Day Number = 2118905.5, Delta T = 18m18s
Ecliptic obliquity = 23°33'25, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°02'38, Lahiri = 11°09'39 Julian Calendar 1 Apr. 1089 == Greg. Calendar 7 Apr. 1089

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1089
geocentric

MAY 1089 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 59 16	16♉ 6'56	25♐35	0°R12	2♊ 7	23♒ 6	10♋48	5♊39	29♓23	11♋42	0♈59	6°R28	8♋ 8	18♑36	21♓30	T 1
W 2	15 3 13	17° 4'34	7♑32	0♉ 7	3°21	23°47	10°58	5°46	29°26	11°44	1° 0	6°D27	8° 5	18°42	21°32	W 2
T 3	15 7 10	18° 2'10	19°22	0°D 7	4°34	24°28	11° 8	5°54	29°28	11°45	1° 1	6♋28	8° 2	18°49	21°34	T 3
F 4	15 11 6	18°59'46	1♒10	0°11	5°47	25° 9	11°19	6° 2	29°31	11°47	1° 2	6°29	7°59	18°56	21°37	F 4
S 5	15 15 3	19°57'20	13° 1	0°19	7° 1	25°51	11°29	6° 9	29°33	11°48	1° 3	6°30	7°55	19° 2	21°39	S 5
S 6	15 18 59	20°54'54	25° 1	0°33	8°14	26°32	11°40	6°17	29°36	11°50	1° 4	6°R31	7°52	19° 9	21°41	S 6
M 7	15 22 56	21°52'26	7♓14	0°50	9°27	27°13	11°50	6°24	29°38	11°51	1° 5	6°29	7°49	19°15	21°44	M 7
T 8	15 26 52	22°49'58	19°46	1°12	10°41	27°53	12° 1	6°32	29°40	11°53	1° 6	6°26	7°46	19°22	21°46	T 8
W 9	15 30 49	23°47'29	2♈39	1°39	11°54	28°34	12°12	6°40	29°43	11°54	1° 7	6°21	7°43	19°29	21°48	W 9
T 10	15 34 45	24°44'59	15°56	2° 9	13° 7	29°15	12°23	6°48	29°45	11°56	1° 8	6°15	7°39	19°35	21°50	T 10
F 11	15 38 42	25°42'28	29°38	2°44	14°21	29°56	12°33	6°55	29°47	11°58	1° 9	6° 9	7°36	19°42	21°52	F 11
S 12	15 42 38	26°39'56	13♉43	3°23	15°34	0♓36	12°44	7° 3	29°50	11°59	1°10	6° 3	7°33	19°49	21°54	S 12
S 13	15 46 35	27°37'23	28° 6	4° 6	16°47	1°17	12°56	7°11	29°52	12° 1	1°11	5°58	7°30	19°55	21°56	S 13
M14	15 50 32	28°34'49	12♊42	4°52	18° 0	1°57	13° 7	7°19	29°54	12° 3	1°12	5°54	7°27	20° 2	21°58	M14
T 15	15 54 28	29°32'15	27°24	5°42	19°14	2°38	13°18	7°26	29°56	12° 4	1°13	5°52	7°24	20° 9	22° 0	T 15
W16	15 58 25	0♊29'39	12♋ 6	6°36	20°27	3°18	13°29	7°34	29°58	12° 6	1°13	5°D52	7°20	20°15	22° 2	W16
T 17	16 2 21	1°27'02	26°41	7°33	21°40	3°58	13°41	7°42	0♈ 0	12° 8	1°14	5°53	7°17	20°22	22° 3	T 17
F 18	16 6 18	2°24'24	11♌ 6	8°34	22°53	4°38	13°52	7°50	0° 2	12°10	1°15	5°55	7°14	20°29	22° 5	F 18
S 19	16 10 14	3°21'45	25°16	9°38	24° 6	5°18	14° 4	7°58	0° 4	12°12	1°16	5°56	7°11	20°35	22° 7	S 19
S 20	16 14 11	4°19'05	9♍12	10°45	25°19	5°58	14°15	8° 5	0° 6	12°13	1°17	5°R56	7° 8	20°42	22° 8	S 20
M21	16 18 8	5°16'23	22°52	11°56	26°32	6°38	14°27	8°13	0° 8	12°15	1°17	5°55	7° 5	20°49	22°10	M21
T 22	16 22 4	6°13'41	6♎17	13°10	27°45	7°17	14°38	8°21	0°10	12°17	1°18	5°52	7° 1	20°55	22°11	T 22
W23	16 26 1	7°10'57	19°27	14°27	28°58	7°57	14°50	8°29	0°12	12°19	1°19	5°49	6°58	21° 2	22°13	W23
T 24	16 29 57	8° 8'13	2♏22	15°47	0♋11	8°36	15° 2	8°37	0°13	12°21	1°19	5°44	6°55	21° 9	22°14	T 24
F 25	16 33 54	9° 5'28	15° 5	17°10	1°24	9°15	15°14	8°45	0°15	12°23	1°20	5°40	6°52	21°15	22°16	F 25
S 26	16 37 50	10° 2'42	27°34	18°36	2°37	9°55	15°26	8°52	0°17	12°25	1°21	5°36	6°49	21°22	22°17	S 26
S 27	16 41 47	10°59'56	9♐52	20° 5	3°50	10°34	15°38	9° 0	0°18	12°27	1°21	5°33	6°45	21°28	22°18	S 27
M28	16 45 43	11°57'09	21°59	21°38	5° 3	11°13	15°50	9° 8	0°20	12°29	1°22	5°31	6°42	21°35	22°20	M28
T 29	16 49 40	12°54'21	3♑57	23°13	6°16	11°52	16° 2	9°16	0°21	12°31	1°23	5°D31	6°39	21°42	22°21	T 29
W30	16 53 37	13°51'34	15°50	24°51	7°29	12°30	16°14	9°24	0°23	12°33	1°23	5°31	6°36	21°48	22°22	W30
T 31	16 57 33	14♊48'45	27♑38	26♉32	8♋41	13♓ 9	16♋26	9♊32	0♈24	12♋35	1♈24	5♋32	6♋33	21♑55	22♓23	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n44	22s31	0n58	9n 6	2s40	21n 6	0n25	15s42	1s56	23n30	0n24	19n59	1s24	0s54	0s43	22n28	0s35	14s58	16s47	23n24	23n18	23s11	0n19	4n 2
W 2	17 1	23 26	0s 6	8 55	2 50	21 23	0 28	15 30	1 57	23 30	0 24	20 0	1 24	0 53	0 43	22 28	0 35	14 57	16 47	23 24	23 19	23 11	0 20	4 2
T 3	17 17	23 18	1 9	8 46	3 0	21 39	0 30	15 18	1 59	23 29	0 24	20 1	1 24	0 52	0 43	22 28	0 35	14 57	16 47	23 24	23 19	23 11	0 21	4 2
F 4	17 33	22 6	2 10	8 39	3 8	21 55	0 33	15 5	2 0	23 28	0 24	20 3	1 24	0 51	0 43	22 28	0 35	14 57	16 48	23 24	23 19	23 11	0 22	4 2
S 5	17 49	19 56	3 5	8 35	3 15	22 10	0 35	14 53	2 2	23 27	0 24	20 4	1 23	0 50	0 43	22 27	0 34	14 57	16 48	23 24	23 19	23 11	0 23	4 2
S 6	18 4	16 53	3 53	8 34	3 22	22 24	0 38	14 40	2 3	23 26	0 24	20 6	1 23	0 49	0 43	22 27	0 34	14 57	16 48	23 24	23 19	23 11	0 24	4 3
M 7	18 19	13 4	4 31	8 35	3 27	22 38	0 40	14 27	2 5	23 25	0 24	20 7	1 23	0 48	0 43	22 27	0 34	14 56	16 49	23 24	23 20	23 11	0 25	4 3
T 8	18 34	8 37	4 57	8 39	3 31	22 51	0 42	14 14	2 6	23 24	0 24	20 8	1 23	0 47	0 43	22 27	0 34	14 56	16 49	23 24	23 20	23 11	0 26	4 3
W 9	18 49	3 40	5 9	8 45	3 34	23 4	0 45	14 1	2 8	23 24	0 24	20 10	1 23	0 46	0 43	22 27	0 34	14 56	16 49	23 24	23 20	23 11	0 27	4 3
T 10	19 3	1n36	5 5	8 53	3 37	23 16	0 47	13 49	2 9	23 23	0 24	20 11	1 23	0 45	0 43	22 27	0 34	14 56	16 49	23 24	23 20	23 10	0 28	4 3
F 11	19 17	6 58	4 44	9 4	3 38	23 27	0 49	13 36	2 11	23 22	0 24	20 13	1 23	0 44	0 43	22 27	0 34	14 56	16 50	23 25	23 20	23 10	0 29	4 3
S 12	19 30	12 7	4 6	9 17	3 39	23 37	0 51	13 22	2 12	23 21	0 24	20 14	1 23	0 43	0 43	22 27	0 34	14 56	16 50	23 25	23 20	23 10	0 30	4 3
S 13	19 44	16 44	3 11	9 31	3 38	23 47	0 54	13 9	2 14	23 20	0 24	20 15	1 23	0 43	0 43	22 26	0 34	14 56	16 50	23 25	23 21	23 10	0 31	4 4
M14	19 56	20 24	2 3	9 48	3 37	23 56	0 56	12 56	2 15	23 19	0 24	20 17	1 23	0 42	0 43	22 26	0 34	14 56	16 51	23 25	23 21	23 10	0 32	4 4
T 15	20 9	22 46	0 46	10 6	3 35	24 5	0 58	12 43	2 17	23 17	0 24	20 18	1 22	0 41	0 43	22 26	0 34	14 56	16 51	23 26	23 21	23 10	0 33	4 4
W16	20 21	23 34	0n34	10 27	3 32	24 13	1 0	12 30	2 18	23 16	0 24	20 20	1 22	0 40	0 43	22 26	0 34	14 56	16 51	23 26	23 21	23 10	0 33	4 4
T 17	20 33	22 44	1 51	10 49	3 29	24 20	1 2	12 16	2 20	23 15	0 24	20 21	1 22	0 39	0 43	22 26	0 34	14 56	16 51	23 26	23 21	23 9	0 34	4 4
F 18	20 45	20 25	3 1	11 12	3 24	24 26	1 4	12 3	2 22	23 14	0 24	20 22	1 22	0 38	0 43	22 26	0 34	14 56	16 52	23 25	23 21	23 9	0 35	4 4
S 19	20 56	16 53	3 58	11 37	3 19	24 32	1 6	11 50	2 23	23 13	0 24	20 24	1 22	0 38	0 43	22 26	0 34	14 56	16 52	23 25	23 22	23 9	0 36	4 5
S 20	21 7	12 28	4 40	12 3	3 14	24 37	1 8	11 36	2 25	23 12	0 25	20 25	1 22	0 37	0 43	22 26	0 34	14 55	16 52	23 25	23 22	23 9	0 37	4 5
M21	21 17	7 30	5 5	12 31	3 8	24 41	1 10	11 23	2 26	23 11	0 25	20 26	1 22	0 36	0 43	22 25	0 34	14 55	16 53	23 25	23 22	23 9	0 37	4 5
T 22	21 27	2 17	5 13	13 0	3 1	24 45	1 12	11 10	2 28	23 9	0 25	20 28	1 22	0 36	0 43	22 25	0 34	14 55	16 53	23 26	23 22	23 9	0 38	4 5
W23	21 37	2s57	5 4	13 29	2 53	24 47	1 14	10 56	2 29	23 8	0 25	20 29	1 22	0 35	0 43	22 25	0 34	14 56	16 53	23 26	23 22	23 8	0 39	4 5
T 24	21 46	7 58	4 40	14 0	2 45	24 49	1 16	10 43	2 31	23 7	0 25	20 30	1 22	0 34	0 43	22 25	0 34	14 56	16 54	23 26	23 23	23 8	0 40	4 5
F 25	21 55	12 34	4 2	14 32	2 37	24 51	1 18	10 29	2 32	23 6	0 25	20 31	1 22	0 34	0 43	22 25	0 34	14 56	16 54	23 26	23 23	23 8	0 40	4 5
S 26	22 4	16 34	3 14	15 4	2 28	24 51	1 19	10 16	2 34	23 4	0 25	20 33	1 22	0 33	0 43	22 25	0 34	14 56	16 54	23 26	23 23	23 8	0 41	4 6
S 27	22 12	19 47	2 17	15 38	2 19	24 51	1 21	10 2	2 35	23 3	0 25	20 34	1 22	0 32	0 43	22 24	0 34	14 56	16 55	23 26	23 23	23 8	0 42	4 6
M28	22 20	22 5	1 14	16 11	2 9	24 50	1 23	9 49	2 37	23 2	0 25	20 35	1 21	0 32	0 43	22 24	0 34	14 56	16 55	23 26	23 23	23 7	0 42	4 6
T 29	22 27	23 21	0 9	16 45	1 59	24 49	1 24	9 35	2 38	23 0	0 25	20 36	1 21	0 31	0 43	22 24	0 34	14 56	16 55	23 26	23 23	23 7	0 43	4 6
W30	22 35	23 33	0s57	17 19	1 48	24 46	1 26	9 22	2 40	22 59	0 25	20 38	1 21	0 31	0 43	22 24	0 34	14 56	16 56	23 26	23 23	23 7	0 43	4 6
T 31	22n41	22s41	1s59	17n54	1s37	24n43	1n27	9s 8	2s41	22n57	0n25	20n39	1s21	0s30	0s43	22n24	0s34	14s56	16s56	23n26	23n24	23s 7	0n44	4n 6

Julian Day Number = 2118935.5, Delta T = 18m17s
Ecliptic obliquity = 23°33'25, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°02'43, Lahiri = 11°09'43 Julian Calendar 1 May 1089 == Greg. Calendar 7 May 1089

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1089
geocentric

JUNE 1089 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 1 30	15♊45'57	9♒26	28♉16	9♋54	13♓48	16♋39	9♊39	0♈26	12♋37	1♈24	5♋34	6♋30	22♉ 2	22♓24	F 1
S 2	17 5 26	16°43'08	21°18	0♊ 3	11° 7	14°26	16°51	9°47	0°27	12°39	1°25	5°35	6°26	22° 8	22°25	S 2
S 3	17 9 23	17°40'20	3♓18	1°52	12°20	15° 4	17° 3	9°55	0°29	12°41	1°25	5°36	6°23	22°15	22°26	S 3
M 4	17 13 19	18°37'31	15°31	3°45	13°32	15°42	17°16	10° 3	0°30	12°43	1°26	5°R37	6°20	22°22	22°27	M 4
T 5	17 17 16	19°34'42	28° 0	5°39	14°45	16°20	17°28	10°10	0°31	12°45	1°26	5°37	6°17	22°28	22°27	T 5
W 6	17 21 12	20°31'53	10♈51	7°37	15°58	16°58	17°41	10°18	0°32	12°47	1°27	5°36	6°14	22°35	22°28	W 6
T 7	17 25 9	21°29'04	24° 7	9°36	17°10	17°35	17°53	10°26	0°33	12°49	1°27	5°35	6°11	22°42	22°29	T 7
F 8	17 29 6	22°26'15	7♉49	11°38	18°23	18°13	18° 6	10°34	0°34	12°51	1°28	5°33	6° 7	22°48	22°30	F 8
S 9	17 33 2	23°23'27	21°56	13°42	19°36	18°50	18°18	10°41	0°35	12°53	1°28	5°31	6° 4	22°55	22°30	S 9
S 10	17 36 59	24°20'38	6♊27	15°47	20°48	19°27	18°31	10°49	0°36	12°55	1°28	5°30	6° 1	23° 2	22°31	S 10
M11	17 40 55	25°17'50	21°17	17°54	22° 1	20° 4	18°44	10°57	0°37	12°58	1°29	5°29	5°58	23° 8	22°31	M11
T 12	17 44 52	26°15'01	6♋17	20° 3	23°13	20°41	18°56	11° 5	0°38	13° 0	1°29	5°D29	5°55	23°15	22°32	T 12
W13	17 48 48	27°12'12	21°19	22°12	24°26	21°17	19° 9	11°12	0°39	13° 2	1°29	5°29	5°51	23°22	22°32	W13
T 14	17 52 45	28° 9'24	6♌15	24°22	25°38	21°54	19°22	11°20	0°40	13° 4	1°29	5°30	5°48	23°28	22°32	T 14
F 15	17 56 41	29° 6'35	20°59	26°32	26°51	22°30	19°35	11°27	0°41	13° 6	1°30	5°31	5°45	23°35	22°33	F 15
S 16	18 0 38	0♋ 3'45	5♍23	28°42	28° 3	23° 6	19°48	11°35	0°41	13° 8	1°30	5°31	5°42	23°41	22°33	S 16
S 17	18 4 35	1° 0'56	19°27	0♋52	29°15	23°41	20° 1	11°43	0°42	13°11	1°30	5°31	5°39	23°48	22°33	S 17
M18	18 8 31	1°58'06	3♎ 7	3° 2	0♌28	24°17	20°13	11°50	0°43	13°13	1°30	5°R31	5°36	23°55	22°33	M18
T 19	18 12 28	2°55'16	16°26	5°11	1°40	24°52	20°26	11°58	0°43	13°15	1°30	5°31	5°32	24° 1	22°33	T 19
W20	18 16 24	3°52'26	29°25	7°19	2°52	25°27	20°39	12° 5	0°44	13°17	1°31	5°31	5°29	24° 8	22°R33	W20
T 21	18 20 21	4°49'36	12♏ 6	9°26	4° 5	26° 2	20°52	12°13	0°44	13°19	1°31	5°31	5°26	24°15	22°33	T 21
F 22	18 24 17	5°46'47	24°33	11°31	5°17	26°37	21° 5	12°20	0°45	13°22	1°31	5°D31	5°23	24°21	22°33	F 22
S 23	18 28 14	6°43'57	6♐47	13°36	6°29	27°11	21°18	12°27	0°45	13°24	1°31	5°31	5°20	24°28	22°33	S 23
S 24	18 32 10	7°41'08	18°51	15°39	7°41	27°45	21°31	12°35	0°45	13°26	1°31	5°31	5°17	24°35	22°33	S 24
M25	18 36 7	8°38'18	0♑48	17°40	8°53	28°19	21°45	12°42	0°46	13°28	1°31	5°R31	5°13	24°41	22°32	M25
T 26	18 40 4	9°35'30	12°40	19°39	10° 5	28°53	21°58	12°49	0°46	13°30	1°R31	5°31	5°10	24°48	22°32	T 26
W27	18 44 0	10°32'41	24°29	21°37	11°17	29°26	22°11	12°57	0°46	13°33	1°31	5°31	5° 7	24°55	22°32	W27
T 28	18 47 57	11°29'53	6♒17	23°34	12°29	29°59	22°24	13° 4	0°46	13°35	1°31	5°31	5° 4	25° 1	22°31	T 28
F 29	18 51 53	12°27'06	18° 7	25°28	13°41	0♈32	22°37	13°11	0°46	13°37	1°31	5°30	5° 1	25° 8	22°31	F 29
S 30	18 55 50	13♋24'19	0♓ 2	27♋21	14♌53	1♈ 4	22♋50	13♊18	0°R46	13♋39	1♈31	5♋29	4♋57	25♉15	22♓30	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n48	20s49	2s57	18n28	1s26	24n40	1n29	8s55	2s43	22n56	0n25	20n40	1s21	0s29	0s43	22n24	0s34	14s56	16s56	23n26	23n24	23s 7	0n45	4n 7
S 2	22 53	18 3	3 47	19 2	1 15	24 35	1 30	8 41	2 45	22 54	0 25	20 41	1 21	0 29	0 43	22 23	0 34	14 56	16 57	23 26	23 24	23 6	0 45	4 7
S 3	22 59	14 30	4 28	19 36	1 4	24 30	1 31	8 28	2 46	22 53	0 25	20 43	1 21	0 28	0 43	22 23	0 34	14 56	16 57	23 26	23 24	23 6	0 46	4 7
M 4	23 4	10 18	4 57	20 9	0 52	24 24	1 32	8 14	2 48	22 51	0 25	20 44	1 21	0 28	0 43	22 23	0 34	14 56	16 58	23 26	23 24	23 6	0 46	4 7
T 5	23 9	5 35	5 14	20 41	0 40	24 17	1 34	8 1	2 49	22 50	0 25	20 45	1 21	0 27	0 44	22 23	0 34	14 57	16 58	23 26	23 24	23 6	0 47	4 7
W 6	23 13	0 31	5 15	21 13	0 29	24 10	1 35	7 47	2 51	22 48	0 26	20 46	1 21	0 27	0 44	22 23	0 34	14 57	16 58	23 26	23 25	23 5	0 47	4 8
T 7	23 17	4n45	5 0	21 43	0 17	24 2	1 36	7 34	2 52	22 47	0 26	20 47	1 21	0 27	0 44	22 23	0 34	14 57	16 59	23 26	23 25	23 5	0 48	4 8
F 8	23 20	9 57	4 28	22 12	0 6	23 53	1 37	7 21	2 54	22 45	0 26	20 48	1 21	0 26	0 44	22 22	0 34	14 57	16 59	23 26	23 25	23 5	0 48	4 8
S 9	23 23	14 49	3 39	22 39	0n 5	23 44	1 38	7 7	2 55	22 43	0 26	20 50	1 21	0 26	0 44	22 22	0 34	14 57	16 59	23 26	23 25	23 4	0 48	4 8
S 10	23 26	18 58	2 34	23 4	0 16	23 33	1 38	6 54	2 57	22 42	0 26	20 51	1 21	0 25	0 44	22 22	0 34	14 57	17 0	23 27	23 25	23 4	0 49	4 8
M11	23 28	21 58	1 18	23 27	0 27	23 23	1 39	6 41	2 58	22 40	0 26	20 52	1 21	0 25	0 44	22 22	0 34	14 58	17 0	23 27	23 25	23 4	0 49	4 8
T 12	23 30	23 29	0n 4	23 47	0 37	23 11	1 40	6 28	3 0	22 38	0 26	20 53	1 21	0 25	0 44	22 22	0 34	14 58	17 0	23 27	23 25	23 3	0 49	4 9
W13	23 32	23 17	1 27	24 6	0 46	22 59	1 40	6 15	3 1	22 37	0 26	20 54	1 21	0 24	0 44	22 21	0 34	14 58	17 1	23 27	23 26	23 3	0 50	4 9
T 14	23 33	21 26	2 43	24 21	0 55	22 46	1 41	6 2	3 3	22 35	0 26	20 55	1 21	0 24	0 44	22 21	0 34	14 58	17 1	23 27	23 26	23 3	0 50	4 9
F 15	23 33	18 9	3 47	24 34	1 4	22 33	1 41	5 49	3 4	22 33	0 26	20 56	1 21	0 24	0 44	22 21	0 34	14 59	17 2	23 26	23 26	23 3	0 50	4 9
S 16	23 33	13 50	4 35	24 45	1 12	22 19	1 42	5 36	3 6	22 31	0 26	20 57	1 21	0 24	0 44	22 21	0 34	14 59	17 2	23 26	23 26	23 2	0 51	4 9
S 17	23 33	8 52	5 5	24 52	1 19	22 4	1 42	5 23	3 7	22 29	0 26	20 58	1 20	0 23	0 44	22 21	0 34	14 59	17 2	23 26	23 26	23 2	0 51	4 9
M18	23 33	3 36	5 17	24 57	1 25	21 49	1 42	5 10	3 9	22 28	0 26	20 59	1 20	0 23	0 44	22 20	0 34	14 59	17 3	23 26	23 26	23 2	0 51	4 10
T 19	23 31	1s42	5 12	24 58	1 31	21 33	1 42	4 57	3 10	22 26	0 26	21 0	1 20	0 23	0 44	22 20	0 34	15 0	17 3	23 26	23 26	23 1	0 51	4 10
W20	23 30	6 47	4 51	24 57	1 36	21 17	1 43	4 45	3 12	22 24	0 26	21 1	1 20	0 23	0 44	22 20	0 34	15 0	17 3	23 26	23 27	23 1	0 51	4 10
T 21	23 28	11 29	4 15	24 53	1 40	20 59	1 43	4 32	3 13	22 22	0 27	21 2	1 20	0 23	0 44	22 20	0 34	15 0	17 4	23 26	23 27	23 0	0 52	4 10
F 22	23 26	15 38	3 29	24 47	1 44	20 42	1 42	4 20	3 15	22 20	0 27	21 3	1 20	0 23	0 44	22 20	0 34	15 1	17 4	23 26	23 27	23 0	0 52	4 10
S 23	23 23	19 2	2 33	24 38	1 47	20 24	1 42	4 7	3 16	22 18	0 27	21 4	1 20	0 22	0 44	22 19	0 34	15 1	17 4	23 26	23 27	23 0	0 52	4 11
S 24	23 20	21 34	1 31	24 26	1 49	20 5	1 42	3 55	3 18	22 16	0 27	21 5	1 20	0 22	0 44	22 19	0 34	15 1	17 5	23 26	23 27	22 59	0 52	4 11
M25	23 16	23 7	0 26	24 12	1 50	19 46	1 42	3 43	3 19	22 14	0 27	21 6	1 20	0 22	0 44	22 19	0 33	15 1	17 5	23 26	23 27	22 59	0 52	4 11
T 26	23 12	23 36	0s40	23 56	1 51	19 26	1 41	3 31	3 21	22 12	0 27	21 7	1 20	0 22	0 44	22 19	0 33	15 2	17 6	23 26	23 27	22 59	0 52	4 11
W27	23 8	23 2	1 43	23 38	1 51	19 5	1 41	3 19	3 22	22 10	0 27	21 8	1 20	0 22	0 44	22 19	0 33	15 2	17 6	23 26	23 27	22 58	0 52	4 11
T 28	23 3	21 25	2 43	23 18	1 50	18 45	1 40	3 7	3 24	22 8	0 27	21 9	1 20	0 22	0 44	22 18	0 33	15 2	17 6	23 26	23 28	22 58	0 52	4 11
F 29	22 58	18 53	3 35	22 56	1 49	18 23	1 40	2 55	3 25	22 6	0 27	21 10	1 20	0 22	0 44	22 18	0 33	15 3	17 7	23 27	23 28	22 57	0 52	4 12
S 30	22n53	15s33	4s19	22n32	1n47	18n 2	1n39	2s43	3s26	22n 4	0n27	21n11	1s20	0s22	0s44	22n18	0s33	15s 3	17s 7	23n27	23n28	22s57	0n52	4n12

Julian Day Number = 2118966.5, Delta T = 18m17s
Ecliptic obliquity = 23°33'25, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°02'47, Lahiri = 11°09'47 Julian Calendar 1 June 1089 == Greg. Calendar 7 June 1089

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1089
geocentric

JULY 1089 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 59 46	14♋21'34	12♓ 4	29♋12	16♌ 5	1♈37	23♋ 3	13♊25	0°R46	13♋42	1°R31	5°R28	4♋54	25♑21	22°R30	S 1
M 2	19 3 43	15°18'48	24°18	1♌ 1	17°17	2° 9	23°17	13°32	0♈46	13°44	1♈30	5♋27	4°51	25°28	22♓29	M 2
T 3	19 7 40	16°16'04	6♈47	2°48	18°28	2°40	23°30	13°40	0°46	13°46	1°30	5°26	4°48	25°35	22°28	T 3
W 4	19 11 36	17°13'21	19°35	4°34	19°40	3°12	23°43	13°47	0°46	13°48	1°30	5°D26	4°45	25°41	22°28	W 4
T 5	19 15 33	18°10'38	2♉45	6°18	20°52	3°43	23°56	13°53	0°46	13°50	1°30	5°26	4°42	25°48	22°27	T 5
F 6	19 19 29	19° 7'57	16°20	8° 0	22° 4	4°13	24° 9	14° 0	0°45	13°53	1°30	5°27	4°38	25°55	22°26	F 6
S 7	19 23 26	20° 5'17	0♊20	9°40	23°15	4°44	24°23	14° 7	0°45	13°55	1°30	5°28	4°35	26° 1	22°25	S 7
S 8	19 27 22	21° 2'37	14°46	11°18	24°27	5°14	24°36	14°14	0°45	13°57	1°29	5°29	4°32	26° 8	22°24	S 8
M 9	19 31 19	21°59'59	29°35	12°55	25°38	5°43	24°49	14°21	0°44	13°59	1°29	5°R30	4°29	26°15	22°23	M 9
T 10	19 35 15	22°57'22	14♋39	14°30	26°50	6°12	25° 2	14°28	0°44	14° 2	1°29	5°30	4°26	26°21	22°22	T 10
W11	19 39 12	23°54'46	29°51	16° 4	28° 1	6°41	25°16	14°34	0°43	14° 4	1°28	5°29	4°23	26°28	22°21	W11
T 12	19 43 9	24°52'10	15♌ 1	17°35	29°13	7°10	25°29	14°41	0°43	14° 6	1°28	5°27	4°19	26°35	22°20	T 12
F 13	19 47 5	25°49'35	29°59	19° 5	0♍24	7°38	25°42	14°48	0°42	14° 8	1°28	5°24	4°16	26°41	22°19	F 13
S 14	19 51 2	26°47'01	14♍39	20°33	1°35	8° 5	25°55	14°54	0°42	14°10	1°27	5°22	4°13	26°48	22°17	S 14
S 15	19 54 58	27°44'28	28°53	21°59	2°47	8°33	26° 9	15° 1	0°41	14°13	1°27	5°19	4°10	26°54	22°16	S 15
M16	19 58 55	28°41'55	12♎41	23°23	3°58	9° 0	26°22	15° 7	0°40	14°15	1°26	5°18	4° 7	27° 1	22°15	M16
T 17	20 2 51	29°39'23	26° 2	24°46	5° 9	9°26	26°35	15°13	0°39	14°17	1°26	5°D17	4° 3	27° 8	22°13	T 17
W18	20 6 48	0♏36'52	8♏58	26° 7	6°20	9°52	26°49	15°20	0°39	14°19	1°26	5°17	4° 0	27°14	22°12	W18
T 19	20 10 44	1°34'22	21°33	27°25	7°31	10°17	27° 2	15°26	0°38	14°21	1°25	5°18	3°57	27°21	22°10	T 19
F 20	20 14 41	2°31'53	3♐51	28°42	8°42	10°42	27°15	15°32	0°37	14°23	1°25	5°20	3°54	27°28	22° 9	F 20
S 21	20 18 38	3°29'24	15°55	29°56	9°53	11° 7	27°28	15°38	0°36	14°26	1°24	5°21	3°51	27°34	22° 7	S 21
S 22	20 22 34	4°26'57	27°51	1♍ 9	11° 4	11°31	27°41	15°44	0°35	14°28	1°24	5°22	3°48	27°41	22° 6	S 22
M23	20 26 31	5°24'31	9♑42	2°19	12°15	11°55	27°55	15°50	0°34	14°30	1°23	5°R23	3°44	27°48	22° 4	M23
T 24	20 30 27	6°22'06	21°30	3°27	13°26	12°18	28° 8	15°56	0°33	14°32	1°22	5°21	3°41	27°54	22° 2	T 24
W25	20 34 24	7°19'42	3♒18	4°33	14°36	12°40	28°21	16° 2	0°32	14°34	1°22	5°19	3°38	28° 1	22° 1	W25
T 26	20 38 20	8°17'19	15°10	5°36	15°47	13° 2	28°34	16° 8	0°30	14°36	1°21	5°14	3°35	28° 8	21°59	T 26
F 27	20 42 17	9°14'58	27° 5	6°37	16°58	13°24	28°47	16°14	0°29	14°38	1°21	5° 9	3°32	28°14	21°57	F 27
S 28	20 46 13	10°12'38	9♓ 7	7°35	18° 8	13°45	29° 0	16°20	0°28	14°40	1°20	5° 3	3°29	28°21	21°55	S 28
S 29	20 50 10	11°10'19	21°18	8°30	19°19	14° 5	29°13	16°25	0°27	14°42	1°19	4°57	3°25	28°28	21°53	S 29
M30	20 54 7	12° 8'02	3♈38	9°23	20°29	14°25	29°27	16°31	0°25	14°44	1°19	4°51	3°22	28°34	21°51	M30
T 31	20 58 3	13♌ 5'46	16♈11	10♍12	21♍39	14♈44	29♋40	16♊36	0♈24	14♋46	1♈18	4♋47	3♋19	28♑41	21♓49	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n47	11s33	4s51	22n 7	1n45	17n39	1n38	2s32	3s28	22n 1	0n27	21n12	1s20	0s22	0s44	22n18	0s33	15s 4	17s 7	23n27	23n28	22s57	0n52	4n12
M 2	22 40	7 2	5 11	21 41	1 42	17 17	1 37	2 20	3 29	21 59	0 27	21 13	1 20	0 22	0 44	22 17	0 33	15 4	17 8	23 27	23 28	22 56	0 52	4 12
T 3	22 34	2 8	5 17	21 13	1 38	16 53	1 36	2 9	3 31	21 57	0 27	21 13	1 20	0 22	0 44	22 17	0 33	15 4	17 8	23 27	23 28	22 56	0 52	4 12
W 4	22 26	2n57	5 7	20 44	1 34	16 30	1 35	1 58	3 32	21 55	0 27	21 14	1 20	0 22	0 44	22 17	0 33	15 5	17 8	23 27	23 28	22 55	0 51	4 12
T 5	22 19	8 4	4 42	20 14	1 29	16 6	1 34	1 47	3 33	21 53	0 28	21 15	1 20	0 23	0 45	22 17	0 33	15 5	17 9	23 27	23 28	22 55	0 51	4 13
F 6	22 11	12 58	4 0	19 43	1 24	15 41	1 33	1 36	3 35	21 50	0 28	21 16	1 20	0 23	0 45	22 17	0 33	15 6	17 9	23 27	23 29	22 54	0 51	4 13
S 7	22 3	17 21	3 3	19 11	1 19	15 16	1 32	1 25	3 36	21 48	0 28	21 17	1 20	0 23	0 45	22 16	0 33	15 6	17 10	23 27	23 29	22 54	0 51	4 13
S 8	21 54	20 49	1 52	18 38	1 13	14 51	1 30	1 14	3 38	21 46	0 28	21 18	1 20	0 23	0 45	22 16	0 33	15 6	17 10	23 27	23 29	22 53	0 51	4 13
M 9	21 45	23 1	0 33	18 5	1 7	14 26	1 29	1 4	3 39	21 44	0 28	21 18	1 20	0 23	0 45	22 16	0 33	15 7	17 10	23 27	23 29	22 53	0 50	4 13
T 10	21 36	23 35	0n50	17 31	1 0	14 0	1 27	0 54	3 40	21 41	0 28	21 19	1 20	0 23	0 45	22 16	0 33	15 7	17 11	23 27	23 29	22 53	0 50	4 13
W11	21 26	22 25	2 11	16 57	0 53	13 33	1 25	0 43	3 42	21 39	0 28	21 20	1 20	0 24	0 45	22 15	0 33	15 8	17 11	23 27	23 29	22 52	0 50	4 13
T 12	21 16	19 37	3 21	16 22	0 46	13 7	1 24	0 33	3 43	21 37	0 28	21 21	1 20	0 24	0 45	22 15	0 33	15 8	17 11	23 27	23 29	22 52	0 49	4 14
F 13	21 5	15 32	4 17	15 46	0 38	12 40	1 22	0 23	3 44	21 34	0 28	21 21	1 20	0 24	0 45	22 15	0 33	15 9	17 12	23 27	23 29	22 51	0 49	4 14
S 14	20 54	10 36	4 55	15 11	0 30	12 12	1 20	0 14	3 46	21 32	0 28	21 22	1 20	0 24	0 45	22 15	0 33	15 9	17 12	23 27	23 29	22 51	0 49	4 14
S 15	20 43	5 14	5 13	14 35	0 21	11 45	1 18	0 4	3 47	21 29	0 28	21 23	1 20	0 25	0 45	22 15	0 33	15 10	17 12	23 27	23 29	22 50	0 48	4 14
M16	20 31	0s14	5 13	13 59	0 13	11 17	1 16	0n 5	3 48	21 27	0 29	21 23	1 20	0 25	0 45	22 14	0 33	15 10	17 13	23 27	23 30	22 50	0 48	4 14
T 17	20 19	5 31	4 55	13 24	0 4	10 49	1 14	0 15	3 49	21 25	0 29	21 24	1 20	0 25	0 45	22 14	0 33	15 10	17 13	23 27	23 30	22 49	0 48	4 14
W18	20 7	10 25	4 22	12 48	0s 5	10 20	1 12	0 24	3 51	21 22	0 29	21 25	1 20	0 26	0 45	22 14	0 33	15 11	17 13	23 27	23 30	22 49	0 47	4 14
T 19	19 54	14 44	3 38	12 12	0 15	9 52	1 9	0 32	3 52	21 20	0 29	21 25	1 20	0 26	0 45	22 14	0 33	15 11	17 14	23 27	23 30	22 48	0 47	4 15
F 20	19 41	18 20	2 45	11 36	0 24	9 23	1 7	0 41	3 53	21 17	0 29	21 26	1 20	0 27	0 45	22 13	0 33	15 12	17 14	23 27	23 30	22 47	0 46	4 15
S 21	19 28	21 4	1 45	11 1	0 34	8 54	1 5	0 50	3 54	21 15	0 29	21 27	1 20	0 27	0 45	22 13	0 33	15 12	17 14	23 27	23 30	22 47	0 46	4 15
S 22	19 15	22 51	0 41	10 26	0 44	8 25	1 2	0 58	3 55	21 12	0 29	21 27	1 21	0 27	0 45	22 13	0 33	15 13	17 15	23 27	23 30	22 46	0 45	4 15
M23	19 1	23 36	0s24	9 52	0 54	7 55	1 0	1 6	3 57	21 9	0 29	21 28	1 21	0 28	0 45	22 13	0 33	15 13	17 15	23 27	23 30	22 46	0 45	4 15
T 24	18 46	23 16	1 27	9 17	1 4	7 25	0 57	1 14	3 58	21 7	0 29	21 29	1 21	0 28	0 45	22 13	0 33	15 14	17 15	23 27	23 30	22 45	0 44	4 15
W25	18 32	21 54	2 27	8 44	1 15	6 55	0 54	1 22	3 59	21 4	0 29	21 29	1 21	0 29	0 45	22 12	0 33	15 14	17 16	23 27	23 30	22 45	0 43	4 15
T 26	18 17	19 33	3 20	8 11	1 25	6 25	0 51	1 29	4 0	21 2	0 29	21 30	1 21	0 29	0 45	22 12	0 33	15 15	17 16	23 27	23 31	22 44	0 43	4 15
F 27	18 2	16 23	4 5	7 39	1 36	5 55	0 49	1 37	4 1	20 59	0 30	21 30	1 21	0 30	0 45	22 12	0 33	15 16	17 16	23 27	23 31	22 44	0 42	4 16
S 28	17 46	12 30	4 40	7 7	1 46	5 25	0 46	1 44	4 2	20 57	0 30	21 31	1 21	0 30	0 45	22 12	0 33	15 16	17 16	23 28	23 31	22 43	0 42	4 16
S 29	17 30	8 5	5 2	6 37	1 57	4 54	0 43	1 51	4 3	20 54	0 30	21 31	1 21	0 31	0 45	22 11	0 33	15 17	17 17	23 28	23 31	22 42	0 41	4 16
M30	17 14	3 18	5 11	6 7	2 8	4 24	0 39	1 58	4 4	20 51	0 30	21 32	1 21	0 31	0 45	22 11	0 33	15 17	17 17	23 28	23 31	22 42	0 40	4 16
T 31	16n58	1n43	5s 5	5n39	2s18	3n53	0n36	2n 4	4s 5	20n49	0n30	21n32	1s21	0s32	0s45	22n11	0s33	15s18	17s17	23n28	23n31	22s41	0n39	4n16

Julian Day Number = 2118996.5, Delta T = 18m17s
Ecliptic obliquity = 23°33'25, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°02'51, Lahiri = 11°09'51 Julian Calendar 1 July 1089 == Greg. Calendar 7 July 1089

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1089
geocentric

AUGUST 1089 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 2 0	14♌ 3'33	29♈ 0	10♍58	22♍50	15♈ 3	29♋53	16♊42	0°R22	14♋48	1°R17	4°R44	3♋16	28♉48	21°R47	W 1
T 2	21 5 56	15° 1'21	12♉ 6	11°40	24° 0	15°21	0♌ 6	16°47	0♈21	14°50	1♈16	4°D43	3°13	28°54	21♓45	T 2
F 3	21 9 53	15°59'11	25°33	12°19	25°10	15°38	0°19	16°52	0°19	14°52	1°16	4♋43	3° 9	29° 1	21°43	F 3
S 4	21 13 49	16°57'02	9♊23	12°53	26°20	15°55	0°32	16°57	0°18	14°54	1°15	4°44	3° 6	29° 8	21°41	S 4
S 5	21 17 46	17°54'56	23°36	13°24	27°30	16°11	0°45	17° 3	0°16	14°56	1°14	4°45	3° 3	29°14	21°39	S 5
M 6	21 21 42	18°52'52	8♋12	13°50	28°40	16°26	0°58	17° 8	0°15	14°58	1°13	4°R46	3° 0	29°21	21°36	M 6
T 7	21 25 39	19°50'49	23° 6	14°12	29°50	16°41	1°10	17°13	0°13	15° 0	1°12	4°44	2°57	29°28	21°34	T 7
W 8	21 29 36	20°48'48	8♌11	14°28	0♎59	16°55	1°23	17°18	0°11	15° 2	1°12	4°41	2°54	29°34	21°32	W 8
T 9	21 33 32	21°46'48	23°20	14°39	2° 9	17° 8	1°36	17°22	0°10	15° 4	1°11	4°36	2°50	29°41	21°30	T 9
F 10	21 37 29	22°44'51	8♍23	14°45	3°19	17°21	1°49	17°27	0° 8	15° 6	1°10	4°29	2°47	29°48	21°27	F 10
S 11	21 41 25	23°42'54	23° 9	14°R46	4°28	17°33	2° 2	17°32	0° 6	15° 7	1° 9	4°21	2°44	29°54	21°25	S 11
S 12	21 45 22	24°41'00	7♎32	14°40	5°38	17°44	2°14	17°36	0° 4	15° 9	1° 8	4°14	2°41	0♒ 1	21°22	S 12
M13	21 49 18	25°39'06	21°27	14°28	6°47	17°54	2°27	17°41	0° 2	15°11	1° 7	4° 8	2°38	0° 8	21°20	M13
T 14	21 53 15	26°37'15	4♏53	14°10	7°56	18° 3	2°40	17°45	0° 1	15°13	1° 6	4° 4	2°35	0°14	21°17	T 14
W15	21 57 11	27°35'24	17°52	13°45	9° 6	18°12	2°52	17°49	29♓59	15°15	1° 5	4° 1	2°31	0°21	21°15	W15
T 16	22 1 8	28°33'36	0♐27	13°14	10°15	18°20	3° 5	17°54	29°57	15°16	1° 4	4°D 1	2°28	0°28	21°12	T 16
F 17	22 5 5	29°31'48	12°42	12°38	11°24	18°27	3°17	17°58	29°55	15°18	1° 3	4° 2	2°25	0°34	21°10	F 17
S 18	22 9 1	0♑30'03	24°44	11°55	12°33	18°33	3°30	18° 2	29°53	15°20	1° 2	4° 2	2°22	0°41	21° 7	S 18
S 19	22 12 58	1°28'19	6♉36	11° 7	13°41	18°38	3°42	18° 6	29°51	15°21	1° 1	4°R 3	2°19	0°48	21° 5	S 19
M20	22 16 54	2°26'36	18°24	10°14	14°50	18°43	3°55	18°10	29°49	15°23	1° 0	4° 2	2°15	0°54	21° 2	M20
T 21	22 20 51	3°24'56	0♒12	9°18	15°59	18°47	4° 7	18°13	29°47	15°25	0°59	3°58	2°12	1° 1	21° 0	T 21
W22	22 24 47	4°23'16	12° 3	8°18	17° 7	18°50	4°19	18°17	29°44	15°26	0°58	3°52	2° 9	1° 8	20°57	W22
T 23	22 28 44	5°21'39	24° 0	7°17	18°16	18°52	4°32	18°21	29°42	15°28	0°57	3°44	2° 6	1°14	20°54	T 23
F 24	22 32 40	6°20'04	6♓ 5	6°16	19°24	18°53	4°44	18°24	29°40	15°30	0°56	3°34	2° 3	1°21	20°52	F 24
S 25	22 36 37	7°18'30	18°18	5°16	20°32	18°R53	4°56	18°28	29°38	15°31	0°55	3°22	2° 0	1°28	20°49	S 25
S 26	22 40 33	8°16'58	0♈42	4°18	21°40	18°52	5° 8	18°31	29°36	15°33	0°54	3°10	1°56	1°34	20°46	S 26
M27	22 44 30	9°15'28	13°16	3°24	22°48	18°51	5°20	18°34	29°34	15°34	0°53	2°59	1°53	1°41	20°43	M27
T 28	22 48 27	10°14'01	26° 1	2°36	23°56	18°49	5°32	18°37	29°31	15°35	0°52	2°50	1°50	1°48	20°41	T 28
W29	22 52 23	11°12'35	8♉59	1°54	25° 4	18°45	5°44	18°40	29°29	15°37	0°51	2°44	1°47	1°54	20°38	W29
T 30	22 56 20	12°11'12	22°10	1°19	26°11	18°41	5°56	18°43	29°27	15°38	0°50	2°40	1°44	2° 1	20°35	T 30
F 31	23 0 16	13♍ 9'52	5♊36	0♍54	27♎19	18♈36	6♌ 8	18♊46	29♓24	15♋40	0♈49	2♋38	1♋40	2♒ 8	20♓32	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n41	6n45	4s43	5n12	2s29	3n22	0n33	2n10	4s 6	20n46	0n30	21n33	1s21	0s33	0s45	22n11	0s33	15s18	17s18	23n28	23n31	22s41	0n39	4n16
T 2	16 25	11 37	4 7	4 46	2 40	2 51	0 30	2 16	4 7	20 43	0 30	21 33	1 21	0 33	0 45	22 11	0 33	15 19	17 18	23 28	23 31	22 40	0 38	4 16
F 3	16 7	16 4	3 17	4 21	2 50	2 20	0 26	2 22	4 8	20 41	0 30	21 34	1 21	0 34	0 45	22 10	0 33	15 19	17 18	23 28	23 31	22 39	0 37	4 16
S 4	15 50	19 46	2 13	3 59	3 0	1 49	0 23	2 28	4 9	20 38	0 30	21 34	1 21	0 34	0 45	22 10	0 33	15 20	17 18	23 28	23 31	22 39	0 37	4 16
S 5	15 32	22 24	1 0	3 38	3 10	1 18	0 20	2 33	4 10	20 35	0 31	21 35	1 21	0 35	0 45	22 10	0 33	15 20	17 19	23 28	23 31	22 38	0 36	4 16
M 6	15 14	23 37	0n19	3 19	3 20	0 47	0 16	2 38	4 11	20 32	0 31	21 35	1 21	0 36	0 45	22 10	0 33	15 21	17 19	23 28	23 31	22 37	0 35	4 17
T 7	14 56	23 10	1 38	3 2	3 29	0 16	0 12	2 43	4 11	20 30	0 31	21 36	1 21	0 36	0 45	22 9	0 33	15 21	17 19	23 28	23 31	22 37	0 34	4 17
W 8	14 38	21 3	2 51	2 47	3 38	0s16	0 9	2 48	4 12	20 27	0 31	21 36	1 21	0 37	0 45	22 9	0 33	15 22	17 19	23 28	23 32	22 36	0 33	4 17
T 9	14 19	17 27	3 52	2 35	3 46	0 47	0 5	2 52	4 13	20 24	0 31	21 36	1 21	0 38	0 46	22 9	0 33	15 23	17 20	23 29	23 32	22 36	0 32	4 17
F 10	14 0	12 44	4 36	2 26	3 54	1 18	0 1	2 56	4 13	20 21	0 31	21 37	1 21	0 39	0 46	22 9	0 33	15 23	17 20	23 29	23 32	22 35	0 32	4 17
S 11	13 41	7 21	5 2	2 19	4 1	1 49	0s 2	3 0	4 14	20 19	0 31	21 37	1 21	0 39	0 46	22 9	0 33	15 24	17 20	23 29	23 32	22 34	0 31	4 17
S 12	13 22	1 42	5 7	2 16	4 7	2 21	0 6	3 4	4 15	20 16	0 31	21 38	1 21	0 40	0 46	22 8	0 33	15 24	17 20	23 29	23 32	22 34	0 30	4 17
M13	13 2	3s52	4 54	2 16	4 13	2 52	0 10	3 7	4 15	20 13	0 31	21 38	1 21	0 41	0 46	22 8	0 33	15 25	17 21	23 30	23 32	22 33	0 29	4 17
T 14	12 42	9 4	4 24	2 19	4 17	3 23	0 14	3 11	4 16	20 10	0 32	21 38	1 21	0 42	0 46	22 8	0 33	15 25	17 21	23 30	23 32	22 32	0 28	4 17
W15	12 22	13 41	3 42	2 25	4 20	3 54	0 18	3 13	4 16	20 8	0 32	21 39	1 22	0 42	0 46	22 8	0 33	15 26	17 21	23 30	23 32	22 32	0 27	4 17
T 16	12 2	17 34	2 51	2 36	4 21	4 25	0 22	3 16	4 16	20 5	0 32	21 39	1 22	0 43	0 46	22 8	0 33	15 27	17 21	23 30	23 32	22 31	0 26	4 17
F 17	11 42	20 35	1 52	2 50	4 21	4 56	0 26	3 18	4 17	20 2	0 32	21 39	1 22	0 44	0 46	22 7	0 33	15 27	17 21	23 30	23 32	22 30	0 25	4 17
S 18	11 21	22 37	0 50	3 8	4 19	5 27	0 30	3 21	4 17	19 59	0 32	21 40	1 22	0 45	0 46	22 7	0 33	15 28	17 22	23 30	23 32	22 29	0 24	4 17
S 19	11 0	23 37	0s14	3 29	4 16	5 58	0 35	3 22	4 17	19 56	0 32	21 40	1 22	0 46	0 46	22 7	0 33	15 28	17 22	23 30	23 32	22 29	0 23	4 17
M20	10 39	23 33	1 16	3 54	4 11	6 28	0 39	3 24	4 17	19 54	0 32	21 40	1 22	0 46	0 46	22 7	0 33	15 29	17 22	23 30	23 32	22 28	0 22	4 17
T 21	10 18	22 25	2 15	4 22	4 3	6 59	0 43	3 25	4 18	19 51	0 32	21 40	1 22	0 47	0 46	22 7	0 33	15 29	17 22	23 30	23 32	22 27	0 21	4 17
W22	9 57	20 17	3 9	4 53	3 54	7 29	0 47	3 26	4 18	19 48	0 33	21 41	1 22	0 48	0 46	22 6	0 33	15 30	17 22	23 30	23 32	22 27	0 20	4 17
T 23	9 35	17 16	3 54	5 26	3 43	7 59	0 52	3 27	4 18	19 45	0 33	21 41	1 22	0 49	0 46	22 6	0 33	15 30	17 23	23 30	23 32	22 26	0 19	4 17
F 24	9 14	13 29	4 29	6 1	3 30	8 29	0 56	3 28	4 17	19 42	0 33	21 41	1 22	0 50	0 46	22 6	0 33	15 31	17 23	23 31	23 32	22 25	0 18	4 17
S 25	8 52	9 8	4 52	6 36	3 15	8 59	1 0	3 28	4 17	19 40	0 33	21 41	1 22	0 51	0 46	22 6	0 33	15 32	17 23	23 31	23 33	22 24	0 17	4 17
S 26	8 30	4 20	5 2	7 13	2 58	9 29	1 4	3 28	4 17	19 37	0 33	21 42	1 22	0 52	0 46	22 6	0 33	15 32	17 23	23 31	23 33	22 24	0 16	4 17
M27	8 8	0n41	4 58	7 49	2 41	9 58	1 9	3 28	4 17	19 34	0 33	21 42	1 22	0 53	0 46	22 6	0 33	15 33	17 23	23 31	23 33	22 23	0 15	4 17
T 28	7 46	5 46	4 39	8 23	2 22	10 28	1 13	3 27	4 16	19 31	0 33	21 42	1 22	0 53	0 46	22 5	0 33	15 33	17 23	23 32	23 33	22 22	0 14	4 17
W29	7 24	10 42	4 5	8 56	2 3	10 57	1 18	3 27	4 16	19 28	0 33	21 42	1 22	0 54	0 46	22 5	0 33	15 34	17 23	23 32	23 33	22 21	0 13	4 17
T 30	7 1	15 13	3 17	9 27	1 43	11 26	1 22	3 26	4 15	19 25	0 34	21 42	1 22	0 55	0 46	22 5	0 33	15 34	17 24	23 32	23 33	22 20	0 11	4 17
F 31	6n39	19n 4	2s18	9n55	1s24	11s55	1s26	3n24	4s14	19n23	0n34	21n43	1s23	0s56	0s46	22n 5	0s33	15s35	17s24	23n32	23n33	22s20	0n10	4n17

Julian Day Number = 2119027.5, Delta T = 18m17s
Ecliptic obliquity = 23°33'26, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°02'55, Lahiri = 11°09'56 Julian Calendar 1 Aug. 1089 == Greg. Calendar 7 Aug. 1089

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1089
geocentric

SEPTEMBER 1089 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 4 13	14♍ 8'33	19♊18	0°R37	28♎26	18°R30	6♌19	18♊49	29°R22	15♋41	0°R48	2°D38	1♋37	2♒14	20°R30	S 1
S 2	23 8 9	15° 7'17	3♋19	0°D30	29°33	18♈24	6°31	18°51	29♓20	15°42	0♈47	2°R38	1°34	2°21	20♓27	S 2
M 3	23 12 6	16° 6'03	17°37	0♍33	0♏40	18°16	6°43	18°54	29°18	15°44	0°46	2♋38	1°31	2°28	20°24	M 3
T 4	23 16 2	17° 4'52	2♌12	0°46	1°47	18° 7	6°54	18°56	29°15	15°45	0°44	2°35	1°28	2°34	20°21	T 4
W 5	23 19 59	18° 3'42	16°59	1° 8	2°54	17°58	7° 6	18°59	29°13	15°46	0°43	2°29	1°25	2°41	20°18	W 5
T 6	23 23 56	19° 2'35	1♍52	1°40	4° 0	17°48	7°17	19° 1	29°10	15°47	0°42	2°21	1°21	2°48	20°16	T 6
F 7	23 27 52	20° 1'30	16°42	2°21	5° 7	17°37	7°28	19° 3	29° 8	15°49	0°41	2°11	1°18	2°54	20°13	F 7
S 8	23 31 49	21° 0'27	1♎21	3°11	6°13	17°25	7°40	19° 5	29° 6	15°50	0°40	1°59	1°15	3° 1	20°10	S 8
S 9	23 35 45	21°59'26	15°41	4° 8	7°19	17°12	7°51	19° 7	29° 3	15°51	0°39	1°48	1°12	3° 8	20° 7	S 9
M10	23 39 42	22°58'27	29°36	5°13	8°25	16°59	8° 2	19° 9	29° 1	15°52	0°38	1°38	1° 9	3°14	20° 4	M10
T 11	23 43 38	23°57'30	13♏ 5	6°24	9°31	16°45	8°13	19°10	28°58	15°53	0°36	1°30	1° 6	3°21	20° 2	T 11
W12	23 47 35	24°56'34	26° 6	7°41	10°37	16°31	8°24	19°12	28°56	15°54	0°35	1°25	1° 2	3°28	19°59	W12
T 13	23 51 31	25°55'41	8♐43	9° 3	11°42	16°15	8°35	19°13	28°54	15°55	0°34	1°23	0°59	3°34	19°56	T 13
F 14	23 55 28	26°54'50	21° 0	10°30	12°47	15°59	8°45	19°15	28°51	15°56	0°33	1°22	0°56	3°41	19°53	F 14
S 15	23 59 25	27°54'00	3♑ 2	12° 0	13°52	15°43	8°56	19°16	28°49	15°57	0°32	1°22	0°53	3°48	19°50	S 15
S 16	0 3 21	28°53'12	14°55	13°34	14°57	15°26	9° 7	19°17	28°46	15°58	0°31	1°21	0°50	3°54	19°48	S 16
M17	0 7 18	29°52'26	26°43	15°10	16° 2	15° 8	9°17	19°18	28°44	15°59	0°29	1°20	0°46	4° 1	19°45	M17
T 18	0 11 14	0♎51'41	8♒33	16°49	17° 6	14°50	9°28	19°19	28°41	16° 0	0°28	1°15	0°43	4° 8	19°42	T 18
W19	0 15 11	1°50'59	20°27	18°29	18°10	14°32	9°38	19°20	28°39	16° 1	0°27	1° 9	0°40	4°14	19°39	W19
T 20	0 19 7	2°50'18	2♓31	20°11	19°14	14°13	9°48	19°20	28°37	16° 1	0°26	0°59	0°37	4°21	19°37	T 20
F 21	0 23 4	3°49'40	14°45	21°54	20°18	13°54	9°58	19°21	28°34	16° 2	0°25	0°47	0°34	4°28	19°34	F 21
S 22	0 27 0	4°49'03	27°13	23°37	21°21	13°35	10° 8	19°21	28°32	16° 3	0°24	0°33	0°31	4°34	19°31	S 22
S 23	0 30 57	5°48'28	9♈53	25°21	22°24	13°16	10°18	19°22	28°29	16° 4	0°22	0°20	0°27	4°41	19°29	S 23
M24	0 34 53	6°47'56	22°46	27° 5	23°27	12°56	10°28	19°22	28°27	16° 4	0°21	0° 7	0°24	4°48	19°26	M24
T 25	0 38 50	7°47'25	5♉52	28°50	24°30	12°36	10°38	19°22	28°24	16° 5	0°20	29♊56	0°21	4°54	19°23	T 25
W26	0 42 47	8°46'57	19° 8	0♎34	25°32	12°17	10°48	19°R22	28°22	16° 6	0°19	29°48	0°18	5° 1	19°21	W26
T 27	0 46 43	9°46'31	2♊34	2°18	26°34	11°57	10°57	19°22	28°20	16° 6	0°18	29°43	0°15	5° 8	19°18	T 27
F 28	0 50 40	10°46'08	16°10	4° 2	27°36	11°37	11° 7	19°22	28°17	16° 7	0°17	29°41	0°11	5°14	19°16	F 28
S 29	0 54 36	11°45'47	29°56	5°45	28°38	11°17	11°16	19°21	28°15	16° 7	0°15	29°D40	0° 8	5°21	19°13	S 29
S 30	0 58 33	12♎45'28	13♋53	7♎29	29♏39	10♈58	11♌25	19♊21	28♓13	16♋ 8	0♈14	29°R41	0♋ 5	5♒28	19♓11	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n16	21n57	1s10	10n19	1s 4	12s23	1s31	3n23	4s14	19n20	0n34	21n43	1s23	0s57	0s46	22n 5	0s33	15s35	17s24	23n32	23n33	22s19	0n 9	4n17
S 2	5 53	23 35	0n 4	10 39	0 45	12 51	1 35	3 21	4 13	19 17	0 34	21 43	1 23	0 58	0 46	22 5	0 33	15 36	17 24	23 32	23 33	22 18	0 8	4 17
M 3	5 31	23 41	1 19	10 55	0 26	13 19	1 40	3 19	4 12	19 14	0 34	21 43	1 23	0 59	0 46	22 4	0 33	15 37	17 24	23 32	23 33	22 17	0 7	4 17
T 4	5 8	22 12	2 30	11 8	0 8	13 47	1 44	3 17	4 11	19 12	0 34	21 43	1 23	1 0	0 46	22 4	0 33	15 37	17 24	23 32	23 33	22 16	0 6	4 17
W 5	4 45	19 11	3 32	11 15	0n 8	14 14	1 49	3 14	4 9	19 9	0 34	21 43	1 23	1 1	0 46	22 4	0 33	15 38	17 24	23 32	23 33	22 16	0 5	4 17
T 6	4 21	14 54	4 20	11 18	0 24	14 41	1 53	3 12	4 8	19 6	0 35	21 43	1 23	1 2	0 46	22 4	0 33	15 38	17 24	23 32	23 33	22 15	0 4	4 17
F 7	3 58	9 44	4 50	11 17	0 38	15 8	1 57	3 9	4 7	19 3	0 35	21 43	1 23	1 3	0 46	22 4	0 33	15 39	17 24	23 32	23 33	22 14	0 2	4 17
S 8	3 35	4 4	5 1	11 11	0 51	15 34	2 2	3 6	4 5	19 0	0 35	21 44	1 23	1 4	0 46	22 4	0 33	15 39	17 24	23 33	23 33	22 13	0 1	4 17
S 9	3 12	1s42	4 52	11 1	1 3	16 1	2 6	3 2	4 4	18 58	0 35	21 44	1 23	1 5	0 46	22 4	0 33	15 40	17 24	23 33	23 33	22 12	0 0	4 17
M10	2 48	7 14	4 26	10 47	1 14	16 26	2 11	2 59	4 2	18 55	0 35	21 44	1 23	1 6	0 46	22 3	0 33	15 40	17 25	23 33	23 33	22 12	0s 1	4 17
T 11	2 25	12 15	3 46	10 30	1 23	16 52	2 15	2 55	4 0	18 52	0 35	21 44	1 23	1 7	0 46	22 3	0 33	15 41	17 25	23 33	23 33	22 11	0 2	4 17
W12	2 1	16 32	2 55	10 8	1 31	17 17	2 19	2 52	3 58	18 50	0 36	21 44	1 23	1 8	0 46	22 3	0 33	15 41	17 25	23 33	23 33	22 10	0 3	4 17
T 13	1 38	19 56	1 57	9 44	1 38	17 42	2 24	2 48	3 56	18 47	0 36	21 44	1 23	1 9	0 46	22 3	0 33	15 42	17 25	23 33	23 33	22 9	0 5	4 16
F 14	1 14	22 21	0 55	9 16	1 44	18 6	2 28	2 44	3 54	18 44	0 36	21 44	1 23	1 10	0 46	22 3	0 33	15 42	17 25	23 33	23 33	22 8	0 6	4 16
S 15	0 50	23 40	0s 9	8 45	1 48	18 30	2 32	2 39	3 51	18 41	0 36	21 44	1 24	1 11	0 46	22 3	0 33	15 43	17 25	23 33	23 33	22 7	0 7	4 16
S 16	0 27	23 54	1 11	8 12	1 52	18 53	2 36	2 35	3 49	18 39	0 36	21 44	1 24	1 12	0 46	22 3	0 33	15 43	17 25	23 33	23 33	22 6	0 8	4 16
M17	0 3	23 2	2 10	7 37	1 54	19 17	2 41	2 31	3 47	18 36	0 36	21 44	1 24	1 13	0 46	22 3	0 33	15 44	17 25	23 33	23 33	22 5	0 9	4 16
T 18	0s21	21 10	3 3	7 0	1 56	19 39	2 45	2 26	3 44	18 34	0 37	21 44	1 24	1 13	0 46	22 2	0 33	15 44	17 25	23 33	23 33	22 5	0 10	4 16
W19	0 44	18 21	3 49	6 21	1 56	20 1	2 49	2 22	3 41	18 31	0 37	21 44	1 24	1 14	0 46	22 2	0 33	15 45	17 25	23 33	23 33	22 4	0 12	4 16
T 20	1 8	14 44	4 24	5 41	1 56	20 23	2 53	2 17	3 38	18 28	0 37	21 44	1 24	1 15	0 46	22 2	0 33	15 45	17 25	23 33	23 33	22 3	0 13	4 16
F 21	1 32	10 28	4 48	5 0	1 55	20 45	2 57	2 12	3 35	18 26	0 37	21 44	1 24	1 16	0 46	22 2	0 33	15 45	17 25	23 33	23 33	22 2	0 14	4 16
S 22	1 55	5 41	4 59	4 17	1 54	21 6	3 1	2 8	3 32	18 23	0 37	21 44	1 24	1 17	0 46	22 2	0 33	15 46	17 25	23 33	23 33	22 1	0 15	4 15
S 23	2 19	0 36	4 56	3 34	1 51	21 26	3 5	2 3	3 29	18 21	0 37	21 44	1 24	1 18	0 46	22 2	0 33	15 46	17 25	23 33	23 33	22 0	0 16	4 15
M24	2 43	4n37	4 37	2 50	1 49	21 46	3 8	1 58	3 26	18 18	0 38	21 44	1 24	1 19	0 46	22 2	0 33	15 47	17 25	23 33	23 33	21 59	0 18	4 15
T 25	3 6	9 42	4 4	2 5	1 46	22 5	3 12	1 54	3 22	18 16	0 38	21 44	1 24	1 20	0 46	22 2	0 33	15 47	17 25	23 33	23 33	21 58	0 19	4 15
W26	3 30	14 26	3 17	1 20	1 42	22 24	3 16	1 49	3 19	18 13	0 38	21 44	1 24	1 21	0 46	22 2	0 33	15 48	17 24	23 33	23 33	21 57	0 20	4 15
T 27	3 53	18 31	2 18	0 35	1 38	22 43	3 19	1 45	3 16	18 11	0 38	21 44	1 24	1 22	0 46	22 2	0 33	15 48	17 24	23 33	23 33	21 56	0 21	4 15
F 28	4 17	21 40	1 11	0s11	1 33	23 1	3 23	1 40	3 12	18 8	0 38	21 44	1 24	1 23	0 46	22 2	0 33	15 48	17 24	23 33	23 33	21 55	0 22	4 15
S 29	4 40	23 35	0n 1	0 57	1 29	23 18	3 26	1 36	3 8	18 6	0 38	21 43	1 24	1 24	0 46	22 1	0 33	15 49	17 24	23 33	23 33	21 54	0 23	4 14
S 30	5s 4	24n 4	1n15	1s42	1n24	23s35	3s30	1n32	3s 5	18n 3	0n39	21n43	1s25	1s25	0s46	22n 1	0s33	15s49	17s24	23n33	23n33	21s53	0s24	4n14

Julian Day Number = 2119058.5, Delta T = 18m16s
Ecliptic obliquity = 23°33'26, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°02'59, Lahiri = 11°10'00 Julian Calendar 1 Sept. 1089 == Greg. Calendar 7 Sept. 1089

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1089
geocentric

OCTOBER 1089 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 2 29	13♎45'11	27♋59	9♎11	0♐40	10°R38	11♌34	19°R20	28°R10	16♋ 8	0°R13	29°R40	0♋ 2	5♒34	19°R 8	M 1
T 2	1 6 26	14°44'57	12♌16	10°54	1°40	10♈19	11°43	19♊20	28♓ 8	16° 8	0♈12	29♊37	29♊59	5°41	19♓ 6	T 2
W 3	1 10 22	15°44'45	26°40	12°35	2°40	10° 0	11°52	19°19	28° 6	16° 9	0°11	29°32	29°56	5°48	19° 3	W 3
T 4	1 14 19	16°44'36	11♍ 7	14°17	3°40	9°41	12° 1	19°18	28° 3	16° 9	0°10	29°24	29°52	5°54	19° 1	T 4
F 5	1 18 16	17°44'28	25°32	15°57	4°39	9°23	12°10	19°17	28° 1	16°10	0° 9	29°14	29°49	6° 1	18°58	F 5
S 6	1 22 12	18°44'23	9♎50	17°38	5°38	9° 5	12°18	19°16	27°59	16°10	0° 8	29° 3	29°46	6° 8	18°56	S 6
S 7	1 26 9	19°44'19	23°53	19°17	6°37	8°48	12°27	19°15	27°57	16°10	0° 6	28°52	29°43	6°14	18°54	S 7
M 8	1 30 5	20°44'18	7♏37	20°56	7°35	8°31	12°35	19°13	27°55	16°10	0° 5	28°42	29°40	6°21	18°52	M 8
T 9	1 34 2	21°44'18	20°59	22°35	8°33	8°15	12°43	19°12	27°52	16°10	0° 4	28°34	29°37	6°28	18°49	T 9
W10	1 37 58	22°44'21	3♐58	24°13	9°30	7°59	12°51	19°10	27°50	16°10	0° 3	28°28	29°33	6°34	18°47	W10
T 11	1 41 55	23°44'25	16°35	25°51	10°27	7°44	12°59	19° 9	27°48	16°11	0° 2	28°26	29°30	6°41	18°45	T 11
F 12	1 45 51	24°44'30	28°53	27°28	11°23	7°29	13° 7	19° 7	27°46	16°11	0° 1	28°D25	29°27	6°48	18°43	F 12
S 13	1 49 48	25°44'38	10♑56	29° 5	12°19	7°15	13°14	19° 5	27°44	16°R11	0° 0	28°25	29°24	6°54	18°41	S 13
S 14	1 53 45	26°44'47	22°50	0♏41	13°14	7° 2	13°22	19° 3	27°42	16°11	29♓59	28°R26	29°21	7° 1	18°39	S 14
M15	1 57 41	27°44'57	4♒40	2°16	14° 9	6°50	13°29	19° 1	27°40	16°11	29°58	28°26	29°17	7° 8	18°37	M15
T 16	2 1 38	28°45'09	16°30	3°52	15° 3	6°38	13°36	18°59	27°38	16°11	29°57	28°24	29°14	7°14	18°35	T 16
W17	2 5 34	29°45'23	28°27	5°27	15°56	6°27	13°43	18°57	27°36	16°10	29°56	28°20	29°11	7°21	18°33	W17
T 18	2 9 31	0♏45'38	10♓34	7° 1	16°49	6°17	13°50	18°54	27°34	16°10	29°55	28°13	29° 8	7°28	18°31	T 18
F 19	2 13 27	1°45'55	22°56	8°35	17°41	6° 8	13°57	18°52	27°32	16°10	29°54	28° 5	29° 5	7°34	18°29	F 19
S 20	2 17 24	2°46'13	5♈34	10° 9	18°33	5°59	14° 4	18°49	27°30	16°10	29°53	27°55	29° 2	7°41	18°27	S 20
S 21	2 21 20	3°46'33	18°29	11°43	19°24	5°51	14°10	18°46	27°28	16°10	29°52	27°45	28°58	7°48	18°25	S 21
M22	2 25 17	4°46'55	1♉42	13°16	20°14	5°44	14°16	18°44	27°27	16° 9	29°51	27°35	28°55	7°54	18°24	M22
T 23	2 29 14	5°47'18	15°10	14°48	21° 3	5°38	14°23	18°41	27°25	16° 9	29°50	27°27	28°52	8° 1	18°22	T 23
W24	2 33 10	6°47'43	28°51	16°21	21°51	5°33	14°29	18°38	27°23	16° 9	29°49	27°22	28°49	8° 8	18°20	W24
T 25	2 37 7	7°48'10	12♊42	17°53	22°39	5°28	14°34	18°35	27°22	16° 8	29°48	27°18	28°46	8°14	18°19	T 25
F 26	2 41 3	8°48'39	26°40	19°25	23°26	5°24	14°40	18°32	27°20	16° 8	29°48	27°D17	28°43	8°21	18°17	F 26
S 27	2 45 0	9°49'10	10♋44	20°57	24°12	5°21	14°46	18°28	27°18	16° 7	29°47	27°18	28°39	8°28	18°16	S 27
S 28	2 48 56	10°49'42	24°50	22°28	24°56	5°19	14°51	18°25	27°17	16° 7	29°46	27°19	28°36	8°34	18°14	S 28
M29	2 52 53	11°50'17	8♌57	23°59	25°40	5°18	14°56	18°22	27°15	16° 6	29°45	27°R20	28°33	8°41	18°13	M29
T 30	2 56 49	12°50'53	23° 5	25°30	26°23	5°D17	15° 1	18°18	27°14	16° 6	29°44	27°20	28°30	8°48	18°12	T 30
W31	3 0 46	13♏51'31	7♍12	27♏ 0	27♐ 5	5♈17	15♌ 6	18♊15	27♓12	16♋ 5	29♓43	27♊17	28♊27	8♒54	18♓10	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s27	23n 1	2n24	2s28	1n18	23s51	3s33	1n28	3s 1	18n 1	0n39	21n43	1s25	1s26	0s46	22n 1	0s34	15s49	17s24	23n33	23n33	21s52	0s25	4n14
T 2	5 50	20 29	3 25	3 13	1 13	24 7	3 36	1 24	2 57	17 59	0 39	21 43	1 25	1 27	0 46	22 1	0 34	15 50	17 24	23 33	23 33	21 51	0 27	4 14
W 3	6 14	16 40	4 14	3 58	1 7	24 22	3 39	1 20	2 53	17 56	0 39	21 43	1 25	1 28	0 46	22 1	0 34	15 50	17 24	23 33	23 33	21 50	0 28	4 14
T 4	6 37	11 51	4 47	4 43	1 1	24 37	3 42	1 16	2 49	17 54	0 39	21 43	1 25	1 28	0 46	22 1	0 34	15 51	17 24	23 33	23 33	21 49	0 29	4 14
F 5	7 0	6 23	5 1	5 28	0 55	24 51	3 45	1 13	2 45	17 52	0 40	21 43	1 25	1 29	0 46	22 1	0 34	15 51	17 24	23 33	23 33	21 48	0 30	4 13
S 6	7 23	0 38	4 57	6 12	0 49	25 5	3 48	1 9	2 41	17 50	0 40	21 43	1 25	1 30	0 46	22 1	0 34	15 51	17 24	23 33	23 33	21 47	0 31	4 13
S 7	7 45	5s 4	4 34	6 56	0 42	25 18	3 50	1 6	2 37	17 48	0 40	21 42	1 25	1 31	0 46	22 1	0 34	15 52	17 23	23 33	23 33	21 46	0 32	4 13
M 8	8 8	10 24	3 56	7 40	0 36	25 31	3 53	1 3	2 33	17 45	0 40	21 42	1 25	1 32	0 46	22 1	0 34	15 52	17 23	23 33	23 33	21 45	0 33	4 13
T 9	8 31	15 7	3 5	8 23	0 29	25 42	3 55	1 1	2 29	17 43	0 40	21 42	1 25	1 33	0 46	22 1	0 34	15 52	17 23	23 33	23 33	21 44	0 34	4 13
W10	8 53	18 59	2 6	9 5	0 23	25 54	3 57	0 58	2 25	17 41	0 41	21 42	1 25	1 34	0 46	22 1	0 34	15 52	17 23	23 33	23 33	21 43	0 35	4 13
T 11	9 16	21 50	1 3	9 47	0 16	26 4	4 0	0 56	2 20	17 39	0 41	21 42	1 25	1 34	0 46	22 1	0 34	15 53	17 23	23 33	23 33	21 42	0 36	4 12
F 12	9 38	23 36	0s 3	10 29	0 9	26 15	4 2	0 54	2 16	17 37	0 41	21 42	1 25	1 35	0 46	22 1	0 34	15 53	17 23	23 33	23 33	21 41	0 37	4 12
S 13	10 0	24 12	1 6	11 9	0 3	26 24	4 3	0 52	2 12	17 35	0 41	21 41	1 25	1 36	0 46	22 1	0 34	15 53	17 23	23 33	23 33	21 40	0 38	4 12
S 14	10 22	23 42	2 7	11 50	0s 4	26 33	4 5	0 51	2 8	17 33	0 41	21 41	1 25	1 37	0 45	22 1	0 34	15 54	17 22	23 33	23 33	21 39	0 39	4 12
M15	10 43	22 7	3 1	12 29	0 11	26 42	4 7	0 50	2 4	17 31	0 42	21 41	1 25	1 38	0 45	22 1	0 34	15 54	17 22	23 33	23 33	21 38	0 40	4 11
T 16	11 5	19 35	3 48	13 8	0 17	26 49	4 8	0 49	2 0	17 29	0 42	21 41	1 25	1 38	0 45	22 1	0 34	15 54	17 22	23 33	23 33	21 37	0 41	4 11
W17	11 26	16 13	4 25	13 47	0 24	26 57	4 9	0 48	1 56	17 28	0 42	21 41	1 25	1 39	0 45	22 1	0 34	15 54	17 22	23 33	23 33	21 36	0 42	4 11
T 18	11 48	12 7	4 51	14 24	0 31	27 3	4 10	0 48	1 52	17 26	0 42	21 40	1 25	1 40	0 45	22 1	0 34	15 54	17 22	23 33	23 33	21 35	0 43	4 11
F 19	12 9	7 28	5 4	15 1	0 37	27 9	4 11	0 48	1 48	17 24	0 42	21 40	1 25	1 41	0 45	22 1	0 34	15 55	17 22	23 33	23 33	21 34	0 44	4 11
S 20	12 30	2 24	5 3	15 37	0 43	27 15	4 12	0 48	1 44	17 22	0 43	21 40	1 26	1 41	0 45	22 1	0 34	15 55	17 21	23 32	23 33	21 33	0 45	4 10
S 21	12 50	2n53	4 46	16 13	0 50	27 19	4 12	0 49	1 40	17 21	0 43	21 40	1 26	1 42	0 45	22 1	0 34	15 55	17 21	23 32	23 33	21 32	0 46	4 10
M22	13 11	8 9	4 14	16 47	0 56	27 24	4 13	0 49	1 36	17 19	0 43	21 39	1 26	1 43	0 45	22 1	0 34	15 55	17 21	23 32	23 33	21 31	0 47	4 10
T 23	13 31	13 10	3 27	17 21	1 2	27 27	4 13	0 50	1 32	17 17	0 43	21 39	1 26	1 43	0 45	22 1	0 34	15 55	17 21	23 32	23 33	21 30	0 48	4 10
W24	13 51	17 37	2 27	17 54	1 8	27 31	4 13	0 52	1 28	17 16	0 44	21 39	1 26	1 44	0 45	22 1	0 34	15 56	17 20	23 32	23 33	21 28	0 49	4 9
T 25	14 11	21 9	1 18	18 26	1 14	27 33	4 12	0 53	1 24	17 14	0 44	21 38	1 26	1 45	0 45	22 1	0 34	15 56	17 20	23 32	23 33	21 27	0 49	4 9
F 26	14 30	23 28	0 3	18 57	1 20	27 35	4 12	0 55	1 21	17 13	0 44	21 38	1 26	1 45	0 45	22 1	0 34	15 56	17 20	23 32	23 33	21 26	0 50	4 9
S 27	14 50	24 19	1n12	19 27	1 26	27 37	4 11	0 58	1 17	17 11	0 44	21 38	1 26	1 46	0 45	22 1	0 34	15 56	17 20	23 32	23 33	21 25	0 51	4 9
S 28	15 9	23 37	2 23	19 57	1 31	27 37	4 10	1 0	1 13	17 10	0 44	21 38	1 26	1 47	0 45	22 1	0 34	15 56	17 20	23 32	23 33	21 24	0 52	4 8
M29	15 28	21 25	3 26	20 25	1 37	27 38	4 9	1 3	1 10	17 9	0 45	21 37	1 26	1 47	0 45	22 1	0 34	15 56	17 19	23 32	23 33	21 23	0 53	4 8
T 30	15 46	17 55	4 16	20 52	1 42	27 38	4 7	1 6	1 6	17 7	0 45	21 37	1 26	1 48	0 45	22 1	0 34	15 56	17 19	23 32	23 33	21 22	0 53	4 8
W31	16s 5	13n24	4n51	21s19	1s47	27s37	4s 6	1n 9	1s 3	17n 6	0n45	21n37	1s26	1s48	0s45	22n 1	0s34	15s56	17s19	23n32	23n33	21s21	0s54	4n 8

Julian Day Number = 2119088.5, Delta T = 18m16s
Ecliptic obliquity = 23°33'27, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°03'04, Lahiri = 11°10'04 Julian Calendar 1 Oct. 1089 == Greg. Calendar 7 Oct. 1089

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1089
geocentric

NOVEMBER 1089 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 4 43	14♏52'10	21♍16	28♏30	27♐46	5♈18	15♌11	18°R11	27°R11	16°R 5	29°R43	27°R13	28♊23	9♒ 1	18°R 9	T 1
F 2	3 8 39	15°52'52	5♎13	0♐ 0	28°25	5°20	15°16	18♊ 7	27♓ 9	16♋ 4	29♓42	27♊ 7	28°20	9° 8	18♓ 8	F 2
S 3	3 12 36	16°53'35	19° 2	1°30	29° 4	5°23	15°20	18° 3	27° 8	16° 3	29°41	27° 0	28°17	9°15	18° 7	S 3
S 4	3 16 32	17°54'19	2♏39	2°59	29°41	5°26	15°24	18° 0	27° 7	16° 3	29°40	26°53	28°14	9°21	18° 6	S 4
M 5	3 20 29	18°55'05	16° 1	4°28	0♑17	5°30	15°28	17°56	27° 6	16° 2	29°40	26°47	28°11	9°28	18° 5	M 5
T 6	3 24 25	19°55'53	29° 7	5°56	0°51	5°35	15°32	17°52	27° 4	16° 1	29°39	26°43	28° 8	9°35	18° 4	T 6
W 7	3 28 22	20°56'42	11♐55	7°24	1°24	5°41	15°36	17°48	27° 3	16° 0	29°38	26°40	28° 4	9°41	18° 3	W 7
T 8	3 32 18	21°57'32	24°25	8°51	1°56	5°47	15°39	17°43	27° 2	16° 0	29°38	26°D39	28° 1	9°48	18° 2	T 8
F 9	3 36 15	22°58'23	6♑40	10°18	2°26	5°54	15°43	17°39	27° 1	15°59	29°37	26°39	27°58	9°55	18° 1	F 9
S 10	3 40 12	23°59'15	18°43	11°44	2°54	6° 2	15°46	17°35	27° 0	15°58	29°36	26°40	27°55	10° 1	18° 0	S 10
S 11	3 44 8	25° 0'08	0♒37	13° 9	3°21	6°10	15°49	17°31	26°59	15°57	29°36	26°42	27°52	10° 8	18° 0	S 11
M12	3 48 5	26° 1'02	12°27	14°33	3°46	6°19	15°51	17°26	26°58	15°56	29°35	26°44	27°49	10°15	17°59	M12
T 13	3 52 1	27° 1'57	24°17	15°56	4° 9	6°29	15°54	17°22	26°57	15°55	29°35	26°R45	27°45	10°21	17°58	T 13
W14	3 55 58	28° 2'52	6♓14	17°17	4°31	6°40	15°56	17°17	26°56	15°54	29°34	26°44	27°42	10°28	17°58	W14
T 15	3 59 54	29° 3'49	18°21	18°37	4°50	6°51	15°59	17°13	26°56	15°53	29°34	26°43	27°39	10°35	17°57	T 15
F 16	4 3 51	0♐ 4'46	0♈43	19°56	5° 8	7° 3	16° 1	17° 8	26°55	15°52	29°33	26°40	27°36	10°41	17°57	F 16
S 17	4 7 47	1° 5'44	13°24	21°12	5°23	7°15	16° 2	17° 3	26°54	15°51	29°33	26°36	27°33	10°48	17°57	S 17
S 18	4 11 44	2° 6'42	26°26	22°26	5°36	7°28	16° 4	16°59	26°54	15°50	29°32	26°32	27°29	10°55	17°56	S 18
M19	4 15 41	3° 7'42	9♑51	23°37	5°47	7°42	16° 6	16°54	26°53	15°49	29°32	26°29	27°26	11° 1	17°56	M19
T 20	4 19 37	4° 8'42	23°36	24°45	5°56	7°56	16° 7	16°49	26°52	15°48	29°31	26°25	27°23	11° 8	17°56	T 20
W21	4 23 34	5° 9'43	7♊41	25°50	6° 3	8°11	16° 8	16°44	26°52	15°46	29°31	26°23	27°20	11°15	17°56	W21
T 22	4 27 30	6°10'45	21°59	26°50	6° 7	8°26	16° 9	16°40	26°52	15°45	29°31	26°D22	27°17	11°21	17°56	T 22
F 23	4 31 27	7°11'48	6♋26	27°45	6°R 9	8°42	16° 9	16°35	26°51	15°44	29°30	26°23	27°14	11°28	17°D56	F 23
S 24	4 35 23	8°12'52	20°57	28°35	6° 8	8°58	16°10	16°30	26°51	15°43	29°30	26°24	27°10	11°35	17°56	S 24
S 25	4 39 20	9°13'57	5♌26	29°19	6° 5	9°15	16°10	16°25	26°51	15°41	29°30	26°25	27° 7	11°42	17°56	S 25
M26	4 43 16	10°15'02	19°49	29°56	5°59	9°32	16°R10	16°20	26°50	15°40	29°29	26°26	27° 4	11°48	17°56	M26
T 27	4 47 13	11°16'09	4♍ 3	0♑24	5°51	9°50	16°10	16°15	26°50	15°39	29°29	26°27	27° 1	11°55	17°56	T 27
W28	4 51 10	12°17'16	18° 6	0°44	5°41	10° 8	16°10	16°10	26°50	15°37	29°29	26°R27	26°58	12° 2	17°56	W28
T 29	4 55 6	13°18'24	1♎56	0°R54	5°28	10°27	16° 9	16° 5	26°50	15°36	29°29	26°26	26°55	12° 8	17°57	T 29
F 30	4 59 3	14♐19'33	15♎33	0♑54	5♑12	10♈46	16♌ 9	16♊ 0	26°D50	15♋35	29♓29	26♊25	26♊51	12♒15	17♓57	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s23	8n11	5n 8	21s44	1s51	27s36	4s 3	1n13	0s59	17n 5	0n45	21n36	1s26	1s49	0s45	22n 2	0s34	15s56	17s18	23n32	23n33	21s19	0s55	4n 7
F 2	16 40	2 36	5 6	22 8	1 56	27 34	4 1	1 16	0 56	17 4	0 46	21 36	1 26	1 49	0 45	22 2	0 34	15 56	17 18	23 32	23 33	21 18	0 56	4 7
S 3	16 58	3s 4	4 47	22 31	2 0	27 32	3 58	1 20	0 53	17 3	0 46	21 36	1 26	1 50	0 45	22 2	0 34	15 57	17 18	23 31	23 33	21 17	0 56	4 7
S 4	17 15	8 31	4 12	22 53	2 4	27 29	3 56	1 25	0 50	17 2	0 46	21 35	1 26	1 50	0 45	22 2	0 34	15 57	17 18	23 31	23 33	21 16	0 57	4 7
M 5	17 32	13 29	3 23	23 14	2 8	27 26	3 52	1 29	0 46	17 1	0 46	21 35	1 26	1 51	0 45	22 2	0 34	15 57	17 17	23 31	23 33	21 15	0 58	4 6
T 6	17 49	17 43	2 24	23 33	2 11	27 22	3 49	1 34	0 43	17 0	0 47	21 35	1 26	1 51	0 45	22 2	0 34	15 57	17 17	23 31	23 33	21 14	0 58	4 6
W 7	18 5	21 1	1 20	23 51	2 14	27 18	3 45	1 39	0 40	16 59	0 47	21 34	1 26	1 52	0 45	22 2	0 34	15 57	17 17	23 31	23 33	21 12	0 59	4 6
T 8	18 21	23 14	0 12	24 8	2 17	27 13	3 41	1 44	0 37	16 58	0 47	21 34	1 26	1 52	0 45	22 2	0 34	15 57	17 17	23 31	23 33	21 11	0 59	4 6
F 9	18 36	24 18	0s55	24 24	2 19	27 8	3 36	1 50	0 34	16 57	0 47	21 34	1 26	1 53	0 45	22 2	0 34	15 57	17 16	23 31	23 32	21 10	1 0	4 5
S 10	18 52	24 11	1 58	24 38	2 21	27 3	3 31	1 56	0 31	16 57	0 47	21 33	1 26	1 53	0 45	22 2	0 34	15 57	17 16	23 31	23 32	21 9	1 0	4 5
S 11	19 7	22 58	2 55	24 51	2 23	26 57	3 26	2 2	0 28	16 56	0 48	21 33	1 26	1 53	0 45	22 2	0 34	15 57	17 16	23 31	23 32	21 8	1 1	4 5
M12	19 21	20 45	3 45	25 2	2 24	26 50	3 20	2 8	0 26	16 55	0 48	21 32	1 26	1 54	0 45	22 3	0 34	15 56	17 15	23 31	23 32	21 6	1 1	4 4
T 13	19 36	17 39	4 25	25 12	2 24	26 43	3 14	2 14	0 23	16 55	0 48	21 32	1 26	1 54	0 45	22 3	0 34	15 56	17 15	23 31	23 32	21 5	1 2	4 4
W14	19 49	13 49	4 54	25 20	2 24	26 36	3 7	2 21	0 20	16 54	0 48	21 32	1 25	1 54	0 45	22 3	0 34	15 56	17 15	23 31	23 32	21 4	1 2	4 4
T 15	20 3	9 23	5 11	25 27	2 23	26 28	3 0	2 28	0 18	16 54	0 49	21 31	1 25	1 54	0 44	22 3	0 34	15 56	17 14	23 31	23 32	21 3	1 3	4 4
F 16	20 16	4 30	5 13	25 32	2 22	26 20	2 53	2 35	0 15	16 54	0 49	21 31	1 25	1 55	0 44	22 3	0 34	15 56	17 14	23 31	23 32	21 1	1 3	4 3
S 17	20 29	0n42	5 1	25 36	2 20	26 12	2 45	2 42	0 13	16 53	0 49	21 30	1 25	1 55	0 44	22 3	0 34	15 56	17 14	23 31	23 32	21 0	1 4	4 3
S 18	20 41	6 1	4 32	25 38	2 17	26 3	2 37	2 49	0 10	16 53	0 49	21 30	1 25	1 55	0 44	22 3	0 34	15 56	17 13	23 31	23 32	20 59	1 4	4 3
M19	20 53	11 13	3 49	25 38	2 14	25 54	2 28	2 57	0 8	16 53	0 50	21 30	1 25	1 55	0 44	22 3	0 34	15 56	17 13	23 31	23 32	20 58	1 4	4 3
T 20	21 5	16 0	2 51	25 37	2 10	25 44	2 19	3 5	0 5	16 53	0 50	21 29	1 25	1 56	0 44	22 3	0 34	15 56	17 13	23 31	23 32	20 56	1 5	4 2
W21	21 16	20 2	1 41	25 34	2 4	25 34	2 9	3 13	0 3	16 53	0 50	21 29	1 25	1 56	0 44	22 4	0 34	15 55	17 12	23 30	23 32	20 55	1 5	4 2
T 22	21 27	22 55	0 24	25 29	1 58	25 24	1 59	3 21	0 1	16 53	0 50	21 28	1 25	1 56	0 44	22 4	0 34	15 55	17 12	23 30	23 32	20 54	1 5	4 2
F 23	21 37	24 19	0n55	25 23	1 51	25 13	1 49	3 29	0n 1	16 53	0 51	21 28	1 25	1 56	0 44	22 4	0 34	15 55	17 12	23 30	23 32	20 53	1 6	4 1
S 24	21 47	24 5	2 12	25 16	1 43	25 2	1 38	3 37	0 3	16 53	0 51	21 28	1 25	1 56	0 44	22 4	0 34	15 55	17 11	23 30	23 32	20 51	1 6	4 1
S 25	21 57	22 14	3 19	25 6	1 33	24 51	1 26	3 46	0 5	16 53	0 51	21 27	1 25	1 56	0 44	22 4	0 34	15 55	17 11	23 31	23 32	20 50	1 6	4 1
M26	22 6	18 58	4 14	24 56	1 22	24 39	1 14	3 55	0 8	16 53	0 52	21 27	1 25	1 56	0 44	22 4	0 34	15 55	17 11	23 31	23 31	20 49	1 6	4 1
T 27	22 14	14 36	4 53	24 43	1 10	24 27	1 1	4 3	0 10	16 53	0 52	21 26	1 25	1 56	0 44	22 4	0 34	15 54	17 10	23 31	23 31	20 47	1 6	4 0
W28	22 23	9 31	5 13	24 30	0 57	24 15	0 48	4 13	0 11	16 54	0 52	21 26	1 25	1 56	0 44	22 5	0 34	15 54	17 10	23 31	23 31	20 46	1 7	4 0
T 29	22 31	4 2	5 15	24 15	0 42	24 2	0 35	4 22	0 13	16 54	0 52	21 26	1 25	1 56	0 44	22 5	0 34	15 54	17 10	23 31	23 31	20 45	1 7	4 0
F 30	22s38	1s33	4n59	23s59	0s26	23s49	0s21	4n31	0n15	16n55	0n53	21n25	1s24	1s56	0s44	22n 5	0s34	15s54	17s 9	23n31	23n31	20s44	1s 7	3n59

Julian Day Number = 2119119.5, Delta T = 18m16s
Ecliptic obliquity = 23°33'27, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°03'08, Lahiri = 11°10'08 Julian Calendar 1 Nov. 1089 == Greg. Calendar 7 Nov. 1089

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1089
geocentric

DECEMBER 1089 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 2 59	15♐20'43	28♎57	0°R42	4°R54	11♈ 6	16°R 8	15°R55	26♓50	15°R33	29°R28	26°R23	26♊48	12♒22	17♓57	S 1
S 2	5 6 56	16°21'54	12♏ 7	0♑19	4♑34	11°26	16♌ 7	15♊50	26°50	15♋32	29♓28	26♊22	26°45	12°28	17°58	S 2
M 3	5 10 52	17°23'05	25° 4	29♐44	4°12	11°46	16° 5	15°45	26°50	15°30	29°28	26°21	26°42	12°35	17°59	M 3
T 4	5 14 49	18°24'17	7♐48	28°57	3°47	12° 7	16° 4	15°40	26°50	15°29	29°28	26°20	26°39	12°42	17°59	T 4
W 5	5 18 45	19°25'29	20°18	28° 0	3°20	12°28	16° 2	15°35	26°51	15°28	29°28	26°D19	26°35	12°48	18° 0	W 5
T 6	5 22 42	20°26'41	2♑37	26°54	2°52	12°50	16° 0	15°30	26°51	15°26	29°28	26°19	26°32	12°55	18° 1	T 6
F 7	5 26 39	21°27'54	14°45	25°40	2°22	13°12	15°58	15°26	26°51	15°25	29°28	26°20	26°29	13° 2	18° 1	F 7
S 8	5 30 35	22°29'07	26°44	24°21	1°50	13°35	15°56	15°21	26°52	15°23	29°D28	26°20	26°26	13° 8	18° 2	S 8
S 9	5 34 32	23°30'19	8♒37	22°59	1°16	13°58	15°54	15°16	26°52	15°21	29°28	26°21	26°23	13°15	18° 3	S 9
M10	5 38 28	24°31'32	20°26	21°37	0°42	14°21	15°51	15°11	26°53	15°20	29°28	26°21	26°20	13°22	18° 4	M10
T 11	5 42 25	25°32'44	2♓16	20°19	0° 7	14°44	15°48	15° 6	26°53	15°18	29°28	26°21	26°16	13°28	18° 5	T 11
W12	5 46 21	26°33'57	14°11	19° 5	29♐31	15° 8	15°45	15° 1	26°54	15°17	29°28	26°R21	26°13	13°35	18° 6	W12
T 13	5 50 18	27°35'09	26°16	17°59	28°54	15°32	15°42	14°56	26°54	15°15	29°28	26°D21	26°10	13°42	18° 7	T 13
F 14	5 54 15	28°36'21	8♈34	17° 1	28°17	15°57	15°38	14°52	26°55	15°14	29°28	26°21	26° 7	13°49	18° 8	F 14
S 15	5 58 11	29°37'32	21°11	16°13	27°41	16°22	15°35	14°47	26°56	15°12	29°28	26°21	26° 4	13°55	18°10	S 15
S 16	6 2 8	0♑38'43	4♉10	15°34	27° 4	16°47	15°31	14°42	26°57	15°10	29°29	26°22	26° 1	14° 2	18°11	S 16
M17	6 6 4	1°39'54	17°34	15° 6	26°29	17°13	15°27	14°38	26°57	15° 9	29°29	26°22	25°57	14° 9	18°12	M17
T 18	6 10 1	2°41'04	1♊24	14°49	25°54	17°38	15°23	14°33	26°58	15° 7	29°29	26°23	25°54	14°15	18°14	T 18
W19	6 13 57	3°42'15	15°39	14°D40	25°20	18° 4	15°19	14°28	26°59	15° 5	29°29	26°23	25°51	14°22	18°15	W19
T 20	6 17 54	4°43'24	0♋15	14°41	24°47	18°31	15°14	14°24	27° 0	15° 4	29°30	26°R23	25°48	14°29	18°17	T 20
F 21	6 21 50	5°44'34	15° 6	14°50	24°16	18°57	15°10	14°19	27° 1	15° 2	29°30	26°23	25°45	14°35	18°18	F 21
S 22	6 25 47	6°45'43	0♌ 5	15° 7	23°47	19°24	15° 5	14°15	27° 3	15° 0	29°30	26°22	25°41	14°42	18°20	S 22
S 23	6 29 44	7°46'52	15° 2	15°31	23°19	19°51	15° 0	14°11	27° 4	14°59	29°31	26°21	25°38	14°49	18°21	S 23
M24	6 33 40	8°48'01	29°51	16° 2	22°54	20°18	14°55	14° 6	27° 5	14°57	29°31	26°19	25°35	14°55	18°23	M24
T 25	6 37 37	9°49'09	14♍23	16°38	22°30	20°46	14°50	14° 2	27° 6	14°55	29°31	26°18	25°32	15° 2	18°25	T 25
W26	6 41 33	10°50'18	28°36	17°20	22° 9	21°14	14°44	13°58	27° 7	14°54	29°32	26°17	25°29	15° 9	18°27	W26
T 27	6 45 30	11°51'26	12♎27	18° 6	21°50	21°42	14°39	13°54	27° 9	14°52	29°32	26°D16	25°26	15°16	18°28	T 27
F 28	6 49 26	12°52'34	25°57	18°57	21°34	22°10	14°33	13°50	27°10	14°50	29°33	26°17	25°22	15°22	18°30	F 28
S 29	6 53 23	13°53'41	9♏ 7	19°51	21°20	22°38	14°27	13°46	27°12	14°49	29°33	26°18	25°19	15°29	18°32	S 29
S 30	6 57 19	14°54'49	21°58	20°49	21° 8	23° 7	14°21	13°42	27°13	14°47	29°34	26°19	25°16	15°36	18°34	S 30
M31	7 1 16	15♑55'55	4♐35	21♐49	21♐ 0	23♈36	14♌15	13♊38	27♓15	14♋45	29♓34	26♊21	25♊13	15♒42	18♓36	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	22s45	7s 0	4n27	23s42	0s 8	23s35	0s 7	4n40	0n17	16n55	0n53	21n25	1s24	1s56	0s44	22n 5	0s34	15s53	17s 9	23n30	23n31	20s42	1s 7	3n59	S 1
S 2	22 51	12 2	3 41	23 24	0n10	23 21	0n 7	4 50	0 19	16 56	0 53	21 24	1 24	1 56	0 44	22 5	0 34	15 53	17 8	23 30	23 31	20 41	1 7	3 59	S 2
M 3	22 57	16 28	2 45	23 4	0 29	23 7	0 22	4 59	0 21	16 56	0 53	21 24	1 24	1 56	0 44	22 5	0 34	15 53	17 8	23 30	23 31	20 40	1 7	3 59	M 3
T 4	23 3	20 3	1 41	22 44	0 49	22 53	0 37	5 9	0 22	16 57	0 54	21 23	1 24	1 56	0 44	22 6	0 34	15 53	17 8	23 30	23 31	20 38	1 7	3 58	T 4
W 5	23 8	22 39	0 33	22 24	1 9	22 38	0 52	5 19	0 24	16 58	0 54	21 23	1 24	1 56	0 44	22 6	0 34	15 52	17 7	23 30	23 31	20 37	1 7	3 58	W 5
T 6	23 13	24 7	0s35	22 3	1 29	22 24	1 8	5 29	0 26	16 59	0 54	21 23	1 24	1 56	0 44	22 6	0 34	15 52	17 7	23 30	23 31	20 35	1 7	3 58	T 6
F 7	23 17	24 24	1 41	21 41	1 48	22 9	1 24	5 39	0 27	16 59	0 54	21 22	1 24	1 55	0 44	22 6	0 34	15 52	17 7	23 30	23 31	20 34	1 7	3 57	F 7
S 8	23 21	23 33	2 41	21 20	2 6	21 53	1 39	5 49	0 29	17 0	0 55	21 22	1 24	1 55	0 44	22 6	0 34	15 51	17 6	23 30	23 31	20 33	1 7	3 57	S 8
S 9	23 24	21 38	3 34	21 0	2 22	21 38	1 55	6 0	0 30	17 1	0 55	21 21	1 23	1 55	0 44	22 7	0 34	15 51	17 6	23 30	23 30	20 31	1 7	3 57	S 9
M10	23 27	18 49	4 17	20 41	2 36	21 23	2 10	6 10	0 32	17 2	0 55	21 21	1 23	1 55	0 43	22 7	0 34	15 51	17 6	23 30	23 30	20 30	1 7	3 57	M10
T 11	23 29	15 13	4 50	20 24	2 48	21 8	2 26	6 21	0 33	17 3	0 55	21 20	1 23	1 55	0 43	22 7	0 34	15 50	17 5	23 30	23 30	20 29	1 7	3 56	T 11
W12	23 31	11 1	5 11	20 9	2 58	20 52	2 41	6 31	0 35	17 5	0 56	21 20	1 23	1 54	0 43	22 7	0 34	15 50	17 5	23 30	23 30	20 27	1 6	3 56	W12
T 13	23 32	6 21	5 18	19 56	3 5	20 37	2 56	6 42	0 36	17 6	0 56	21 20	1 23	1 54	0 43	22 7	0 34	15 49	17 4	23 30	23 30	20 26	1 6	3 56	T 13
F 14	23 33	1 20	5 10	19 46	3 10	20 22	3 11	6 53	0 37	17 7	0 56	21 19	1 23	1 54	0 43	22 7	0 34	15 49	17 4	23 30	23 30	20 24	1 6	3 55	F 14
S 15	23 33	3n51	4 48	19 39	3 12	20 7	3 25	7 4	0 39	17 8	0 56	21 19	1 23	1 53	0 43	22 8	0 34	15 49	17 4	23 30	23 30	20 23	1 6	3 55	S 15
S 16	23 33	9 2	4 11	19 35	3 13	19 53	3 39	7 14	0 40	17 10	0 57	21 18	1 23	1 53	0 43	22 8	0 34	15 48	17 3	23 30	23 30	20 22	1 6	3 55	S 16
M17	23 33	13 58	3 19	19 33	3 11	19 38	3 52	7 25	0 41	17 11	0 57	21 18	1 22	1 53	0 43	22 8	0 34	15 48	17 3	23 30	23 30	20 20	1 5	3 55	M17
T 18	23 32	18 21	2 14	19 34	3 8	19 25	4 5	7 36	0 42	17 13	0 57	21 18	1 22	1 52	0 43	22 8	0 34	15 47	17 3	23 30	23 30	20 19	1 5	3 54	T 18
W19	23 30	21 48	0 59	19 37	3 4	19 11	4 17	7 48	0 44	17 14	0 57	21 17	1 22	1 52	0 43	22 8	0 34	15 47	17 2	23 30	23 30	20 17	1 5	3 54	W19
T 20	23 28	23 55	0n21	19 43	2 59	18 58	4 29	7 59	0 45	17 16	0 58	21 17	1 22	1 51	0 43	22 9	0 34	15 47	17 2	23 30	23 29	20 16	1 4	3 54	T 20
F 21	23 26	24 23	1 42	19 50	2 52	18 46	4 40	8 10	0 46	17 17	0 58	21 17	1 22	1 51	0 43	22 9	0 34	15 46	17 2	23 30	23 29	20 14	1 4	3 54	F 21
S 22	23 23	23 6	2 56	19 59	2 45	18 35	4 50	8 21	0 47	17 19	0 58	21 16	1 22	1 50	0 43	22 9	0 34	15 46	17 1	23 30	23 29	20 13	1 4	3 53	S 22
S 23	23 20	20 12	3 58	20 10	2 37	18 24	5 0	8 32	0 48	17 21	0 58	21 16	1 21	1 50	0 43	22 9	0 34	15 45	17 1	23 30	23 29	20 12	1 3	3 53	S 23
M24	23 16	16 0	4 44	20 21	2 29	18 14	5 9	8 44	0 49	17 22	0 58	21 16	1 21	1 49	0 43	22 9	0 34	15 45	17 0	23 30	23 29	20 10	1 3	3 53	M24
T 25	23 12	10 56	5 10	20 34	2 20	18 4	5 17	8 55	0 50	17 24	0 59	21 15	1 21	1 49	0 43	22 10	0 34	15 44	17 0	23 30	23 29	20 9	1 2	3 53	T 25
W26	23 7	5 23	5 16	20 47	2 11	17 56	5 24	9 7	0 51	17 26	0 59	21 15	1 21	1 48	0 43	22 10	0 34	15 44	17 0	23 30	23 29	20 7	1 2	3 52	W26
T 27	23 2	0s17	5 4	21 0	2 2	17 48	5 31	9 18	0 52	17 28	0 59	21 15	1 21	1 48	0 43	22 10	0 34	15 43	16 59	23 30	23 29	20 6	1 1	3 52	T 27
F 28	22 56	5 48	4 35	21 14	1 53	17 41	5 37	9 30	0 53	17 30	0 59	21 14	1 21	1 47	0 43	22 10	0 34	15 43	16 59	23 30	23 29	20 4	1 1	3 52	F 28
S 29	22 50	10 56	3 52	21 27	1 43	17 35	5 42	9 41	0 54	17 32	1 0	21 14	1 20	1 46	0 43	22 10	0 34	15 42	16 59	23 30	23 28	20 3	1 0	3 52	S 29
S 30	22 43	15 28	2 59	21 41	1 34	17 29	5 47	9 53	0 55	17 34	1 0	21 14	1 20	1 46	0 43	22 11	0 34	15 42	16 58	23 30	23 28	20 1	1 0	3 51	S 30
M31	22s36	19s14	1n57	21s54	1n24	17s25	5n51	10n 4	0n56	17n36	1n 0	21n13	1s20	1s45	0s43	22n11	0s34	15s41	16s58	23n30	23n28	20s 0	0s59	3n51	M31

Julian Day Number = 2119149.5, Delta T = 18m15s
Ecliptic obliquity = 23°33'26, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°03'12, Lahiri = 11°10'12 Julian Calendar 1 Dec. 1089 == Greg. Calendar 7 Dec. 1089

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1090
geocentric

JANUARY 1090 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 5 13	16♉57'02	16♐59	22♐53	20°R53	24♈ 5	14°R 9	13°R35	27♓16	14°R44	29♓35	26♊22	25♊10	15♒49	18♓38	T 1
W 2	7 9 9	17°58'08	29°13	23°59	20♐49	24°34	14♌ 2	13♊31	27°18	14♋42	29°35	26°R22	25° 7	15°56	18°41	W 2
T 3	7 13 6	18°59'13	11♉18	25° 7	20°D48	25° 4	13°56	13°27	27°20	14°40	29°36	26°21	25° 3	16° 2	18°43	T 3
F 4	7 17 2	20° 0'17	23°17	26°18	20°49	25°33	13°49	13°24	27°21	14°38	29°36	26°19	25° 0	16° 9	18°45	F 4
S 5	7 20 59	21° 1'21	5♒11	27°30	20°52	26° 3	13°42	13°20	27°23	14°37	29°37	26°16	24°57	16°16	18°47	S 5
S 6	7 24 55	22° 2'23	17° 2	28°44	20°58	26°33	13°35	13°17	27°25	14°35	29°38	26°11	24°54	16°22	18°50	S 6
M 7	7 28 52	23° 3'25	28°52	29°59	21° 6	27° 3	13°28	13°14	27°27	14°33	29°38	26° 6	24°51	16°29	18°52	M 7
T 8	7 32 49	24° 4'25	10♓43	1♉17	21°16	27°33	13°21	13°11	27°29	14°32	29°39	26° 1	24°47	16°36	18°54	T 8
W 9	7 36 45	25° 5'24	22°39	2°35	21°28	28° 4	13°14	13° 8	27°31	14°30	29°40	25°57	24°44	16°43	18°57	W 9
T 10	7 40 42	26° 6'22	4♈42	3°55	21°43	28°35	13° 7	13° 5	27°33	14°28	29°40	25°54	24°41	16°49	18°59	T 10
F 11	7 44 38	27° 7'19	16°57	5°16	22° 0	29° 5	13° 0	13° 2	27°35	14°27	29°41	25°52	24°38	16°56	19° 2	F 11
S 12	7 48 35	28° 8'14	29°28	6°38	22°18	29°36	12°52	12°59	27°37	14°25	29°42	25°D51	24°35	17° 3	19° 4	S 12
S 13	7 52 31	29° 9'08	12♊19	8° 1	22°39	0♉ 8	12°45	12°56	27°39	14°23	29°43	25°52	24°32	17° 9	19° 7	S 13
M14	7 56 28	0♒10'00	25°34	9°26	23° 1	0°39	12°37	12°54	27°41	14°22	29°44	25°53	24°28	17°16	19°10	M14
T 15	8 0 24	1°10'52	9♊16	10°51	23°25	1°10	12°29	12°51	27°43	14°20	29°44	25°55	24°25	17°23	19°12	T 15
W16	8 4 21	2°11'41	23°26	12°17	23°51	1°42	12°22	12°49	27°45	14°19	29°45	25°R56	24°22	17°29	19°15	W16
T 17	8 8 18	3°12'30	8♋ 3	13°44	24°19	2°13	12°14	12°47	27°48	14°17	29°46	25°55	24°19	17°36	19°18	T 17
F 18	8 12 14	4°13'16	23° 2	15°12	24°48	2°45	12° 6	12°45	27°50	14°15	29°47	25°53	24°16	17°43	19°21	F 18
S 19	8 16 11	5°14'02	8♌15	16°41	25°19	3°17	11°58	12°43	27°52	14°14	29°48	25°49	24°13	17°50	19°23	S 19
S 20	8 20 7	6°14'46	23°33	18°11	25°51	3°49	11°51	12°41	27°55	14°12	29°49	25°43	24° 9	17°56	19°26	S 20
M21	8 24 4	7°15'29	8♍43	19°41	26°25	4°21	11°43	12°39	27°57	14°11	29°50	25°36	24° 6	18° 3	19°29	M21
T 22	8 28 0	8°16'10	23°37	21°13	27° 0	4°54	11°35	12°37	28° 0	14° 9	29°51	25°30	24° 3	18°10	19°32	T 22
W23	8 31 57	9°16'51	8♎ 8	22°45	27°37	5°26	11°27	12°35	28° 2	14° 8	29°52	25°25	24° 0	18°16	19°35	W23
T 24	8 35 53	10°17'30	22°11	24°18	28°15	5°58	11°19	12°34	28° 5	14° 6	29°53	25°21	23°57	18°23	19°38	T 24
F 25	8 39 50	11°18'08	5♏45	25°53	28°54	6°31	11°11	12°33	28° 7	14° 5	29°54	25°D20	23°53	18°30	19°41	F 25
S 26	8 43 47	12°18'44	18°54	27°27	29°34	7° 4	11° 3	12°31	28°10	14° 3	29°55	25°20	23°50	18°36	19°44	S 26
S 27	8 47 43	13°19'20	1♐39	29° 3	0♉15	7°36	10°55	12°30	28°13	14° 2	29°56	25°21	23°47	18°43	19°47	S 27
M28	8 51 40	14°19'54	14° 6	0♒40	0°58	8° 9	10°47	12°29	28°15	14° 1	29°57	25°22	23°44	18°50	19°50	M28
T 29	8 55 36	15°20'27	26°18	2°18	1°42	8°42	10°39	12°28	28°18	13°59	29°58	25°R23	23°41	18°56	19°53	T 29
W30	8 59 33	16°20'59	8♉21	3°56	2°26	9°15	10°31	12°27	28°21	13°58	29°59	25°22	23°38	19° 3	19°57	W30
T 31	9 3 29	17♒21'29	20♉16	5♒35	3♉12	9♉49	10♌24	12♊26	28♓23	13♋56	0♈ 0	25♊18	23♊34	19♒10	20♓ 0	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s29	22s 4	0n52	22s 7	1n15	17s21	5n55	10n16	0n57	17n38	1n 0	21n13	1s20	1s44	0s43	22n11	0s34	15s41	16s58	23n30	23n28	19s58	0s59	3n51
W 2	22 21	23 49	0s16	22 20	1 5	17 17	5 58	10 27	0 58	17 40	1 0	21 13	1 20	1 44	0 43	22 11	0 34	15 40	16 57	23 30	23 28	19 57	0 58	3 51
T 3	22 12	24 26	1 21	22 32	0 56	17 15	6 0	10 39	0 58	17 42	1 1	21 13	1 20	1 43	0 43	22 11	0 34	15 40	16 57	23 30	23 28	19 55	0 57	3 50
F 4	22 4	23 53	2 23	22 44	0 47	17 13	6 2	10 51	0 59	17 44	1 1	21 12	1 19	1 42	0 42	22 12	0 34	15 39	16 57	23 30	23 28	19 54	0 57	3 50
S 5	21 54	22 15	3 17	22 54	0 38	17 12	6 3	11 2	1 0	17 46	1 1	21 12	1 19	1 42	0 42	22 12	0 34	15 38	16 56	23 30	23 28	19 52	0 56	3 50
S 6	21 45	19 40	4 3	23 4	0 29	17 12	6 4	11 14	1 1	17 48	1 1	21 12	1 19	1 41	0 42	22 12	0 34	15 38	16 56	23 30	23 28	19 51	0 55	3 50
M 7	21 35	16 16	4 38	23 13	0 20	17 12	6 4	11 26	1 1	17 50	1 1	21 12	1 19	1 40	0 42	22 12	0 34	15 37	16 56	23 30	23 27	19 49	0 55	3 49
T 8	21 24	12 14	5 2	23 22	0 11	17 13	6 4	11 37	1 2	17 53	1 2	21 12	1 19	1 39	0 42	22 12	0 34	15 37	16 55	23 30	23 27	19 48	0 54	3 49
W 9	21 13	7 42	5 12	23 29	0 3	17 14	6 4	11 49	1 3	17 55	1 2	21 11	1 18	1 38	0 42	22 13	0 33	15 36	16 55	23 30	23 27	19 46	0 53	3 49
T 10	21 2	2 51	5 9	23 35	0s 5	17 16	6 3	12 1	1 4	17 57	1 2	21 11	1 18	1 38	0 42	22 13	0 33	15 36	16 55	23 30	23 27	19 45	0 52	3 49
F 11	20 50	2n12	4 52	23 40	0 13	17 18	6 2	12 12	1 4	17 59	1 2	21 11	1 18	1 37	0 42	22 13	0 33	15 35	16 54	23 30	23 27	19 43	0 52	3 49
S 12	20 38	7 16	4 21	23 44	0 21	17 20	6 0	12 24	1 5	18 2	1 2	21 11	1 18	1 36	0 42	22 13	0 33	15 34	16 54	23 30	23 27	19 41	0 51	3 48
S 13	20 26	12 11	3 36	23 47	0 29	17 24	5 58	12 36	1 6	18 4	1 2	21 11	1 18	1 35	0 42	22 13	0 33	15 34	16 54	23 30	23 27	19 40	0 50	3 48
M14	20 13	16 41	2 38	23 49	0 36	17 27	5 56	12 47	1 6	18 6	1 3	21 11	1 17	1 34	0 42	22 13	0 33	15 33	16 53	23 30	23 26	19 38	0 49	3 48
T 15	20 0	20 28	1 30	23 50	0 43	17 31	5 53	12 59	1 7	18 9	1 3	21 11	1 17	1 33	0 42	22 14	0 33	15 33	16 53	23 30	23 26	19 37	0 48	3 48
W16	19 46	23 10	0 14	23 49	0 50	17 35	5 51	13 11	1 7	18 11	1 3	21 11	1 17	1 32	0 42	22 14	0 33	15 32	16 53	23 30	23 26	19 35	0 47	3 47
T 17	19 32	24 24	1n 6	23 47	0 57	17 39	5 48	13 22	1 8	18 13	1 3	21 10	1 17	1 31	0 42	22 14	0 33	15 31	16 52	23 30	23 26	19 34	0 46	3 47
F 18	19 18	23 55	2 22	23 44	1 3	17 43	5 44	13 34	1 9	18 16	1 3	21 10	1 16	1 30	0 42	22 14	0 33	15 31	16 52	23 30	23 26	19 32	0 46	3 47
S 19	19 3	21 40	3 30	23 39	1 9	17 48	5 41	13 45	1 9	18 18	1 3	21 10	1 16	1 29	0 42	22 14	0 33	15 30	16 52	23 29	23 26	19 30	0 45	3 47
S 20	18 48	17 52	4 22	23 33	1 15	17 53	5 37	13 57	1 10	18 20	1 3	21 10	1 16	1 28	0 42	22 15	0 33	15 29	16 52	23 29	23 26	19 29	0 44	3 47
M21	18 33	12 54	4 56	23 26	1 21	17 58	5 33	14 8	1 10	18 23	1 4	21 10	1 16	1 27	0 42	22 15	0 33	15 29	16 51	23 29	23 26	19 27	0 43	3 46
T 22	18 17	7 16	5 9	23 17	1 26	18 2	5 29	14 20	1 11	18 25	1 4	21 10	1 16	1 26	0 42	22 15	0 33	15 28	16 51	23 29	23 25	19 26	0 42	3 46
W23	18 1	1 23	5 2	23 7	1 31	18 7	5 25	14 31	1 11	18 27	1 4	21 10	1 15	1 25	0 42	22 15	0 33	15 27	16 51	23 29	23 25	19 24	0 41	3 46
T 24	17 45	4s24	4 36	22 56	1 36	18 12	5 20	14 42	1 12	18 30	1 4	21 10	1 15	1 24	0 42	22 15	0 33	15 27	16 50	23 29	23 25	19 22	0 40	3 46
F 25	17 28	9 48	3 56	22 43	1 40	18 17	5 16	14 54	1 12	18 32	1 4	21 10	1 15	1 23	0 42	22 16	0 33	15 26	16 50	23 28	23 25	19 21	0 39	3 46
S 26	17 11	14 34	3 4	22 28	1 44	18 22	5 11	15 5	1 13	18 34	1 4	21 10	1 15	1 22	0 42	22 16	0 33	15 26	16 50	23 28	23 25	19 19	0 38	3 46
S 27	16 54	18 34	2 5	22 13	1 48	18 27	5 6	15 16	1 13	18 36	1 4	21 10	1 15	1 21	0 42	22 16	0 33	15 25	16 50	23 29	23 25	19 17	0 37	3 45
M28	16 37	21 36	1 1	21 55	1 51	18 32	5 1	15 27	1 14	18 39	1 4	21 11	1 14	1 20	0 42	22 16	0 33	15 24	16 49	23 29	23 24	19 16	0 36	3 45
T 29	16 19	23 35	0s 5	21 36	1 55	18 37	4 56	15 38	1 14	18 41	1 4	21 11	1 14	1 19	0 42	22 16	0 33	15 24	16 49	23 29	23 24	19 14	0 35	3 45
W30	16 1	24 27	1 9	21 16	1 57	18 41	4 51	15 49	1 14	18 43	1 4	21 11	1 14	1 18	0 42	22 16	0 33	15 23	16 49	23 29	23 24	19 12	0 33	3 45
T 31	15s43	24s 9	2s10	20s54	2s 0	18s46	4n46	16n 1	1n15	18n45	1n 5	21n11	1s14	1s17	0s42	22n17	0s33	15s22	16s49	23n28	23n24	19s11	0s32	3n45

Julian Day Number = 2119180.5, Delta T = 18m15s
Ecliptic obliquity = 23°33'26, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°03'16, Lahiri = 11°10'17 Julian Calendar 1 Jan. 1090 == Greg. Calendar 7 Jan. 1090

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1090
geocentric

FEBRUARY 1090 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 7 26	18♒21'58	2♒ 8	7♒16	3♉58	10♉22	10°R16	12°R26	28♓26	13°R55	0♈ 1	25°R13	23♊31	19♒17	20♓ 3	F 1
S 2	9 11 22	19°22'25	13°58	8°57	4°45	10°55	10♌ 8	12♊25	28°29	13♋54	0° 2	25♊ 4	23°28	19°23	20° 6	S 2
S 3	9 15 19	20°22'50	25°49	10°39	5°33	11°29	10° 0	12°25	28°32	13°52	0° 4	24°54	23°25	19°30	20°10	S 3
M 4	9 19 16	21°23'14	7♓41	12°22	6°22	12° 2	9°53	12°25	28°35	13°51	0° 5	24°43	23°22	19°37	20°13	M 4
T 5	9 23 12	22°23'36	19°37	14° 6	7°12	12°36	9°45	12°24	28°38	13°50	0° 6	24°31	23°18	19°43	20°16	T 5
W 6	9 27 9	23°23'55	1♈37	15°52	8° 3	13°10	9°37	12°D24	28°41	13°49	0° 7	24°20	23°15	19°50	20°20	W 6
T 7	9 31 5	24°24'13	13°45	17°38	8°54	13°43	9°30	12°24	28°44	13°47	0° 8	24°11	23°12	19°57	20°23	T 7
F 8	9 35 2	25°24'29	26° 2	19°25	9°46	14°17	9°22	12°24	28°47	13°46	0°10	24° 5	23° 9	20° 3	20°26	F 8
S 9	9 38 58	26°24'43	8♉32	21°13	10°38	14°51	9°15	12°25	28°50	13°45	0°11	24° 1	23° 6	20°10	20°30	S 9
S 10	9 42 55	27°24'55	21°18	23° 2	11°31	15°25	9° 8	12°25	28°53	13°44	0°12	23°59	23° 3	20°17	20°33	S 10
M11	9 46 51	28°25'04	4♊25	24°53	12°25	15°59	9° 1	12°26	28°56	13°43	0°13	23°D59	22°59	20°24	20°37	M11
T 12	9 50 48	29°25'12	17°56	26°44	13°19	16°33	8°54	12°26	28°59	13°42	0°15	24°R 0	22°56	20°30	20°40	T 12
W13	9 54 44	0♓25'17	1♋54	28°36	14°14	17° 8	8°47	12°27	29° 2	13°41	0°16	23°59	22°53	20°37	20°44	W13
T 14	9 58 41	1°25'20	16°18	0♓29	15°10	17°42	8°40	12°28	29° 5	13°40	0°17	23°58	22°50	20°44	20°47	T 14
F 15	10 2 38	2°25'21	1♌ 7	2°23	16° 6	18°16	8°33	12°29	29° 8	13°39	0°18	23°53	22°47	20°50	20°51	F 15
S 16	10 6 34	3°25'20	16°15	4°18	17° 2	18°51	8°26	12°30	29°11	13°38	0°20	23°46	22°44	20°57	20°54	S 16
S 17	10 10 31	4°25'17	1♍34	6°14	17°59	19°25	8°20	12°31	29°14	13°37	0°21	23°37	22°40	21° 4	20°58	S 17
M18	10 14 27	5°25'12	16°51	8°11	18°57	20° 0	8°14	12°32	29°18	13°36	0°22	23°26	22°37	21°10	21° 1	M18
T 19	10 18 24	6°25'05	1♎56	10° 8	19°55	20°34	8° 7	12°34	29°21	13°35	0°24	23°16	22°34	21°17	21° 5	T 19
W20	10 22 20	7°24'56	16°39	12° 6	20°53	21° 9	8° 1	12°35	29°24	13°34	0°25	23° 6	22°31	21°24	21° 8	W20
T 21	10 26 17	8°24'45	0♏54	14° 4	21°52	21°43	7°55	12°37	29°27	13°33	0°26	22°59	22°28	21°31	21°12	T 21
F 22	10 30 13	9°24'32	14°39	16° 3	22°51	22°18	7°49	12°39	29°31	13°32	0°28	22°55	22°24	21°37	21°16	F 22
S 23	10 34 10	10°24'18	27°54	18° 1	23°51	22°53	7°44	12°40	29°34	13°32	0°29	22°52	22°21	21°44	21°19	S 23
S 24	10 38 7	11°24'02	10♐42	20° 0	24°51	23°28	7°38	12°42	29°37	13°31	0°30	22°D52	22°18	21°51	21°23	S 24
M25	10 42 3	12°23'44	23° 9	21°58	25°51	24° 2	7°32	12°44	29°40	13°30	0°32	22°R52	22°15	21°57	21°26	M25
T 26	10 46 0	13°23'25	5♑19	23°55	26°52	24°37	7°27	12°47	29°44	13°29	0°33	22°51	22°12	22° 4	21°30	T 26
W27	10 49 56	14°23'04	17°17	25°50	27°53	25°12	7°22	12°49	29°47	13°29	0°35	22°49	22° 9	22°11	21°34	W27
T 28	10 53 53	15♓22'41	29♑ 9	27♓45	28♑55	25♉47	7♌17	12♊51	29♓50	13♋28	0♈36	22♊45	22♊ 5	22♒18	21♓37	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	15s24	22s46	3s 4	20s30	2s 2	18s50	4n40	16n11	1n15	18n48	1n 5	21n11	1s13	1s16	0s42	22n17	0s33	15s22	16s48	23n28	23n24	19s 9	0s31	3n45
S 2	15 5	20 23	3 50	20 5	2 3	18 54	4 35	16 22	1 16	18 50	1 5	21 11	1 13	1 14	0 42	22 17	0 33	15 21	16 48	23 28	23 24	19 7	0 30	3 44
S 3	14 46	17 9	4 26	19 39	2 5	18 57	4 29	16 33	1 16	18 52	1 5	21 11	1 13	1 13	0 42	22 17	0 33	15 20	16 48	23 28	23 24	19 6	0 29	3 44
M 4	14 27	13 13	4 51	19 11	2 5	19 1	4 24	16 44	1 16	18 54	1 5	21 12	1 13	1 12	0 42	22 17	0 33	15 20	16 48	23 27	23 23	19 4	0 28	3 44
T 5	14 7	8 46	5 3	18 41	2 6	19 4	4 18	16 55	1 17	18 56	1 5	21 12	1 13	1 11	0 42	22 17	0 33	15 19	16 47	23 27	23 23	19 2	0 27	3 44
W 6	13 47	3 58	5 2	18 10	2 6	19 7	4 12	17 5	1 17	18 58	1 5	21 12	1 12	1 10	0 41	22 17	0 33	15 18	16 47	23 26	23 23	19 1	0 25	3 44
T 7	13 27	1n 3	4 47	17 37	2 5	19 9	4 7	17 16	1 17	19 0	1 5	21 12	1 12	1 9	0 41	22 18	0 33	15 18	16 47	23 26	23 23	18 59	0 24	3 44
F 8	13 7	6 5	4 19	17 2	2 4	19 12	4 1	17 26	1 18	19 2	1 5	21 12	1 12	1 7	0 41	22 18	0 33	15 17	16 47	23 25	23 23	18 57	0 23	3 43
S 9	12 46	10 59	3 38	16 26	2 3	19 14	3 55	17 37	1 18	19 4	1 5	21 13	1 12	1 6	0 41	22 18	0 33	15 16	16 47	23 25	23 23	18 56	0 22	3 43
S 10	12 26	15 31	2 45	15 49	2 1	19 15	3 49	17 47	1 18	19 6	1 5	21 13	1 11	1 5	0 41	22 18	0 33	15 16	16 46	23 25	23 22	18 54	0 21	3 43
M11	12 5	19 27	1 42	15 9	1 59	19 16	3 43	17 57	1 19	19 8	1 5	21 13	1 11	1 4	0 41	22 18	0 33	15 15	16 46	23 25	23 22	18 52	0 19	3 43
T 12	11 44	22 28	0 32	14 29	1 56	19 17	3 37	18 8	1 19	19 10	1 5	21 14	1 11	1 2	0 41	22 18	0 33	15 14	16 46	23 25	23 22	18 50	0 18	3 43
W13	11 23	24 15	0n42	13 46	1 52	19 18	3 31	18 18	1 19	19 12	1 5	21 14	1 11	1 1	0 41	22 18	0 33	15 14	16 46	23 25	23 22	18 49	0 17	3 43
T 14	11 1	24 28	1 56	13 3	1 48	19 18	3 25	18 28	1 19	19 14	1 5	21 14	1 11	1 0	0 41	22 19	0 33	15 13	16 46	23 25	23 22	18 47	0 16	3 43
F 15	10 40	23 0	3 4	12 17	1 44	19 17	3 19	18 38	1 20	19 16	1 5	21 15	1 10	0 59	0 41	22 19	0 33	15 12	16 45	23 25	23 22	18 45	0 14	3 43
S 16	10 18	19 51	4 0	11 31	1 39	19 16	3 13	18 48	1 20	19 17	1 5	21 15	1 10	0 57	0 41	22 19	0 33	15 12	16 45	23 25	23 21	18 43	0 13	3 42
S 17	9 56	15 19	4 40	10 42	1 33	19 15	3 7	18 57	1 20	19 19	1 5	21 15	1 10	0 56	0 41	22 19	0 33	15 11	16 45	23 24	23 21	18 42	0 12	3 42
M18	9 34	9 49	5 0	9 53	1 27	19 13	3 1	19 7	1 20	19 21	1 5	21 16	1 10	0 55	0 41	22 19	0 33	15 10	16 45	23 24	23 21	18 40	0 10	3 42
T 19	9 12	3 47	4 58	9 2	1 20	19 11	2 55	19 17	1 21	19 22	1 5	21 16	1 9	0 53	0 41	22 19	0 33	15 10	16 45	23 23	23 21	18 38	0 9	3 42
W20	8 50	2s19	4 37	8 10	1 13	19 8	2 49	19 26	1 21	19 24	1 5	21 16	1 9	0 52	0 41	22 19	0 33	15 9	16 45	23 23	23 21	18 36	0 8	3 42
T 21	8 27	8 7	3 59	7 17	1 5	19 5	2 43	19 35	1 21	19 26	1 5	21 17	1 9	0 51	0 41	22 19	0 33	15 8	16 45	23 22	23 21	18 35	0 6	3 42
F 22	8 5	13 19	3 8	6 23	0 56	19 2	2 37	19 45	1 21	19 27	1 5	21 17	1 9	0 50	0 41	22 20	0 33	15 8	16 44	23 22	23 20	18 33	0 5	3 42
S 23	7 42	17 42	2 8	5 29	0 47	18 58	2 31	19 54	1 21	19 29	1 5	21 18	1 9	0 48	0 41	22 20	0 33	15 7	16 44	23 22	23 20	18 31	0 4	3 42
S 24	7 19	21 6	1 4	4 33	0 37	18 53	2 25	20 3	1 22	19 30	1 5	21 18	1 8	0 47	0 41	22 20	0 32	15 6	16 44	23 22	23 20	18 29	0 2	3 42
M25	6 57	23 24	0s 1	3 37	0 27	18 48	2 19	20 12	1 22	19 31	1 5	21 19	1 8	0 46	0 41	22 20	0 32	15 6	16 44	23 22	23 20	18 28	0 1	3 42
T 26	6 34	24 32	1 5	2 41	0 16	18 42	2 13	20 21	1 22	19 33	1 5	21 19	1 8	0 44	0 41	22 20	0 32	15 5	16 44	23 22	23 20	18 26	0n 0	3 41
W27	6 11	24 30	2 5	1 44	0 5	18 36	2 7	20 29	1 22	19 34	1 5	21 20	1 8	0 43	0 41	22 20	0 32	15 4	16 44	23 22	23 19	18 24	0 2	3 41
T 28	5s47	23s21	2s59	0s48	0n 7	18s30	2n 2	20n38	1n22	19n35	1n 5	21n20	1s 7	0s42	0s41	22n20	0s32	15s 4	16s44	23n21	23n19	18s22	0n 3	3n41

Julian Day Number = 2119211.5, Delta T = 18m15s
Ecliptic obliquity = 23°33'27, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°03'20, Lahiri = 11°10'21 Julian Calendar 1 Feb. 1090 == Greg. Calendar 7 Feb. 1090

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1090
geocentric

MARCH 1090 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 57 49	16♓22'16	10♒57	29♓37	29♉57	26♉22	7°R12	12♊54	29♓54	13°R27	0♈37	22°R37	22♊ 2	22♒24	21♓41	F 1
S 2	11 1 46	17°21'49	22°47	1♈27	0♒59	26°57	7♌ 8	12°56	29°57	13♋27	0°39	22♊26	21°59	22°31	21°45	S 2
S 3	11 5 42	18°21'20	4♓39	3°14	2° 1	27°33	7° 3	12°59	0♈ 1	13°26	0°40	22°14	21°56	22°38	21°48	S 3
M 4	11 9 39	19°20'49	16°36	4°58	3° 4	28° 8	6°59	13° 2	0° 4	13°26	0°42	21°59	21°53	22°44	21°52	M 4
T 5	11 13 36	20°20'16	28°40	6°39	4° 6	28°43	6°55	13° 5	0° 7	13°25	0°43	21°45	21°50	22°51	21°56	T 5
W 6	11 17 32	21°19'41	10♈50	8°15	5°10	29°18	6°51	13° 8	0°11	13°25	0°45	21°31	21°46	22°58	21°59	W 6
T 7	11 21 29	22°19'03	23° 8	9°47	6°13	29°54	6°47	13°11	0°14	13°25	0°46	21°19	21°43	23° 4	22° 3	T 7
F 8	11 25 25	23°18'24	5♉35	11°14	7°17	0♊29	6°43	13°14	0°18	13°24	0°47	21°10	21°40	23°11	22° 7	F 8
S 9	11 29 22	24°17'42	18°14	12°35	8°20	1° 4	6°40	13°17	0°21	13°24	0°49	21° 4	21°37	23°18	22°10	S 9
S 10	11 33 18	25°16'58	1♊ 5	13°51	9°25	1°40	6°36	13°20	0°24	13°24	0°50	21° 1	21°34	23°25	22°14	S 10
M11	11 37 15	26°16'12	14°13	15° 1	10°29	2°15	6°33	13°24	0°28	13°23	0°52	21° 0	21°30	23°31	22°18	M11
T 12	11 41 11	27°15'23	27°39	16° 5	11°33	2°51	6°30	13°28	0°31	13°23	0°53	21° 0	21°27	23°38	22°21	T 12
W13	11 45 8	28°14'32	11♋26	17° 3	12°38	3°26	6°28	13°31	0°35	13°23	0°55	21° 0	21°24	23°45	22°25	W13
T 14	11 49 5	29°13'38	25°36	17°54	13°43	4° 2	6°25	13°35	0°38	13°23	0°56	20°58	21°21	23°51	22°29	T 14
F 15	11 53 1	0♈12'42	10♌ 8	18°38	14°48	4°37	6°23	13°39	0°42	13°23	0°58	20°54	21°18	23°58	22°32	F 15
S 16	11 56 58	1°11'44	24°58	19°16	15°54	5°13	6°21	13°43	0°45	13°22	0°59	20°47	21°15	24° 5	22°36	S 16
S 17	12 0 54	2°10'44	9♍59	19°46	16°59	5°49	6°19	13°47	0°48	13°22	1° 0	20°37	21°11	24°12	22°40	S 17
M18	12 4 51	3° 9'41	25° 4	20°10	18° 5	6°24	6°17	13°51	0°52	13°22	1° 2	20°27	21° 8	24°18	22°43	M18
T 19	12 8 47	4° 8'36	10♎ 1	20°27	19°11	7° 0	6°15	13°55	0°55	13°D22	1° 3	20°16	21° 5	24°25	22°47	T 19
W20	12 12 44	5° 7'29	24°42	20°36	20°17	7°36	6°14	13°59	0°59	13°22	1° 5	20° 6	21° 2	24°32	22°51	W20
T 21	12 16 40	6° 6'20	8♏59	20°R40	21°23	8°11	6°12	14° 4	1° 2	13°22	1° 6	19°58	20°59	24°38	22°54	T 21
F 22	12 20 37	7° 5'09	22°48	20°36	22°29	8°47	6°11	14° 8	1° 6	13°22	1° 8	19°53	20°55	24°45	22°58	F 22
S 23	12 24 33	8° 3'57	6♐ 9	20°27	23°36	9°23	6°10	14°13	1° 9	13°23	1° 9	19°50	20°52	24°52	23° 1	S 23
S 24	12 28 30	9° 2'42	19° 2	20°11	24°43	9°59	6°10	14°18	1°12	13°23	1°11	19°D49	20°49	24°58	23° 5	S 24
M25	12 32 27	10° 1'26	1♑33	19°50	25°50	10°34	6° 9	14°22	1°16	13°23	1°12	19°50	20°46	25° 5	23° 8	M25
T 26	12 36 23	11° 0'09	13°46	19°24	26°57	11°10	6° 9	14°27	1°19	13°23	1°13	19°R50	20°43	25°12	23°12	T 26
W27	12 40 20	11°58'49	25°46	18°54	28° 4	11°46	6°D 9	14°32	1°23	13°23	1°15	19°49	20°40	25°19	23°15	W27
T 28	12 44 16	12°57'28	7♒39	18°19	29°11	12°22	6° 9	14°37	1°26	13°24	1°16	19°46	20°36	25°25	23°19	T 28
F 29	12 48 13	13°56'05	19°29	17°42	0♓18	12°58	6° 9	14°42	1°29	13°24	1°18	19°40	20°33	25°32	23°22	F 29
S 30	12 52 9	14°54'40	1♓20	17° 2	1°26	13°34	6°10	14°47	1°33	13°24	1°19	19°32	20°30	25°39	23°26	S 30
S 31	12 56 6	15♈53'14	13♓16	16♈21	2♓34	14♊10	6♌10	14♊52	1♈36	13♋25	1♈21	19♊23	20♊27	25♒45	23♓29	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5s24	21s10	3s45	0n 8	0n18	18s23	1n56	20n46	1n22	19n36	1n 5	21n21	1s 7	0s40	0s41	22n20	0s32	15s 3	16s44	23n21	23n19	18s20	0n 4	3n41
S 2	5 1	18 6	4 21	1 3	0 31	18 15	1 50	20 55	1 23	19 38	1 5	21 21	1 7	0 39	0 41	22 20	0 32	15 2	16 44	23 20	23 19	18 18	0 6	3 41
S 3	4 38	14 17	4 46	1 57	0 43	18 7	1 44	21 3	1 23	19 39	1 5	21 22	1 7	0 37	0 41	22 20	0 32	15 2	16 44	23 20	23 19	18 17	0 7	3 41
M 4	4 14	9 53	4 58	2 50	0 56	17 58	1 39	21 11	1 23	19 40	1 5	21 22	1 7	0 36	0 41	22 20	0 32	15 1	16 43	23 19	23 18	18 15	0 9	3 41
T 5	3 51	5 4	4 57	3 42	1 8	17 49	1 33	21 19	1 23	19 41	1 5	21 23	1 6	0 35	0 41	22 21	0 32	15 0	16 43	23 18	23 18	18 13	0 10	3 41
W 6	3 27	0 2	4 43	4 31	1 21	17 40	1 27	21 27	1 23	19 42	1 5	21 24	1 6	0 33	0 41	22 21	0 32	15 0	16 43	23 17	23 18	18 11	0 11	3 41
T 7	3 4	5n 5	4 15	5 19	1 33	17 30	1 22	21 35	1 23	19 43	1 5	21 24	1 6	0 32	0 41	22 21	0 32	14 59	16 43	23 16	23 18	18 9	0 13	3 41
F 8	2 40	10 4	3 35	6 4	1 45	17 19	1 16	21 43	1 23	19 44	1 5	21 25	1 6	0 31	0 41	22 21	0 32	14 59	16 43	23 16	23 18	18 7	0 14	3 41
S 9	2 17	14 43	2 44	6 47	1 57	17 8	1 11	21 50	1 23	19 44	1 4	21 25	1 6	0 29	0 41	22 21	0 32	14 58	16 43	23 15	23 17	18 6	0 16	3 41
S 10	1 53	18 48	1 43	7 27	2 8	16 56	1 5	21 58	1 24	19 45	1 4	21 26	1 5	0 28	0 41	22 21	0 32	14 57	16 43	23 15	23 17	18 4	0 17	3 41
M11	1 29	22 2	0 36	8 5	2 19	16 44	1 0	22 5	1 24	19 46	1 4	21 27	1 5	0 26	0 41	22 21	0 32	14 57	16 43	23 15	23 17	18 2	0 18	3 41
T 12	1 6	24 7	0n35	8 39	2 29	16 32	0 55	22 12	1 24	19 47	1 4	21 27	1 5	0 25	0 41	22 21	0 32	14 56	16 43	23 15	23 17	18 0	0 20	3 41
W13	0 42	24 49	1 46	9 10	2 38	16 19	0 49	22 19	1 24	19 47	1 4	21 28	1 5	0 24	0 41	22 21	0 32	14 56	16 43	23 15	23 17	17 58	0 21	3 41
T 14	0 19	23 56	2 52	9 37	2 47	16 5	0 44	22 26	1 24	19 48	1 4	21 29	1 5	0 22	0 41	22 21	0 32	14 55	16 43	23 15	23 16	17 56	0 23	3 41
F 15	0n 5	21 27	3 49	10 1	2 54	15 51	0 39	22 33	1 24	19 48	1 4	21 29	1 4	0 21	0 41	22 21	0 32	14 54	16 43	23 15	23 16	17 54	0 24	3 41
S 16	0 29	17 31	4 31	10 22	3 1	15 37	0 34	22 39	1 24	19 49	1 4	21 30	1 4	0 20	0 41	22 21	0 32	14 54	16 43	23 14	23 16	17 52	0 25	3 40
S 17	0 52	12 25	4 56	10 39	3 6	15 22	0 29	22 46	1 24	19 49	1 4	21 31	1 4	0 18	0 41	22 21	0 32	14 53	16 43	23 13	23 16	17 51	0 27	3 40
M18	1 16	6 33	5 0	10 52	3 11	15 6	0 24	22 52	1 24	19 49	1 4	21 31	1 4	0 17	0 41	22 21	0 32	14 53	16 43	23 13	23 16	17 49	0 28	3 40
T 19	1 39	0 21	4 43	11 1	3 14	14 51	0 19	22 58	1 24	19 50	1 4	21 32	1 4	0 15	0 41	22 21	0 32	14 52	16 43	23 12	23 15	17 47	0 30	3 40
W20	2 3	5s46	4 8	11 6	3 16	14 34	0 14	23 4	1 24	19 50	1 4	21 33	1 3	0 14	0 41	22 21	0 32	14 52	16 43	23 11	23 15	17 45	0 31	3 40
T 21	2 26	11 26	3 18	11 8	3 16	14 18	0 10	23 10	1 24	19 50	1 4	21 33	1 3	0 13	0 41	22 21	0 32	14 51	16 43	23 11	23 15	17 43	0 32	3 40
F 22	2 50	16 20	2 18	11 5	3 15	14 0	0 5	23 16	1 24	19 50	1 3	21 34	1 3	0 11	0 41	22 21	0 32	14 51	16 43	23 10	23 15	17 41	0 34	3 40
S 23	3 13	20 16	1 12	10 59	3 12	13 43	0 0	23 21	1 24	19 51	1 3	21 35	1 3	0 10	0 41	22 21	0 32	14 50	16 43	23 10	23 15	17 39	0 35	3 40
S 24	3 36	23 2	0 4	10 50	3 8	13 25	0s 4	23 27	1 24	19 51	1 3	21 35	1 3	0 9	0 41	22 21	0 32	14 49	16 43	23 10	23 14	17 37	0 37	3 40
M25	3 59	24 35	1s 2	10 36	3 2	13 7	0 9	23 32	1 24	19 51	1 3	21 36	1 2	0 7	0 41	22 21	0 32	14 49	16 43	23 10	23 14	17 35	0 38	3 40
T 26	4 22	24 53	2 4	10 20	2 55	12 48	0 13	23 37	1 24	19 51	1 3	21 37	1 2	0 6	0 41	22 21	0 32	14 48	16 43	23 10	23 14	17 33	0 40	3 40
W27	4 46	24 1	2 59	10 0	2 47	12 29	0 17	23 42	1 25	19 51	1 3	21 38	1 2	0 5	0 41	22 21	0 32	14 48	16 43	23 10	23 14	17 31	0 41	3 40
T 28	5 8	22 5	3 46	9 38	2 37	12 9	0 21	23 47	1 25	19 51	1 3	21 38	1 2	0 3	0 41	22 21	0 32	14 47	16 43	23 10	23 13	17 29	0 42	3 40
F 29	5 31	19 12	4 22	9 13	2 25	11 49	0 26	23 52	1 25	19 50	1 3	21 39	1 2	0 2	0 41	22 21	0 32	14 47	16 44	23 9	23 13	17 27	0 44	3 40
S 30	5 54	15 32	4 48	8 46	2 13	11 29	0 30	23 56	1 25	19 50	1 3	21 40	1 2	0 1	0 41	22 21	0 32	14 46	16 44	23 9	23 13	17 25	0 45	3 40
S 31	6n17	11s14	5s 1	8n17	1n59	11s 8	0s33	24n 1	1n25	19n50	1n 3	21n41	1s 1	0n 1	0s41	22n21	0s31	14s46	16s44	23n 8	23n13	17s23	0n46	3n40

Julian Day Number = 2119239.5, Delta T = 18m15s
Ecliptic obliquity = 23°33'28, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°03'24, Lahiri = 11°10'25 Julian Calendar 1 March 1090 == Greg. Calendar 7 March 1090

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1090
geocentric

APRIL 1090 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 0 2	16♈51'45	25♓19	15°R38	3♓41	14♊46	6♌11	14♊58	1♈39	13♋25	1♈22	19°R11	20♊24	25♒52	23♓33	M 1
T 2	13 3 59	17°50'15	7♈31	14♈56	4°49	15°22	6°12	15° 3	1°43	13°26	1°23	19♊ 0	20°21	25°59	23°36	T 2
W 3	13 7 56	18°48'43	19°54	14°15	5°57	15°58	6°13	15° 8	1°46	13°26	1°25	18°49	20°17	26° 6	23°40	W 3
T 4	13 11 52	19°47'09	2♉27	13°35	7° 5	16°34	6°15	15°14	1°49	13°27	1°26	18°39	20°14	26°12	23°43	T 4
F 5	13 15 49	20°45'33	15°11	12°57	8°13	17°10	6°16	15°19	1°53	13°27	1°28	18°32	20°11	26°19	23°46	F 5
S 6	13 19 45	21°43'55	28° 7	12°22	9°22	17°46	6°18	15°25	1°56	13°28	1°29	18°28	20° 8	26°26	23°50	S 6
S 7	13 23 42	22°42'15	11♊14	11°50	10°30	18°23	6°20	15°31	1°59	13°28	1°30	18°26	20° 5	26°32	23°53	S 7
M 8	13 27 38	23°40'33	24°33	11°21	11°39	18°59	6°22	15°37	2° 3	13°29	1°32	18°D26	20° 1	26°39	23°56	M 8
T 9	13 31 35	24°38'49	8♋ 7	10°57	12°47	19°35	6°24	15°42	2° 6	13°30	1°33	18°27	19°58	26°46	24° 0	T 9
W10	13 35 31	25°37'03	21°54	10°37	13°56	20°11	6°27	15°48	2° 9	13°31	1°34	18°R27	19°55	26°53	24° 3	W10
T 11	13 39 28	26°35'15	5♌57	10°22	15° 5	20°47	6°29	15°54	2°12	13°31	1°36	18°27	19°52	26°59	24° 6	T 11
F 12	13 43 25	27°33'24	20°15	10°11	16°13	21°24	6°32	16° 0	2°15	13°32	1°37	18°25	19°49	27° 6	24° 9	F 12
S 13	13 47 21	28°31'32	4♍45	10° 5	17°22	22° 0	6°35	16° 6	2°19	13°33	1°38	18°21	19°46	27°13	24°13	S 13
S 14	13 51 18	29°29'37	19°22	10°D 4	18°31	22°36	6°38	16°13	2°22	13°34	1°40	18°15	19°42	27°19	24°16	S 14
M15	13 55 14	0♉27'41	4♎ 2	10° 8	19°40	23°12	6°41	16°19	2°25	13°35	1°41	18° 8	19°39	27°26	24°19	M15
T 16	13 59 11	1°25'43	18°36	10°16	20°50	23°49	6°45	16°25	2°28	13°36	1°42	18° 0	19°36	27°33	24°22	T 16
W17	14 3 7	2°23'43	2♏58	10°29	21°59	24°25	6°49	16°31	2°31	13°36	1°44	17°54	19°33	27°40	24°25	W17
T 18	14 7 4	3°21'41	17° 3	10°47	23° 8	25° 1	6°52	16°38	2°34	13°37	1°45	17°49	19°30	27°46	24°28	T 18
F 19	14 11 0	4°19'38	0♐45	11° 9	24°17	25°38	6°56	16°44	2°37	13°38	1°46	17°45	19°27	27°53	24°31	F 19
S 20	14 14 57	5°17'33	14° 3	11°36	25°27	26°14	7° 0	16°51	2°40	13°39	1°47	17°D44	19°23	28° 0	24°34	S 20
S 21	14 18 54	6°15'27	26°57	12° 6	26°36	26°50	7° 5	16°57	2°43	13°40	1°49	17°44	19°20	28° 6	24°37	S 21
M22	14 22 50	7°13'20	9♑31	12°41	27°46	27°27	7° 9	17° 4	2°46	13°42	1°50	17°46	19°17	28°13	24°40	M22
T 23	14 26 47	8°11'11	21°47	13°20	28°56	28° 3	7°14	17°10	2°49	13°43	1°51	17°47	19°14	28°20	24°43	T 23
W24	14 30 43	9° 9'02	3♒50	14° 2	0♈ 6	28°40	7°19	17°17	2°52	13°44	1°52	17°R48	19°11	28°27	24°46	W24
T 25	14 34 40	10° 6'50	15°45	14°48	1°15	29°16	7°24	17°24	2°55	13°45	1°53	17°48	19° 7	28°33	24°48	T 25
F 26	14 38 36	11° 4'38	27°37	15°38	2°25	29°52	7°29	17°31	2°58	13°46	1°55	17°47	19° 4	28°40	24°51	F 26
S 27	14 42 33	12° 2'24	9♓31	16°31	3°35	0♋29	7°34	17°38	3° 1	13°47	1°56	17°44	19° 1	28°47	24°54	S 27
S 28	14 46 29	13° 0'09	21°30	17°27	4°45	1° 5	7°39	17°44	3° 4	13°49	1°57	17°39	18°58	28°53	24°57	S 28
M29	14 50 26	13°57'53	3♈39	18°26	5°55	1°42	7°45	17°51	3° 6	13°50	1°58	17°34	18°55	29° 0	24°59	M29
T 30	14 54 23	14♉55'36	15♈59	19♈29	7♈ 5	2♋18	7♌51	17♊58	3♈ 9	13♋51	1♈59	17♊28	18♊52	29♒ 7	25♓ 2	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	6n39	6s28	5s 1	7n47	1n44	10s47	0s37	24n 5	1n25	19n50	1n 2	21n41	1s 1	0n 2	0s41	22n21	0s31	14s45	16s44	23n 7	23n12	17s21	0n48	3n40
T 2	7 2	1 24	4 47	7 17	1 29	10 26	0 41	24 9	1 25	19 49	1 2	21 42	1 1	0 3	0 41	22 21	0 31	14 45	16 44	23 6	23 12	17 20	0 49	3 40
W 3	7 24	3n48	4 20	6 46	1 13	10 4	0 45	24 13	1 25	19 49	1 2	21 43	1 1	0 5	0 41	22 21	0 31	14 45	16 44	23 5	23 12	17 18	0 51	3 41
T 4	7 47	8 57	3 40	6 15	0 56	9 42	0 48	24 17	1 24	19 48	1 2	21 44	1 1	0 6	0 41	22 21	0 31	14 44	16 44	23 4	23 12	17 16	0 52	3 41
F 5	8 9	13 48	2 48	5 44	0 39	9 20	0 52	24 20	1 24	19 48	1 2	21 45	1 0	0 7	0 41	22 21	0 31	14 44	16 44	23 4	23 12	17 14	0 53	3 41
S 6	8 31	18 6	1 47	5 15	0 22	8 57	0 55	24 24	1 24	19 47	1 2	21 45	1 0	0 9	0 41	22 21	0 31	14 43	16 44	23 3	23 11	17 12	0 55	3 41
S 7	8 52	21 36	0 39	4 47	0 6	8 34	0 58	24 27	1 24	19 47	1 2	21 46	1 0	0 10	0 41	22 21	0 31	14 43	16 44	23 3	23 11	17 10	0 56	3 41
M 8	9 14	23 59	0n33	4 21	0s11	8 11	1 2	24 30	1 24	19 46	1 2	21 47	1 0	0 11	0 41	22 21	0 31	14 42	16 45	23 3	23 11	17 8	0 57	3 41
T 9	9 36	25 2	1 44	3 56	0 27	7 47	1 5	24 33	1 24	19 46	1 2	21 48	1 0	0 13	0 41	22 21	0 31	14 42	16 45	23 3	23 11	17 6	0 59	3 41
W10	9 57	24 33	2 50	3 34	0 43	7 24	1 8	24 36	1 24	19 45	1 2	21 49	1 0	0 14	0 41	22 21	0 31	14 42	16 45	23 3	23 10	17 4	1 0	3 41
T 11	10 18	22 32	3 47	3 14	0 58	7 0	1 11	24 38	1 24	19 44	1 1	21 49	0 59	0 15	0 41	22 21	0 31	14 41	16 45	23 3	23 10	17 2	1 1	3 41
F 12	10 39	19 5	4 31	2 56	1 13	6 35	1 14	24 41	1 24	19 43	1 1	21 50	0 59	0 16	0 41	22 21	0 31	14 41	16 45	23 3	23 10	16 59	1 3	3 41
S 13	11 0	14 26	4 58	2 41	1 27	6 11	1 16	24 43	1 24	19 42	1 1	21 51	0 59	0 18	0 41	22 21	0 31	14 40	16 45	23 3	23 10	16 57	1 4	3 41
S 14	11 21	8 56	5 7	2 29	1 40	5 46	1 19	24 45	1 24	19 42	1 1	21 52	0 59	0 19	0 41	22 21	0 31	14 40	16 45	23 2	23 9	16 55	1 5	3 41
M15	11 41	2 54	4 55	2 19	1 52	5 21	1 22	24 47	1 24	19 41	1 1	21 52	0 59	0 20	0 41	22 21	0 31	14 40	16 46	23 1	23 9	16 53	1 7	3 41
T 16	12 2	3s15	4 25	2 12	2 3	4 56	1 24	24 49	1 24	19 40	1 1	21 53	0 59	0 21	0 41	22 21	0 31	14 39	16 46	23 1	23 9	16 51	1 8	3 41
W17	12 22	9 9	3 38	2 7	2 14	4 31	1 26	24 50	1 24	19 39	1 1	21 54	0 59	0 23	0 41	22 21	0 31	14 39	16 46	23 0	23 9	16 49	1 9	3 41
T 18	12 42	14 29	2 38	2 5	2 24	4 6	1 29	24 52	1 24	19 37	1 1	21 55	0 58	0 24	0 41	22 21	0 31	14 39	16 46	23 0	23 8	16 47	1 10	3 41
F 19	13 2	18 56	1 31	2 6	2 32	3 40	1 31	24 53	1 24	19 36	1 1	21 56	0 58	0 25	0 41	22 21	0 31	14 38	16 46	22 59	23 8	16 45	1 12	3 41
S 20	13 21	22 16	0 20	2 9	2 40	3 14	1 33	24 54	1 24	19 35	1 0	21 56	0 58	0 26	0 41	22 20	0 31	14 38	16 47	22 59	23 8	16 43	1 13	3 41
S 21	13 40	24 21	0s50	2 14	2 47	2 48	1 35	24 55	1 24	19 34	1 0	21 57	0 58	0 27	0 41	22 20	0 31	14 38	16 47	22 59	23 8	16 41	1 14	3 41
M22	13 59	25 8	1 55	2 22	2 54	2 22	1 37	24 56	1 24	19 33	1 0	21 58	0 58	0 29	0 41	22 20	0 31	14 37	16 47	22 59	23 7	16 39	1 15	3 42
T 23	14 18	24 39	2 54	2 32	2 59	1 56	1 39	24 56	1 24	19 31	1 0	21 59	0 58	0 30	0 41	22 20	0 31	14 37	16 47	23 0	23 7	16 37	1 17	3 42
W24	14 37	23 1	3 44	2 45	3 4	1 30	1 40	24 56	1 23	19 30	1 0	22 0	0 58	0 31	0 41	22 20	0 31	14 37	16 47	23 0	23 7	16 35	1 18	3 42
T 25	14 55	20 23	4 24	2 59	3 7	1 3	1 42	24 57	1 23	19 29	1 0	22 0	0 57	0 32	0 41	22 20	0 31	14 36	16 48	23 0	23 7	16 33	1 19	3 42
F 26	15 14	16 55	4 52	3 15	3 10	0 37	1 44	24 57	1 23	19 27	1 0	22 1	0 57	0 33	0 41	22 20	0 31	14 36	16 48	23 0	23 6	16 31	1 20	3 42
S 27	15 31	12 47	5 8	3 34	3 13	0 10	1 45	24 57	1 23	19 26	1 0	22 2	0 57	0 34	0 41	22 20	0 31	14 36	16 48	22 59	23 6	16 29	1 21	3 42
S 28	15 49	8 8	5 10	3 54	3 14	0n16	1 46	24 56	1 23	19 24	1 0	22 3	0 57	0 35	0 41	22 20	0 31	14 36	16 48	22 59	23 6	16 26	1 23	3 42
M29	16 7	3 7	4 59	4 16	3 15	0 43	1 48	24 56	1 23	19 23	1 0	22 3	0 57	0 37	0 41	22 20	0 31	14 35	16 48	22 58	23 6	16 24	1 24	3 42
T 30	16n24	2n 7	4s34	4n40	3s15	1n10	1s49	24n55	1n23	19n21	0n59	22n 4	0s57	0n38	0s41	22n19	0s31	14s35	16s49	22n58	23n 5	16s22	1n25	3n42

Julian Day Number = 2119270.5, Delta T = 18m14s
Ecliptic obliquity = 23°33'28, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°03'29, Lahiri = 11°10'29 Julian Calendar 1 Apr. 1090 == Greg. Calendar 7 Apr. 1090

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1090
geocentric

MAY 1090 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 58 19	15♉53'17	28♈33	20♈34	8♈15	2♋55	7♌56	18♊ 5	3♈12	13♋53	2♈ 0	17°R23	18♊48	29♒14	25♓ 5	W 1
T 2	15 2 16	16°50'58	11♉22	21°43	9°26	3°31	8° 2	18°12	3°15	13°54	2° 1	17♊19	18°45	29°20	25° 7	T 2
F 3	15 6 12	17°48'37	24°26	22°54	10°36	4° 8	8° 9	18°20	3°17	13°55	2° 2	17°15	18°42	29°27	25°10	F 3
S 4	15 10 9	18°46'14	7♊43	24° 8	11°46	4°45	8°15	18°27	3°20	13°57	2° 3	17°14	18°39	29°34	25°12	S 4
S 5	15 14 5	19°43'51	21°13	25°25	12°57	5°21	8°21	18°34	3°22	13°58	2° 5	17°D13	18°36	29°40	25°15	S 5
M 6	15 18 2	20°41'26	4♋55	26°44	14° 7	5°58	8°28	18°41	3°25	14° 0	2° 6	17°14	18°32	29°47	25°17	M 6
T 7	15 21 58	21°39'00	18°47	28° 6	15°18	6°34	8°35	18°48	3°28	14° 1	2° 7	17°16	18°29	29°54	25°19	T 7
W 8	15 25 55	22°36'32	2♌47	29°30	16°28	7°11	8°41	18°56	3°30	14° 3	2° 8	17°17	18°26	0♓ 1	25°22	W 8
T 9	15 29 52	23°34'03	16°55	0♉58	17°39	7°48	8°48	19° 3	3°33	14° 4	2° 9	17°R18	18°23	0° 7	25°24	T 9
F 10	15 33 48	24°31'32	1♍ 7	2°27	18°49	8°24	8°55	19°10	3°35	14° 6	2°10	17°18	18°20	0°14	25°26	F 10
S 11	15 37 45	25°29'00	15°24	3°59	20° 0	9° 1	9° 3	19°18	3°38	14° 7	2°11	17°17	18°17	0°21	25°28	S 11
S 12	15 41 41	26°26'27	29°40	5°34	21°11	9°38	9°10	19°25	3°40	14° 9	2°11	17°15	18°13	0°27	25°31	S 12
M13	15 45 38	27°23'52	13♎53	7°11	22°21	10°14	9°18	19°32	3°42	14°11	2°12	17°13	18°10	0°34	25°33	M13
T 14	15 49 34	28°21'16	27°59	8°51	23°32	10°51	9°25	19°40	3°45	14°12	2°13	17°10	18° 7	0°41	25°35	T 14
W15	15 53 31	29°18'39	11♏55	10°33	24°43	11°28	9°33	19°47	3°47	14°14	2°14	17° 8	18° 4	0°48	25°37	W15
T 16	15 57 27	0♊16'01	25°36	12°17	25°54	12° 5	9°41	19°55	3°49	14°16	2°15	17° 6	18° 1	0°54	25°39	T 16
F 17	16 1 24	1°13'22	9♐ 0	14° 4	27° 5	12°41	9°49	20° 2	3°51	14°17	2°16	17° 5	17°58	1° 1	25°41	F 17
S 18	16 5 21	2°10'42	22° 6	15°54	28°16	13°18	9°57	20°10	3°53	14°19	2°17	17°D 5	17°54	1° 8	25°43	S 18
S 19	16 9 17	3° 8'02	4♑53	17°46	29°27	13°55	10° 5	20°18	3°56	14°21	2°18	17° 6	17°51	1°14	25°44	S 19
M20	16 13 14	4° 5'21	17°24	19°40	0♉38	14°32	10°13	20°25	3°58	14°23	2°18	17° 7	17°48	1°21	25°46	M20
T 21	16 17 10	5° 2'39	29°40	21°36	1°49	15° 9	10°22	20°33	4° 0	14°24	2°19	17° 8	17°45	1°28	25°48	T 21
W22	16 21 7	5°59'57	11♒44	23°35	3° 0	15°45	10°30	20°41	4° 2	14°26	2°20	17° 9	17°42	1°35	25°50	W22
T 23	16 25 3	6°57'14	23°40	25°36	4°11	16°22	10°39	20°48	4° 4	14°28	2°21	17°10	17°38	1°41	25°51	T 23
F 24	16 29 0	7°54'30	5♓34	27°38	5°22	16°59	10°48	20°56	4° 6	14°30	2°21	17°R10	17°35	1°48	25°53	F 24
S 25	16 32 56	8°51'47	17°28	29°43	6°34	17°36	10°57	21° 4	4° 8	14°32	2°22	17°10	17°32	1°55	25°55	S 25
S 26	16 36 53	9°49'03	29°29	1♊49	7°45	18°13	11° 6	21°11	4° 9	14°34	2°23	17° 9	17°29	2° 1	25°56	S 26
M27	16 40 50	10°46'18	11♈40	3°57	8°56	18°50	11°15	21°19	4°11	14°36	2°23	17° 9	17°26	2° 8	25°58	M27
T 28	16 44 46	11°43'33	24° 4	6° 6	10° 8	19°27	11°24	21°27	4°13	14°38	2°24	17° 8	17°23	2°15	25°59	T 28
W29	16 48 43	12°40'48	6♉46	8°16	11°19	20° 4	11°33	21°35	4°15	14°39	2°25	17° 7	17°19	2°22	26° 0	W29
T 30	16 52 39	13°38'03	19°47	10°27	12°30	20°40	11°43	21°42	4°16	14°41	2°25	17° 7	17°16	2°28	26° 2	T 30
F 31	16 56 36	14♊35'17	3♊ 7	12♊39	13♉42	21♋17	11♌52	21♊50	4♈18	14♋43	2♈26	17♊ 7	17♊13	2♓35	26♓ 3	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n41	7n21	3s55	5n 5	3s14	1n37	1s50	24n54	1n23	19n20	0n59	22n 5	0s57	0n39	0s41	22n19	0s31	14s35	16s49	22n57	23n 5	16s20	1n26	3n42
T 2	16 57	12 25	3 3	5 32	3 12	2 4	1 51	24 53	1 23	19 18	0 59	22 6	0 56	0 40	0 41	22 19	0 31	14 35	16 49	22 57	23 5	16 18	1 27	3 42
F 3	17 14	17 0	2 2	6 0	3 10	2 30	1 52	24 52	1 23	19 16	0 59	22 6	0 56	0 41	0 41	22 19	0 31	14 35	16 49	22 57	23 4	16 16	1 28	3 43
S 4	17 30	20 51	0 52	6 30	3 8	2 57	1 52	24 51	1 22	19 15	0 59	22 7	0 56	0 42	0 41	22 19	0 31	14 34	16 50	22 56	23 4	16 14	1 29	3 43
S 5	17 45	23 38	0n22	7 1	3 4	3 24	1 53	24 49	1 22	19 13	0 59	22 8	0 56	0 43	0 41	22 19	0 31	14 34	16 50	22 56	23 4	16 12	1 30	3 43
M 6	18 1	25 3	1 36	7 33	3 0	3 51	1 54	24 47	1 22	19 11	0 59	22 9	0 56	0 44	0 41	22 19	0 30	14 34	16 50	22 57	23 4	16 9	1 31	3 43
T 7	18 16	24 57	2 45	8 7	2 55	4 18	1 54	24 46	1 22	19 9	0 59	22 9	0 56	0 45	0 41	22 19	0 30	14 34	16 50	22 57	23 3	16 7	1 32	3 43
W 8	18 31	23 16	3 44	8 42	2 50	4 45	1 54	24 44	1 22	19 7	0 59	22 10	0 56	0 46	0 42	22 18	0 30	14 34	16 51	22 57	23 3	16 5	1 33	3 43
T 9	18 45	20 9	4 31	9 18	2 45	5 11	1 55	24 41	1 22	19 5	0 59	22 11	0 56	0 47	0 42	22 18	0 30	14 34	16 51	22 57	23 3	16 3	1 34	3 43
F 10	19 0	15 49	5 2	9 54	2 38	5 38	1 55	24 39	1 22	19 3	0 59	22 12	0 55	0 48	0 42	22 18	0 30	14 34	16 51	22 57	23 3	16 1	1 35	3 43
S 11	19 14	10 36	5 14	10 32	2 31	6 5	1 55	24 36	1 22	19 1	0 58	22 12	0 55	0 49	0 42	22 18	0 30	14 33	16 52	22 57	23 2	15 59	1 36	3 43
S 12	19 27	4 49	5 7	11 11	2 24	6 31	1 55	24 34	1 21	18 59	0 58	22 13	0 55	0 50	0 42	22 18	0 30	14 33	16 52	22 57	23 2	15 57	1 37	3 44
M13	19 41	1s11	4 41	11 50	2 16	6 58	1 55	24 31	1 21	18 57	0 58	22 14	0 55	0 51	0 42	22 18	0 30	14 33	16 52	22 56	23 2	15 54	1 38	3 44
T 14	19 54	7 6	3 58	12 30	2 8	7 24	1 55	24 28	1 21	18 55	0 58	22 14	0 55	0 52	0 42	22 18	0 30	14 33	16 52	22 56	23 1	15 52	1 39	3 44
W15	20 6	12 36	3 2	13 10	1 59	7 50	1 55	24 24	1 21	18 53	0 58	22 15	0 55	0 52	0 42	22 17	0 30	14 33	16 53	22 56	23 1	15 50	1 40	3 44
T 16	20 18	17 23	1 56	13 51	1 50	8 16	1 55	24 21	1 21	18 51	0 58	22 16	0 55	0 53	0 42	22 17	0 30	14 33	16 53	22 56	23 1	15 48	1 41	3 44
F 17	20 30	21 11	0 44	14 33	1 40	8 42	1 54	24 17	1 21	18 49	0 58	22 16	0 55	0 54	0 42	22 17	0 30	14 33	16 53	22 56	23 1	15 46	1 42	3 44
S 18	20 42	23 47	0s28	15 14	1 31	9 8	1 54	24 14	1 21	18 46	0 58	22 17	0 54	0 55	0 42	22 17	0 30	14 33	16 54	22 56	23 0	15 43	1 43	3 44
S 19	20 53	25 5	1 37	15 55	1 20	9 34	1 53	24 10	1 20	18 44	0 58	22 18	0 54	0 56	0 42	22 17	0 30	14 33	16 54	22 56	23 0	15 41	1 44	3 44
M20	21 4	25 4	2 40	16 37	1 10	9 59	1 53	24 5	1 20	18 42	0 58	22 18	0 54	0 57	0 42	22 17	0 30	14 33	16 54	22 56	23 0	15 39	1 45	3 45
T 21	21 15	23 49	3 34	17 18	0 59	10 25	1 52	24 1	1 20	18 39	0 58	22 19	0 54	0 57	0 42	22 16	0 30	14 33	16 55	22 56	22 59	15 37	1 45	3 45
W22	21 25	21 29	4 18	17 59	0 48	10 50	1 51	23 57	1 20	18 37	0 58	22 20	0 54	0 58	0 42	22 16	0 30	14 33	16 55	22 56	22 59	15 35	1 46	3 45
T 23	21 35	18 15	4 50	18 39	0 37	11 15	1 50	23 52	1 20	18 34	0 58	22 20	0 54	0 59	0 42	22 16	0 30	14 33	16 55	22 56	22 59	15 32	1 47	3 45
F 24	21 44	14 19	5 10	19 18	0 26	11 39	1 50	23 47	1 20	18 32	0 57	22 21	0 54	1 0	0 42	22 16	0 30	14 33	16 56	22 56	22 59	15 30	1 48	3 45
S 25	21 53	9 49	5 16	19 56	0 15	12 4	1 49	23 42	1 19	18 29	0 57	22 22	0 54	1 0	0 42	22 16	0 30	14 33	16 56	22 56	22 58	15 28	1 49	3 45
S 26	22 2	4 56	5 9	20 33	0 4	12 28	1 47	23 37	1 19	18 27	0 57	22 22	0 54	1 1	0 42	22 16	0 30	14 33	16 56	22 56	22 58	15 26	1 49	3 45
M27	22 10	0n13	4 48	21 9	0n 6	12 52	1 46	23 32	1 19	18 24	0 57	22 23	0 54	1 2	0 42	22 15	0 30	14 33	16 57	22 56	22 58	15 23	1 50	3 46
T 28	22 18	5 27	4 13	21 43	0 17	13 16	1 45	23 27	1 19	18 22	0 57	22 23	0 53	1 3	0 42	22 15	0 30	14 33	16 57	22 56	22 57	15 21	1 51	3 46
W29	22 26	10 36	3 25	22 15	0 27	13 39	1 44	23 21	1 19	18 19	0 57	22 24	0 53	1 3	0 42	22 15	0 30	14 33	16 57	22 56	22 57	15 19	1 51	3 46
T 30	22 33	15 26	2 26	22 44	0 37	14 2	1 43	23 15	1 19	18 16	0 57	22 25	0 53	1 4	0 42	22 15	0 30	14 33	16 58	22 56	22 57	15 17	1 52	3 46
F 31	22n40	19n38	1s17	23n12	0n47	14n25	1s41	23n 9	1n18	18n14	0n57	22n25	0s53	1n 4	0s42	22n15	0s30	14s33	16s58	22n56	22n56	15s15	1n53	3n46

Julian Day Number = 2119300.5, Delta T = 18m14s
Ecliptic obliquity = 23°33'28, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°03'33, Lahiri = 11°10'33 Julian Calendar 1 May 1090 == Greg. Calendar 7 May 1090

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1090
geocentric

JUNE 1090 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 0 32	15♊32'31	16♊45	14♊50	14♉54	21♋54	12♌ 2	21♊58	4♈20	14♋45	2♈26	17°D 7	17♊10	2♓42	26♓ 4	S 1
S 2	17 4 29	16°29'45	0♋41	17° 2	16° 5	22°31	12°12	22° 6	4°21	14°47	2°27	17♊ 7	17° 7	2°49	26° 5	S 2
M 3	17 8 25	17°26'58	14°49	19°13	17°17	23° 8	12°21	22°14	4°23	14°49	2°27	17°R 7	17° 4	2°55	26° 7	M 3
T 4	17 12 22	18°24'11	29° 7	21°23	18°28	23°46	12°31	22°21	4°24	14°51	2°28	17° 7	17° 0	3° 2	26° 8	T 4
W 5	17 16 19	19°21'23	13♌29	23°33	19°40	24°23	12°41	22°29	4°26	14°53	2°28	17° 6	16°57	3° 9	26° 9	W 5
T 6	17 20 15	20°18'34	27°52	25°42	20°52	25° 0	12°51	22°37	4°27	14°56	2°29	17° 6	16°54	3°15	26°10	T 6
F 7	17 24 12	21°15'45	12♍12	27°49	22° 3	25°37	13° 1	22°45	4°28	14°58	2°29	17° 6	16°51	3°22	26°11	F 7
S 8	17 28 8	22°12'56	26°24	29°55	23°15	26°14	13°12	22°53	4°30	15° 0	2°30	17°D 6	16°48	3°29	26°11	S 8
S 9	17 32 5	23°10'06	10♎28	2♋ 0	24°27	26°51	13°22	23° 0	4°31	15° 2	2°30	17° 6	16°44	3°36	26°12	S 9
M10	17 36 1	24° 7'15	24°21	4° 3	25°39	27°28	13°32	23° 8	4°32	15° 4	2°31	17° 7	16°41	3°42	26°13	M10
T 11	17 39 58	25° 4'24	8♏ 3	6° 4	26°51	28° 5	13°43	23°16	4°33	15° 6	2°31	17° 7	16°38	3°49	26°14	T 11
W12	17 43 54	26° 1'33	21°31	8° 3	28° 3	28°42	13°53	23°24	4°34	15° 8	2°31	17° 8	16°35	3°56	26°14	W12
T 13	17 47 51	26°58'42	4♐47	10° 0	29°15	29°19	14° 4	23°32	4°35	15°10	2°32	17° 9	16°32	4° 2	26°15	T 13
F 14	17 51 48	27°55'50	17°48	11°56	0♊27	29°57	14°15	23°40	4°36	15°12	2°32	17°R 9	16°29	4° 9	26°15	F 14
S 15	17 55 44	28°52'59	0♑36	13°49	1°39	0♌34	14°26	23°47	4°37	15°15	2°32	17° 8	16°25	4°16	26°16	S 15
S 16	17 59 41	29°50'08	13°11	15°41	2°51	1°11	14°37	23°55	4°38	15°17	2°32	17° 8	16°22	4°23	26°16	S 16
M17	18 3 37	0♋47'16	25°33	17°30	4° 3	1°48	14°47	24° 3	4°39	15°19	2°33	17° 6	16°19	4°29	26°17	M17
T 18	18 7 34	1°44'25	7♒44	19°18	5°15	2°26	14°58	24°11	4°40	15°21	2°33	17° 4	16°16	4°36	26°17	T 18
W19	18 11 30	2°41'35	19°46	21° 3	6°27	3° 3	15°10	24°19	4°41	15°23	2°33	17° 2	16°13	4°43	26°17	W19
T 20	18 15 27	3°38'44	1♓41	22°47	7°39	3°40	15°21	24°26	4°42	15°25	2°33	17° 0	16°10	4°50	26°18	T 20
F 21	18 19 24	4°35'54	13°34	24°28	8°52	4°17	15°32	24°34	4°42	15°28	2°33	16°58	16° 6	4°56	26°18	F 21
S 22	18 23 20	5°33'05	25°28	26° 8	10° 4	4°55	15°43	24°42	4°43	15°30	2°33	16°57	16° 3	5° 3	26°18	S 22
S 23	18 27 17	6°30'16	7♈28	27°45	11°16	5°32	15°55	24°50	4°43	15°32	2°33	16°D56	16° 0	5°10	26°18	S 23
M24	18 31 13	7°27'27	19°37	29°21	12°29	6° 9	16° 6	24°57	4°44	15°34	2°34	16°57	15°57	5°16	26°R18	M24
T 25	18 35 10	8°24'40	2♉ 2	0♌54	13°41	6°47	16°17	25° 5	4°44	15°36	2°34	16°58	15°54	5°23	26°18	T 25
W26	18 39 6	9°21'53	14°45	2°26	14°54	7°24	16°29	25°13	4°45	15°39	2°34	16°59	15°50	5°30	26°18	W26
T 27	18 43 3	10°19'06	27°50	3°55	16° 6	8° 2	16°41	25°20	4°45	15°41	2°R34	17° 1	15°47	5°37	26°18	T 27
F 28	18 46 59	11°16'20	11♊19	5°22	17°19	8°39	16°52	25°28	4°46	15°43	2°34	17°R 2	15°44	5°43	26°17	F 28
S 29	18 50 56	12°13'35	25°12	6°48	18°31	9°16	17° 4	25°36	4°46	15°45	2°34	17° 2	15°41	5°50	26°17	S 29
S 30	18 54 53	13♋10'51	9♋27	8♌11	19♊44	9♌54	17♌16	25♊43	4♈46	15♋48	2♈34	17♊ 0	15♊38	5♓57	26♓17	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n46	22n52	0s 2	23n37	0n56	14n48	1s40	23n 3	1n18	18n11	0n57	22n26	0s53	1n 5	0s42	22n14	0s30	14s33	16s58	22n56	22n56	15s12	1n53	3n46
S 2	22 52	24 48	1n15	24 0	1 5	15 10	1 38	22 57	1 18	18 8	0 57	22 26	0 53	1 6	0 42	22 14	0 30	14 33	16 59	22 56	22 56	15 10	1 54	3 46
M 3	22 58	25 10	2 28	24 19	1 13	15 32	1 37	22 50	1 18	18 5	0 57	22 27	0 53	1 6	0 42	22 14	0 30	14 33	16 59	22 56	22 55	15 8	1 55	3 47
T 4	23 3	23 54	3 32	24 36	1 20	15 53	1 35	22 44	1 18	18 2	0 57	22 27	0 53	1 7	0 42	22 14	0 30	14 34	16 59	22 56	22 55	15 5	1 55	3 47
W 5	23 8	21 4	4 24	24 51	1 27	16 14	1 33	22 37	1 17	17 59	0 57	22 28	0 53	1 7	0 42	22 14	0 30	14 34	17 0	22 56	22 55	15 3	1 56	3 47
T 6	23 12	16 57	4 59	25 2	1 33	16 35	1 32	22 30	1 17	17 56	0 57	22 29	0 53	1 8	0 42	22 13	0 30	14 34	17 0	22 56	22 55	15 1	1 56	3 47
F 7	23 16	11 52	5 16	25 10	1 38	16 56	1 30	22 23	1 17	17 54	0 57	22 29	0 53	1 8	0 42	22 13	0 30	14 34	17 0	22 56	22 54	14 59	1 57	3 47
S 8	23 20	6 13	5 13	25 16	1 43	17 16	1 28	22 16	1 17	17 51	0 57	22 30	0 52	1 9	0 42	22 13	0 30	14 34	17 1	22 56	22 54	14 56	1 57	3 47
S 9	23 23	0 17	4 51	25 19	1 47	17 35	1 26	22 9	1 17	17 48	0 56	22 30	0 52	1 9	0 42	22 13	0 30	14 34	17 1	22 56	22 54	14 54	1 58	3 47
M10	23 26	5s35	4 12	25 19	1 50	17 54	1 24	22 1	1 16	17 44	0 56	22 31	0 52	1 10	0 42	22 13	0 30	14 35	17 1	22 56	22 53	14 52	1 58	3 48
T 11	23 28	11 6	3 20	25 17	1 52	18 13	1 22	21 53	1 16	17 41	0 56	22 31	0 52	1 10	0 42	22 12	0 30	14 35	17 2	22 56	22 53	14 49	1 58	3 48
W12	23 30	16 2	2 17	25 12	1 54	18 31	1 20	21 46	1 16	17 38	0 56	22 31	0 52	1 11	0 42	22 12	0 30	14 35	17 2	22 56	22 53	14 47	1 59	3 48
T 13	23 31	20 5	1 8	25 5	1 55	18 49	1 18	21 38	1 16	17 35	0 56	22 32	0 52	1 11	0 43	22 12	0 30	14 35	17 3	22 56	22 52	14 45	1 59	3 48
F 14	23 32	23 3	0s 4	24 56	1 55	19 6	1 16	21 30	1 16	17 32	0 56	22 32	0 52	1 11	0 43	22 12	0 30	14 35	17 3	22 56	22 52	14 43	2 0	3 48
S 15	23 33	24 47	1 14	24 44	1 55	19 23	1 14	21 21	1 15	17 29	0 56	22 33	0 52	1 12	0 43	22 11	0 30	14 36	17 3	22 56	22 52	14 40	2 0	3 48
S 16	23 33	25 12	2 19	24 31	1 54	19 40	1 11	21 13	1 15	17 26	0 56	22 33	0 52	1 12	0 43	22 11	0 30	14 36	17 4	22 56	22 51	14 38	2 0	3 49
M17	23 33	24 21	3 16	24 15	1 52	19 56	1 9	21 4	1 15	17 22	0 56	22 34	0 52	1 12	0 43	22 11	0 30	14 36	17 4	22 56	22 51	14 36	2 1	3 49
T 18	23 33	22 21	4 4	23 58	1 50	20 11	1 7	20 56	1 15	17 19	0 56	22 34	0 52	1 13	0 43	22 11	0 30	14 36	17 4	22 56	22 51	14 33	2 1	3 49
W19	23 32	19 23	4 40	23 39	1 47	20 26	1 5	20 47	1 15	17 16	0 56	22 35	0 52	1 13	0 43	22 10	0 30	14 37	17 5	22 55	22 50	14 31	2 1	3 49
T 20	23 30	15 39	5 4	23 19	1 43	20 40	1 2	20 38	1 14	17 12	0 56	22 35	0 52	1 13	0 43	22 10	0 30	14 37	17 5	22 55	22 50	14 29	2 1	3 49
F 21	23 29	11 19	5 14	22 57	1 39	20 54	1 0	20 29	1 14	17 9	0 56	22 35	0 51	1 13	0 43	22 10	0 30	14 37	17 6	22 55	22 50	14 26	2 2	3 49
S 22	23 26	6 34	5 12	22 35	1 35	21 7	0 57	20 20	1 14	17 6	0 56	22 36	0 51	1 14	0 43	22 10	0 30	14 37	17 6	22 55	22 49	14 24	2 2	3 49
S 23	23 24	1 32	4 55	22 10	1 29	21 20	0 55	20 10	1 14	17 2	0 56	22 36	0 51	1 14	0 43	22 10	0 30	14 38	17 6	22 55	22 49	14 22	2 2	3 50
M24	23 21	3n37	4 25	21 45	1 24	21 32	0 53	20 1	1 13	16 59	0 56	22 36	0 51	1 14	0 43	22 9	0 30	14 38	17 7	22 55	22 49	14 19	2 2	3 50
T 25	23 17	8 45	3 43	21 19	1 18	21 44	0 50	19 51	1 13	16 55	0 56	22 37	0 51	1 14	0 43	22 9	0 30	14 38	17 7	22 55	22 48	14 17	2 2	3 50
W26	23 14	13 40	2 48	20 52	1 11	21 55	0 48	19 41	1 13	16 52	0 56	22 37	0 51	1 14	0 43	22 9	0 30	14 39	17 7	22 55	22 48	14 14	2 2	3 50
T 27	23 9	18 5	1 44	20 24	1 4	22 5	0 45	19 31	1 13	16 48	0 56	22 37	0 51	1 15	0 43	22 9	0 30	14 39	17 8	22 55	22 48	14 12	2 2	3 50
F 28	23 5	21 44	0 31	19 56	0 56	22 15	0 42	19 21	1 12	16 45	0 56	22 38	0 51	1 15	0 43	22 8	0 30	14 39	17 8	22 55	22 47	14 10	2 2	3 50
S 29	23 0	24 13	0n45	19 27	0 48	22 24	0 40	19 11	1 12	16 41	0 56	22 38	0 51	1 15	0 43	22 8	0 29	14 40	17 8	22 55	22 47	14 7	2 2	3 51
S 30	22n54	25n13	2n 0	18n57	0n40	22n32	0s37	19n 1	1n12	16n37	0n56	22n38	0s51	1n15	0s43	22n 8	0s29	14s40	17s 9	22n55	22n47	14s 5	2n 2	3n51

Julian Day Number = 2119331.5, Delta T = 18m14s
Ecliptic obliquity = 23°33'27, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°03'37, Lahiri = 11°10'37 Julian Calendar 1 June 1090 == Greg. Calendar 7 June 1090

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1090
geocentric

JULY 1090 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 58 49	14♋ 8'07	24♋ 0	9♌32	20♊56	10♌31	17♌28	25♊51	4♈46	15♋50	2°R33	16°R58	15♊35	6♓ 3	26°R17	M 1
T 2	19 2 46	15° 5'24	8♌45	10°50	22° 9	11° 9	17°40	25°58	4°47	15°52	2♈33	16♊54	15°31	6°10	26♓16	T 2
W 3	19 6 42	16° 2'41	23°34	12° 7	23°22	11°47	17°51	26° 6	4°47	15°54	2°33	16°50	15°28	6°17	26°16	W 3
T 4	19 10 39	16°59'58	8♍19	13°21	24°35	12°24	18° 3	26°13	4°R47	15°56	2°33	16°46	15°25	6°24	26°15	T 4
F 5	19 14 35	17°57'16	22°53	14°33	25°47	13° 2	18°16	26°21	4°47	15°59	2°33	16°43	15°22	6°30	26°15	F 5
S 6	19 18 32	18°54'34	7♎13	15°43	27° 0	13°39	18°28	26°28	4°47	16° 1	2°33	16°41	15°19	6°37	26°14	S 6
S 7	19 22 28	19°51'53	21°14	16°50	28°13	14°17	18°40	26°36	4°47	16° 3	2°33	16°D41	15°16	6°44	26°13	S 7
M 8	19 26 25	20°49'12	4♏58	17°54	29°26	14°55	18°52	26°43	4°46	16° 5	2°32	16°42	15°12	6°51	26°12	M 8
T 9	19 30 22	21°46'32	18°23	18°56	0♐39	15°32	19° 4	26°51	4°46	16° 8	2°32	16°43	15° 9	6°57	26°12	T 9
W10	19 34 18	22°43'52	1♐31	19°54	1°52	16°10	19°16	26°58	4°46	16°10	2°32	16°44	15° 6	7° 4	26°11	W10
T 11	19 38 15	23°41'13	14°25	20°50	3° 5	16°48	19°29	27° 5	4°46	16°12	2°31	16°R45	15° 3	7°11	26°10	T 11
F 12	19 42 11	24°38'35	27° 6	21°43	4°18	17°25	19°41	27°12	4°45	16°14	2°31	16°45	15° 0	7°17	26° 9	F 12
S 13	19 46 8	25°35'57	9♑36	22°33	5°31	18° 3	19°53	27°20	4°45	16°16	2°31	16°43	14°56	7°24	26° 8	S 13
S 14	19 50 4	26°33'20	21°56	23°19	6°44	18°41	20° 6	27°27	4°44	16°19	2°30	16°38	14°53	7°31	26° 7	S 14
M15	19 54 1	27°30'45	4♒ 7	24° 2	7°57	19°19	20°18	27°34	4°44	16°21	2°30	16°33	14°50	7°38	26° 6	M15
T 16	19 57 57	28°28'10	16°11	24°41	9°10	19°56	20°31	27°41	4°43	16°23	2°30	16°25	14°47	7°44	26° 5	T 16
W17	20 1 54	29°25'36	28° 8	25°17	10°24	20°34	20°43	27°48	4°43	16°25	2°29	16°18	14°44	7°51	26° 4	W17
T 18	20 5 51	0♌23'04	10♓ 2	25°48	11°37	21°12	20°56	27°55	4°42	16°27	2°29	16°10	14°41	7°58	26° 2	T 18
F 19	20 9 47	1°20'32	21°54	26°15	12°50	21°50	21° 9	28° 2	4°42	16°30	2°28	16° 3	14°37	8° 4	26° 1	F 19
S 20	20 13 44	2°18'02	3♈47	26°38	14° 3	22°28	21°21	28° 9	4°41	16°32	2°28	15°57	14°34	8°11	26° 0	S 20
S 21	20 17 40	3°15'33	15°45	26°55	15°17	23° 6	21°34	28°16	4°40	16°34	2°27	15°54	14°31	8°18	25°58	S 21
M22	20 21 37	4°13'06	27°52	27° 9	16°30	23°44	21°47	28°23	4°39	16°36	2°27	15°52	14°28	8°25	25°57	M22
T 23	20 25 33	5°10'41	10♉13	27°17	17°44	24°22	21°59	28°30	4°38	16°38	2°26	15°D52	14°25	8°31	25°55	T 23
W24	20 29 30	6° 8'16	22°53	27°R19	18°57	25° 0	22°12	28°37	4°38	16°40	2°26	15°53	14°22	8°38	25°54	W24
T 25	20 33 26	7° 5'54	5♊55	27°17	20°11	25°38	22°25	28°43	4°37	16°42	2°25	15°54	14°18	8°45	25°52	T 25
F 26	20 37 23	8° 3'33	19°24	27° 9	21°24	26°16	22°38	28°50	4°36	16°45	2°25	15°R54	14°15	8°52	25°51	F 26
S 27	20 41 20	9° 1'13	3♋20	26°55	22°38	26°54	22°50	28°57	4°35	16°47	2°24	15°53	14°12	8°58	25°49	S 27
S 28	20 45 16	9°58'55	17°44	26°36	23°52	27°32	23° 3	29° 3	4°33	16°49	2°23	15°49	14° 9	9° 5	25°47	S 28
M29	20 49 13	10°56'39	2♌32	26°11	25° 5	28°10	23°16	29°10	4°32	16°51	2°23	15°43	14° 6	9°12	25°46	M29
T 30	20 53 9	11°54'24	17°36	25°41	26°19	28°48	23°29	29°16	4°31	16°53	2°22	15°36	14° 2	9°18	25°44	T 30
W31	20 57 6	12♌52'10	2♍46	25♌ 6	27♋33	29♌26	23♌42	29♊23	4♈30	16♋55	2♈21	15♊27	13♊59	9♓25	25♓42	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n48	24n31	3n 9	18n28	0n31	22n40	0s35	18n50	1n12	16n34	0n56	22n39	0s51	1n15	0s43	22n 8	0s29	14s40	17s 9	22n55	22n46	14s 3	2n 2	3n51
T 2	22 42	22 7	4 6	17 57	0 22	22 47	0 32	18 40	1 11	16 30	0 56	22 39	0 51	1 15	0 43	22 7	0 29	14 41	17 10	22 55	22 46	14 0	2 2	3 51
W 3	22 35	18 14	4 47	17 27	0 13	22 54	0 29	18 29	1 11	16 26	0 56	22 39	0 51	1 15	0 43	22 7	0 29	14 41	17 10	22 54	22 46	13 58	2 2	3 51
T 4	22 28	13 16	5 9	16 57	0 3	23 0	0 27	18 18	1 11	16 23	0 56	22 40	0 51	1 15	0 43	22 7	0 29	14 42	17 10	22 54	22 45	13 55	2 2	3 51
F 5	22 21	7 35	5 10	16 26	0s 7	23 5	0 24	18 7	1 11	16 19	0 56	22 40	0 51	1 15	0 43	22 7	0 29	14 42	17 11	22 53	22 45	13 53	2 2	3 51
S 6	22 13	1 36	4 53	15 56	0 17	23 10	0 22	17 56	1 10	16 15	0 56	22 40	0 51	1 15	0 43	22 6	0 29	14 42	17 11	22 53	22 45	13 51	2 2	3 52
S 7	22 5	4s21	4 17	15 25	0 28	23 14	0 19	17 45	1 10	16 11	0 56	22 40	0 51	1 15	0 43	22 6	0 29	14 43	17 11	22 53	22 44	13 48	2 2	3 52
M 8	21 56	9 58	3 28	14 55	0 39	23 17	0 16	17 33	1 10	16 7	0 56	22 41	0 50	1 15	0 43	22 6	0 29	14 43	17 12	22 53	22 44	13 46	2 2	3 52
T 9	21 47	15 0	2 28	14 26	0 50	23 20	0 14	17 22	1 10	16 4	0 56	22 41	0 50	1 15	0 43	22 6	0 29	14 44	17 12	22 53	22 44	13 43	2 2	3 52
W10	21 38	19 14	1 22	13 56	1 2	23 22	0 11	17 10	1 9	16 0	0 56	22 41	0 50	1 14	0 43	22 5	0 29	14 44	17 12	22 54	22 43	13 41	2 1	3 52
T 11	21 28	22 26	0 13	13 28	1 13	23 23	0 8	16 59	1 9	15 56	0 56	22 41	0 50	1 14	0 43	22 5	0 29	14 44	17 13	22 54	22 43	13 39	2 1	3 52
F 12	21 18	24 28	0s56	13 0	1 25	23 24	0 6	16 47	1 9	15 52	0 56	22 41	0 50	1 14	0 43	22 5	0 29	14 45	17 13	22 54	22 43	13 36	2 1	3 52
S 13	21 8	25 13	2 1	12 32	1 37	23 23	0 3	16 35	1 9	15 48	0 56	22 42	0 50	1 14	0 43	22 4	0 29	14 45	17 13	22 53	22 42	13 34	2 1	3 53
S 14	20 57	24 42	2 59	12 6	1 49	23 23	0 1	16 23	1 8	15 44	0 56	22 42	0 50	1 14	0 44	22 4	0 29	14 46	17 14	22 53	22 42	13 31	2 0	3 53
M15	20 46	23 1	3 48	11 40	2 1	23 21	0n 2	16 11	1 8	15 40	0 56	22 42	0 50	1 13	0 44	22 4	0 29	14 46	17 14	22 52	22 41	13 29	2 0	3 53
T 16	20 34	20 18	4 26	11 16	2 13	23 19	0 5	15 59	1 8	15 36	0 56	22 42	0 50	1 13	0 44	22 4	0 29	14 47	17 14	22 52	22 41	13 26	2 0	3 53
W17	20 22	16 45	4 53	10 52	2 26	23 16	0 7	15 46	1 7	15 32	0 56	22 42	0 50	1 13	0 44	22 3	0 29	14 47	17 15	22 51	22 41	13 24	1 59	3 53
T 18	20 10	12 34	5 6	10 30	2 38	23 13	0 10	15 34	1 7	15 28	0 56	22 42	0 50	1 13	0 44	22 3	0 29	14 48	17 15	22 50	22 40	13 21	1 59	3 53
F 19	19 58	7 55	5 6	10 10	2 50	23 8	0 12	15 21	1 7	15 24	0 56	22 43	0 50	1 12	0 44	22 3	0 29	14 48	17 15	22 49	22 40	13 19	1 59	3 53
S 20	19 45	2 58	4 53	9 51	3 2	23 3	0 15	15 8	1 7	15 20	0 56	22 43	0 50	1 12	0 44	22 3	0 29	14 49	17 16	22 49	22 40	13 17	1 58	3 53
S 21	19 31	2n 7	4 27	9 34	3 14	22 58	0 17	14 56	1 6	15 16	0 56	22 43	0 50	1 12	0 44	22 2	0 29	14 49	17 16	22 48	22 39	13 14	1 58	3 54
M22	19 18	7 12	3 49	9 19	3 25	22 52	0 20	14 43	1 6	15 12	0 56	22 43	0 50	1 11	0 44	22 2	0 29	14 50	17 16	22 48	22 39	13 12	1 57	3 54
T 23	19 4	12 7	3 0	9 6	3 36	22 45	0 22	14 30	1 6	15 8	0 56	22 43	0 50	1 11	0 44	22 2	0 29	14 50	17 17	22 48	22 39	13 9	1 57	3 54
W24	18 50	16 38	2 1	8 55	3 47	22 37	0 25	14 17	1 5	15 3	0 56	22 43	0 50	1 11	0 44	22 2	0 29	14 51	17 17	22 48	22 38	13 7	1 56	3 54
T 25	18 35	20 31	0 53	8 46	3 56	22 29	0 27	14 4	1 5	14 59	0 56	22 43	0 50	1 10	0 44	22 1	0 29	14 51	17 17	22 48	22 38	13 4	1 56	3 54
F 26	18 21	23 27	0n19	8 40	4 6	22 20	0 29	13 50	1 5	14 55	0 56	22 43	0 50	1 10	0 44	22 1	0 29	14 52	17 18	22 48	22 37	13 2	1 55	3 54
S 27	18 5	25 3	1 32	8 37	4 14	22 10	0 32	13 37	1 4	14 51	0 56	22 44	0 50	1 9	0 44	22 1	0 29	14 52	17 18	22 48	22 37	12 59	1 55	3 54
S 28	17 50	25 3	2 42	8 37	4 22	22 0	0 34	13 24	1 4	14 47	0 56	22 44	0 50	1 9	0 44	22 1	0 29	14 53	17 18	22 48	22 37	12 57	1 54	3 54
M29	17 34	23 18	3 43	8 39	4 28	21 49	0 36	13 10	1 4	14 42	0 56	22 44	0 50	1 8	0 44	22 0	0 29	14 53	17 19	22 47	22 36	12 54	1 53	3 54
T 30	17 18	19 54	4 29	8 44	4 33	21 37	0 38	12 56	1 4	14 38	0 56	22 44	0 50	1 8	0 44	22 0	0 29	14 54	17 19	22 47	22 36	12 52	1 53	3 55
W31	17n 2	15n 9	4n57	8n52	4s37	21n25	0n41	12n43	1n 3	14n34	0n56	22n44	0s50	1n 7	0s44	22n 0	0s29	14s54	17s19	22n46	22n36	12s49	1n52	3n55

Julian Day Number = 2119361.5, Delta T = 18m13s
Ecliptic obliquity = 23°33'28, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°03'41, Lahiri = 11°10'41 Julian Calendar 1 July 1090 == Greg. Calendar 7 July 1090

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1090
geocentric

AUGUST 1090 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 1 2	13♌49'58	17♍53	24°R26	28♋47	0♍ 5	23♌55	29♊29	4°R29	16♋57	2°R21	15°R19	13♊56	9♓32	25°R40	T 1
F 2	21 4 59	14°47'46	2♎46	23♌41	0♌ 0	0°43	24° 8	29°35	4♈27	16°59	2♈20	15♊12	13°53	9°39	25♓38	F 2
S 3	21 8 55	15°45'36	17°19	22°53	1°14	1°21	24°21	29°42	4°26	17° 1	2°19	15° 7	13°50	9°45	25°36	S 3
S 4	21 12 52	16°43'27	1♏28	22° 2	2°28	1°59	24°34	29°48	4°25	17° 3	2°19	15° 4	13°47	9°52	25°34	S 4
M 5	21 16 49	17°41'20	15°11	21° 8	3°42	2°38	24°47	29°54	4°23	17° 5	2°18	15°D 3	13°43	9°59	25°32	M 5
T 6	21 20 45	18°39'14	28°31	20°14	4°56	3°16	25° 0	0♋ 0	4°22	17° 7	2°17	15° 3	13°40	10° 5	25°30	T 6
W 7	21 24 42	19°37'09	11♐29	19°20	6°10	3°54	25°13	0° 6	4°20	17° 9	2°16	15°R 3	13°37	10°12	25°28	W 7
T 8	21 28 38	20°35'05	24°10	18°26	7°24	4°33	25°26	0°12	4°19	17°11	2°15	15° 3	13°34	10°19	25°26	T 8
F 9	21 32 35	21°33'03	6♑36	17°35	8°38	5°11	25°39	0°18	4°17	17°13	2°15	15° 1	13°31	10°26	25°24	F 9
S 10	21 36 31	22°31'03	18°52	16°48	9°52	5°49	25°52	0°24	4°16	17°15	2°14	14°56	13°28	10°32	25°21	S 10
S 11	21 40 28	23°29'03	1♒ 0	16° 4	11° 6	6°28	26° 5	0°29	4°14	17°17	2°13	14°49	13°24	10°39	25°19	S 11
M12	21 44 24	24°27'06	13° 1	15°27	12°20	7° 6	26°18	0°35	4°12	17°18	2°12	14°39	13°21	10°46	25°17	M12
T 13	21 48 21	25°25'10	24°58	14°55	13°35	7°45	26°31	0°41	4°11	17°20	2°11	14°27	13°18	10°53	25°15	T 13
W14	21 52 18	26°23'15	6♓53	14°31	14°49	8°23	26°44	0°46	4° 9	17°22	2°10	14°14	13°15	10°59	25°12	W14
T 15	21 56 14	27°21'23	18°45	14°15	16° 3	9° 2	26°57	0°52	4° 7	17°24	2° 9	14° 1	13°12	11° 6	25°10	T 15
F 16	22 0 11	28°19'32	0♈37	14°D 6	17°17	9°41	27°10	0°57	4° 5	17°26	2° 8	13°49	13° 8	11°13	25° 7	F 16
S 17	22 4 7	29°17'43	12°32	14° 7	18°32	10°19	27°23	1° 3	4° 3	17°27	2° 7	13°39	13° 5	11°19	25° 5	S 17
S 18	22 8 4	0♍15'56	24°30	14°16	19°46	10°58	27°36	1° 8	4° 2	17°29	2° 6	13°31	13° 2	11°26	25° 3	S 18
M19	22 12 0	1°14'11	6♉37	14°34	21° 0	11°37	27°49	1°13	4° 0	17°31	2° 6	13°27	12°59	11°33	25° 0	M19
T 20	22 15 57	2°12'28	18°57	15° 1	22°15	12°15	28° 2	1°18	3°58	17°33	2° 5	13°24	12°56	11°40	24°58	T 20
W21	22 19 53	3°10'48	1♊32	15°36	23°29	12°54	28°15	1°23	3°56	17°34	2° 4	13°D24	12°53	11°46	24°55	W21
T 22	22 23 50	4° 9'10	14°29	16°20	24°44	13°33	28°28	1°28	3°54	17°36	2° 3	13°R24	12°49	11°53	24°53	T 22
F 23	22 27 47	5° 7'33	27°51	17°12	25°58	14°12	28°41	1°33	3°52	17°38	2° 2	13°23	12°46	12° 0	24°50	F 23
S 24	22 31 43	6° 5'59	11♋42	18°11	27°13	14°51	28°54	1°38	3°50	17°39	2° 0	13°21	12°43	12° 7	24°47	S 24
S 25	22 35 40	7° 4'28	26° 2	19°17	28°27	15°29	29° 7	1°43	3°48	17°41	1°59	13°16	12°40	12°13	24°45	S 25
M26	22 39 36	8° 2'58	10♌48	20°30	29°42	16° 8	29°20	1°47	3°45	17°42	1°58	13° 9	12°37	12°20	24°42	M26
T 27	22 43 33	9° 1'30	25°56	21°49	0♍56	16°47	29°33	1°52	3°43	17°44	1°57	12°59	12°34	12°27	24°39	T 27
W28	22 47 29	10° 0'04	11♍15	23°14	2°11	17°26	29°46	1°56	3°41	17°46	1°56	12°48	12°30	12°33	24°37	W28
T 29	22 51 26	10°58'41	26°34	24°43	3°26	18° 5	29°59	2° 1	3°39	17°47	1°55	12°37	12°27	12°40	24°34	T 29
F 30	22 55 22	11°57'19	11♎41	26°16	4°40	18°44	0♍12	2° 5	3°37	17°49	1°54	12°28	12°24	12°47	24°31	F 30
S 31	22 59 19	12♍55'58	26♎28	27♌53	5♍55	19♍23	0♍25	2♋ 9	3♈35	17♋50	1♈53	12♊20	12♊21	12♓54	24♓29	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	16n45	9n28	5n 4	9n 3	4s39	21n12	0n43	12n29	1n 3	14n30	0n56	22n44	0s50	1n 7	0s44	22n 0	0s29	14s55	17s19	22n45	22n35	12s47	1n51	3n55	
F 2	16 29	3 20	4 50	9 18	4 40	20 59	0 45	12 15	1 3	14 25	0 56	22 44	0 50	1 6	0 44	21 59	0 29	14 55	17 20	22 44	22 35	12 44	1 51	3 55	
S 3	16 11	2s52	4 18	9 34	4 38	20 45	0 47	12 1	1 2	14 21	0 56	22 44	0 50	1 6	0 44	21 59	0 29	14 56	17 20	22 43	22 34	12 42	1 50	3 55	
S 4	15 54	8 45	3 31	9 54	4 35	20 30	0 49	11 47	1 2	14 17	0 56	22 44	0 49	1 5	0 44	21 59	0 29	14 56	17 20	22 43	22 34	12 39	1 49	3 55	
M 5	15 36	14 3	2 32	10 15	4 30	20 15	0 51	11 33	1 2	14 12	0 56	22 44	0 49	1 5	0 44	21 59	0 29	14 57	17 21	22 43	22 34	12 37	1 49	3 55	
T 6	15 19	18 31	1 27	10 39	4 23	19 59	0 53	11 19	1 1	14 8	0 56	22 44	0 49	1 4	0 44	21 58	0 29	14 57	17 21	22 43	22 33	12 34	1 48	3 55	
W 7	15 0	21 57	0 19	11 4	4 14	19 42	0 55	11 4	1 1	14 4	0 56	22 44	0 49	1 3	0 44	21 58	0 29	14 58	17 21	22 43	22 33	12 32	1 47	3 55	
T 8	14 42	24 14	0s48	11 31	4 4	19 25	0 57	10 50	1 1	13 59	0 56	22 44	0 49	1 3	0 44	21 58	0 29	14 59	17 21	22 43	22 32	12 29	1 46	3 55	
F 9	14 23	25 15	1 52	11 58	3 51	19 8	0 58	10 35	1 0	13 55	0 56	22 44	0 49	1 2	0 44	21 58	0 29	14 59	17 22	22 43	22 32	12 26	1 46	3 55	
S 10	14 5	25 1	2 49	12 26	3 37	18 50	1 0	10 21	1 0	13 51	0 56	22 44	0 49	1 2	0 44	21 57	0 29	15 0	17 22	22 42	22 32	12 24	1 45	3 55	
S 11	13 45	23 35	3 38	12 53	3 22	18 31	1 2	10 6	1 0	13 46	0 56	22 44	0 49	1 1	0 44	21 57	0 29	15 0	17 22	22 41	22 31	12 21	1 44	3 56	
M12	13 26	21 5	4 17	13 20	3 5	18 12	1 3	9 52	0 59	13 42	0 56	22 44	0 49	1 0	0 44	21 57	0 29	15 1	17 22	22 40	22 31	12 19	1 43	3 56	
T 13	13 7	17 43	4 44	13 46	2 48	17 52	1 5	9 37	0 59	13 37	0 56	22 44	0 49	0 59	0 44	21 57	0 29	15 1	17 22	22 39	22 31	12 16	1 42	3 56	
W14	12 47	13 38	4 58	14 10	2 30	17 32	1 7	9 22	0 59	13 33	0 56	22 44	0 49	0 59	0 44	21 56	0 29	15 2	17 23	22 37	22 30	12 14	1 41	3 56	
T 15	12 27	9 4	5 0	14 33	2 11	17 11	1 8	9 7	0 58	13 29	0 57	22 44	0 49	0 58	0 44	21 56	0 29	15 2	17 23	22 36	22 30	12 11	1 40	3 56	
F 16	12 7	4 9	4 48	14 53	1 52	16 50	1 9	8 52	0 58	13 24	0 57	22 44	0 49	0 57	0 44	21 56	0 29	15 3	17 23	22 34	22 29	12 9	1 39	3 56	
S 17	11 47	0n55	4 24	15 11	1 34	16 28	1 11	8 37	0 58	13 20	0 57	22 44	0 49	0 57	0 44	21 56	0 29	15 4	17 23	22 33	22 29	12 6	1 39	3 56	
S 18	11 26	6 1	3 48	15 26	1 15	16 6	1 12	8 22	0 57	13 15	0 57	22 44	0 49	0 56	0 44	21 56	0 29	15 4	17 24	22 32	22 29	12 3	1 38	3 56	
M19	11 5	10 56	3 1	15 38	0 57	15 43	1 13	8 7	0 57	13 11	0 57	22 44	0 49	0 55	0 44	21 55	0 29	15 5	17 24	22 32	22 28	12 1	1 37	3 56	
T 20	10 44	15 32	2 6	15 47	0 39	15 20	1 15	7 52	0 56	13 6	0 57	22 44	0 49	0 54	0 44	21 55	0 29	15 5	17 24	22 31	22 28	11 58	1 36	3 56	
W21	10 23	19 33	1 2	15 53	0 22	14 57	1 16	7 37	0 56	13 2	0 57	22 44	0 49	0 53	0 44	21 55	0 29	15 6	17 24	22 31	22 27	11 56	1 35	3 56	
T 22	10 2	22 45	0n 6	15 56	0 6	14 33	1 17	7 21	0 56	12 57	0 57	22 44	0 49	0 53	0 44	21 55	0 29	15 6	17 24	22 31	22 27	11 53	1 34	3 56	
F 23	9 41	24 48	1 16	15 54	0n 9	14 9	1 18	7 6	0 55	12 53	0 57	22 44	0 49	0 52	0 44	21 54	0 29	15 7	17 25	22 31	22 26	11 51	1 33	3 56	
S 24	9 19	25 25	2 24	15 50	0 24	13 44	1 19	6 51	0 55	12 48	0 57	22 44	0 49	0 51	0 44	21 54	0 29	15 7	17 25	22 31	22 26	11 48	1 32	3 56	
S 25	8 57	24 24	3 25	15 42	0 37	13 19	1 20	6 35	0 55	12 44	0 57	22 44	0 49	0 50	0 45	21 54	0 29	15 8	17 25	22 30	22 26	11 45	1 31	3 56	
M26	8 36	21 41	4 14	15 30	0 49	12 53	1 20	6 20	0 54	12 39	0 57	22 44	0 49	0 49	0 45	21 54	0 29	15 9	17 25	22 29	22 25	11 43	1 30	3 56	
T 27	8 14	17 26	4 47	15 15	1 0	12 28	1 21	6 4	0 54	12 35	0 57	22 44	0 49	0 48	0 45	21 54	0 29	15 9	17 25	22 28	22 25	11 40	1 29	3 56	
W28	7 51	12 0	5 0	14 57	1 10	12 1	1 22	5 48	0 54	12 30	0 57	22 44	0 49	0 48	0 45	21 53	0 29	15 10	17 25	22 27	22 24	11 38	1 27	3 56	
T 29	7 29	5 49	4 51	14 35	1 19	11 35	1 23	5 33	0 53	12 26	0 57	22 43	0 49	0 47	0 45	21 53	0 29	15 10	17 25	22 25	22 24	11 35	1 26	3 56	
F 30	7 7	0s37	4 22	14 11	1 26	11 8	1 23	5 17	0 53	12 21	0 58	22 43	0 49	0 46	0 45	21 53	0 29	15 11	17 26	22 24	22 24	11 32	1 25	3 56	
S 31	6n44	6s54	3n36	13n43	1n33	10n41	1n24	5n 1	0n52	12n17	0n58	22n43	0s49	0n45	0s45	21n53	0s29	15s11	17s26	22n23	22n23	11s30	1n24	3n56	

Julian Day Number = 2119392.5, Delta T = 18m13s
Ecliptic obliquity = 23°33'29, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°03'45, Lahiri = 11°10'46 Julian Calendar 1 Aug. 1090 == Greg. Calendar 7 Aug. 1090

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1090
geocentric

SEPTEMBER 1090 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 3 16	13♍54'40	10♏48	29♌33	7♍10	20♍ 3	0♍37	2♋13	3°R32	17♋51	1°R52	12°R15	12♊18	13♓ 0	24°R26	S 1
M 2	23 7 12	14°53'24	24°39	1♍16	8°24	20°42	0°50	2°17	3♈30	17°53	1♈51	12♊13	12°14	13° 7	24♓23	M 2
T 3	23 11 9	15°52'09	8♐ 2	3° 0	9°39	21°21	1° 3	2°21	3°28	17°54	1°50	12°12	12°11	13°14	24°20	T 3
W 4	23 15 5	16°50'56	20°59	4°47	10°54	22° 0	1°16	2°25	3°25	17°56	1°49	12°12	12° 8	13°20	24°18	W 4
T 5	23 19 2	17°49'44	3♑36	6°34	12° 9	22°39	1°29	2°29	3°23	17°57	1°48	12°12	12° 5	13°27	24°15	T 5
F 6	23 22 58	18°48'35	15°56	8°22	13°24	23°19	1°41	2°32	3°21	17°58	1°46	12° 9	12° 2	13°34	24°12	F 6
S 7	23 26 55	19°47'27	28° 5	10°11	14°38	23°58	1°54	2°36	3°19	17°59	1°45	12° 4	11°59	13°41	24° 9	S 7
S 8	23 30 51	20°46'21	10♒ 5	12° 1	15°53	24°37	2° 7	2°39	3°16	18° 1	1°44	11°56	11°55	13°47	24° 7	S 8
M 9	23 34 48	21°45'17	22° 0	13°50	17° 8	25°17	2°19	2°43	3°14	18° 2	1°43	11°46	11°52	13°54	24° 4	M 9
T 10	23 38 45	22°44'15	3♓53	15°39	18°23	25°56	2°32	2°46	3°11	18° 3	1°42	11°33	11°49	14° 1	24° 1	T 10
W11	23 42 41	23°43'15	15°46	17°29	19°38	26°35	2°45	2°49	3° 9	18° 4	1°41	11°19	11°46	14° 8	23°58	W11
T 12	23 46 38	24°42'17	27°40	19°17	20°53	27°15	2°57	2°52	3° 7	18° 5	1°39	11° 5	11°43	14°14	23°55	T 12
F 13	23 50 34	25°41'21	9♈36	21° 6	22° 8	27°54	3°10	2°55	3° 4	18° 6	1°38	10°53	11°39	14°21	23°53	F 13
S 14	23 54 31	26°40'27	21°35	22°53	23°23	28°34	3°22	2°58	3° 2	18° 7	1°37	10°42	11°36	14°28	23°50	S 14
S 15	23 58 27	27°39'35	3♉40	24°41	24°38	29°13	3°35	3° 1	2°59	18° 8	1°36	10°34	11°33	14°34	23°47	S 15
M16	0 2 24	28°38'45	15°53	26°27	25°53	29°53	3°47	3° 4	2°57	18° 9	1°35	10°28	11°30	14°41	23°44	M16
T 17	0 6 20	29°37'58	28°16	28°13	27° 8	0♎33	3°59	3° 6	2°55	18°10	1°34	10°26	11°27	14°48	23°41	T 17
W18	0 10 17	0♎37'13	10♊54	29°58	28°23	1°12	4°12	3° 9	2°52	18°11	1°33	10°D25	11°24	14°55	23°39	W18
T 19	0 14 13	1°36'31	23°49	1♎42	29°38	1°52	4°24	3°11	2°50	18°12	1°31	10°26	11°20	15° 1	23°36	T 19
F 20	0 18 10	2°35'51	7♋ 5	3°26	0♎53	2°32	4°36	3°13	2°47	18°13	1°30	10°R26	11°17	15° 8	23°33	F 20
S 21	0 22 7	3°35'13	20°47	5° 9	2° 8	3°11	4°49	3°15	2°45	18°14	1°29	10°24	11°14	15°15	23°30	S 21
S 22	0 26 3	4°34'38	4♌55	6°51	3°23	3°51	5° 1	3°18	2°42	18°15	1°28	10°21	11°11	15°22	23°28	S 22
M23	0 30 0	5°34'05	19°28	8°33	4°38	4°31	5°13	3°19	2°40	18°16	1°27	10°15	11° 8	15°28	23°25	M23
T 24	0 33 56	6°33'34	4♍23	10°13	5°53	5°11	5°25	3°21	2°37	18°16	1°26	10° 7	11° 5	15°35	23°22	T 24
W25	0 37 53	7°33'06	19°33	11°53	7° 9	5°51	5°37	3°23	2°35	18°17	1°24	9°58	11° 1	15°42	23°19	W25
T 26	0 41 49	8°32'40	4♎47	13°33	8°24	6°31	5°49	3°25	2°33	18°18	1°23	9°48	10°58	15°48	23°17	T 26
F 27	0 45 46	9°32'15	19°55	15°11	9°39	7°11	6° 1	3°26	2°30	18°18	1°22	9°40	10°55	15°55	23°14	F 27
S 28	0 49 42	10°31'53	4♏46	16°49	10°54	7°51	6°13	3°28	2°28	18°19	1°21	9°33	10°52	16° 2	23°11	S 28
S 29	0 53 39	11°31'33	19°13	18°26	12° 9	8°31	6°24	3°29	2°25	18°20	1°20	9°29	10°49	16° 9	23° 9	S 29
M30	0 57 36	12♎31'15	3♐12	20♎ 3	13♎24	9♎11	6♍36	3♋30	2♈23	18♋20	1♈19	9°D27	10♊45	16♓15	23♓ 6	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n22	12s39	2n38	13n13	1n38	10n13	1n24	4n46	0n52	12n12	0n58	22n43	0s49	0n44	0s45	21n53	0s29	15s12	17s26	22n22	22n23	11s27	1n23	3n56
M 2	5 59	17 33	1 31	12 41	1 43	9 46	1 24	4 30	0 52	12 8	0 58	22 43	0 49	0 43	0 45	21 52	0 29	15 12	17 26	22 22	22 22	11 25	1 22	3 56
T 3	5 36	21 24	0 22	12 6	1 46	9 18	1 25	4 14	0 51	12 3	0 58	22 43	0 49	0 42	0 45	21 52	0 29	15 13	17 26	22 22	22 22	11 22	1 21	3 56
W 4	5 13	24 1	0s46	11 30	1 49	8 49	1 25	3 58	0 51	11 59	0 58	22 43	0 49	0 41	0 45	21 52	0 29	15 14	17 26	22 22	22 22	11 19	1 20	3 56
T 5	4 50	25 21	1 50	10 51	1 51	8 21	1 25	3 42	0 51	11 54	0 58	22 43	0 49	0 40	0 45	21 52	0 29	15 14	17 26	22 22	22 21	11 17	1 19	3 56
F 6	4 27	25 23	2 48	10 11	1 51	7 52	1 25	3 26	0 50	11 50	0 58	22 43	0 49	0 39	0 45	21 52	0 29	15 15	17 26	22 22	22 21	11 14	1 17	3 56
S 7	4 4	24 11	3 37	9 30	1 52	7 23	1 25	3 10	0 50	11 45	0 58	22 43	0 49	0 38	0 45	21 52	0 29	15 15	17 26	22 21	22 20	11 11	1 16	3 56
S 8	3 40	21 54	4 15	8 48	1 51	6 54	1 25	2 54	0 49	11 41	0 58	22 43	0 49	0 37	0 45	21 51	0 29	15 16	17 26	22 20	22 20	11 9	1 15	3 56
M 9	3 17	18 41	4 43	8 5	1 50	6 25	1 25	2 38	0 49	11 36	0 58	22 43	0 49	0 36	0 45	21 51	0 29	15 16	17 27	22 19	22 19	11 6	1 14	3 56
T 10	2 54	14 44	4 57	7 20	1 48	5 55	1 25	2 22	0 49	11 32	0 59	22 43	0 49	0 36	0 45	21 51	0 29	15 17	17 27	22 17	22 19	11 3	1 13	3 56
W11	2 30	10 14	4 59	6 35	1 45	5 25	1 25	2 6	0 48	11 28	0 59	22 43	0 49	0 35	0 45	21 51	0 29	15 17	17 27	22 15	22 19	11 1	1 12	3 56
T 12	2 7	5 20	4 48	5 50	1 43	4 56	1 25	1 50	0 48	11 23	0 59	22 43	0 49	0 34	0 45	21 51	0 29	15 18	17 27	22 13	22 18	10 58	1 11	3 55
F 13	1 43	0 13	4 24	5 4	1 39	4 26	1 24	1 34	0 47	11 19	0 59	22 43	0 49	0 33	0 45	21 51	0 29	15 18	17 27	22 11	22 18	10 55	1 9	3 55
S 14	1 20	4n56	3 48	4 18	1 35	3 55	1 24	1 17	0 47	11 14	0 59	22 42	0 49	0 32	0 45	21 50	0 29	15 19	17 27	22 10	22 17	10 53	1 8	3 55
S 15	0 56	9 57	3 2	3 31	1 31	3 25	1 23	1 1	0 46	11 10	0 59	22 42	0 49	0 31	0 45	21 50	0 29	15 19	17 27	22 8	22 17	10 50	1 7	3 55
M16	0 32	14 40	2 6	2 45	1 27	2 55	1 23	0 45	0 46	11 5	0 59	22 42	0 49	0 30	0 45	21 50	0 29	15 20	17 27	22 8	22 16	10 47	1 6	3 55
T 17	0 9	18 50	1 4	1 58	1 22	2 24	1 22	0 29	0 46	11 1	0 59	22 42	0 49	0 29	0 45	21 50	0 29	15 20	17 27	22 7	22 16	10 45	1 5	3 55
W18	0s15	22 14	0n 3	1 11	1 17	1 54	1 22	0 13	0 45	10 56	0 59	22 42	0 49	0 28	0 45	21 50	0 29	15 21	17 27	22 7	22 16	10 42	1 3	3 55
T 19	0 39	24 35	1 11	0 25	1 11	1 23	1 21	0s 4	0 45	10 52	1 0	22 42	0 49	0 27	0 45	21 50	0 29	15 21	17 27	22 7	22 15	10 39	1 2	3 55
F 20	1 2	25 39	2 17	0s22	1 6	0 52	1 20	0 20	0 44	10 48	1 0	22 42	0 49	0 26	0 45	21 50	0 29	15 21	17 27	22 7	22 15	10 37	1 1	3 55
S 21	1 26	25 11	3 17	1 8	1 0	0 21	1 19	0 36	0 44	10 43	1 0	22 42	0 49	0 25	0 45	21 50	0 29	15 22	17 27	22 7	22 14	10 34	1 0	3 55
S 22	1 50	23 8	4 8	1 54	0 54	0s 9	1 18	0 53	0 43	10 39	1 0	22 42	0 49	0 24	0 45	21 49	0 29	15 22	17 27	22 7	22 14	10 31	0 59	3 55
M23	2 13	19 32	4 44	2 40	0 48	0 40	1 17	1 9	0 43	10 35	1 0	22 42	0 49	0 23	0 45	21 49	0 29	15 23	17 27	22 6	22 13	10 29	0 58	3 55
T 24	2 37	14 37	5 2	3 26	0 42	1 11	1 16	1 25	0 43	10 30	1 0	22 42	0 49	0 22	0 45	21 49	0 29	15 23	17 27	22 5	22 13	10 26	0 56	3 54
W25	3 1	8 44	4 59	4 11	0 35	1 42	1 15	1 41	0 42	10 26	1 0	22 42	0 49	0 21	0 45	21 49	0 29	15 24	17 27	22 3	22 12	10 23	0 55	3 54
T 26	3 24	2 18	4 35	4 56	0 29	2 13	1 14	1 58	0 42	10 22	1 0	22 42	0 49	0 20	0 45	21 49	0 29	15 24	17 27	22 2	22 12	10 21	0 54	3 54
F 27	3 48	4s14	3 52	5 40	0 22	2 43	1 13	2 14	0 41	10 17	1 1	22 42	0 49	0 19	0 45	21 49	0 29	15 25	17 27	22 1	22 12	10 18	0 53	3 54
S 28	4 11	10 26	2 54	6 24	0 15	3 14	1 12	2 30	0 41	10 13	1 1	22 42	0 49	0 18	0 45	21 49	0 29	15 25	17 27	22 0	22 11	10 15	0 52	3 54
S 29	4 35	15 55	1 46	7 8	0 9	3 45	1 10	2 47	0 40	10 9	1 1	22 42	0 49	0 17	0 45	21 49	0 29	15 25	17 27	21 59	22 11	10 12	0 51	3 54
M30	4s58	20s21	0n33	7s51	0n 2	4s15	1n 9	3s 3	0n40	10n 5	1n 1	22n42	0s49	0n16	0s45	21n49	0s29	15s26	17s26	21n59	22n10	10s10	0n49	3n54

Julian Day Number = 2119423.5, Delta T = 18m13s
Ecliptic obliquity = 23°33'29, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°03'50, Lahiri = 11°10'50 Julian Calendar 1 Sept. 1090 == Greg. Calendar 7 Sept. 1090

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1090
geocentric

OCTOBER 1090 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 1 32	13♎30'58	16♐42	21♎39	14♎40	9♎51	6♍48	3♋31	2°R21	18♋21	1°R17	9♊27	10♊42	16♓22	23°R 4	T 1
W 2	1 5 29	14°30'43	29°45	23°15	15°55	10°31	6°59	3°32	2♈18	18°21	1♈16	9°28	10°39	16°29	23♓ 1	W 2
T 3	1 9 25	15°30'30	12♑25	24°49	17°10	11°12	7°11	3°33	2°16	18°22	1°15	9°R29	10°36	16°35	22°59	T 3
F 4	1 13 22	16°30'19	24°46	26°24	18°25	11°52	7°22	3°34	2°14	18°22	1°14	9°28	10°33	16°42	22°56	F 4
S 5	1 17 18	17°30'09	6♒53	27°57	19°40	12°32	7°34	3°34	2°11	18°22	1°13	9°26	10°30	16°49	22°54	S 5
S 6	1 21 15	18°30'02	18°51	29°31	20°56	13°13	7°45	3°35	2° 9	18°23	1°12	9°22	10°26	16°56	22°51	S 6
M 7	1 25 11	19°29'55	0♓45	1♏ 3	22°11	13°53	7°56	3°35	2° 7	18°23	1°11	9°15	10°23	17° 2	22°49	M 7
T 8	1 29 8	20°29'51	12°36	2°35	23°26	14°33	8° 7	3°35	2° 4	18°23	1°10	9° 7	10°20	17° 9	22°46	T 8
W 9	1 33 5	21°29'48	24°30	4° 7	24°41	15°14	8°18	3°36	2° 2	18°24	1° 9	8°58	10°17	17°16	22°44	W 9
T 10	1 37 1	22°29'47	6♈27	5°38	25°57	15°54	8°29	3°R36	2° 0	18°24	1° 7	8°49	10°14	17°23	22°42	T 10
F 11	1 40 58	23°29'48	18°29	7° 9	27°12	16°35	8°40	3°36	1°58	18°24	1° 6	8°40	10°10	17°29	22°39	F 11
S 12	1 44 54	24°29'51	0♉38	8°39	28°27	17°15	8°51	3°35	1°55	18°24	1° 5	8°33	10° 7	17°36	22°37	S 12
S 13	1 48 51	25°29'56	12°56	10° 8	29°42	17°56	9° 2	3°35	1°53	18°24	1° 4	8°28	10° 4	17°43	22°35	S 13
M14	1 52 47	26°30'03	25°22	11°38	0♏58	18°36	9°13	3°35	1°51	18°24	1° 3	8°25	10° 1	17°49	22°33	M14
T 15	1 56 44	27°30'12	7♊58	13° 6	2°13	19°17	9°23	3°34	1°49	18°24	1° 2	8°D24	9°58	17°56	22°30	T 15
W16	2 0 40	28°30'23	20°47	14°34	3°28	19°58	9°34	3°34	1°47	18°R24	1° 1	8°24	9°55	18° 3	22°28	W16
T 17	2 4 37	29°30'36	3♋50	16° 2	4°43	20°39	9°44	3°33	1°45	18°24	1° 0	8°26	9°51	18°10	22°26	T 17
F 18	2 8 34	0♏30'51	17°10	17°29	5°59	21°19	9°55	3°32	1°43	18°24	0°59	8°27	9°48	18°16	22°24	F 18
S 19	2 12 30	1°31'08	0♌48	18°55	7°14	22° 0	10° 5	3°31	1°41	18°24	0°58	8°R28	9°45	18°23	22°22	S 19
S 20	2 16 27	2°31'28	14°46	20°21	8°29	22°41	10°15	3°30	1°39	18°24	0°57	8°27	9°42	18°30	22°20	S 20
M21	2 20 23	3°31'49	29° 3	21°46	9°44	23°22	10°25	3°29	1°37	18°24	0°56	8°25	9°39	18°36	22°18	M21
T 22	2 24 20	4°32'12	13♍37	23°10	11° 0	24° 3	10°35	3°28	1°35	18°24	0°55	8°21	9°36	18°43	22°16	T 22
W23	2 28 16	5°32'37	28°24	24°34	12°15	24°44	10°45	3°26	1°33	18°24	0°54	8°17	9°32	18°50	22°14	W23
T 24	2 32 13	6°33'05	13♎16	25°57	13°30	25°25	10°55	3°25	1°31	18°23	0°53	8°12	9°29	18°57	22°13	T 24
F 25	2 36 9	7°33'33	28° 6	27°19	14°46	26° 6	11° 5	3°23	1°29	18°23	0°53	8° 7	9°26	19° 3	22°11	F 25
S 26	2 40 6	8°34'04	12♏45	28°39	16° 1	26°47	11°14	3°21	1°27	18°23	0°52	8° 4	9°23	19°10	22° 9	S 26
S 27	2 44 3	9°34'36	27° 7	29°59	17°16	27°28	11°24	3°20	1°25	18°22	0°51	8° 2	9°20	19°17	22° 7	S 27
M28	2 47 59	10°35'10	11♐ 5	1♐17	18°32	28°10	11°33	3°18	1°24	18°22	0°50	8°D 2	9°16	19°24	22° 6	M28
T 29	2 51 56	11°35'46	24°39	2°34	19°47	28°51	11°43	3°16	1°22	18°21	0°49	8° 3	9°13	19°30	22° 4	T 29
W30	2 55 52	12°36'22	7♑48	3°49	21° 2	29°32	11°52	3°13	1°20	18°21	0°48	8° 4	9°10	19°37	22° 3	W30
T 31	2 59 49	13♏37'00	20♑33	5♐ 2	22♏18	0♏13	12♍ 1	3♋11	1♈19	18♋20	0♈47	8♊ 6	9♊ 7	19♓44	22♓ 1	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s22	23s32	0s39	8s33	0s 5	4s46	1n 8	3s19	0n39	10n 0	1n 1	22n42	0s49	0n15	0s45	21n49	0s29	15s26	17s26	21n59	22n10	10s 7	0n48	3n53
W 2	5 45	25 20	1 47	9 15	0 12	5 16	1 6	3 35	0 39	9 56	1 1	22 42	0 49	0 14	0 45	21 49	0 29	15 26	17 26	21 59	22 9	10 4	0 47	3 53
T 3	6 8	25 45	2 47	9 57	0 18	5 47	1 5	3 52	0 39	9 52	1 1	22 42	0 49	0 13	0 45	21 48	0 29	15 27	17 26	21 59	22 9	10 1	0 46	3 53
F 4	6 31	24 52	3 39	10 38	0 25	6 17	1 3	4 8	0 38	9 48	1 2	22 42	0 49	0 13	0 45	21 48	0 29	15 27	17 26	21 59	22 8	9 59	0 45	3 53
S 5	6 54	22 49	4 19	11 18	0 32	6 47	1 1	4 24	0 38	9 44	1 2	22 42	0 49	0 12	0 44	21 48	0 29	15 28	17 26	21 59	22 8	9 56	0 44	3 53
S 6	7 17	19 47	4 47	11 57	0 39	7 17	1 0	4 40	0 37	9 40	1 2	22 42	0 49	0 11	0 44	21 48	0 29	15 28	17 26	21 58	22 7	9 53	0 43	3 53
M 7	7 40	15 59	5 3	12 36	0 45	7 47	0 58	4 56	0 37	9 36	1 2	22 42	0 49	0 10	0 44	21 48	0 29	15 28	17 26	21 57	22 7	9 51	0 41	3 53
T 8	8 3	11 34	5 6	13 15	0 52	8 16	0 56	5 13	0 36	9 32	1 2	22 42	0 49	0 9	0 44	21 48	0 29	15 29	17 26	21 56	22 7	9 48	0 40	3 52
W 9	8 25	6 43	4 56	13 52	0 59	8 46	0 55	5 29	0 36	9 28	1 2	22 42	0 49	0 8	0 44	21 48	0 29	15 29	17 26	21 54	22 6	9 45	0 39	3 52
T 10	8 48	1 35	4 32	14 29	1 5	9 15	0 53	5 45	0 35	9 24	1 3	22 42	0 49	0 7	0 44	21 48	0 29	15 29	17 25	21 53	22 6	9 42	0 38	3 52
F 11	9 10	3n38	3 56	15 5	1 11	9 44	0 51	6 1	0 35	9 20	1 3	22 42	0 49	0 6	0 44	21 48	0 29	15 29	17 25	21 51	22 5	9 40	0 37	3 52
S 12	9 32	8 48	3 10	15 41	1 18	10 13	0 49	6 17	0 34	9 16	1 3	22 42	0 49	0 5	0 44	21 48	0 29	15 30	17 25	21 50	22 5	9 37	0 36	3 52
S 13	9 54	13 41	2 13	16 15	1 24	10 41	0 47	6 33	0 34	9 12	1 3	22 42	0 49	0 5	0 44	21 48	0 29	15 30	17 25	21 49	22 4	9 34	0 35	3 52
M14	10 16	18 4	1 10	16 49	1 30	11 10	0 45	6 49	0 33	9 8	1 3	22 42	0 49	0 4	0 44	21 48	0 29	15 30	17 25	21 49	22 4	9 31	0 34	3 51
T 15	10 38	21 43	0 2	17 22	1 35	11 38	0 43	7 5	0 33	9 4	1 3	22 42	0 49	0 3	0 44	21 48	0 29	15 31	17 25	21 49	22 3	9 29	0 33	3 51
W16	11 0	24 21	1n 7	17 54	1 41	12 6	0 41	7 21	0 32	9 0	1 4	22 42	0 49	0 2	0 44	21 48	0 29	15 31	17 24	21 49	22 3	9 26	0 32	3 51
T 17	11 21	25 44	2 14	18 25	1 47	12 33	0 39	7 37	0 32	8 56	1 4	22 42	0 49	0 1	0 44	21 48	0 29	15 31	17 24	21 49	22 2	9 23	0 31	3 51
F 18	11 43	25 40	3 15	18 55	1 52	13 0	0 37	7 52	0 31	8 53	1 4	22 42	0 49	0 0	0 44	21 48	0 29	15 31	17 24	21 49	22 2	9 20	0 30	3 51
S 19	12 4	24 5	4 7	19 25	1 57	13 27	0 34	8 8	0 31	8 49	1 4	22 42	0 49	0s 0	0 44	21 48	0 29	15 31	17 24	21 50	22 1	9 17	0 29	3 50
S 20	12 25	21 2	4 45	19 53	2 2	13 54	0 32	8 24	0 30	8 45	1 4	22 42	0 49	0 1	0 44	21 48	0 29	15 32	17 24	21 49	22 1	9 15	0 28	3 50
M21	12 45	16 39	5 7	20 20	2 7	14 20	0 30	8 40	0 30	8 41	1 5	22 42	0 49	0 2	0 44	21 48	0 29	15 32	17 24	21 49	22 0	9 12	0 27	3 50
T 22	13 6	11 14	5 10	20 46	2 11	14 46	0 28	8 55	0 29	8 38	1 5	22 42	0 49	0 3	0 44	21 48	0 29	15 32	17 23	21 48	22 0	9 9	0 26	3 50
W23	13 26	5 7	4 53	21 11	2 15	15 11	0 26	9 11	0 29	8 34	1 5	22 42	0 49	0 3	0 44	21 48	0 29	15 32	17 23	21 48	21 59	9 6	0 25	3 50
T 24	13 46	1s21	4 15	21 35	2 19	15 36	0 23	9 26	0 28	8 31	1 5	22 42	0 49	0 4	0 44	21 48	0 29	15 32	17 23	21 47	21 59	9 4	0 24	3 49
F 25	14 6	7 43	3 21	21 58	2 22	16 1	0 21	9 42	0 28	8 27	1 5	22 42	0 49	0 5	0 44	21 48	0 29	15 33	17 23	21 46	21 59	9 1	0 23	3 49
S 26	14 26	13 37	2 14	22 19	2 25	16 25	0 19	9 57	0 27	8 24	1 6	22 42	0 49	0 6	0 44	21 48	0 29	15 33	17 22	21 46	21 58	8 58	0 22	3 49
S 27	14 45	18 39	1 0	22 39	2 28	16 49	0 16	10 13	0 27	8 20	1 6	22 42	0 49	0 6	0 44	21 48	0 30	15 33	17 22	21 45	21 58	8 55	0 22	3 49
M28	15 4	22 30	0s17	22 58	2 30	17 12	0 14	10 28	0 26	8 17	1 6	22 42	0 49	0 7	0 44	21 48	0 30	15 33	17 22	21 45	21 57	8 52	0 21	3 48
T 29	15 23	24 57	1 30	23 16	2 32	17 35	0 11	10 43	0 26	8 13	1 6	22 43	0 49	0 8	0 44	21 48	0 30	15 33	17 22	21 45	21 57	8 50	0 20	3 48
W30	15 42	25 56	2 36	23 32	2 34	17 58	0 9	10 58	0 25	8 10	1 6	22 43	0 49	0 8	0 44	21 48	0 30	15 33	17 21	21 46	21 56	8 47	0 19	3 48
T 31	16s 0	25s29	3s33	23s46	2s34	18s20	0n 7	11s13	0n25	8n 7	1n 7	22n43	0s49	0s 9	0s44	21n48	0s30	15s33	17s21	21n46	21n56	8s44	0n18	3n48

Julian Day Number = 2119453.5, Delta T = 18m13s
Ecliptic obliquity = 23°33'29, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°03'54, Lahiri = 11°10'54 Julian Calendar 1 Oct. 1090 == Greg. Calendar 7 Oct. 1090

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1090
geocentric

NOVEMBER 1090 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 3 45	14♏37'39	2♒59	6♐14	23♏33	0♏55	12♍10	3°R 9	1°R17	18°R20	0°R47	8♊ 7	9♊ 4	19♓50	22°R 0	F 1
S 2	3 7 42	15°38'20	15° 9	7°22	24°48	1°36	12°19	3♋ 6	1♈16	18♋19	0♈46	8°R 8	9° 1	19°57	21♓58	S 2
S 3	3 11 38	16°39'01	27° 8	8°28	26° 3	2°17	12°27	3° 4	1°14	18°19	0°45	8° 7	8°57	20° 4	21°57	S 3
M 4	3 15 35	17°39'43	9♓ 2	9°31	27°19	2°59	12°36	3° 1	1°13	18°18	0°44	8° 6	8°54	20°11	21°56	M 4
T 5	3 19 32	18°40'27	20°54	10°30	28°34	3°40	12°44	2°58	1°11	18°18	0°44	8° 3	8°51	20°17	21°54	T 5
W 6	3 23 28	19°41'12	2♈48	11°25	29°49	4°22	12°53	2°56	1°10	18°17	0°43	8° 1	8°48	20°24	21°53	W 6
T 7	3 27 25	20°41'58	14°49	12°16	1♗ 5	5° 4	13° 1	2°53	1° 8	18°16	0°42	7°58	8°45	20°31	21°52	T 7
F 8	3 31 21	21°42'45	26°58	13° 1	2°20	5°45	13° 9	2°50	1° 7	18°15	0°41	7°55	8°42	20°37	21°51	F 8
S 9	3 35 18	22°43'33	9♉18	13°41	3°35	6°27	13°17	2°47	1° 6	18°15	0°41	7°53	8°38	20°44	21°50	S 9
S 10	3 39 14	23°44'22	21°50	14°13	4°50	7° 8	13°25	2°43	1° 5	18°14	0°40	7°51	8°35	20°51	21°49	S 10
M11	3 43 11	24°45'13	4♊35	14°39	6° 6	7°50	13°32	2°40	1° 4	18°13	0°40	7°D51	8°32	20°58	21°48	M11
T 12	3 47 7	25°46'05	17°33	14°56	7°21	8°32	13°40	2°37	1° 2	18°12	0°39	7°51	8°29	21° 4	21°47	T 12
W13	3 51 4	26°46'58	0♋44	15°R 4	8°36	9°14	13°48	2°33	1° 1	18°11	0°38	7°52	8°26	21°11	21°46	W13
T 14	3 55 1	27°47'53	14° 7	15° 2	9°51	9°56	13°55	2°30	1° 0	18°10	0°38	7°53	8°22	21°18	21°46	T 14
F 15	3 58 57	28°48'49	27°43	14°49	11° 7	10°38	14° 2	2°26	0°59	18° 9	0°37	7°53	8°19	21°25	21°45	F 15
S 16	4 2 54	29°49'46	11♌30	14°26	12°22	11°19	14° 9	2°22	0°58	18° 8	0°37	7°54	8°16	21°31	21°44	S 16
S 17	4 6 50	0♗50'44	25°28	13°51	13°37	12° 1	14°16	2°19	0°57	18° 7	0°36	7°R54	8°13	21°38	21°44	S 17
M18	4 10 47	1°51'43	9♍37	13° 5	14°53	12°43	14°23	2°15	0°57	18° 6	0°36	7°54	8°10	21°45	21°43	M18
T 19	4 14 43	2°52'44	23°53	12° 8	16° 8	13°26	14°29	2°11	0°56	18° 5	0°35	7°54	8° 7	21°51	21°43	T 19
W20	4 18 40	3°53'46	8♎15	11° 2	17°23	14° 8	14°36	2° 7	0°55	18° 4	0°35	7°54	8° 3	21°58	21°42	W20
T 21	4 22 36	4°54'49	22°38	9°48	18°38	14°50	14°42	2° 3	0°54	18° 3	0°34	7°53	8° 0	22° 5	21°42	T 21
F 22	4 26 33	5°55'53	6♏59	8°29	19°54	15°32	14°48	1°59	0°54	18° 2	0°34	7°53	7°57	22°12	21°42	F 22
S 23	4 30 30	6°56'59	21°12	7° 6	21° 9	16°14	14°54	1°54	0°53	18° 1	0°34	7°53	7°54	22°18	21°41	S 23
S 24	4 34 26	7°58'05	5♗13	5°44	22°24	16°57	15° 0	1°50	0°53	17°59	0°33	7°53	7°51	22°25	21°41	S 24
M25	4 38 23	8°59'12	18°58	4°23	23°39	17°39	15° 6	1°46	0°52	17°58	0°33	7°53	7°48	22°32	21°41	M25
T 26	4 42 19	10° 0'19	2♑25	3° 8	24°54	18°21	15°11	1°41	0°52	17°57	0°33	7°53	7°44	22°38	21°41	T 26
W27	4 46 16	11° 1'27	15°31	2° 1	26°10	19° 4	15°17	1°37	0°51	17°56	0°32	7°53	7°41	22°45	21°D41	W27
T 28	4 50 12	12° 2'36	28°18	1° 2	27°25	19°46	15°22	1°32	0°51	17°54	0°32	7°52	7°38	22°52	21°41	T 28
F 29	4 54 9	13° 3'45	10♒46	0°13	28°40	20°28	15°27	1°28	0°51	17°53	0°32	7°51	7°35	22°59	21°41	F 29
S 30	4 58 5	14♗ 4'54	22♒59	29♏36	29♗55	21♏11	15♍32	1♋23	0♈50	17♋52	0♈32	7♊51	7♊32	23♓ 5	21♓41	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16s18	23s46	4s18	23s59	2s35	18s41	0n 4	11s28	0n24	8n 4	1n 7	22n43	0s48	0s 9	0s44	21n49	0s30	15s33	17s21	21n46	21n55	8s41	0n17	3n47
S 2	16 36	20 59	4 50	24 11	2 34	19 2	0 2	11 43	0 23	8 0	1 7	22 43	0 48	0 10	0 44	21 49	0 30	15 33	17 21	21 46	21 55	8 38	0 17	3 47
S 3	16 54	17 21	5 9	24 21	2 33	19 22	0s 1	11 58	0 23	7 57	1 7	22 43	0 48	0 11	0 44	21 49	0 30	15 33	17 20	21 46	21 54	8 35	0 16	3 47
M 4	17 11	13 4	5 15	24 29	2 31	19 42	0 3	12 13	0 22	7 54	1 7	22 43	0 48	0 11	0 44	21 49	0 30	15 34	17 20	21 46	21 54	8 33	0 15	3 47
T 5	17 28	8 19	5 7	24 35	2 28	20 2	0 5	12 28	0 22	7 51	1 8	22 43	0 48	0 12	0 44	21 49	0 30	15 34	17 20	21 46	21 53	8 30	0 14	3 47
W 6	17 45	3 15	4 46	24 39	2 25	20 20	0 8	12 42	0 21	7 48	1 8	22 43	0 48	0 12	0 44	21 49	0 30	15 34	17 20	21 45	21 53	8 27	0 14	3 46
T 7	18 1	1n59	4 12	24 42	2 20	20 39	0 10	12 57	0 21	7 45	1 8	22 43	0 48	0 13	0 44	21 49	0 30	15 34	17 19	21 45	21 52	8 24	0 13	3 46
F 8	18 17	7 14	3 27	24 42	2 15	20 56	0 13	13 11	0 20	7 42	1 8	22 43	0 48	0 13	0 44	21 49	0 30	15 34	17 19	21 44	21 52	8 21	0 12	3 46
S 9	18 33	12 16	2 31	24 40	2 8	21 13	0 15	13 26	0 20	7 39	1 9	22 44	0 48	0 14	0 44	21 49	0 30	15 34	17 19	21 44	21 51	8 18	0 12	3 46
S 10	18 48	16 55	1 27	24 36	2 0	21 30	0 18	13 40	0 19	7 37	1 9	22 44	0 48	0 14	0 44	21 49	0 30	15 34	17 18	21 44	21 51	8 16	0 11	3 45
M11	19 3	20 52	0 18	24 30	1 51	21 46	0 20	13 54	0 18	7 34	1 9	22 44	0 48	0 15	0 44	21 49	0 30	15 34	17 18	21 44	21 50	8 13	0 11	3 45
T 12	19 18	23 51	0n53	24 22	1 40	22 1	0 22	14 8	0 18	7 31	1 9	22 44	0 48	0 15	0 43	21 50	0 30	15 34	17 18	21 44	21 50	8 10	0 10	3 45
W13	19 32	25 37	2 3	24 11	1 28	22 15	0 25	14 22	0 17	7 28	1 9	22 44	0 48	0 15	0 43	21 50	0 30	15 33	17 18	21 44	21 49	8 7	0 9	3 45
T 14	19 46	25 55	3 8	23 57	1 15	22 29	0 27	14 36	0 17	7 26	1 10	22 44	0 48	0 16	0 43	21 50	0 30	15 33	17 17	21 44	21 49	8 4	0 9	3 44
F 15	20 0	24 41	4 2	23 41	1 0	22 42	0 30	14 50	0 16	7 23	1 10	22 44	0 48	0 16	0 43	21 50	0 30	15 33	17 17	21 44	21 48	8 1	0 8	3 44
S 16	20 13	21 58	4 44	23 22	0 43	22 55	0 32	15 3	0 16	7 21	1 10	22 44	0 48	0 16	0 43	21 50	0 30	15 33	17 17	21 44	21 48	7 59	0 8	3 44
S 17	20 26	17 56	5 10	23 0	0 26	23 7	0 34	15 17	0 15	7 18	1 10	22 44	0 48	0 17	0 43	21 50	0 30	15 33	17 16	21 44	21 47	7 56	0 7	3 43
M18	20 38	12 53	5 17	22 36	0 7	23 18	0 37	15 30	0 14	7 16	1 11	22 45	0 48	0 17	0 43	21 50	0 30	15 33	17 16	21 44	21 47	7 53	0 7	3 43
T 19	20 50	7 6	5 5	22 9	0n13	23 29	0 39	15 44	0 14	7 14	1 11	22 45	0 48	0 17	0 43	21 50	0 30	15 33	17 16	21 44	21 46	7 50	0 7	3 43
W20	21 2	0 54	4 34	21 40	0 33	23 38	0 41	15 57	0 13	7 11	1 11	22 45	0 48	0 18	0 43	21 51	0 30	15 33	17 15	21 44	21 46	7 47	0 6	3 43
T 21	21 13	5s22	3 45	21 9	0 54	23 47	0 43	16 10	0 13	7 9	1 11	22 45	0 48	0 18	0 43	21 51	0 30	15 33	17 15	21 44	21 45	7 44	0 6	3 42
F 22	21 24	11 20	2 43	20 37	1 14	23 56	0 46	16 23	0 12	7 7	1 12	22 45	0 48	0 18	0 43	21 51	0 30	15 33	17 15	21 44	21 45	7 41	0 5	3 42
S 23	21 35	16 41	1 31	20 5	1 33	24 3	0 48	16 36	0 11	7 5	1 12	22 45	0 47	0 18	0 43	21 51	0 30	15 32	17 14	21 44	21 44	7 38	0 5	3 42
S 24	21 45	21 2	0 15	19 33	1 51	24 10	0 50	16 48	0 11	7 3	1 12	22 45	0 47	0 18	0 43	21 51	0 30	15 32	17 14	21 44	21 44	7 36	0 5	3 42
M25	21 54	24 7	1s 1	19 3	2 7	24 16	0 52	17 1	0 10	7 1	1 12	22 45	0 47	0 19	0 43	21 51	0 30	15 32	17 14	21 44	21 43	7 33	0 4	3 41
T 26	22 4	25 44	2 12	18 35	2 20	24 22	0 54	17 13	0 10	6 59	1 13	22 46	0 47	0 19	0 43	21 52	0 30	15 32	17 13	21 44	21 43	7 30	0 4	3 41
W27	22 12	25 52	3 14	18 11	2 32	24 26	0 56	17 26	0 9	6 57	1 13	22 46	0 47	0 19	0 43	21 52	0 30	15 32	17 13	21 44	21 42	7 27	0 4	3 41
T 28	22 21	24 36	4 5	17 50	2 41	24 30	0 58	17 38	0 8	6 55	1 13	22 46	0 47	0 19	0 43	21 52	0 30	15 31	17 12	21 44	21 41	7 24	0 4	3 41
F 29	22 29	22 8	4 42	17 33	2 48	24 33	1 0	17 50	0 8	6 54	1 14	22 46	0 47	0 19	0 43	21 52	0 30	15 31	17 12	21 44	21 41	7 21	0 4	3 40
S 30	22s36	18s44	5s 6	17s21	2n53	24s36	1s 2	18s 2	0n 7	6n52	1n14	22n46	0s47	0s19	0s43	21n52	0s30	15s31	17s12	21n44	21n40	7s18	0n 3	3n40

Julian Day Number = 2119484.5, Delta T = 18m12s
Ecliptic obliquity = 23°33'29, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°03'58, Lahiri = 11°10'58 Julian Calendar 1 Nov. 1090 == Greg. Calendar 7 Nov. 1090

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1090
geocentric

DECEMBER 1090 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 2 2	15♐ 6'03	5♓ 1	29°R 9	1♑11	21♏54	15♍36	1°R19	0°R50	17°R50	0°R31	7°R50	7♊28	23♓12	21♓41	S 1
M 2	5 5 59	16° 7'13	16°55	28♏53	2°26	22°36	15°41	1♋14	0♈50	17♋49	0♈31	7°D50	7°25	23°19	21°42	M 2
T 3	5 9 55	17° 8'22	28°47	28°D47	3°41	23°19	15°45	1° 9	0°50	17°48	0°31	7♊50	7°22	23°25	21°42	T 3
W 4	5 13 52	18° 9'32	10♈42	28°51	4°56	24° 1	15°50	1° 4	0°D50	17°46	0°31	7°51	7°19	23°32	21°42	W 4
T 5	5 17 48	19°10'42	22°43	29° 4	6°11	24°44	15°54	1° 0	0°50	17°45	0°31	7°52	7°16	23°39	21°43	T 5
F 6	5 21 45	20°11'52	4♉56	29°25	7°26	25°27	15°57	0°55	0°50	17°43	0°31	7°53	7°13	23°46	21°43	F 6
S 7	5 25 41	21°13'02	17°23	29°54	8°41	26°10	16° 1	0°50	0°50	17°42	0°31	7°54	7° 9	23°52	21°44	S 7
S 8	5 29 38	22°14'12	0♊ 7	0♐30	9°57	26°52	16° 5	0°45	0°50	17°40	0°31	7°55	7° 6	23°59	21°45	S 8
M 9	5 33 34	23°15'23	13° 9	1°11	11°12	27°35	16° 8	0°40	0°51	17°39	0°D31	7°R55	7° 3	24° 6	21°45	M 9
T 10	5 37 31	24°16'33	26°30	1°58	12°27	28°18	16°11	0°35	0°51	17°37	0°31	7°55	7° 0	24°13	21°46	T 10
W11	5 41 28	25°17'44	10♋ 7	2°49	13°42	29° 1	16°14	0°30	0°51	17°36	0°31	7°53	6°57	24°19	21°47	W11
T 12	5 45 24	26°18'55	23°59	3°45	14°57	29°44	16°17	0°26	0°52	17°34	0°31	7°51	6°54	24°26	21°48	T 12
F 13	5 49 21	27°20'06	8♌ 2	4°44	16°12	0♐27	16°19	0°21	0°52	17°33	0°31	7°48	6°50	24°33	21°48	F 13
S 14	5 53 17	28°21'17	22°13	5°46	17°27	1°10	16°22	0°16	0°52	17°31	0°31	7°45	6°47	24°39	21°49	S 14
S 15	5 57 14	29°22'28	6♍26	6°52	18°42	1°53	16°24	0°11	0°53	17°30	0°31	7°43	6°44	24°46	21°50	S 15
M16	6 1 10	0♎23'39	20°40	8° 0	19°57	2°36	16°26	0° 6	0°54	17°28	0°31	7°41	6°41	24°53	21°51	M16
T 17	6 5 7	1°24'51	4♏51	9°11	21°12	3°20	16°28	0° 1	0°54	17°26	0°31	7°D41	6°38	25° 0	21°53	T 17
W18	6 9 4	2°26'03	18°57	10°23	22°27	4° 3	16°30	29♊56	0°55	17°25	0°32	7°42	6°34	25° 6	21°54	W18
T 19	6 13 0	3°27'15	2♐57	11°38	23°42	4°46	16°31	29°51	0°56	17°23	0°32	7°43	6°31	25°13	21°55	T 19
F 20	6 16 57	4°28'27	16°49	12°54	24°57	5°29	16°32	29°46	0°56	17°22	0°32	7°45	6°28	25°20	21°56	F 20
S 21	6 20 53	5°29'39	0♐33	14°11	26°12	6°13	16°34	29°41	0°57	17°20	0°32	7°46	6°25	25°26	21°57	S 21
S 22	6 24 50	6°30'51	14° 6	15°30	27°27	6°56	16°34	29°36	0°58	17°18	0°33	7°R46	6°22	25°33	21°59	S 22
M23	6 28 46	7°32'03	27°28	16°51	28°42	7°39	16°35	29°31	0°59	17°17	0°33	7°44	6°19	25°40	22° 0	M23
T 24	6 32 43	8°33'14	10♑37	18°12	29°57	8°23	16°36	29°26	1° 0	17°15	0°33	7°41	6°15	25°47	22° 2	T 24
W25	6 36 39	9°34'25	23°31	19°34	1♒12	9° 6	16°36	29°21	1° 1	17°13	0°34	7°37	6°12	25°53	22° 3	W25
T 26	6 40 36	10°35'35	6♒10	20°58	2°26	9°50	16°R36	29°17	1° 2	17°12	0°34	7°31	6° 9	26° 0	22° 5	T 26
F 27	6 44 33	11°36'45	18°35	22°22	3°41	10°33	16°36	29°12	1° 3	17°10	0°34	7°25	6° 6	26° 7	22° 7	F 27
S 28	6 48 29	12°37'54	0♓47	23°47	4°56	11°17	16°36	29° 7	1° 5	17° 8	0°35	7°18	6° 3	26°13	22° 8	S 28
S 29	6 52 26	13°39'02	12°49	25°13	6°11	12° 1	16°35	29° 2	1° 6	17° 7	0°35	7°13	6° 0	26°20	22°10	S 29
M30	6 56 22	14°40'10	24°43	26°40	7°26	12°44	16°35	28°58	1° 7	17° 5	0°36	7° 9	5°56	26°27	22°12	M30
T 31	7 0 19	15♑41'16	6♈34	28♐ 7	8♒40	13♐28	16♍34	28♊53	1♈ 9	17♋ 3	0♈36	7♊ 7	5♊53	26♓34	22♓14	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s43	14s37	5s16	17s12	2n56	24s37	1s 4	18s14	0n 6	6n50	1n14	22n46	0s47	0s19	0s43	21n52	0s30	15s31	17s11	21n43	21n40	7s15	0n 3	3n40
M 2	22 50	9 59	5 13	17 8	2 57	24 38	1 6	18 25	0 6	6 49	1 14	22 46	0 47	0 19	0 43	21 53	0 30	15 30	17 11	21 43	21 39	7 12	0 3	3 40
T 3	22 56	5 0	4 56	17 7	2 56	24 38	1 8	18 37	0 5	6 47	1 15	22 46	0 47	0 19	0 43	21 53	0 30	15 30	17 11	21 44	21 39	7 10	0 3	3 39
W 4	23 2	0n10	4 26	17 10	2 54	24 38	1 10	18 48	0 5	6 46	1 15	22 47	0 47	0 19	0 43	21 53	0 30	15 30	17 10	21 44	21 38	7 7	0 3	3 39
T 5	23 7	5 24	3 45	17 16	2 51	24 36	1 11	18 59	0 4	6 45	1 15	22 47	0 47	0 19	0 43	21 53	0 30	15 30	17 10	21 44	21 38	7 4	0 3	3 39
F 6	23 12	10 31	2 53	17 25	2 46	24 34	1 13	19 10	0 3	6 43	1 15	22 47	0 46	0 19	0 43	21 53	0 30	15 29	17 10	21 44	21 37	7 1	0 3	3 38
S 7	23 16	15 19	1 51	17 36	2 41	24 31	1 15	19 21	0 3	6 42	1 16	22 47	0 46	0 19	0 43	21 54	0 30	15 29	17 9	21 44	21 37	6 58	0 3	3 38
S 8	23 20	19 34	0 43	17 49	2 35	24 27	1 16	19 31	0 2	6 41	1 16	22 47	0 46	0 19	0 42	21 54	0 30	15 29	17 9	21 44	21 36	6 55	0 3	3 38
M 9	23 23	22 58	0n29	18 4	2 29	24 23	1 18	19 42	0 1	6 40	1 16	22 47	0 46	0 19	0 42	21 54	0 30	15 28	17 9	21 44	21 36	6 52	0 3	3 38
T 10	23 26	25 11	1 41	18 21	2 22	24 17	1 19	19 52	0 1	6 39	1 17	22 47	0 46	0 19	0 42	21 54	0 30	15 28	17 8	21 44	21 35	6 49	0 3	3 37
W11	23 28	25 58	2 48	18 38	2 14	24 11	1 21	20 2	0 0	6 38	1 17	22 47	0 46	0 18	0 42	21 54	0 30	15 28	17 8	21 44	21 35	6 46	0 3	3 37
T 12	23 30	25 9	3 47	18 56	2 6	24 5	1 22	20 12	0s 1	6 37	1 17	22 48	0 46	0 18	0 42	21 55	0 30	15 27	17 7	21 44	21 34	6 43	0 3	3 37
F 13	23 32	22 45	4 33	19 15	1 58	23 57	1 24	20 22	0 1	6 37	1 17	22 48	0 46	0 18	0 42	21 55	0 30	15 27	17 7	21 43	21 34	6 40	0 3	3 37
S 14	23 33	18 57	5 3	19 34	1 50	23 49	1 25	20 32	0 2	6 36	1 18	22 48	0 46	0 18	0 42	21 55	0 30	15 27	17 7	21 43	21 33	6 37	0 3	3 36
S 15	23 33	14 3	5 14	19 54	1 42	23 40	1 26	20 41	0 3	6 35	1 18	22 48	0 46	0 18	0 42	21 55	0 30	15 26	17 6	21 42	21 32	6 35	0 3	3 36
M16	23 33	8 24	5 7	20 13	1 33	23 30	1 27	20 50	0 3	6 35	1 18	22 48	0 45	0 17	0 42	21 55	0 29	15 26	17 6	21 42	21 32	6 32	0 3	3 36
T 17	23 33	2 21	4 40	20 32	1 25	23 20	1 28	20 59	0 4	6 34	1 19	22 48	0 45	0 17	0 42	21 56	0 29	15 25	17 6	21 42	21 31	6 29	0 4	3 36
W18	23 32	3s48	3 57	20 52	1 16	23 9	1 29	21 8	0 5	6 34	1 19	22 48	0 45	0 17	0 42	21 56	0 29	15 25	17 5	21 42	21 31	6 26	0 4	3 35
T 19	23 31	9 45	3 0	21 10	1 8	22 57	1 30	21 17	0 5	6 34	1 19	22 48	0 45	0 16	0 42	21 56	0 29	15 24	17 5	21 42	21 30	6 23	0 4	3 35
F 20	23 29	15 9	1 52	21 29	0 59	22 45	1 31	21 25	0 6	6 33	1 19	22 48	0 45	0 16	0 42	21 56	0 29	15 24	17 4	21 43	21 30	6 20	0 4	3 35
S 21	23 27	19 43	0 40	21 47	0 51	22 31	1 32	21 34	0 7	6 33	1 20	22 49	0 45	0 16	0 42	21 56	0 29	15 24	17 4	21 43	21 29	6 17	0 5	3 35
S 22	23 24	23 11	0s35	22 4	0 42	22 18	1 33	21 42	0 7	6 33	1 20	22 49	0 45	0 15	0 42	21 57	0 29	15 23	17 4	21 43	21 29	6 14	0 5	3 34
M23	23 21	25 18	1 46	22 20	0 34	22 3	1 34	21 50	0 8	6 33	1 20	22 49	0 45	0 15	0 42	21 57	0 29	15 23	17 3	21 43	21 28	6 11	0 5	3 34
T 24	23 17	25 57	2 50	22 36	0 26	21 48	1 34	21 57	0 9	6 33	1 21	22 49	0 45	0 14	0 42	21 57	0 29	15 22	17 3	21 42	21 28	6 8	0 6	3 34
W25	23 13	25 11	3 44	22 51	0 18	21 32	1 35	22 5	0 9	6 33	1 21	22 49	0 44	0 14	0 42	21 57	0 29	15 22	17 3	21 41	21 27	6 5	0 6	3 34
T 26	23 8	23 7	4 26	23 5	0 10	21 16	1 35	22 12	0 10	6 34	1 21	22 49	0 44	0 13	0 42	21 58	0 29	15 21	17 2	21 40	21 26	6 2	0 7	3 33
F 27	23 3	19 59	4 54	23 18	0 2	20 59	1 36	22 19	0 11	6 34	1 22	22 49	0 44	0 13	0 42	21 58	0 29	15 21	17 2	21 39	21 26	5 59	0 7	3 33
S 28	22 57	16 3	5 9	23 30	0s 6	20 41	1 36	22 26	0 12	6 34	1 22	22 49	0 44	0 12	0 42	21 58	0 29	15 20	17 2	21 38	21 25	5 56	0 7	3 33
S 29	22 51	11 32	5 9	23 42	0 13	20 23	1 37	22 33	0 12	6 35	1 22	22 49	0 44	0 12	0 42	21 58	0 29	15 20	17 1	21 37	21 25	5 53	0 8	3 33
M30	22 45	6 38	4 56	23 52	0 21	20 4	1 37	22 39	0 13	6 35	1 22	22 49	0 44	0 11	0 42	21 58	0 29	15 19	17 1	21 37	21 24	5 50	0 8	3 32
T 31	22s38	1s31	4s31	24s 0	0s28	19s44	1s37	22s45	0s14	6n36	1n23	22n50	0s44	0s11	0s42	21n59	0s29	15s19	17s 1	21n36	21n24	5s47	0n 9	3n32

Julian Day Number = 2119514.5, Delta T = 18m12s
Ecliptic obliquity = 23°33'29, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°04'02, Lahiri = 11°11'02 Julian Calendar 1 Dec. 1090 == Greg. Calendar 7 Dec. 1090

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1091
geocentric

JANUARY 1091 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 4 15	16♑42'22	18♈27	29♐35	9♒55	14♐12	16°R33	28°R48	1♈10	17°R 1	0♈37	7°D 6	5♊50	26♓40	22♓16	W 1
T 2	7 8 12	17°43'26	0♉26	1♑ 4	11°10	14°56	16♍32	28♊44	1°11	17♋ 0	0°37	7♊ 7	5°47	26°47	22°17	T 2
F 3	7 12 8	18°44'30	12°37	2°34	12°25	15°39	16°30	28°39	1°13	16°58	0°38	7° 9	5°44	26°54	22°19	F 3
S 4	7 16 5	19°45'32	25° 4	4° 4	13°39	16°23	16°29	28°35	1°14	16°56	0°38	7°10	5°40	27° 0	22°21	S 4
S 5	7 20 2	20°46'34	7♊53	5°35	14°54	17° 7	16°27	28°30	1°16	16°55	0°39	7°R11	5°37	27° 7	22°24	S 5
M 6	7 23 58	21°47'34	21° 4	7° 6	16° 8	17°51	16°25	28°26	1°18	16°53	0°40	7°10	5°34	27°14	22°26	M 6
T 7	7 27 55	22°48'34	4♋40	8°38	17°23	18°35	16°23	28°22	1°19	16°51	0°40	7° 7	5°31	27°21	22°28	T 7
W 8	7 31 51	23°49'32	18°40	10°11	18°38	19°19	16°20	28°17	1°21	16°50	0°41	7° 2	5°28	27°27	22°30	W 8
T 9	7 35 48	24°50'29	2♌59	11°44	19°52	20° 3	16°18	28°13	1°23	16°48	0°42	6°55	5°25	27°34	22°32	T 9
F 10	7 39 44	25°51'26	17°33	13°18	21° 7	20°47	16°15	28° 9	1°25	16°46	0°42	6°47	5°21	27°41	22°35	F 10
S 11	7 43 41	26°52'21	2♍13	14°53	22°21	21°31	16°12	28° 5	1°27	16°45	0°43	6°39	5°18	27°47	22°37	S 11
S 12	7 47 38	27°53'16	16°52	16°29	23°35	22°15	16° 9	28° 1	1°28	16°43	0°44	6°31	5°15	27°54	22°39	S 12
M13	7 51 34	28°54'09	1♎25	18° 5	24°50	22°59	16° 6	27°57	1°30	16°41	0°45	6°26	5°12	28° 1	22°42	M13
T 14	7 55 31	29°55'02	15°45	19°41	26° 4	23°44	16° 2	27°53	1°32	16°40	0°45	6°23	5° 9	28° 8	22°44	T 14
W15	7 59 27	0♒55'54	29°51	21°19	27°18	24°28	15°59	27°50	1°34	16°38	0°46	6°D22	5° 6	28°14	22°47	W15
T 16	8 3 24	1°56'45	13♏41	22°57	28°33	25°12	15°55	27°46	1°36	16°36	0°47	6°23	5° 2	28°21	22°49	T 16
F 17	8 7 20	2°57'35	27°16	24°36	29°47	25°56	15°51	27°42	1°39	16°35	0°48	6°23	4°59	28°28	22°52	F 17
S 18	8 11 17	3°58'24	10♐38	26°16	1♓ 1	26°41	15°47	27°39	1°41	16°33	0°49	6°R24	4°56	28°34	22°55	S 18
S 19	8 15 13	4°59'12	23°47	27°57	2°15	27°25	15°43	27°36	1°43	16°32	0°50	6°22	4°53	28°41	22°57	S 19
M20	8 19 10	6° 0'00	6♑45	29°38	3°29	28° 9	15°38	27°32	1°45	16°30	0°51	6°18	4°50	28°48	23° 0	M20
T 21	8 23 7	7° 0'45	19°32	1♒20	4°44	28°54	15°34	27°29	1°47	16°28	0°51	6°11	4°46	28°55	23° 3	T 21
W22	8 27 3	8° 1'30	2♒ 8	3° 3	5°58	29°38	15°29	27°26	1°50	16°27	0°52	6° 2	4°43	29° 1	23° 5	W22
T 23	8 31 0	9° 2'13	14°34	4°47	7°12	0♑23	15°24	27°23	1°52	16°25	0°53	5°50	4°40	29° 8	23° 8	T 23
F 24	8 34 56	10° 2'55	26°50	6°32	8°26	1° 7	15°19	27°20	1°54	16°24	0°54	5°38	4°37	29°15	23°11	F 24
S 25	8 38 53	11° 3'35	8♓57	8°17	9°40	1°52	15°13	27°17	1°57	16°22	0°55	5°25	4°34	29°21	23°14	S 25
S 26	8 42 49	12° 4'13	20°55	10° 4	10°54	2°37	15° 8	27°14	1°59	16°21	0°56	5°14	4°31	29°28	23°17	S 26
M27	8 46 46	13° 4'50	2♈47	11°51	12° 7	3°21	15° 2	27°11	2° 2	16°19	0°57	5° 4	4°27	29°35	23°20	M27
T 28	8 50 42	14° 5'25	14°37	13°39	13°21	4° 6	14°57	27° 9	2° 4	16°18	0°58	4°57	4°24	29°42	23°23	T 28
W29	8 54 39	15° 5'58	26°27	15°28	14°35	4°50	14°51	27° 6	2° 7	16°16	0°59	4°53	4°21	29°48	23°26	W29
T 30	8 58 36	16° 6'29	8♉24	17°18	15°49	5°35	14°45	27° 4	2° 9	16°15	1° 0	4°52	4°18	29°55	23°29	T 30
F 31	9 2 32	17♒ 6'59	20♉31	19♒ 8	17♓ 2	6♑20	14♍39	27♊ 2	2♈12	16♋14	1♈ 2	4°D51	4♊15	0♈ 2	23♓32	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s30	3n40	3s54	24s 8	0s35	19s24	1s37	22s51	0s14	6n36	1n23	22n50	0s44	0s10	0s42	21n59	0s29	15s18	17s 0	21n36	21n23	5s44	0n 9	3n32
T 2	22 23	8 47	3 6	24 15	0 42	19 4	1 37	22 57	0 15	6 37	1 23	22 50	0 43	0 9	0 41	21 59	0 29	15 18	17 0	21 36	21 23	5 41	0 10	3 32
F 3	22 14	13 39	2 9	24 20	0 48	18 43	1 37	23 3	0 16	6 38	1 24	22 50	0 43	0 9	0 41	21 59	0 29	15 17	16 59	21 37	21 22	5 38	0 10	3 31
S 4	22 6	18 4	1 5	24 24	0 54	18 21	1 37	23 8	0 16	6 39	1 24	22 50	0 43	0 8	0 41	22 0	0 29	15 17	16 59	21 37	21 21	5 35	0 11	3 31
S 5	21 57	21 48	0n 4	24 27	1 1	17 59	1 37	23 13	0 17	6 40	1 24	22 50	0 43	0 8	0 41	22 0	0 29	15 16	16 59	21 37	21 21	5 32	0 12	3 31
M 6	21 47	24 30	1 14	24 28	1 7	17 37	1 36	23 18	0 18	6 41	1 24	22 50	0 43	0 7	0 41	22 0	0 29	15 16	16 58	21 37	21 20	5 29	0 12	3 31
T 7	21 37	25 51	2 23	24 29	1 12	17 13	1 36	23 22	0 19	6 42	1 25	22 50	0 43	0 6	0 41	22 0	0 29	15 15	16 58	21 36	21 20	5 26	0 13	3 31
W 8	21 27	25 38	3 25	24 27	1 18	16 50	1 36	23 27	0 19	6 43	1 25	22 50	0 43	0 5	0 41	22 1	0 29	15 14	16 58	21 35	21 19	5 23	0 14	3 30
T 9	21 16	23 43	4 15	24 25	1 23	16 26	1 35	23 31	0 20	6 44	1 25	22 50	0 42	0 5	0 41	22 1	0 29	15 14	16 57	21 34	21 19	5 20	0 14	3 30
F 10	21 5	20 14	4 50	24 21	1 28	16 2	1 35	23 35	0 21	6 46	1 26	22 50	0 42	0 4	0 41	22 1	0 29	15 13	16 57	21 33	21 18	5 17	0 15	3 30
S 11	20 53	15 29	5 6	24 15	1 32	15 37	1 34	23 39	0 22	6 47	1 26	22 51	0 42	0 3	0 41	22 1	0 29	15 13	16 57	21 32	21 18	5 15	0 16	3 30
S 12	20 41	9 50	5 2	24 8	1 37	15 11	1 33	23 42	0 22	6 49	1 26	22 51	0 42	0 2	0 41	22 1	0 29	15 12	16 56	21 30	21 17	5 12	0 17	3 29
M13	20 29	3 41	4 38	24 0	1 41	14 46	1 32	23 45	0 23	6 50	1 26	22 51	0 42	0 2	0 41	22 2	0 29	15 12	16 56	21 29	21 16	5 9	0 17	3 29
T 14	20 16	2s35	3 57	23 50	1 45	14 20	1 32	23 48	0 24	6 52	1 27	22 51	0 42	0 1	0 41	22 2	0 29	15 11	16 56	21 29	21 16	5 6	0 18	3 29
W15	20 3	8 37	3 3	23 38	1 48	13 53	1 31	23 51	0 25	6 53	1 27	22 51	0 42	0n 0	0 41	22 2	0 29	15 10	16 55	21 29	21 15	5 3	0 19	3 29
T 16	19 49	14 8	1 59	23 25	1 51	13 26	1 30	23 53	0 25	6 55	1 27	22 51	0 41	0 1	0 41	22 2	0 29	15 10	16 55	21 29	21 15	5 0	0 20	3 29
F 17	19 36	18 51	0 49	23 11	1 54	12 59	1 29	23 56	0 26	6 57	1 27	22 51	0 41	0 2	0 41	22 3	0 29	15 9	16 55	21 29	21 14	4 57	0 21	3 28
S 18	19 21	22 32	0s23	22 55	1 57	12 32	1 27	23 58	0 27	6 59	1 28	22 51	0 41	0 3	0 41	22 3	0 29	15 8	16 55	21 29	21 14	4 54	0 21	3 28
S 19	19 7	24 56	1 32	22 37	1 59	12 4	1 26	23 59	0 28	7 1	1 28	22 51	0 41	0 4	0 41	22 3	0 29	15 8	16 54	21 29	21 13	4 50	0 22	3 28
M20	18 52	25 58	2 35	22 18	2 1	11 36	1 25	24 1	0 28	7 3	1 28	22 51	0 41	0 5	0 41	22 3	0 29	15 7	16 54	21 28	21 12	4 47	0 23	3 28
T 21	18 37	25 34	3 29	21 57	2 2	11 7	1 24	24 2	0 29	7 5	1 28	22 51	0 41	0 5	0 41	22 3	0 29	15 7	16 54	21 27	21 12	4 44	0 24	3 28
W22	18 21	23 52	4 12	21 34	2 3	10 38	1 22	24 3	0 30	7 7	1 29	22 52	0 40	0 6	0 41	22 4	0 29	15 6	16 53	21 25	21 11	4 41	0 25	3 27
T 23	18 5	21 2	4 42	21 10	2 4	10 9	1 21	24 4	0 31	7 9	1 29	22 52	0 40	0 7	0 41	22 4	0 29	15 5	16 53	21 23	21 11	4 38	0 26	3 27
F 24	17 49	17 18	4 59	20 44	2 4	9 40	1 19	24 4	0 31	7 11	1 29	22 52	0 40	0 8	0 41	22 4	0 29	15 5	16 53	21 21	21 10	4 35	0 27	3 27
S 25	17 32	12 54	5 2	20 16	2 4	9 11	1 17	24 5	0 32	7 13	1 29	22 52	0 40	0 9	0 41	22 4	0 29	15 4	16 53	21 19	21 9	4 32	0 28	3 27
S 26	17 16	8 4	4 51	19 47	2 3	8 41	1 16	24 5	0 33	7 16	1 30	22 52	0 40	0 10	0 41	22 4	0 29	15 3	16 52	21 17	21 9	4 29	0 29	3 27
M27	16 58	2 59	4 28	19 16	2 2	8 11	1 14	24 4	0 34	7 18	1 30	22 52	0 40	0 11	0 41	22 5	0 29	15 3	16 52	21 15	21 8	4 26	0 30	3 26
T 28	16 41	2n12	3 54	18 44	2 0	7 41	1 12	24 4	0 34	7 20	1 30	22 52	0 40	0 12	0 41	22 5	0 29	15 2	16 52	21 14	21 8	4 23	0 31	3 26
W29	16 23	7 19	3 9	18 9	1 58	7 11	1 10	24 3	0 35	7 23	1 30	22 52	0 39	0 13	0 41	22 5	0 29	15 1	16 51	21 13	21 7	4 20	0 32	3 26
T 30	16 5	12 14	2 16	17 34	1 55	6 40	1 8	24 2	0 36	7 25	1 30	22 52	0 39	0 15	0 41	22 5	0 29	15 1	16 51	21 13	21 7	4 17	0 33	3 26
F 31	15s47	16n45	1s15	16s56	1s52	6s 9	1s 6	24s 1	0s37	7n28	1n31	22n52	0s39	0n16	0s41	22n 5	0s29	15s 0	16s51	21n13	21n 6	4s14	0n34	3n26

Julian Day Number = 2119545.5, Delta T = 18m12s
Ecliptic obliquity = 23°33'29, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°04'06, Lahiri = 11°11'07 Julian Calendar 1 Jan. 1091 == Greg. Calendar 7 Jan. 1091

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1091
geocentric

FEBRUARY 1091 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 6 29	18♒ 7'26	2♊54	20♒59	18♓16	7♏ 5	14°R33	26°R59	2♈15	16°R12	1♈ 3	4°R52	4♊12	0♈ 8	23♓35	S 1
S 2	9 10 25	19° 7'52	15°39	22°51	19°29	7°49	14♍26	26♊57	2°17	16♋11	1° 4	4♊51	4° 8	0°15	23°38	S 2
M 3	9 14 22	20° 8'16	28°50	24°43	20°43	8°34	14°20	26°55	2°20	16° 9	1° 5	4°49	4° 5	0°22	23°41	M 3
T 4	9 18 18	21° 8'37	12♋29	26°36	21°56	9°19	14°13	26°53	2°23	16° 8	1° 6	4°44	4° 2	0°28	23°45	T 4
W 5	9 22 15	22° 8'57	26°38	28°30	23°10	10° 4	14° 6	26°52	2°26	16° 7	1° 7	4°37	3°59	0°35	23°48	W 5
T 6	9 26 11	23° 9'15	11♌12	0♓24	24°23	10°49	14° 0	26°50	2°29	16° 5	1° 8	4°27	3°56	0°42	23°51	T 6
F 7	9 30 8	24° 9'31	26° 6	2°17	25°36	11°34	13°53	26°48	2°31	16° 4	1°10	4°16	3°52	0°49	23°54	F 7
S 8	9 34 5	25° 9'46	11♍11	4°11	26°49	12°19	13°46	26°47	2°34	16° 3	1°11	4° 4	3°49	0°55	23°58	S 8
S 9	9 38 1	26° 9'58	26°16	6° 4	28° 2	13° 4	13°39	26°46	2°37	16° 2	1°12	3°54	3°46	1° 2	24° 1	S 9
M10	9 41 58	27°10'09	11♎13	7°57	29°16	13°49	13°32	26°44	2°40	16° 1	1°13	3°46	3°43	1° 9	24° 4	M10
T 11	9 45 54	28°10'18	25°52	9°49	0♈29	14°34	13°24	26°43	2°43	15°59	1°14	3°40	3°40	1°15	24° 8	T 11
W12	9 49 51	29°10'26	10♏10	11°40	1°41	15°19	13°17	26°42	2°46	15°58	1°16	3°38	3°37	1°22	24°11	W12
T 13	9 53 47	0♓10'32	24° 5	13°29	2°54	16° 4	13°10	26°41	2°49	15°57	1°17	3°37	3°33	1°29	24°14	T 13
F 14	9 57 44	1°10'36	7♐38	15°16	4° 7	16°49	13° 2	26°40	2°52	15°56	1°18	3°37	3°30	1°36	24°18	F 14
S 15	10 1 40	2°10'39	20°51	17° 1	5°20	17°34	12°55	26°40	2°55	15°55	1°19	3°36	3°27	1°42	24°21	S 15
S 16	10 5 37	3°10'41	3♑46	18°42	6°33	18°19	12°47	26°39	2°58	15°54	1°21	3°34	3°24	1°49	24°25	S 16
M17	10 9 34	4°10'40	16°28	20°21	7°45	19° 4	12°39	26°39	3° 1	15°53	1°22	3°29	3°21	1°56	24°28	M17
T 18	10 13 30	5°10'38	28°58	21°55	8°58	19°49	12°32	26°38	3° 4	15°52	1°23	3°21	3°18	2° 2	24°32	T 18
W19	10 17 27	6°10'34	11♒18	23°24	10°10	20°35	12°24	26°38	3° 7	15°51	1°25	3°10	3°14	2° 9	24°35	W19
T 20	10 21 23	7°10'28	23°30	24°49	11°23	21°20	12°16	26°38	3°11	15°50	1°26	2°56	3°11	2°16	24°39	T 20
F 21	10 25 20	8°10'21	5♓35	26° 8	12°35	22° 5	12° 9	26°D38	3°14	15°49	1°27	2°42	3° 8	2°23	24°42	F 21
S 22	10 29 16	9°10'11	17°34	27°21	13°47	22°50	12° 1	26°38	3°17	15°48	1°29	2°27	3° 5	2°29	24°46	S 22
S 23	10 33 13	10° 9'59	29°27	28°27	14°59	23°36	11°53	26°38	3°20	15°47	1°30	2°14	3° 2	2°36	24°49	S 23
M24	10 37 9	11° 9'45	11♈18	29°26	16°11	24°21	11°45	26°39	3°23	15°46	1°31	2° 3	2°58	2°43	24°53	M24
T 25	10 41 6	12° 9'28	23° 7	0♈18	17°23	25° 6	11°37	26°39	3°27	15°46	1°33	1°54	2°55	2°49	24°56	T 25
W26	10 45 2	13° 9'10	4♉58	1° 3	18°35	25°52	11°30	26°40	3°30	15°45	1°34	1°49	2°52	2°56	25° 0	W26
T 27	10 48 59	14° 8'49	16°54	1°39	19°47	26°37	11°22	26°40	3°33	15°44	1°36	1°46	2°49	3° 3	25° 4	T 27
F 28	10 52 56	15♓ 8'27	28♉59	2♈ 8	20♈59	27♏22	11♍14	26♊41	3♈37	15♋43	1♈37	1°D45	2♊46	3♈ 9	25♓ 7	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s28	20n40	0s10	16s17	1s48	5s38	1s 4	23s59	0s37	7n31	1n31	22n53	0s39	0n17	0s41	22n 6	0s29	14s59	16s51	21n13	21n 5	4s11	0n35	3n26
S 2	15 10	23 43	0n57	15 36	1 44	5 8	1 2	23 58	0 38	7 33	1 31	22 53	0 39	0 18	0 40	22 6	0 29	14 59	16 50	21 13	21 5	4 8	0 36	3 25
M 3	14 51	25 37	2 3	14 54	1 39	4 36	0 59	23 56	0 39	7 36	1 31	22 53	0 39	0 19	0 40	22 6	0 29	14 58	16 50	21 12	21 4	4 5	0 37	3 25
T 4	14 31	26 2	3 5	14 10	1 34	4 5	0 57	23 53	0 40	7 39	1 31	22 53	0 38	0 20	0 40	22 6	0 29	14 57	16 50	21 11	21 4	4 2	0 38	3 25
W 5	14 12	24 49	3 58	13 25	1 28	3 34	0 55	23 51	0 40	7 41	1 32	22 53	0 38	0 21	0 40	22 6	0 29	14 57	16 50	21 10	21 3	3 59	0 40	3 25
T 6	13 52	21 55	4 36	12 39	1 21	3 2	0 52	23 48	0 41	7 44	1 32	22 53	0 38	0 22	0 40	22 6	0 29	14 56	16 50	21 8	21 2	3 56	0 41	3 25
F 7	13 32	17 32	4 57	11 51	1 13	2 31	0 50	23 45	0 42	7 47	1 32	22 53	0 38	0 23	0 40	22 7	0 29	14 55	16 49	21 6	21 2	3 53	0 42	3 25
S 8	13 12	12 0	4 58	11 2	1 5	1 59	0 47	23 42	0 43	7 50	1 32	22 53	0 38	0 25	0 40	22 7	0 29	14 55	16 49	21 4	21 1	3 50	0 43	3 25
S 9	12 51	5 44	4 38	10 12	0 57	1 28	0 45	23 38	0 44	7 53	1 32	22 54	0 38	0 26	0 40	22 7	0 29	14 54	16 49	21 2	21 1	3 47	0 44	3 24
M10	12 31	0s47	3 59	9 21	0 47	0 56	0 42	23 34	0 44	7 56	1 32	22 54	0 37	0 27	0 40	22 7	0 29	14 53	16 49	21 1	21 0	3 44	0 45	3 24
T 11	12 10	7 10	3 5	8 30	0 37	0 25	0 39	23 30	0 45	7 59	1 32	22 54	0 37	0 28	0 40	22 7	0 29	14 53	16 49	20 59	20 59	3 41	0 47	3 24
W12	11 49	13 2	2 0	7 38	0 27	0n 7	0 36	23 26	0 46	8 2	1 33	22 54	0 37	0 29	0 40	22 7	0 29	14 52	16 48	20 59	20 59	3 38	0 48	3 24
T 13	11 28	18 5	0 50	6 46	0 16	0 39	0 34	23 22	0 47	8 4	1 33	22 54	0 37	0 31	0 40	22 8	0 29	14 51	16 48	20 59	20 58	3 35	0 49	3 24
F 14	11 7	22 2	0s21	5 53	0 4	1 10	0 31	23 17	0 47	8 7	1 33	22 54	0 37	0 32	0 40	22 8	0 29	14 51	16 48	20 59	20 58	3 32	0 50	3 24
S 15	10 45	24 44	1 30	5 1	0n 8	1 42	0 28	23 12	0 48	8 10	1 33	22 54	0 37	0 33	0 40	22 8	0 29	14 50	16 48	20 59	20 57	3 29	0 52	3 24
S 16	10 23	26 2	2 32	4 10	0 21	2 14	0 25	23 6	0 49	8 13	1 33	22 55	0 36	0 34	0 40	22 8	0 29	14 49	16 48	20 58	20 56	3 25	0 53	3 23
M17	10 2	25 56	3 25	3 19	0 34	2 45	0 22	23 1	0 50	8 17	1 33	22 55	0 36	0 36	0 40	22 8	0 28	14 49	16 47	20 57	20 56	3 22	0 54	3 23
T 18	9 40	24 31	4 8	2 30	0 47	3 17	0 19	22 55	0 51	8 20	1 33	22 55	0 36	0 37	0 40	22 8	0 28	14 48	16 47	20 56	20 55	3 19	0 55	3 23
W19	9 17	21 56	4 38	1 42	1 1	3 48	0 16	22 49	0 51	8 23	1 33	22 55	0 36	0 38	0 40	22 8	0 28	14 47	16 47	20 54	20 54	3 16	0 57	3 23
T 20	8 55	18 24	4 55	0 56	1 15	4 20	0 13	22 43	0 52	8 26	1 33	22 55	0 36	0 39	0 40	22 9	0 28	14 47	16 47	20 51	20 54	3 13	0 58	3 23
F 21	8 33	14 8	4 59	0 12	1 28	4 51	0 9	22 36	0 53	8 29	1 34	22 55	0 36	0 41	0 40	22 9	0 28	14 46	16 47	20 48	20 53	3 10	0 59	3 23
S 22	8 10	9 22	4 49	0n30	1 42	5 22	0 6	22 30	0 54	8 32	1 34	22 56	0 35	0 42	0 40	22 9	0 28	14 45	16 47	20 45	20 53	3 7	1 1	3 23
S 23	7 48	4 18	4 27	1 8	1 55	5 53	0 3	22 23	0 54	8 35	1 34	22 56	0 35	0 43	0 40	22 9	0 28	14 45	16 47	20 43	20 52	3 4	1 2	3 23
M24	7 25	0n55	3 53	1 44	2 8	6 24	0n 0	22 16	0 55	8 38	1 34	22 56	0 35	0 45	0 40	22 9	0 28	14 44	16 46	20 40	20 51	3 1	1 3	3 23
T 25	7 2	6 6	3 9	2 16	2 21	6 55	0 4	22 8	0 56	8 41	1 34	22 56	0 35	0 46	0 40	22 9	0 28	14 43	16 46	20 39	20 51	2 58	1 5	3 22
W26	6 39	11 6	2 17	2 45	2 33	7 26	0 7	22 0	0 57	8 44	1 34	22 56	0 35	0 47	0 40	22 9	0 28	14 43	16 46	20 38	20 50	2 55	1 6	3 22
T 27	6 16	15 43	1 18	3 10	2 44	7 56	0 10	21 53	0 57	8 47	1 34	22 56	0 35	0 49	0 40	22 9	0 28	14 42	16 46	20 37	20 50	2 52	1 7	3 22
F 28	5s53	19n48	0s15	3n31	2n54	8n26	0n14	21s44	0s58	8n50	1n34	22n57	0s34	0n50	0s40	22n10	0s28	14s42	16s46	20n37	20n49	2s49	1n 9	3n22

Julian Day Number = 2119576.5, Delta T = 18m12s
Ecliptic obliquity = 23°33'30, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°04'11, Lahiri = 11°11'11 Julian Calendar 1 Feb. 1091 == Greg. Calendar 7 Feb. 1091

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1091
geocentric

MARCH 1091 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 56 52	16♓ 8'01	11♊20	2♈28	22♈11	28♉ 8	11°R 6	26♊42	3♈40	15°R43	1♈38	1°R45	2♊43	3♈16	25♓11	S 1
S 2	11 0 49	17° 7'34	24° 0	2°41	23°22	28°53	10♍59	26°43	3°43	15♋42	1°40	1♊45	2°39	3°23	25°14	S 2
M 3	11 4 45	18° 7'04	7♋ 5	2°R45	24°34	29°39	10°51	26°44	3°47	15°42	1°41	1°43	2°36	3°30	25°18	M 3
T 4	11 8 42	19° 6'32	20°38	2°41	25°45	0♒24	10°43	26°45	3°50	15°41	1°43	1°40	2°33	3°36	25°22	T 4
W 5	11 12 38	20° 5'57	4♌42	2°30	26°56	1° 9	10°36	26°47	3°53	15°40	1°44	1°34	2°30	3°43	25°25	W 5
T 6	11 16 35	21° 5'21	19°15	2°11	28° 8	1°55	10°28	26°48	3°57	15°40	1°45	1°25	2°27	3°50	25°29	T 6
F 7	11 20 31	22° 4'41	4♍12	1°46	29°19	2°40	10°21	26°50	4° 0	15°39	1°47	1°16	2°23	3°56	25°33	F 7
S 8	11 24 28	23° 4'00	19°26	1°15	0♉30	3°26	10°13	26°51	4° 3	15°39	1°48	1° 5	2°20	4° 3	25°36	S 8
S 9	11 28 25	24° 3'16	4♎45	0°38	1°40	4°11	10° 6	26°53	4° 7	15°39	1°50	0°56	2°17	4°10	25°40	S 9
M10	11 32 21	25° 2'31	19°58	29♓57	2°51	4°57	9°58	26°55	4°10	15°38	1°51	0°48	2°14	4°16	25°44	M10
T 11	11 36 18	26° 1'43	4♏55	29°12	4° 2	5°42	9°51	26°57	4°14	15°38	1°53	0°44	2°11	4°23	25°47	T 11
W12	11 40 14	27° 0'54	19°30	28°25	5°12	6°28	9°44	26°59	4°17	15°37	1°54	0°41	2° 8	4°30	25°51	W12
T 13	11 44 11	28° 0'03	3♐37	27°36	6°23	7°13	9°37	27° 1	4°20	15°37	1°55	0°D41	2° 4	4°37	25°55	T 13
F 14	11 48 7	28°59'10	17°18	26°46	7°33	7°59	9°30	27° 3	4°24	15°37	1°57	0°41	2° 1	4°43	25°58	F 14
S 15	11 52 4	29°58'15	0♑34	25°57	8°44	8°44	9°23	27° 6	4°27	15°37	1°58	0°R42	1°58	4°50	26° 2	S 15
S 16	11 56 0	0♈57'19	13°28	25° 9	9°54	9°30	9°16	27° 8	4°31	15°36	2° 0	0°41	1°55	4°57	26° 5	S 16
M17	11 59 57	1°56'20	26° 4	24°23	11° 4	10°15	9° 9	27°11	4°34	15°36	2° 1	0°38	1°52	5° 3	26° 9	M17
T 18	12 3 54	2°55'20	8♒25	23°40	12°14	11° 1	9° 3	27°14	4°38	15°36	2° 3	0°33	1°49	5°10	26°13	T 18
W19	12 7 50	3°54'18	20°35	23° 0	13°23	11°47	8°56	27°16	4°41	15°36	2° 4	0°25	1°45	5°17	26°16	W19
T 20	12 11 47	4°53'14	2♓38	22°25	14°33	12°32	8°50	27°19	4°44	15°36	2° 6	0°16	1°42	5°23	26°20	T 20
F 21	12 15 43	5°52'09	14°34	21°54	15°43	13°18	8°43	27°22	4°48	15°D36	2° 7	0° 5	1°39	5°30	26°24	F 21
S 22	12 19 40	6°51'01	26°27	21°29	16°52	14° 3	8°37	27°25	4°51	15°36	2° 8	29♉55	1°36	5°37	26°27	S 22
S 23	12 23 36	7°49'51	8♈17	21° 8	18° 1	14°49	8°31	27°29	4°55	15°36	2°10	29°45	1°33	5°44	26°31	S 23
M24	12 27 33	8°48'39	20° 8	20°52	19°10	15°34	8°25	27°32	4°58	15°36	2°11	29°37	1°29	5°50	26°34	M24
T 25	12 31 29	9°47'25	1♉59	20°42	20°19	16°20	8°19	27°35	5° 2	15°36	2°13	29°31	1°26	5°57	26°38	T 25
W26	12 35 26	10°46'09	13°54	20°D37	21°28	17° 6	8°14	27°39	5° 5	15°36	2°14	29°27	1°23	6° 4	26°42	W26
T 27	12 39 22	11°44'51	25°54	20°38	22°37	17°51	8° 8	27°42	5° 8	15°37	2°16	29°D26	1°20	6°10	26°45	T 27
F 28	12 43 19	12°43'31	8♊ 5	20°43	23°46	18°37	8° 3	27°46	5°12	15°37	2°17	29°26	1°17	6°17	26°49	F 28
S 29	12 47 16	13°42'08	20°28	20°54	24°54	19°22	7°58	27°50	5°15	15°37	2°18	29°27	1°14	6°24	26°52	S 29
S 30	12 51 12	14°40'43	3♋ 8	21° 9	26° 2	20° 8	7°52	27°54	5°19	15°37	2°20	29°28	1°10	6°30	26°56	S 30
M31	12 55 9	15♈39'17	16♋10	21♓29	27♉11	20♒53	7♍48	27♊58	5♈22	15♋38	2♈21	29°R29	1♊ 7	6♈37	26♓59	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s30	23n 5	0n51	3n48	3n 4	8n57	0n17	21s36	0s59	8n53	1n34	22n57	0s34	0n51	0s40	22n10	0s28	14s41	16s46	20n37	20n48	2s46	1n10	3n22
S 2	5 7	25 20	1 55	4 0	3 12	9 26	0 21	21 28	1 0	8 56	1 34	22 57	0 34	0 53	0 40	22 10	0 28	14 40	16 46	20 37	20 48	2 42	1 11	3 22
M 3	4 43	26 18	2 56	4 8	3 19	9 56	0 24	21 19	1 0	8 59	1 34	22 57	0 34	0 54	0 40	22 10	0 28	14 40	16 46	20 37	20 47	2 39	1 13	3 22
T 4	4 20	25 44	3 49	4 12	3 25	10 26	0 28	21 10	1 1	9 2	1 34	22 57	0 34	0 55	0 40	22 10	0 28	14 39	16 46	20 36	20 46	2 36	1 14	3 22
W 5	3 56	23 33	4 30	4 11	3 29	10 55	0 31	21 1	1 2	9 5	1 34	22 58	0 34	0 57	0 40	22 10	0 28	14 38	16 46	20 35	20 46	2 33	1 15	3 22
T 6	3 33	19 48	4 55	4 6	3 31	11 24	0 35	20 51	1 3	9 8	1 34	22 58	0 33	0 58	0 40	22 10	0 28	14 38	16 45	20 33	20 45	2 30	1 17	3 22
F 7	3 9	14 42	5 2	3 57	3 32	11 53	0 38	20 41	1 4	9 10	1 34	22 58	0 33	0 59	0 40	22 10	0 28	14 37	16 45	20 31	20 45	2 27	1 18	3 22
S 8	2 46	8 36	4 47	3 43	3 31	12 21	0 42	20 32	1 4	9 13	1 34	22 58	0 33	1 1	0 40	22 10	0 28	14 36	16 45	20 29	20 44	2 24	1 20	3 22
S 9	2 22	1 57	4 12	3 26	3 28	12 49	0 45	20 22	1 5	9 16	1 34	22 58	0 33	1 2	0 40	22 10	0 28	14 36	16 45	20 27	20 43	2 21	1 21	3 22
M10	1 59	4s47	3 19	3 5	3 24	13 17	0 49	20 11	1 6	9 19	1 34	22 59	0 33	1 3	0 40	22 10	0 28	14 35	16 45	20 25	20 43	2 18	1 22	3 21
T 11	1 35	11 9	2 13	2 42	3 17	13 45	0 52	20 1	1 7	9 22	1 34	22 59	0 33	1 5	0 40	22 11	0 28	14 35	16 45	20 24	20 42	2 15	1 24	3 21
W12	1 12	16 44	0 59	2 16	3 10	14 12	0 56	19 50	1 7	9 24	1 34	22 59	0 33	1 6	0 40	22 11	0 28	14 34	16 45	20 24	20 41	2 12	1 25	3 21
T 13	0 48	21 14	0s16	1 47	3 0	14 39	0 59	19 39	1 8	9 27	1 34	22 59	0 32	1 7	0 40	22 11	0 28	14 33	16 45	20 24	20 41	2 8	1 27	3 21
F 14	0 24	24 24	1 28	1 18	2 49	15 5	1 3	19 28	1 9	9 30	1 34	22 59	0 32	1 9	0 40	22 11	0 28	14 33	16 45	20 24	20 40	2 5	1 28	3 21
S 15	0 1	26 6	2 32	0 47	2 37	15 32	1 6	19 17	1 9	9 32	1 34	23 0	0 32	1 10	0 40	22 11	0 28	14 32	16 45	20 24	20 39	2 2	1 29	3 21
S 16	0n23	26 19	3 28	0 15	2 24	15 57	1 10	19 5	1 10	9 35	1 33	23 0	0 32	1 12	0 40	22 11	0 28	14 32	16 45	20 24	20 39	1 59	1 31	3 21
M17	0 46	25 9	4 11	0s16	2 9	16 23	1 13	18 54	1 11	9 37	1 33	23 0	0 32	1 13	0 40	22 11	0 28	14 31	16 45	20 23	20 38	1 56	1 32	3 21
T 18	1 10	22 47	4 43	0 47	1 54	16 48	1 17	18 42	1 12	9 40	1 33	23 0	0 32	1 14	0 40	22 11	0 28	14 31	16 45	20 22	20 38	1 53	1 34	3 21
W19	1 34	19 26	5 0	1 17	1 39	17 13	1 20	18 30	1 12	9 42	1 33	23 0	0 31	1 16	0 40	22 11	0 28	14 30	16 45	20 20	20 37	1 50	1 35	3 21
T 20	1 57	15 19	5 4	1 45	1 23	17 37	1 24	18 18	1 13	9 44	1 33	23 1	0 31	1 17	0 40	22 11	0 28	14 29	16 45	20 18	20 36	1 47	1 36	3 21
F 21	2 21	10 38	4 55	2 12	1 7	18 1	1 27	18 5	1 14	9 47	1 33	23 1	0 31	1 18	0 40	22 11	0 28	14 29	16 45	20 16	20 36	1 44	1 38	3 21
S 22	2 44	5 36	4 33	2 37	0 50	18 24	1 31	17 53	1 15	9 49	1 33	23 1	0 31	1 20	0 40	22 11	0 28	14 28	16 45	20 14	20 35	1 41	1 39	3 21
S 23	3 7	0 22	3 59	3 0	0 34	18 47	1 34	17 40	1 15	9 51	1 33	23 1	0 31	1 21	0 40	22 11	0 28	14 28	16 45	20 12	20 34	1 37	1 41	3 21
M24	3 31	4n54	3 15	3 21	0 19	19 10	1 37	17 27	1 16	9 53	1 33	23 1	0 31	1 23	0 40	22 11	0 28	14 27	16 45	20 10	20 34	1 34	1 42	3 21
T 25	3 54	10 0	2 22	3 39	0 3	19 32	1 41	17 14	1 17	9 55	1 33	23 2	0 31	1 24	0 40	22 11	0 28	14 27	16 45	20 9	20 33	1 31	1 44	3 21
W26	4 17	14 46	1 23	3 55	0s12	19 54	1 44	17 1	1 17	9 57	1 32	23 2	0 30	1 25	0 40	22 11	0 28	14 26	16 45	20 8	20 32	1 28	1 45	3 21
T 27	4 40	19 1	0 19	4 8	0 26	20 15	1 47	16 48	1 18	9 59	1 32	23 2	0 30	1 27	0 40	22 11	0 28	14 26	16 45	20 8	20 32	1 25	1 46	3 21
F 28	5 3	22 32	0n47	4 19	0 40	20 35	1 51	16 34	1 19	10 1	1 32	23 2	0 30	1 28	0 40	22 11	0 27	14 25	16 45	20 8	20 31	1 22	1 48	3 21
S 29	5 26	25 4	1 51	4 27	0 53	20 56	1 54	16 20	1 19	10 3	1 32	23 3	0 30	1 29	0 40	22 11	0 27	14 25	16 45	20 8	20 30	1 19	1 49	3 21
S 30	5 49	26 23	2 52	4 32	1 6	21 15	1 57	16 7	1 20	10 5	1 32	23 3	0 30	1 31	0 40	22 11	0 27	14 24	16 46	20 8	20 30	1 16	1 51	3 21
M31	6n11	26n19	3n46	4s35	1s18	21n34	2n 0	15s53	1s21	10n 6	1n32	23n 3	0s30	1n32	0s40	22n11	0s27	14s24	16s46	20n 8	20n29	1s12	1n52	3n21

Julian Day Number = 2119604.5, Delta T = 18m11s
Ecliptic obliquity = 23°33'30, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°04'14, Lahiri = 11°11'15 Julian Calendar 1 March 1091 == Greg. Calendar 7 March 1091

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1091
geocentric

APRIL 1091 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 59 5	16♈37'47	29♋37	21♓54	28♉19	21♒39	7°R43	28♊ 2	5♈25	15♋38	2♈23	29°R28	1♊ 4	6♈44	27♓ 3	T 1
W 2	13 3 2	17°36'16	13♌31	22°23	29°26	22°24	7♍38	28° 6	5°29	15°38	2°24	29♉26	1° 1	6°51	27° 6	W 2
T 3	13 6 58	18°34'42	27°52	22°56	0♊34	23°10	7°34	28°10	5°32	15°39	2°26	29°21	0°58	6°57	27°10	T 3
F 4	13 10 55	19°33'06	12♍38	23°33	1°42	23°55	7°29	28°14	5°36	15°39	2°27	29°16	0°55	7° 4	27°13	F 4
S 5	13 14 51	20°31'28	27°42	24°14	2°49	24°41	7°25	28°19	5°39	15°40	2°28	29°10	0°51	7°11	27°17	S 5
S 6	13 18 48	21°29'48	12♎56	24°59	3°56	25°26	7°21	28°23	5°42	15°40	2°30	29° 5	0°48	7°17	27°20	S 6
M 7	13 22 45	22°28'06	28°10	25°47	5° 3	26°12	7°17	28°28	5°46	15°41	2°31	29° 1	0°45	7°24	27°23	M 7
T 8	13 26 41	23°26'23	13♏13	26°38	6°10	26°57	7°14	28°32	5°49	15°41	2°32	28°58	0°42	7°31	27°27	T 8
W 9	13 30 38	24°24'37	27°56	27°33	7°16	27°43	7°10	28°37	5°52	15°42	2°34	28°D57	0°39	7°37	27°30	W 9
T 10	13 34 34	25°22'50	12♐15	28°31	8°23	28°28	7° 7	28°42	5°55	15°43	2°35	28°58	0°35	7°44	27°33	T 10
F 11	13 38 31	26°21'02	26° 7	29°32	9°29	29°14	7° 4	28°47	5°59	15°43	2°36	28°59	0°32	7°51	27°37	F 11
S 12	13 42 27	27°19'12	9♑31	0♈35	10°35	29°59	7° 1	28°52	6° 2	15°44	2°38	29° 1	0°29	7°57	27°40	S 12
S 13	13 46 24	28°17'20	22°30	1°41	11°41	0♓44	6°58	28°57	6° 5	15°45	2°39	29°R 2	0°26	8° 4	27°43	S 13
M14	13 50 20	29°15'27	5♒ 8	2°50	12°46	1°30	6°56	29° 2	6° 9	15°45	2°40	29° 2	0°23	8°11	27°47	M14
T 15	13 54 17	0♉13'33	17°29	4° 2	13°51	2°15	6°53	29° 7	6°12	15°46	2°42	29° 0	0°20	8°18	27°50	T 15
W16	13 58 14	1°11'37	29°36	5°16	14°57	3° 1	6°51	29°12	6°15	15°47	2°43	28°58	0°16	8°24	27°53	W16
T 17	14 2 10	2° 9'39	11♓34	6°32	16° 1	3°46	6°49	29°18	6°18	15°48	2°44	28°54	0°13	8°31	27°56	T 17
F 18	14 6 7	3° 7'40	23°27	7°51	17° 6	4°31	6°47	29°23	6°21	15°49	2°46	28°50	0°10	8°38	27°59	F 18
S 19	14 10 3	4° 5'40	5♈17	9°12	18°11	5°17	6°45	29°29	6°24	15°50	2°47	28°46	0° 7	8°44	28° 2	S 19
S 20	14 14 0	5° 3'38	17° 7	10°35	19°15	6° 2	6°44	29°34	6°28	15°51	2°48	28°42	0° 4	8°51	28° 5	S 20
M21	14 17 56	6° 1'34	28°59	12° 1	20°19	6°47	6°42	29°40	6°31	15°52	2°49	28°39	0° 0	8°58	28° 9	M21
T 22	14 21 53	6°59'29	10♉56	13°29	21°22	7°32	6°41	29°45	6°34	15°53	2°51	28°36	29♉57	9° 4	28°12	T 22
W23	14 25 49	7°57'23	22°59	14°58	22°26	8°17	6°40	29°51	6°37	15°54	2°52	28°D35	29°54	9°11	28°15	W23
T 24	14 29 46	8°55'15	5♊11	16°30	23°29	9° 3	6°40	29°57	6°40	15°55	2°53	28°35	29°51	9°18	28°18	T 24
F 25	14 33 43	9°53'05	17°33	18° 5	24°32	9°48	6°39	0♋ 3	6°43	15°56	2°54	28°36	29°48	9°25	28°20	F 25
S 26	14 37 39	10°50'54	0♋ 7	19°41	25°34	10°33	6°38	0° 9	6°46	15°57	2°56	28°38	29°45	9°31	28°23	S 26
S 27	14 41 36	11°48'41	12°57	21°19	26°37	11°18	6°38	0°15	6°49	15°58	2°57	28°39	29°41	9°38	28°26	S 27
M28	14 45 32	12°46'26	26° 3	23° 0	27°39	12° 3	6°D38	0°21	6°52	15°59	2°58	28°40	29°38	9°45	28°29	M28
T 29	14 49 29	13°44'10	9♌30	24°42	28°40	12°48	6°38	0°27	6°55	16° 1	2°59	28°R41	29°35	9°51	28°32	T 29
W30	14 53 25	14♉41'52	23♌18	26♈27	29♊42	13♓33	6♍39	0♋33	6♈58	16♋ 2	3♈ 0	28♉40	29♉32	9♈58	28♓35	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n34	24n43	4n29	4s36	1s29	21n53	2n 3	15s39	1s21	10n 8	1n32	23n 3	0s29	1n33	0s40	22n11	0s27	14s23	16s46	20n 8	20n29	1s 9	1n53	3n21
W 2	6 57	21 36	4 58	4 34	1 40	22 11	2 6	15 24	1 22	10 10	1 31	23 3	0 29	1 35	0 40	22 11	0 27	14 23	16 46	20 8	20 28	1 6	1 55	3 21
T 3	7 19	17 7	5 10	4 30	1 50	22 28	2 9	15 10	1 23	10 11	1 31	23 4	0 29	1 36	0 40	22 11	0 27	14 22	16 46	20 7	20 27	1 3	1 56	3 21
F 4	7 41	11 29	5 2	4 24	1 59	22 45	2 12	14 55	1 23	10 13	1 31	23 4	0 29	1 37	0 40	22 11	0 27	14 22	16 46	20 6	20 27	1 0	1 58	3 21
S 5	8 3	5 5	4 33	4 15	2 7	23 2	2 15	14 41	1 24	10 14	1 31	23 4	0 29	1 39	0 40	22 11	0 27	14 21	16 46	20 4	20 26	0 57	1 59	3 21
S 6	8 25	1s42	3 44	4 4	2 15	23 17	2 18	14 26	1 25	10 15	1 31	23 4	0 29	1 40	0 40	22 11	0 27	14 21	16 46	20 3	20 25	0 54	2 0	3 21
M 7	8 47	8 23	2 40	3 51	2 22	23 33	2 20	14 11	1 25	10 17	1 31	23 4	0 29	1 41	0 40	22 11	0 27	14 20	16 46	20 2	20 25	0 51	2 2	3 21
T 8	9 9	14 32	1 25	3 37	2 28	23 47	2 23	13 56	1 26	10 18	1 30	23 5	0 29	1 43	0 40	22 11	0 27	14 20	16 46	20 2	20 24	0 47	2 3	3 21
W 9	9 30	19 43	0 6	3 20	2 34	24 1	2 26	13 41	1 27	10 19	1 30	23 5	0 28	1 44	0 40	22 11	0 27	14 20	16 47	20 2	20 23	0 44	2 4	3 21
T 10	9 52	23 34	1s12	3 1	2 39	24 15	2 28	13 26	1 27	10 20	1 30	23 5	0 28	1 45	0 40	22 11	0 27	14 19	16 47	20 2	20 23	0 41	2 6	3 21
F 11	10 13	25 53	2 23	2 41	2 43	24 28	2 30	13 10	1 28	10 21	1 30	23 5	0 28	1 47	0 40	22 11	0 27	14 19	16 47	20 2	20 22	0 38	2 7	3 21
S 12	10 34	26 36	3 24	2 19	2 47	24 40	2 33	12 55	1 28	10 22	1 30	23 5	0 28	1 48	0 40	22 11	0 27	14 18	16 47	20 2	20 21	0 35	2 8	3 21
S 13	10 55	25 48	4 12	1 55	2 50	24 51	2 35	12 39	1 29	10 23	1 29	23 5	0 28	1 49	0 40	22 11	0 27	14 18	16 47	20 2	20 21	0 32	2 10	3 21
M14	11 16	23 42	4 46	1 30	2 52	25 2	2 37	12 23	1 30	10 24	1 29	23 6	0 28	1 51	0 40	22 11	0 27	14 18	16 47	20 2	20 20	0 29	2 11	3 21
T 15	11 36	20 32	5 7	1 3	2 54	25 13	2 39	12 8	1 30	10 24	1 29	23 6	0 28	1 52	0 40	22 10	0 27	14 17	16 47	20 2	20 19	0 25	2 12	3 21
W16	11 57	16 33	5 13	0 34	2 55	25 23	2 41	11 52	1 31	10 25	1 29	23 6	0 27	1 53	0 40	22 10	0 27	14 17	16 48	20 2	20 19	0 22	2 14	3 21
T 17	12 17	11 58	5 5	0 4	2 55	25 32	2 43	11 36	1 31	10 25	1 29	23 6	0 27	1 54	0 40	22 10	0 27	14 17	16 48	20 1	20 18	0 19	2 15	3 21
F 18	12 37	6 58	4 45	0n27	2 55	25 40	2 45	11 20	1 32	10 26	1 28	23 6	0 27	1 56	0 40	22 10	0 27	14 16	16 48	20 0	20 17	0 16	2 16	3 21
S 19	12 57	1 45	4 12	1 0	2 54	25 48	2 47	11 3	1 32	10 26	1 28	23 6	0 27	1 57	0 40	22 10	0 27	14 16	16 48	19 59	20 17	0 13	2 18	3 21
S 20	13 16	3n33	3 29	1 34	2 52	25 55	2 49	10 47	1 33	10 27	1 28	23 7	0 27	1 58	0 40	22 10	0 27	14 16	16 48	19 58	20 16	0 10	2 19	3 21
M21	13 36	8 44	2 36	2 10	2 50	26 2	2 50	10 31	1 34	10 27	1 28	23 7	0 27	1 59	0 40	22 10	0 27	14 15	16 48	19 57	20 15	0 7	2 20	3 21
T 22	13 55	13 40	1 36	2 46	2 48	26 8	2 52	10 14	1 34	10 27	1 28	23 7	0 27	2 0	0 40	22 10	0 27	14 15	16 49	19 57	20 14	0 3	2 21	3 21
W23	14 14	18 7	0 31	3 24	2 44	26 13	2 53	9 58	1 35	10 28	1 27	23 7	0 27	2 2	0 40	22 10	0 27	14 15	16 49	19 57	20 14	0 0	2 23	3 22
T 24	14 33	21 52	0n36	4 3	2 41	26 18	2 54	9 41	1 35	10 28	1 27	23 7	0 26	2 3	0 40	22 10	0 27	14 14	16 49	19 57	20 13	0n 3	2 24	3 22
F 25	14 51	24 41	1 43	4 43	2 36	26 22	2 55	9 25	1 36	10 28	1 27	23 7	0 26	2 4	0 40	22 10	0 27	14 14	16 49	19 57	20 12	0 6	2 25	3 22
S 26	15 9	26 19	2 45	5 24	2 31	26 25	2 56	9 8	1 36	10 28	1 27	23 7	0 26	2 5	0 40	22 9	0 27	14 14	16 49	19 57	20 12	0 9	2 26	3 22
S 27	15 27	26 36	3 41	6 6	2 26	26 28	2 57	8 51	1 37	10 27	1 27	23 7	0 26	2 6	0 40	22 9	0 27	14 13	16 50	19 57	20 11	0 12	2 27	3 22
M28	15 45	25 24	4 27	6 49	2 20	26 30	2 58	8 34	1 37	10 27	1 26	23 8	0 26	2 8	0 40	22 9	0 27	14 13	16 50	19 58	20 10	0 15	2 29	3 22
T 29	16 2	22 45	4 59	7 33	2 14	26 32	2 59	8 17	1 38	10 27	1 26	23 8	0 26	2 9	0 40	22 9	0 27	14 13	16 50	19 58	20 10	0 19	2 30	3 22
W30	16n20	18n46	5n15	8n17	2s 7	26n33	2n59	8s 1	1s38	10n27	1n26	23n 8	0s26	2n10	0s40	22n 9	0s27	14s13	16s50	19n58	20n 9	0n22	2n31	3n22

Julian Day Number = 2119635.5, Delta T = 18m11s
Ecliptic obliquity = 23°33'30, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°04'19, Lahiri = 11°11'19 Julian Calendar 1 Apr. 1091 == Greg. Calendar 7 Apr. 1091

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1091
geocentric

MAY 1091 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 57 22	15♉39'32	7♍27	28♈14	0♋43	14♓18	6♍39	0♋39	7♈ 0	16♋ 3	3♈ 1	28°R40	29♉29	10♈ 5	28♓37	T 1
F 2	15 1 18	16°37'10	21°55	0♉ 3	1°43	15° 3	6°40	0°46	7° 3	16° 4	3° 2	28♉39	29°26	10°11	28°40	F 2
S 3	15 5 15	17°34'47	6♎40	1°54	2°44	15°47	6°41	0°52	7° 6	16° 6	3° 3	28°37	29°22	10°18	28°43	S 3
S 4	15 9 12	18°32'22	21°35	3°47	3°44	16°32	6°42	0°58	7° 9	16° 7	3° 5	28°36	29°19	10°25	28°45	S 4
M 5	15 13 8	19°29'56	6♏32	5°42	4°43	17°17	6°43	1° 5	7°12	16° 8	3° 6	28°35	29°16	10°31	28°48	M 5
T 6	15 17 5	20°27'29	21°24	7°39	5°42	18° 2	6°44	1°11	7°14	16°10	3° 7	28°D35	29°13	10°38	28°51	T 6
W 7	15 21 1	21°25'01	6♐ 3	9°39	6°41	18°46	6°46	1°18	7°17	16°11	3° 8	28°35	29°10	10°45	28°53	W 7
T 8	15 24 58	22°22'31	20°22	11°40	7°39	19°31	6°48	1°25	7°20	16°13	3° 9	28°35	29° 6	10°51	28°56	T 8
F 9	15 28 54	23°20'01	4♑18	13°43	8°37	20°16	6°50	1°31	7°22	16°14	3°10	28°36	29° 3	10°58	28°58	F 9
S 10	15 32 51	24°17'30	17°48	15°47	9°35	21° 0	6°52	1°38	7°25	16°16	3°11	28°36	29° 0	11° 5	29° 0	S 10
S 11	15 36 47	25°14'58	0♒53	17°54	10°32	21°45	6°54	1°45	7°28	16°17	3°12	28°36	28°57	11°12	29° 3	S 11
M12	15 40 44	26°12'25	13°36	20° 1	11°28	22°29	6°56	1°52	7°30	16°19	3°13	28°37	28°54	11°18	29° 5	M12
T 13	15 44 41	27° 9'51	26° 0	22°10	12°24	23°14	6°59	1°58	7°33	16°20	3°14	28°R37	28°51	11°25	29° 7	T 13
W14	15 48 37	28° 7'16	8♓ 8	24°21	13°20	23°58	7° 2	2° 5	7°35	16°22	3°15	28°D37	28°47	11°32	29°10	W14
T 15	15 52 34	29° 4'41	20° 6	26°31	14°15	24°42	7° 5	2°12	7°37	16°23	3°15	28°37	28°44	11°38	29°12	T 15
F 16	15 56 30	0♊ 2'05	1♈58	28°43	15° 9	25°27	7° 8	2°19	7°40	16°25	3°16	28°37	28°41	11°45	29°14	F 16
S 17	16 0 27	0°59'28	13°48	0♊55	16° 3	26°11	7°11	2°26	7°42	16°27	3°17	28°37	28°38	11°52	29°16	S 17
S 18	16 4 23	1°56'50	25°39	3° 7	16°57	26°55	7°14	2°33	7°45	16°28	3°18	28°37	28°35	11°58	29°18	S 18
M19	16 8 20	2°54'12	7♉36	5°19	17°49	27°39	7°18	2°41	7°47	16°30	3°19	28°38	28°32	12° 5	29°20	M19
T 20	16 12 16	3°51'33	19°41	7°30	18°41	28°23	7°22	2°48	7°49	16°32	3°20	28°38	28°28	12°12	29°22	T 20
W21	16 16 13	4°48'54	1♊56	9°41	19°33	29° 7	7°26	2°55	7°51	16°34	3°20	28°R38	28°25	12°18	29°24	W21
T 22	16 20 10	5°46'13	14°23	11°50	20°24	29°51	7°30	3° 2	7°54	16°35	3°21	28°38	28°22	12°25	29°26	T 22
F 23	16 24 6	6°43'33	27° 2	13°59	21°14	0♈35	7°34	3° 9	7°56	16°37	3°22	28°37	28°19	12°32	29°28	F 23
S 24	16 28 3	7°40'51	9♋56	16° 6	22° 4	1°19	7°39	3°17	7°58	16°39	3°23	28°36	28°16	12°38	29°30	S 24
S 25	16 31 59	8°38'08	23° 3	18°11	22°52	2° 3	7°43	3°24	8° 0	16°41	3°23	28°35	28°12	12°45	29°31	S 25
M26	16 35 56	9°35'25	6♌25	20°15	23°40	2°46	7°48	3°31	8° 2	16°43	3°24	28°34	28° 9	12°52	29°33	M26
T 27	16 39 52	10°32'40	20° 1	22°17	24°28	3°30	7°53	3°39	8° 4	16°45	3°25	28°33	28° 6	12°59	29°35	T 27
W28	16 43 49	11°29'55	3♍51	24°16	25°14	4°13	7°58	3°46	8° 6	16°46	3°26	28°32	28° 3	13° 5	29°36	W28
T 29	16 47 46	12°27'09	17°54	26°14	25°59	4°57	8° 3	3°53	8° 8	16°48	3°26	28°D32	28° 0	13°12	29°38	T 29
F 30	16 51 42	13°24'22	2♎10	28°10	26°44	5°40	8° 8	4° 1	8°10	16°50	3°27	28°32	27°57	13°19	29°39	F 30
S 31	16 55 39	14♊21'34	16♎34	0♋ 3	27♋28	6♈23	8♍14	4♋ 8	8♈11	16♋52	3♈27	28♉33	27♉53	13♈25	29♓41	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n37	13n39	5n13	9n 2	1s59	26n33	3n 0	7s44	1s39	10n26	1n26	23n 8	0s26	2n11	0s40	22n 9	0s27	14s12	16s51	19n58	20n 8	0n25	2n32	3n22
F 2	16 53	7 40	4 51	9 48	1 51	26 33	3 0	7 27	1 39	10 26	1 25	23 8	0 25	2 12	0 40	22 9	0 27	14 12	16 51	19 57	20 8	0 28	2 33	3 22
S 3	17 10	1 9	4 9	10 35	1 43	26 32	3 0	7 10	1 40	10 25	1 25	23 8	0 25	2 13	0 40	22 9	0 27	14 12	16 51	19 57	20 7	0 31	2 34	3 22
S 4	17 26	5s30	3 11	11 22	1 34	26 30	3 0	6 52	1 40	10 25	1 25	23 8	0 25	2 14	0 40	22 8	0 27	14 12	16 51	19 57	20 6	0 34	2 36	3 22
M 5	17 42	11 54	1 59	12 9	1 25	26 28	3 0	6 35	1 40	10 24	1 25	23 8	0 25	2 15	0 40	22 8	0 27	14 12	16 52	19 57	20 6	0 38	2 37	3 22
T 6	17 57	17 34	0 40	12 56	1 16	26 25	2 59	6 18	1 41	10 23	1 25	23 8	0 25	2 16	0 40	22 8	0 26	14 12	16 52	19 57	20 5	0 41	2 38	3 22
W 7	18 12	22 6	0s41	13 44	1 6	26 22	2 59	6 1	1 41	10 23	1 24	23 8	0 25	2 17	0 40	22 8	0 26	14 11	16 52	19 57	20 4	0 44	2 39	3 23
T 8	18 27	25 10	1 58	14 31	0 56	26 18	2 58	5 44	1 42	10 22	1 24	23 8	0 25	2 18	0 40	22 8	0 26	14 11	16 52	19 57	20 4	0 47	2 40	3 23
F 9	18 42	26 35	3 5	15 18	0 46	26 14	2 58	5 26	1 42	10 21	1 24	23 8	0 25	2 20	0 40	22 8	0 26	14 11	16 53	19 57	20 3	0 50	2 41	3 23
S 10	18 56	26 20	4 0	16 5	0 35	26 9	2 57	5 9	1 43	10 20	1 24	23 8	0 24	2 21	0 40	22 8	0 26	14 11	16 53	19 57	20 2	0 53	2 42	3 23
S 11	19 10	24 38	4 41	16 51	0 24	26 3	2 56	4 52	1 43	10 19	1 23	23 8	0 24	2 22	0 40	22 7	0 26	14 11	16 53	19 57	20 1	0 57	2 43	3 23
M12	19 24	21 43	5 6	17 37	0 14	25 57	2 54	4 35	1 43	10 18	1 23	23 8	0 24	2 23	0 40	22 7	0 26	14 11	16 53	19 57	20 1	1 0	2 44	3 23
T 13	19 37	17 53	5 17	18 21	0 3	25 51	2 53	4 17	1 44	10 17	1 23	23 8	0 24	2 24	0 40	22 7	0 26	14 11	16 54	19 57	20 0	1 3	2 45	3 23
W14	19 50	13 23	5 13	19 4	0n 8	25 44	2 51	4 0	1 44	10 15	1 23	23 8	0 24	2 24	0 40	22 7	0 26	14 10	16 54	19 57	19 59	1 6	2 46	3 23
T 15	20 3	8 28	4 55	19 46	0 18	25 36	2 50	3 43	1 44	10 14	1 23	23 8	0 24	2 25	0 40	22 7	0 26	14 10	16 54	19 57	19 59	1 9	2 47	3 23
F 16	20 16	3 16	4 25	20 26	0 28	25 28	2 48	3 25	1 45	10 13	1 22	23 8	0 24	2 26	0 40	22 7	0 26	14 10	16 55	19 57	19 58	1 12	2 48	3 23
S 17	20 28	2n 2	3 44	21 4	0 38	25 20	2 46	3 8	1 45	10 11	1 22	23 8	0 24	2 27	0 40	22 6	0 26	14 10	16 55	19 57	19 57	1 16	2 49	3 23
S 18	20 39	7 17	2 53	21 40	0 48	25 11	2 43	2 50	1 45	10 10	1 22	23 8	0 24	2 28	0 40	22 6	0 26	14 10	16 55	19 57	19 57	1 19	2 50	3 24
M19	20 51	12 19	1 54	22 14	0 57	25 1	2 41	2 33	1 46	10 8	1 22	23 8	0 23	2 29	0 40	22 6	0 26	14 10	16 56	19 57	19 56	1 22	2 51	3 24
T 20	21 2	16 57	0 49	22 45	1 6	24 51	2 38	2 16	1 46	10 7	1 21	23 8	0 23	2 30	0 40	22 6	0 26	14 10	16 56	19 57	19 55	1 25	2 52	3 24
W21	21 12	20 57	0n18	23 14	1 14	24 41	2 35	1 58	1 46	10 5	1 21	23 8	0 23	2 31	0 40	22 6	0 26	14 10	16 56	19 57	19 54	1 28	2 53	3 24
T 22	21 23	24 4	1 26	23 41	1 22	24 30	2 32	1 41	1 47	10 3	1 21	23 8	0 23	2 32	0 40	22 5	0 26	14 10	16 57	19 57	19 54	1 31	2 53	3 24
F 23	21 32	26 2	2 31	24 4	1 29	24 19	2 29	1 24	1 47	10 1	1 21	23 8	0 23	2 32	0 40	22 5	0 26	14 10	16 57	19 57	19 53	1 35	2 54	3 24
S 24	21 42	26 40	3 29	24 25	1 36	24 8	2 25	1 7	1 47	9 59	1 21	23 8	0 23	2 33	0 40	22 5	0 26	14 10	16 57	19 57	19 52	1 38	2 55	3 24
S 25	21 51	25 49	4 18	24 43	1 41	23 56	2 21	0 49	1 47	9 58	1 20	23 8	0 23	2 34	0 41	22 5	0 26	14 10	16 57	19 57	19 52	1 41	2 56	3 24
M26	22 0	23 29	4 53	24 58	1 46	23 44	2 17	0 32	1 48	9 56	1 20	23 8	0 23	2 35	0 41	22 5	0 26	14 10	16 58	19 56	19 51	1 44	2 57	3 24
T 27	22 8	19 49	5 13	25 10	1 51	23 31	2 13	0 15	1 48	9 54	1 20	23 8	0 23	2 36	0 41	22 4	0 26	14 10	16 58	19 56	19 50	1 47	2 57	3 25
W28	22 16	15 2	5 15	25 20	1 54	23 18	2 9	0n 2	1 48	9 51	1 20	23 8	0 23	2 36	0 41	22 4	0 26	14 10	16 58	19 56	19 49	1 50	2 58	3 25
T 29	22 24	9 22	4 58	25 27	1 57	23 5	2 4	0 19	1 48	9 49	1 20	23 8	0 22	2 37	0 41	22 4	0 26	14 10	16 59	19 56	19 49	1 54	2 59	3 25
F 30	22 31	3 10	4 24	25 32	1 59	22 52	1 59	0 36	1 48	9 47	1 19	23 8	0 22	2 38	0 41	22 4	0 26	14 10	16 59	19 56	19 48	1 57	3 0	3 25
S 31	22n38	3s17	3n32	25n34	2n 0	22n38	1n54	0n53	1s49	9n45	1n19	23n 7	0s22	2n39	0s41	22n 4	0s26	14s10	16s59	19n56	19n47	2n 0	3n 0	3n25

Julian Day Number = 2119665.5, Delta T = 18m11s
Ecliptic obliquity = 23°33'30, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°04'23, Lahiri = 11°11'23 Julian Calendar 1 May 1091 == Greg. Calendar 7 May 1091

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1091
geocentric

JUNE 1091 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 59 35	15♊18'46	1♏ 5	1♋54	28♋10	7♈ 7	8♍20	4♋16	8♈13	16♋54	3♈28	28♉35	27♉50	13♈32	29♓42	S 1
M 2	17 3 32	16°15'57	15°38	3°43	28°52	7°50	8°25	4°23	8°15	16°56	3°29	28°36	27°47	13°39	29°44	M 2
T 3	17 7 28	17°13'07	0♐ 7	5°30	29°33	8°33	8°31	4°31	8°17	16°58	3°29	28°R36	27°44	13°45	29°45	T 3
W 4	17 11 25	18°10'17	14°27	7°14	0♌13	9°16	8°37	4°39	8°18	17° 0	3°30	28°35	27°41	13°52	29°46	W 4
T 5	17 15 21	19° 7'27	28°33	8°57	0°51	9°59	8°44	4°46	8°20	17° 2	3°30	28°34	27°38	13°59	29°48	T 5
F 6	17 19 18	20° 4'37	12♑22	10°36	1°28	10°42	8°50	4°54	8°22	17° 4	3°31	28°31	27°34	14° 5	29°49	F 6
S 7	17 23 15	21° 1'46	25°49	12°14	2° 4	11°24	8°56	5° 1	8°23	17° 6	3°31	28°28	27°31	14°12	29°50	S 7
S 8	17 27 11	21°58'55	8♒55	13°49	2°39	12° 7	9° 3	5° 9	8°25	17° 8	3°32	28°25	27°28	14°19	29°51	S 8
M 9	17 31 8	22°56'04	21°39	15°22	3°13	12°50	9°10	5°17	8°26	17°10	3°32	28°22	27°25	14°25	29°52	M 9
T 10	17 35 4	23°53'14	4♓ 5	16°52	3°45	13°32	9°17	5°24	8°27	17°12	3°32	28°19	27°22	14°32	29°53	T 10
W11	17 39 1	24°50'23	16°15	18°21	4°16	14°15	9°24	5°32	8°29	17°14	3°33	28°18	27°18	14°39	29°54	W11
T 12	17 42 57	25°47'33	28°14	19°46	4°45	14°57	9°31	5°40	8°30	17°16	3°33	28°D17	27°15	14°45	29°55	T 12
F 13	17 46 54	26°44'42	10♈ 6	21°10	5°13	15°39	9°38	5°48	8°31	17°19	3°33	28°18	27°12	14°52	29°56	F 13
S 14	17 50 50	27°41'52	21°56	22°31	5°40	16°21	9°45	5°55	8°33	17°21	3°34	28°20	27° 9	14°59	29°56	S 14
S 15	17 54 47	28°39'03	3♉50	23°49	6° 4	17° 4	9°53	6° 3	8°34	17°23	3°34	28°21	27° 6	15° 6	29°57	S 15
M16	17 58 44	29°36'13	15°51	25° 5	6°27	17°46	10° 1	6°11	8°35	17°25	3°34	28°23	27° 3	15°12	29°58	M16
T 17	18 2 40	0♋33'24	28° 3	26°18	6°49	18°27	10° 8	6°19	8°36	17°27	3°35	28°R23	26°59	15°19	29°58	T 17
W18	18 6 37	1°30'35	10♊30	27°29	7° 8	19° 9	10°16	6°26	8°37	17°29	3°35	28°23	26°56	15°26	29°59	W18
T 19	18 10 33	2°27'47	23°13	28°37	7°26	19°51	10°24	6°34	8°38	17°31	3°35	28°21	26°53	15°32	29°59	T 19
F 20	18 14 30	3°24'58	6♋12	29°42	7°42	20°32	10°32	6°42	8°39	17°34	3°35	28°17	26°50	15°39	29°59	F 20
S 21	18 18 26	4°22'10	19°29	0♌44	7°56	21°14	10°41	6°50	8°40	17°36	3°35	28°12	26°47	15°46	0♈ 0	S 21
S 22	18 22 23	5°19'22	3♌ 1	1°44	8° 8	21°55	10°49	6°58	8°41	17°38	3°36	28° 6	26°44	15°52	0° 0	S 22
M23	18 26 19	6°16'34	16°46	2°40	8°17	22°36	10°57	7° 5	8°42	17°40	3°36	28° 0	26°40	15°59	0° 1	M23
T 24	18 30 16	7°13'46	0♍42	3°33	8°25	23°18	11° 6	7°13	8°42	17°42	3°36	27°55	26°37	16° 6	0° 1	T 24
W25	18 34 13	8°10'59	14°45	4°23	8°30	23°59	11°15	7°21	8°43	17°44	3°36	27°51	26°34	16°12	0° 1	W25
T 26	18 38 9	9° 8'11	28°52	5° 9	8°34	24°39	11°24	7°29	8°44	17°47	3°36	27°49	26°31	16°19	0° 1	T 26
F 27	18 42 6	10° 5'23	13♎ 3	5°51	8°R35	25°20	11°32	7°37	8°44	17°49	3°36	27°D49	26°28	16°26	0° 1	F 27
S 28	18 46 2	11° 2'36	27°14	6°30	8°33	26° 1	11°41	7°44	8°45	17°51	3°R36	27°50	26°24	16°32	0°R 1	S 28
S 29	18 49 59	11°59'48	11♏25	7° 5	8°29	26°41	11°51	7°52	8°45	17°53	3°36	27°51	26°21	16°39	0° 1	S 29
M30	18 53 55	12♋57'01	25♏32	7♌36	8♌23	27♈22	12♍ 0	8♋ 0	8♈46	17♋56	3♈36	27°R52	26♉18	16♈46	0♈ 1	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n45	9s37	2n26	25n34	2n 1	22n24	1n49	1n10	1s49	9n43	1n19	23n 7	0s22	2n39	0s41	22n 3	0s26	14s10	17s 0	19n57	19n47	2n 3	3n 1	3n25
M 2	22 51	15 28	1 11	25 31	2 1	22 10	1 43	1 27	1 49	9 40	1 19	23 7	0 22	2 40	0 41	22 3	0 26	14 10	17 0	19 57	19 46	2 6	3 2	3 25
T 3	22 56	20 25	0s 8	25 27	2 0	21 56	1 37	1 44	1 49	9 38	1 19	23 7	0 22	2 41	0 41	22 3	0 26	14 11	17 1	19 57	19 45	2 9	3 2	3 25
W 4	23 2	24 5	1 26	25 20	1 59	21 41	1 31	2 1	1 49	9 35	1 18	23 7	0 22	2 41	0 41	22 3	0 26	14 11	17 1	19 57	19 44	2 13	3 3	3 26
T 5	23 7	26 11	2 38	25 11	1 56	21 27	1 25	2 18	1 49	9 33	1 18	23 7	0 22	2 42	0 41	22 2	0 26	14 11	17 1	19 56	19 44	2 16	3 4	3 26
F 6	23 11	26 36	3 38	25 1	1 54	21 12	1 18	2 35	1 49	9 30	1 18	23 6	0 22	2 42	0 41	22 2	0 26	14 11	17 2	19 56	19 43	2 19	3 4	3 26
S 7	23 15	25 25	4 25	24 49	1 50	20 57	1 11	2 51	1 50	9 28	1 18	23 6	0 22	2 43	0 41	22 2	0 26	14 11	17 2	19 55	19 42	2 22	3 5	3 26
S 8	23 19	22 53	4 56	24 36	1 46	20 42	1 4	3 8	1 50	9 25	1 18	23 6	0 21	2 44	0 41	22 2	0 26	14 11	17 2	19 54	19 42	2 25	3 5	3 26
M 9	23 22	19 16	5 12	24 21	1 41	20 27	0 56	3 24	1 50	9 22	1 17	23 6	0 21	2 44	0 41	22 1	0 26	14 11	17 3	19 54	19 41	2 29	3 6	3 26
T 10	23 25	14 54	5 12	24 4	1 36	20 11	0 48	3 41	1 50	9 19	1 17	23 6	0 21	2 45	0 41	22 1	0 26	14 12	17 3	19 53	19 40	2 32	3 6	3 26
W11	23 27	10 2	4 59	23 47	1 30	19 56	0 40	3 57	1 50	9 17	1 17	23 5	0 21	2 45	0 41	22 1	0 26	14 12	17 3	19 53	19 39	2 35	3 7	3 26
T 12	23 29	4 52	4 32	23 28	1 24	19 41	0 32	4 14	1 50	9 14	1 17	23 5	0 21	2 46	0 41	22 1	0 26	14 12	17 4	19 53	19 39	2 38	3 7	3 27
F 13	23 31	0n26	3 54	23 9	1 17	19 26	0 23	4 30	1 50	9 11	1 17	23 5	0 21	2 46	0 41	22 0	0 26	14 12	17 4	19 53	19 38	2 41	3 8	3 27
S 14	23 32	5 42	3 7	22 48	1 9	19 10	0 14	4 46	1 50	9 8	1 17	23 5	0 21	2 47	0 41	22 0	0 26	14 12	17 4	19 53	19 37	2 44	3 8	3 27
S 15	23 33	10 49	2 10	22 27	1 1	18 55	0 4	5 2	1 50	9 5	1 16	23 4	0 21	2 47	0 41	22 0	0 26	14 12	17 5	19 54	19 36	2 48	3 9	3 27
M16	23 33	15 35	1 8	22 5	0 52	18 40	0s 5	5 19	1 50	9 2	1 16	23 4	0 21	2 47	0 41	22 0	0 26	14 13	17 5	19 54	19 36	2 51	3 9	3 27
T 17	23 33	19 48	0 2	21 42	0 43	18 25	0 15	5 34	1 50	8 59	1 16	23 4	0 21	2 48	0 41	21 59	0 26	14 13	17 5	19 54	19 35	2 54	3 9	3 27
W18	23 33	23 13	1n 6	21 19	0 34	18 10	0 26	5 50	1 50	8 55	1 16	23 4	0 21	2 48	0 41	21 59	0 26	14 13	17 6	19 54	19 34	2 57	3 10	3 27
T 19	23 32	25 34	2 11	20 55	0 24	17 55	0 36	6 6	1 50	8 52	1 16	23 3	0 20	2 49	0 41	21 59	0 26	14 13	17 6	19 53	19 33	3 0	3 10	3 28
F 20	23 31	26 36	3 11	20 32	0 13	17 41	0 47	6 22	1 50	8 49	1 15	23 3	0 20	2 49	0 41	21 59	0 26	14 14	17 7	19 53	19 33	3 4	3 10	3 28
S 21	23 29	26 8	4 3	20 8	0 2	17 26	0 58	6 38	1 50	8 46	1 15	23 3	0 20	2 49	0 41	21 58	0 26	14 14	17 7	19 51	19 32	3 7	3 11	3 28
S 22	23 27	24 8	4 41	19 43	0s 9	17 12	1 10	6 53	1 50	8 42	1 15	23 2	0 20	2 50	0 41	21 58	0 26	14 14	17 7	19 50	19 31	3 10	3 11	3 28
M23	23 25	20 43	5 4	19 19	0 21	16 58	1 22	7 8	1 50	8 39	1 15	23 2	0 20	2 50	0 41	21 58	0 26	14 15	17 8	19 49	19 31	3 13	3 11	3 28
T 24	23 22	16 6	5 10	18 55	0 33	16 44	1 34	7 24	1 50	8 35	1 15	23 2	0 20	2 50	0 41	21 57	0 26	14 15	17 8	19 48	19 30	3 16	3 11	3 28
W25	23 18	10 36	4 57	18 31	0 46	16 31	1 46	7 39	1 49	8 32	1 15	23 1	0 20	2 50	0 41	21 57	0 26	14 15	17 8	19 47	19 29	3 19	3 11	3 28
T 26	23 15	4 31	4 26	18 8	0 58	16 18	1 59	7 54	1 49	8 28	1 14	23 1	0 20	2 51	0 41	21 57	0 26	14 15	17 9	19 46	19 28	3 23	3 12	3 28
F 27	23 10	1s49	3 39	17 45	1 11	16 5	2 12	8 9	1 49	8 25	1 14	23 1	0 20	2 51	0 41	21 57	0 26	14 16	17 9	19 46	19 28	3 26	3 12	3 29
S 28	23 6	8 5	2 38	17 22	1 25	15 53	2 25	8 24	1 49	8 21	1 14	23 0	0 20	2 51	0 41	21 56	0 26	14 16	17 10	19 46	19 27	3 29	3 12	3 29
S 29	23 1	13 56	1 28	17 1	1 38	15 41	2 39	8 39	1 49	8 18	1 14	23 0	0 20	2 51	0 42	21 56	0 26	14 16	17 10	19 47	19 26	3 32	3 12	3 29
M30	22n55	19s 2	0n13	16n40	1s52	15n29	2s52	8n54	1s49	8n14	1n14	22n59	0s19	2n51	0s42	21n56	0s25	14s17	17s10	19n47	19n25	3n35	3n12	3n29

Julian Day Number = 2119696.5, Delta T = 18m10s
Ecliptic obliquity = 23°33'30, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°04'27, Lahiri = 11°11'27 Julian Calendar 1 June 1091 == Greg. Calendar 7 June 1091

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1091
geocentric

JULY 1091 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 57 52	13♋54'15	9♐35	8♌ 3	8°R15	28♈ 2	12♍ 9	8♋ 8	8♈46	17♋58	3°R36	27°R51	26♉15	16♈52	0°R 1	T 1
W 2	19 1 49	14°51'29	23°30	8°25	8♌ 4	28°42	12°18	8°15	8°46	18° 0	3♈36	27♉49	26°12	16°59	0♈ 1	W 2
T 3	19 5 45	15°48'43	7♑15	8°43	7°50	29°22	12°28	8°23	8°47	18° 2	3°36	27°44	26° 9	17° 6	0° 1	T 3
F 4	19 9 42	16°45'58	20°46	8°56	7°35	0♉ 2	12°38	8°31	8°47	18° 4	3°36	27°37	26° 5	17°12	0° 0	F 4
S 5	19 13 38	17°43'13	4♒ 1	9° 5	7°17	0°42	12°47	8°39	8°47	18° 7	3°35	27°29	26° 2	17°19	29♓59	S 5
S 6	19 17 35	18°40'29	16°59	9°R 8	6°56	1°21	12°57	8°46	8°47	18° 9	3°35	27°20	25°59	17°26	29°59	S 6
M 7	19 21 31	19°37'46	29°39	9° 6	6°34	2° 1	13° 7	8°54	8°48	18°11	3°35	27°12	25°56	17°32	29°59	M 7
T 8	19 25 28	20°35'04	12♓ 2	9° 0	6° 9	2°40	13°17	9° 2	8°48	18°13	3°35	27° 5	25°53	17°39	29°59	T 8
W 9	19 29 24	21°32'23	24°11	8°48	5°42	3°19	13°27	9° 9	8°R48	18°16	3°35	26°59	25°50	17°46	29°58	W 9
T 10	19 33 21	22°29'43	6♈ 9	8°31	5°14	3°59	13°37	9°17	8°48	18°18	3°34	26°55	25°46	17°52	29°57	T 10
F 11	19 37 18	23°27'04	18° 1	8°10	4°44	4°37	13°47	9°25	8°48	18°20	3°34	26°54	25°43	17°59	29°57	F 11
S 12	19 41 14	24°24'26	29°51	7°44	4°12	5°16	13°58	9°32	8°47	18°22	3°34	26°D54	25°40	18° 6	29°56	S 12
S 13	19 45 11	25°21'50	11♉45	7°13	3°39	5°55	14° 8	9°40	8°47	18°24	3°34	26°55	25°37	18°13	29°55	S 13
M14	19 49 7	26°19'14	23°48	6°38	3° 4	6°33	14°19	9°48	8°47	18°27	3°33	26°R55	25°34	18°19	29°54	M14
T 15	19 53 4	27°16'40	6♊ 4	5°59	2°29	7°12	14°29	9°55	8°47	18°29	3°33	26°55	25°30	18°26	29°53	T 15
W16	19 57 0	28°14'07	18°39	5°17	1°53	7°50	14°40	10° 3	8°46	18°31	3°33	26°53	25°27	18°33	29°52	W16
T 17	20 0 57	29°11'36	1♋34	4°33	1°16	8°28	14°50	10°10	8°46	18°33	3°32	26°48	25°24	18°39	29°51	T 17
F 18	20 4 53	0♌ 9'05	14°51	3°46	0°39	9° 6	15° 1	10°18	8°46	18°36	3°32	26°41	25°21	18°46	29°50	F 18
S 19	20 8 50	1° 6'36	28°30	2°59	0° 2	9°43	15°12	10°25	8°45	18°38	3°31	26°32	25°18	18°53	29°49	S 19
S 20	20 12 47	2° 4'08	12♌28	2°12	29♋24	10°21	15°23	10°33	8°45	18°40	3°31	26°22	25°15	18°59	29°48	S 20
M21	20 16 43	3° 1'41	26°40	1°25	28°48	10°58	15°34	10°40	8°44	18°42	3°30	26°12	25°11	19° 6	29°47	M21
T 22	20 20 40	3°59'14	11♍ 1	0°40	28°12	11°35	15°45	10°48	8°43	18°44	3°30	26° 3	25° 8	19°13	29°46	T 22
W23	20 24 36	4°56'49	25°25	29♋57	27°36	12°12	15°56	10°55	8°43	18°46	3°29	25°55	25° 5	19°19	29°44	W23
T 24	20 28 33	5°54'25	9♎47	29°18	27° 2	12°49	16° 8	11° 2	8°42	18°49	3°29	25°51	25° 2	19°26	29°43	T 24
F 25	20 32 29	6°52'02	24° 4	28°42	26°29	13°25	16°19	11°10	8°41	18°51	3°28	25°48	24°59	19°33	29°42	F 25
S 26	20 36 26	7°49'39	8♏13	28°12	25°57	14° 2	16°30	11°17	8°41	18°53	3°28	25°D48	24°56	19°39	29°40	S 26
S 27	20 40 22	8°47'18	22°12	27°47	25°27	14°38	16°42	11°24	8°40	18°55	3°27	25°R48	24°52	19°46	29°39	S 27
M28	20 44 19	9°44'58	6♐ 3	27°29	24°59	15°14	16°53	11°31	8°39	18°57	3°27	25°48	24°49	19°53	29°37	M28
T 29	20 48 16	10°42'39	19°43	27°17	24°33	15°49	17° 5	11°39	8°38	18°59	3°26	25°46	24°46	19°59	29°36	T 29
W30	20 52 12	11°40'21	3♑14	27°D12	24° 8	16°25	17°16	11°46	8°37	19° 1	3°25	25°41	24°43	20° 6	29°34	W30
T 31	20 56 9	12♌38'04	16♑35	27♋15	23♋46	17♉ 0	17♍28	11♋53	8♈36	19♋ 3	3♈25	25♉34	24♉40	20♈13	29♓33	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n50	23s 2	1s 3	16n19	2s 6	15n18	3s 6	9n 8	1s49	8n10	1n14	22n59	0s19	2n51	0s42	21n56	0s25	14s17	17s11	19n47	19n25	3n39	3n12	3n29
W 2	22 44	25 38	2 14	16 0	2 19	15 7	3 20	9 23	1 48	8 7	1 14	22 59	0 19	2 52	0 42	21 55	0 25	14 17	17 11	19 46	19 24	3 42	3 12	3 29
T 3	22 37	26 37	3 16	15 42	2 33	14 57	3 34	9 37	1 48	8 3	1 13	22 58	0 19	2 52	0 42	21 55	0 25	14 18	17 11	19 45	19 23	3 45	3 12	3 29
F 4	22 30	26 0	4 6	15 26	2 47	14 48	3 48	9 51	1 48	7 59	1 13	22 58	0 19	2 52	0 42	21 55	0 25	14 18	17 12	19 44	19 22	3 48	3 12	3 30
S 5	22 23	23 54	4 41	15 10	3 1	14 39	4 2	10 5	1 48	7 55	1 13	22 57	0 19	2 52	0 42	21 54	0 25	14 19	17 12	19 42	19 22	3 51	3 12	3 30
S 6	22 15	20 36	5 1	14 57	3 14	14 30	4 16	10 19	1 48	7 51	1 13	22 57	0 19	2 52	0 42	21 54	0 25	14 19	17 12	19 40	19 21	3 55	3 12	3 30
M 7	22 7	16 25	5 6	14 44	3 27	14 22	4 30	10 33	1 47	7 47	1 13	22 57	0 19	2 52	0 42	21 54	0 25	14 19	17 13	19 38	19 20	3 58	3 12	3 30
T 8	21 58	11 38	4 56	14 34	3 39	14 15	4 44	10 47	1 47	7 43	1 13	22 56	0 19	2 52	0 42	21 54	0 25	14 20	17 13	19 36	19 19	4 1	3 12	3 30
W 9	21 49	6 29	4 33	14 25	3 51	14 8	4 57	11 1	1 47	7 39	1 13	22 56	0 19	2 52	0 42	21 53	0 25	14 20	17 13	19 35	19 19	4 4	3 12	3 30
T 10	21 40	1 11	3 58	14 19	4 3	14 2	5 11	11 14	1 46	7 35	1 12	22 55	0 19	2 52	0 42	21 53	0 25	14 21	17 14	19 34	19 18	4 7	3 12	3 30
F 11	21 31	4n 8	3 13	14 14	4 13	13 56	5 24	11 28	1 46	7 31	1 12	22 55	0 19	2 52	0 42	21 53	0 25	14 21	17 14	19 34	19 17	4 10	3 11	3 30
S 12	21 21	9 18	2 20	14 12	4 23	13 51	5 36	11 41	1 46	7 27	1 12	22 54	0 18	2 52	0 42	21 52	0 25	14 21	17 15	19 34	19 16	4 14	3 11	3 31
S 13	21 10	14 10	1 20	14 12	4 31	13 47	5 49	11 54	1 45	7 23	1 12	22 54	0 18	2 51	0 42	21 52	0 25	14 22	17 15	19 34	19 16	4 17	3 11	3 31
M14	21 0	18 33	0 17	14 13	4 38	13 43	6 1	12 7	1 45	7 19	1 12	22 53	0 18	2 51	0 42	21 52	0 25	14 22	17 15	19 34	19 15	4 20	3 11	3 31
T 15	20 48	22 14	0n49	14 17	4 43	13 40	6 12	12 20	1 45	7 14	1 12	22 53	0 18	2 51	0 42	21 51	0 25	14 23	17 16	19 34	19 14	4 23	3 11	3 31
W16	20 37	24 57	1 53	14 23	4 48	13 37	6 23	12 33	1 44	7 10	1 12	22 52	0 18	2 51	0 42	21 51	0 25	14 23	17 16	19 33	19 13	4 26	3 10	3 31
T 17	20 25	26 27	2 54	14 32	4 50	13 35	6 33	12 45	1 44	7 6	1 12	22 52	0 18	2 51	0 42	21 51	0 25	14 24	17 16	19 32	19 12	4 30	3 10	3 31
F 18	20 13	26 29	3 46	14 42	4 51	13 34	6 42	12 58	1 44	7 2	1 12	22 51	0 18	2 51	0 42	21 51	0 25	14 24	17 17	19 31	19 12	4 33	3 10	3 31
S 19	20 1	24 56	4 28	14 53	4 49	13 33	6 51	13 10	1 43	6 57	1 11	22 51	0 18	2 51	0 42	21 50	0 25	14 25	17 17	19 29	19 11	4 36	3 9	3 31
S 20	19 48	21 51	4 54	15 7	4 46	13 33	6 59	13 22	1 43	6 53	1 11	22 50	0 18	2 50	0 42	21 50	0 25	14 25	17 17	19 26	19 10	4 39	3 9	3 31
M21	19 35	17 25	5 3	15 22	4 42	13 33	7 6	13 34	1 42	6 49	1 11	22 50	0 18	2 50	0 42	21 50	0 25	14 26	17 18	19 24	19 9	4 42	3 9	3 32
T 22	19 21	11 58	4 53	15 38	4 35	13 34	7 12	13 46	1 42	6 44	1 11	22 49	0 18	2 50	0 42	21 49	0 25	14 26	17 18	19 22	19 9	4 46	3 8	3 32
W23	19 7	5 52	4 24	15 55	4 27	13 35	7 18	13 58	1 41	6 40	1 11	22 49	0 18	2 49	0 42	21 49	0 25	14 27	17 18	19 20	19 8	4 49	3 8	3 32
T 24	18 53	0s33	3 39	16 13	4 17	13 37	7 22	14 10	1 41	6 35	1 11	22 48	0 18	2 49	0 42	21 49	0 25	14 27	17 19	19 19	19 7	4 52	3 7	3 32
F 25	18 39	6 54	2 40	16 31	4 5	13 39	7 26	14 21	1 40	6 31	1 11	22 48	0 17	2 49	0 42	21 49	0 25	14 28	17 19	19 18	19 6	4 55	3 7	3 32
S 26	18 24	12 52	1 32	16 50	3 52	13 42	7 29	14 32	1 40	6 26	1 11	22 47	0 17	2 49	0 42	21 48	0 25	14 28	17 19	19 18	19 6	4 58	3 7	3 32
S 27	18 9	18 6	0 19	17 9	3 38	13 45	7 32	14 44	1 39	6 22	1 11	22 47	0 17	2 48	0 42	21 48	0 25	14 29	17 19	19 18	19 5	5 1	3 6	3 32
M28	17 54	22 19	0s54	17 27	3 23	13 48	7 33	14 55	1 39	6 17	1 10	22 46	0 17	2 48	0 42	21 48	0 25	14 29	17 20	19 18	19 4	5 5	3 5	3 32
T 29	17 38	25 12	2 3	17 45	3 7	13 52	7 34	15 5	1 38	6 12	1 10	22 46	0 17	2 47	0 42	21 47	0 25	14 30	17 20	19 18	19 3	5 8	3 5	3 32
W30	17 22	26 35	3 4	18 2	2 51	13 56	7 34	15 16	1 38	6 8	1 10	22 45	0 17	2 47	0 42	21 47	0 25	14 30	17 20	19 17	19 2	5 11	3 4	3 32
T 31	17n 6	26s24	3s54	18n18	2s34	14n 0	7s33	15n27	1s37	6n 3	1n10	22n45	0s17	2n47	0s42	21n47	0s25	14s31	17s21	19n15	19n 2	5n14	3n 4	3n33

Julian Day Number = 2119726.5, Delta T = 18m10s
Ecliptic obliquity = 23°33'30, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°04'31, Lahiri = 11°11'32 Julian Calendar 1 July 1091 == Greg. Calendar 7 July 1091

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1091
geocentric

AUGUST 1091 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 0 5	13♌35'49	29♋44	27♋25	23°R26	17♉35	17♍40	12♋ 0	8°R35	19♋ 5	3°R24	25°R24	24♉36	20♈19	29°R31	F 1
S 2	21 4 2	14°33'35	12♒41	27°42	23♋ 8	18°10	17°51	12° 7	8♈34	19° 8	3♈23	25♉12	24°33	20°26	29♓29	S 2
S 3	21 7 58	15°31'22	25°25	28° 7	22°53	18°45	18° 3	12°14	8°33	19°10	3°23	25° 0	24°30	20°33	29°27	S 3
M 4	21 11 55	16°29'11	7♓54	28°40	22°40	19°20	18°15	12°21	8°31	19°12	3°22	24°47	24°27	20°39	29°25	M 4
T 5	21 15 51	17°27'02	20°11	29°21	22°29	19°54	18°27	12°28	8°30	19°14	3°21	24°35	24°24	20°46	29°24	T 5
W 6	21 19 48	18°24'54	2♈15	0♌ 9	22°21	20°28	18°39	12°34	8°29	19°16	3°20	24°26	24°21	20°53	29°22	W 6
T 7	21 23 45	19°22'48	14°10	1° 4	22°16	21° 2	18°51	12°41	8°28	19°18	3°20	24°20	24°17	20°59	29°20	T 7
F 8	21 27 41	20°20'44	26° 0	2° 6	22°12	21°35	19° 3	12°48	8°26	19°20	3°19	24°16	24°14	21° 6	29°18	F 8
S 9	21 31 38	21°18'41	7♉49	3°15	22°D11	22° 8	19°15	12°55	8°25	19°22	3°18	24°14	24°11	21°13	29°16	S 9
S 10	21 35 34	22°16'41	19°41	4°30	22°13	22°42	19°27	13° 1	8°23	19°23	3°17	24°13	24° 8	21°19	29°14	S 10
M11	21 39 31	23°14'42	1♊42	5°50	22°16	23°14	19°40	13° 8	8°22	19°25	3°16	24°13	24° 5	21°26	29°12	M11
T 12	21 43 27	24°12'46	13°59	7°16	22°22	23°47	19°52	13°15	8°20	19°27	3°16	24°12	24° 1	21°33	29° 9	T 12
W13	21 47 24	25°10'52	26°35	8°47	22°30	24°19	20° 4	13°21	8°19	19°29	3°15	24°10	23°58	21°39	29° 7	W13
T 14	21 51 20	26° 8'59	9♋35	10°23	22°41	24°51	20°17	13°27	8°17	19°31	3°14	24° 5	23°55	21°46	29° 5	T 14
F 15	21 55 17	27° 7'09	23° 1	12° 2	22°53	25°23	20°29	13°34	8°16	19°33	3°13	23°57	23°52	21°53	29° 3	F 15
S 16	21 59 14	28° 5'20	6♌54	13°45	23° 8	25°54	20°41	13°40	8°14	19°35	3°12	23°47	23°49	21°59	29° 1	S 16
S 17	22 3 10	29° 3'33	21°11	15°31	23°24	26°25	20°54	13°46	8°12	19°37	3°11	23°36	23°46	22° 6	28°58	S 17
M18	22 7 7	0♍ 1'48	5♍46	17°19	23°43	26°56	21° 6	13°53	8°10	19°38	3°10	23°24	23°42	22°13	28°56	M18
T 19	22 11 3	1° 0'05	20°32	19° 9	24° 3	27°27	21°19	13°59	8° 9	19°40	3° 9	23°14	23°39	22°19	28°54	T 19
W20	22 15 0	1°58'23	5♎21	21° 0	24°25	27°57	21°31	14° 5	8° 7	19°42	3° 8	23° 5	23°36	22°26	28°51	W20
T 21	22 18 56	2°56'43	20° 5	22°53	24°48	28°27	21°44	14°11	8° 5	19°44	3° 7	23° 0	23°33	22°33	28°49	T 21
F 22	22 22 53	3°55'05	4♏38	24°47	25°14	28°56	21°57	14°17	8° 3	19°45	3° 6	22°57	23°30	22°39	28°46	F 22
S 23	22 26 49	4°53'29	18°55	26°41	25°41	29°26	22° 9	14°23	8° 1	19°47	3° 5	22°D56	23°27	22°46	28°44	S 23
S 24	22 30 46	5°51'54	2♐56	28°35	26°10	29°55	22°22	14°29	7°59	19°49	3° 4	22°R56	23°23	22°53	28°41	S 24
M25	22 34 43	6°50'20	16°40	0♑30	26°40	0♊23	22°35	14°35	7°57	19°50	3° 3	22°56	23°20	22°59	28°39	M25
T 26	22 38 39	7°48'49	0♑ 8	2°24	27°11	0°51	22°48	14°40	7°55	19°52	3° 2	22°54	23°17	23° 6	28°36	T 26
W27	22 42 36	8°47'19	13°22	4°17	27°44	1°19	23° 0	14°46	7°53	19°54	3° 1	22°50	23°14	23°13	28°34	W27
T 28	22 46 32	9°45'50	26°23	6°11	28°19	1°47	23°13	14°51	7°51	19°55	3° 0	22°43	23°11	23°19	28°31	T 28
F 29	22 50 29	10°44'24	9♒12	8° 3	28°54	2°14	23°26	14°57	7°49	19°57	2°59	22°33	23° 7	23°26	28°28	F 29
S 30	22 54 25	11°42'59	21°50	9°55	29°31	2°41	23°39	15° 2	7°47	19°58	2°58	22°22	23° 4	23°33	28°26	S 30
S 31	22 58 22	12♍41'36	4♓17	11♍46	0♌10	3♊ 7	23♍52	15♋ 8	7♈45	20♋ 0	2♈57	22♉ 9	23♉ 1	23♈39	28♓23	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	16n50	24s43	4s31	18n33	2s16	14n 5	7s32	15n37	1s36	5n59	1n10	22n44	0s17	2n46	0s42	21n47	0s25	14s31	17s21	19n13	19n 1	5n17	3n 3	3n33	F 1
S 2	16 33	21 46	4 53	18 47	1 59	14 10	7 30	15 48	1 36	5 54	1 10	22 43	0 17	2 46	0 43	21 46	0 25	14 32	17 21	19 10	19 0	5 21	3 3	3 33	S 2
S 3	16 16	17 49	5 0	18 59	1 41	14 15	7 28	15 58	1 35	5 49	1 10	22 43	0 17	2 45	0 43	21 46	0 25	14 32	17 21	19 7	18 59	5 24	3 2	3 33	S 3
M 4	15 58	13 10	4 53	19 10	1 24	14 20	7 25	16 8	1 34	5 44	1 10	22 42	0 17	2 45	0 43	21 46	0 25	14 33	17 22	19 3	18 59	5 27	3 1	3 33	M 4
T 5	15 41	8 4	4 31	19 18	1 7	14 25	7 21	16 18	1 34	5 40	1 10	22 42	0 17	2 44	0 43	21 45	0 25	14 33	17 22	19 1	18 58	5 30	3 1	3 33	T 5
W 6	15 23	2 44	3 58	19 24	0 50	14 30	7 17	16 27	1 33	5 35	1 10	22 41	0 17	2 44	0 43	21 45	0 25	14 34	17 22	18 58	18 57	5 33	3 0	3 33	W 6
T 7	15 5	2n37	3 15	19 28	0 34	14 36	7 12	16 37	1 32	5 30	1 10	22 41	0 17	2 43	0 43	21 45	0 25	14 34	17 23	18 57	18 56	5 36	2 59	3 33	T 7
F 8	14 47	7 52	2 23	19 29	0 18	14 41	7 7	16 46	1 32	5 25	1 10	22 40	0 16	2 43	0 43	21 45	0 25	14 35	17 23	18 56	18 55	5 40	2 58	3 33	F 8
S 9	14 28	12 50	1 26	19 28	0 4	14 47	7 2	16 56	1 31	5 20	1 10	22 39	0 16	2 42	0 43	21 44	0 25	14 35	17 23	18 55	18 55	5 43	2 58	3 33	S 9
S 10	14 9	17 21	0 24	19 24	0n10	14 52	6 56	17 5	1 30	5 15	1 9	22 39	0 16	2 41	0 43	21 44	0 25	14 36	17 23	18 55	18 54	5 46	2 57	3 33	S 10
M11	13 50	21 15	0n40	19 17	0 24	14 57	6 50	17 14	1 29	5 11	1 9	22 38	0 16	2 41	0 43	21 44	0 25	14 37	17 24	18 55	18 53	5 49	2 56	3 33	M11
T 12	13 31	24 17	1 43	19 7	0 36	15 3	6 44	17 23	1 29	5 6	1 9	22 38	0 16	2 40	0 43	21 43	0 25	14 37	17 24	18 55	18 52	5 52	2 55	3 33	T 12
W13	13 12	26 13	2 42	18 55	0 47	15 8	6 37	17 32	1 28	5 1	1 9	22 37	0 16	2 39	0 43	21 43	0 25	14 38	17 24	18 54	18 52	5 56	2 55	3 33	W13
T 14	12 52	26 47	3 35	18 39	0 58	15 13	6 31	17 40	1 27	4 56	1 9	22 37	0 16	2 39	0 43	21 43	0 25	14 38	17 24	18 53	18 51	5 59	2 54	3 34	T 14
F 15	12 32	25 50	4 18	18 21	1 7	15 18	6 24	17 49	1 26	4 51	1 9	22 36	0 16	2 38	0 43	21 43	0 25	14 39	17 25	18 51	18 50	6 2	2 53	3 34	F 15
S 16	12 12	23 16	4 48	17 59	1 15	15 23	6 16	17 57	1 25	4 46	1 9	22 35	0 16	2 37	0 43	21 42	0 25	14 39	17 25	18 49	18 49	6 5	2 52	3 34	S 16
S 17	11 52	19 14	5 0	17 35	1 23	15 27	6 9	18 5	1 24	4 41	1 9	22 35	0 16	2 37	0 43	21 42	0 25	14 40	17 25	18 46	18 48	6 8	2 51	3 34	S 17
M18	11 31	13 59	4 54	17 8	1 29	15 32	6 2	18 13	1 24	4 36	1 9	22 34	0 16	2 36	0 43	21 42	0 25	14 40	17 25	18 43	18 48	6 11	2 50	3 34	M18
T 19	11 10	7 52	4 28	16 39	1 35	15 36	5 54	18 21	1 23	4 31	1 9	22 34	0 16	2 35	0 43	21 42	0 25	14 41	17 25	18 40	18 47	6 15	2 49	3 34	T 19
W20	10 50	1 17	3 43	16 8	1 39	15 40	5 46	18 28	1 22	4 26	1 9	22 33	0 16	2 35	0 43	21 41	0 25	14 42	17 26	18 38	18 46	6 18	2 48	3 34	W20
T 21	10 28	5s21	2 44	15 34	1 43	15 43	5 38	18 36	1 21	4 21	1 9	22 33	0 16	2 34	0 43	21 41	0 25	14 42	17 26	18 37	18 45	6 21	2 47	3 34	T 21
F 22	10 7	11 38	1 35	14 59	1 45	15 47	5 31	18 43	1 20	4 16	1 9	22 32	0 15	2 33	0 43	21 41	0 25	14 43	17 26	18 36	18 44	6 24	2 46	3 34	F 22
S 23	9 46	17 12	0 21	14 22	1 47	15 50	5 23	18 51	1 19	4 11	1 9	22 31	0 15	2 32	0 43	21 41	0 25	14 43	17 26	18 36	18 44	6 27	2 46	3 34	S 23
S 24	9 24	21 43	0s53	13 43	1 48	15 52	5 15	18 58	1 18	4 6	1 9	22 31	0 15	2 32	0 43	21 40	0 25	14 44	17 26	18 36	18 43	6 31	2 45	3 34	S 24
M25	9 3	24 55	2 2	13 3	1 49	15 55	5 6	19 5	1 17	4 1	1 9	22 30	0 15	2 31	0 43	21 40	0 25	14 44	17 26	18 36	18 42	6 34	2 44	3 34	M25
T 26	8 41	26 37	3 4	12 21	1 48	15 57	4 58	19 12	1 16	3 56	1 9	22 30	0 15	2 30	0 43	21 40	0 25	14 45	17 27	18 35	18 41	6 37	2 43	3 34	T 26
W27	8 19	26 46	3 54	11 39	1 47	15 58	4 50	19 19	1 15	3 50	1 9	22 29	0 15	2 29	0 43	21 40	0 25	14 46	17 27	18 34	18 40	6 40	2 42	3 34	W27
T 28	7 57	25 25	4 31	10 55	1 46	16 0	4 42	19 25	1 14	3 45	1 9	22 29	0 15	2 28	0 43	21 39	0 25	14 46	17 27	18 32	18 40	6 43	2 40	3 34	T 28
F 29	7 35	22 45	4 54	10 11	1 44	16 1	4 34	19 32	1 12	3 40	1 9	22 28	0 15	2 28	0 43	21 39	0 25	14 47	17 27	18 30	18 39	6 46	2 39	3 34	F 29
S 30	7 12	19 3	5 2	9 27	1 41	16 1	4 26	19 38	1 11	3 35	1 9	22 28	0 15	2 27	0 43	21 39	0 25	14 47	17 27	18 27	18 38	6 50	2 38	3 34	S 30
S 31	6n50	14s34	4s55	8n41	1n38	16n 1	4s18	19n44	1s10	3n30	1n 9	22n27	0s15	2n26	0s43	21n39	0s25	14s48	17s27	18n24	18n37	6n53	2n37	3n34	S 31

Julian Day Number = 2119757.5, Delta T = 18m10s
Ecliptic obliquity = 23°33'31, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°04'35, Lahiri = 11°11'36 Julian Calendar 1 Aug. 1091 == Greg. Calendar 7 Aug. 1091

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1091
geocentric

SEPTEMBER 1091 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 2 18	13♍40'15	16♓33	13♍37	0♌49	3♊33	24♍ 4	15♋13	7°R43	20♋ 1	2°R56	21°R57	22♉58	23♈46	28°R20	M 1
T 2	23 6 15	14°38'56	28°40	15°26	1°29	3°59	24°17	15°18	7♈41	20° 3	2♈55	21♉46	22°55	23°53	28♓18	T 2
W 3	23 10 12	15°37'39	10♈38	17°15	2°11	4°24	24°30	15°23	7°38	20° 4	2°54	21°37	22°52	23°59	28°15	W 3
T 4	23 14 8	16°36'24	22°29	19° 2	2°54	4°49	24°43	15°28	7°36	20° 6	2°53	21°30	22°48	24° 6	28°12	T 4
F 5	23 18 5	17°35'11	4♉17	20°49	3°37	5°13	24°56	15°33	7°34	20° 7	2°51	21°26	22°45	24°13	28°10	F 5
S 6	23 22 1	18°34'01	16° 4	22°34	4°22	5°37	25° 9	15°38	7°32	20° 8	2°50	21°D25	22°42	24°19	28° 7	S 6
S 7	23 25 58	19°32'53	27°55	24°19	5° 8	6° 1	25°22	15°43	7°29	20°10	2°49	21°25	22°39	24°26	28° 4	S 7
M 8	23 29 54	20°31'47	9♊55	26° 3	5°54	6°24	25°35	15°48	7°27	20°11	2°48	21°25	22°36	24°33	28° 1	M 8
T 9	23 33 51	21°30'44	22° 9	27°46	6°42	6°46	25°48	15°53	7°25	20°12	2°47	21°R26	22°33	24°39	27°59	T 9
W10	23 37 47	22°29'43	4♋42	29°28	7°30	7° 8	26° 1	15°57	7°22	20°14	2°46	21°25	22°29	24°46	27°56	W10
T 11	23 41 44	23°28'44	17°40	1♌ 9	8°19	7°30	26°14	16° 2	7°20	20°15	2°45	21°22	22°26	24°53	27°53	T 11
F 12	23 45 40	24°27'48	1♌ 5	2°49	9° 9	7°51	26°27	16° 6	7°18	20°16	2°43	21°17	22°23	24°59	27°50	F 12
S 13	23 49 37	25°26'54	14°59	4°29	10° 0	8°12	26°40	16°10	7°15	20°17	2°42	21°10	22°20	25° 6	27°47	S 13
S 14	23 53 34	26°26'02	29°21	6° 7	10°51	8°32	26°53	16°15	7°13	20°18	2°41	21° 2	22°17	25°13	27°45	S 14
M15	23 57 30	27°25'13	14♍ 7	7°45	11°43	8°51	27° 6	16°19	7°11	20°19	2°40	20°53	22°13	25°19	27°42	M15
T 16	0 1 27	28°24'25	29° 9	9°22	12°36	9°10	27°19	16°23	7° 8	20°21	2°39	20°46	22°10	25°26	27°39	T 16
W17	0 5 23	29°23'40	14♎17	10°58	13°29	9°29	27°32	16°27	7° 6	20°22	2°38	20°39	22° 7	25°33	27°36	W17
T 18	0 9 20	0♎22'57	29°22	12°33	14°24	9°47	27°45	16°31	7° 3	20°23	2°36	20°35	22° 4	25°39	27°33	T 18
F 19	0 13 16	1°22'15	14♏15	14° 7	15°18	10° 4	27°58	16°35	7° 1	20°24	2°35	20°D34	22° 1	25°46	27°31	F 19
S 20	0 17 13	2°21'36	28°49	15°41	16°13	10°21	28°11	16°38	6°59	20°25	2°34	20°34	21°58	25°53	27°28	S 20
S 21	0 21 9	3°20'58	13♐ 1	17°14	17° 9	10°37	28°24	16°42	6°56	20°25	2°33	20°35	21°54	25°59	27°25	S 21
M22	0 25 6	4°20'22	26°51	18°47	18° 6	10°52	28°37	16°45	6°54	20°26	2°32	20°36	21°51	26° 6	27°22	M22
T 23	0 29 3	5°19'48	10♑18	20°18	19° 3	11° 7	28°50	16°49	6°51	20°27	2°31	20°R36	21°48	26°13	27°20	T 23
W24	0 32 59	6°19'16	23°25	21°49	20° 0	11°21	29° 3	16°52	6°49	20°28	2°29	20°34	21°45	26°19	27°17	W24
T 25	0 36 56	7°18'46	6♒15	23°19	20°58	11°35	29°16	16°55	6°46	20°29	2°28	20°31	21°42	26°26	27°14	T 25
F 26	0 40 52	8°18'17	18°50	24°48	21°57	11°48	29°29	16°58	6°44	20°30	2°27	20°25	21°39	26°32	27°11	F 26
S 27	0 44 49	9°17'50	1♓13	26°17	22°55	12° 0	29°42	17° 1	6°41	20°30	2°26	20°19	21°35	26°39	27° 9	S 27
S 28	0 48 45	10°17'25	13°25	27°45	23°55	12°12	29°55	17° 4	6°39	20°31	2°25	20°11	21°32	26°46	27° 6	S 28
M29	0 52 42	11°17'02	25°29	29°12	24°55	12°23	0♎ 8	17° 7	6°37	20°32	2°24	20° 4	21°29	26°52	27° 3	M29
T 30	0 56 38	12♎16'41	7♈27	0♏39	25♌55	12♊33	0♎21	17♋10	6♈34	20♋32	2♈23	19♉57	21♉26	26♈59	27♓ 0	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	6n27	9s33	4s35	7n55	1n34	16n 1	4s 9	19n50	1s 9	3n25	1n 9	22n27	0s15	2n25	0s43	21n39	0s25	14s48	17s28	18n21	18n36	6n56	2n36	3n34
T 2	6 4	4 14	4 2	7 9	1 30	16 0	4 1	19 56	1 8	3 20	1 9	22 26	0 15	2 24	0 43	21 38	0 25	14 49	17 28	18 18	18 36	6 59	2 35	3 34
W 3	5 42	1n10	3 19	6 23	1 26	15 59	3 53	20 2	1 7	3 14	1 9	22 25	0 15	2 23	0 43	21 38	0 25	14 49	17 28	18 15	18 35	7 2	2 34	3 34
T 4	5 19	6 30	2 28	5 36	1 21	15 57	3 45	20 8	1 5	3 9	1 8	22 25	0 15	2 22	0 43	21 38	0 25	14 50	17 28	18 14	18 34	7 5	2 33	3 34
F 5	4 56	11 36	1 30	4 50	1 16	15 55	3 37	20 14	1 4	3 4	1 8	22 24	0 14	2 21	0 43	21 38	0 25	14 50	17 28	18 13	18 33	7 9	2 32	3 34
S 6	4 33	16 16	0 29	4 3	1 11	15 53	3 29	20 19	1 3	2 59	1 8	22 24	0 14	2 20	0 43	21 38	0 25	14 51	17 28	18 12	18 32	7 12	2 31	3 34
S 7	4 9	20 22	0n35	3 16	1 5	15 49	3 21	20 25	1 1	2 54	1 8	22 23	0 14	2 20	0 43	21 37	0 25	14 51	17 28	18 12	18 32	7 15	2 30	3 34
M 8	3 46	23 39	1 37	2 29	1 0	15 46	3 13	20 30	1 0	2 49	1 8	22 23	0 14	2 19	0 43	21 37	0 25	14 52	17 28	18 12	18 31	7 18	2 28	3 34
T 9	3 23	25 56	2 37	1 43	0 54	15 42	3 6	20 35	0 59	2 43	1 8	22 22	0 14	2 18	0 43	21 37	0 25	14 53	17 28	18 13	18 30	7 21	2 27	3 34
W10	3 0	26 59	3 30	0 56	0 48	15 37	2 58	20 40	0 57	2 38	1 8	22 22	0 14	2 17	0 43	21 37	0 25	14 53	17 28	18 12	18 29	7 24	2 26	3 34
T 11	2 36	26 36	4 15	0 10	0 41	15 32	2 50	20 45	0 56	2 33	1 8	22 22	0 14	2 16	0 43	21 37	0 25	14 54	17 28	18 12	18 28	7 28	2 25	3 34
F 12	2 13	24 41	4 47	0s36	0 35	15 27	2 42	20 50	0 54	2 28	1 8	22 21	0 14	2 15	0 43	21 36	0 25	14 54	17 29	18 10	18 27	7 31	2 24	3 34
S 13	1 49	21 16	5 4	1 21	0 28	15 21	2 35	20 55	0 53	2 23	1 8	22 21	0 14	2 14	0 43	21 36	0 25	14 55	17 29	18 9	18 27	7 34	2 23	3 33
S 14	1 25	16 28	5 3	2 7	0 22	15 14	2 27	20 59	0 51	2 17	1 8	22 20	0 14	2 13	0 43	21 36	0 25	14 55	17 29	18 6	18 26	7 37	2 22	3 33
M15	1 2	10 36	4 42	2 52	0 15	15 7	2 20	21 4	0 50	2 12	1 8	22 20	0 14	2 12	0 43	21 36	0 25	14 56	17 29	18 4	18 25	7 40	2 20	3 33
T 16	0 38	4 1	4 1	3 36	0 8	15 0	2 12	21 8	0 48	2 7	1 8	22 19	0 14	2 11	0 43	21 36	0 25	14 56	17 29	18 2	18 24	7 43	2 19	3 33
W17	0 15	2s52	3 2	4 20	0 1	14 51	2 5	21 13	0 47	2 2	1 9	22 19	0 14	2 10	0 43	21 36	0 25	14 56	17 29	18 0	18 23	7 47	2 18	3 33
T 18	0s 9	9 34	1 52	5 4	0s 6	14 43	1 58	21 17	0 45	1 57	1 9	22 19	0 14	2 9	0 43	21 35	0 25	14 57	17 29	17 59	18 23	7 50	2 17	3 33
F 19	0 33	15 39	0 34	5 48	0 13	14 34	1 51	21 21	0 43	1 52	1 9	22 18	0 13	2 8	0 43	21 35	0 25	14 57	17 29	17 59	18 22	7 53	2 16	3 33
S 20	0 57	20 43	0s45	6 31	0 20	14 24	1 44	21 25	0 42	1 46	1 9	22 18	0 13	2 7	0 43	21 35	0 25	14 58	17 29	17 59	18 21	7 56	2 14	3 33
S 21	1 20	24 26	1 58	7 13	0 27	14 14	1 37	21 29	0 40	1 41	1 9	22 17	0 13	2 6	0 43	21 35	0 25	14 58	17 29	17 59	18 20	7 59	2 13	3 33
M22	1 44	26 35	3 3	7 55	0 34	14 3	1 30	21 33	0 38	1 36	1 9	22 17	0 13	2 5	0 43	21 35	0 25	14 59	17 29	17 59	18 19	8 2	2 12	3 33
T 23	2 8	27 5	3 56	8 36	0 41	13 52	1 23	21 37	0 36	1 31	1 9	22 17	0 13	2 4	0 43	21 35	0 25	14 59	17 29	17 59	18 18	8 5	2 11	3 33
W24	2 31	26 2	4 36	9 17	0 48	13 41	1 16	21 41	0 35	1 26	1 9	22 16	0 13	2 3	0 43	21 35	0 25	15 0	17 29	17 59	18 18	8 9	2 10	3 33
T 25	2 55	23 38	5 0	9 57	0 55	13 29	1 10	21 45	0 33	1 21	1 9	22 16	0 13	2 2	0 43	21 34	0 25	15 0	17 29	17 58	18 17	8 12	2 9	3 33
F 26	3 19	20 9	5 9	10 37	1 2	13 16	1 3	21 48	0 31	1 15	1 9	22 16	0 13	2 2	0 43	21 34	0 25	15 1	17 29	17 57	18 16	8 15	2 7	3 32
S 27	3 42	15 49	5 4	11 16	1 9	13 3	0 57	21 52	0 29	1 10	1 9	22 15	0 13	2 1	0 43	21 34	0 25	15 1	17 29	17 55	18 15	8 18	2 6	3 32
S 28	4 6	10 55	4 45	11 54	1 15	12 49	0 50	21 55	0 27	1 5	1 9	22 15	0 13	2 0	0 43	21 34	0 25	15 1	17 29	17 53	18 14	8 21	2 5	3 32
M29	4 29	5 40	4 13	12 31	1 22	12 35	0 44	21 59	0 25	1 0	1 9	22 15	0 13	1 59	0 43	21 34	0 25	15 2	17 28	17 51	18 13	8 24	2 4	3 32
T 30	4s53	0s15	3s30	13s 8	1s29	12n21	0s38	22n 2	0s23	0n55	1n 9	22n15	0s13	1n58	0s43	21n34	0s25	15s 2	17s28	17n49	18n13	8n28	2n 3	3n32

Julian Day Number = 2119788.5, Delta T = 18m10s
Ecliptic obliquity = 23°33'31, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°04'40, Lahiri = 11°11'40 Julian Calendar 1 Sept. 1091 == Greg. Calendar 7 Sept. 1091

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1091
geocentric

OCTOBER 1091 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 0 35	13♎16'22	19♈19	2♏ 5	26♌56	12♊43	0♎33	17♋12	6°R32	20♋33	2°R21	19°R52	21♉23	27♈ 6	26°R58	W 1
T 2	1 4 32	14°16'05	1♉ 7	3°29	27°57	12°51	0°46	17°15	6♈29	20°33	2♈20	19♉48	21°19	27°12	26♓55	T 2
F 3	1 8 28	15°15'50	12°55	4°54	28°58	12°59	0°59	17°17	6°27	20°34	2°19	19°46	21°16	27°19	26°53	F 3
S 4	1 12 25	16°15'38	24°44	6°17	0♍ 0	13° 7	1°12	17°20	6°24	20°35	2°18	19°D46	21°13	27°26	26°50	S 4
S 5	1 16 21	17°15'27	6♊37	7°39	1° 3	13°13	1°25	17°22	6°22	20°35	2°17	19°47	21°10	27°32	26°47	S 5
M 6	1 20 18	18°15'19	18°39	9° 1	2° 5	13°19	1°37	17°24	6°20	20°35	2°16	19°49	21° 7	27°39	26°45	M 6
T 7	1 24 14	19°15'13	0♋53	10°21	3° 8	13°24	1°50	17°26	6°17	20°36	2°15	19°51	21° 4	27°46	26°42	T 7
W 8	1 28 11	20°15'09	13°24	11°40	4°12	13°28	2° 3	17°28	6°15	20°36	2°14	19°52	21° 0	27°52	26°40	W 8
T 9	1 32 7	21°15'08	26°17	12°58	5°15	13°31	2°16	17°30	6°13	20°37	2°12	19°R52	20°57	27°59	26°37	T 9
F 10	1 36 4	22°15'08	9♌34	14°15	6°20	13°34	2°28	17°31	6°10	20°37	2°11	19°51	20°54	28° 6	26°35	F 10
S 11	1 40 1	23°15'11	23°20	15°31	7°24	13°35	2°41	17°33	6° 8	20°37	2°10	19°48	20°51	28°12	26°32	S 11
S 12	1 43 57	24°15'16	7♍34	16°44	8°29	13°R36	2°53	17°34	6° 6	20°37	2° 9	19°45	20°48	28°19	26°30	S 12
M13	1 47 54	25°15'23	22°13	17°57	9°33	13°36	3° 6	17°35	6° 3	20°38	2° 8	19°42	20°44	28°26	26°28	M13
T 14	1 51 50	26°15'33	7♎13	19° 7	10°39	13°35	3°19	17°37	6° 1	20°38	2° 7	19°38	20°41	28°32	26°25	T 14
W15	1 55 47	27°15'44	22°26	20°15	11°44	13°33	3°31	17°38	5°59	20°38	2° 6	19°36	20°38	28°39	26°23	W15
T 16	1 59 43	28°15'57	7♏40	21°22	12°50	13°31	3°43	17°39	5°57	20°38	2° 5	19°34	20°35	28°46	26°21	T 16
F 17	2 3 40	29°16'12	22°47	22°25	13°56	13°27	3°56	17°40	5°54	20°38	2° 4	19°D34	20°32	28°52	26°18	F 17
S 18	2 7 36	0♏16'28	7♐38	23°26	15° 2	13°23	4° 8	17°40	5°52	20°R38	2° 3	19°35	20°29	28°59	26°16	S 18
S 19	2 11 33	1°16'47	22° 6	24°23	16° 9	13°17	4°20	17°41	5°50	20°38	2° 2	19°36	20°25	29° 6	26°14	S 19
M20	2 15 30	2°17'07	6♑ 8	25°17	17°16	13°11	4°33	17°42	5°48	20°38	2° 1	19°37	20°22	29°12	26°12	M20
T 21	2 19 26	3°17'28	19°43	26° 7	18°23	13° 4	4°45	17°42	5°46	20°38	2° 0	19°38	20°19	29°19	26°10	T 21
W22	2 23 23	4°17'51	2♒54	26°52	19°30	12°56	4°57	17°42	5°44	20°38	1°59	19°R39	20°16	29°26	26° 8	W22
T 23	2 27 19	5°18'15	15°42	27°32	20°38	12°47	5° 9	17°43	5°42	20°38	1°58	19°38	20°13	29°32	26° 6	T 23
F 24	2 31 16	6°18'40	28°12	28° 7	21°45	12°37	5°21	17°R43	5°40	20°37	1°57	19°37	20°10	29°39	26° 4	F 24
S 25	2 35 12	7°19'07	10♓27	28°35	22°53	12°27	5°33	17°43	5°38	20°37	1°56	19°36	20° 6	29°46	26° 2	S 25
S 26	2 39 9	8°19'36	22°30	28°56	24° 1	12°15	5°45	17°42	5°36	20°37	1°55	19°34	20° 3	29°52	26° 0	S 26
M27	2 43 5	9°20'05	4♈26	29°10	25° 9	12° 3	5°57	17°42	5°34	20°37	1°54	19°33	20° 0	29°59	25°58	M27
T 28	2 47 2	10°20'36	16°17	29°R15	26°18	11°50	6° 9	17°42	5°32	20°36	1°54	19°31	19°57	0♉ 5	25°56	T 28
W29	2 50 59	11°21'09	28° 5	29°10	27°27	11°36	6°21	17°41	5°30	20°36	1°53	19°30	19°54	0°12	25°54	W29
T 30	2 54 55	12°21'43	9♉54	28°56	28°36	11°21	6°33	17°41	5°28	20°36	1°52	19°30	19°50	0°19	25°53	T 30
F 31	2 58 52	13♏22'19	21♉45	28♏32	29♍45	11♊ 6	6♎44	17♋40	5♈27	20♋35	1♈51	19°D30	19♉47	0♉25	25♓51	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s16	5n 9	2s38	13s44	1s35	12n 6	0s32	22n 5	0s21	0n50	1n 9	22n14	0s13	1n57	0s43	21n34	0s25	15s 3	17s28	17n47	18n12	8n31	2n 1	3n32
T 2	5 39	10 22	1 40	14 20	1 41	11 50	0 26	22 8	0 19	0 45	1 9	22 14	0 12	1 56	0 43	21 34	0 25	15 3	17 28	17 47	18 11	8 34	2 0	3 32
F 3	6 2	15 12	0 37	14 54	1 47	11 34	0 20	22 12	0 17	0 40	1 9	22 14	0 12	1 55	0 43	21 34	0 25	15 3	17 28	17 46	18 10	8 37	1 59	3 32
S 4	6 26	19 29	0n27	15 28	1 53	11 18	0 14	22 15	0 15	0 35	1 9	22 14	0 12	1 54	0 43	21 34	0 25	15 4	17 28	17 46	18 9	8 40	1 58	3 31
S 5	6 49	23 1	1 31	16 1	1 59	11 1	0 9	22 18	0 12	0 30	1 9	22 13	0 12	1 53	0 43	21 33	0 25	15 4	17 28	17 46	18 8	8 43	1 57	3 31
M 6	7 12	25 35	2 32	16 32	2 5	10 44	0 3	22 21	0 10	0 24	1 9	22 13	0 12	1 52	0 43	21 33	0 25	15 4	17 28	17 47	18 8	8 46	1 56	3 31
T 7	7 34	27 0	3 27	17 3	2 10	10 26	0n 2	22 23	0 8	0 19	1 9	22 13	0 12	1 51	0 43	21 33	0 25	15 5	17 28	17 47	18 7	8 50	1 55	3 31
W 8	7 57	27 5	4 13	17 33	2 15	10 8	0 8	22 26	0 6	0 14	1 9	22 13	0 12	1 50	0 43	21 33	0 25	15 5	17 28	17 48	18 6	8 53	1 53	3 31
T 9	8 20	25 43	4 48	18 2	2 20	9 50	0 13	22 29	0 3	0 9	1 9	22 13	0 12	1 49	0 43	21 33	0 25	15 5	17 28	17 48	18 5	8 56	1 52	3 31
F 10	8 42	22 54	5 9	18 30	2 25	9 31	0 18	22 32	0 1	0 4	1 9	22 13	0 12	1 48	0 43	21 33	0 25	15 6	17 27	17 47	18 4	8 59	1 51	3 31
S 11	9 5	18 44	5 14	18 56	2 29	9 11	0 23	22 34	0n 1	0s 1	1 9	22 12	0 12	1 47	0 43	21 33	0 25	15 6	17 27	17 47	18 3	9 2	1 50	3 30
S 12	9 27	13 24	4 59	19 22	2 33	8 52	0 28	22 37	0 4	0 6	1 10	22 12	0 12	1 46	0 43	21 33	0 25	15 6	17 27	17 46	18 3	9 5	1 49	3 30
M13	9 49	7 10	4 25	19 46	2 37	8 32	0 32	22 39	0 6	0 10	1 10	22 12	0 12	1 46	0 43	21 33	0 25	15 7	17 27	17 45	18 2	9 8	1 48	3 30
T 14	10 11	0 22	3 33	20 9	2 40	8 11	0 37	22 42	0 9	0 15	1 10	22 12	0 12	1 45	0 43	21 33	0 25	15 7	17 27	17 44	18 1	9 12	1 47	3 30
W15	10 33	6s32	2 24	20 30	2 42	7 50	0 42	22 44	0 11	0 20	1 10	22 12	0 11	1 44	0 43	21 33	0 25	15 7	17 27	17 43	18 0	9 15	1 46	3 30
T 16	10 55	13 7	1 5	20 50	2 45	7 29	0 46	22 46	0 14	0 25	1 10	22 12	0 11	1 43	0 43	21 33	0 25	15 7	17 27	17 43	17 59	9 18	1 45	3 30
F 17	11 16	18 51	0s18	21 9	2 46	7 8	0 50	22 48	0 17	0 30	1 10	22 12	0 11	1 42	0 43	21 33	0 25	15 8	17 26	17 43	17 58	9 21	1 44	3 29
S 18	11 37	23 18	1 38	21 25	2 47	6 46	0 55	22 50	0 19	0 35	1 10	22 12	0 11	1 41	0 43	21 33	0 25	15 8	17 26	17 43	17 57	9 24	1 43	3 29
S 19	11 59	26 9	2 50	21 40	2 48	6 23	0 59	22 52	0 22	0 40	1 10	22 12	0 11	1 40	0 43	21 33	0 25	15 8	17 26	17 43	17 57	9 27	1 41	3 29
M20	12 20	27 15	3 50	21 53	2 48	6 1	1 3	22 54	0 25	0 45	1 10	22 12	0 11	1 40	0 43	21 33	0 25	15 8	17 26	17 44	17 56	9 30	1 40	3 29
T 21	12 40	26 38	4 35	22 4	2 47	5 38	1 7	22 56	0 27	0 49	1 10	22 12	0 11	1 39	0 43	21 33	0 25	15 9	17 26	17 44	17 55	9 33	1 39	3 29
W22	13 1	24 31	5 3	22 13	2 45	5 15	1 10	22 58	0 30	0 54	1 10	22 12	0 11	1 38	0 43	21 33	0 25	15 9	17 25	17 44	17 54	9 37	1 38	3 29
T 23	13 21	21 14	5 16	22 20	2 42	4 52	1 14	22 59	0 33	0 59	1 10	22 12	0 11	1 37	0 43	21 33	0 25	15 9	17 25	17 44	17 53	9 40	1 37	3 28
F 24	13 41	17 3	5 13	22 24	2 38	4 28	1 17	23 1	0 36	1 4	1 11	22 12	0 11	1 36	0 43	21 33	0 25	15 9	17 25	17 44	17 52	9 43	1 37	3 28
S 25	14 1	12 15	4 56	22 26	2 33	4 4	1 21	23 2	0 39	1 8	1 11	22 12	0 11	1 36	0 43	21 33	0 25	15 9	17 25	17 43	17 51	9 46	1 36	3 28
S 26	14 21	7 3	4 26	22 25	2 27	3 40	1 24	23 4	0 42	1 13	1 11	22 12	0 11	1 35	0 43	21 33	0 25	15 9	17 25	17 43	17 51	9 49	1 35	3 28
M27	14 41	1 40	3 45	22 20	2 19	3 16	1 27	23 5	0 44	1 18	1 11	22 12	0 11	1 34	0 43	21 33	0 25	15 10	17 24	17 42	17 50	9 52	1 34	3 28
T 28	15 0	3n45	2 54	22 13	2 10	2 52	1 30	23 6	0 47	1 22	1 11	22 13	0 10	1 33	0 43	21 33	0 25	15 10	17 24	17 42	17 49	9 55	1 33	3 27
W29	15 19	9 2	1 56	22 1	2 0	2 27	1 33	23 7	0 50	1 27	1 11	22 13	0 10	1 33	0 43	21 33	0 25	15 10	17 24	17 42	17 48	9 58	1 32	3 27
T 30	15 37	14 1	0 53	21 47	1 48	2 2	1 36	23 8	0 53	1 31	1 11	22 13	0 10	1 32	0 43	21 33	0 25	15 10	17 24	17 42	17 47	10 1	1 31	3 27
F 31	15s56	18n30	0n13	21s28	1s34	1n37	1n39	23n 9	0n56	1s36	1n11	22n13	0s10	1n31	0s43	21n33	0s25	15s10	17s23	17n41	17n46	10n 5	1n30	3n27

Julian Day Number = 2119818.5, Delta T = 18m09s
Ecliptic obliquity = 23°33'32, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°04'44, Lahiri = 11°11'44 Julian Calendar 1 Oct. 1091 == Greg. Calendar 7 Oct. 1091

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1091
geocentric

NOVEMBER 1091 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 2 48	14♏22'56	3♊40	27°R57	0♎54	10°R50	6♎56	17°R39	5°R25	20°R35	1°R50	19♉30	19♉44	0♉32	25°R49	S 1
S 2	3 6 45	15°23'35	15°41	27♏12	2° 3	10♊33	7° 7	17♋38	5♈23	20♋34	1♈49	19°30	19°41	0°39	25♓48	S 2
M 3	3 10 41	16°24'16	27°51	26°16	3°13	10°15	7°19	17°37	5°21	20°34	1°49	19°31	19°38	0°45	25°46	M 3
T 4	3 14 38	17°24'58	10♋13	25°12	4°23	9°57	7°30	17°36	5°20	20°33	1°48	19°31	19°35	0°52	25°45	T 4
W 5	3 18 34	18°25'42	22°49	23°59	5°32	9°38	7°42	17°35	5°18	20°33	1°47	19°31	19°31	0°59	25°43	W 5
T 6	3 22 31	19°26'27	5♌42	22°41	6°43	9°18	7°53	17°33	5°17	20°32	1°46	19°R31	19°28	1° 5	25°42	T 6
F 7	3 26 28	20°27'14	18°55	21°20	7°53	8°58	8° 4	17°32	5°15	20°31	1°46	19°D31	19°25	1°12	25°41	F 7
S 8	3 30 24	21°28'02	2♍30	19°58	9° 3	8°38	8°15	17°30	5°14	20°31	1°45	19°31	19°22	1°19	25°39	S 8
S 9	3 34 21	22°28'52	16°29	18°38	10°14	8°16	8°26	17°29	5°12	20°30	1°44	19°31	19°19	1°25	25°38	S 9
M10	3 38 17	23°29'44	0♎51	17°22	11°24	7°55	8°37	17°27	5°11	20°29	1°44	19°32	19°16	1°32	25°37	M10
T 11	3 42 14	24°30'37	15°34	16°14	12°35	7°33	8°48	17°25	5° 9	20°29	1°43	19°32	19°12	1°39	25°36	T 11
W12	3 46 10	25°31'31	0♏31	15°14	13°46	7°10	8°59	17°23	5° 8	20°28	1°42	19°32	19° 9	1°45	25°35	W12
T 13	3 50 7	26°32'27	15°37	14°25	14°57	6°48	9°10	17°21	5° 7	20°27	1°42	19°R33	19° 6	1°52	25°34	T 13
F 14	3 54 3	27°33'24	0♐42	13°47	16° 8	6°25	9°20	17°19	5° 6	20°26	1°41	19°33	19° 3	1°59	25°33	F 14
S 15	3 58 0	28°34'22	15°36	13°21	17°19	6° 2	9°31	17°16	5° 4	20°25	1°41	19°32	19° 0	2° 5	25°32	S 15
S 16	4 1 57	29°35'21	0♑13	13° 6	18°31	5°38	9°41	17°14	5° 3	20°24	1°40	19°31	18°56	2°12	25°31	S 16
M17	4 5 53	0♐36'21	14°27	13°D 2	19°42	5°15	9°52	17°11	5° 2	20°23	1°39	19°30	18°53	2°19	25°30	M17
T 18	4 9 50	1°37'22	28°13	13° 8	20°54	4°52	10° 2	17° 9	5° 1	20°22	1°39	19°28	18°50	2°25	25°29	T 18
W19	4 13 46	2°38'23	11♒33	13°24	22° 5	4°28	10°12	17° 6	5° 0	20°21	1°38	19°27	18°47	2°32	25°29	W19
T 20	4 17 43	3°39'25	24°27	13°49	23°17	4° 5	10°22	17° 3	4°59	20°20	1°38	19°26	18°44	2°38	25°28	T 20
F 21	4 21 39	4°40'27	6♓58	14°22	24°29	3°41	10°32	17° 0	4°58	20°19	1°38	19°D26	18°41	2°45	25°27	F 21
S 22	4 25 36	5°41'30	19°12	15° 1	25°41	3°18	10°42	16°57	4°57	20°18	1°37	19°26	18°37	2°52	25°27	S 22
S 23	4 29 32	6°42'34	1♈13	15°47	26°53	2°55	10°52	16°54	4°57	20°17	1°37	19°27	18°34	2°58	25°26	S 23
M24	4 33 29	7°43'38	13° 5	16°38	28° 5	2°33	11° 2	16°51	4°56	20°16	1°36	19°29	18°31	3° 5	25°26	M24
T 25	4 37 26	8°44'42	24°52	17°35	29°17	2°10	11°11	16°48	4°55	20°15	1°36	19°31	18°28	3°12	25°26	T 25
W26	4 41 22	9°45'47	6♉40	18°35	0♏30	1°48	11°21	16°44	4°55	20°14	1°36	19°32	18°25	3°18	25°25	W26
T 27	4 45 19	10°46'53	18°31	19°39	1°42	1°27	11°30	16°41	4°54	20°12	1°35	19°R32	18°22	3°25	25°25	T 27
F 28	4 49 15	11°47'59	0♊28	20°47	2°55	1° 6	11°40	16°37	4°53	20°11	1°35	19°32	18°18	3°32	25°25	F 28
S 29	4 53 12	12°49'06	12°33	21°57	4° 7	0°45	11°49	16°34	4°53	20°10	1°35	19°30	18°15	3°38	25°25	S 29
S 30	4 57 8	13♐50'13	24♊48	23♏10	5♏20	0♊25	11♎58	16♋30	4♈52	20♋ 9	1♈35	19♉27	18♉12	3♉45	25♓25	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s14	22n16	1n18	21s 5	1s19	1n11	1n41	23n 9	0n59	1s40	1n11	22n13	0s10	1n31	0s43	21n33	0s25	15s10	17s23	17n42	17n45	10n 8	1n29	3n27
S 2	16 32	25 7	2 21	20 38	1 2	0 46	1 44	23 10	1 2	1 45	1 12	22 13	0 10	1 30	0 42	21 34	0 25	15 10	17 23	17 42	17 45	10 11	1 29	3 26
M 3	16 50	26 50	3 18	20 8	0 44	0 20	1 46	23 10	1 5	1 49	1 12	22 14	0 10	1 29	0 42	21 34	0 25	15 10	17 23	17 42	17 44	10 14	1 28	3 26
T 4	17 7	27 15	4 6	19 33	0 25	0s 5	1 48	23 10	1 8	1 54	1 12	22 14	0 10	1 29	0 42	21 34	0 25	15 10	17 22	17 42	17 43	10 17	1 27	3 26
W 5	17 24	26 17	4 44	18 56	0 4	0 31	1 50	23 10	1 11	1 58	1 12	22 14	0 10	1 28	0 42	21 34	0 25	15 10	17 22	17 42	17 42	10 20	1 26	3 26
T 6	17 41	23 55	5 9	18 17	0n16	0 57	1 52	23 10	1 14	2 2	1 12	22 14	0 10	1 28	0 42	21 34	0 25	15 10	17 22	17 42	17 41	10 23	1 25	3 25
F 7	17 57	20 15	5 18	17 36	0 37	1 23	1 54	23 10	1 17	2 7	1 12	22 15	0 10	1 27	0 42	21 34	0 25	15 10	17 21	17 42	17 40	10 26	1 25	3 25
S 8	18 13	15 27	5 10	16 55	0 57	1 50	1 56	23 9	1 19	2 11	1 12	22 15	0 9	1 26	0 42	21 34	0 25	15 10	17 21	17 42	17 39	10 29	1 24	3 25
S 9	18 29	9 42	4 44	16 15	1 16	2 16	1 58	23 9	1 22	2 15	1 12	22 15	0 9	1 26	0 42	21 34	0 25	15 10	17 21	17 42	17 39	10 32	1 23	3 25
M10	18 44	3 19	3 59	15 37	1 33	2 42	1 59	23 8	1 25	2 19	1 13	22 16	0 9	1 25	0 42	21 34	0 25	15 10	17 21	17 42	17 38	10 36	1 23	3 25
T 11	19 0	3s25	2 58	15 2	1 49	3 9	2 1	23 7	1 28	2 24	1 13	22 16	0 9	1 25	0 42	21 34	0 25	15 10	17 20	17 42	17 37	10 39	1 22	3 24
W12	19 14	10 5	1 44	14 32	2 3	3 35	2 2	23 6	1 31	2 28	1 13	22 16	0 9	1 24	0 42	21 34	0 25	15 10	17 20	17 42	17 36	10 42	1 21	3 24
T 13	19 29	16 15	0 22	14 7	2 14	4 1	2 3	23 5	1 33	2 32	1 13	22 17	0 9	1 24	0 42	21 35	0 25	15 10	17 20	17 42	17 35	10 45	1 21	3 24
F 14	19 43	21 24	1s 2	13 46	2 23	4 28	2 4	23 4	1 36	2 36	1 13	22 17	0 9	1 23	0 42	21 35	0 25	15 10	17 19	17 42	17 34	10 48	1 20	3 24
S 15	19 56	25 6	2 20	13 32	2 31	4 54	2 5	23 2	1 39	2 40	1 13	22 17	0 9	1 23	0 42	21 35	0 25	15 10	17 19	17 42	17 33	10 51	1 19	3 23
S 16	20 10	27 1	3 27	13 22	2 36	5 21	2 6	23 1	1 41	2 44	1 13	22 18	0 9	1 23	0 42	21 35	0 25	15 10	17 19	17 42	17 32	10 54	1 19	3 23
M17	20 23	27 5	4 20	13 18	2 40	5 47	2 7	22 59	1 44	2 48	1 14	22 18	0 9	1 22	0 42	21 35	0 25	15 10	17 18	17 41	17 32	10 57	1 18	3 23
T 18	20 35	25 26	4 56	13 18	2 41	6 14	2 8	22 57	1 46	2 52	1 14	22 19	0 9	1 22	0 42	21 35	0 25	15 10	17 18	17 41	17 31	11 0	1 18	3 23
W19	20 48	22 26	5 14	13 22	2 42	6 40	2 8	22 55	1 49	2 56	1 14	22 19	0 8	1 21	0 42	21 35	0 25	15 10	17 18	17 41	17 30	11 3	1 17	3 22
T 20	20 59	18 23	5 16	13 31	2 41	7 6	2 9	22 53	1 51	3 0	1 14	22 20	0 8	1 21	0 42	21 36	0 25	15 10	17 17	17 40	17 29	11 6	1 17	3 22
F 21	21 11	13 40	5 2	13 42	2 38	7 32	2 9	22 51	1 54	3 3	1 14	22 20	0 8	1 21	0 42	21 36	0 25	15 10	17 17	17 40	17 28	11 10	1 16	3 22
S 22	21 22	8 31	4 35	13 57	2 35	7 58	2 9	22 49	1 56	3 7	1 14	22 21	0 8	1 20	0 42	21 36	0 25	15 10	17 17	17 41	17 27	11 13	1 16	3 22
S 23	21 32	3 8	3 57	14 14	2 31	8 24	2 9	22 47	1 58	3 11	1 15	22 21	0 8	1 20	0 42	21 36	0 25	15 9	17 16	17 41	17 26	11 16	1 16	3 21
M24	21 42	2n18	3 8	14 33	2 26	8 50	2 9	22 44	2 0	3 14	1 15	22 21	0 8	1 20	0 42	21 36	0 25	15 9	17 16	17 41	17 25	11 19	1 15	3 21
T 25	21 52	7 38	2 12	14 54	2 21	9 16	2 9	22 42	2 2	3 18	1 15	22 22	0 8	1 20	0 42	21 36	0 25	15 9	17 16	17 42	17 25	11 22	1 15	3 21
W26	22 2	12 42	1 11	15 17	2 15	9 41	2 9	22 39	2 4	3 22	1 15	22 23	0 8	1 19	0 42	21 37	0 25	15 9	17 15	17 42	17 24	11 25	1 14	3 21
T 27	22 10	17 20	0 6	15 40	2 9	10 7	2 9	22 37	2 6	3 25	1 15	22 23	0 8	1 19	0 42	21 37	0 25	15 9	17 15	17 42	17 23	11 28	1 14	3 20
F 28	22 19	21 20	1n 0	16 4	2 2	10 32	2 8	22 34	2 8	3 29	1 15	22 24	0 8	1 19	0 42	21 37	0 25	15 8	17 15	17 42	17 22	11 31	1 14	3 20
S 29	22 27	24 27	2 3	16 29	1 55	10 57	2 8	22 31	2 10	3 32	1 16	22 24	0 8	1 19	0 42	21 37	0 25	15 8	17 14	17 42	17 21	11 34	1 13	3 20
S 30	22s34	26n29	3n 2	16s55	1n48	11s22	2n 7	22n29	2n11	3s35	1n16	22n25	0s 7	1n19	0s42	21n37	0s25	15s 8	17s14	17n41	17n20	11n37	1n13	3n20

Julian Day Number = 2119849.5, Delta T = 18m09s
Ecliptic obliquity = 23°33'31, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°04'48, Lahiri = 11°11'48 Julian Calendar 1 Nov. 1091 == Greg. Calendar 7 Nov. 1091

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1091
geocentric

DECEMBER 1091 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 1 5	14♐51'21	7♋14	24♏25	6♏32	0°R 5	12♎ 7	16°R26	4°R52	20°R 7	1°R34	19°R23	18♉ 9	3♉52	25°D25	M 1
T 2	5 5 1	15°52'30	19°52	25°42	7°45	29♉46	12°16	16♋22	4♈52	20♋ 6	1♈34	19♉19	18° 6	3°58	25♓25	T 2
W 3	5 8 58	16°53'39	2♌42	27° 1	8°58	29°27	12°24	16°19	4°51	20° 5	1°34	19°14	18° 2	4° 5	25°25	W 3
T 4	5 12 55	17°54'49	15°46	28°21	10°11	29° 9	12°33	16°15	4°51	20° 3	1°34	19°10	17°59	4°12	25°25	T 4
F 5	5 16 51	18°55'59	29° 5	29°42	11°24	28°52	12°41	16°11	4°51	20° 2	1°34	19° 7	17°56	4°18	25°25	F 5
S 6	5 20 48	19°57'09	12♍38	1♐ 5	12°37	28°36	12°50	16° 6	4°51	20° 1	1°34	19° 6	17°53	4°25	25°25	S 6
S 7	5 24 44	20°58'21	26°28	2°28	13°50	28°20	12°58	16° 2	4°51	19°59	1°33	19°D 6	17°50	4°32	25°26	S 7
M 8	5 28 41	21°59'33	10♎33	3°53	15° 3	28° 5	13° 6	15°58	4°D51	19°58	1°33	19° 7	17°47	4°38	25°26	M 8
T 9	5 32 37	23° 0'45	24°53	5°18	16°17	27°50	13°14	15°54	4°51	19°56	1°33	19° 8	17°43	4°45	25°27	T 9
W10	5 36 34	24° 1'58	9♏26	6°44	17°30	27°37	13°22	15°49	4°51	19°55	1°D33	19°10	17°40	4°52	25°27	W10
T 11	5 40 30	25° 3'11	24° 8	8°11	18°43	27°24	13°30	15°45	4°51	19°53	1°33	19°R10	17°37	4°58	25°28	T 11
F 12	5 44 27	26° 4'25	8♐52	9°38	19°56	27°12	13°37	15°40	4°51	19°52	1°33	19° 8	17°34	5° 5	25°28	F 12
S 13	5 48 24	27° 5'38	23°33	11° 6	21°10	27° 0	13°45	15°36	4°51	19°50	1°33	19° 5	17°31	5°11	25°29	S 13
S 14	5 52 20	28° 6'52	8♑ 3	12°35	22°23	26°50	13°52	15°31	4°51	19°49	1°33	19° 0	17°28	5°18	25°30	S 14
M15	5 56 17	29° 8'06	22°16	14° 4	23°37	26°40	13°59	15°27	4°52	19°47	1°34	18°53	17°24	5°25	25°30	M15
T 16	6 0 13	0♑ 9'19	6♒ 5	15°34	24°50	26°32	14° 6	15°22	4°52	19°46	1°34	18°46	17°21	5°31	25°31	T 16
W17	6 4 10	1°10'33	19°30	17° 4	26° 4	26°24	14°13	15°17	4°53	19°44	1°34	18°39	17°18	5°38	25°32	W17
T 18	6 8 6	2°11'45	2♓29	18°34	27°18	26°16	14°20	15°13	4°53	19°42	1°34	18°34	17°15	5°45	25°33	T 18
F 19	6 12 3	3°12'57	15° 5	20° 5	28°31	26°10	14°26	15° 8	4°54	19°41	1°34	18°30	17°12	5°51	25°34	F 19
S 20	6 16 0	4°14'09	27°22	21°36	29°45	26° 5	14°33	15° 3	4°54	19°39	1°34	18°28	17° 8	5°58	25°35	S 20
S 21	6 19 56	5°15'20	9♈23	23° 8	0♐59	26° 0	14°39	14°58	4°55	19°38	1°35	18°D28	17° 5	6° 5	25°36	S 21
M22	6 23 53	6°16'31	21°15	24°40	2°12	25°56	14°45	14°53	4°55	19°36	1°35	18°29	17° 2	6°11	25°37	M22
T 23	6 27 49	7°17'41	3♉ 3	26°13	3°26	25°53	14°51	14°49	4°56	19°34	1°35	18°30	16°59	6°18	25°39	T 23
W24	6 31 46	8°18'50	14°51	27°46	4°40	25°51	14°57	14°44	4°57	19°33	1°35	18°R31	16°56	6°25	25°40	W24
T 25	6 35 42	9°19'59	26°44	29°20	5°54	25°50	15° 3	14°39	4°58	19°31	1°36	18°31	16°53	6°31	25°41	T 25
F 26	6 39 39	10°21'07	8♊47	0♑54	7° 8	25°D49	15° 8	14°34	4°59	19°29	1°36	18°28	16°49	6°38	25°43	F 26
S 27	6 43 35	11°22'15	21° 3	2°28	8°22	25°49	15°14	14°29	5° 0	19°28	1°37	18°24	16°46	6°45	25°44	S 27
S 28	6 47 32	12°23'22	3♋32	4° 3	9°35	25°50	15°19	14°24	5° 1	19°26	1°37	18°16	16°43	6°51	25°45	S 28
M29	6 51 29	13°24'28	16°18	5°39	10°49	25°52	15°24	14°19	5° 2	19°24	1°37	18° 7	16°40	6°58	25°47	M29
T 30	6 55 25	14°25'34	29°18	7°15	12° 3	25°54	15°29	14°14	5° 3	19°23	1°38	17°57	16°37	7° 4	25°49	T 30
W31	6 59 22	15♑26'39	12♌32	8♑51	13♐17	25♉57	15♎34	14♋ 9	5♈ 4	19♋21	1♈38	17♉46	16♉34	7♉11	25♓50	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s42	27n14	3n53	17s21	1n41	11s46	2n 7	22n26	2n13	3s39	1n16	22n25	0s 7	1n19	0s41	21n38	0s25	15s 8	17s14	17n40	17n19	11n40	1n13	3n19
T 2	22 48	26 35	4 33	17 46	1 33	12 11	2 6	22 23	2 15	3 42	1 16	22 26	0 7	1 18	0 41	21 38	0 25	15 8	17 13	17 39	17 18	11 43	1 13	3 19
W 3	22 55	24 31	5 0	18 12	1 25	12 35	2 5	22 21	2 16	3 45	1 16	22 26	0 7	1 18	0 41	21 38	0 25	15 7	17 13	17 37	17 17	11 46	1 13	3 19
T 4	23 0	21 9	5 13	18 38	1 18	12 59	2 4	22 18	2 17	3 48	1 16	22 27	0 7	1 18	0 41	21 38	0 25	15 7	17 13	17 36	17 17	11 49	1 12	3 19
F 5	23 6	16 40	5 9	19 3	1 10	13 22	2 3	22 16	2 19	3 52	1 17	22 28	0 7	1 18	0 41	21 38	0 25	15 7	17 12	17 35	17 16	11 52	1 12	3 18
S 6	23 11	11 16	4 47	19 28	1 2	13 46	2 2	22 13	2 20	3 55	1 17	22 28	0 7	1 18	0 41	21 39	0 25	15 6	17 12	17 35	17 15	11 55	1 12	3 18
S 7	23 15	5 13	4 9	19 52	0 54	14 9	2 1	22 11	2 21	3 58	1 17	22 29	0 7	1 18	0 41	21 39	0 25	15 6	17 11	17 35	17 14	11 59	1 12	3 18
M 8	23 19	1s12	3 16	20 16	0 46	14 31	2 0	22 8	2 22	4 1	1 17	22 29	0 7	1 18	0 41	21 39	0 25	15 6	17 11	17 35	17 13	12 2	1 12	3 18
T 9	23 22	7 41	2 9	20 39	0 39	14 54	1 59	22 6	2 23	4 4	1 17	22 30	0 6	1 18	0 41	21 39	0 25	15 6	17 11	17 36	17 12	12 5	1 12	3 17
W10	23 25	13 52	0 53	21 2	0 31	15 16	1 57	22 4	2 24	4 7	1 18	22 31	0 6	1 18	0 41	21 39	0 25	15 5	17 10	17 36	17 11	12 8	1 12	3 17
T 11	23 28	19 20	0s27	21 24	0 23	15 37	1 56	22 2	2 25	4 9	1 18	22 31	0 6	1 18	0 41	21 40	0 25	15 5	17 10	17 36	17 10	12 11	1 12	3 17
F 12	23 30	23 38	1 45	21 45	0 16	15 59	1 54	22 0	2 26	4 12	1 18	22 32	0 6	1 19	0 41	21 40	0 25	15 5	17 10	17 36	17 9	12 14	1 12	3 17
S 13	23 32	26 20	2 56	22 5	0 8	16 20	1 53	21 58	2 27	4 15	1 18	22 32	0 6	1 19	0 41	21 40	0 25	15 4	17 9	17 35	17 8	12 17	1 12	3 16
S 14	23 33	27 13	3 55	22 24	0 1	16 40	1 51	21 56	2 28	4 17	1 19	22 33	0 6	1 19	0 41	21 40	0 25	15 4	17 9	17 33	17 8	12 20	1 12	3 16
M15	23 33	26 16	4 37	22 42	0s 6	17 1	1 49	21 55	2 28	4 20	1 19	22 34	0 6	1 19	0 41	21 41	0 25	15 3	17 9	17 31	17 7	12 23	1 12	3 16
T 16	23 34	23 43	5 2	23 0	0 13	17 20	1 47	21 53	2 29	4 23	1 19	22 34	0 6	1 19	0 41	21 41	0 25	15 3	17 8	17 29	17 6	12 26	1 12	3 16
W17	23 33	19 56	5 10	23 16	0 20	17 40	1 45	21 52	2 30	4 25	1 19	22 35	0 6	1 19	0 41	21 41	0 25	15 3	17 8	17 28	17 5	12 29	1 12	3 16
T 18	23 32	15 18	5 1	23 31	0 27	17 58	1 43	21 51	2 30	4 27	1 19	22 36	0 6	1 20	0 41	21 41	0 25	15 2	17 7	17 26	17 4	12 32	1 12	3 15
F 19	23 31	10 9	4 37	23 45	0 34	18 17	1 41	21 50	2 31	4 30	1 20	22 36	0 5	1 20	0 41	21 42	0 25	15 2	17 7	17 25	17 3	12 35	1 13	3 15
S 20	23 29	4 44	4 1	23 58	0 41	18 35	1 39	21 49	2 31	4 32	1 20	22 37	0 5	1 20	0 41	21 42	0 25	15 1	17 7	17 24	17 2	12 38	1 13	3 15
S 21	23 27	0n45	3 16	24 10	0 47	18 52	1 37	21 48	2 31	4 34	1 20	22 38	0 5	1 20	0 41	21 42	0 25	15 1	17 6	17 24	17 1	12 41	1 13	3 15
M22	23 25	6 8	2 22	24 20	0 53	19 9	1 35	21 47	2 32	4 37	1 20	22 38	0 5	1 21	0 41	21 42	0 25	15 1	17 6	17 25	17 0	12 44	1 13	3 14
T 23	23 21	11 18	1 23	24 29	0 59	19 26	1 33	21 47	2 32	4 39	1 21	22 39	0 5	1 21	0 41	21 42	0 25	15 0	17 6	17 25	16 59	12 47	1 14	3 14
W24	23 18	16 3	0 20	24 37	1 5	19 42	1 31	21 47	2 32	4 41	1 21	22 40	0 5	1 21	0 41	21 43	0 25	15 0	17 5	17 25	16 59	12 50	1 14	3 14
T 25	23 14	20 14	0n44	24 44	1 10	19 57	1 28	21 46	2 32	4 43	1 21	22 40	0 5	1 22	0 41	21 43	0 25	14 59	17 5	17 25	16 58	12 53	1 14	3 14
F 26	23 9	23 38	1 47	24 49	1 16	20 12	1 26	21 46	2 32	4 45	1 21	22 41	0 5	1 22	0 40	21 43	0 25	14 59	17 5	17 25	16 57	12 56	1 15	3 13
S 27	23 4	26 1	2 46	24 53	1 21	20 26	1 23	21 47	2 33	4 46	1 21	22 41	0 5	1 23	0 40	21 43	0 25	14 58	17 4	17 23	16 56	12 59	1 15	3 13
S 28	22 59	27 8	3 38	24 56	1 26	20 40	1 21	21 47	2 33	4 48	1 22	22 42	0 4	1 23	0 40	21 44	0 25	14 58	17 4	17 21	16 55	13 2	1 15	3 13
M29	22 53	26 51	4 19	24 57	1 30	20 53	1 19	21 47	2 33	4 50	1 22	22 43	0 4	1 23	0 40	21 44	0 25	14 57	17 3	17 19	16 54	13 5	1 16	3 13
T 30	22 46	25 6	4 49	24 56	1 35	21 6	1 16	21 48	2 33	4 52	1 22	22 43	0 4	1 24	0 40	21 44	0 25	14 57	17 3	17 16	16 53	13 8	1 16	3 12
W31	22s40	21n58	5n 3	24s54	1s39	21s18	1n13	21n49	2n33	4s53	1n22	22n44	0s 4	1n24	0s40	21n44	0s25	14s56	17s 3	17n13	16n52	13n11	1n17	3n12

Julian Day Number = 2119879.5, Delta T = 18m09s
Ecliptic obliquity = 23°33'31, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°04'52, Lahiri = 11°11'53 Julian Calendar 1 Dec. 1091 == Greg. Calendar 7 Dec. 1091

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1092
geocentric

JANUARY 1092 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 3 18	16♑27'44	25♌58	10♑29	14♐31	26♉ 1	15♎38	14°R 4	5♈ 5	19°R19	1♈39	17°R37	16♉30	7♉18	25♓52	T 1
F 2	7 7 15	17°28'48	9♍34	12° 6	15°45	26° 6	15°42	13♋59	5° 6	19♋18	1°39	17♉29	16°27	7°24	25°54	F 2
S 3	7 11 11	18°29'51	23°20	13°45	16°59	26°11	15°47	13°54	5° 8	19°16	1°40	17°24	16°24	7°31	25°55	S 3
S 4	7 15 8	19°30'54	7♎13	15°23	18°14	26°17	15°51	13°49	5° 9	19°14	1°40	17°21	16°21	7°38	25°57	S 4
M 5	7 19 4	20°31'57	21°12	17° 3	19°28	26°23	15°55	13°45	5°10	19°12	1°41	17°D20	16°18	7°44	25°59	M 5
T 6	7 23 1	21°32'59	5♏19	18°43	20°42	26°31	15°58	13°40	5°12	19°11	1°41	17°21	16°14	7°51	26° 1	T 6
W 7	7 26 58	22°34'00	19°30	20°24	21°56	26°39	16° 2	13°35	5°13	19° 9	1°42	17°R21	16°11	7°58	26° 3	W 7
T 8	7 30 54	23°35'01	3♐46	22° 5	23°10	26°47	16° 5	13°30	5°15	19° 7	1°43	17°20	16° 8	8° 4	26° 5	T 8
F 9	7 34 51	24°36'01	18° 3	23°47	24°24	26°56	16° 8	13°25	5°16	19° 6	1°43	17°16	16° 5	8°11	26° 7	F 9
S 10	7 38 47	25°37'00	2♑18	25°30	25°38	27° 6	16°11	13°20	5°18	19° 4	1°44	17°10	16° 2	8°18	26° 9	S 10
S 11	7 42 44	26°37'59	16°25	27°13	26°53	27°16	16°14	13°16	5°20	19° 2	1°45	17° 1	15°59	8°24	26°11	S 11
M12	7 46 40	27°38'56	0♒21	28°57	28° 7	27°27	16°17	13°11	5°21	19° 1	1°45	16°50	15°55	8°31	26°14	M12
T 13	7 50 37	28°39'52	13°59	0♒42	29°21	27°39	16°19	13° 6	5°23	18°59	1°46	16°37	15°52	8°38	26°16	T 13
W14	7 54 34	29°40'47	27°18	2°28	0♑35	27°51	16°21	13° 2	5°25	18°57	1°47	16°25	15°49	8°44	26°18	W14
T 15	7 58 30	0♒41'41	10♓15	4°13	1°50	28° 4	16°24	12°57	5°27	18°56	1°48	16°14	15°46	8°51	26°21	T 15
F 16	8 2 27	1°42'33	22°52	6° 0	3° 4	28°17	16°25	12°52	5°29	18°54	1°49	16° 6	15°43	8°57	26°23	F 16
S 17	8 6 23	2°43'24	5♈ 9	7°47	4°18	28°31	16°27	12°48	5°31	18°52	1°49	16° 0	15°40	9° 4	26°25	S 17
S 18	8 10 20	3°44'13	17°12	9°35	5°32	28°45	16°29	12°43	5°33	18°51	1°50	15°57	15°36	9°11	26°28	S 18
M19	8 14 16	4°45'01	29° 5	11°23	6°47	29° 0	16°30	12°39	5°35	18°49	1°51	15°56	15°33	9°17	26°30	M19
T 20	8 18 13	5°45'47	10♉53	13°11	8° 1	29°15	16°31	12°35	5°37	18°47	1°52	15°56	15°30	9°24	26°33	T 20
W21	8 22 9	6°46'31	22°41	15° 0	9°15	29°31	16°32	12°30	5°39	18°46	1°53	15°56	15°27	9°31	26°36	W21
T 22	8 26 6	7°47'14	4♊36	16°48	10°29	29°47	16°33	12°26	5°41	18°44	1°54	15°54	15°24	9°37	26°38	T 22
F 23	8 30 3	8°47'55	16°42	18°37	11°44	0♊ 4	16°33	12°22	5°43	18°43	1°55	15°51	15°20	9°44	26°41	F 23
S 24	8 33 59	9°48'35	29° 4	20°26	12°58	0°21	16°34	12°18	5°45	18°41	1°56	15°45	15°17	9°51	26°43	S 24
S 25	8 37 56	10°49'13	11♋45	22°14	14°12	0°38	16°34	12°14	5°48	18°40	1°57	15°36	15°14	9°57	26°46	S 25
M26	8 41 52	11°49'50	24°46	24° 1	15°26	0°56	16°R34	12°10	5°50	18°38	1°58	15°25	15°11	10° 4	26°49	M26
T 27	8 45 49	12°50'24	8♌ 6	25°47	16°41	1°14	16°34	12° 6	5°52	18°37	1°59	15°12	15° 8	10°11	26°52	T 27
W28	8 49 45	13°50'57	21°45	27°32	17°55	1°33	16°33	12° 2	5°55	18°35	2° 0	14°59	15° 5	10°17	26°55	W28
T 29	8 53 42	14°51'29	5♍38	29°15	19° 9	1°52	16°33	11°58	5°57	18°34	2° 1	14°47	15° 1	10°24	26°58	T 29
F 30	8 57 38	15°51'59	19°41	0♓56	20°24	2°12	16°32	11°55	5°59	18°32	2° 2	14°37	14°58	10°31	27° 0	F 30
S 31	9 1 35	16♒52'28	3♎50	2♓35	21♑38	2♊32	16♎31	11♋51	6♈ 2	18♋31	2♈ 3	14♉29	14♉55	10♉37	27♓ 3	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s32	17n39	5n 1	24s51	1s43	21s29	1n11	21n50	2n33	4s55	1n23	22n45	0s 4	1n25	0s40	21n45	0s25	14s56	17s 2	17n10	16n51	13n14	1n17	3n12
F 2	22 25	12 22	4 42	24 46	1 46	21 40	1 8	21 51	2 33	4 56	1 23	22 45	0 4	1 25	0 40	21 45	0 25	14 55	17 2	17 8	16 50	13 17	1 17	3 12
S 3	22 16	6 26	4 7	24 40	1 50	21 50	1 5	21 52	2 32	4 58	1 23	22 46	0 4	1 26	0 40	21 45	0 25	14 55	17 2	17 7	16 49	13 20	1 18	3 12
S 4	22 8	0 8	3 17	24 32	1 53	22 0	1 3	21 53	2 32	4 59	1 23	22 47	0 4	1 27	0 40	21 45	0 25	14 54	17 1	17 6	16 49	13 23	1 19	3 11
M 5	21 59	6s14	2 15	24 22	1 55	22 8	1 0	21 54	2 32	5 0	1 24	22 47	0 4	1 27	0 40	21 46	0 25	14 54	17 1	17 6	16 48	13 26	1 19	3 11
T 6	21 49	12 21	1 4	24 11	1 58	22 17	0 57	21 56	2 32	5 1	1 24	22 48	0 3	1 28	0 40	21 46	0 25	14 53	17 1	17 6	16 47	13 29	1 20	3 11
W 7	21 40	17 53	0s11	23 58	2 0	22 24	0 55	21 58	2 32	5 3	1 24	22 48	0 3	1 28	0 40	21 46	0 25	14 53	17 0	17 6	16 46	13 32	1 20	3 11
T 8	21 29	22 25	1 26	23 44	2 1	22 31	0 52	21 59	2 32	5 4	1 24	22 49	0 3	1 29	0 40	21 46	0 25	14 52	17 0	17 5	16 45	13 35	1 21	3 10
F 9	21 19	25 36	2 36	23 28	2 2	22 38	0 49	22 1	2 31	5 5	1 25	22 50	0 3	1 30	0 40	21 47	0 25	14 51	17 0	17 4	16 44	13 38	1 21	3 10
S 10	21 7	27 7	3 35	23 10	2 3	22 43	0 46	22 3	2 31	5 6	1 25	22 50	0 3	1 30	0 40	21 47	0 25	14 51	16 59	17 3	16 43	13 41	1 22	3 10
S 11	20 56	26 51	4 20	22 50	2 4	22 48	0 43	22 6	2 31	5 6	1 25	22 51	0 3	1 31	0 40	21 47	0 25	14 50	16 59	17 0	16 42	13 44	1 23	3 10
M12	20 44	24 53	4 49	22 29	2 4	22 52	0 40	22 8	2 30	5 7	1 25	22 51	0 3	1 32	0 40	21 47	0 25	14 50	16 59	16 57	16 41	13 47	1 23	3 10
T 13	20 32	21 31	5 1	22 6	2 3	22 56	0 38	22 10	2 30	5 8	1 26	22 52	0 3	1 32	0 40	21 48	0 25	14 49	16 58	16 53	16 40	13 50	1 24	3 9
W14	20 19	17 6	4 56	21 42	2 2	22 59	0 35	22 13	2 30	5 9	1 26	22 52	0 3	1 33	0 40	21 48	0 25	14 49	16 58	16 50	16 39	13 53	1 25	3 9
T 15	20 6	12 1	4 36	21 15	2 1	23 1	0 32	22 15	2 30	5 9	1 26	22 53	0 2	1 34	0 40	21 48	0 25	14 48	16 58	16 47	16 38	13 56	1 26	3 9
F 16	19 53	6 33	4 2	20 47	1 59	23 2	0 29	22 18	2 29	5 10	1 26	22 54	0 2	1 35	0 40	21 48	0 25	14 47	16 57	16 44	16 38	13 59	1 26	3 9
S 17	19 39	0 58	3 18	20 17	1 56	23 3	0 26	22 21	2 29	5 10	1 27	22 54	0 2	1 36	0 40	21 49	0 25	14 47	16 57	16 43	16 37	14 2	1 27	3 9
S 18	19 25	4n32	2 26	19 46	1 53	23 3	0 23	22 24	2 28	5 10	1 27	22 55	0 2	1 36	0 40	21 49	0 25	14 46	16 57	16 42	16 36	14 5	1 28	3 8
M19	19 10	9 50	1 28	19 13	1 50	23 3	0 20	22 26	2 28	5 11	1 27	22 55	0 2	1 37	0 40	21 49	0 25	14 45	16 56	16 41	16 35	14 8	1 29	3 8
T 20	18 55	14 44	0 27	18 38	1 46	23 1	0 17	22 29	2 28	5 11	1 27	22 56	0 2	1 38	0 40	21 49	0 25	14 45	16 56	16 41	16 34	14 11	1 30	3 8
W21	18 40	19 7	0n36	18 1	1 41	22 59	0 15	22 32	2 27	5 11	1 28	22 56	0 2	1 39	0 40	21 50	0 25	14 44	16 56	16 41	16 33	14 14	1 31	3 8
T 22	18 25	22 46	1 37	17 23	1 35	22 57	0 12	22 36	2 27	5 11	1 28	22 57	0 2	1 40	0 40	21 50	0 25	14 44	16 56	16 41	16 32	14 17	1 31	3 8
F 23	18 9	25 28	2 35	16 44	1 29	22 53	0 9	22 39	2 26	5 11	1 28	22 57	0 2	1 41	0 39	21 50	0 25	14 43	16 55	16 40	16 31	14 19	1 32	3 7
S 24	17 53	27 0	3 27	16 3	1 22	22 49	0 6	22 42	2 26	5 11	1 28	22 58	0 1	1 42	0 39	21 50	0 25	14 42	16 55	16 38	16 30	14 22	1 33	3 7
S 25	17 36	27 11	4 10	15 21	1 15	22 45	0 3	22 45	2 26	5 11	1 29	22 58	0 1	1 43	0 39	21 51	0 25	14 42	16 55	16 36	16 29	14 25	1 34	3 7
M26	17 20	25 53	4 41	14 38	1 7	22 39	0 0	22 49	2 25	5 11	1 29	22 59	0 1	1 44	0 39	21 51	0 25	14 41	16 54	16 32	16 28	14 28	1 35	3 7
T 27	17 3	23 7	4 58	13 54	0 58	22 33	0s 2	22 52	2 25	5 10	1 29	22 59	0 1	1 44	0 39	21 51	0 25	14 40	16 54	16 29	16 27	14 31	1 36	3 7
W28	16 45	19 1	4 58	13 8	0 48	22 26	0 5	22 56	2 24	5 10	1 29	23 0	0 1	1 45	0 39	21 51	0 25	14 40	16 54	16 25	16 26	14 34	1 37	3 7
T 29	16 28	13 50	4 41	12 23	0 38	22 19	0 8	22 59	2 24	5 9	1 30	23 0	0 1	1 46	0 39	21 52	0 25	14 39	16 54	16 21	16 25	14 37	1 38	3 6
F 30	16 10	7 52	4 6	11 37	0 27	22 11	0 11	23 3	2 23	5 9	1 30	23 0	0 1	1 47	0 39	21 52	0 25	14 38	16 53	16 18	16 24	14 40	1 39	3 6
S 31	15s51	1n28	3n17	10s50	0s15	22s 2	0s13	23n 6	2n23	5s 8	1n30	23n 1	0s 1	1n48	0s39	21n52	0s25	14s38	16s53	16n16	16n24	14n43	1n40	3n 6

Julian Day Number = 2119910.5, Delta T = 18m08s
Ecliptic obliquity = 23°33'31, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°04'56, Lahiri = 11°11'57 Julian Calendar 1 Jan. 1092 == Greg. Calendar 7 Jan. 1092

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1092
geocentric

FEBRUARY 1092 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 5 32	17♒52'55	18♎ 1	4♓10	22♑52	2♊52	16°R30	11°R48	6♈ 4	18°R29	2♈ 4	14°R25	14♉52	10♉44	27♓ 6	S 1
M 2	9 9 28	18°53'21	2♏10	5°41	24° 7	3°13	16♎29	11♋44	6° 7	18♋28	2° 5	14♉23	14°49	10°50	27° 9	M 2
T 3	9 13 25	19°53'45	16°17	7° 8	25°21	3°34	16°27	11°41	6°10	18°26	2° 6	14°23	14°46	10°57	27°12	T 3
W 4	9 17 21	20°54'08	0♐21	8°31	26°35	3°55	16°26	11°38	6°12	18°25	2° 7	14°23	14°42	11° 4	27°15	W 4
T 5	9 21 18	21°54'30	14°20	9°47	27°50	4°17	16°24	11°34	6°15	18°24	2° 8	14°22	14°39	11°10	27°19	T 5
F 6	9 25 14	22°54'50	28°14	10°57	29° 4	4°39	16°22	11°31	6°18	18°22	2° 9	14°18	14°36	11°17	27°22	F 6
S 7	9 29 11	23°55'09	12♑ 3	12° 1	0♒18	5° 1	16°19	11°28	6°20	18°21	2°10	14°11	14°33	11°24	27°25	S 7
S 8	9 33 7	24°55'26	25°43	12°56	1°33	5°23	16°17	11°25	6°23	18°20	2°12	14° 2	14°30	11°30	27°28	S 8
M 9	9 37 4	25°55'42	9♒13	13°44	2°47	5°46	16°14	11°23	6°26	18°18	2°13	13°50	14°26	11°37	27°31	M 9
T 10	9 41 1	26°55'56	22°30	14°23	4° 1	6° 9	16°12	11°20	6°29	18°17	2°14	13°37	14°23	11°44	27°34	T 10
W11	9 44 57	27°56'08	5♓32	14°54	5°16	6°33	16° 9	11°17	6°31	18°16	2°15	13°24	14°20	11°50	27°38	W11
T 12	9 48 54	28°56'17	18°17	15°15	6°30	6°57	16° 5	11°15	6°34	18°15	2°17	13°12	14°17	11°57	27°41	T 12
F 13	9 52 50	29°56'25	0♈46	15°27	7°44	7°21	16° 2	11°12	6°37	18°13	2°18	13° 3	14°14	12° 4	27°44	F 13
S 14	9 56 47	0♓56'31	13° 0	15°R30	8°59	7°45	15°59	11°10	6°40	18°12	2°19	12°56	14°11	12°10	27°48	S 14
S 15	10 0 43	1°56'35	25° 1	15°23	10°13	8°10	15°55	11° 8	6°43	18°11	2°20	12°53	14° 7	12°17	27°51	S 15
M16	10 4 40	2°56'37	6♉53	15° 7	11°27	8°35	15°51	11° 6	6°46	18°10	2°22	12°51	14° 4	12°23	27°54	M16
T 17	10 8 36	3°56'36	18°41	14°43	12°42	9° 0	15°47	11° 4	6°49	18° 9	2°23	12°D51	14° 1	12°30	27°58	T 17
W18	10 12 33	4°56'33	0♊29	14°12	13°56	9°25	15°43	11° 2	6°52	18° 8	2°24	12°R51	13°58	12°37	28° 1	W18
T 19	10 16 29	5°56'29	12°23	13°33	15°10	9°51	15°38	11° 0	6°55	18° 7	2°25	12°51	13°55	12°43	28° 5	T 19
F 20	10 20 26	6°56'22	24°30	12°48	16°24	10°16	15°34	10°58	6°58	18° 6	2°27	12°50	13°51	12°50	28° 8	F 20
S 21	10 24 23	7°56'12	6♋53	11°58	17°39	10°42	15°29	10°57	7° 1	18° 5	2°28	12°46	13°48	12°57	28°11	S 21
S 22	10 28 19	8°56'01	19°37	11° 4	18°53	11° 9	15°24	10°55	7° 4	18° 4	2°29	12°39	13°45	13° 3	28°15	S 22
M23	10 32 16	9°55'47	2♌45	10° 8	20° 7	11°35	15°19	10°54	7° 8	18° 3	2°31	12°31	13°42	13°10	28°18	M23
T 24	10 36 12	10°55'31	16°17	9°10	21°21	12° 2	15°14	10°52	7°11	18° 2	2°32	12°21	13°39	13°17	28°22	T 24
W25	10 40 9	11°55'13	0♍13	8°13	22°36	12°29	15° 9	10°51	7°14	18° 1	2°33	12°11	13°36	13°23	28°26	W25
T 26	10 44 5	12°54'52	14°28	7°17	23°50	12°56	15° 4	10°50	7°17	18° 0	2°35	12° 1	13°32	13°30	28°29	T 26
F 27	10 48 2	13°54'30	28°57	6°24	25° 4	13°23	14°58	10°49	7°20	18° 0	2°36	11°54	13°29	13°37	28°33	F 27
S 28	10 51 58	14°54'05	13♎33	5°33	26°18	13°50	14°52	10°48	7°23	17°59	2°38	11°48	13°26	13°43	28°36	S 28
S 29	10 55 55	15♓53'39	28♎ 9	4♓47	27♒33	14♊18	14♎47	10♋48	7♈27	17♋58	2♈39	11♉45	13♉23	13♉50	28♓40	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s33	5s 2	2n15	10s 4	0s 2	21s52	0s16	23n10	2n22	5s 8	1n30	23n 1	0s 1	1n49	0s39	21n52	0s25	14s37	16s53	16n15	16n23	14n46	1n41	3n 6
M 2	15 14	11 17	1 4	9 18	0n11	21 42	0 19	23 13	2 22	5 7	1 31	23 2	0 1	1 51	0 39	21 52	0 25	14 37	16 53	16 14	16 22	14 49	1 42	3 6
T 3	14 55	16 57	0s10	8 34	0 24	21 31	0 21	23 17	2 21	5 6	1 31	23 2	0 0	1 52	0 39	21 53	0 25	14 36	16 52	16 14	16 21	14 52	1 43	3 6
W 4	14 36	21 41	1 23	7 50	0 38	21 20	0 24	23 21	2 21	5 5	1 31	23 3	0 0	1 53	0 39	21 53	0 25	14 35	16 52	16 14	16 20	14 55	1 44	3 5
T 5	14 17	25 8	2 31	7 8	0 53	21 8	0 26	23 24	2 20	5 4	1 31	23 3	0 0	1 54	0 39	21 53	0 25	14 35	16 52	16 14	16 19	14 58	1 45	3 5
F 6	13 57	27 2	3 30	6 27	1 7	20 55	0 29	23 28	2 20	5 3	1 32	23 3	0 0	1 55	0 39	21 53	0 25	14 34	16 52	16 13	16 18	15 0	1 46	3 5
S 7	13 37	27 15	4 15	5 49	1 22	20 42	0 31	23 31	2 19	5 2	1 32	23 4	0n 0	1 56	0 39	21 53	0 24	14 33	16 51	16 11	16 17	15 3	1 48	3 5
S 8	13 17	25 47	4 46	5 14	1 37	20 28	0 34	23 35	2 19	5 1	1 32	23 4	0 0	1 57	0 39	21 54	0 24	14 33	16 51	16 8	16 16	15 6	1 49	3 5
M 9	12 56	22 51	5 0	4 42	1 52	20 13	0 36	23 39	2 18	5 0	1 32	23 4	0 0	1 58	0 39	21 54	0 24	14 32	16 51	16 4	16 15	15 9	1 50	3 5
T 10	12 36	18 45	4 57	4 13	2 7	19 58	0 39	23 42	2 18	4 59	1 33	23 5	0 0	1 59	0 39	21 54	0 24	14 31	16 51	16 0	16 14	15 12	1 51	3 4
W11	12 15	13 51	4 39	3 48	2 21	19 43	0 41	23 46	2 17	4 57	1 33	23 5	0 0	2 0	0 39	21 54	0 24	14 31	16 50	15 56	16 13	15 15	1 52	3 4
T 12	11 54	8 26	4 7	3 27	2 35	19 26	0 43	23 49	2 17	4 56	1 33	23 5	0 1	2 2	0 39	21 54	0 24	14 30	16 50	15 53	16 12	15 18	1 53	3 4
F 13	11 33	2 48	3 24	3 11	2 48	19 9	0 45	23 53	2 16	4 54	1 33	23 6	0 1	2 3	0 39	21 55	0 24	14 29	16 50	15 50	16 11	15 21	1 55	3 4
S 14	11 12	2n50	2 32	2 59	3 0	18 52	0 48	23 57	2 16	4 53	1 33	23 6	0 1	2 4	0 39	21 55	0 24	14 29	16 50	15 48	16 10	15 24	1 56	3 4
S 15	10 50	8 17	1 33	2 51	3 11	18 34	0 50	24 0	2 15	4 51	1 34	23 6	0 1	2 5	0 39	21 55	0 24	14 28	16 50	15 47	16 9	15 26	1 57	3 4
M16	10 29	13 23	0 32	2 48	3 21	18 16	0 52	24 4	2 15	4 49	1 34	23 7	0 1	2 6	0 39	21 55	0 24	14 27	16 50	15 46	16 8	15 29	1 58	3 4
T 17	10 7	17 58	0n31	2 50	3 29	17 57	0 54	24 7	2 14	4 48	1 34	23 7	0 1	2 8	0 39	21 55	0 24	14 27	16 49	15 46	16 8	15 32	1 59	3 4
W18	9 45	21 52	1 33	2 57	3 35	17 37	0 56	24 11	2 14	4 46	1 34	23 7	0 1	2 9	0 39	21 55	0 24	14 26	16 49	15 46	16 7	15 35	2 1	3 3
T 19	9 23	24 53	2 31	3 7	3 40	17 17	0 58	24 14	2 13	4 44	1 34	23 7	0 1	2 10	0 39	21 56	0 24	14 25	16 49	15 46	16 6	15 38	2 2	3 3
F 20	9 0	26 49	3 23	3 22	3 42	16 57	1 0	24 17	2 13	4 42	1 35	23 8	0 1	2 11	0 39	21 56	0 24	14 25	16 49	15 46	16 5	15 41	2 3	3 3
S 21	8 38	27 29	4 7	3 41	3 43	16 36	1 2	24 21	2 12	4 40	1 35	23 8	0 1	2 13	0 39	21 56	0 24	14 24	16 49	15 45	16 4	15 44	2 4	3 3
S 22	8 16	26 44	4 40	4 3	3 41	16 14	1 3	24 24	2 12	4 38	1 35	23 8	0 2	2 14	0 39	21 56	0 24	14 23	16 49	15 43	16 3	15 47	2 6	3 3
M23	7 53	24 30	5 0	4 27	3 38	15 53	1 5	24 27	2 11	4 36	1 35	23 8	0 2	2 15	0 39	21 56	0 24	14 23	16 48	15 40	16 2	15 49	2 7	3 3
T 24	7 30	20 51	5 3	4 54	3 32	15 30	1 7	24 30	2 11	4 34	1 35	23 8	0 2	2 16	0 39	21 56	0 24	14 22	16 48	15 37	16 1	15 52	2 8	3 3
W25	7 8	15 57	4 49	5 22	3 25	15 8	1 8	24 33	2 10	4 32	1 36	23 9	0 2	2 18	0 39	21 56	0 24	14 21	16 48	15 34	16 0	15 55	2 10	3 3
T 26	6 45	10 6	4 17	5 51	3 16	14 45	1 10	24 36	2 10	4 29	1 36	23 9	0 2	2 19	0 39	21 57	0 24	14 21	16 48	15 31	15 59	15 58	2 11	3 3
F 27	6 22	3 36	3 28	6 20	3 6	14 21	1 11	24 39	2 9	4 27	1 36	23 9	0 2	2 20	0 39	21 57	0 24	14 20	16 48	15 29	15 58	16 1	2 12	3 2
S 28	5 59	3s 9	2 25	6 49	2 54	13 57	1 13	24 42	2 8	4 25	1 36	23 9	0 2	2 21	0 39	21 57	0 24	14 19	16 48	15 27	15 57	16 4	2 14	3 2
S 29	5s35	9s45	1n12	7s18	2n41	13s33	1s14	24n45	2n 8	4s22	1n36	23n 9	0n 2	2n23	0s39	21n57	0s24	14s19	16s48	15n26	15n56	16n 6	2n15	3n 2

Julian Day Number = 2119941.5, Delta T = 18m08s
Ecliptic obliquity = 23°33'32, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°05'01, Lahiri = 11°12'01 Julian Calendar 1 Feb. 1092 == Greg. Calendar 7 Feb. 1092

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1092
geocentric

MARCH 1092 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 59 52	16♓53'11	12♏40	4°R 6	28♒47	14♊46	14°R41	10°R47	7♈30	17°R57	2♈40	11°D44	13♉20	13♉57	28♓43	M 1
T 2	11 3 48	17°52'41	27° 2	3♓30	0♓ 1	15°14	14♎35	10♋47	7°33	17♋57	2°42	11♉45	13°17	14° 3	28°47	T 2
W 3	11 7 45	18°52'09	11♐12	3° 0	1°15	15°42	14°28	10°46	7°37	17°56	2°43	11°46	13°13	14°10	28°50	W 3
T 4	11 11 41	19°51'36	25° 9	2°35	2°30	16°10	14°22	10°46	7°40	17°55	2°45	11°R46	13°10	14°16	28°54	T 4
F 5	11 15 38	20°51'01	8♑53	2°17	3°44	16°39	14°16	10°46	7°43	17°55	2°46	11°44	13° 7	14°23	28°58	F 5
S 6	11 19 34	21°50'24	22°25	2° 4	4°58	17° 7	14° 9	10°D46	7°47	17°54	2°47	11°41	13° 4	14°30	29° 1	S 6
S 7	11 23 31	22°49'45	5♒43	1°58	6°12	17°36	14° 2	10°46	7°50	17°54	2°49	11°35	13° 1	14°36	29° 5	S 7
M 8	11 27 27	23°49'04	18°50	1°D57	7°26	18° 5	13°56	10°46	7°53	17°53	2°50	11°27	12°57	14°43	29° 9	M 8
T 9	11 31 24	24°48'22	1♓43	2° 2	8°41	18°34	13°49	10°46	7°57	17°53	2°52	11°19	12°54	14°50	29°12	T 9
W10	11 35 21	25°47'37	14°24	2°12	9°55	19° 4	13°42	10°46	8° 0	17°52	2°53	11°10	12°51	14°56	29°16	W10
T 11	11 39 17	26°46'50	26°52	2°28	11° 9	19°33	13°35	10°47	8° 3	17°52	2°54	11° 3	12°48	15° 3	29°20	T 11
F 12	11 43 14	27°46'01	9♈ 8	2°49	12°23	20° 3	13°28	10°47	8° 7	17°52	2°56	10°57	12°45	15°10	29°23	F 12
S 13	11 47 10	28°45'10	21°13	3°14	13°37	20°32	13°21	10°48	8°10	17°51	2°57	10°53	12°42	15°16	29°27	S 13
S 14	11 51 7	29°44'17	3♉ 9	3°44	14°51	21° 2	13°13	10°49	8°14	17°51	2°59	10°51	12°38	15°23	29°30	S 14
M15	11 55 3	0♈43'22	14°59	4°18	16° 6	21°32	13° 6	10°50	8°17	17°51	3° 0	10°D50	12°35	15°30	29°34	M15
T 16	11 59 0	1°42'24	26°46	4°56	17°20	22° 2	12°59	10°51	8°20	17°50	3° 2	10°51	12°32	15°36	29°38	T 16
W17	12 2 56	2°41'24	8♊34	5°38	18°34	22°33	12°51	10°52	8°24	17°50	3° 3	10°53	12°29	15°43	29°41	W17
T 18	12 6 53	3°40'22	20°28	6°23	19°48	23° 3	12°44	10°53	8°27	17°50	3° 5	10°55	12°26	15°49	29°45	T 18
F 19	12 10 50	4°39'18	2♋33	7°12	21° 2	23°34	12°36	10°55	8°31	17°50	3° 6	10°R55	12°23	15°56	29°49	F 19
S 20	12 14 46	5°38'11	14°54	8° 5	22°16	24° 4	12°29	10°56	8°34	17°50	3° 7	10°55	12°19	16° 3	29°52	S 20
S 21	12 18 43	6°37'02	27°36	9° 0	23°30	24°35	12°21	10°58	8°38	17°50	3° 9	10°53	12°16	16° 9	29°56	S 21
M22	12 22 39	7°35'51	10♌43	9°58	24°44	25° 6	12°14	10°59	8°41	17°50	3°10	10°50	12°13	16°16	29°59	M22
T 23	12 26 36	8°34'37	24°16	10°59	25°58	25°37	12° 6	11° 1	8°44	17°D50	3°12	10°45	12°10	16°23	0♈ 3	T 23
W24	12 30 32	9°33'21	8♍16	12° 3	27°12	26° 8	11°58	11° 3	8°48	17°50	3°13	10°41	12° 7	16°29	0° 7	W24
T 25	12 34 29	10°32'03	22°40	13° 9	28°26	26°39	11°51	11° 5	8°51	17°50	3°15	10°36	12° 3	16°36	0°10	T 25
F 26	12 38 25	11°30'42	7♎24	14°18	29°40	27°10	11°43	11° 7	8°55	17°50	3°16	10°32	12° 0	16°43	0°14	F 26
S 27	12 42 22	12°29'20	22°20	15°29	0♈54	27°42	11°35	11° 9	8°58	17°50	3°17	10°30	11°57	16°49	0°18	S 27
S 28	12 46 19	13°27'56	7♏19	16°43	2° 8	28°13	11°27	11°12	9° 2	17°50	3°19	10°D29	11°54	16°56	0°21	S 28
M29	12 50 15	14°26'29	22°14	17°58	3°22	28°45	11°20	11°14	9° 5	17°50	3°20	10°29	11°51	17° 3	0°25	M29
T 30	12 54 12	15°25'02	6♐57	19°16	4°36	29°16	11°12	11°17	9° 8	17°50	3°22	10°31	11°48	17° 9	0°28	T 30
W31	12 58 8	16♈23'32	21♐24	20♓36	5♈50	29♊48	11♎ 5	11♋19	9♈12	17♋51	3♈23	10♉32	11♉44	17♉16	0♈32	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s12	15s48	0s 5	7s46	2n28	13s 8	1s16	24n48	2n 7	4s20	1n36	23n 9	0n 2	2n24	0s39	21n57	0s24	14s18	16s48	15n26	15n55	16n 9	2n16	3n 2
T 2	4 49	20 55	1 21	8 12	2 13	12 43	1 17	24 50	2 7	4 18	1 36	23 10	0 2	2 25	0 39	21 57	0 24	14 17	16 48	15 26	15 54	16 12	2 18	3 2
W 3	4 26	24 44	2 32	8 37	1 59	12 18	1 18	24 53	2 6	4 15	1 37	23 10	0 3	2 27	0 39	21 57	0 24	14 17	16 47	15 26	15 53	16 15	2 19	3 2
T 4	4 2	27 0	3 32	9 0	1 44	11 52	1 19	24 55	2 6	4 12	1 37	23 10	0 3	2 28	0 39	21 57	0 24	14 16	16 47	15 26	15 52	16 18	2 20	3 2
F 5	3 39	27 34	4 19	9 20	1 28	11 26	1 20	24 58	2 5	4 10	1 37	23 10	0 3	2 29	0 38	21 58	0 24	14 15	16 47	15 26	15 51	16 21	2 22	3 2
S 6	3 15	26 27	4 50	9 39	1 13	11 0	1 21	25 0	2 5	4 7	1 37	23 10	0 3	2 31	0 38	21 58	0 24	14 15	16 47	15 25	15 50	16 23	2 23	3 2
S 7	2 52	23 52	5 6	9 55	0 58	10 33	1 22	25 2	2 4	4 4	1 37	23 10	0 3	2 32	0 38	21 58	0 24	14 14	16 47	15 23	15 49	16 26	2 24	3 2
M 8	2 28	20 5	5 5	10 9	0 43	10 6	1 23	25 5	2 4	4 2	1 37	23 10	0 3	2 33	0 38	21 58	0 24	14 14	16 47	15 21	15 48	16 29	2 26	3 2
T 9	2 4	15 24	4 48	10 21	0 29	9 39	1 24	25 7	2 3	3 59	1 37	23 10	0 3	2 35	0 38	21 58	0 24	14 13	16 47	15 18	15 47	16 32	2 27	3 1
W10	1 41	10 8	4 18	10 31	0 15	9 12	1 25	25 9	2 3	3 56	1 37	23 10	0 3	2 36	0 38	21 58	0 24	14 12	16 47	15 15	15 46	16 35	2 29	3 1
T 11	1 17	4 32	3 35	10 38	0 1	8 44	1 25	25 11	2 2	3 53	1 37	23 10	0 3	2 37	0 38	21 58	0 24	14 12	16 47	15 13	15 45	16 38	2 30	3 1
F 12	0 54	1n 8	2 43	10 43	0s12	8 16	1 26	25 12	2 2	3 51	1 38	23 11	0 3	2 39	0 38	21 58	0 24	14 11	16 47	15 11	15 44	16 40	2 31	3 1
S 13	0 30	6 42	1 45	10 45	0 25	7 48	1 26	25 14	2 1	3 48	1 38	23 11	0 4	2 40	0 38	21 58	0 24	14 11	16 47	15 10	15 43	16 43	2 33	3 1
S 14	0 6	11 58	0 42	10 46	0 37	7 20	1 27	25 16	2 1	3 45	1 38	23 11	0 4	2 41	0 38	21 58	0 24	14 10	16 47	15 9	15 43	16 46	2 34	3 1
M15	0n17	16 46	0n23	10 44	0 48	6 51	1 27	25 17	2 0	3 42	1 38	23 11	0 4	2 43	0 38	21 58	0 24	14 9	16 47	15 9	15 42	16 49	2 36	3 1
T 16	0 41	20 55	1 26	10 40	0 59	6 22	1 28	25 19	2 0	3 39	1 38	23 11	0 4	2 44	0 38	21 58	0 24	14 9	16 47	15 9	15 41	16 51	2 37	3 1
W17	1 4	24 14	2 25	10 35	1 10	5 54	1 28	25 20	1 59	3 36	1 38	23 11	0 4	2 46	0 38	21 58	0 24	14 8	16 47	15 10	15 40	16 54	2 38	3 1
T 18	1 28	26 32	3 19	10 27	1 20	5 25	1 28	25 21	1 59	3 33	1 38	23 11	0 4	2 47	0 38	21 58	0 24	14 8	16 47	15 10	15 39	16 57	2 40	3 1
F 19	1 52	27 37	4 5	10 17	1 29	4 55	1 28	25 22	1 58	3 30	1 38	23 11	0 4	2 48	0 38	21 59	0 24	14 7	16 47	15 11	15 38	17 0	2 41	3 1
S 20	2 15	27 23	4 41	10 6	1 38	4 26	1 28	25 23	1 58	3 27	1 38	23 11	0 4	2 50	0 38	21 59	0 24	14 7	16 47	15 11	15 37	17 3	2 43	3 1
S 21	2 38	25 43	5 4	9 52	1 46	3 57	1 28	25 24	1 57	3 24	1 38	23 10	0 4	2 51	0 38	21 59	0 23	14 6	16 47	15 10	15 36	17 5	2 44	3 1
M22	3 2	22 38	5 12	9 37	1 53	3 27	1 28	25 25	1 57	3 21	1 38	23 10	0 4	2 52	0 38	21 59	0 23	14 5	16 47	15 9	15 35	17 8	2 46	3 1
T 23	3 25	18 16	5 4	9 20	2 0	2 58	1 28	25 25	1 56	3 18	1 38	23 10	0 4	2 54	0 38	21 59	0 23	14 5	16 47	15 8	15 34	17 11	2 47	3 1
W24	3 48	12 47	4 37	9 2	2 7	2 28	1 28	25 26	1 56	3 15	1 38	23 10	0 5	2 55	0 38	21 59	0 23	14 4	16 47	15 6	15 33	17 14	2 48	3 1
T 25	4 11	6 29	3 53	8 41	2 13	1 58	1 28	25 26	1 55	3 12	1 38	23 10	0 5	2 56	0 38	21 59	0 23	14 4	16 47	15 5	15 32	17 16	2 50	3 1
F 26	4 35	0s20	2 52	8 20	2 18	1 28	1 28	25 26	1 54	3 9	1 38	23 10	0 5	2 58	0 38	21 59	0 23	14 3	16 47	15 3	15 31	17 19	2 51	3 1
S 27	4 58	7 13	1 38	7 56	2 23	0 58	1 27	25 26	1 54	3 6	1 38	23 10	0 5	2 59	0 38	21 59	0 23	14 3	16 47	15 3	15 30	17 22	2 53	3 1
S 28	5 20	13 45	0 17	7 31	2 27	0 28	1 27	25 26	1 53	3 3	1 38	23 10	0 5	3 1	0 38	21 59	0 23	14 2	16 47	15 2	15 29	17 25	2 54	3 1
M29	5 43	19 27	1s 4	7 5	2 30	0n 2	1 26	25 26	1 53	3 0	1 38	23 10	0 5	3 2	0 38	21 59	0 23	14 2	16 47	15 3	15 28	17 27	2 55	3 1
T 30	6 6	23 53	2 21	6 37	2 33	0 32	1 26	25 26	1 52	2 57	1 38	23 10	0 5	3 3	0 38	21 59	0 23	14 1	16 47	15 3	15 27	17 30	2 57	3 1
W31	6n29	26s43	3s27	6s 7	2s36	1n 2	1s25	25n25	1n52	2s54	1n38	23n10	0n 5	3n 5	0s38	21n59	0s23	14s 1	16s47	15n 3	15n26	17n33	2n58	3n 1

Julian Day Number = 2119970.5, Delta T = 18m08s
Ecliptic obliquity = 23°33'32, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°05'05, Lahiri = 11°12'05 Julian Calendar 1 March 1092 == Greg. Calendar 7 March 1092

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1092
geocentric

APRIL 1092 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 2 5	17♈22'01	5♉31	21♓58	7♈ 4	0♋20	10°R57	11♋22	9♈15	17♋51	3♈25	10♉33	11♉41	17♉22	0♈35	T 1
F 2	13 6 1	18°20'29	19°18	23°22	8°18	0°52	10♎49	11°25	9°19	17°51	3°26	10°R34	11°38	17°29	0°39	F 2
S 3	13 9 58	19°18'54	2♒44	24°48	9°32	1°24	10°42	11°28	9°22	17°52	3°27	10°33	11°35	17°36	0°42	S 3
S 4	13 13 54	20°17'18	15°52	26°16	10°46	1°56	10°34	11°31	9°26	17°52	3°29	10°31	11°32	17°42	0°46	S 4
M 5	13 17 51	21°15'41	28°42	27°45	12° 0	2°29	10°27	11°34	9°29	17°53	3°30	10°29	11°29	17°49	0°49	M 5
T 6	13 21 48	22°14'01	11♓18	29°17	13°14	3° 1	10°19	11°37	9°32	17°53	3°32	10°26	11°25	17°56	0°53	T 6
W 7	13 25 44	23°12'20	23°41	0♈50	14°28	3°33	10°12	11°40	9°36	17°53	3°33	10°24	11°22	18° 2	0°56	W 7
T 8	13 29 41	24°10'37	5♈53	2°25	15°42	4° 6	10° 5	11°44	9°39	17°54	3°34	10°21	11°19	18° 9	1° 0	T 8
F 9	13 33 37	25° 8'53	17°56	4° 2	16°56	4°38	9°57	11°47	9°42	17°55	3°36	10°20	11°16	18°16	1° 3	F 9
S 10	13 37 34	26° 7'07	29°52	5°41	18°10	5°11	9°50	11°51	9°46	17°55	3°37	10°19	11°13	18°22	1° 7	S 10
S 11	13 41 30	27° 5'19	11♉42	7°22	19°24	5°44	9°43	11°54	9°49	17°56	3°38	10°D18	11° 9	18°29	1°10	S 11
M12	13 45 27	28° 3'29	23°29	9° 4	20°38	6°17	9°36	11°58	9°52	17°56	3°40	10°19	11° 6	18°36	1°13	M12
T 13	13 49 23	29° 1'37	5♊16	10°49	21°52	6°50	9°29	12° 2	9°56	17°57	3°41	10°19	11° 3	18°42	1°17	T 13
W14	13 53 20	29°59'44	17° 6	12°35	23° 6	7°23	9°22	12° 6	9°59	17°58	3°42	10°20	11° 0	18°49	1°20	W14
T 15	13 57 16	0♉57'48	29° 2	14°23	24°20	7°56	9°16	12°10	10° 2	17°59	3°44	10°21	10°57	18°56	1°23	T 15
F 16	14 1 13	1°55'51	11♋ 8	16°13	25°33	8°29	9° 9	12°14	10° 5	17°59	3°45	10°22	10°54	19° 2	1°26	F 16
S 17	14 5 10	2°53'52	23°29	18° 4	26°47	9° 2	9° 2	12°18	10° 9	18° 0	3°46	10°23	10°50	19° 9	1°30	S 17
S 18	14 9 6	3°51'51	6♌ 8	19°58	28° 1	9°35	8°56	12°23	10°12	18° 1	3°47	10°R23	10°47	19°15	1°33	S 18
M19	14 13 3	4°49'47	19° 9	21°53	29°15	10° 9	8°50	12°27	10°15	18° 2	3°49	10°23	10°44	19°22	1°36	M19
T 20	14 16 59	5°47'42	2♍36	23°50	0♉29	10°42	8°43	12°31	10°18	18° 3	3°50	10°22	10°41	19°29	1°39	T 20
W21	14 20 56	6°45'35	16°30	25°49	1°43	11°16	8°37	12°36	10°22	18° 4	3°51	10°22	10°38	19°35	1°42	W21
T 22	14 24 52	7°43'27	0♎50	27°50	2°56	11°49	8°31	12°41	10°25	18° 5	3°52	10°22	10°34	19°42	1°45	T 22
F 23	14 28 49	8°41'16	15°34	29°52	4°10	12°23	8°26	12°45	10°28	18° 6	3°54	10°21	10°31	19°49	1°49	F 23
S 24	14 32 45	9°39'04	0♏35	1♉56	5°24	12°57	8°20	12°50	10°31	18° 7	3°55	10°21	10°28	19°55	1°52	S 24
S 25	14 36 42	10°36'50	15°45	4° 2	6°38	13°30	8°14	12°55	10°34	18° 8	3°56	10°21	10°25	20° 2	1°55	S 25
M26	14 40 39	11°34'35	0♐56	6° 9	7°52	14° 4	8° 9	13° 0	10°37	18° 9	3°57	10°21	10°22	20° 9	1°58	M26
T 27	14 44 35	12°32'19	15°57	8°17	9° 5	14°38	8° 4	13° 5	10°40	18°10	3°58	10°21	10°19	20°15	2° 1	T 27
W28	14 48 32	13°30'02	0♑41	10°26	10°19	15°12	7°58	13°10	10°43	18°11	4° 0	10°21	10°15	20°22	2° 3	W28
T 29	14 52 28	14°27'43	15° 3	12°36	11°33	15°46	7°53	13°15	10°46	18°12	4° 1	10°20	10°12	20°29	2° 6	T 29
F 30	14 56 25	15♉25'23	29♑ 0	14♉47	12♉47	16♋20	7♎49	13♋20	10♈49	18♋13	4♈ 2	10♉20	10♉ 9	20♉35	2♈ 9	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n51	27s45	4s18	5s37	2s37	1n32	1s24	25n25	1n51	2s51	1n38	23n 9	0n 5	3n 6	0s38	21n59	0s23	14s 0	16s47	15n 4	15n25	17n36	3n 0	3n 1
F 2	7 14	27 1	4 54	5 4	2 39	2 2	1 24	25 24	1 51	2 48	1 38	23 9	0 5	3 7	0 38	21 59	0 23	14 0	16 47	15 4	15 24	17 38	3 1	3 0
S 3	7 36	24 43	5 12	4 31	2 39	2 32	1 23	25 24	1 50	2 45	1 38	23 9	0 5	3 9	0 38	21 59	0 23	13 59	16 48	15 4	15 23	17 41	3 2	3 0
S 4	7 58	21 9	5 14	3 56	2 40	3 2	1 22	25 23	1 50	2 43	1 38	23 9	0 6	3 10	0 38	21 59	0 23	13 59	16 48	15 3	15 22	17 44	3 4	3 0
M 5	8 20	16 39	5 0	3 20	2 39	3 31	1 21	25 22	1 49	2 40	1 37	23 9	0 6	3 11	0 38	21 59	0 23	13 58	16 48	15 2	15 21	17 47	3 5	3 0
T 6	8 42	11 32	4 31	2 42	2 38	4 1	1 20	25 20	1 49	2 37	1 37	23 9	0 6	3 13	0 38	21 59	0 23	13 58	16 48	15 2	15 20	17 49	3 7	3 0
W 7	9 4	6 2	3 50	2 4	2 37	4 31	1 19	25 19	1 48	2 34	1 37	23 8	0 6	3 14	0 38	21 58	0 23	13 58	16 48	15 1	15 19	17 52	3 8	3 0
T 8	9 25	0 23	2 59	1 24	2 35	5 1	1 18	25 18	1 48	2 31	1 37	23 8	0 6	3 15	0 38	21 58	0 23	13 57	16 48	15 0	15 18	17 55	3 9	3 0
F 9	9 47	5n13	2 1	0 43	2 32	5 30	1 17	25 16	1 47	2 29	1 37	23 8	0 6	3 17	0 38	21 58	0 23	13 57	16 48	14 59	15 17	17 57	3 11	3 0
S 10	10 8	10 35	0 58	0 1	2 29	6 0	1 16	25 14	1 47	2 26	1 37	23 8	0 6	3 18	0 38	21 58	0 23	13 56	16 48	14 59	15 16	18 0	3 12	3 0
S 11	10 29	15 33	0n 8	0n43	2 25	6 29	1 14	25 12	1 46	2 23	1 37	23 7	0 6	3 19	0 38	21 58	0 23	13 56	16 48	14 59	15 15	18 3	3 13	3 0
M12	10 50	19 54	1 12	1 27	2 21	6 58	1 13	25 10	1 46	2 20	1 37	23 7	0 6	3 21	0 38	21 58	0 23	13 56	16 49	14 59	15 14	18 5	3 15	3 1
T 13	11 11	23 29	2 14	2 12	2 17	7 27	1 12	25 8	1 45	2 18	1 37	23 7	0 6	3 22	0 38	21 58	0 23	13 55	16 49	14 59	15 13	18 8	3 16	3 1
W14	11 32	26 5	3 10	2 59	2 11	7 56	1 10	25 6	1 45	2 15	1 36	23 7	0 6	3 23	0 38	21 58	0 23	13 55	16 49	15 0	15 12	18 11	3 17	3 1
T 15	11 52	27 32	3 59	3 46	2 6	8 25	1 9	25 3	1 44	2 13	1 36	23 6	0 6	3 24	0 38	21 58	0 23	13 54	16 49	15 0	15 11	18 13	3 19	3 1
F 16	12 12	27 42	4 37	4 34	1 59	8 53	1 7	25 1	1 44	2 10	1 36	23 6	0 7	3 26	0 38	21 58	0 23	13 54	16 49	15 0	15 10	18 16	3 20	3 1
S 17	12 32	26 30	5 4	5 23	1 53	9 21	1 6	24 58	1 43	2 8	1 36	23 6	0 7	3 27	0 38	21 58	0 23	13 54	16 49	15 0	15 9	18 19	3 21	3 1
S 18	12 52	23 56	5 17	6 13	1 45	9 49	1 4	24 55	1 43	2 5	1 36	23 5	0 7	3 28	0 38	21 58	0 23	13 53	16 50	15 0	15 8	18 22	3 23	3 1
M19	13 12	20 7	5 14	7 3	1 38	10 17	1 3	24 52	1 42	2 3	1 36	23 5	0 7	3 30	0 38	21 58	0 23	13 53	16 50	15 0	15 7	18 24	3 24	3 1
T 20	13 31	15 10	4 54	7 55	1 30	10 45	1 1	24 49	1 42	2 1	1 36	23 5	0 7	3 31	0 38	21 58	0 23	13 53	16 50	15 0	15 6	18 27	3 25	3 1
W21	13 50	9 17	4 17	8 46	1 21	11 12	0 59	24 46	1 41	1 59	1 35	23 4	0 7	3 32	0 38	21 57	0 23	13 52	16 50	15 0	15 5	18 29	3 27	3 1
T 22	14 9	2 46	3 23	9 38	1 12	11 39	0 57	24 42	1 41	1 56	1 35	23 4	0 7	3 33	0 38	21 57	0 23	13 52	16 50	15 0	15 4	18 32	3 28	3 1
F 23	14 28	4s 6	2 14	10 30	1 3	12 6	0 55	24 39	1 40	1 54	1 35	23 4	0 7	3 34	0 38	21 57	0 23	13 52	16 50	15 0	15 3	18 35	3 29	3 1
S 24	14 47	10 53	0 54	11 22	0 53	12 33	0 54	24 35	1 40	1 52	1 35	23 3	0 7	3 36	0 38	21 57	0 23	13 51	16 51	15 0	15 2	18 37	3 30	3 1
S 25	15 5	17 7	0s30	12 15	0 43	12 59	0 52	24 31	1 39	1 50	1 35	23 3	0 7	3 37	0 38	21 57	0 23	13 51	16 51	15 0	15 1	18 40	3 32	3 1
M26	15 23	22 16	1 52	13 7	0 33	13 25	0 50	24 27	1 39	1 48	1 34	23 3	0 7	3 38	0 38	21 57	0 23	13 51	16 51	15 0	15 0	18 43	3 33	3 1
T 27	15 41	25 53	3 5	13 59	0 23	13 51	0 48	24 23	1 38	1 46	1 34	23 2	0 7	3 39	0 38	21 57	0 23	13 51	16 51	15 0	14 59	18 45	3 34	3 1
W28	15 58	27 38	4 5	14 50	0 12	14 16	0 46	24 19	1 38	1 44	1 34	23 2	0 8	3 40	0 38	21 57	0 23	13 50	16 52	15 0	14 58	18 48	3 35	3 1
T 29	16 15	27 28	4 47	15 40	0 2	14 41	0 44	24 14	1 37	1 43	1 34	23 1	0 8	3 42	0 38	21 57	0 23	13 50	16 52	15 0	14 57	18 51	3 36	3 1
F 30	16n32	25s32	5s11	16n30	0n 9	15n 5	0s42	24n 9	1n37	1s41	1n34	23n 1	0n 8	3n43	0s38	21n56	0s23	13s50	16s52	15n 0	14n56	18n53	3n38	3n 1

Julian Day Number = 2120001.5, Delta T = 18m08s
Ecliptic obliquity = 23°33'32, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°05'09, Lahiri = 11°12'09 Julian Calendar 1 Apr. 1092 == Greg. Calendar 7 Apr. 1092

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1092
geocentric

MAY 1092 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 0 21	16♉23'03	12♒30	16♉58	14♉ 0	16♋54	7°R44	13♋26	10♈52	18♋15	4♈ 3	10°D20	10♉ 6	20♉42	2♈12	S 1
S 2	15 4 18	17°20'41	25°36	19°10	15°14	17°28	7♎39	13°31	10°55	18°16	4° 4	10♉20	10° 3	20°49	2°15	S 2
M 3	15 8 15	18°18'18	8♓21	21°21	16°28	18° 2	7°35	13°36	10°58	18°17	4° 5	10°20	10° 0	20°55	2°18	M 3
T 4	15 12 11	19°15'54	20°47	23°32	17°42	18°37	7°31	13°42	11° 1	18°19	4° 6	10°21	9°56	21° 2	2°20	T 4
W 5	15 16 8	20°13'29	2♈59	25°43	18°55	19°11	7°26	13°48	11° 4	18°20	4° 7	10°22	9°53	21° 8	2°23	W 5
T 6	15 20 4	21°11'03	15° 0	27°52	20° 9	19°45	7°22	13°53	11° 6	18°21	4° 8	10°23	9°50	21°15	2°26	T 6
F 7	15 24 1	22° 8'36	26°54	0♊ 1	21°23	20°20	7°19	13°59	11° 9	18°23	4°10	10°24	9°47	21°22	2°28	F 7
S 8	15 27 57	23° 6'07	8♉43	2° 8	22°37	20°54	7°15	14° 5	11°12	18°24	4°11	10°R24	9°44	21°28	2°31	S 8
S 9	15 31 54	24° 3'38	20°30	4°13	23°50	21°29	7°12	14°11	11°15	18°25	4°12	10°24	9°40	21°35	2°34	S 9
M10	15 35 50	25° 1'08	2♊18	6°17	25° 4	22° 4	7° 8	14°16	11°18	18°27	4°13	10°23	9°37	21°42	2°36	M10
T 11	15 39 47	25°58'37	14° 8	8°18	26°18	22°38	7° 5	14°22	11°20	18°28	4°14	10°21	9°34	21°48	2°39	T 11
W12	15 43 44	26°56'05	26° 3	10°18	27°32	23°13	7° 2	14°28	11°23	18°30	4°14	10°19	9°31	21°55	2°41	W12
T 13	15 47 40	27°53'31	8♋ 5	12°15	28°45	23°48	7° 0	14°35	11°25	18°31	4°15	10°16	9°28	22° 2	2°43	T 13
F 14	15 51 37	28°50'57	20°17	14°10	29°59	24°23	6°57	14°41	11°28	18°33	4°16	10°14	9°25	22° 8	2°46	F 14
S 15	15 55 33	29°48'21	2♌42	16° 2	1♊13	24°58	6°55	14°47	11°31	18°35	4°17	10°11	9°21	22°15	2°48	S 15
S 16	15 59 30	0♊45'44	15°22	17°52	2°27	25°33	6°52	14°53	11°33	18°36	4°18	10°10	9°18	22°22	2°50	S 16
M17	16 3 26	1°43'06	28°21	19°39	3°40	26° 8	6°50	14°59	11°36	18°38	4°19	10°D 9	9°15	22°28	2°53	M17
T 18	16 7 23	2°40'26	11♍41	21°24	4°54	26°43	6°48	15° 6	11°38	18°39	4°20	10° 9	9°12	22°35	2°55	T 18
W19	16 11 19	3°37'46	25°25	23° 6	6° 8	27°18	6°47	15°12	11°40	18°41	4°21	10°10	9° 9	22°42	2°57	W19
T 20	16 15 16	4°35'04	9♎34	24°46	7°21	27°53	6°45	15°19	11°43	18°43	4°22	10°11	9° 6	22°48	2°59	T 20
F 21	16 19 13	5°32'22	24° 6	26°23	8°35	28°28	6°44	15°25	11°45	18°45	4°22	10°13	9° 2	22°55	3° 1	F 21
S 22	16 23 9	6°29'38	8♏57	27°57	9°49	29° 3	6°43	15°32	11°48	18°46	4°23	10°R13	8°59	23° 2	3° 3	S 22
S 23	16 27 6	7°26'54	24° 3	29°28	11° 2	29°38	6°42	15°38	11°50	18°48	4°24	10°13	8°56	23° 8	3° 5	S 23
M24	16 31 2	8°24'09	9♐14	0♋57	12°16	0♌14	6°41	15°45	11°52	18°50	4°25	10°11	8°53	23°15	3° 7	M24
T 25	16 34 59	9°21'23	24°21	2°23	13°30	0°49	6°40	15°52	11°54	18°52	4°25	10° 8	8°50	23°21	3° 9	T 25
W26	16 38 55	10°18'37	9♑14	3°46	14°43	1°25	6°40	15°59	11°56	18°53	4°26	10° 4	8°46	23°28	3°11	W26
T 27	16 42 52	11°15'50	23°47	5° 6	15°57	2° 0	6°40	16° 5	11°59	18°55	4°27	10° 0	8°43	23°35	3°13	T 27
F 28	16 46 48	12°13'03	7♒53	6°23	17°11	2°35	6°D40	16°12	12° 1	18°57	4°27	9°56	8°40	23°41	3°14	F 28
S 29	16 50 45	13°10'16	21°31	7°38	18°24	3°11	6°40	16°19	12° 3	18°59	4°28	9°53	8°37	23°48	3°16	S 29
S 30	16 54 42	14° 7'29	4♓41	8°49	19°38	3°47	6°40	16°26	12° 5	19° 1	4°29	9°51	8°34	23°55	3°18	S 30
M31	16 58 38	15♊ 4'41	17♓26	9♋58	20♊52	4♌22	6♎40	16♋33	12♈ 7	19♋ 3	4♈29	9°D50	8♉31	24♉ 1	3♈19	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n49	22s12	5s17	17n18	0n19	15n30	0s40	24n 5	1n36	1s39	1n33	23n 0	0n 8	3n44	0s39	21n56	0s23	13s50	16s52	15n 0	14n55	18n56	3n39	3n 1
S 2	17 6	17 51	5 6	18 5	0 30	15 53	0 37	24 0	1 36	1 38	1 33	23 0	0 8	3 45	0 39	21 56	0 22	13 49	16 52	15 0	14 54	18 58	3 40	3 1
M 3	17 22	12 49	4 41	18 50	0 40	16 17	0 35	23 55	1 35	1 36	1 33	22 59	0 8	3 46	0 39	21 56	0 22	13 49	16 53	15 0	14 53	19 1	3 41	3 1
T 4	17 38	7 22	4 2	19 33	0 50	16 40	0 33	23 50	1 35	1 35	1 33	22 59	0 8	3 47	0 39	21 56	0 22	13 49	16 53	15 0	14 52	19 4	3 42	3 1
W 5	17 53	1 45	3 13	20 15	0 59	17 2	0 31	23 44	1 34	1 33	1 32	22 58	0 8	3 48	0 39	21 56	0 22	13 49	16 53	15 0	14 51	19 6	3 43	3 1
T 6	18 9	3n51	2 16	20 54	1 8	17 25	0 29	23 39	1 34	1 32	1 32	22 58	0 8	3 50	0 39	21 55	0 22	13 49	16 53	15 0	14 50	19 9	3 45	3 1
F 7	18 24	9 16	1 14	21 31	1 17	17 46	0 26	23 33	1 34	1 31	1 32	22 57	0 8	3 51	0 39	21 55	0 22	13 48	16 54	15 1	14 49	19 11	3 46	3 2
S 8	18 38	14 20	0 9	22 5	1 25	18 8	0 24	23 27	1 33	1 29	1 32	22 57	0 8	3 52	0 39	21 55	0 22	13 48	16 54	15 1	14 48	19 14	3 47	3 2
S 9	18 53	18 52	0n56	22 37	1 33	18 28	0 22	23 21	1 33	1 28	1 31	22 56	0 8	3 53	0 39	21 55	0 22	13 48	16 54	15 1	14 47	19 17	3 48	3 2
M10	19 7	22 39	1 58	23 6	1 39	18 49	0 20	23 15	1 32	1 27	1 31	22 56	0 8	3 54	0 39	21 55	0 22	13 48	16 54	15 0	14 46	19 19	3 49	3 2
T 11	19 21	25 31	2 56	23 32	1 46	19 9	0 17	23 9	1 32	1 26	1 31	22 55	0 9	3 55	0 39	21 55	0 22	13 48	16 55	15 0	14 45	19 22	3 50	3 2
W12	19 34	27 16	3 46	23 56	1 51	19 28	0 15	23 3	1 31	1 25	1 31	22 55	0 9	3 56	0 39	21 54	0 22	13 48	16 55	14 59	14 44	19 24	3 51	3 2
T 13	19 47	27 45	4 27	24 17	1 56	19 47	0 13	22 56	1 31	1 24	1 30	22 54	0 9	3 57	0 39	21 54	0 22	13 48	16 55	14 58	14 43	19 27	3 52	3 2
F 14	20 0	26 54	4 57	24 36	2 0	20 5	0 10	22 50	1 30	1 24	1 30	22 54	0 9	3 58	0 39	21 54	0 22	13 48	16 56	14 58	14 42	19 30	3 53	3 2
S 15	20 13	24 43	5 13	24 52	2 3	20 23	0 8	22 43	1 30	1 23	1 30	22 53	0 9	3 59	0 39	21 54	0 22	13 47	16 56	14 57	14 41	19 32	3 54	3 2
S 16	20 25	21 18	5 14	25 5	2 6	20 40	0 5	22 36	1 29	1 22	1 30	22 52	0 9	4 0	0 39	21 54	0 22	13 47	16 56	14 56	14 40	19 35	3 55	3 2
M17	20 37	16 47	5 0	25 16	2 8	20 56	0 3	22 29	1 29	1 22	1 29	22 52	0 9	4 1	0 39	21 53	0 22	13 47	16 57	14 56	14 39	19 37	3 56	3 2
T 18	20 48	11 21	4 29	25 25	2 9	21 12	0 1	22 22	1 28	1 21	1 29	22 51	0 9	4 2	0 39	21 53	0 22	13 47	16 57	14 56	14 38	19 40	3 57	3 2
W19	20 59	5 14	3 42	25 31	2 9	21 28	0n 2	22 14	1 28	1 21	1 29	22 50	0 9	4 3	0 39	21 53	0 22	13 47	16 57	14 56	14 37	19 42	3 58	3 2
T 20	21 10	1s21	2 41	25 36	2 8	21 43	0 4	22 7	1 27	1 20	1 29	22 50	0 9	4 4	0 39	21 53	0 22	13 47	16 57	14 57	14 36	19 45	3 59	3 2
F 21	21 20	8 2	1 28	25 38	2 7	21 57	0 6	21 59	1 27	1 20	1 28	22 49	0 9	4 4	0 39	21 53	0 22	13 47	16 58	14 57	14 35	19 47	4 0	3 3
S 22	21 30	14 27	0 7	25 38	2 5	22 11	0 9	21 51	1 26	1 20	1 28	22 48	0 9	4 5	0 39	21 52	0 22	13 47	16 58	14 57	14 34	19 50	4 1	3 3
S 23	21 40	20 6	1s15	25 36	2 2	22 24	0 11	21 43	1 26	1 20	1 28	22 48	0 10	4 6	0 39	21 52	0 22	13 47	16 58	14 57	14 33	19 52	4 2	3 3
M24	21 49	24 28	2 33	25 32	1 59	22 36	0 14	21 35	1 25	1 20	1 27	22 47	0 10	4 7	0 39	21 52	0 22	13 47	16 59	14 57	14 32	19 55	4 2	3 3
T 25	21 58	27 5	3 39	25 27	1 55	22 48	0 16	21 27	1 25	1 20	1 27	22 46	0 10	4 8	0 39	21 52	0 22	13 47	16 59	14 56	14 31	19 57	4 3	3 3
W26	22 6	27 42	4 29	25 20	1 50	22 59	0 18	21 19	1 24	1 20	1 27	22 46	0 10	4 9	0 39	21 51	0 22	13 47	16 59	14 54	14 30	20 0	4 4	3 3
T 27	22 14	26 23	5 0	25 12	1 44	23 9	0 21	21 10	1 24	1 20	1 27	22 45	0 10	4 10	0 39	21 51	0 22	13 47	17 0	14 53	14 29	20 2	4 5	3 3
F 28	22 22	23 25	5 13	25 2	1 38	23 19	0 23	21 2	1 23	1 20	1 26	22 44	0 10	4 10	0 39	21 51	0 22	13 47	17 0	14 52	14 28	20 5	4 6	3 3
S 29	22 30	19 14	5 6	24 51	1 31	23 28	0 25	20 53	1 23	1 20	1 26	22 43	0 10	4 11	0 39	21 51	0 22	13 47	17 0	14 51	14 27	20 7	4 6	3 3
S 30	22 37	14 14	4 44	24 39	1 24	23 37	0 27	20 44	1 22	1 21	1 26	22 43	0 10	4 12	0 39	21 50	0 22	13 47	17 1	14 50	14 26	20 10	4 7	3 3
M31	22n43	8s47	4s 8	24n26	1n15	23n44	0n30	20n35	1n22	1s21	1n26	22n42	0n10	4n13	0s39	21n50	0s22	13s47	17s 1	14n50	14n25	20n12	4n 8	3n 3

Julian Day Number = 2120031.5, Delta T = 18m07s
Ecliptic obliquity = 23°33'32, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°05'13, Lahiri = 11°12'13 Julian Calendar 1 May 1092 == Greg. Calendar 7 May 1092

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1092
geocentric

JUNE 1092 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 2 35	16♊ 1'53	29♓51	11♋ 3	22♊ 5	4♌58	6♎41	16♋40	12♈ 9	19♋ 5	4♈30	9♉51	8♉27	24♉ 8	3♈21	T 1
W 2	17 6 31	16°59'05	11♈58	12° 5	23°19	5°34	6°42	16°47	12°11	19° 7	4°30	9°53	8°24	24°15	3°23	W 2
T 3	17 10 28	17°56'17	23°55	13° 4	24°33	6° 9	6°43	16°54	12°12	19° 9	4°31	9°54	8°21	24°21	3°24	T 3
F 4	17 14 24	18°53'28	5♉44	14° 0	25°47	6°45	6°44	17° 1	12°14	19°10	4°32	9°R55	8°18	24°28	3°25	F 4
S 5	17 18 21	19°50'40	17°31	14°52	27° 0	7°21	6°45	17° 9	12°16	19°12	4°32	9°55	8°15	24°35	3°27	S 5
S 6	17 22 17	20°47'52	29°18	15°41	28°14	7°57	6°47	17°16	12°18	19°14	4°33	9°53	8°12	24°41	3°28	S 6
M 7	17 26 14	21°45'03	11♊ 9	16°26	29°28	8°33	6°49	17°23	12°19	19°16	4°33	9°49	8° 8	24°48	3°29	M 7
T 8	17 30 11	22°42'14	23° 5	17° 7	0♋41	9° 9	6°50	17°30	12°21	19°19	4°33	9°43	8° 5	24°55	3°31	T 8
W 9	17 34 7	23°39'26	5♋10	17°44	1°55	9°45	6°53	17°38	12°23	19°21	4°34	9°36	8° 2	25° 1	3°32	W 9
T 10	17 38 4	24°36'37	17°23	18°18	3° 9	10°21	6°55	17°45	12°24	19°23	4°34	9°28	7°59	25° 8	3°33	T 10
F 11	17 42 0	25°33'48	29°47	18°47	4°22	10°57	6°57	17°52	12°26	19°25	4°35	9°20	7°56	25°15	3°34	F 11
S 12	17 45 57	26°30'58	12♌23	19°12	5°36	11°33	7° 0	18° 0	12°27	19°27	4°35	9°13	7°52	25°21	3°35	S 12
S 13	17 49 53	27°28'09	25°12	19°32	6°50	12°10	7° 2	18° 7	12°29	19°29	4°35	9° 7	7°49	25°28	3°36	S 13
M14	17 53 50	28°25'19	8♍15	19°48	8° 3	12°46	7° 5	18°14	12°30	19°31	4°36	9° 3	7°46	25°34	3°37	M14
T 15	17 57 46	29°22'28	21°35	20° 0	9°17	13°22	7° 8	18°22	12°31	19°33	4°36	9° 1	7°43	25°41	3°38	T 15
W16	18 1 43	0♋19'38	5♎13	20° 7	10°31	13°59	7°12	18°29	12°33	19°35	4°36	9°D 1	7°40	25°48	3°39	W16
T 17	18 5 40	1°16'47	19°10	20°R 9	11°45	14°35	7°15	18°37	12°34	19°37	4°37	9° 2	7°37	25°54	3°39	T 17
F 18	18 9 36	2°13'56	3♏26	20° 6	12°58	15°11	7°19	18°44	12°35	19°39	4°37	9°R 3	7°33	26° 1	3°40	F 18
S 19	18 13 33	3°11'06	18° 1	19°59	14°12	15°48	7°22	18°52	12°36	19°42	4°37	9° 2	7°30	26° 8	3°41	S 19
S 20	18 17 29	4° 8'15	2♐50	19°47	15°26	16°24	7°26	19° 0	12°37	19°44	4°37	9° 0	7°27	26°14	3°41	S 20
M21	18 21 26	5° 5'24	17°47	19°31	16°39	17° 1	7°30	19° 7	12°38	19°46	4°37	8°56	7°24	26°21	3°42	M21
T 22	18 25 22	6° 2'34	2♑44	19°10	17°53	17°38	7°35	19°15	12°39	19°48	4°38	8°49	7°21	26°28	3°42	T 22
W23	18 29 19	6°59'43	17°32	18°45	19° 7	18°14	7°39	19°22	12°40	19°50	4°38	8°41	7°18	26°34	3°43	W23
T 24	18 33 16	7°56'54	2♒ 4	18°16	20°20	18°51	7°44	19°30	12°41	19°52	4°38	8°32	7°14	26°41	3°43	T 24
F 25	18 37 12	8°54'04	16°12	17°44	21°34	19°28	7°48	19°38	12°42	19°55	4°38	8°24	7°11	26°48	3°44	F 25
S 26	18 41 9	9°51'15	29°54	17° 9	22°48	20° 4	7°53	19°45	12°43	19°57	4°38	8°16	7° 8	26°54	3°44	S 26
S 27	18 45 5	10°48'27	13♓ 7	16°31	24° 1	20°41	7°58	19°53	12°44	19°59	4°38	8°11	7° 5	27° 1	3°44	S 27
M28	18 49 2	11°45'39	25°55	15°52	25°15	21°18	8° 3	20° 1	12°44	20° 1	4°R38	8° 8	7° 2	27° 8	3°44	M28
T 29	18 52 58	12°42'53	8♈21	15°12	26°29	21°55	8° 9	20° 8	12°45	20° 3	4°38	8°D 6	6°58	27°14	3°44	T 29
W30	18 56 55	13♋40'07	20♈29	14♋30	27♋42	22♌32	8♎14	20♋16	12♈46	20♋ 6	4♈38	8♉ 6	6♉55	27♉21	3♈45	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n49	3s 8	3s21	24n12	1n 7	23n51	0n32	20n26	1n21	1s22	1n25	22n41	0n10	4n13	0s39	21n50	0s22	13s47	17s 1	14n50	14n24	20n15	4n 9	3n 4
W 2	22 55	2n31	2 27	23 57	0 57	23 58	0 34	20 17	1 21	1 22	1 25	22 40	0 10	4 14	0 39	21 50	0 22	13 47	17 2	14 51	14 23	20 17	4 9	3 4
T 3	23 1	7 59	1 26	23 42	0 47	24 3	0 36	20 7	1 20	1 23	1 25	22 39	0 10	4 15	0 39	21 49	0 22	13 48	17 2	14 51	14 22	20 20	4 10	3 4
F 4	23 5	13 8	0 23	23 25	0 36	24 8	0 39	19 58	1 20	1 24	1 24	22 39	0 10	4 16	0 39	21 49	0 22	13 48	17 2	14 52	14 21	20 22	4 11	3 4
S 5	23 10	17 48	0n41	23 8	0 25	24 12	0 41	19 48	1 19	1 24	1 24	22 38	0 11	4 16	0 39	21 49	0 22	13 48	17 3	14 52	14 19	20 25	4 11	3 4
S 6	23 14	21 47	1 43	22 51	0 13	24 16	0 43	19 38	1 19	1 25	1 24	22 37	0 11	4 17	0 39	21 49	0 22	13 48	17 3	14 51	14 18	20 27	4 12	3 4
M 7	23 18	24 53	2 41	22 33	0 1	24 18	0 45	19 28	1 18	1 26	1 24	22 36	0 11	4 17	0 39	21 48	0 22	13 48	17 3	14 50	14 17	20 30	4 13	3 4
T 8	23 21	26 55	3 32	22 15	0s12	24 21	0 47	19 18	1 18	1 27	1 23	22 35	0 11	4 18	0 39	21 48	0 22	13 48	17 4	14 48	14 16	20 32	4 13	3 4
W 9	23 24	27 42	4 15	21 57	0 25	24 22	0 49	19 8	1 17	1 28	1 23	22 34	0 11	4 19	0 39	21 48	0 22	13 48	17 4	14 46	14 15	20 35	4 14	3 4
T 10	23 27	27 8	4 46	21 39	0 39	24 22	0 51	18 58	1 17	1 29	1 23	22 33	0 11	4 19	0 39	21 48	0 22	13 49	17 4	14 43	14 14	20 37	4 14	3 5
F 11	23 29	25 14	5 4	21 21	0 53	24 22	0 53	18 47	1 16	1 31	1 22	22 32	0 11	4 20	0 39	21 47	0 22	13 49	17 5	14 41	14 13	20 40	4 15	3 5
S 12	23 31	22 5	5 7	21 3	1 8	24 21	0 55	18 37	1 16	1 32	1 22	22 32	0 11	4 20	0 39	21 47	0 22	13 49	17 5	14 38	14 12	20 42	4 15	3 5
S 13	23 32	17 49	4 56	20 46	1 23	24 20	0 57	18 26	1 15	1 33	1 22	22 31	0 11	4 21	0 39	21 47	0 22	13 49	17 6	14 36	14 11	20 44	4 16	3 5
M14	23 33	12 40	4 29	20 28	1 38	24 17	0 59	18 15	1 15	1 35	1 22	22 30	0 11	4 21	0 39	21 46	0 22	13 49	17 6	14 35	14 10	20 47	4 16	3 5
T 15	23 33	6 50	3 47	20 12	1 53	24 14	1 1	18 5	1 14	1 36	1 21	22 29	0 11	4 22	0 39	21 46	0 22	13 49	17 6	14 34	14 9	20 49	4 17	3 5
W16	23 34	0 33	2 52	19 55	2 9	24 11	1 2	17 54	1 14	1 38	1 21	22 28	0 11	4 22	0 39	21 46	0 22	13 50	17 7	14 34	14 8	20 52	4 17	3 5
T 17	23 33	5s55	1 45	19 40	2 24	24 6	1 4	17 42	1 13	1 39	1 21	22 27	0 12	4 23	0 40	21 46	0 22	13 50	17 7	14 35	14 7	20 54	4 18	3 5
F 18	23 32	12 15	0 30	19 25	2 39	24 1	1 6	17 31	1 13	1 41	1 21	22 26	0 12	4 23	0 40	21 45	0 22	13 50	17 7	14 35	14 6	20 57	4 18	3 5
S 19	23 31	18 3	0s48	19 11	2 54	23 55	1 7	17 20	1 12	1 43	1 20	22 25	0 12	4 24	0 40	21 45	0 22	13 50	17 8	14 35	14 5	20 59	4 18	3 6
S 20	23 30	22 51	2 4	18 59	3 9	23 48	1 9	17 8	1 12	1 45	1 20	22 24	0 12	4 24	0 40	21 45	0 22	13 51	17 8	14 34	14 4	21 1	4 19	3 6
M21	23 28	26 11	3 12	18 47	3 23	23 41	1 11	16 57	1 11	1 46	1 20	22 23	0 12	4 25	0 40	21 44	0 22	13 51	17 8	14 33	14 3	21 4	4 19	3 6
T 22	23 25	27 39	4 7	18 36	3 37	23 33	1 12	16 45	1 11	1 48	1 19	22 22	0 12	4 25	0 40	21 44	0 22	13 51	17 9	14 31	14 2	21 6	4 19	3 6
W23	23 22	27 6	4 45	18 27	3 50	23 24	1 14	16 33	1 10	1 50	1 19	22 21	0 12	4 25	0 40	21 44	0 22	13 52	17 9	14 28	14 1	21 8	4 20	3 6
T 24	23 19	24 43	5 3	18 18	4 2	23 15	1 15	16 21	1 10	1 52	1 19	22 20	0 12	4 26	0 40	21 43	0 22	13 52	17 10	14 25	14 0	21 11	4 20	3 6
F 25	23 15	20 51	5 2	18 12	4 13	23 5	1 16	16 9	1 9	1 54	1 19	22 19	0 12	4 26	0 40	21 43	0 22	13 52	17 10	14 22	13 59	21 13	4 20	3 6
S 26	23 11	15 59	4 44	18 6	4 23	22 54	1 18	15 57	1 9	1 57	1 18	22 18	0 12	4 26	0 40	21 43	0 22	13 52	17 10	14 20	13 58	21 16	4 20	3 6
S 27	23 7	10 31	4 10	18 2	4 32	22 42	1 19	15 45	1 8	1 59	1 18	22 17	0 12	4 26	0 40	21 43	0 21	13 53	17 11	14 18	13 57	21 18	4 20	3 6
M28	23 2	4 46	3 26	18 0	4 39	22 30	1 20	15 32	1 8	2 1	1 18	22 16	0 12	4 27	0 40	21 42	0 21	13 53	17 11	14 17	13 56	21 20	4 21	3 7
T 29	22 57	1n 0	2 32	17 59	4 44	22 17	1 21	15 20	1 7	2 3	1 18	22 15	0 13	4 27	0 40	21 42	0 21	13 53	17 11	14 17	13 55	21 23	4 21	3 7
W30	22n51	6n36	1s33	17n59	4s48	22n 4	1n22	15n 7	1n 7	2s 6	1n17	22n14	0n13	4n27	0s40	21n42	0s21	13s54	17s12	14n17	13n54	21n25	4n21	3n 7

Julian Day Number = 2120062.5, Delta T = 18m07s
Ecliptic obliquity = 23°33'32, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°05'17, Lahiri = 11°12'18 Julian Calendar 1 June 1092 == Greg. Calendar 7 June 1092

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1092
geocentric

JULY 1092 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 0 51	14♋37'21	2♉25	13°R49	28♋56	23♌ 9	8♎20	20♋24	12♈46	20♋ 8	4°R38	8°R 7	6♉52	27♉28	3°R45	T 1
F 2	19 4 48	15°34'37	14°13	13♋ 9	0♌10	23°46	8°25	20°32	12°47	20°10	4♈38	8♉ 7	6°49	27°34	3♈45	F 2
S 3	19 8 45	16°31'54	26° 0	12°31	1°23	24°23	8°31	20°39	12°47	20°12	4°38	8° 5	6°46	27°41	3°44	S 3
S 4	19 12 41	17°29'11	7♊50	11°55	2°37	25° 0	8°37	20°47	12°48	20°15	4°38	8° 1	6°43	27°48	3°44	S 4
M 5	19 16 38	18°26'30	19°46	11°22	3°51	25°37	8°44	20°55	12°48	20°17	4°38	7°55	6°39	27°54	3°44	M 5
T 6	19 20 34	19°23'49	1♋51	10°52	5° 4	26°14	8°50	21° 2	12°48	20°19	4°37	7°46	6°36	28° 1	3°44	T 6
W 7	19 24 31	20°21'09	14° 8	10°27	6°18	26°52	8°56	21°10	12°49	20°21	4°37	7°35	6°33	28° 8	3°44	W 7
T 8	19 28 27	21°18'30	26°36	10° 7	7°32	27°29	9° 3	21°18	12°49	20°23	4°37	7°23	6°30	28°14	3°43	T 8
F 9	19 32 24	22°15'51	9♌18	9°51	8°45	28° 6	9°10	21°26	12°49	20°26	4°37	7°10	6°27	28°21	3°43	F 9
S 10	19 36 20	23°13'14	22°11	9°42	9°59	28°44	9°17	21°33	12°49	20°28	4°37	6°59	6°24	28°28	3°42	S 10
S 11	19 40 17	24°10'37	5♍16	9°D38	11°13	29°21	9°24	21°41	12°49	20°30	4°36	6°50	6°20	28°34	3°42	S 11
M12	19 44 14	25° 8'00	18°33	9°40	12°26	29°59	9°31	21°49	12°R49	20°32	4°36	6°43	6°17	28°41	3°41	M12
T 13	19 48 10	26° 5'25	2♎ 2	9°48	13°40	0♍36	9°38	21°57	12°49	20°35	4°36	6°39	6°14	28°47	3°41	T 13
W14	19 52 7	27° 2'50	15°42	10° 3	14°54	1°14	9°45	22° 4	12°49	20°37	4°35	6°37	6°11	28°54	3°40	W14
T 15	19 56 3	28° 0'16	29°35	10°24	16° 7	1°51	9°53	22°12	12°49	20°39	4°35	6°37	6° 8	29° 1	3°39	T 15
F 16	20 0 0	28°57'42	13♏41	10°52	17°21	2°29	10° 1	22°20	12°49	20°41	4°35	6°37	6° 4	29° 7	3°38	F 16
S 17	20 3 56	29°55'09	27°59	11°27	18°34	3° 7	10° 8	22°28	12°49	20°43	4°34	6°35	6° 1	29°14	3°38	S 17
S 18	20 7 53	0♌52'38	12♐27	12° 7	19°48	3°44	10°16	22°35	12°49	20°46	4°34	6°32	5°58	29°21	3°37	S 18
M19	20 11 49	1°50'07	27° 2	12°55	21° 2	4°22	10°24	22°43	12°48	20°48	4°34	6°26	5°55	29°27	3°36	M19
T 20	20 15 46	2°47'37	11♑38	13°48	22°15	5° 0	10°32	22°51	12°48	20°50	4°33	6°18	5°52	29°34	3°35	T 20
W21	20 19 43	3°45'08	26° 7	14°48	23°29	5°38	10°41	22°58	12°48	20°52	4°33	6° 7	5°49	29°41	3°34	W21
T 22	20 23 39	4°42'40	10♒25	15°54	24°42	6°16	10°49	23° 6	12°47	20°54	4°32	5°56	5°45	29°47	3°33	T 22
F 23	20 27 36	5°40'14	24°23	17° 5	25°56	6°53	10°58	23°14	12°47	20°57	4°32	5°44	5°42	29°54	3°32	F 23
S 24	20 31 32	6°37'48	7♓59	18°23	27° 9	7°31	11° 6	23°21	12°46	20°59	4°31	5°34	5°39	0♊ 1	3°30	S 24
S 25	20 35 29	7°35'24	21°10	19°45	28°23	8° 9	11°15	23°29	12°45	21° 1	4°31	5°26	5°36	0° 7	3°29	S 25
M26	20 39 25	8°33'02	3♈58	21°13	29°37	8°47	11°24	23°36	12°45	21° 3	4°30	5°21	5°33	0°14	3°28	M26
T 27	20 43 22	9°30'41	16°24	22°46	0♍50	9°26	11°33	23°44	12°44	21° 5	4°29	5°18	5°30	0°21	3°27	T 27
W28	20 47 18	10°28'22	28°33	24°22	2° 4	10° 4	11°42	23°51	12°43	21° 7	4°29	5°17	5°26	0°27	3°25	W28
T 29	20 51 15	11°26'04	10♉30	26° 3	3°17	10°42	11°51	23°59	12°43	21° 9	4°28	5°17	5°23	0°34	3°24	T 29
F 30	20 55 12	12°23'48	22°20	27°48	4°31	11°20	12° 0	24° 6	12°42	21°12	4°28	5°17	5°20	0°41	3°22	F 30
S 31	20 59 8	13♌21'34	4♊ 8	29♋36	5♍44	11♍58	12♎ 9	24♋14	12♈41	21♋14	4♈27	5♉16	5♉17	0♊47	3♈21	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n45	11n54	0s30	18n 1	4s51	21n50	1n23	14n55	1n 6	2s 8	1n17	22n13	0n13	4n27	0s40	21n41	0s21	13s54	17s12	14n17	13n53	21n27	4n21	3n 7
F 2	22 39	16 42	0n33	18 4	4 51	21 35	1 24	14 42	1 6	2 11	1 17	22 12	0 13	4 28	0 40	21 41	0 21	13 54	17 12	14 17	13 51	21 30	4 21	3 7
S 3	22 32	20 52	1 34	18 9	4 50	21 20	1 25	14 29	1 5	2 13	1 17	22 10	0 13	4 28	0 40	21 41	0 21	13 55	17 13	14 16	13 50	21 32	4 21	3 7
S 4	22 25	24 13	2 31	18 15	4 48	21 4	1 26	14 16	1 5	2 16	1 16	22 9	0 13	4 28	0 40	21 40	0 21	13 55	17 13	14 15	13 49	21 34	4 21	3 7
M 5	22 17	26 31	3 22	18 22	4 43	20 47	1 27	14 3	1 4	2 19	1 16	22 8	0 13	4 28	0 40	21 40	0 21	13 56	17 14	14 13	13 48	21 37	4 21	3 7
T 6	22 9	27 38	4 5	18 30	4 37	20 30	1 27	13 50	1 4	2 21	1 16	22 7	0 13	4 28	0 40	21 40	0 21	13 56	17 14	14 10	13 47	21 39	4 21	3 7
W 7	22 0	27 23	4 37	18 40	4 30	20 13	1 28	13 37	1 3	2 24	1 16	22 6	0 13	4 28	0 40	21 39	0 21	13 56	17 14	14 7	13 46	21 41	4 21	3 7
T 8	21 52	25 46	4 56	18 50	4 21	19 54	1 28	13 23	1 3	2 27	1 15	22 5	0 13	4 28	0 40	21 39	0 21	13 57	17 15	14 3	13 45	21 44	4 21	3 8
F 9	21 43	22 51	5 1	19 2	4 11	19 35	1 29	13 10	1 2	2 30	1 15	22 4	0 13	4 28	0 40	21 39	0 21	13 57	17 15	13 59	13 44	21 46	4 21	3 8
S 10	21 33	18 46	4 51	19 14	3 59	19 16	1 29	12 56	1 2	2 33	1 15	22 3	0 13	4 28	0 40	21 38	0 21	13 58	17 15	13 55	13 43	21 48	4 21	3 8
S 11	21 23	13 44	4 25	19 26	3 47	18 56	1 30	12 43	1 1	2 36	1 15	22 2	0 14	4 28	0 40	21 38	0 21	13 58	17 16	13 52	13 42	21 51	4 21	3 8
M12	21 13	8 0	3 45	19 39	3 34	18 36	1 30	12 29	1 1	2 39	1 14	22 0	0 14	4 28	0 40	21 38	0 21	13 58	17 16	13 49	13 41	21 53	4 21	3 8
T 13	21 2	1 49	2 52	19 53	3 20	18 15	1 30	12 15	1 0	2 42	1 14	21 59	0 14	4 28	0 40	21 37	0 21	13 59	17 16	13 48	13 40	21 55	4 21	3 8
W14	20 51	4s33	1 48	20 6	3 5	17 53	1 30	12 1	1 0	2 45	1 14	21 58	0 14	4 28	0 40	21 37	0 21	13 59	17 17	13 47	13 39	21 57	4 20	3 8
T 15	20 40	10 48	0 37	20 20	2 50	17 31	1 31	11 47	0 59	2 48	1 14	21 57	0 14	4 28	0 40	21 37	0 21	14 0	17 17	13 47	13 38	22 0	4 20	3 8
F 16	20 28	16 37	0s37	20 33	2 34	17 9	1 31	11 33	0 59	2 51	1 14	21 56	0 14	4 28	0 40	21 36	0 21	14 0	17 17	13 47	13 37	22 2	4 20	3 8
S 17	20 16	21 36	1 51	20 46	2 19	16 46	1 31	11 19	0 58	2 55	1 13	21 55	0 14	4 28	0 40	21 36	0 21	14 1	17 18	13 47	13 36	22 4	4 20	3 9
S 18	20 4	25 20	2 57	20 58	2 3	16 23	1 30	11 5	0 58	2 58	1 13	21 53	0 14	4 28	0 40	21 36	0 21	14 1	17 18	13 46	13 35	22 6	4 19	3 9
M19	19 51	27 24	3 53	21 9	1 47	15 59	1 30	10 51	0 57	3 1	1 13	21 52	0 14	4 28	0 40	21 35	0 21	14 2	17 18	13 44	13 34	22 9	4 19	3 9
T 20	19 38	27 35	4 33	21 20	1 31	15 35	1 30	10 36	0 57	3 5	1 13	21 51	0 14	4 28	0 40	21 35	0 21	14 2	17 19	13 41	13 33	22 11	4 19	3 9
W21	19 25	25 52	4 56	21 29	1 15	15 10	1 30	10 22	0 56	3 8	1 12	21 50	0 14	4 27	0 41	21 35	0 21	14 2	17 19	13 38	13 31	22 13	4 19	3 9
T 22	19 11	22 31	4 59	21 37	1 0	14 45	1 29	10 7	0 56	3 12	1 12	21 49	0 15	4 27	0 41	21 34	0 21	14 3	17 19	13 34	13 30	22 15	4 18	3 9
F 23	18 57	17 56	4 45	21 44	0 44	14 20	1 29	9 53	0 55	3 15	1 12	21 47	0 15	4 27	0 41	21 34	0 21	14 3	17 20	13 30	13 29	22 18	4 18	3 9
S 24	18 43	12 33	4 14	21 48	0 30	13 54	1 28	9 38	0 55	3 19	1 12	21 46	0 15	4 27	0 41	21 34	0 21	14 4	17 20	13 27	13 28	22 20	4 17	3 9
S 25	18 28	6 45	3 31	21 51	0 15	13 28	1 28	9 23	0 54	3 22	1 12	21 45	0 15	4 26	0 41	21 33	0 21	14 4	17 20	13 24	13 27	22 22	4 17	3 9
M26	18 13	0 50	2 38	21 51	0 2	13 1	1 27	9 8	0 53	3 26	1 11	21 44	0 15	4 26	0 41	21 33	0 21	14 5	17 21	13 22	13 26	22 24	4 17	3 9
T 27	17 58	4n58	1 38	21 49	0n11	12 34	1 26	8 53	0 53	3 30	1 11	21 43	0 15	4 26	0 41	21 33	0 21	14 5	17 21	13 21	13 25	22 27	4 16	3 9
W28	17 42	10 27	0 36	21 44	0 24	12 7	1 25	8 39	0 52	3 33	1 11	21 41	0 15	4 26	0 41	21 33	0 21	14 6	17 21	13 21	13 24	22 29	4 16	3 9
T 29	17 26	15 29	0n28	21 37	0 35	11 40	1 25	8 23	0 52	3 37	1 11	21 40	0 15	4 25	0 41	21 32	0 21	14 6	17 22	13 21	13 23	22 31	4 15	3 10
F 30	17 10	19 53	1 29	21 27	0 46	11 12	1 24	8 8	0 51	3 41	1 11	21 39	0 15	4 25	0 41	21 32	0 21	14 7	17 22	13 21	13 22	22 33	4 15	3 10
S 31	16n54	23n29	2n27	21n15	0n56	10n44	1n23	7n53	0n51	3s45	1n10	21n38	0n15	4n25	0s41	21n32	0s21	14s 7	17s22	13n20	13n21	22n35	4n14	3n10

Julian Day Number = 2120092.5, Delta T = 18m07s
Ecliptic obliquity = 23°33'32, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°05'21, Lahiri = 11°12'22 Julian Calendar 1 July 1092 == Greg. Calendar 7 July 1092

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1092
geocentric

AUGUST 1092 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 3 5	14♌19'21	16♊ 1	1♌26	6♍58	12♍37	12♎19	24♋21	12°R40	21♋16	4°R26	5°R12	5♉14	0♊54	3°R19	S 1
M 2	21 7 1	15°17'11	28° 2	3°19	8°11	13°15	12°28	24°29	12♈39	21°18	4♈26	5♉ 6	5°10	1° 1	3♈18	M 2
T 3	21 10 58	16°15'02	10♋15	5°14	9°25	13°54	12°38	24°36	12°38	21°20	4°25	4°57	5° 7	1° 7	3°16	T 3
W 4	21 14 54	17°12'54	22°42	7°10	10°38	14°32	12°48	24°44	12°37	21°22	4°24	4°46	5° 4	1°14	3°14	W 4
T 5	21 18 51	18°10'48	5♌26	9° 8	11°52	15°11	12°58	24°51	12°36	21°24	4°23	4°34	5° 1	1°21	3°12	T 5
F 6	21 22 48	19° 8'44	18°26	11° 6	13° 5	15°49	13° 8	24°58	12°35	21°26	4°23	4°22	4°58	1°27	3°11	F 6
S 7	21 26 44	20° 6'42	1♍40	13° 5	14°18	16°28	13°18	25° 6	12°34	21°28	4°22	4°10	4°55	1°34	3° 9	S 7
S 8	21 30 41	21° 4'41	15° 8	15° 4	15°32	17° 6	13°28	25°13	12°32	21°30	4°21	4° 1	4°51	1°41	3° 7	S 8
M 9	21 34 37	22° 2'41	28°47	17° 3	16°45	17°45	13°38	25°20	12°31	21°32	4°20	3°54	4°48	1°47	3° 5	M 9
T 10	21 38 34	23° 0'43	12♎34	19° 1	17°59	18°24	13°48	25°27	12°30	21°34	4°20	3°50	4°45	1°54	3° 3	T 10
W11	21 42 30	23°58'46	26°29	21° 0	19°12	19° 3	13°59	25°34	12°28	21°36	4°19	3°48	4°42	2° 1	3° 1	W11
T 12	21 46 27	24°56'51	10♏29	22°57	20°26	19°41	14° 9	25°42	12°27	21°38	4°18	3°D48	4°39	2° 7	2°59	T 12
F 13	21 50 23	25°54'57	24°34	24°54	21°39	20°20	14°20	25°49	12°26	21°40	4°17	3°R48	4°36	2°14	2°57	F 13
S 14	21 54 20	26°53'05	8♐43	26°50	22°52	20°59	14°30	25°56	12°24	21°42	4°16	3°48	4°32	2°21	2°55	S 14
S 15	21 58 16	27°51'15	22°54	28°45	24° 6	21°38	14°41	26° 3	12°23	21°44	4°15	3°45	4°29	2°27	2°53	S 15
M16	22 2 13	28°49'25	7♑ 7	0♍39	25°19	22°17	14°52	26°10	12°21	21°45	4°14	3°41	4°26	2°34	2°51	M16
T 17	22 6 10	29°47'38	21°17	2°32	26°32	22°56	15° 3	26°16	12°19	21°47	4°13	3°34	4°23	2°41	2°48	T 17
W18	22 10 6	0♍45'51	5♒21	4°24	27°45	23°35	15°14	26°23	12°18	21°49	4°12	3°24	4°20	2°47	2°46	W18
T 19	22 14 3	1°44'07	19°14	6°14	28°59	24°15	15°25	26°30	12°16	21°51	4°12	3°14	4°16	2°54	2°44	T 19
F 20	22 17 59	2°42'24	2♓52	8° 4	0♎12	24°54	15°36	26°37	12°14	21°53	4°11	3° 4	4°13	3° 1	2°42	F 20
S 21	22 21 56	3°40'43	16°12	9°52	1°25	25°33	15°47	26°44	12°13	21°55	4°10	2°56	4°10	3° 7	2°39	S 21
S 22	22 25 52	4°39'04	29°13	11°40	2°38	26°12	15°58	26°50	12°11	21°56	4° 9	2°49	4° 7	3°14	2°37	S 22
M23	22 29 49	5°37'27	11♈54	13°26	3°52	26°52	16°10	26°57	12° 9	21°58	4° 8	2°44	4° 4	3°21	2°34	M23
T 24	22 33 45	6°35'52	24°17	15°11	5° 5	27°31	16°21	27° 4	12° 7	22° 0	4° 7	2°42	4° 1	3°27	2°32	T 24
W25	22 37 42	7°34'19	6♉25	16°55	6°18	28°10	16°32	27°10	12° 5	22° 1	4° 6	2°D42	3°57	3°34	2°30	W25
T 26	22 41 39	8°32'49	18°22	18°38	7°31	28°50	16°44	27°17	12° 4	22° 3	4° 5	2°43	3°54	3°41	2°27	T 26
F 27	22 45 35	9°31'20	0♊12	20°20	8°44	29°29	16°56	27°23	12° 2	22° 5	4° 4	2°44	3°51	3°47	2°25	F 27
S 28	22 49 32	10°29'54	12° 2	22° 1	9°57	0♎ 9	17° 7	27°29	12° 0	22° 6	4° 3	2°R44	3°48	3°54	2°22	S 28
S 29	22 53 28	11°28'31	23°55	23°40	11°10	0°49	17°19	27°36	11°58	22° 8	4° 1	2°43	3°45	4° 1	2°20	S 29
M30	22 57 25	12°27'09	5♋58	25°19	12°23	1°28	17°31	27°42	11°56	22°10	4° 0	2°40	3°41	4° 7	2°17	M30
T 31	23 1 21	13♍25'50	18♋15	26♍57	13♎36	2♎ 8	17♎43	27♋48	11♈54	22♋11	3♈59	2♉35	3♉38	4♊14	2♈14	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n37	26n 6	3n18	21n 0	1n 5	10n16	1n21	7n38	0n50	3s49	1n10	21n36	0n15	4n24	0s41	21n31	0s21	14s 8	17s22	13n19	13n20	22n38	4n14	3n10
M 2	16 20	27 34	4 1	20 42	1 13	9 47	1 20	7 23	0 50	3 53	1 10	21 35	0 16	4 24	0 41	21 31	0 21	14 9	17 23	13 17	13 19	22 40	4 13	3 10
T 3	16 3	27 43	4 34	20 21	1 20	9 18	1 19	7 7	0 49	3 57	1 10	21 34	0 16	4 23	0 41	21 31	0 21	14 9	17 23	13 14	13 18	22 42	4 12	3 10
W 4	15 45	26 28	4 54	19 58	1 26	8 49	1 18	6 52	0 49	4 1	1 10	21 33	0 16	4 23	0 41	21 30	0 21	14 10	17 23	13 11	13 17	22 44	4 12	3 10
T 5	15 27	23 52	5 1	19 32	1 32	8 19	1 16	6 37	0 48	4 5	1 9	21 32	0 16	4 22	0 41	21 30	0 21	14 10	17 23	13 6	13 16	22 46	4 11	3 10
F 6	15 9	20 0	4 52	19 4	1 36	7 50	1 15	6 21	0 48	4 9	1 9	21 30	0 16	4 22	0 41	21 30	0 21	14 11	17 24	13 2	13 14	22 48	4 10	3 10
S 7	14 51	15 5	4 28	18 34	1 40	7 20	1 13	6 6	0 47	4 13	1 9	21 29	0 16	4 21	0 41	21 29	0 21	14 11	17 24	12 58	13 13	22 51	4 10	3 10
S 8	14 33	9 23	3 48	18 2	1 43	6 50	1 12	5 50	0 47	4 17	1 9	21 28	0 16	4 21	0 41	21 29	0 21	14 12	17 24	12 55	13 12	22 53	4 9	3 10
M 9	14 14	3 9	2 54	17 28	1 45	6 20	1 10	5 34	0 46	4 21	1 9	21 27	0 16	4 20	0 41	21 29	0 21	14 12	17 25	12 53	13 11	22 55	4 8	3 10
T 10	13 55	3s18	1 50	16 53	1 46	5 50	1 9	5 19	0 46	4 25	1 9	21 25	0 16	4 20	0 41	21 28	0 21	14 13	17 25	12 51	13 10	22 57	4 8	3 10
W11	13 36	9 40	0 39	16 15	1 47	5 19	1 7	5 3	0 45	4 29	1 8	21 24	0 16	4 19	0 41	21 28	0 21	14 13	17 25	12 51	13 9	22 59	4 7	3 10
T 12	13 16	15 36	0s35	15 37	1 47	4 48	1 5	4 47	0 44	4 34	1 8	21 23	0 17	4 19	0 41	21 28	0 21	14 14	17 25	12 51	13 8	23 1	4 6	3 10
F 13	12 57	20 45	1 48	14 57	1 46	4 18	1 3	4 31	0 44	4 38	1 8	21 22	0 17	4 18	0 41	21 28	0 21	14 15	17 26	12 51	13 7	23 3	4 5	3 11
S 14	12 37	24 44	2 54	14 16	1 45	3 47	1 1	4 15	0 43	4 42	1 8	21 21	0 17	4 18	0 41	21 27	0 21	14 15	17 26	12 51	13 6	23 5	4 5	3 11
S 15	12 17	27 12	3 50	13 34	1 43	3 16	0 59	3 59	0 43	4 46	1 8	21 19	0 17	4 17	0 41	21 27	0 21	14 16	17 26	12 50	13 5	23 8	4 4	3 11
M16	11 56	27 53	4 32	12 52	1 40	2 45	0 57	3 43	0 42	4 51	1 8	21 18	0 17	4 16	0 41	21 27	0 21	14 16	17 26	12 48	13 4	23 10	4 3	3 11
T 17	11 36	26 45	4 57	12 8	1 37	2 13	0 55	3 27	0 42	4 55	1 7	21 17	0 17	4 16	0 41	21 26	0 21	14 17	17 26	12 46	13 3	23 12	4 2	3 11
W18	11 15	23 55	5 3	11 24	1 34	1 42	0 53	3 11	0 41	5 0	1 7	21 16	0 17	4 15	0 41	21 26	0 21	14 17	17 27	12 43	13 2	23 14	4 1	3 11
T 19	10 55	19 45	4 52	10 40	1 30	1 11	0 51	2 55	0 41	5 4	1 7	21 14	0 17	4 14	0 41	21 26	0 21	14 18	17 27	12 39	13 0	23 16	4 0	3 11
F 20	10 34	14 36	4 24	9 55	1 26	0 40	0 48	2 39	0 40	5 8	1 7	21 13	0 17	4 14	0 41	21 25	0 21	14 18	17 27	12 36	12 59	23 18	3 59	3 11
S 21	10 12	8 52	3 42	9 10	1 21	0 8	0 46	2 23	0 40	5 13	1 7	21 12	0 18	4 13	0 41	21 25	0 21	14 19	17 27	12 33	12 58	23 20	3 59	3 11
S 22	9 51	2 54	2 49	8 24	1 16	0s23	0 44	2 7	0 39	5 17	1 7	21 11	0 18	4 12	0 41	21 25	0 21	14 20	17 27	12 31	12 57	23 22	3 58	3 11
M23	9 30	3n 3	1 49	7 38	1 11	0 55	0 41	1 51	0 38	5 22	1 7	21 10	0 18	4 12	0 41	21 25	0 21	14 20	17 28	12 29	12 56	23 24	3 57	3 11
T 24	9 8	8 46	0 45	6 53	1 6	1 26	0 39	1 34	0 38	5 26	1 6	21 9	0 18	4 11	0 41	21 24	0 21	14 21	17 28	12 28	12 55	23 26	3 56	3 11
W25	8 46	14 2	0n20	6 7	1 0	1 58	0 36	1 18	0 37	5 31	1 6	21 7	0 18	4 10	0 41	21 24	0 21	14 21	17 28	12 28	12 54	23 28	3 55	3 11
T 26	8 24	18 43	1 23	5 21	0 54	2 29	0 34	1 2	0 37	5 35	1 6	21 6	0 18	4 9	0 41	21 24	0 21	14 22	17 28	12 28	12 53	23 30	3 54	3 11
F 27	8 2	22 37	2 22	4 35	0 48	3 0	0 31	0 45	0 36	5 40	1 6	21 5	0 18	4 9	0 41	21 24	0 21	14 22	17 28	12 29	12 52	23 32	3 53	3 11
S 28	7 40	25 34	3 15	3 49	0 42	3 32	0 28	0 29	0 36	5 45	1 6	21 4	0 18	4 8	0 41	21 23	0 21	14 23	17 28	12 29	12 51	23 34	3 52	3 11
S 29	7 18	27 25	4 0	3 4	0 35	4 3	0 26	0 13	0 35	5 49	1 6	21 3	0 18	4 7	0 41	21 23	0 21	14 23	17 29	12 29	12 50	23 36	3 51	3 11
M30	6 55	28 0	4 35	2 18	0 28	4 34	0 23	0s 4	0 35	5 54	1 6	21 2	0 18	4 6	0 41	21 23	0 21	14 24	17 29	12 28	12 49	23 38	3 50	3 11
T 31	6n33	27n14	4n58	1n33	0n21	5s 5	0n20	0s20	0n34	5s59	1n 5	21n 0	0n19	4n 5	0s41	21n23	0s21	14s24	17s29	12n26	12n48	23n40	3n49	3n11

Julian Day Number = 2120123.5, Delta T = 18m07s
Ecliptic obliquity = 23°33'32, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°05'26, Lahiri = 11°12'26 Julian Calendar 1 Aug. 1092 == Greg. Calendar 7 Aug. 1092

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1092
geocentric

SEPTEMBER 1092 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 5 18	14♍24'32	0♌49	28♍33	14♎49	2♎48	17♎54	27♋54	11°R52	22♋13	3°R58	2°R29	3♉35	4♊21	2°R12	W 1
T 2	23 9 14	15°23'17	13°42	0♎ 9	16° 2	3°28	18° 6	28° 1	11♈49	22°14	3♈57	2♉21	3°32	4°27	2♈ 9	T 2
F 3	23 13 11	16°22'05	26°56	1°44	17°15	4° 8	18°18	28° 7	11°47	22°16	3°56	2°13	3°29	4°34	2° 6	F 3
S 4	23 17 8	17°20'54	10♍30	3°18	18°28	4°47	18°30	28°13	11°45	22°17	3°55	2° 5	3°26	4°41	2° 4	S 4
S 5	23 21 4	18°19'45	24°21	4°51	19°41	5°27	18°43	28°18	11°43	22°18	3°54	1°59	3°22	4°47	2° 1	S 5
M 6	23 25 1	19°18'38	8♎25	6°23	20°54	6° 7	18°55	28°24	11°41	22°20	3°53	1°55	3°19	4°54	1°58	M 6
T 7	23 28 57	20°17'34	22°39	7°54	22° 7	6°48	19° 7	28°30	11°39	22°21	3°52	1°53	3°16	5° 1	1°56	T 7
W 8	23 32 54	21°16'31	6♏57	9°24	23°20	7°28	19°19	28°36	11°36	22°23	3°50	1°D53	3°13	5° 7	1°53	W 8
T 9	23 36 50	22°15'30	21°15	10°53	24°33	8° 8	19°32	28°41	11°34	22°24	3°49	1°54	3°10	5°14	1°50	T 9
F 10	23 40 47	23°14'31	5♐32	12°21	25°46	8°48	19°44	28°47	11°32	22°25	3°48	1°55	3° 7	5°21	1°47	F 10
S 11	23 44 43	24°13'34	19°44	13°48	26°59	9°28	19°56	28°53	11°29	22°26	3°47	1°R56	3° 3	5°27	1°45	S 11
S 12	23 48 40	25°12'38	3♑49	15°14	28°11	10° 9	20° 9	28°58	11°27	22°28	3°46	1°56	3° 0	5°34	1°42	S 12
M13	23 52 37	26°11'45	17°47	16°40	29°24	10°49	20°21	29° 3	11°25	22°29	3°45	1°54	2°57	5°41	1°39	M13
T 14	23 56 33	27°10'53	1♒36	18° 4	0♏37	11°29	20°34	29° 9	11°23	22°30	3°44	1°50	2°54	5°47	1°36	T 14
W15	0 0 30	28°10'03	15°14	19°27	1°50	12°10	20°46	29°14	11°20	22°31	3°42	1°46	2°51	5°54	1°33	W15
T 16	0 4 26	29° 9'14	28°40	20°49	3° 2	12°50	20°59	29°19	11°18	22°32	3°41	1°40	2°47	6° 1	1°31	T 16
F 17	0 8 23	0♎ 8'28	11♓53	22°11	4°15	13°31	21°12	29°24	11°15	22°33	3°40	1°35	2°44	6° 7	1°28	F 17
S 18	0 12 19	1° 7'43	24°52	23°31	5°27	14°12	21°24	29°29	11°13	22°35	3°39	1°31	2°41	6°14	1°25	S 18
S 19	0 16 16	2° 7'01	7♈35	24°49	6°40	14°52	21°37	29°34	11°11	22°36	3°38	1°27	2°38	6°21	1°22	S 19
M20	0 20 12	3° 6'21	20° 4	26° 7	7°53	15°33	21°50	29°39	11° 8	22°37	3°37	1°25	2°35	6°27	1°19	M20
T 21	0 24 9	4° 5'43	2♉19	27°23	9° 5	16°14	22° 3	29°43	11° 6	22°38	3°35	1°D25	2°32	6°34	1°17	T 21
W22	0 28 5	5° 5'07	14°23	28°38	10°18	16°54	22°15	29°48	11° 3	22°38	3°34	1°25	2°28	6°41	1°14	W22
T 23	0 32 2	6° 4'33	26°18	29°51	11°30	17°35	22°28	29°53	11° 1	22°39	3°33	1°27	2°25	6°47	1°11	T 23
F 24	0 35 59	7° 4'02	8♊ 8	1♏ 2	12°42	18°16	22°41	29°57	10°58	22°40	3°32	1°28	2°22	6°54	1° 8	F 24
S 25	0 39 55	8° 3'33	19°57	2°12	13°55	18°57	22°54	0♌ 2	10°56	22°41	3°31	1°30	2°19	7° 1	1° 6	S 25
S 26	0 43 52	9° 3'07	1♋50	3°20	15° 7	19°38	23° 7	0° 6	10°54	22°42	3°30	1°31	2°16	7° 7	1° 3	S 26
M27	0 47 48	10° 2'43	13°52	4°26	16°20	20°19	23°20	0°10	10°51	22°43	3°29	1°R31	2°13	7°14	1° 0	M27
T 28	0 51 45	11° 2'21	26° 7	5°30	17°32	21° 0	23°33	0°14	10°49	22°43	3°27	1°30	2° 9	7°21	0°57	T 28
W29	0 55 41	12° 2'01	8♌41	6°31	18°44	21°42	23°46	0°18	10°46	22°44	3°26	1°29	2° 6	7°27	0°55	W29
T 30	0 59 38	13♎ 1'44	21♌36	7♏29	19♏56	22♎23	23♎59	0♌22	10♈44	22♋45	3♈25	1♉26	2♉ 3	7♊34	0♈52	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	6n10	25n 5	5n 8	0n48	0n14	5s36	0n17	0s36	0n34	6s 3	1n 5	20n59	0n19	4n 5	0s41	21n22	0s21	14s25	17s29	12n24	12n46	23n42	3n48	3n11
T 2	5 47	21 36	5 2	0 3	0 7	6 7	0 14	0 53	0 33	6 8	1 5	20 58	0 19	4 4	0 41	21 22	0 21	14 26	17 29	12 21	12 45	23 44	3 47	3 11
F 3	5 24	16 58	4 40	0s41	0 0	6 38	0 11	1 9	0 32	6 13	1 5	20 57	0 19	4 3	0 41	21 22	0 21	14 26	17 29	12 18	12 44	23 46	3 45	3 11
S 4	5 1	11 24	4 2	1 25	0s 7	7 9	0 9	1 26	0 32	6 17	1 5	20 56	0 19	4 2	0 41	21 22	0 21	14 27	17 29	12 16	12 43	23 48	3 44	3 11
S 5	4 38	5 9	3 9	2 9	0 14	7 39	0 6	1 42	0 31	6 22	1 5	20 55	0 19	4 1	0 41	21 21	0 21	14 27	17 29	12 13	12 42	23 50	3 43	3 11
M 6	4 15	1s28	2 4	2 53	0 22	8 10	0 3	1 58	0 31	6 27	1 5	20 54	0 19	4 0	0 41	21 21	0 21	14 28	17 30	12 12	12 41	23 52	3 42	3 11
T 7	3 52	8 5	0 50	3 35	0 29	8 40	0s 0	2 15	0 30	6 32	1 5	20 53	0 19	3 59	0 41	21 21	0 21	14 28	17 30	12 11	12 40	23 54	3 41	3 11
W 8	3 29	14 20	0s28	4 18	0 36	9 10	0 3	2 31	0 30	6 36	1 5	20 52	0 20	3 59	0 41	21 21	0 21	14 29	17 30	12 11	12 39	23 56	3 40	3 11
T 9	3 5	19 50	1 43	5 0	0 44	9 40	0 7	2 48	0 29	6 41	1 4	20 51	0 20	3 58	0 41	21 21	0 21	14 29	17 30	12 11	12 38	23 58	3 39	3 11
F 10	2 42	24 10	2 53	5 41	0 51	10 9	0 10	3 4	0 28	6 46	1 4	20 50	0 20	3 57	0 41	21 20	0 21	14 30	17 30	12 12	12 37	24 0	3 38	3 11
S 11	2 18	27 0	3 51	6 22	0 59	10 39	0 13	3 21	0 28	6 51	1 4	20 49	0 20	3 56	0 41	21 20	0 21	14 30	17 30	12 12	12 36	24 2	3 37	3 11
S 12	1 55	28 5	4 35	7 3	1 6	11 8	0 16	3 37	0 27	6 55	1 4	20 48	0 20	3 55	0 41	21 20	0 21	14 31	17 30	12 12	12 34	24 4	3 35	3 11
M13	1 31	27 22	5 2	7 43	1 13	11 37	0 19	3 54	0 27	7 0	1 4	20 47	0 20	3 54	0 41	21 20	0 21	14 31	17 30	12 12	12 33	24 6	3 34	3 11
T 14	1 8	24 58	5 11	8 22	1 21	12 5	0 22	4 10	0 26	7 5	1 4	20 46	0 20	3 53	0 41	21 19	0 21	14 32	17 30	12 10	12 32	24 8	3 33	3 11
W15	0 44	21 10	5 3	9 0	1 28	12 34	0 25	4 26	0 26	7 10	1 4	20 45	0 20	3 52	0 41	21 19	0 21	14 32	17 30	12 9	12 31	24 10	3 32	3 10
T 16	0 20	16 20	4 38	9 38	1 35	13 2	0 29	4 43	0 25	7 15	1 4	20 44	0 20	3 51	0 42	21 19	0 21	14 33	17 30	12 7	12 30	24 12	3 31	3 10
F 17	0s 3	10 48	3 58	10 15	1 42	13 30	0 32	4 59	0 24	7 20	1 4	20 43	0 21	3 50	0 42	21 19	0 21	14 33	17 30	12 5	12 29	24 14	3 30	3 10
S 18	0 27	4 54	3 7	10 51	1 49	13 57	0 35	5 15	0 24	7 24	1 4	20 42	0 21	3 49	0 42	21 19	0 21	14 34	17 30	12 3	12 28	24 16	3 28	3 10
S 19	0 51	1n 5	2 7	11 27	1 56	14 24	0 38	5 32	0 23	7 29	1 3	20 41	0 21	3 48	0 42	21 19	0 21	14 34	17 30	12 2	12 27	24 18	3 27	3 10
M20	1 14	6 56	1 2	12 2	2 2	14 51	0 41	5 48	0 23	7 34	1 3	20 40	0 21	3 47	0 42	21 18	0 21	14 35	17 30	12 2	12 26	24 19	3 26	3 10
T 21	1 38	12 25	0n 5	12 35	2 9	15 18	0 44	6 4	0 22	7 39	1 3	20 39	0 21	3 47	0 42	21 18	0 21	14 35	17 30	12 1	12 25	24 21	3 25	3 10
W22	2 2	17 22	1 11	13 8	2 15	15 44	0 48	6 21	0 22	7 44	1 3	20 38	0 21	3 46	0 42	21 18	0 21	14 36	17 30	12 2	12 24	24 23	3 24	3 10
T 23	2 25	21 34	2 13	13 40	2 21	16 10	0 51	6 37	0 21	7 49	1 3	20 38	0 21	3 45	0 42	21 18	0 21	14 36	17 30	12 2	12 22	24 25	3 22	3 10
F 24	2 49	24 52	3 9	14 11	2 27	16 35	0 54	6 53	0 20	7 54	1 3	20 37	0 21	3 44	0 41	21 18	0 21	14 36	17 30	12 3	12 21	24 27	3 21	3 10
S 25	3 13	27 6	3 56	14 41	2 32	17 0	0 57	7 9	0 20	7 58	1 3	20 36	0 22	3 43	0 41	21 18	0 21	14 37	17 30	12 3	12 20	24 29	3 20	3 10
S 26	3 36	28 7	4 34	15 9	2 37	17 25	1 0	7 25	0 19	8 3	1 3	20 35	0 22	3 42	0 41	21 18	0 21	14 37	17 30	12 4	12 19	24 31	3 19	3 10
M27	4 0	27 49	5 1	15 36	2 42	17 49	1 3	7 41	0 19	8 8	1 3	20 34	0 22	3 41	0 41	21 17	0 21	14 38	17 30	12 4	12 18	24 33	3 18	3 10
T 28	4 23	26 10	5 14	16 2	2 47	18 13	1 7	7 58	0 18	8 13	1 3	20 34	0 22	3 40	0 41	21 17	0 21	14 38	17 30	12 3	12 17	24 34	3 17	3 9
W29	4 47	23 13	5 13	16 27	2 51	18 36	1 10	8 14	0 17	8 18	1 3	20 33	0 22	3 39	0 41	21 17	0 21	14 39	17 30	12 3	12 16	24 36	3 15	3 9
T 30	5s10	19n 3	4n56	16s49	2s55	18s59	1s13	8s30	0n17	8s23	1n 3	20n32	0n22	3n38	0s41	21n17	0s21	14s39	17s30	12n 2	12n15	24n38	3n14	3n 9

Julian Day Number = 2120154.5, Delta T = 18m06s
Ecliptic obliquity = 23°33'33, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°05'30, Lahiri = 11°12'30 Julian Calendar 1 Sept. 1092 == Greg. Calendar 7 Sept. 1092

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1092
geocentric

OCTOBER 1092 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 3 34	14♎ 1'29	4♍54	8♏24	21♏ 9	23♎ 4	24♎12	0♌26	10°R41	22♋45	3°R24	1°R24	2♉ 0	7♊41	0°R49	F 1
S 2	1 7 31	15° 1'16	18°37	9°16	22°21	23°45	24°25	0°30	10♈39	22°46	3♈23	1♉21	1°57	7°47	0♈46	S 2
S 3	1 11 28	16° 1'05	2♎43	10° 5	23°33	24°27	24°38	0°34	10°36	22°47	3°22	1°20	1°53	7°54	0°44	S 3
M 4	1 15 24	17° 0'57	17° 8	10°49	24°45	25° 8	24°51	0°37	10°34	22°47	3°21	1°18	1°50	8° 1	0°41	M 4
T 5	1 19 21	18° 0'50	1♏47	11°28	25°57	25°50	25° 4	0°41	10°32	22°48	3°19	1°D18	1°47	8° 7	0°38	T 5
W 6	1 23 17	19° 0'45	16°32	12° 3	27° 9	26°31	25°18	0°44	10°29	22°48	3°18	1°18	1°44	8°14	0°36	W 6
T 7	1 27 14	20° 0'43	1♐17	12°32	28°21	27°13	25°31	0°47	10°27	22°49	3°17	1°19	1°41	8°21	0°33	T 7
F 8	1 31 10	21° 0'42	15°56	12°55	29°33	27°55	25°44	0°51	10°24	22°49	3°16	1°20	1°38	8°27	0°31	F 8
S 9	1 35 7	22° 0'42	0♑23	13°12	0♐45	28°36	25°57	0°54	10°22	22°49	3°15	1°21	1°34	8°34	0°28	S 9
S 10	1 39 3	23° 0'45	14°35	13°21	1°57	29°18	26°10	0°57	10°20	22°50	3°14	1°21	1°31	8°41	0°25	S 10
M11	1 43 0	24° 0'49	28°30	13°R22	3° 9	29°59	26°23	1° 0	10°17	22°50	3°13	1°R21	1°28	8°47	0°23	M11
T 12	1 46 57	25° 0'54	12♒ 7	13°15	4°20	0♏42	26°37	1° 2	10°15	22°50	3°12	1°21	1°25	8°54	0°20	T 12
W13	1 50 53	26° 1'01	25°28	12°58	5°32	1°23	26°50	1° 5	10°12	22°51	3°11	1°21	1°22	9° 1	0°18	W13
T 14	1 54 50	27° 1'10	8♓33	12°32	6°44	2° 5	27° 3	1° 8	10°10	22°51	3°10	1°20	1°18	9° 7	0°16	T 14
F 15	1 58 46	28° 1'20	21°23	11°57	7°55	2°47	27°16	1°10	10° 8	22°51	3° 9	1°20	1°15	9°14	0°13	F 15
S 16	2 2 43	29° 1'32	4♈ 0	11°11	9° 7	3°29	27°29	1°13	10° 6	22°51	3° 8	1°19	1°12	9°21	0°11	S 16
S 17	2 6 39	0♏ 1'46	16°25	10°17	10°18	4°12	27°42	1°15	10° 3	22°51	3° 6	1°19	1° 9	9°27	0° 8	S 17
M18	2 10 36	1° 2'01	28°39	9°14	11°30	4°54	27°56	1°17	10° 1	22°51	3° 5	1°19	1° 6	9°34	0° 6	M18
T 19	2 14 32	2° 2'18	10♉44	8° 4	12°41	5°36	28° 9	1°19	9°59	22°51	3° 4	1°19	1° 3	9°41	0° 4	T 19
W20	2 18 29	3° 2'37	22°41	6°49	13°52	6°18	28°22	1°21	9°57	22°R51	3° 3	1°19	0°59	9°47	0° 2	W20
T 21	2 22 26	4° 2'58	4♊34	5°30	15° 4	7° 0	28°35	1°23	9°54	22°51	3° 3	1°19	0°56	9°54	29♓59	T 21
F 22	2 26 22	5° 3'21	16°23	4°10	16°15	7°43	28°48	1°25	9°52	22°51	3° 2	1°18	0°53	10° 1	29°57	F 22
S 23	2 30 19	6° 3'46	28°12	2°51	17°26	8°25	29° 1	1°26	9°50	22°51	3° 1	1°18	0°50	10° 7	29°55	S 23
S 24	2 34 15	7° 4'12	10♋ 5	1°37	18°37	9° 8	29°15	1°28	9°48	22°51	3° 0	1°17	0°47	10°14	29°53	S 24
M25	2 38 12	8° 4'41	22° 6	0°30	19°48	9°50	29°28	1°29	9°46	22°51	2°59	1°16	0°44	10°21	29°51	M25
T 26	2 42 8	9° 5'11	4♌18	29♎31	20°59	10°33	29°41	1°31	9°44	22°51	2°58	1°D16	0°40	10°27	29°49	T 26
W27	2 46 5	10° 5'43	16°46	28°42	22°10	11°15	29°54	1°32	9°42	22°51	2°57	1°16	0°37	10°34	29°47	W27
T 28	2 50 1	11° 6'17	29°35	28° 4	23°20	11°58	0♏ 7	1°33	9°40	22°50	2°56	1°17	0°34	10°41	29°45	T 28
F 29	2 53 58	12° 6'53	12♍49	27°37	24°31	12°41	0°20	1°34	9°38	22°50	2°55	1°17	0°31	10°47	29°43	F 29
S 30	2 57 55	13° 7'31	26°28	27°23	25°42	13°23	0°33	1°35	9°36	22°50	2°54	1°18	0°28	10°54	29°41	S 30
S 31	3 1 51	14♏ 8'10	10♎35	27°D20	26♐52	14♏ 6	0♏46	1♌36	9♈34	22♋49	2♈53	1♉19	0♉24	11♊ 1	29♓39	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5s34	13n50	4n23	17s11	2s58	19s21	1s16	8s46	0n16	8s28	1n 3	20n31	0n22	3n37	0s41	21n17	0s21	14s39	17s30	12n 1	12n14	24n40	3n13	3n 9
S 2	5 57	7 49	3 35	17 30	3 0	19 43	1 19	9 1	0 16	8 33	1 2	20 31	0 23	3 36	0 41	21 17	0 21	14 40	17 30	12 0	12 13	24 42	3 12	3 9
S 3	6 20	1 14	2 32	17 48	3 3	20 5	1 22	9 17	0 15	8 37	1 2	20 30	0 23	3 35	0 41	21 17	0 21	14 40	17 30	12 0	12 11	24 44	3 11	3 9
M 4	6 43	5s34	1 18	18 3	3 4	20 25	1 25	9 33	0 15	8 42	1 2	20 29	0 23	3 34	0 41	21 17	0 21	14 40	17 30	11 59	12 10	24 45	3 9	3 9
T 5	7 6	12 12	0s 3	18 16	3 5	20 46	1 28	9 49	0 14	8 47	1 2	20 29	0 23	3 33	0 41	21 17	0 21	14 41	17 29	11 59	12 9	24 47	3 8	3 9
W 6	7 29	18 12	1 23	18 27	3 4	21 6	1 31	10 4	0 13	8 52	1 2	20 28	0 23	3 32	0 41	21 17	0 21	14 41	17 29	11 59	12 8	24 49	3 7	3 9
T 7	7 52	23 7	2 39	18 35	3 3	21 25	1 34	10 20	0 13	8 57	1 2	20 28	0 23	3 31	0 41	21 16	0 21	14 41	17 29	12 0	12 7	24 51	3 6	3 8
F 8	8 14	26 30	3 43	18 40	3 1	21 44	1 37	10 36	0 12	9 2	1 2	20 27	0 23	3 30	0 41	21 16	0 21	14 42	17 29	12 0	12 6	24 52	3 5	3 8
S 9	8 37	28 6	4 32	18 42	2 58	22 2	1 39	10 51	0 12	9 7	1 2	20 26	0 23	3 29	0 41	21 16	0 21	14 42	17 29	12 0	12 5	24 54	3 4	3 8
S 10	8 59	27 47	5 4	18 41	2 53	22 19	1 42	11 7	0 11	9 11	1 2	20 26	0 24	3 28	0 41	21 16	0 21	14 42	17 29	12 0	12 4	24 56	3 3	3 8
M11	9 22	25 44	5 17	18 35	2 48	22 36	1 45	11 22	0 10	9 16	1 2	20 25	0 24	3 28	0 41	21 16	0 21	14 43	17 29	12 0	12 3	24 58	3 1	3 8
T 12	9 44	22 13	5 12	18 26	2 40	22 53	1 48	11 37	0 10	9 21	1 2	20 25	0 24	3 27	0 41	21 16	0 21	14 43	17 29	12 0	12 1	25 0	3 0	3 8
W13	10 6	17 38	4 50	18 13	2 31	23 8	1 50	11 52	0 9	9 26	1 2	20 24	0 24	3 26	0 41	21 16	0 21	14 43	17 28	12 0	12 0	25 1	2 59	3 8
T 14	10 28	12 18	4 13	17 55	2 21	23 24	1 53	12 8	0 9	9 31	1 2	20 24	0 24	3 25	0 41	21 16	0 21	14 44	17 28	12 0	11 59	25 3	2 58	3 7
F 15	10 49	6 33	3 24	17 32	2 9	23 38	1 55	12 23	0 8	9 35	1 2	20 24	0 24	3 24	0 41	21 16	0 21	14 44	17 28	12 0	11 58	25 5	2 57	3 7
S 16	11 11	0 38	2 26	17 5	1 55	23 52	1 58	12 38	0 7	9 40	1 2	20 23	0 24	3 23	0 41	21 16	0 21	14 44	17 28	12 0	11 57	25 6	2 56	3 7
S 17	11 32	5n14	1 22	16 32	1 39	24 5	2 0	12 52	0 7	9 45	1 2	20 23	0 25	3 22	0 41	21 16	0 21	14 44	17 28	11 59	11 56	25 8	2 55	3 7
M18	11 53	10 49	0 15	15 56	1 22	24 18	2 3	13 7	0 6	9 50	1 2	20 22	0 25	3 21	0 41	21 16	0 21	14 45	17 28	11 59	11 55	25 10	2 54	3 7
T 19	12 14	15 57	0n52	15 16	1 3	24 30	2 5	13 22	0 6	9 55	1 2	20 22	0 25	3 20	0 41	21 16	0 21	14 45	17 27	11 59	11 54	25 12	2 53	3 7
W20	12 35	20 24	1 56	14 32	0 43	24 41	2 7	13 37	0 5	9 59	1 2	20 22	0 25	3 20	0 41	21 16	0 21	14 45	17 27	11 59	11 53	25 13	2 52	3 7
T 21	12 56	24 1	2 54	13 47	0 23	24 51	2 9	13 51	0 4	10 4	1 2	20 22	0 25	3 19	0 41	21 16	0 21	14 45	17 27	11 59	11 51	25 15	2 51	3 6
F 22	13 16	26 35	3 45	13 0	0 2	25 1	2 11	14 6	0 4	10 9	1 2	20 21	0 25	3 18	0 41	21 16	0 21	14 45	17 27	11 59	11 50	25 17	2 50	3 6
S 23	13 37	27 59	4 26	12 14	0n19	25 10	2 13	14 20	0 3	10 13	1 2	20 21	0 25	3 17	0 41	21 16	0 21	14 46	17 27	11 59	11 49	25 18	2 49	3 6
S 24	13 56	28 5	4 56	11 30	0 38	25 19	2 15	14 34	0 2	10 18	1 2	20 21	0 26	3 16	0 41	21 16	0 21	14 46	17 26	11 59	11 48	25 20	2 48	3 6
M25	14 16	26 53	5 13	10 49	0 57	25 26	2 17	14 48	0 2	10 23	1 2	20 21	0 26	3 15	0 41	21 16	0 21	14 46	17 26	11 59	11 47	25 22	2 47	3 6
T 26	14 36	24 24	5 17	10 12	1 14	25 33	2 19	15 2	0 1	10 27	1 2	20 21	0 26	3 15	0 41	21 16	0 21	14 46	17 26	11 58	11 46	25 23	2 46	3 5
W27	14 55	20 44	5 6	9 40	1 30	25 40	2 20	15 16	0 1	10 32	1 2	20 20	0 26	3 14	0 41	21 16	0 21	14 46	17 26	11 58	11 45	25 25	2 45	3 5
T 28	15 14	16 2	4 39	9 13	1 44	25 45	2 22	15 30	0 0	10 37	1 2	20 20	0 26	3 13	0 41	21 16	0 21	14 46	17 26	11 59	11 44	25 27	2 44	3 5
F 29	15 33	10 26	3 58	8 53	1 55	25 50	2 24	15 44	0s 1	10 41	1 1	20 20	0 26	3 12	0 41	21 16	0 21	14 47	17 25	11 59	11 43	25 28	2 43	3 5
S 30	15 51	4 11	3 1	8 39	2 5	25 54	2 25	15 57	0 1	10 46	1 1	20 20	0 26	3 12	0 41	21 16	0 21	14 47	17 25	11 59	11 41	25 30	2 42	3 5
S 31	16s10	2s29	1n53	8s30	2n13	25s58	2s26	16s11	0s 2	10s50	1n 1	20n20	0n27	3n11	0s41	21n16	0s21	14s47	17s25	12n 0	11n40	25n32	2n41	3n 5

Julian Day Number = 2120184.5, Delta T = 18m06s
Ecliptic obliquity = 23°33'33, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°05'34, Lahiri = 11°12'34 Julian Calendar 1 Oct. 1092 == Greg. Calendar 7 Oct. 1092

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1092
geocentric

NOVEMBER 1092 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 5 48	15♏ 8'51	25♎ 6	27♎27	28♐ 2	14♏49	0♏59	1♌36	9°R32	22°R49	2°R53	1°R20	0♉21	11♊ 8	29°R38	M 1
T 2	3 9 44	16° 9'34	9♏58	27°45	29°13	15°32	1°12	1°37	9♈30	22♋48	2♈52	1♉20	0°18	11°14	29♓36	T 2
W 3	3 13 41	17°10'18	25° 3	28°13	0♑23	16°15	1°25	1°37	9°29	22°48	2°51	1°19	0°15	11°21	29°34	W 3
T 4	3 17 37	18°11'03	10♐12	28°48	1°33	16°58	1°38	1°38	9°27	22°47	2°50	1°17	0°12	11°28	29°33	T 4
F 5	3 21 34	19°11'50	25°16	29°31	2°43	17°41	1°51	1°38	9°25	22°47	2°50	1°15	0° 9	11°34	29°31	F 5
S 6	3 25 30	20°12'38	10♑ 5	0♏21	3°53	18°24	2° 4	1°R38	9°23	22°46	2°49	1°13	0° 5	11°41	29°29	S 6
S 7	3 29 27	21°13'27	24°33	1°17	5° 3	19° 7	2°17	1°38	9°22	22°46	2°48	1°10	0° 2	11°48	29°28	S 7
M 8	3 33 24	22°14'17	8♒38	2°18	6°13	19°51	2°30	1°38	9°20	22°45	2°47	1° 9	29♈59	11°54	29°27	M 8
T 9	3 37 20	23°15'08	22°17	3°23	7°22	20°34	2°43	1°37	9°19	22°44	2°47	1°D 8	29°56	12° 1	29°25	T 9
W10	3 41 17	24°16'00	5♓32	4°32	8°32	21°17	2°55	1°37	9°17	22°44	2°46	1° 9	29°53	12° 8	29°24	W10
T 11	3 45 13	25°16'53	18°26	5°44	9°41	22° 1	3° 8	1°37	9°15	22°43	2°45	1°10	29°50	12°14	29°23	T 11
F 12	3 49 10	26°17'46	1♈ 2	6°59	10°51	22°44	3°21	1°36	9°14	22°42	2°45	1°12	29°46	12°21	29°21	F 12
S 13	3 53 6	27°18'40	13°23	8°17	12° 0	23°27	3°33	1°35	9°13	22°42	2°44	1°13	29°43	12°28	29°20	S 13
S 14	3 57 3	28°19'36	25°32	9°37	13° 9	24°11	3°46	1°34	9°11	22°41	2°44	1°R14	29°40	12°34	29°19	S 14
M15	4 0 59	29°20'32	7♉34	10°58	14°18	24°54	3°59	1°33	9°10	22°40	2°43	1°14	29°37	12°41	29°18	M15
T 16	4 4 56	0♐21'29	19°29	12°21	15°26	25°38	4°11	1°32	9° 9	22°39	2°42	1°13	29°34	12°48	29°17	T 16
W17	4 8 53	1°22'27	1♊21	13°46	16°35	26°22	4°24	1°31	9° 7	22°38	2°42	1°10	29°30	12°54	29°16	W17
T 18	4 12 49	2°23'26	13°11	15°11	17°43	27° 5	4°36	1°30	9° 6	22°37	2°41	1° 5	29°27	13° 1	29°15	T 18
F 19	4 16 46	3°24'27	25° 2	16°38	18°51	27°49	4°48	1°29	9° 5	22°36	2°41	0°59	29°24	13° 8	29°14	F 19
S 20	4 20 42	4°25'28	6♋54	18° 5	19°59	28°33	5° 1	1°27	9° 4	22°35	2°40	0°53	29°21	13°14	29°13	S 20
S 21	4 24 39	5°26'30	18°50	19°33	21° 7	29°17	5°13	1°26	9° 3	22°34	2°40	0°46	29°18	13°21	29°13	S 21
M22	4 28 35	6°27'33	0♌53	21° 2	22°15	0♐ 1	5°25	1°24	9° 2	22°33	2°40	0°41	29°15	13°28	29°12	M22
T 23	4 32 32	7°28'37	13° 5	22°31	23°23	0°45	5°38	1°22	9° 1	22°32	2°39	0°36	29°11	13°35	29°11	T 23
W24	4 36 29	8°29'42	25°31	24° 1	24°30	1°29	5°50	1°20	9° 0	22°31	2°39	0°34	29° 8	13°41	29°11	W24
T 25	4 40 25	9°30'48	8♍14	25°31	25°37	2°13	6° 2	1°18	8°59	22°30	2°38	0°D33	29° 5	13°48	29°10	T 25
F 26	4 44 22	10°31'55	21°18	27° 2	26°44	2°57	6°14	1°16	8°58	22°29	2°38	0°33	29° 2	13°55	29°10	F 26
S 27	4 48 18	11°33'02	4♎46	28°32	27°51	3°41	6°26	1°14	8°58	22°28	2°38	0°34	28°59	14° 1	29° 9	S 27
S 28	4 52 15	12°34'11	18°41	0♐ 3	28°57	4°25	6°38	1°11	8°57	22°26	2°37	0°36	28°56	14° 8	29° 9	S 28
M29	4 56 11	13°35'21	3♏ 4	1°35	0♒ 4	5° 9	6°50	1° 9	8°56	22°25	2°37	0°R36	28°52	14°15	29° 8	M29
T 30	5 0 8	14♐36'31	17♏51	3♐ 6	1♒10	5♐54	7♏ 1	1♌ 7	8♈56	22♋24	2♈37	0♉35	28♈49	14♊21	29♓ 8	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16s28	9s14	0n34	8s27	2n19	26s 0	2s28	16s24	0s 2	10s55	1n 1	20n20	0n27	3n10	0s41	21n16	0s21	14s47	17s25	12n 0	11n39	25n33	2n40	3n 4
T 2	16 45	15 38	0s48	8 30	2 23	26 2	2 29	16 37	0 3	10 59	1 1	20 20	0 27	3 10	0 41	21 16	0 21	14 47	17 24	12 0	11 38	25 35	2 39	3 4
W 3	17 3	21 11	2 8	8 37	2 26	26 3	2 30	16 50	0 4	11 4	1 1	20 20	0 27	3 9	0 41	21 17	0 21	14 47	17 24	11 59	11 37	25 36	2 38	3 4
T 4	17 20	25 22	3 19	8 48	2 28	26 4	2 31	17 3	0 4	11 8	1 1	20 20	0 27	3 8	0 41	21 17	0 21	14 47	17 24	11 59	11 36	25 38	2 37	3 4
F 5	17 37	27 44	4 16	9 3	2 28	26 3	2 32	17 16	0 5	11 13	1 1	20 20	0 27	3 8	0 41	21 17	0 21	14 47	17 24	11 58	11 35	25 40	2 37	3 4
S 6	17 53	28 4	4 54	9 22	2 27	26 2	2 32	17 29	0 6	11 17	1 1	20 21	0 27	3 7	0 41	21 17	0 21	14 47	17 23	11 57	11 34	25 41	2 36	3 3
S 7	18 9	26 27	5 13	9 43	2 25	26 1	2 33	17 41	0 6	11 22	1 1	20 21	0 28	3 6	0 41	21 17	0 21	14 47	17 23	11 56	11 32	25 43	2 35	3 3
M 8	18 25	23 13	5 13	10 6	2 22	25 58	2 34	17 54	0 7	11 26	1 2	20 21	0 28	3 6	0 41	21 17	0 21	14 47	17 23	11 56	11 31	25 44	2 34	3 3
T 9	18 41	18 47	4 54	10 32	2 19	25 55	2 34	18 6	0 7	11 31	1 2	20 21	0 28	3 5	0 41	21 17	0 21	14 47	17 22	11 56	11 30	25 46	2 34	3 3
W10	18 56	13 34	4 21	10 59	2 14	25 51	2 34	18 18	0 8	11 35	1 2	20 21	0 28	3 4	0 41	21 17	0 21	14 47	17 22	11 56	11 29	25 48	2 33	3 3
T 11	19 11	7 53	3 34	11 28	2 10	25 46	2 35	18 30	0 9	11 39	1 2	20 22	0 28	3 4	0 41	21 17	0 21	14 47	17 22	11 56	11 28	25 49	2 32	3 2
F 12	19 25	2 1	2 39	11 57	2 4	25 41	2 35	18 42	0 9	11 44	1 2	20 22	0 28	3 3	0 41	21 17	0 21	14 47	17 22	11 57	11 27	25 51	2 31	3 2
S 13	19 39	3n49	1 37	12 28	1 59	25 35	2 35	18 53	0 10	11 48	1 2	20 22	0 29	3 3	0 41	21 18	0 21	14 47	17 21	11 57	11 26	25 52	2 31	3 2
S 14	19 53	9 26	0 31	12 59	1 53	25 28	2 35	19 5	0 10	11 52	1 2	20 22	0 29	3 2	0 41	21 18	0 21	14 47	17 21	11 58	11 25	25 54	2 30	3 2
M15	20 7	14 39	0n35	13 30	1 47	25 21	2 34	19 16	0 11	11 56	1 2	20 23	0 29	3 2	0 40	21 18	0 21	14 47	17 21	11 58	11 23	25 55	2 30	3 1
T 16	20 20	19 16	1 38	14 2	1 40	25 12	2 34	19 27	0 12	12 1	1 2	20 23	0 29	3 1	0 40	21 18	0 21	14 47	17 20	11 57	11 22	25 57	2 29	3 1
W17	20 32	23 6	2 37	14 34	1 33	25 4	2 33	19 38	0 12	12 5	1 2	20 24	0 29	3 1	0 40	21 18	0 21	14 47	17 20	11 56	11 21	25 58	2 28	3 1
T 18	20 45	25 57	3 29	15 6	1 26	24 54	2 33	19 49	0 13	12 9	1 2	20 24	0 29	3 0	0 40	21 18	0 21	14 47	17 20	11 55	11 20	26 0	2 28	3 1
F 19	20 56	27 40	4 12	15 37	1 19	24 44	2 32	20 0	0 14	12 13	1 2	20 25	0 29	3 0	0 40	21 18	0 21	14 47	17 19	11 53	11 19	26 1	2 27	3 1
S 20	21 8	28 7	4 44	16 9	1 12	24 33	2 31	20 10	0 14	12 17	1 2	20 25	0 30	3 0	0 40	21 19	0 21	14 47	17 19	11 50	11 18	26 3	2 27	3 0
S 21	21 19	27 15	5 4	16 40	1 5	24 22	2 30	20 20	0 15	12 21	1 2	20 25	0 30	2 59	0 40	21 19	0 21	14 46	17 19	11 48	11 17	26 4	2 26	3 0
M22	21 30	25 7	5 11	17 11	0 58	24 10	2 29	20 30	0 15	12 25	1 2	20 26	0 30	2 59	0 40	21 19	0 21	14 46	17 18	11 46	11 16	26 6	2 26	3 0
T 23	21 40	21 49	5 4	17 41	0 51	23 57	2 28	20 40	0 16	12 29	1 2	20 27	0 30	2 59	0 40	21 19	0 21	14 46	17 18	11 44	11 14	26 7	2 25	3 0
W24	21 50	17 30	4 42	18 10	0 43	23 44	2 26	20 50	0 17	12 33	1 2	20 27	0 30	2 58	0 40	21 19	0 21	14 46	17 18	11 44	11 13	26 9	2 25	2 59
T 25	21 59	12 20	4 6	18 39	0 36	23 30	2 25	20 59	0 17	12 37	1 2	20 28	0 30	2 58	0 40	21 20	0 21	14 46	17 17	11 43	11 12	26 10	2 24	2 59
F 26	22 8	6 29	3 17	19 8	0 29	23 15	2 23	21 9	0 18	12 41	1 2	20 28	0 30	2 58	0 40	21 20	0 21	14 46	17 17	11 43	11 11	26 12	2 24	2 59
S 27	22 17	0 10	2 16	19 35	0 21	23 0	2 21	21 18	0 19	12 45	1 2	20 29	0 31	2 57	0 40	21 20	0 21	14 45	17 17	11 44	11 10	26 13	2 24	2 59
S 28	22 25	6s22	1 4	20 2	0 14	22 44	2 19	21 27	0 19	12 49	1 2	20 30	0 31	2 57	0 40	21 20	0 21	14 45	17 16	11 44	11 9	26 14	2 23	2 59
M29	22 33	12 48	0s13	20 28	0 7	22 28	2 17	21 35	0 20	12 53	1 2	20 30	0 31	2 57	0 40	21 20	0 21	14 45	17 16	11 44	11 8	26 16	2 23	2 58
T 30	22s40	18s43	1s32	20s53	0n 0	22s11	2s15	21s44	0s20	12s57	1n 2	20n31	0n31	2n57	0s40	21n21	0s21	14s45	17s16	11n44	11n 7	26n17	2n23	2n58

Julian Day Number = 2120215.5, Delta T = 18m06s
Ecliptic obliquity = 23°33'33, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°05'38, Lahiri = 11°12'39 Julian Calendar 1 Nov. 1092 == Greg. Calendar 7 Nov. 1092

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1092
geocentric

DECEMBER 1092 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 4 4	15♐37'42	2♐58	4♐38	2♒16	6♐38	7♏13	1°R 4	8°R55	22°R23	2°R37	0°R32	28♈46	14♊28	29°R 8	W 1
T 2	5 8 1	16°38'54	18°15	6°10	3°21	7°22	7°25	1♌ 1	8♈54	22♋21	2♈36	0♉26	28°43	14°35	29♓ 8	T 2
F 3	5 11 58	17°40'06	3♑33	7°43	4°27	8° 7	7°36	0°58	8°54	22°20	2°36	0°19	28°40	14°41	29° 8	F 3
S 4	5 15 54	18°41'18	18°39	9°15	5°32	8°51	7°48	0°56	8°54	22°19	2°36	0°11	28°36	14°48	29°D 8	S 4
S 5	5 19 51	19°42'30	3♒25	10°48	6°37	9°36	7°59	0°53	8°53	22°17	2°36	0° 4	28°33	14°55	29° 8	S 5
M 6	5 23 47	20°43'43	17°44	12°21	7°41	10°20	8°11	0°49	8°53	22°16	2°36	29♈57	28°30	15° 1	29° 8	M 6
T 7	5 27 44	21°44'55	1♓34	13°54	8°46	11° 5	8°22	0°46	8°53	22°15	2°36	29°53	28°27	15° 8	29° 8	T 7
W 8	5 31 40	22°46'07	14°54	15°28	9°50	11°50	8°33	0°43	8°52	22°13	2°36	29°51	28°24	15°15	29° 8	W 8
T 9	5 35 37	23°47'19	27°48	17° 2	10°53	12°34	8°44	0°40	8°52	22°12	2°36	29°D51	28°21	15°22	29° 9	T 9
F 10	5 39 33	24°48'31	10♈20	18°36	11°57	13°19	8°55	0°36	8°52	22°10	2°36	29°52	28°17	15°28	29° 9	F 10
S 11	5 43 30	25°49'43	22°34	20°10	13° 0	14° 4	9° 6	0°33	8°52	22° 9	2°D36	29°53	28°14	15°35	29° 9	S 11
S 12	5 47 27	26°50'54	4♉36	21°45	14° 2	14°49	9°17	0°29	8°D52	22° 7	2°36	29°R53	28°11	15°42	29°10	S 12
M13	5 51 23	27°52'06	16°30	23°20	15° 4	15°34	9°28	0°25	8°52	22° 6	2°36	29°51	28° 8	15°48	29°10	M13
T 14	5 55 20	28°53'17	28°20	24°55	16° 6	16°19	9°39	0°22	8°52	22° 4	2°36	29°47	28° 5	15°55	29°11	T 14
W15	5 59 16	29°54'28	10♊ 9	26°31	17° 8	17° 3	9°50	0°18	8°52	22° 3	2°36	29°40	28° 2	16° 2	29°11	W15
T 16	6 3 13	0♑55'39	21°59	28° 7	18° 9	17°48	10° 0	0°14	8°53	22° 1	2°36	29°31	27°58	16° 8	29°12	T 16
F 17	6 7 9	1°56'50	3♋53	29°43	19°10	18°33	10°11	0°10	8°53	22° 0	2°36	29°19	27°55	16°15	29°13	F 17
S 18	6 11 6	2°58'00	15°51	1♑20	20°10	19°19	10°21	0° 6	8°53	21°58	2°36	29° 7	27°52	16°22	29°14	S 18
S 19	6 15 3	3°59'10	27°56	2°57	21°10	20° 4	10°31	0° 2	8°53	21°57	2°36	28°54	27°49	16°28	29°14	S 19
M20	6 18 59	5° 0'21	10♌ 7	4°35	22° 9	20°49	10°41	29♋58	8°54	21°55	2°37	28°42	27°46	16°35	29°15	M20
T 21	6 22 56	6° 1'31	22°27	6°13	23° 8	21°34	10°51	29°53	8°54	21°53	2°37	28°32	27°42	16°42	29°16	T 21
W22	6 26 52	7° 2'40	4♍58	7°51	24° 6	22°19	11° 1	29°49	8°55	21°52	2°37	28°25	27°39	16°48	29°17	W22
T 23	6 30 49	8° 3'50	17°43	9°30	25° 4	23° 4	11°11	29°45	8°55	21°50	2°37	28°20	27°36	16°55	29°18	T 23
F 24	6 34 45	9° 5'00	0♎43	11°10	26° 1	23°50	11°21	29°40	8°56	21°48	2°38	28°19	27°33	17° 2	29°19	F 24
S 25	6 38 42	10° 6'09	14° 3	12°50	26°58	24°35	11°31	29°36	8°57	21°47	2°38	28°D18	27°30	17° 9	29°21	S 25
S 26	6 42 38	11° 7'18	27°45	14°30	27°54	25°21	11°40	29°32	8°57	21°45	2°38	28°R19	27°27	17°15	29°22	S 26
M27	6 46 35	12° 8'27	11♏51	16°11	28°50	26° 6	11°50	29°27	8°58	21°43	2°39	28°18	27°23	17°22	29°23	M27
T 28	6 50 32	13° 9'36	26°21	17°52	29°45	26°51	11°59	29°22	8°59	21°42	2°39	28°15	27°20	17°29	29°24	T 28
W29	6 54 28	14°10'44	11♐12	19°34	0♓39	27°37	12° 8	29°18	9° 0	21°40	2°39	28°10	27°17	17°35	29°26	W29
T 30	6 58 25	15°11'52	26°18	21°16	1°33	28°23	12°18	29°13	9° 1	21°38	2°40	28° 2	27°14	17°42	29°27	T 30
F 31	7 2 21	16♑13'00	11♑30	22♑59	2♓26	29♐ 8	12♏27	29♋ 8	9♈ 2	21♋37	2♈40	27♈51	27♈11	17♊49	29♓29	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s47	23s34	2s46	21s17	0s 7	21s54	2s12	21s52	0s21	13s 1	1n 2	20n32	0n31	2n56	0s40	21n21	0s21	14s45	17s15	11n43	11n 5	26n19	2n22	2n58
T 2	22 53	26 50	3 49	21 40	0 14	21 36	2 10	22 0	0 22	13 4	1 2	20 32	0 31	2 56	0 40	21 21	0 21	14 44	17 15	11 41	11 4	26 20	2 22	2 58
F 3	22 59	28 5	4 35	22 3	0 21	21 18	2 7	22 8	0 22	13 8	1 2	20 33	0 31	2 56	0 40	21 21	0 21	14 44	17 14	11 38	11 3	26 21	2 22	2 57
S 4	23 4	27 13	5 1	22 24	0 27	20 59	2 4	22 16	0 23	13 12	1 2	20 34	0 32	2 56	0 40	21 21	0 21	14 44	17 14	11 36	11 2	26 23	2 22	2 57
S 5	23 9	24 27	5 7	22 44	0 34	20 40	2 1	22 23	0 24	13 15	1 2	20 35	0 32	2 56	0 40	21 22	0 21	14 44	17 14	11 33	11 1	26 24	2 21	2 57
M 6	23 14	20 14	4 53	23 3	0 40	20 20	1 58	22 31	0 24	13 19	1 3	20 36	0 32	2 56	0 40	21 22	0 21	14 43	17 13	11 31	11 0	26 26	2 21	2 57
T 7	23 18	15 3	4 22	23 21	0 46	20 0	1 55	22 38	0 25	13 23	1 3	20 36	0 32	2 56	0 40	21 22	0 21	14 43	17 13	11 29	10 59	26 27	2 21	2 57
W 8	23 22	9 19	3 38	23 38	0 52	19 40	1 51	22 44	0 25	13 26	1 3	20 37	0 32	2 56	0 40	21 22	0 21	14 43	17 13	11 29	10 57	26 28	2 21	2 56
T 9	23 25	3 23	2 44	23 53	0 58	19 19	1 48	22 51	0 26	13 30	1 3	20 38	0 32	2 56	0 40	21 23	0 21	14 42	17 12	11 28	10 56	26 30	2 21	2 56
F 10	23 27	2n32	1 43	24 8	1 4	18 57	1 44	22 57	0 27	13 33	1 3	20 39	0 33	2 56	0 40	21 23	0 21	14 42	17 12	11 29	10 55	26 31	2 21	2 56
S 11	23 30	8 13	0 39	24 21	1 10	18 36	1 40	23 3	0 27	13 37	1 3	20 40	0 33	2 56	0 40	21 23	0 21	14 42	17 12	11 29	10 54	26 32	2 21	2 56
S 12	23 31	13 31	0n25	24 33	1 15	18 14	1 36	23 9	0 28	13 40	1 3	20 41	0 33	2 56	0 40	21 23	0 21	14 41	17 11	11 29	10 53	26 34	2 21	2 55
M13	23 33	18 15	1 28	24 43	1 20	17 51	1 32	23 15	0 28	13 43	1 3	20 42	0 33	2 56	0 39	21 24	0 21	14 41	17 11	11 29	10 52	26 35	2 21	2 55
T 14	23 33	22 15	2 26	24 53	1 25	17 28	1 27	23 20	0 29	13 47	1 3	20 43	0 33	2 56	0 39	21 24	0 21	14 41	17 10	11 27	10 51	26 36	2 21	2 55
W15	23 34	25 20	3 18	25 0	1 30	17 5	1 22	23 25	0 30	13 50	1 3	20 44	0 33	2 56	0 39	21 24	0 21	14 40	17 10	11 25	10 49	26 38	2 21	2 55
T 16	23 33	27 19	4 1	25 7	1 34	16 42	1 18	23 30	0 30	13 53	1 3	20 45	0 33	2 56	0 39	21 24	0 21	14 40	17 10	11 21	10 48	26 39	2 21	2 54
F 17	23 33	28 3	4 33	25 12	1 38	16 18	1 13	23 35	0 31	13 56	1 3	20 46	0 33	2 56	0 39	21 25	0 21	14 39	17 9	11 17	10 47	26 40	2 21	2 54
S 18	23 32	27 29	4 54	25 15	1 42	15 54	1 8	23 39	0 31	14 0	1 3	20 47	0 34	2 56	0 39	21 25	0 21	14 39	17 9	11 13	10 46	26 42	2 21	2 54
S 19	23 30	25 37	5 2	25 18	1 46	15 30	1 2	23 43	0 32	14 3	1 4	20 48	0 34	2 56	0 39	21 25	0 21	14 39	17 9	11 8	10 45	26 43	2 21	2 54
M20	23 28	22 33	4 56	25 18	1 49	15 6	0 57	23 47	0 33	14 6	1 4	20 49	0 34	2 57	0 39	21 25	0 21	14 38	17 8	11 4	10 44	26 44	2 21	2 54
T 21	23 25	18 27	4 37	25 17	1 53	14 41	0 51	23 51	0 33	14 9	1 4	20 50	0 34	2 57	0 39	21 26	0 21	14 38	17 8	11 0	10 43	26 45	2 21	2 53
W22	23 22	13 30	4 3	25 15	1 55	14 16	0 45	23 54	0 34	14 12	1 4	20 51	0 34	2 57	0 39	21 26	0 21	14 37	17 7	10 58	10 41	26 47	2 22	2 53
T 23	23 19	7 55	3 18	25 11	1 58	13 51	0 40	23 57	0 35	14 15	1 4	20 52	0 34	2 57	0 39	21 26	0 21	14 37	17 7	10 56	10 40	26 48	2 22	2 53
F 24	23 15	1 52	2 21	25 5	2 0	13 26	0 33	24 0	0 35	14 18	1 4	20 53	0 34	2 58	0 39	21 26	0 21	14 37	17 7	10 56	10 39	26 49	2 22	2 53
S 25	23 10	4s25	1 15	24 57	2 2	13 0	0 27	24 3	0 36	14 21	1 4	20 54	0 35	2 58	0 39	21 27	0 21	14 36	17 6	10 55	10 38	26 50	2 22	2 52
S 26	23 5	10 41	0 3	24 48	2 3	12 35	0 21	24 5	0 36	14 24	1 4	20 55	0 35	2 58	0 39	21 27	0 21	14 36	17 6	10 56	10 37	26 52	2 23	2 52
M27	23 0	16 36	1s11	24 38	2 4	12 9	0 14	24 7	0 37	14 26	1 4	20 56	0 35	2 59	0 39	21 27	0 21	14 35	17 6	10 55	10 36	26 53	2 23	2 52
T 28	22 54	21 45	2 23	24 25	2 5	11 44	0 7	24 9	0 38	14 29	1 4	20 57	0 35	2 59	0 39	21 28	0 21	14 35	17 5	10 54	10 35	26 54	2 23	2 52
W29	22 48	25 38	3 26	24 11	2 5	11 18	0n 0	24 10	0 38	14 32	1 5	20 58	0 35	2 59	0 39	21 28	0 21	14 34	17 5	10 52	10 33	26 55	2 24	2 52
T 30	22 41	27 47	4 16	23 55	2 5	10 52	0 7	24 12	0 39	14 35	1 5	20 59	0 35	3 0	0 39	21 28	0 21	14 34	17 5	10 50	10 32	26 57	2 24	2 51
F 31	22s34	27s51	4s49	23s38	2s 4	10s26	0n15	24s13	0s39	14s37	1n 5	21n 0	0n35	3n 0	0s39	21n28	0s21	14s33	17s 4	10n46	10n31	26n58	2n24	2n51

Julian Day Number = 2120245.5, Delta T = 18m05s
Ecliptic obliquity = 23°33'32, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°05'42, Lahiri = 11°12'43 Julian Calendar 1 Dec. 1092 == Greg. Calendar 7 Dec. 1092

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1093
geocentric

JANUARY 1093 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 6 18	17♑14'07	26♑36	24♑41	3♓18	29♐54	12♏35	29°R 4	9♈ 3	21°R35	2♈41	27°R39	27♈ 8	17♊55	29♓30	S 1
S 2	7 10 14	18°15'13	11♒27	26°25	4° 9	0♑39	12°44	28♋59	9° 4	21♋33	2°41	27♈28	27° 4	18° 2	29°32	S 2
M 3	7 14 11	19°16'18	25°55	28° 8	5° 0	1°25	12°53	28°54	9° 5	21°32	2°42	27°18	27° 1	18° 9	29°33	M 3
T 4	7 18 7	20°17'22	9♓53	29°52	5°50	2°11	13° 1	28°49	9° 6	21°30	2°42	27°10	26°58	18°15	29°35	T 4
W 5	7 22 4	21°18'24	23°22	1♒35	6°39	2°57	13°10	28°44	9° 7	21°28	2°43	27° 5	26°55	18°22	29°37	W 5
T 6	7 26 1	22°19'26	6♈22	3°19	7°27	3°42	13°18	28°40	9° 9	21°27	2°44	27° 3	26°52	18°29	29°39	T 6
F 7	7 29 57	23°20'26	18°58	5° 2	8°14	4°28	13°26	28°35	9°10	21°25	2°44	27° 2	26°48	18°36	29°41	F 7
S 8	7 33 54	24°21'25	1♉13	6°45	9° 1	5°14	13°34	28°30	9°11	21°23	2°45	27° 2	26°45	18°42	29°42	S 8
S 9	7 37 50	25°22'23	13°15	8°27	9°46	6° 0	13°42	28°25	9°13	21°22	2°45	27° 1	26°42	18°49	29°44	S 9
M10	7 41 47	26°23'20	25° 7	10° 8	10°30	6°46	13°50	28°20	9°14	21°20	2°46	26°59	26°39	18°56	29°46	M10
T 11	7 45 43	27°24'15	6♊56	11°48	11°13	7°32	13°58	28°15	9°16	21°18	2°47	26°54	26°36	19° 2	29°48	T 11
W12	7 49 40	28°25'10	18°45	13°27	11°55	8°18	14° 5	28°10	9°17	21°16	2°47	26°46	26°33	19° 9	29°50	W12
T 13	7 53 36	29°26'02	0♋37	15° 3	12°36	9° 4	14°12	28° 5	9°19	21°15	2°48	26°36	26°29	19°16	29°53	T 13
F 14	7 57 33	0♒26'54	12°36	16°38	13°16	9°50	14°20	28° 0	9°21	21°13	2°49	26°22	26°26	19°22	29°55	F 14
S 15	8 1 30	1°27'44	24°43	18° 9	13°54	10°36	14°27	27°56	9°22	21°11	2°50	26° 8	26°23	19°29	29°57	S 15
S 16	8 5 26	2°28'33	6♌59	19°37	14°31	11°22	14°34	27°51	9°24	21°10	2°51	25°53	26°20	19°36	29°59	S 16
M17	8 9 23	3°29'21	19°25	21° 1	15° 7	12° 8	14°40	27°46	9°26	21° 8	2°51	25°40	26°17	19°43	0♈ 2	M17
T 18	8 13 19	4°30'08	2♍ 1	22°20	15°41	12°54	14°47	27°41	9°28	21° 7	2°52	25°28	26°14	19°49	0° 4	T 18
W19	8 17 16	5°30'53	14°46	23°34	16°14	13°40	14°53	27°36	9°30	21° 5	2°53	25°20	26°10	19°56	0° 6	W19
T 20	8 21 12	6°31'37	27°43	24°42	16°46	14°27	15° 0	27°31	9°32	21° 3	2°54	25°14	26° 7	20° 3	0° 9	T 20
F 21	8 25 9	7°32'20	10♎52	25°43	17°15	15°13	15° 6	27°26	9°34	21° 2	2°55	25°12	26° 4	20° 9	0°11	F 21
S 22	8 29 5	8°33'01	24°15	26°36	17°43	15°59	15°12	27°22	9°36	21° 0	2°56	25°D11	26° 1	20°16	0°14	S 22
S 23	8 33 2	9°33'42	7♏53	27°21	18°10	16°45	15°18	27°17	9°38	20°58	2°57	25°R11	25°58	20°23	0°16	S 23
M24	8 36 59	10°34'22	21°49	27°56	18°34	17°32	15°24	27°12	9°40	20°57	2°57	25°11	25°54	20°29	0°19	M24
T 25	8 40 55	11°35'00	6♐ 2	28°23	18°57	18°18	15°29	27° 7	9°42	20°55	2°58	25° 9	25°51	20°36	0°21	T 25
W26	8 44 52	12°35'38	20°32	28°39	19°18	19° 4	15°35	27° 3	9°44	20°54	2°59	25° 4	25°48	20°43	0°24	W26
T 27	8 48 48	13°36'14	5♑14	28°R44	19°37	19°51	15°40	26°58	9°46	20°52	3° 0	24°57	25°45	20°49	0°27	T 27
F 28	8 52 45	14°36'48	20° 3	28°40	19°54	20°37	15°45	26°54	9°49	20°51	3° 1	24°47	25°42	20°56	0°30	F 28
S 29	8 56 41	15°37'22	4♒50	28°25	20° 9	21°24	15°50	26°49	9°51	20°49	3° 2	24°36	25°39	21° 3	0°32	S 29
S 30	9 0 38	16°37'53	19°27	28° 0	20°22	22°10	15°55	26°45	9°53	20°48	3° 3	24°25	25°35	21°10	0°35	S 30
M31	9 4 35	17♒38'23	3♓47	27♒26	20♓32	22♑57	15♏59	26♋40	9♈56	20♋46	3♈ 5	24♈16	25♈32	21♊16	0♈38	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s27	25s51	5s 0	23s18	2s 3	10s 0	0n22	24s13	0s40	14s40	1n 5	21n 2	0n35	3n 1	0s39	21n29	0s21	14s33	17s 4	10n42	10n30	26n59	2n25	2n51
S 2	22 18	22 6	4 52	22 57	2 1	9 34	0 30	24 14	0 40	14 42	1 5	21 3	0 36	3 1	0 39	21 29	0 21	14 32	17 4	10 37	10 29	27 0	2 25	2 51
M 3	22 10	17 5	4 24	22 35	1 59	9 8	0 38	24 14	0 41	14 45	1 5	21 4	0 36	3 2	0 39	21 29	0 21	14 32	17 3	10 34	10 28	27 1	2 26	2 51
T 4	22 1	11 19	3 42	22 10	1 56	8 42	0 46	24 14	0 42	14 47	1 5	21 5	0 36	3 2	0 39	21 29	0 21	14 31	17 3	10 31	10 27	27 2	2 26	2 50
W 5	21 52	5 13	2 48	21 44	1 52	8 16	0 54	24 14	0 42	14 50	1 5	21 6	0 36	3 3	0 39	21 30	0 21	14 31	17 2	10 29	10 25	27 4	2 27	2 50
T 6	21 42	0n54	1 47	21 16	1 48	7 51	1 3	24 13	0 43	14 52	1 5	21 7	0 36	3 3	0 39	21 30	0 21	14 30	17 2	10 28	10 24	27 5	2 27	2 50
F 7	21 32	6 48	0 43	20 47	1 43	7 25	1 12	24 12	0 43	14 55	1 6	21 8	0 36	3 4	0 39	21 30	0 21	14 29	17 2	10 28	10 23	27 6	2 28	2 50
S 8	21 21	12 18	0n22	20 16	1 38	6 59	1 20	24 11	0 44	14 57	1 6	21 9	0 36	3 4	0 38	21 31	0 21	14 29	17 1	10 28	10 22	27 7	2 28	2 49
S 9	21 10	17 14	1 25	19 43	1 32	6 34	1 30	24 10	0 44	14 59	1 6	21 10	0 36	3 5	0 38	21 31	0 21	14 28	17 1	10 28	10 21	27 8	2 29	2 49
M10	20 59	21 27	2 23	19 9	1 25	6 9	1 39	24 8	0 45	15 1	1 6	21 12	0 36	3 5	0 38	21 31	0 21	14 28	17 1	10 27	10 20	27 9	2 30	2 49
T 11	20 47	24 46	3 14	18 34	1 17	5 43	1 48	24 6	0 46	15 3	1 6	21 13	0 37	3 6	0 38	21 31	0 21	14 27	17 0	10 25	10 18	27 10	2 30	2 49
W12	20 35	27 1	3 57	17 58	1 9	5 19	1 58	24 4	0 46	15 6	1 6	21 14	0 37	3 7	0 38	21 32	0 21	14 27	17 0	10 22	10 17	27 11	2 31	2 49
T 13	20 22	28 3	4 30	17 21	1 0	4 54	2 8	24 1	0 47	15 8	1 6	21 15	0 37	3 7	0 38	21 32	0 21	14 26	17 0	10 18	10 16	27 13	2 31	2 48
F 14	20 9	27 47	4 51	16 43	0 49	4 29	2 18	23 59	0 47	15 10	1 6	21 16	0 37	3 8	0 38	21 32	0 21	14 25	16 59	10 14	10 15	27 14	2 32	2 48
S 15	19 56	26 11	4 59	16 5	0 39	4 5	2 28	23 56	0 48	15 12	1 7	21 17	0 37	3 9	0 38	21 32	0 21	14 25	16 59	10 8	10 14	27 15	2 33	2 48
S 16	19 42	23 21	4 54	15 26	0 27	3 42	2 38	23 52	0 48	15 14	1 7	21 18	0 37	3 10	0 38	21 33	0 21	14 24	16 59	10 3	10 13	27 16	2 34	2 48
M17	19 28	19 25	4 34	14 47	0 14	3 18	2 49	23 49	0 49	15 15	1 7	21 19	0 37	3 10	0 38	21 33	0 21	14 24	16 59	9 58	10 12	27 17	2 34	2 48
T 18	19 14	14 34	4 2	14 9	0 1	2 55	2 59	23 45	0 49	15 17	1 7	21 20	0 37	3 11	0 38	21 33	0 21	14 23	16 58	9 54	10 10	27 18	2 35	2 48
W19	18 59	9 2	3 16	13 31	0n13	2 32	3 10	23 41	0 50	15 19	1 7	21 21	0 37	3 12	0 38	21 34	0 20	14 22	16 58	9 51	10 9	27 19	2 36	2 47
T 20	18 44	3 3	2 20	12 55	0 28	2 10	3 21	23 37	0 51	15 21	1 7	21 22	0 37	3 13	0 38	21 34	0 20	14 22	16 58	9 49	10 8	27 20	2 37	2 47
F 21	18 29	3s10	1 15	12 20	0 43	1 48	3 32	23 32	0 51	15 22	1 7	21 23	0 38	3 13	0 38	21 34	0 20	14 21	16 57	9 48	10 7	27 21	2 37	2 47
S 22	18 13	9 22	0 5	11 47	0 59	1 27	3 43	23 27	0 52	15 24	1 7	21 24	0 38	3 14	0 38	21 34	0 20	14 21	16 57	9 48	10 6	27 22	2 38	2 47
S 23	17 57	15 16	1s 7	11 17	1 15	1 6	3 55	23 22	0 52	15 26	1 8	21 25	0 38	3 15	0 38	21 35	0 20	14 20	16 57	9 48	10 5	27 23	2 39	2 47
M24	17 40	20 30	2 16	10 49	1 32	0 46	4 6	23 16	0 53	15 27	1 8	21 26	0 38	3 16	0 38	21 35	0 20	14 19	16 56	9 47	10 3	27 24	2 40	2 46
T 25	17 24	24 41	3 18	10 25	1 48	0 26	4 18	23 11	0 53	15 29	1 8	21 27	0 38	3 17	0 38	21 35	0 20	14 19	16 56	9 47	10 2	27 25	2 41	2 46
W26	17 7	27 22	4 9	10 4	2 4	0 7	4 30	23 5	0 54	15 30	1 8	21 28	0 38	3 18	0 38	21 35	0 20	14 18	16 56	9 45	10 1	27 26	2 42	2 46
T 27	16 49	28 11	4 44	9 47	2 20	0n11	4 42	22 59	0 54	15 31	1 8	21 29	0 38	3 19	0 38	21 36	0 20	14 17	16 56	9 42	10 0	27 27	2 43	2 46
F 28	16 32	27 0	5 1	9 34	2 36	0 29	4 53	22 52	0 55	15 33	1 8	21 30	0 38	3 20	0 38	21 36	0 20	14 17	16 55	9 39	9 59	27 28	2 44	2 46
S 29	16 14	23 57	4 57	9 25	2 50	0 45	5 5	22 45	0 55	15 34	1 8	21 31	0 38	3 20	0 38	21 36	0 20	14 16	16 55	9 35	9 58	27 29	2 45	2 46
S 30	15 56	19 23	4 34	9 22	3 3	1 1	5 17	22 38	0 56	15 35	1 9	21 32	0 38	3 21	0 38	21 36	0 20	14 15	16 55	9 31	9 56	27 30	2 46	2 45
M31	15s37	13s48	3s54	9s22	3n15	1n17	5n29	22s31	0s56	15s37	1n 9	21n33	0n38	3n22	0s38	21n37	0s20	14s15	16s55	9n27	9n55	27n31	2n47	2n45

Julian Day Number = 2120276.5, Delta T = 18m05s
Ecliptic obliquity = 23°33'32, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°05'46, Lahiri = 11°12'47 Julian Calendar 1 Jan. 1093 == Greg. Calendar 7 Jan. 1093

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1093
geocentric

FEBRUARY 1093 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 8 31	18♒38'51	17♓43	26°R43	20♓40	23♉43	16♏ 4	26°R36	9♈58	20°R45	3♈ 6	24°R 8	25♈29	21♊23	0♈41	T 1
W 2	9 12 28	19°39'17	1♈13	25♒53	20°46	24°30	16° 8	26♋31	10° 0	20♋43	3° 7	24♈ 3	25°26	21°30	0°44	W 2
T 3	9 16 24	20°39'41	14°17	24°57	20°50	25°16	16°12	26°27	10° 3	20°42	3° 8	24° 1	25°23	21°36	0°47	T 3
F 4	9 20 21	21°40'04	26°57	23°56	20°R51	26° 3	16°16	26°23	10° 5	20°40	3° 9	24°D 0	25°20	21°43	0°50	F 4
S 5	9 24 17	22°40'24	9♉17	22°53	20°50	26°49	16°20	26°19	10° 8	20°39	3°10	24° 1	25°16	21°50	0°53	S 5
S 6	9 28 14	23°40'43	21°22	21°48	20°46	27°36	16°23	26°15	10°10	20°38	3°11	24°R 2	25°13	21°56	0°56	S 6
M 7	9 32 10	24°40'59	3♊17	20°43	20°40	28°22	16°26	26°11	10°13	20°36	3°12	24° 1	25°10	22° 3	0°59	M 7
T 8	9 36 7	25°41'13	15° 7	19°40	20°31	29° 9	16°30	26° 7	10°16	20°35	3°14	23°59	25° 7	22°10	1° 2	T 8
W 9	9 40 3	26°41'25	26°57	18°41	20°19	29°56	16°33	26° 3	10°18	20°34	3°15	23°54	25° 4	22°17	1° 5	W 9
T 10	9 44 0	27°41'36	8♋53	17°45	20° 5	0♒42	16°36	25°59	10°21	20°32	3°16	23°48	25° 0	22°23	1° 8	T 10
F 11	9 47 57	28°41'44	20°57	16°55	19°49	1°29	16°38	25°55	10°24	20°31	3°17	23°39	24°57	22°30	1°11	F 11
S 12	9 51 53	29°41'50	3♌12	16°11	19°30	2°15	16°41	25°52	10°27	20°30	3°18	23°29	24°54	22°37	1°15	S 12
S 13	9 55 50	0♓41'54	15°39	15°33	19° 9	3° 2	16°43	25°48	10°29	20°29	3°20	23°19	24°51	22°43	1°18	S 13
M14	9 59 46	1°41'56	28°20	15° 2	18°45	3°49	16°45	25°45	10°32	20°27	3°21	23° 9	24°48	22°50	1°21	M14
T 15	10 3 43	2°41'56	11♍15	14°37	18°20	4°35	16°47	25°41	10°35	20°26	3°22	23° 1	24°45	22°57	1°24	T 15
W16	10 7 39	3°41'54	24°21	14°20	17°52	5°22	16°49	25°38	10°38	20°25	3°23	22°55	24°41	23° 3	1°28	W16
T 17	10 11 36	4°41'50	7♎40	14° 9	17°22	6° 9	16°50	25°35	10°41	20°24	3°25	22°52	24°38	23°10	1°31	T 17
F 18	10 15 32	5°41'44	21° 9	14°D 4	16°51	6°56	16°52	25°31	10°44	20°23	3°26	22°D51	24°35	23°17	1°34	F 18
S 19	10 19 29	6°41'37	4♏48	14° 6	16°18	7°42	16°53	25°28	10°47	20°22	3°27	22°51	24°32	23°24	1°38	S 19
S 20	10 23 26	7°41'28	18°38	14°14	15°43	8°29	16°54	25°25	10°50	20°21	3°28	22°53	24°29	23°30	1°41	S 20
M21	10 27 22	8°41'17	2♐36	14°28	15° 8	9°16	16°55	25°22	10°53	20°20	3°30	22°R54	24°26	23°37	1°44	M21
T 22	10 31 19	9°41'05	16°43	14°47	14°31	10° 3	16°55	25°20	10°56	20°19	3°31	22°54	24°22	23°44	1°48	T 22
W23	10 35 15	10°40'51	0♑58	15°11	13°54	10°49	16°56	25°17	10°59	20°18	3°32	22°52	24°19	23°50	1°51	W23
T 24	10 39 12	11°40'36	15°18	15°40	13°16	11°36	16°56	25°14	11° 2	20°17	3°34	22°48	24°16	23°57	1°55	T 24
F 25	10 43 8	12°40'18	29°40	16°13	12°38	12°23	16°R56	25°12	11° 5	20°16	3°35	22°43	24°13	24° 4	1°58	F 25
S 26	10 47 5	13°39'59	13♒58	16°51	12° 1	13°10	16°56	25° 9	11° 8	20°15	3°37	22°37	24°10	24°11	2° 2	S 26
S 27	10 51 1	14°39'38	28° 9	17°33	11°23	13°56	16°56	25° 7	11°11	20°14	3°38	22°31	24° 6	24°17	2° 5	S 27
M28	10 54 58	15♓39'14	12♓ 6	18♒18	10♓47	14♒43	16♏55	25♋ 5	11♈15	20♋13	3♈39	22♈25	24♈ 3	24♊24	2♈ 9	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s19	7s38	3s 0	9s27	3n26	1n31	5n41	22s24	0s57	15s38	1n 9	21n34	0n38	3n23	0s38	21n37	0s20	14s14	16s54	9n24	9n54	27n32	2n48	2n45
W 2	15 0	1 19	1 58	9 36	3 34	1 44	5 53	22 16	0 57	15 39	1 9	21 35	0 39	3 24	0 38	21 37	0 20	14 13	16 54	9 23	9 53	27 33	2 49	2 45
T 3	14 41	4n52	0 52	9 49	3 40	1 57	6 5	22 8	0 58	15 40	1 9	21 36	0 39	3 25	0 38	21 37	0 20	14 13	16 54	9 22	9 52	27 34	2 50	2 45
F 4	14 21	10 41	0n16	10 5	3 45	2 8	6 17	22 0	0 58	15 41	1 9	21 37	0 39	3 26	0 38	21 38	0 20	14 12	16 54	9 22	9 51	27 35	2 51	2 45
S 5	14 2	15 56	1 21	10 23	3 47	2 18	6 29	21 51	0 59	15 42	1 9	21 38	0 39	3 27	0 38	21 38	0 20	14 11	16 53	9 22	9 49	27 36	2 52	2 44
S 6	13 42	20 27	2 21	10 45	3 46	2 27	6 40	21 43	0 59	15 43	1 10	21 39	0 39	3 28	0 38	21 38	0 20	14 11	16 53	9 22	9 48	27 37	2 53	2 44
M 7	13 22	24 5	3 14	11 7	3 44	2 35	6 52	21 34	1 0	15 43	1 10	21 39	0 39	3 29	0 38	21 38	0 20	14 10	16 53	9 22	9 47	27 37	2 54	2 44
T 8	13 1	26 40	3 58	11 31	3 39	2 42	7 3	21 25	1 0	15 44	1 10	21 40	0 39	3 31	0 37	21 38	0 20	14 9	16 53	9 21	9 46	27 38	2 55	2 44
W 9	12 41	28 4	4 32	11 56	3 33	2 47	7 13	21 15	1 0	15 45	1 10	21 41	0 39	3 32	0 37	21 39	0 20	14 9	16 52	9 19	9 45	27 39	2 56	2 44
T 10	12 20	28 10	4 55	12 20	3 25	2 51	7 24	21 5	1 1	15 46	1 10	21 42	0 39	3 33	0 37	21 39	0 20	14 8	16 52	9 17	9 44	27 40	2 57	2 44
F 11	11 59	26 56	5 5	12 45	3 15	2 54	7 34	20 56	1 1	15 46	1 10	21 43	0 39	3 34	0 37	21 39	0 20	14 7	16 52	9 14	9 43	27 41	2 58	2 44
S 12	11 38	24 25	5 1	13 8	3 4	2 55	7 43	20 46	1 2	15 47	1 11	21 43	0 39	3 35	0 37	21 39	0 20	14 7	16 52	9 10	9 41	27 42	3 0	2 43
S 13	11 17	20 43	4 42	13 31	2 52	2 55	7 52	20 35	1 2	15 47	1 11	21 44	0 39	3 36	0 37	21 40	0 20	14 6	16 52	9 6	9 40	27 43	3 1	2 43
M14	10 55	16 1	4 10	13 52	2 40	2 54	8 1	20 25	1 3	15 48	1 11	21 45	0 39	3 37	0 37	21 40	0 20	14 5	16 51	9 2	9 39	27 44	3 2	2 43
T 15	10 34	10 32	3 24	14 12	2 26	2 51	8 9	20 14	1 3	15 48	1 11	21 45	0 39	3 38	0 37	21 40	0 20	14 5	16 51	9 0	9 38	27 44	3 3	2 43
W16	10 12	4 30	2 27	14 30	2 13	2 47	8 16	20 3	1 4	15 48	1 11	21 46	0 39	3 40	0 37	21 40	0 20	14 4	16 51	8 57	9 37	27 45	3 4	2 43
T 17	9 50	1s49	1 21	14 46	1 59	2 41	8 22	19 52	1 4	15 49	1 11	21 47	0 40	3 41	0 37	21 40	0 20	14 3	16 51	8 56	9 35	27 46	3 6	2 43
F 18	9 28	8 9	0 9	15 1	1 45	2 34	8 28	19 40	1 4	15 49	1 11	21 47	0 40	3 42	0 37	21 41	0 20	14 3	16 51	8 56	9 34	27 47	3 7	2 43
S 19	9 6	14 12	1s 4	15 14	1 31	2 26	8 32	19 29	1 5	15 49	1 12	21 48	0 40	3 43	0 37	21 41	0 20	14 2	16 50	8 56	9 33	27 48	3 8	2 43
S 20	8 44	19 37	2 15	15 25	1 17	2 16	8 36	19 17	1 5	15 49	1 12	21 49	0 40	3 44	0 37	21 41	0 20	14 2	16 50	8 56	9 32	27 48	3 9	2 42
M21	8 21	24 1	3 18	15 34	1 3	2 5	8 39	19 5	1 6	15 49	1 12	21 49	0 40	3 45	0 37	21 41	0 20	14 1	16 50	8 57	9 31	27 49	3 11	2 42
T 22	7 59	27 2	4 10	15 41	0 50	1 53	8 41	18 53	1 6	15 49	1 12	21 50	0 40	3 47	0 37	21 41	0 20	14 0	16 50	8 57	9 30	27 50	3 12	2 42
W23	7 36	28 21	4 47	15 47	0 37	1 40	8 42	18 40	1 6	15 49	1 12	21 50	0 40	3 48	0 37	21 41	0 20	14 0	16 50	8 56	9 28	27 51	3 13	2 42
T 24	7 13	27 45	5 7	15 50	0 24	1 26	8 42	18 27	1 7	15 49	1 12	21 51	0 40	3 49	0 37	21 42	0 20	13 59	16 50	8 55	9 27	27 52	3 14	2 42
F 25	6 50	25 19	5 7	15 52	0 12	1 11	8 42	18 15	1 7	15 49	1 12	21 51	0 40	3 50	0 37	21 42	0 20	13 58	16 50	8 53	9 26	27 52	3 16	2 42
S 26	6 27	21 19	4 48	15 52	0s 0	0 55	8 40	18 2	1 7	15 49	1 13	21 52	0 40	3 52	0 37	21 42	0 20	13 58	16 49	8 50	9 25	27 53	3 17	2 42
S 27	6 4	16 7	4 12	15 51	0 12	0 39	8 37	17 48	1 8	15 49	1 13	21 52	0 40	3 53	0 37	21 42	0 20	13 57	16 49	8 48	9 24	27 54	3 18	2 42
M28	5s41	10s 9	3s21	15s47	0s23	0n21	8n33	17s35	1s 8	15s49	1n13	21n53	0n40	3n54	0s37	21n42	0s20	13s56	16s49	8n46	9n23	27n55	3n20	2n42

Julian Day Number = 2120307.5, Delta T = 18m05s
Ecliptic obliquity = 23°33'33, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°05'51, Lahiri = 11°12'51 Julian Calendar 1 Feb. 1093 == Greg. Calendar 7 Feb. 1093

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1093
geocentric

MARCH 1093 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 58 55	16♓38'49	25♓45	19♒ 7	10°R10	15♒30	16°R55	25°R 3	11♈18	20°R13	3♈41	22°R21	24♈ 0	24♊31	2♈12	T 1
W 2	11 2 51	17°38'21	9♈ 5	19°59	9♓35	16°17	16♏54	25♋ 1	11°21	20♋12	3°42	22♈18	23°57	24°37	2°16	W 2
T 3	11 6 48	18°37'52	22° 4	20°54	9° 2	17° 3	16°53	24°59	11°24	20°11	3°43	22°D18	23°54	24°44	2°20	T 3
F 4	11 10 44	19°37'20	4♉42	21°52	8°29	17°50	16°51	24°57	11°28	20°10	3°45	22°18	23°51	24°51	2°23	F 4
S 5	11 14 41	20°36'45	17° 3	22°53	7°59	18°37	16°50	24°55	11°31	20°10	3°46	22°20	23°47	24°57	2°27	S 5
S 6	11 18 37	21°36'09	29°10	23°57	7°30	19°24	16°48	24°53	11°34	20° 9	3°48	22°21	23°44	25° 4	2°30	S 6
M 7	11 22 34	22°35'30	11♊ 8	25° 2	7° 3	20°11	16°47	24°52	11°37	20° 9	3°49	22°23	23°41	25°11	2°34	M 7
T 8	11 26 30	23°34'49	23° 0	26°11	6°38	20°57	16°45	24°51	11°41	20° 8	3°50	22°R23	23°38	25°18	2°37	T 8
W 9	11 30 27	24°34'06	4♋52	27°21	6°15	21°44	16°42	24°49	11°44	20° 7	3°52	22°23	23°35	25°24	2°41	W 9
T 10	11 34 24	25°33'20	16°49	28°34	5°55	22°31	16°40	24°48	11°47	20° 7	3°53	22°21	23°31	25°31	2°45	T 10
F 11	11 38 20	26°32'32	28°55	29°48	5°37	23°17	16°38	24°47	11°51	20° 6	3°55	22°18	23°28	25°38	2°48	F 11
S 12	11 42 17	27°31'42	11♌14	1♈ 5	5°21	24° 4	16°35	24°46	11°54	20° 6	3°56	22°15	23°25	25°44	2°52	S 12
S 13	11 46 13	28°30'49	23°49	2°23	5° 8	24°51	16°32	24°45	11°57	20° 6	3°58	22°11	23°22	25°51	2°56	S 13
M14	11 50 10	29°29'54	6♍42	3°44	4°57	25°38	16°29	24°44	12° 1	20° 5	3°59	22° 7	23°19	25°58	2°59	M14
T 15	11 54 6	0♈28'57	19°52	5° 6	4°48	26°24	16°26	24°44	12° 4	20° 5	4° 0	22° 4	23°16	26° 5	3° 3	T 15
W16	11 58 3	1°27'57	3♎20	6°30	4°42	27°11	16°22	24°43	12° 8	20° 4	4° 2	22° 2	23°12	26°11	3° 7	W16
T 17	12 1 59	2°26'56	17° 3	7°55	4°39	27°58	16°19	24°43	12°11	20° 4	4° 3	22°D 1	23° 9	26°18	3°10	T 17
F 18	12 5 56	3°25'52	0♏59	9°23	4°D38	28°44	16°15	24°42	12°14	20° 4	4° 5	22° 1	23° 6	26°25	3°14	F 18
S 19	12 9 53	4°24'47	15° 5	10°52	4°39	29°31	16°11	24°42	12°18	20° 4	4° 6	22° 2	23° 3	26°31	3°18	S 19
S 20	12 13 49	5°23'40	29°17	12°22	4°43	0♓18	16° 7	24°42	12°21	20° 3	4° 8	22° 3	23° 0	26°38	3°21	S 20
M21	12 17 46	6°22'31	13♐31	13°55	4°49	1° 4	16° 3	24°D42	12°25	20° 3	4° 9	22° 5	22°57	26°45	3°25	M21
T 22	12 21 42	7°21'21	27°46	15°28	4°57	1°51	15°58	24°42	12°28	20° 3	4°10	22° 5	22°53	26°51	3°28	T 22
W23	12 25 39	8°20'09	11♑59	17° 4	5° 8	2°37	15°54	24°42	12°31	20° 3	4°12	22°R 6	22°50	26°58	3°32	W23
T 24	12 29 35	9°18'55	26° 7	18°41	5°20	3°24	15°49	24°43	12°35	20° 3	4°13	22° 5	22°47	27° 5	3°36	T 24
F 25	12 33 32	10°17'39	10♒ 9	20°19	5°35	4°11	15°44	24°43	12°38	20°D 3	4°15	22° 4	22°44	27°12	3°39	F 25
S 26	12 37 28	11°16'21	24° 1	22° 0	5°52	4°57	15°39	24°44	12°42	20° 3	4°16	22° 3	22°41	27°18	3°43	S 26
S 27	12 41 25	12°15'02	7♓43	23°41	6°10	5°44	15°34	24°44	12°45	20° 3	4°18	22° 1	22°37	27°25	3°47	S 27
M28	12 45 22	13°13'41	21°12	25°25	6°31	6°30	15°29	24°45	12°49	20° 3	4°19	22° 0	22°34	27°32	3°50	M28
T 29	12 49 18	14°12'18	4♈27	27°10	6°53	7°17	15°23	24°46	12°52	20° 3	4°20	22° 0	22°31	27°38	3°54	T 29
W30	12 53 15	15°10'53	17°27	28°56	7°17	8° 3	15°18	24°47	12°56	20° 3	4°22	21°D59	22°28	27°45	3°57	W30
T 31	12 57 11	16♈ 9'26	0♉12	0♈44	7♓43	8♓50	15♏12	24♋48	12♈59	20♋ 4	4♈23	21♈59	22♈25	27♊52	4♈ 1	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s18	3s50	2s19	15s42	0s34	0n 4	8n29	17s22	1s 8	15s48	1n13	21n53	0n40	3n55	0s37	21n42	0s20	13s56	16s49	8n44	9n21	27n55	3n21	2n41
W 2	4 55	2n31	1 11	15 35	0 44	0s14	8 23	17 8	1 9	15 48	1 13	21 54	0 40	3 57	0 37	21 42	0 20	13 55	16 49	8 44	9 20	27 56	3 22	2 41
T 3	4 31	8 37	0 1	15 27	0 54	0 33	8 17	16 54	1 9	15 47	1 13	21 54	0 40	3 58	0 37	21 43	0 20	13 54	16 49	8 43	9 19	27 57	3 24	2 41
F 4	4 8	14 13	1n 7	15 17	1 3	0 51	8 10	16 40	1 9	15 47	1 13	21 54	0 40	3 59	0 37	21 43	0 20	13 54	16 49	8 43	9 18	27 57	3 25	2 41
S 5	3 44	19 6	2 11	15 5	1 12	1 10	8 2	16 26	1 10	15 46	1 14	21 55	0 40	4 1	0 37	21 43	0 20	13 53	16 49	8 44	9 17	27 58	3 26	2 41
S 6	3 21	23 8	3 8	14 52	1 20	1 28	7 53	16 11	1 10	15 46	1 14	21 55	0 40	4 2	0 37	21 43	0 20	13 52	16 49	8 45	9 16	27 59	3 28	2 41
M 7	2 57	26 7	3 56	14 37	1 28	1 47	7 44	15 57	1 10	15 45	1 14	21 55	0 40	4 3	0 37	21 43	0 20	13 52	16 49	8 45	9 14	28 0	3 29	2 41
T 8	2 34	27 55	4 33	14 21	1 35	2 5	7 34	15 42	1 11	15 45	1 14	21 56	0 40	4 4	0 37	21 43	0 20	13 51	16 49	8 45	9 13	28 0	3 30	2 41
W 9	2 10	28 27	4 59	14 3	1 42	2 23	7 24	15 27	1 11	15 44	1 14	21 56	0 40	4 6	0 37	21 43	0 20	13 51	16 48	8 45	9 12	28 1	3 32	2 41
T 10	1 46	27 39	5 12	13 44	1 49	2 40	7 13	15 12	1 11	15 43	1 14	21 56	0 40	4 7	0 37	21 43	0 20	13 50	16 48	8 45	9 11	28 2	3 33	2 41
F 11	1 23	25 33	5 11	13 23	1 55	2 57	7 2	14 57	1 12	15 42	1 14	21 56	0 40	4 8	0 37	21 43	0 20	13 49	16 48	8 44	9 10	28 2	3 34	2 41
S 12	0 59	22 14	4 56	13 1	2 0	3 13	6 51	14 42	1 12	15 41	1 14	21 57	0 40	4 10	0 37	21 43	0 20	13 49	16 48	8 42	9 8	28 3	3 36	2 40
S 13	0 36	17 51	4 27	12 37	2 5	3 29	6 39	14 26	1 12	15 40	1 15	21 57	0 40	4 11	0 37	21 44	0 19	13 48	16 48	8 41	9 7	28 3	3 37	2 40
M14	0 12	12 34	3 44	12 12	2 10	3 44	6 27	14 11	1 12	15 39	1 15	21 57	0 40	4 12	0 37	21 44	0 19	13 48	16 48	8 39	9 6	28 4	3 39	2 40
T 15	0n12	6 36	2 48	11 45	2 14	3 59	6 15	13 55	1 13	15 38	1 15	21 57	0 41	4 14	0 37	21 44	0 19	13 47	16 48	8 38	9 5	28 5	3 40	2 40
W16	0 35	0 13	1 41	11 18	2 17	4 12	6 2	13 39	1 13	15 37	1 15	21 57	0 41	4 15	0 37	21 44	0 19	13 46	16 48	8 37	9 4	28 5	3 41	2 40
T 17	0 59	6s19	0 27	10 48	2 20	4 25	5 50	13 23	1 13	15 36	1 15	21 57	0 41	4 16	0 37	21 44	0 19	13 46	16 48	8 37	9 3	28 6	3 43	2 40
F 18	1 22	12 39	0s49	10 17	2 23	4 37	5 37	13 7	1 13	15 35	1 15	21 57	0 41	4 18	0 37	21 44	0 19	13 45	16 48	8 37	9 1	28 6	3 44	2 40
S 19	1 46	18 25	2 4	9 45	2 25	4 49	5 25	12 51	1 13	15 34	1 15	21 58	0 41	4 19	0 37	21 44	0 19	13 45	16 48	8 38	9 0	28 7	3 46	2 40
S 20	2 9	23 12	3 11	9 12	2 26	4 59	5 12	12 34	1 14	15 32	1 15	21 58	0 41	4 20	0 37	21 44	0 19	13 44	16 48	8 38	8 59	28 8	3 47	2 40
M21	2 33	26 38	4 7	8 37	2 27	5 9	5 0	12 18	1 14	15 31	1 15	21 58	0 41	4 22	0 37	21 44	0 19	13 44	16 48	8 38	8 58	28 8	3 48	2 40
T 22	2 56	28 20	4 48	8 1	2 28	5 17	4 47	12 1	1 14	15 30	1 15	21 58	0 41	4 23	0 37	21 44	0 19	13 43	16 48	8 39	8 57	28 9	3 50	2 40
W23	3 19	28 11	5 11	7 24	2 28	5 25	4 35	11 45	1 14	15 28	1 16	21 58	0 41	4 25	0 37	21 44	0 19	13 42	16 48	8 39	8 55	28 9	3 51	2 40
T 24	3 43	26 11	5 15	6 45	2 27	5 32	4 22	11 28	1 14	15 27	1 16	21 58	0 41	4 26	0 37	21 44	0 19	13 42	16 48	8 39	8 54	28 10	3 53	2 40
F 25	4 6	22 36	5 0	6 5	2 26	5 38	4 10	11 11	1 15	15 25	1 16	21 57	0 41	4 27	0 37	21 44	0 19	13 41	16 48	8 38	8 53	28 10	3 54	2 40
S 26	4 29	17 48	4 28	5 24	2 25	5 43	3 58	10 54	1 15	15 24	1 16	21 57	0 41	4 29	0 37	21 44	0 19	13 41	16 48	8 38	8 52	28 11	3 55	2 40
S 27	4 52	12 8	3 41	4 42	2 22	5 48	3 46	10 37	1 15	15 22	1 16	21 57	0 41	4 30	0 37	21 44	0 19	13 40	16 48	8 37	8 51	28 11	3 57	2 40
M28	5 15	5 59	2 42	3 58	2 20	5 51	3 34	10 20	1 15	15 21	1 16	21 57	0 41	4 31	0 37	21 44	0 19	13 40	16 48	8 37	8 50	28 12	3 58	2 40
T 29	5 38	0n19	1 36	3 13	2 17	5 54	3 22	10 3	1 15	15 19	1 16	21 57	0 41	4 33	0 37	21 44	0 19	13 39	16 48	8 37	8 48	28 12	4 0	2 40
W30	6 0	6 30	0 25	2 28	2 13	5 55	3 11	9 45	1 15	15 17	1 16	21 57	0 41	4 34	0 37	21 44	0 19	13 39	16 48	8 36	8 47	28 13	4 1	2 39
T 31	6n23	12n18	0n45	1s41	2s 9	5s56	3n 0	9s28	1s15	15s16	1n16	21n57	0n41	4n35	0s37	21n44	0s19	13s38	16s49	8n36	8n46	28n13	4n 2	2n39

Julian Day Number = 2120335.5, Delta T = 18m05s
Ecliptic obliquity = 23°33'34, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°05'55, Lahiri = 11°12'55 Julian Calendar 1 March 1093 == Greg. Calendar 7 March 1093

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1093
geocentric

APRIL 1093 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 1 8	17♈ 7'57	12♉41	2♈34	8♓10	9♓36	15°R 6	24♋49	13♈ 2	20♋ 4	4♈25	22♈ 0	22♈22	27♊59	4♈ 5	F 1
S 2	13 5 4	18° 6'26	24°58	4°26	8°39	10°22	15♏ 0	24°50	13° 6	20° 4	4°26	22° 0	22°18	28° 5	4° 8	S 2
S 3	13 9 1	19° 4'53	7♊ 3	6°19	9° 9	11° 9	14°54	24°52	13° 9	20° 4	4°28	22° 0	22°15	28°12	4°12	S 3
M 4	13 12 57	20° 3'18	19° 0	8°13	9°41	11°55	14°48	24°53	13°13	20° 5	4°29	22° 1	22°12	28°19	4°15	M 4
T 5	13 16 54	21° 1'41	0♋53	10°10	10°14	12°41	14°41	24°55	13°16	20° 5	4°30	22° 1	22° 9	28°25	4°19	T 5
W 6	13 20 50	22° 0'02	12°46	12° 8	10°48	13°28	14°35	24°56	13°20	20° 5	4°32	22°R 1	22° 6	28°32	4°22	W 6
T 7	13 24 47	22°58'21	24°42	14° 7	11°24	14°14	14°28	24°58	13°23	20° 6	4°33	22°D 1	22° 3	28°39	4°26	T 7
F 8	13 28 44	23°56'37	6♌48	16° 8	12° 1	15° 0	14°22	25° 0	13°26	20° 6	4°34	22° 1	21°59	28°46	4°29	F 8
S 9	13 32 40	24°54'52	19° 7	18°11	12°39	15°46	14°15	25° 2	13°30	20° 7	4°36	22° 1	21°56	28°52	4°33	S 9
S 10	13 36 37	25°53'04	1♍43	20°15	13°18	16°33	14° 8	25° 4	13°33	20° 7	4°37	22° 1	21°53	28°59	4°36	S 10
M11	13 40 33	26°51'14	14°40	22°20	13°59	17°19	14° 1	25° 7	13°37	20° 8	4°39	22° 2	21°50	29° 6	4°40	M11
T 12	13 44 30	27°49'23	27°59	24°27	14°40	18° 5	13°54	25° 9	13°40	20° 8	4°40	22° 2	21°47	29°12	4°43	T 12
W13	13 48 26	28°47'29	11♎41	26°34	15°23	18°51	13°47	25°11	13°43	20° 9	4°41	22° 3	21°43	29°19	4°47	W13
T 14	13 52 23	29°45'33	25°44	28°43	16° 6	19°37	13°40	25°14	13°47	20° 9	4°42	22°R 3	21°40	29°26	4°50	T 14
F 15	13 56 19	0♉43'36	10♏ 5	0♉52	16°50	20°23	13°33	25°16	13°50	20°10	4°44	22° 2	21°37	29°33	4°53	F 15
S 16	14 0 16	1°41'38	24°38	3° 2	17°35	21° 9	13°25	25°19	13°53	20°11	4°45	22° 2	21°34	29°39	4°57	S 16
S 17	14 4 13	2°39'38	9♐17	5°12	18°22	21°55	13°18	25°22	13°57	20°12	4°46	22° 1	21°31	29°46	5° 0	S 17
M18	14 8 9	3°37'36	23°57	7°22	19° 8	22°41	13°11	25°25	14° 0	20°12	4°48	21°59	21°28	29°53	5° 3	M18
T 19	14 12 6	4°35'33	8♑30	9°32	19°56	23°27	13° 3	25°28	14° 3	20°13	4°49	21°58	21°24	29°59	5° 7	T 19
W20	14 16 2	5°33'29	22°53	11°41	20°45	24°13	12°56	25°31	14° 6	20°14	4°50	21°57	21°21	0♋ 6	5°10	W20
T 21	14 19 59	6°31'23	7♒ 1	13°50	21°34	24°58	12°48	25°34	14°10	20°15	4°52	21°D57	21°18	0°13	5°13	T 21
F 22	14 23 55	7°29'17	20°53	15°57	22°24	25°44	12°41	25°38	14°13	20°16	4°53	21°57	21°15	0°20	5°16	F 22
S 23	14 27 52	8°27'08	4♓29	18° 3	23°14	26°30	12°33	25°41	14°16	20°17	4°54	21°58	21°12	0°26	5°20	S 23
S 24	14 31 48	9°24'59	17°50	20° 8	24° 6	27°16	12°25	25°44	14°19	20°18	4°55	21°59	21° 8	0°33	5°23	S 24
M25	14 35 45	10°22'48	0♈55	22°10	24°58	28° 1	12°18	25°48	14°23	20°19	4°56	22° 1	21° 5	0°40	5°26	M25
T 26	14 39 42	11°20'36	13°46	24°11	25°50	28°47	12°10	25°52	14°26	20°20	4°58	22° 2	21° 2	0°46	5°29	T 26
W27	14 43 38	12°18'23	26°25	26° 9	26°43	29°32	12° 3	25°55	14°29	20°21	4°59	22°R 2	20°59	0°53	5°32	W27
T 28	14 47 35	13°16'08	8♉53	28° 4	27°37	0♈18	11°55	25°59	14°32	20°22	5° 0	22° 1	20°56	1° 0	5°35	T 28
F 29	14 51 31	14°13'52	21°10	29°57	28°31	1° 3	11°47	26° 3	14°35	20°23	5° 1	21°59	20°53	1° 7	5°38	F 29
S 30	14 55 28	15♉11'35	3♊18	1♊48	29♓26	1♈49	11♏40	26♋ 7	14♈38	20♋24	5♈ 2	21♈56	20♈49	1♋13	5♈41	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6n46	17n30	1n52	0s52	2s 4	5s56	2n49	9s10	1s16	15s14	1n16	21n57	0n41	4n37	0s37	21n44	0s19	13s38	16s49	8n37	8n45	28n14	4n 4	2n39
S 2	7 8	21 54	2 53	0 3	1 59	5 56	2 38	8 53	1 16	15 12	1 16	21 56	0 41	4 38	0 37	21 44	0 19	13 37	16 49	8 37	8 44	28 14	4 5	2 39
S 3	7 30	25 17	3 45	0n47	1 54	5 54	2 27	8 35	1 16	15 10	1 16	21 56	0 41	4 39	0 37	21 44	0 19	13 37	16 49	8 37	8 42	28 15	4 7	2 39
M 4	7 53	27 31	4 26	1 38	1 47	5 52	2 17	8 18	1 16	15 8	1 16	21 56	0 41	4 41	0 37	21 44	0 19	13 36	16 49	8 37	8 41	28 15	4 8	2 39
T 5	8 15	28 29	4 56	2 30	1 41	5 49	2 6	8 0	1 16	15 7	1 16	21 56	0 41	4 42	0 37	21 44	0 19	13 36	16 49	8 37	8 40	28 16	4 9	2 39
W 6	8 37	28 8	5 13	3 23	1 34	5 46	1 56	7 42	1 16	15 5	1 16	21 55	0 41	4 43	0 37	21 44	0 19	13 35	16 49	8 37	8 39	28 16	4 11	2 39
T 7	8 58	26 29	5 17	4 17	1 26	5 41	1 46	7 24	1 16	15 3	1 16	21 55	0 41	4 45	0 37	21 44	0 19	13 35	16 49	8 37	8 38	28 17	4 12	2 39
F 8	9 20	23 36	5 7	5 11	1 18	5 36	1 37	7 6	1 16	15 1	1 16	21 55	0 41	4 46	0 37	21 44	0 19	13 35	16 49	8 37	8 36	28 17	4 14	2 39
S 9	9 42	19 38	4 42	6 6	1 9	5 30	1 27	6 48	1 16	14 59	1 16	21 54	0 41	4 47	0 37	21 44	0 19	13 34	16 49	8 37	8 35	28 17	4 15	2 39
S 10	10 3	14 43	4 4	7 1	1 1	5 24	1 18	6 30	1 16	14 57	1 16	21 54	0 41	4 49	0 37	21 44	0 19	13 34	16 49	8 37	8 34	28 18	4 16	2 39
M11	10 24	9 1	3 13	7 57	0 51	5 16	1 9	6 12	1 16	14 55	1 16	21 54	0 41	4 50	0 37	21 44	0 19	13 33	16 50	8 37	8 33	28 18	4 18	2 39
T 12	10 45	2 47	2 9	8 53	0 42	5 9	1 0	5 54	1 16	14 53	1 16	21 53	0 41	4 51	0 37	21 44	0 19	13 33	16 50	8 38	8 32	28 19	4 19	2 39
W13	11 6	3s46	0 57	9 49	0 32	5 0	0 51	5 36	1 16	14 50	1 16	21 53	0 41	4 53	0 37	21 44	0 19	13 33	16 50	8 38	8 30	28 19	4 20	2 39
T 14	11 27	10 19	0s20	10 44	0 21	4 51	0 43	5 18	1 16	14 48	1 16	21 52	0 41	4 54	0 37	21 44	0 19	13 32	16 50	8 38	8 29	28 19	4 22	2 39
F 15	11 47	16 28	1 38	11 40	0 11	4 41	0 35	5 0	1 16	14 46	1 16	21 52	0 41	4 55	0 37	21 44	0 19	13 32	16 50	8 38	8 28	28 20	4 23	2 39
S 16	12 7	21 47	2 51	12 35	0 0	4 31	0 27	4 42	1 16	14 44	1 16	21 51	0 41	4 57	0 37	21 44	0 19	13 31	16 50	8 37	8 27	28 20	4 25	2 39
S 17	12 27	25 47	3 53	13 29	0n10	4 20	0 19	4 23	1 16	14 42	1 16	21 51	0 41	4 58	0 37	21 43	0 19	13 31	16 50	8 37	8 26	28 20	4 26	2 39
M18	12 47	28 4	4 39	14 22	0 21	4 9	0 11	4 5	1 16	14 40	1 16	21 50	0 41	4 59	0 37	21 43	0 19	13 31	16 51	8 36	8 24	28 21	4 27	2 39
T 19	13 7	28 24	5 7	15 14	0 31	3 57	0 4	3 47	1 16	14 37	1 16	21 50	0 41	5 0	0 37	21 43	0 19	13 30	16 51	8 36	8 23	28 21	4 28	2 39
W20	13 26	26 48	5 16	16 5	0 42	3 44	0s 3	3 29	1 16	14 35	1 16	21 49	0 41	5 2	0 37	21 43	0 19	13 30	16 51	8 36	8 22	28 21	4 30	2 39
T 21	13 46	23 32	5 5	16 54	0 52	3 31	0 10	3 10	1 16	14 33	1 16	21 49	0 41	5 3	0 37	21 43	0 19	13 30	16 51	8 35	8 21	28 22	4 31	2 39
F 22	14 5	18 58	4 37	17 41	1 2	3 18	0 17	2 52	1 16	14 31	1 16	21 48	0 41	5 4	0 37	21 43	0 19	13 29	16 51	8 36	8 20	28 22	4 32	2 39
S 23	14 24	13 32	3 53	18 26	1 11	3 3	0 24	2 34	1 16	14 29	1 16	21 47	0 41	5 5	0 37	21 43	0 19	13 29	16 52	8 36	8 19	28 22	4 34	2 39
S 24	14 42	7 34	2 58	19 9	1 21	2 49	0 30	2 15	1 16	14 26	1 16	21 47	0 41	5 7	0 37	21 43	0 19	13 29	16 52	8 36	8 17	28 23	4 35	2 39
M25	15 0	1 22	1 54	19 50	1 29	2 34	0 36	1 57	1 16	14 24	1 16	21 46	0 41	5 8	0 37	21 43	0 19	13 28	16 52	8 37	8 16	28 23	4 36	2 39
T 26	15 19	4n46	0 45	20 29	1 37	2 19	0 42	1 39	1 16	14 22	1 16	21 45	0 41	5 9	0 37	21 42	0 19	13 28	16 52	8 37	8 15	28 23	4 37	2 39
W27	15 36	10 37	0n24	21 5	1 45	2 3	0 48	1 20	1 16	14 19	1 16	21 45	0 41	5 10	0 37	21 42	0 18	13 28	16 52	8 37	8 14	28 23	4 39	2 39
T 28	15 54	15 58	1 31	21 38	1 51	1 47	0 54	1 2	1 16	14 17	1 16	21 44	0 41	5 12	0 37	21 42	0 18	13 28	16 53	8 37	8 13	28 24	4 40	2 39
F 29	16 11	20 36	2 33	22 9	1 58	1 30	0 59	0 44	1 16	14 15	1 16	21 43	0 41	5 13	0 37	21 42	0 18	13 27	16 53	8 36	8 11	28 24	4 41	2 39
S 30	16n28	24n19	3n28	22n38	2n 3	1s13	1s 5	0s26	1s15	14s13	1n15	21n43	0n41	5n14	0s37	21n42	0s18	13s27	16s53	8n35	8n10	28n24	4n42	2n39

Julian Day Number = 2120366.5, Delta T = 18m04s
Ecliptic obliquity = 23°33'34, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°05'59, Lahiri = 11°12'59 Julian Calendar 1 Apr. 1093 == Greg. Calendar 7 Apr. 1093

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1093
geocentric

MAY 1093 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 59 24	16♉ 9'16	15♊18	3♊35	0♈21	2♈34	11°R32	26♋11	14♈41	20♋25	5♈ 3	21°R52	20♈46	1♋20	5♈44	S 1
M 2	15 3 21	17° 6'56	27°13	5°19	1°17	3°20	11♏24	26°15	14°44	20°26	5° 5	21♈48	20°43	1°27	5°47	M 2
T 3	15 7 17	18° 4'34	9♋ 5	7° 1	2°13	4° 5	11°17	26°20	14°47	20°27	5° 6	21°44	20°40	1°33	5°50	T 3
W 4	15 11 14	19° 2'11	20°57	8°39	3° 9	4°50	11° 9	26°24	14°50	20°29	5° 7	21°40	20°37	1°40	5°53	W 4
T 5	15 15 11	19°59'46	2♌53	10°14	4° 6	5°35	11° 2	26°29	14°53	20°30	5° 8	21°38	20°34	1°47	5°56	T 5
F 6	15 19 7	20°57'20	14°57	11°47	5° 4	6°21	10°54	26°33	14°56	20°31	5° 9	21°36	20°30	1°54	5°59	F 6
S 7	15 23 4	21°54'53	27°13	13°15	6° 2	7° 6	10°47	26°38	14°59	20°33	5°10	21°D36	20°27	2° 0	6° 1	S 7
S 8	15 27 0	22°52'24	9♍46	14°41	7° 0	7°51	10°40	26°42	15° 2	20°34	5°11	21°37	20°24	2° 7	6° 4	S 8
M 9	15 30 57	23°49'53	22°40	16° 3	7°59	8°36	10°32	26°47	15° 5	20°35	5°12	21°39	20°21	2°14	6° 7	M 9
T 10	15 34 53	24°47'21	5♎59	17°22	8°58	9°21	10°25	26°52	15° 8	20°37	5°13	21°40	20°18	2°20	6° 9	T 10
W11	15 38 50	25°44'48	19°45	18°38	9°57	10° 6	10°18	26°57	15°11	20°38	5°14	21°R41	20°14	2°27	6°12	W11
T 12	15 42 46	26°42'14	3♏57	19°50	10°57	10°50	10°11	27° 2	15°13	20°40	5°15	21°40	20°11	2°34	6°15	T 12
F 13	15 46 43	27°39'38	18°32	20°59	11°57	11°35	10° 4	27° 7	15°16	20°41	5°16	21°38	20° 8	2°41	6°17	F 13
S 14	15 50 40	28°37'02	3♐25	22° 4	12°57	12°20	9°57	27°12	15°19	20°42	5°17	21°35	20° 5	2°47	6°20	S 14
S 15	15 54 36	29°34'25	18°29	23° 6	13°58	13° 5	9°50	27°17	15°21	20°44	5°18	21°30	20° 2	2°54	6°22	S 15
M16	15 58 33	0♊31'47	3♑33	24° 4	14°58	13°49	9°43	27°22	15°24	20°46	5°19	21°24	19°59	3° 1	6°25	M16
T 17	16 2 29	1°29'08	18°28	24°58	16° 0	14°34	9°37	27°28	15°27	20°47	5°20	21°19	19°55	3° 7	6°27	T 17
W18	16 6 26	2°26'29	3♒ 7	25°49	17° 1	15°18	9°30	27°33	15°29	20°49	5°21	21°14	19°52	3°14	6°30	W18
T 19	16 10 22	3°23'49	17°24	26°35	18° 3	16° 3	9°24	27°39	15°32	20°50	5°21	21°12	19°49	3°21	6°32	T 19
F 20	16 14 19	4°21'08	1♓18	27°18	19° 5	16°47	9°17	27°44	15°35	20°52	5°22	21°D10	19°46	3°28	6°34	F 20
S 21	16 18 16	5°18'27	14°49	27°57	20° 8	17°32	9°11	27°50	15°37	20°54	5°23	21°11	19°43	3°34	6°36	S 21
S 22	16 22 12	6°15'45	27°58	28°31	21°10	18°16	9° 5	27°56	15°39	20°55	5°24	21°12	19°40	3°41	6°39	S 22
M23	16 26 9	7°13'03	10♈49	29° 1	22°13	19° 0	8°59	28° 1	15°42	20°57	5°25	21°13	19°36	3°48	6°41	M23
T 24	16 30 5	8°10'20	23°24	29°27	23°16	19°44	8°53	28° 7	15°44	20°59	5°25	21°R14	19°33	3°54	6°43	T 24
W25	16 34 2	9° 7'37	5♉46	29°48	24°20	20°28	8°47	28°13	15°47	21° 0	5°26	21°12	19°30	4° 1	6°45	W25
T 26	16 37 58	10° 4'54	17°59	0♋ 5	25°23	21°12	8°42	28°19	15°49	21° 2	5°27	21° 9	19°27	4° 8	6°47	T 26
F 27	16 41 55	11° 2'10	0♊ 4	0°17	26°27	21°56	8°36	28°25	15°51	21° 4	5°28	21° 4	19°24	4°15	6°49	F 27
S 28	16 45 51	11°59'26	12° 3	0°25	27°31	22°40	8°31	28°31	15°54	21° 6	5°28	20°56	19°20	4°21	6°51	S 28
S 29	16 49 48	12°56'41	23°58	0°R28	28°35	23°24	8°25	28°37	15°56	21° 8	5°29	20°47	19°17	4°28	6°53	S 29
M30	16 53 45	13°53'56	5♋51	0°27	29°39	24° 8	8°20	28°43	15°58	21° 9	5°30	20°37	19°14	4°35	6°55	M30
T 31	16 57 41	14♊51'10	17♋42	0♋21	0♉44	24♈52	8♏15	28♋49	16♈ 0	21♋11	5♈30	20♈27	19♈11	4♋42	6♈57	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n45	26n55	4n12	23n 4	2n 8	0s56	1s10	0s 7	1s15	14s10	1n15	21n42	0n41	5n15	0s37	21n42	0s18	13s27	16s53	8n34	8n 9	28n24	4n44	2n39
M 2	17 2	28 17	4 45	23 27	2 11	0 38	1 15	0n11	1 15	14 8	1 15	21 41	0 42	5 16	0 37	21 42	0 18	13 27	16 53	8 32	8 8	28 25	4 45	2 40
T 3	17 18	28 19	5 5	23 48	2 15	0 20	1 20	0 29	1 15	14 6	1 15	21 40	0 42	5 17	0 37	21 41	0 18	13 26	16 54	8 31	8 7	28 25	4 46	2 40
W 4	17 34	27 4	5 13	24 7	2 17	0 1	1 24	0 47	1 15	14 4	1 15	21 39	0 42	5 19	0 37	21 41	0 18	13 26	16 54	8 29	8 5	28 25	4 47	2 40
T 5	17 50	24 35	5 7	24 23	2 18	0n17	1 29	1 5	1 15	14 2	1 15	21 39	0 42	5 20	0 37	21 41	0 18	13 26	16 54	8 28	8 4	28 25	4 48	2 40
F 6	18 5	21 0	4 47	24 37	2 19	0 36	1 33	1 24	1 14	13 59	1 15	21 38	0 42	5 21	0 37	21 41	0 18	13 26	16 54	8 28	8 3	28 25	4 50	2 40
S 7	18 20	16 29	4 15	24 48	2 19	0 55	1 37	1 42	1 14	13 57	1 15	21 37	0 42	5 22	0 37	21 41	0 18	13 26	16 55	8 28	8 2	28 26	4 51	2 40
S 8	18 35	11 10	3 29	24 58	2 18	1 15	1 41	2 0	1 14	13 55	1 14	21 36	0 42	5 23	0 37	21 41	0 18	13 25	16 55	8 28	8 1	28 26	4 52	2 40
M 9	18 49	5 15	2 32	25 5	2 16	1 35	1 45	2 18	1 14	13 53	1 14	21 35	0 42	5 24	0 37	21 40	0 18	13 25	16 55	8 29	7 59	28 26	4 53	2 40
T 10	19 4	1s 6	1 25	25 10	2 14	1 55	1 48	2 36	1 14	13 51	1 14	21 34	0 42	5 25	0 37	21 40	0 18	13 25	16 55	8 29	7 58	28 26	4 54	2 40
W11	19 17	7 36	0 11	25 14	2 10	2 15	1 52	2 53	1 13	13 49	1 14	21 33	0 42	5 26	0 37	21 40	0 18	13 25	16 56	8 30	7 57	28 26	4 55	2 40
T 12	19 31	13 56	1s 6	25 16	2 6	2 35	1 55	3 11	1 13	13 47	1 14	21 32	0 42	5 27	0 37	21 40	0 18	13 25	16 56	8 29	7 56	28 26	4 56	2 40
F 13	19 44	19 41	2 21	25 16	2 1	2 56	1 58	3 29	1 13	13 45	1 14	21 31	0 42	5 28	0 37	21 40	0 18	13 25	16 56	8 29	7 55	28 26	4 57	2 40
S 14	19 57	24 20	3 27	25 14	1 55	3 17	2 1	3 47	1 13	13 43	1 14	21 30	0 42	5 29	0 37	21 39	0 18	13 25	16 57	8 27	7 53	28 27	4 58	2 40
S 15	20 10	27 23	4 20	25 11	1 48	3 38	2 4	4 5	1 12	13 41	1 13	21 29	0 42	5 31	0 37	21 39	0 18	13 25	16 57	8 25	7 52	28 27	4 59	2 40
M16	20 22	28 25	4 55	25 6	1 41	3 59	2 7	4 22	1 12	13 39	1 13	21 28	0 42	5 32	0 37	21 39	0 18	13 24	16 57	8 23	7 51	28 27	5 0	2 40
T 17	20 34	27 23	5 9	25 0	1 32	4 20	2 9	4 40	1 12	13 37	1 13	21 27	0 42	5 33	0 37	21 39	0 18	13 24	16 57	8 21	7 50	28 27	5 1	2 40
W18	20 45	24 28	5 3	24 53	1 23	4 42	2 12	4 57	1 12	13 35	1 13	21 26	0 42	5 34	0 37	21 38	0 18	13 24	16 58	8 20	7 48	28 27	5 2	2 40
T 19	20 56	20 6	4 38	24 44	1 14	5 3	2 14	5 15	1 11	13 33	1 13	21 25	0 42	5 35	0 37	21 38	0 18	13 24	16 58	8 18	7 47	28 27	5 3	2 40
F 20	21 7	14 45	3 57	24 35	1 3	5 25	2 16	5 32	1 11	13 31	1 12	21 24	0 42	5 35	0 37	21 38	0 18	13 24	16 58	8 18	7 46	28 27	5 4	2 40
S 21	21 18	8 50	3 4	24 24	0 52	5 47	2 18	5 49	1 11	13 29	1 12	21 23	0 42	5 36	0 37	21 38	0 18	13 24	16 59	8 18	7 45	28 27	5 5	2 40
S 22	21 28	2 41	2 2	24 12	0 39	6 9	2 20	6 7	1 10	13 27	1 12	21 22	0 42	5 37	0 37	21 38	0 18	13 24	16 59	8 19	7 44	28 27	5 6	2 40
M23	21 37	3n26	0 56	24 0	0 27	6 30	2 21	6 24	1 10	13 26	1 12	21 21	0 42	5 38	0 37	21 37	0 18	13 24	16 59	8 19	7 42	28 27	5 7	2 41
T 24	21 47	9 19	0n12	23 47	0 13	6 52	2 23	6 41	1 10	13 24	1 12	21 20	0 42	5 39	0 37	21 37	0 18	13 24	17 0	8 19	7 41	28 27	5 8	2 41
W25	21 56	14 44	1 18	23 33	0s 1	7 14	2 24	6 58	1 9	13 22	1 11	21 19	0 42	5 40	0 37	21 37	0 18	13 24	17 0	8 19	7 40	28 27	5 9	2 41
T 26	22 4	19 30	2 19	23 18	0 16	7 37	2 25	7 15	1 9	13 21	1 11	21 17	0 42	5 41	0 37	21 37	0 18	13 24	17 0	8 18	7 39	28 27	5 10	2 41
F 27	22 13	23 25	3 13	23 3	0 31	7 59	2 27	7 32	1 9	13 19	1 11	21 16	0 42	5 42	0 37	21 36	0 18	13 24	17 1	8 16	7 38	28 27	5 11	2 41
S 28	22 20	26 17	3 58	22 47	0 46	8 21	2 28	7 48	1 8	13 18	1 11	21 15	0 42	5 43	0 37	21 36	0 18	13 24	17 1	8 13	7 36	28 27	5 12	2 41
S 29	22 28	27 58	4 33	22 31	1 2	8 43	2 29	8 5	1 8	13 16	1 11	21 14	0 42	5 44	0 37	21 36	0 18	13 24	17 1	8 9	7 35	28 27	5 12	2 41
M30	22 35	28 20	4 55	22 15	1 19	9 5	2 29	8 22	1 8	13 15	1 10	21 13	0 42	5 44	0 37	21 35	0 18	13 24	17 1	8 5	7 34	28 27	5 13	2 41
T 31	22n42	27n25	5n 5	21n58	1s35	9n27	2s30	8n38	1s 7	13s13	1n10	21n11	0n42	5n45	0s37	21n35	0s18	13s24	17s 2	8n 2	7n33	28n27	5n14	2n41

Julian Day Number = 2120396.5, Delta T = 18m04s
Ecliptic obliquity = 23°33'33, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°06'03, Lahiri = 11°13'03 Julian Calendar 1 May 1093 == Greg. Calendar 7 May 1093

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1093
geocentric

JUNE 1093 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 1 38	15♊48'23	29♋35	0°R11	1♉49	25♈35	8°R11	28♋56	16♈ 2	21♋13	5♈31	20°R18	19♈ 8	4♋48	6♈58	W 1
T 2	17 5 34	16°45'36	11♌31	29♊57	2°54	26°19	8♏ 6	29° 2	16° 4	21°15	5°32	20♈11	19° 5	4°55	7° 0	T 2
F 3	17 9 31	17°42'48	23°34	29°38	3°59	27° 2	8° 1	29° 8	16° 6	21°17	5°32	20° 6	19° 1	5° 2	7° 2	F 3
S 4	17 13 27	18°40'00	5♍49	29°16	5° 4	27°46	7°57	29°15	16° 8	21°19	5°33	20° 3	18°58	5° 8	7° 3	S 4
S 5	17 17 24	19°37'11	18°19	28°51	6°10	28°29	7°53	29°21	16°10	21°21	5°33	20°D 2	18°55	5°15	7° 5	S 5
M 6	17 21 20	20°34'22	1♎ 8	28°22	7°15	29°13	7°49	29°28	16°12	21°23	5°34	20° 2	18°52	5°22	7° 7	M 6
T 7	17 25 17	21°31'32	14°22	27°51	8°21	29°56	7°45	29°34	16°14	21°25	5°34	20°R 3	18°49	5°29	7° 8	T 7
W 8	17 29 14	22°28'41	28° 2	27°18	9°27	0♉39	7°41	29°41	16°16	21°27	5°35	20° 3	18°46	5°35	7° 9	W 8
T 9	17 33 10	23°25'50	12♏12	26°43	10°33	1°22	7°38	29°48	16°18	21°29	5°35	20° 1	18°42	5°42	7°11	T 9
F 10	17 37 7	24°22'59	26°49	26° 7	11°39	2° 5	7°35	29°54	16°19	21°31	5°36	19°57	18°39	5°49	7°12	F 10
S 11	17 41 3	25°20'08	11♐49	25°31	12°46	2°48	7°31	0♌ 1	16°21	21°33	5°36	19°50	18°36	5°55	7°13	S 11
S 12	17 45 0	26°17'16	27° 3	24°55	13°52	3°31	7°28	0° 8	16°23	21°35	5°36	19°42	18°33	6° 2	7°15	S 12
M13	17 48 56	27°14'25	12♑22	24°20	14°59	4°14	7°26	0°15	16°24	21°37	5°37	19°32	18°30	6° 9	7°16	M13
T 14	17 52 53	28°11'33	27°33	23°46	16° 6	4°56	7°23	0°22	16°26	21°39	5°37	19°23	18°26	6°16	7°17	T 14
W15	17 56 50	29° 8'42	12♒28	23°15	17°13	5°39	7°20	0°29	16°28	21°41	5°37	19°15	18°23	6°22	7°18	W15
T 16	18 0 46	0♋ 5'51	26°58	22°46	18°20	6°22	7°18	0°36	16°29	21°43	5°38	19° 9	18°20	6°29	7°19	T 16
F 17	18 4 43	1° 3'00	11♓ 0	22°20	19°27	7° 4	7°16	0°43	16°31	21°45	5°38	19° 5	18°17	6°36	7°20	F 17
S 18	18 8 39	2° 0'10	24°34	21°58	20°34	7°47	7°14	0°50	16°32	21°47	5°38	19° 4	18°14	6°43	7°21	S 18
S 19	18 12 36	2°57'20	7♈41	21°39	21°42	8°29	7°12	0°57	16°33	21°50	5°39	19°D 4	18°11	6°49	7°22	S 19
M20	18 16 32	3°54'30	20°27	21°26	22°50	9°11	7°11	1° 4	16°35	21°52	5°39	19°R 4	18° 7	6°56	7°23	M20
T 21	18 20 29	4°51'42	2♉54	21°16	23°57	9°53	7° 9	1°11	16°36	21°54	5°39	19° 3	18° 4	7° 3	7°24	T 21
W22	18 24 25	5°48'53	15° 7	21°D12	25° 5	10°36	7° 8	1°18	16°37	21°56	5°39	19° 1	18° 1	7° 9	7°24	W22
T 23	18 28 22	6°46'05	27°11	21°13	26°13	11°18	7° 7	1°25	16°38	21°58	5°39	18°56	17°58	7°16	7°25	T 23
F 24	18 32 19	7°43'18	9♊ 8	21°19	27°21	12° 0	7° 6	1°32	16°39	22° 0	5°39	18°48	17°55	7°23	7°26	F 24
S 25	18 36 15	8°40'31	21° 1	21°31	28°30	12°41	7° 5	1°40	16°40	22° 2	5°40	18°37	17°52	7°30	7°26	S 25
S 26	18 40 12	9°37'45	2♋53	21°47	29°38	13°23	7° 5	1°47	16°41	22° 5	5°40	18°25	17°48	7°36	7°27	S 26
M27	18 44 8	10°34'59	14°45	22°10	0♊46	14° 5	7° 5	1°54	16°42	22° 7	5°40	18°11	17°45	7°43	7°27	M27
T 28	18 48 5	11°32'13	26°38	22°38	1°55	14°47	7°D 4	2° 2	16°43	22° 9	5°40	17°57	17°42	7°50	7°27	T 28
W29	18 52 1	12°29'28	8♌34	23°11	3° 4	15°28	7° 4	2° 9	16°44	22°11	5°40	17°45	17°39	7°56	7°28	W29
T 30	18 55 58	13♋26'43	20♌35	23♊50	4♊12	16♉ 9	7♏ 5	2♌17	16♈45	22♋13	5°R40	17♈34	17♈36	8♋ 3	7♈28	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n48	25n14	5n 1	21n42	1s52	9n49	2s30	8n54	1s 7	13s12	1n10	21n10	0n42	5n46	0s37	21n35	0s18	13s24	17s 2	7n58	7n32	28n27	5n15	2n41
T 2	22 54	21 58	4 44	21 25	2 8	10 11	2 31	9 11	1 6	13 11	1 10	21 9	0 42	5 47	0 37	21 35	0 18	13 24	17 3	7 55	7 30	28 27	5 16	2 41
F 3	22 59	17 44	4 15	21 9	2 25	10 32	2 31	9 27	1 6	13 10	1 9	21 7	0 42	5 48	0 37	21 34	0 18	13 24	17 3	7 54	7 29	28 27	5 16	2 41
S 4	23 4	12 44	3 33	20 53	2 41	10 54	2 31	9 43	1 6	13 8	1 9	21 6	0 42	5 48	0 37	21 34	0 18	13 25	17 3	7 52	7 28	28 27	5 17	2 41
S 5	23 9	7 7	2 41	20 37	2 56	11 16	2 31	9 59	1 5	13 7	1 9	21 5	0 43	5 49	0 37	21 34	0 18	13 25	17 4	7 52	7 27	28 27	5 18	2 41
M 6	23 13	1 4	1 39	20 22	3 11	11 37	2 31	10 14	1 5	13 6	1 9	21 4	0 43	5 50	0 37	21 34	0 18	13 25	17 4	7 52	7 26	28 27	5 18	2 42
T 7	23 17	5s13	0 30	20 7	3 26	11 59	2 31	10 30	1 4	13 5	1 8	21 2	0 43	5 50	0 37	21 33	0 18	13 25	17 4	7 53	7 24	28 27	5 19	2 42
W 8	23 21	11 29	0s43	19 53	3 39	12 20	2 31	10 46	1 4	13 4	1 8	21 1	0 43	5 51	0 37	21 33	0 18	13 25	17 5	7 52	7 23	28 27	5 20	2 42
T 9	23 24	17 24	1 55	19 40	3 51	12 41	2 30	11 1	1 3	13 3	1 8	20 59	0 43	5 52	0 37	21 33	0 18	13 25	17 5	7 52	7 22	28 27	5 20	2 42
F 10	23 26	22 30	3 2	19 28	4 2	13 2	2 30	11 17	1 3	13 3	1 8	20 58	0 43	5 52	0 38	21 32	0 18	13 25	17 5	7 50	7 21	28 27	5 21	2 42
S 11	23 29	26 16	3 59	19 17	4 12	13 23	2 29	11 32	1 2	13 2	1 7	20 57	0 43	5 53	0 38	21 32	0 18	13 25	17 6	7 48	7 19	28 26	5 21	2 42
S 12	23 30	28 11	4 39	19 7	4 21	13 43	2 29	11 47	1 2	13 1	1 7	20 55	0 43	5 54	0 38	21 32	0 18	13 26	17 6	7 45	7 18	28 26	5 22	2 42
M13	23 32	27 57	5 0	18 59	4 28	14 3	2 28	12 2	1 1	13 0	1 7	20 54	0 43	5 54	0 38	21 31	0 18	13 26	17 6	7 41	7 17	28 26	5 23	2 42
T 14	23 33	25 38	4 59	18 52	4 33	14 24	2 27	12 17	1 1	13 0	1 7	20 52	0 43	5 55	0 38	21 31	0 18	13 26	17 7	7 37	7 16	28 26	5 23	2 42
W15	23 33	21 36	4 38	18 46	4 37	14 44	2 26	12 31	1 0	12 59	1 6	20 51	0 43	5 55	0 38	21 31	0 18	13 26	17 7	7 34	7 15	28 26	5 24	2 42
T 16	23 34	16 20	3 59	18 42	4 40	15 3	2 25	12 46	1 0	12 59	1 6	20 49	0 43	5 56	0 38	21 30	0 18	13 26	17 7	7 32	7 13	28 26	5 24	2 42
F 17	23 33	10 22	3 7	18 40	4 41	15 23	2 24	13 1	0 59	12 58	1 6	20 48	0 43	5 57	0 38	21 30	0 18	13 27	17 8	7 31	7 12	28 26	5 25	2 42
S 18	23 33	4 6	2 6	18 39	4 40	15 42	2 22	13 15	0 59	12 58	1 6	20 46	0 43	5 57	0 38	21 30	0 18	13 27	17 8	7 30	7 11	28 25	5 25	2 43
S 19	23 32	2n 9	1 0	18 40	4 38	16 1	2 21	13 29	0 58	12 57	1 5	20 45	0 43	5 58	0 38	21 29	0 18	13 27	17 8	7 30	7 10	28 25	5 25	2 43
M20	23 30	8 8	0n 7	18 43	4 34	16 19	2 19	13 43	0 58	12 57	1 5	20 43	0 43	5 58	0 38	21 29	0 18	13 27	17 9	7 30	7 9	28 25	5 26	2 43
T 21	23 28	13 40	1 13	18 47	4 30	16 38	2 18	13 57	0 57	12 57	1 5	20 42	0 43	5 58	0 38	21 29	0 18	13 28	17 9	7 30	7 7	28 25	5 26	2 43
W22	23 26	18 34	2 13	18 53	4 23	16 56	2 16	14 11	0 56	12 57	1 4	20 40	0 43	5 59	0 38	21 28	0 18	13 28	17 10	7 29	7 6	28 25	5 27	2 43
T 23	23 23	22 39	3 7	19 0	4 16	17 13	2 15	14 25	0 56	12 57	1 4	20 39	0 43	5 59	0 38	21 28	0 17	13 28	17 10	7 27	7 5	28 24	5 27	2 43
F 24	23 20	25 45	3 52	19 9	4 8	17 31	2 13	14 38	0 55	12 57	1 4	20 37	0 43	6 0	0 38	21 28	0 17	13 28	17 10	7 24	7 4	28 24	5 27	2 43
S 25	23 16	27 41	4 26	19 19	3 58	17 48	2 11	14 51	0 55	12 57	1 4	20 36	0 43	6 0	0 38	21 27	0 17	13 29	17 11	7 20	7 2	28 24	5 28	2 43
S 26	23 12	28 20	4 49	19 30	3 48	18 4	2 9	15 5	0 54	12 57	1 3	20 34	0 44	6 1	0 38	21 27	0 17	13 29	17 11	7 15	7 1	28 24	5 28	2 43
M27	23 8	27 41	4 59	19 43	3 37	18 20	2 7	15 18	0 53	12 57	1 3	20 33	0 44	6 1	0 38	21 27	0 17	13 29	17 11	7 10	7 0	28 23	5 28	2 43
T 28	23 3	25 46	4 56	19 56	3 25	18 36	2 5	15 31	0 53	12 57	1 3	20 31	0 44	6 1	0 38	21 26	0 17	13 30	17 12	7 5	6 59	28 23	5 28	2 43
W29	22 58	22 43	4 40	20 10	3 13	18 52	2 3	15 43	0 52	12 57	1 3	20 29	0 44	6 2	0 38	21 26	0 17	13 30	17 12	7 0	6 58	28 23	5 29	2 44
T 30	22n53	18n41	4n12	20n25	3s 0	19n 7	2s 1	15n56	0s52	12s58	1n 2	20n28	0n44	6n 2	0s38	21n26	0s17	13s30	17s12	6n56	6n56	28n23	5n29	2n44

Julian Day Number = 2120427.5, Delta T = 18m04s
Ecliptic obliquity = 23°33'33, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°06'07, Lahiri = 11°13'08 Julian Calendar 1 June 1093 == Greg. Calendar 7 June 1093

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1093
geocentric

JULY 1093 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 59 54	14♋23'59	2♍43	24♊34	5♊21	16♉51	7♏ 5	2♌24	16♈46	22♋16	5°R40	17°R26	17♈32	8♋10	7♈28	F 1
S 2	19 3 51	15°21'15	15° 0	25°24	6°30	17°32	7° 6	2°31	16°47	22°18	5♈40	17♈21	17°29	8°17	7°29	S 2
S 3	19 7 48	16°18'31	27°31	26°19	7°39	18°13	7° 6	2°39	16°47	22°20	5°40	17°19	17°26	8°23	7°29	S 3
M 4	19 11 44	17°15'48	10♎18	27°19	8°48	18°54	7° 7	2°46	16°48	22°22	5°40	17°18	17°23	8°30	7°29	M 4
T 5	19 15 41	18°13'05	23°27	28°25	9°58	19°35	7° 8	2°54	16°49	22°24	5°39	17°18	17°20	8°37	7°R29	T 5
W 6	19 19 37	19°10'23	7♏ 0	29°35	11° 7	20°16	7°10	3° 1	16°49	22°27	5°39	17°17	17°17	8°44	7°29	W 6
T 7	19 23 34	20° 7'41	21° 1	0♋51	12°16	20°57	7°11	3° 9	16°50	22°29	5°39	17°15	17°13	8°50	7°29	T 7
F 8	19 27 30	21° 4'59	5♐29	2°11	13°26	21°38	7°13	3°16	16°50	22°31	5°39	17°11	17°10	8°57	7°29	F 8
S 9	19 31 27	22° 2'18	20°20	3°36	14°35	22°18	7°15	3°24	16°51	22°33	5°39	17° 3	17° 7	9° 4	7°28	S 9
S 10	19 35 23	22°59'38	5♑30	5° 6	15°45	22°59	7°17	3°32	16°51	22°36	5°39	16°54	17° 4	9°10	7°28	S 10
M11	19 39 20	23°56'59	20°48	6°40	16°55	23°39	7°19	3°39	16°51	22°38	5°38	16°44	17° 1	9°17	7°28	M11
T 12	19 43 17	24°54'21	6♒ 3	8°18	18° 5	24°19	7°21	3°47	16°51	22°40	5°38	16°33	16°58	9°24	7°27	T 12
W13	19 47 13	25°51'43	21° 3	10° 0	19°15	25° 0	7°24	3°54	16°52	22°42	5°38	16°24	16°54	9°31	7°27	W13
T 14	19 51 10	26°49'06	5♓41	11°46	20°25	25°40	7°27	4° 2	16°52	22°45	5°38	16°17	16°51	9°37	7°27	T 14
F 15	19 55 6	27°46'31	19°51	13°34	21°35	26°20	7°30	4°10	16°52	22°47	5°37	16°12	16°48	9°44	7°26	F 15
S 16	19 59 3	28°43'57	3♈31	15°26	22°45	27° 0	7°33	4°17	16°52	22°49	5°37	16°10	16°45	9°51	7°26	S 16
S 17	20 2 59	29°41'24	16°43	17°21	23°56	27°40	7°36	4°25	16°R52	22°51	5°37	16°D10	16°42	9°57	7°25	S 17
M18	20 6 56	0♌38'52	29°30	19°18	25° 6	28°19	7°39	4°33	16°52	22°53	5°36	16°R10	16°38	10° 4	7°24	M18
T 19	20 10 52	1°36'22	11♉57	21°17	26°17	28°59	7°43	4°40	16°52	22°56	5°36	16°10	16°35	10°11	7°24	T 19
W20	20 14 49	2°33'53	24° 8	23°17	27°27	29°38	7°47	4°48	16°52	22°58	5°35	16° 8	16°32	10°18	7°23	W20
T 21	20 18 46	3°31'26	6♊ 8	25°18	28°38	0♊18	7°50	4°56	16°52	23° 0	5°35	16° 3	16°29	10°24	7°22	T 21
F 22	20 22 42	4°29'00	18° 2	27°21	29°49	0°57	7°55	5° 3	16°51	23° 2	5°35	15°56	16°26	10°31	7°21	F 22
S 23	20 26 39	5°26'36	29°54	29°23	1♋ 0	1°36	7°59	5°11	16°51	23° 4	5°34	15°47	16°23	10°38	7°20	S 23
S 24	20 30 35	6°24'13	11♋45	1♌27	2°11	2°15	8° 3	5°19	16°51	23° 7	5°34	15°36	16°19	10°45	7°19	S 24
M25	20 34 32	7°21'51	23°39	3°30	3°22	2°54	8° 8	5°26	16°50	23° 9	5°33	15°23	16°16	10°51	7°18	M25
T 26	20 38 28	8°19'31	5♌37	5°32	4°33	3°33	8°13	5°34	16°50	23°11	5°33	15°11	16°13	10°58	7°17	T 26
W27	20 42 25	9°17'12	17°40	7°34	5°44	4°12	8°17	5°42	16°49	23°13	5°32	14°59	16°10	11° 5	7°16	W27
T 28	20 46 21	10°14'54	29°50	9°36	6°55	4°51	8°22	5°49	16°49	23°15	5°31	14°50	16° 7	11°11	7°15	T 28
F 29	20 50 18	11°12'37	12♍ 8	11°37	8° 6	5°29	8°28	5°57	16°48	23°17	5°31	14°43	16° 4	11°18	7°13	F 29
S 30	20 54 15	12°10'22	24°36	13°36	9°18	6° 8	8°33	6° 5	16°48	23°20	5°30	14°39	16° 0	11°25	7°12	S 30
S 31	20 58 11	13♌ 8'08	7♎15	15♌35	10♋29	6♊46	8♏39	6♌12	16♈47	23♋22	5♈30	14♈37	15♈57	11♋32	7♈11	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n47	13n51	3n32	20n40	2s47	19n21	1s59	16n 8	0s51	12s58	1n 2	20n26	0n44	6n 2	0s38	21n25	0s17	13s31	17s13	6n53	6n55	28n22	5n29	2n44
S 2	22 40	8 25	2 42	20 56	2 33	19 36	1 56	16 21	0 50	12 59	1 2	20 24	0 44	6 2	0 38	21 25	0 17	13 31	17 13	6 51	6 54	28 22	5 29	2 44
S 3	22 33	2 34	1 42	21 11	2 19	19 49	1 54	16 33	0 50	12 59	1 2	20 23	0 44	6 3	0 38	21 25	0 17	13 31	17 14	6 50	6 53	28 22	5 29	2 44
M 4	22 26	3s32	0 37	21 27	2 5	20 3	1 51	16 45	0 49	13 0	1 1	20 21	0 44	6 3	0 38	21 24	0 17	13 32	17 14	6 50	6 51	28 21	5 29	2 44
T 5	22 19	9 39	0s32	21 42	1 51	20 15	1 49	16 57	0 48	13 0	1 1	20 19	0 44	6 3	0 38	21 24	0 17	13 32	17 14	6 50	6 50	28 21	5 30	2 44
W 6	22 11	15 32	1 42	21 57	1 36	20 28	1 46	17 8	0 48	13 1	1 1	20 18	0 44	6 3	0 38	21 24	0 17	13 32	17 15	6 49	6 49	28 21	5 30	2 44
T 7	22 3	20 48	2 48	22 11	1 22	20 40	1 44	17 20	0 47	13 2	1 0	20 16	0 44	6 3	0 38	21 23	0 17	13 33	17 15	6 49	6 48	28 20	5 30	2 44
F 8	21 54	25 1	3 45	22 25	1 8	20 51	1 41	17 31	0 46	13 3	1 0	20 14	0 44	6 4	0 38	21 23	0 17	13 33	17 15	6 47	6 47	28 20	5 30	2 44
S 9	21 45	27 40	4 29	22 37	0 54	21 2	1 39	17 42	0 45	13 3	1 0	20 13	0 44	6 4	0 38	21 23	0 17	13 34	17 16	6 44	6 45	28 20	5 30	2 44
S 10	21 35	28 21	4 54	22 48	0 40	21 12	1 36	17 53	0 45	13 4	1 0	20 11	0 44	6 4	0 38	21 22	0 17	13 34	17 16	6 40	6 44	28 19	5 30	2 45
M11	21 25	26 52	5 0	22 57	0 26	21 22	1 33	18 4	0 44	13 5	0 59	20 9	0 44	6 4	0 38	21 22	0 17	13 34	17 16	6 36	6 43	28 19	5 30	2 45
T 12	21 15	23 26	4 43	23 5	0 13	21 31	1 30	18 15	0 43	13 6	0 59	20 7	0 45	6 4	0 38	21 22	0 17	13 35	17 17	6 32	6 42	28 19	5 30	2 45
W13	21 5	18 27	4 8	23 11	0 0	21 40	1 28	18 25	0 43	13 7	0 59	20 6	0 45	6 4	0 38	21 21	0 17	13 35	17 17	6 29	6 40	28 18	5 29	2 45
T 14	20 54	12 31	3 16	23 14	0n12	21 48	1 25	18 36	0 42	13 8	0 59	20 4	0 45	6 4	0 38	21 21	0 17	13 36	17 17	6 26	6 39	28 18	5 29	2 45
F 15	20 43	6 6	2 14	23 15	0 24	21 56	1 22	18 46	0 41	13 10	0 58	20 2	0 45	6 4	0 38	21 20	0 17	13 36	17 18	6 24	6 38	28 18	5 29	2 45
S 16	20 31	0n23	1 6	23 14	0 35	22 3	1 19	18 56	0 40	13 11	0 58	20 0	0 45	6 4	0 38	21 20	0 17	13 36	17 18	6 23	6 37	28 17	5 29	2 45
S 17	20 19	6 39	0n 3	23 10	0 45	22 9	1 16	19 6	0 40	13 12	0 58	19 59	0 45	6 4	0 38	21 20	0 17	13 37	17 18	6 23	6 36	28 17	5 29	2 45
M18	20 7	12 27	1 10	23 4	0 55	22 15	1 13	19 15	0 39	13 14	0 58	19 57	0 45	6 4	0 39	21 19	0 17	13 37	17 19	6 23	6 34	28 16	5 29	2 45
T 19	19 54	17 35	2 12	22 55	1 3	22 20	1 10	19 25	0 38	13 15	0 57	19 55	0 45	6 4	0 39	21 19	0 17	13 38	17 19	6 23	6 33	28 16	5 28	2 45
W20	19 41	21 55	3 7	22 43	1 11	22 25	1 7	19 34	0 37	13 16	0 57	19 53	0 45	6 4	0 39	21 19	0 17	13 38	17 19	6 22	6 32	28 15	5 28	2 45
T 21	19 28	25 15	3 52	22 28	1 18	22 29	1 4	19 43	0 36	13 18	0 57	19 52	0 45	6 4	0 39	21 18	0 17	13 39	17 20	6 21	6 31	28 15	5 28	2 45
F 22	19 14	27 27	4 27	22 11	1 25	22 33	1 1	19 52	0 36	13 19	0 57	19 50	0 45	6 4	0 39	21 18	0 17	13 39	17 20	6 18	6 29	28 14	5 28	2 45
S 23	19 0	28 24	4 50	21 51	1 30	22 36	0 58	20 1	0 35	13 21	0 56	19 48	0 45	6 4	0 39	21 18	0 17	13 40	17 20	6 15	6 28	28 14	5 27	2 46
S 24	18 46	28 2	5 1	21 29	1 35	22 38	0 55	20 10	0 34	13 23	0 56	19 46	0 45	6 3	0 39	21 17	0 17	13 40	17 21	6 10	6 27	28 14	5 27	2 46
M25	18 31	26 22	4 58	21 4	1 39	22 39	0 52	20 18	0 33	13 24	0 56	19 44	0 46	6 3	0 39	21 17	0 17	13 41	17 21	6 5	6 26	28 13	5 27	2 46
T 26	18 16	23 32	4 43	20 37	1 42	22 40	0 48	20 27	0 32	13 26	0 56	19 43	0 46	6 3	0 39	21 17	0 17	13 41	17 21	6 0	6 25	28 13	5 26	2 46
W27	18 1	19 39	4 15	20 8	1 44	22 41	0 45	20 35	0 31	13 28	0 55	19 41	0 46	6 3	0 39	21 16	0 17	13 42	17 22	5 56	6 23	28 12	5 26	2 46
T 28	17 46	14 56	3 34	19 38	1 45	22 40	0 42	20 43	0 30	13 30	0 55	19 39	0 46	6 3	0 39	21 16	0 17	13 42	17 22	5 52	6 22	28 12	5 26	2 46
F 29	17 30	9 34	2 44	19 5	1 46	22 40	0 39	20 50	0 30	13 32	0 55	19 37	0 46	6 2	0 39	21 15	0 17	13 43	17 22	5 50	6 21	28 11	5 25	2 46
S 30	17 14	3 45	1 45	18 31	1 46	22 38	0 36	20 58	0 29	13 34	0 55	19 35	0 46	6 2	0 39	21 15	0 17	13 43	17 23	5 48	6 20	28 11	5 25	2 46
S 31	16n57	2s17	0n39	17n56	1n46	22n36	0s33	21n 5	0s28	13s36	0n54	19n33	0n46	6n 2	0s39	21n15	0s17	13s44	17s23	5n47	6n18	28n10	5n24	2n46

Julian Day Number = 2120457.5, Delta T = 18m03s
Ecliptic obliquity = 23°33'33, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°06'11, Lahiri = 11°13'12 Julian Calendar 1 July 1093 == Greg. Calendar 7 July 1093

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1093
geocentric

AUGUST 1093 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 2 8	14♌ 5'55	20♎ 8	17♌33	11♋41	7♊24	8♏44	6♌20	16°R46	23♋24	5°R29	14°D36	15♈54	11♋38	7°R 9	M 1
T 2	21 6 4	15° 3'43	3♏19	19°29	12°52	8° 2	8°50	6°28	16♈46	23°26	5♈28	14♈37	15°51	11°45	7♈ 8	T 2
W 3	21 10 1	16° 1'33	16°49	21°24	14° 4	8°40	8°56	6°35	16°45	23°28	5°28	14°R38	15°48	11°52	7° 7	W 3
T 4	21 13 57	16°59'23	0♐42	23°18	15°16	9°18	9° 2	6°43	16°44	23°30	5°27	14°37	15°44	11°59	7° 5	T 4
F 5	21 17 54	17°57'16	14°57	25°10	16°28	9°55	9° 8	6°51	16°43	23°32	5°26	14°34	15°41	12° 5	7° 3	F 5
S 6	21 21 50	18°55'09	29°32	27° 1	17°40	10°33	9°15	6°58	16°42	23°34	5°25	14°29	15°38	12°12	7° 2	S 6
S 7	21 25 47	19°53'04	14♑24	28°51	18°52	11°10	9°21	7° 6	16°41	23°36	5°25	14°22	15°35	12°19	7° 0	S 7
M 8	21 29 44	20°51'00	29°26	0♒40	20° 4	11°47	9°28	7°13	16°40	23°38	5°24	14°14	15°32	12°25	6°59	M 8
T 9	21 33 40	21°48'58	14♒27	2°27	21°16	12°25	9°35	7°21	16°39	23°40	5°23	14° 6	15°29	12°32	6°57	T 9
W10	21 37 37	22°46'57	29°19	4°13	22°28	13° 2	9°42	7°28	16°38	23°42	5°22	13°59	15°25	12°39	6°55	W10
T 11	21 41 33	23°44'58	13♓53	5°58	23°40	13°38	9°49	7°36	16°37	23°44	5°22	13°54	15°22	12°46	6°53	T 11
F 12	21 45 30	24°43'00	28° 3	7°41	24°52	14°15	9°56	7°43	16°35	23°46	5°21	13°51	15°19	12°52	6°51	F 12
S 13	21 49 26	25°41'05	11♈47	9°23	26° 5	14°52	10° 4	7°51	16°34	23°48	5°20	13°D50	15°16	12°59	6°49	S 13
S 14	21 53 23	26°39'11	25° 3	11° 4	27°17	15°28	10°11	7°58	16°33	23°50	5°19	13°50	15°13	13° 6	6°47	S 14
M15	21 57 19	27°37'19	7♉54	12°44	28°30	16° 4	10°19	8° 5	16°32	23°52	5°18	13°51	15°10	13°12	6°45	M15
T 16	22 1 16	28°35'30	20°24	14°22	29°42	16°41	10°26	8°13	16°30	23°54	5°17	13°53	15° 6	13°19	6°43	T 16
W17	22 5 13	29°33'42	2♊38	16° 0	0♌55	17°17	10°34	8°20	16°29	23°56	5°16	13°R53	15° 3	13°26	6°41	W17
T 18	22 9 9	0♍31'57	14°39	17°36	2° 8	17°53	10°42	8°27	16°27	23°58	5°15	13°52	15° 0	13°33	6°39	T 18
F 19	22 13 6	1°30'14	26°34	19°11	3°21	18°28	10°50	8°35	16°26	24° 0	5°15	13°49	14°57	13°39	6°37	F 19
S 20	22 17 2	2°28'33	8♋25	20°44	4°33	19° 4	10°59	8°42	16°24	24° 2	5°14	13°44	14°54	13°46	6°35	S 20
S 21	22 20 59	3°26'54	20°18	22°17	5°46	19°39	11° 7	8°49	16°23	24° 3	5°13	13°38	14°50	13°53	6°33	S 21
M22	22 24 55	4°25'17	2♌15	23°49	6°59	20°15	11°16	8°57	16°21	24° 5	5°12	13°31	14°47	14° 0	6°30	M22
T 23	22 28 52	5°23'41	14°20	25°19	8°12	20°50	11°24	9° 4	16°19	24° 7	5°11	13°23	14°44	14° 6	6°28	T 23
W24	22 32 48	6°22'08	26°32	26°48	9°26	21°25	11°33	9°11	16°18	24° 9	5°10	13°17	14°41	14°13	6°26	W24
T 25	22 36 45	7°20'37	8♍55	28°16	10°39	21°59	11°42	9°18	16°16	24°10	5° 9	13°12	14°38	14°20	6°24	T 25
F 26	22 40 42	8°19'08	21°29	29°43	11°52	22°34	11°51	9°25	16°14	24°12	5° 8	13° 8	14°35	14°26	6°21	F 26
S 27	22 44 38	9°17'40	4♎13	1♎ 8	13° 5	23° 8	12° 0	9°32	16°12	24°14	5° 7	13° 6	14°31	14°33	6°19	S 27
S 28	22 48 35	10°16'15	17°10	2°33	14°19	23°43	12° 9	9°39	16°11	24°16	5° 6	13°D 6	14°28	14°40	6°16	S 28
M29	22 52 31	11°14'51	0♏19	3°56	15°32	24°17	12°19	9°46	16° 9	24°17	5° 5	13° 7	14°25	14°47	6°14	M29
T 30	22 56 28	12°13'29	13°42	5°18	16°45	24°51	12°28	9°53	16° 7	24°19	5° 4	13° 8	14°22	14°53	6°11	T 30
W31	23 0 24	13♍12'09	27♏19	6♎38	17♌59	25♊24	12♏38	10♌ 0	16♈ 5	24♋20	5♈ 3	13♈10	14♈19	15♋ 0	6♈ 9	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	16n41	8s22	0s30	17n19	1n45	22n33	0s30	21n13	0s27	13s38	0n54	19n32	0n46	6n 1	0s39	21n14	0s17	13s44	17s23	5n47	6n17	28n 9	5n24	2n46
T 2	16 24	14 13	1 38	16 41	1 43	22 29	0 27	21 20	0 26	13 40	0 54	19 30	0 46	6 1	0 39	21 14	0 17	13 45	17 23	5 47	6 16	28 9	5 23	2 46
W 3	16 7	19 33	2 43	16 2	1 41	22 25	0 24	21 27	0 25	13 42	0 54	19 28	0 46	6 1	0 39	21 14	0 17	13 45	17 24	5 48	6 15	28 8	5 23	2 46
T 4	15 49	24 0	3 41	15 22	1 38	22 21	0 20	21 33	0 24	13 44	0 53	19 26	0 46	6 0	0 39	21 13	0 17	13 46	17 24	5 47	6 14	28 8	5 22	2 46
F 5	15 32	27 6	4 26	14 41	1 35	22 15	0 17	21 40	0 23	13 46	0 53	19 24	0 47	6 0	0 39	21 13	0 17	13 46	17 24	5 46	6 12	28 7	5 22	2 46
S 6	15 14	28 29	4 55	13 59	1 31	22 9	0 14	21 46	0 22	13 49	0 53	19 22	0 47	6 0	0 39	21 13	0 17	13 47	17 25	5 44	6 11	28 7	5 21	2 46
S 7	14 55	27 50	5 5	13 17	1 27	22 2	0 11	21 53	0 21	13 51	0 53	19 21	0 47	5 59	0 39	21 12	0 17	13 47	17 25	5 42	6 10	28 6	5 20	2 46
M 8	14 37	25 11	4 55	12 35	1 22	21 55	0 8	21 59	0 20	13 53	0 52	19 19	0 47	5 59	0 39	21 12	0 17	13 48	17 25	5 39	6 9	28 5	5 20	2 47
T 9	14 18	20 47	4 24	11 52	1 18	21 47	0 5	22 4	0 19	13 56	0 52	19 17	0 47	5 58	0 39	21 12	0 17	13 48	17 25	5 35	6 7	28 5	5 19	2 47
W10	13 59	15 8	3 36	11 8	1 12	21 39	0 2	22 10	0 18	13 58	0 52	19 15	0 47	5 58	0 39	21 11	0 17	13 49	17 26	5 33	6 6	28 4	5 18	2 47
T 11	13 40	8 44	2 34	10 24	1 7	21 29	0n 1	22 16	0 18	14 1	0 52	19 13	0 47	5 58	0 39	21 11	0 17	13 50	17 26	5 31	6 5	28 4	5 18	2 47
F 12	13 21	2 4	1 24	9 40	1 1	21 19	0 4	22 21	0 17	14 3	0 52	19 11	0 47	5 57	0 39	21 11	0 17	13 50	17 26	5 29	6 4	28 3	5 17	2 47
S 13	13 1	4n31	0 11	8 56	0 55	21 9	0 7	22 26	0 16	14 6	0 51	19 10	0 47	5 57	0 39	21 10	0 17	13 51	17 26	5 29	6 2	28 2	5 16	2 47
S 14	12 42	10 41	1n 0	8 12	0 49	20 58	0 10	22 31	0 14	14 8	0 51	19 8	0 47	5 56	0 39	21 10	0 17	13 51	17 27	5 29	6 1	28 2	5 16	2 47
M15	12 22	16 12	2 6	7 28	0 42	20 46	0 13	22 36	0 13	14 11	0 51	19 6	0 48	5 56	0 39	21 10	0 17	13 52	17 27	5 30	6 0	28 1	5 15	2 47
T 16	12 1	20 54	3 4	6 44	0 36	20 34	0 15	22 41	0 12	14 14	0 51	19 4	0 48	5 55	0 39	21 9	0 17	13 52	17 27	5 30	5 59	28 0	5 14	2 47
W17	11 41	24 36	3 53	5 59	0 29	20 21	0 18	22 45	0 11	14 16	0 50	19 2	0 48	5 54	0 39	21 9	0 17	13 53	17 27	5 30	5 58	28 0	5 13	2 47
T 18	11 20	27 9	4 30	5 15	0 21	20 8	0 21	22 50	0 10	14 19	0 50	19 1	0 48	5 54	0 39	21 9	0 17	13 53	17 28	5 30	5 56	27 59	5 12	2 47
F 19	11 0	28 26	4 55	4 31	0 14	19 53	0 24	22 54	0 9	14 22	0 50	18 59	0 48	5 53	0 39	21 8	0 17	13 54	17 28	5 29	5 55	27 58	5 12	2 47
S 20	10 39	28 24	5 8	3 48	0 7	19 39	0 26	22 58	0 8	14 24	0 50	18 57	0 48	5 53	0 39	21 8	0 17	13 55	17 28	5 27	5 54	27 58	5 11	2 47
S 21	10 18	27 4	5 7	3 4	0s 1	19 24	0 29	23 2	0 7	14 27	0 50	18 55	0 48	5 52	0 39	21 8	0 17	13 55	17 28	5 24	5 53	27 57	5 10	2 47
M22	9 56	24 30	4 53	2 21	0 8	19 8	0 32	23 6	0 6	14 30	0 49	18 53	0 48	5 51	0 39	21 7	0 17	13 56	17 28	5 21	5 51	27 56	5 9	2 47
T 23	9 35	20 51	4 26	1 38	0 16	18 51	0 34	23 9	0 5	14 33	0 49	18 52	0 48	5 51	0 39	21 7	0 17	13 56	17 29	5 19	5 50	27 55	5 8	2 47
W24	9 13	16 16	3 46	0 55	0 24	18 35	0 37	23 13	0 4	14 36	0 49	18 50	0 49	5 50	0 39	21 7	0 17	13 57	17 29	5 16	5 49	27 55	5 7	2 47
T 25	8 51	10 58	2 55	0 13	0 32	18 17	0 39	23 16	0 3	14 39	0 49	18 48	0 49	5 49	0 39	21 6	0 17	13 57	17 29	5 14	5 48	27 54	5 6	2 47
F 26	8 30	5 9	1 55	0s29	0 40	17 59	0 42	23 19	0 2	14 42	0 49	18 46	0 49	5 49	0 39	21 6	0 17	13 58	17 29	5 13	5 46	27 53	5 5	2 47
S 27	8 7	0s57	0 48	1 11	0 48	17 41	0 44	23 22	0 0	14 45	0 48	18 44	0 49	5 48	0 39	21 6	0 17	13 58	17 29	5 12	5 45	27 52	5 4	2 47
S 28	7 45	7 7	0s22	1 52	0 56	17 22	0 47	23 25	0n 1	14 48	0 48	18 43	0 49	5 47	0 39	21 6	0 17	13 59	17 29	5 12	5 44	27 52	5 3	2 47
M29	7 23	13 5	1 33	2 33	1 4	17 2	0 49	23 28	0 2	14 51	0 48	18 41	0 49	5 47	0 39	21 5	0 17	14 0	17 30	5 12	5 43	27 51	5 2	2 47
T 30	7 1	18 34	2 40	3 13	1 12	16 42	0 51	23 31	0 3	14 54	0 48	18 39	0 49	5 46	0 39	21 5	0 17	14 0	17 30	5 13	5 41	27 50	5 1	2 47
W31	6n38	23s12	3s39	3s52	1s20	16n22	0n53	23n33	0n 4	14s57	0n48	18n37	0n49	5n45	0s39	21n 5	0s17	14s 1	17s30	5n13	5n40	27n49	5n 0	2n47

Julian Day Number = 2120488.5, Delta T = 18m03s
Ecliptic obliquity = 23°33'33, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°06'16, Lahiri = 11°13'16 Julian Calendar 1 Aug. 1093 == Greg. Calendar 7 Aug. 1093

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1093
geocentric

SEPTEMBER 1093 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 4 21	14♍10'50	11♐12	7♎58	19♌12	25♊58	12♏47	10♌ 7	16°R 3	24♋22	5°R 1	13°R10	14♈16	15♋ 7	6°R 6	T 1
F 2	23 8 17	15° 9'33	25°18	9°16	20°26	26°31	12°57	10°13	16♈ 1	24°24	5♈ 0	13♈10	14°12	15°14	6♈ 4	F 2
S 3	23 12 14	16° 8'18	9♑38	10°32	21°40	27° 4	13° 7	10°20	15°59	24°25	4°59	13° 8	14° 9	15°20	6° 1	S 3
S 4	23 16 11	17° 7'05	24° 8	11°47	22°53	27°37	13°17	10°27	15°57	24°27	4°58	13° 6	14° 6	15°27	5°59	S 4
M 5	23 20 7	18° 5'54	8♒44	13° 0	24° 7	28°10	13°27	10°33	15°55	24°28	4°57	13° 2	14° 3	15°34	5°56	M 5
T 6	23 24 4	19° 4'44	23°20	14°12	25°21	28°43	13°37	10°40	15°53	24°30	4°56	12°59	14° 0	15°40	5°53	T 6
W 7	23 28 0	20° 3'36	7♓50	15°22	26°35	29°15	13°47	10°47	15°51	24°31	4°55	12°56	13°56	15°47	5°51	W 7
T 8	23 31 57	21° 2'30	22° 6	16°30	27°49	29°47	13°58	10°53	15°48	24°32	4°54	12°54	13°53	15°54	5°48	T 8
F 9	23 35 53	22° 1'26	6♈ 5	17°35	29° 3	0♋19	14° 8	11° 0	15°46	24°34	4°53	12°53	13°50	16° 1	5°45	F 9
S 10	23 39 50	23° 0'24	19°42	18°39	0♍17	0°51	14°19	11° 6	15°44	24°35	4°52	12°D53	13°47	16° 7	5°43	S 10
S 11	23 43 46	23°59'25	2♉57	19°41	1°31	1°22	14°29	11°12	15°42	24°37	4°50	12°54	13°44	16°14	5°40	S 11
M12	23 47 43	24°58'27	15°50	20°39	2°45	1°54	14°40	11°19	15°40	24°38	4°49	12°55	13°41	16°21	5°37	M12
T 13	23 51 40	25°57'32	28°23	21°35	3°59	2°25	14°51	11°25	15°37	24°39	4°48	12°56	13°37	16°27	5°34	T 13
W14	23 55 36	26°56'40	10♊39	22°29	5°13	2°56	15° 2	11°31	15°35	24°40	4°47	12°58	13°34	16°34	5°32	W14
T 15	23 59 33	27°55'50	22°43	23°19	6°28	3°26	15°12	11°37	15°33	24°42	4°46	12°R58	13°31	16°41	5°29	T 15
F 16	0 3 29	28°55'02	4♋38	24° 5	7°42	3°57	15°24	11°43	15°30	24°43	4°45	12°58	13°28	16°48	5°26	F 16
S 17	0 7 26	29°54'16	16°31	24°47	8°56	4°27	15°35	11°49	15°28	24°44	4°44	12°57	13°25	16°54	5°23	S 17
S 18	0 11 22	0♎53'33	28°25	25°26	10°11	4°57	15°46	11°55	15°26	24°45	4°42	12°56	13°21	17° 1	5°20	S 18
M19	0 15 19	1°52'52	10♌25	25°59	11°25	5°26	15°57	12° 1	15°23	24°46	4°41	12°55	13°18	17° 8	5°18	M19
T 20	0 19 15	2°52'14	22°34	26°28	12°40	5°56	16° 9	12° 7	15°21	24°47	4°40	12°53	13°15	17°15	5°15	T 20
W21	0 23 12	3°51'37	4♍55	26°51	13°54	6°25	16°20	12°12	15°19	24°48	4°39	12°52	13°12	17°21	5°12	W21
T 22	0 27 9	4°51'03	17°30	27° 9	15° 9	6°54	16°32	12°18	15°16	24°49	4°38	12°51	13° 9	17°28	5° 9	T 22
F 23	0 31 5	5°50'31	0♎20	27°20	16°23	7°22	16°43	12°24	15°14	24°50	4°37	12°50	13° 6	17°35	5° 6	F 23
S 24	0 35 2	6°50'01	13°26	27°R23	17°38	7°51	16°55	12°29	15°11	24°51	4°35	12°D50	13° 2	17°41	5° 4	S 24
S 25	0 38 58	7°49'33	26°47	27°20	18°52	8°19	17° 6	12°35	15° 9	24°52	4°34	12°50	12°59	17°48	5° 1	S 25
M26	0 42 55	8°49'07	10♏21	27° 8	20° 7	8°47	17°18	12°40	15° 7	24°53	4°33	12°51	12°56	17°55	4°58	M26
T 27	0 46 51	9°48'44	24° 7	26°49	21°22	9°14	17°30	12°45	15° 4	24°54	4°32	12°51	12°53	18° 2	4°55	T 27
W28	0 50 48	10°48'22	8♐ 3	26°20	22°37	9°41	17°42	12°51	15° 2	24°55	4°31	12°51	12°50	18° 8	4°52	W28
T 29	0 54 44	11°48'02	22° 7	25°43	23°51	10° 8	17°54	12°56	14°59	24°56	4°30	12°51	12°47	18°15	4°50	T 29
F 30	0 58 41	12♎47'43	6♑16	24♎58	25♍ 6	10♋35	18♏ 6	13♌ 1	14♈57	24♋56	4♈28	12♈51	12♈43	18♋22	4♈47	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n15	26s37	4s26	4s31	1s27	16n 1	0n56	23n35	0n 5	15s 0	0n47	18n36	0n50	5n44	0s39	21n 4	0s17	14s 1	17s30	5n14	5n39	27n49	4n59	2n47
F 2	5 53	28 27	4 58	5 9	1 35	15 40	0 58	23 37	0 7	15 3	0 47	18 34	0 50	5 43	0 39	21 4	0 17	14 2	17 30	5 13	5 38	27 48	4 58	2 47
S 3	5 30	28 24	5 13	5 46	1 43	15 18	1 0	23 39	0 8	15 6	0 47	18 32	0 50	5 43	0 39	21 4	0 17	14 2	17 30	5 13	5 37	27 47	4 57	2 47
S 4	5 7	26 26	5 8	6 23	1 51	14 55	1 2	23 41	0 9	15 10	0 47	18 31	0 50	5 42	0 40	21 4	0 17	14 3	17 30	5 12	5 35	27 46	4 56	2 47
M 5	4 44	22 42	4 43	6 59	1 59	14 33	1 4	23 43	0 10	15 13	0 47	18 29	0 50	5 41	0 40	21 3	0 17	14 3	17 30	5 10	5 34	27 45	4 55	2 47
T 6	4 21	17 34	3 59	7 34	2 6	14 10	1 5	23 45	0 12	15 16	0 46	18 27	0 50	5 40	0 40	21 3	0 17	14 4	17 31	5 9	5 33	27 44	4 54	2 47
W 7	3 57	11 28	3 1	8 8	2 13	13 46	1 7	23 46	0 13	15 19	0 46	18 26	0 50	5 39	0 40	21 3	0 17	14 4	17 31	5 8	5 32	27 44	4 53	2 47
T 8	3 34	4 52	1 52	8 41	2 21	13 22	1 9	23 48	0 14	15 22	0 46	18 24	0 50	5 39	0 40	21 3	0 17	14 5	17 31	5 7	5 30	27 43	4 52	2 47
F 9	3 11	1n51	0 37	9 13	2 28	12 58	1 11	23 49	0 15	15 26	0 46	18 22	0 51	5 38	0 40	21 2	0 17	14 5	17 31	5 7	5 29	27 42	4 51	2 47
S 10	2 47	8 19	0n38	9 43	2 34	12 33	1 12	23 50	0 17	15 29	0 46	18 21	0 51	5 37	0 40	21 2	0 17	14 6	17 31	5 7	5 28	27 41	4 50	2 47
S 11	2 24	14 15	1 48	10 13	2 41	12 8	1 14	23 51	0 18	15 32	0 46	18 19	0 51	5 36	0 40	21 2	0 17	14 6	17 31	5 7	5 27	27 40	4 49	2 47
M12	2 0	19 24	2 52	10 41	2 47	11 43	1 15	23 52	0 19	15 36	0 45	18 17	0 51	5 35	0 40	21 2	0 17	14 7	17 31	5 8	5 25	27 39	4 48	2 47
T 13	1 37	23 33	3 45	11 8	2 53	11 17	1 17	23 53	0 21	15 39	0 45	18 16	0 51	5 34	0 40	21 1	0 17	14 7	17 31	5 8	5 24	27 38	4 46	2 47
W14	1 13	26 34	4 27	11 33	2 59	10 51	1 18	23 54	0 22	15 42	0 45	18 14	0 51	5 33	0 40	21 1	0 17	14 8	17 31	5 9	5 23	27 37	4 45	2 47
T 15	0 50	28 17	4 56	11 57	3 4	10 25	1 19	23 54	0 23	15 46	0 45	18 13	0 51	5 32	0 40	21 1	0 17	14 8	17 31	5 9	5 22	27 36	4 44	2 47
F 16	0 26	28 41	5 13	12 19	3 9	9 58	1 21	23 55	0 25	15 49	0 45	18 11	0 52	5 32	0 40	21 1	0 17	14 9	17 31	5 9	5 20	27 36	4 43	2 47
S 17	0 2	27 45	5 15	12 38	3 13	9 31	1 22	23 55	0 26	15 53	0 45	18 10	0 52	5 31	0 40	21 1	0 17	14 9	17 31	5 9	5 19	27 35	4 42	2 47
S 18	0s21	25 33	5 5	12 56	3 17	9 4	1 23	23 56	0 28	15 56	0 44	18 8	0 52	5 30	0 40	21 0	0 17	14 10	17 31	5 8	5 18	27 34	4 41	2 47
M19	0 45	22 13	4 40	13 11	3 20	8 36	1 24	23 56	0 29	15 59	0 44	18 7	0 52	5 29	0 40	21 0	0 17	14 10	17 31	5 7	5 17	27 33	4 40	2 47
T 20	1 9	17 54	4 4	13 24	3 22	8 9	1 25	23 56	0 31	16 3	0 44	18 5	0 52	5 28	0 40	21 0	0 17	14 11	17 31	5 7	5 15	27 32	4 38	2 46
W21	1 33	12 46	3 15	13 34	3 24	7 41	1 26	23 56	0 32	16 6	0 44	18 4	0 52	5 27	0 40	21 0	0 17	14 11	17 31	5 6	5 14	27 31	4 37	2 46
T 22	1 56	7 3	2 16	13 41	3 24	7 12	1 26	23 56	0 34	16 10	0 44	18 2	0 53	5 26	0 40	21 0	0 17	14 12	17 31	5 6	5 13	27 30	4 36	2 46
F 23	2 20	0 55	1 9	13 44	3 24	6 44	1 27	23 56	0 35	16 13	0 44	18 1	0 53	5 25	0 40	21 0	0 17	14 12	17 31	5 6	5 12	27 29	4 35	2 46
S 24	2 44	5s23	0s 3	13 44	3 22	6 15	1 28	23 56	0 37	16 17	0 44	17 59	0 53	5 24	0 40	20 59	0 17	14 13	17 31	5 6	5 10	27 28	4 34	2 46
S 25	3 7	11 34	1 17	13 40	3 19	5 47	1 28	23 56	0 38	16 20	0 43	17 58	0 53	5 23	0 40	20 59	0 17	14 13	17 31	5 6	5 9	27 27	4 32	2 46
M26	3 31	17 19	2 27	13 32	3 15	5 18	1 29	23 56	0 40	16 24	0 43	17 56	0 53	5 22	0 40	20 59	0 17	14 13	17 31	5 6	5 8	27 26	4 31	2 46
T 27	3 54	22 16	3 29	13 20	3 9	4 48	1 29	23 55	0 41	16 27	0 43	17 55	0 53	5 21	0 40	20 59	0 17	14 14	17 31	5 6	5 7	27 25	4 30	2 46
W28	4 18	26 3	4 20	13 2	3 2	4 19	1 30	23 55	0 43	16 31	0 43	17 54	0 53	5 20	0 40	20 59	0 17	14 14	17 31	5 6	5 5	27 24	4 29	2 46
T 29	4 41	28 15	4 56	12 40	2 53	3 50	1 30	23 54	0 44	16 34	0 43	17 52	0 54	5 19	0 40	20 59	0 17	14 15	17 31	5 6	5 4	27 23	4 28	2 46
F 30	5s 5	28s39	5s15	12s13	2s42	3n20	1n30	23n54	0n46	16s38	0n43	17n51	0n54	5n19	0s40	20n58	0s17	14s15	17s31	5n 6	5n 3	27n22	4n26	2n46

Julian Day Number = 2120519.5, Delta T = 18m03s
Ecliptic obliquity = 23°33'34, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°06'20, Lahiri = 11°13'20 Julian Calendar 1 Sept. 1093 == Greg. Calendar 7 Sept. 1093

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1093
geocentric

OCTOBER 1093 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 2 38	13♎47'27	20♑29	24°R 4	26♍21	11♋ 1	18♏18	13♌ 6	14°R54	24♋57	4°R27	12♈51	12♈40	18♋28	4°R44	S 1
S 2	1 6 34	14°47'12	4♒42	23♎ 3	27°36	11°27	18°31	13°11	14♈52	24°58	4♈26	12°52	12°37	18°35	4♈41	S 2
M 3	1 10 31	15°46'58	18°54	21°55	28°51	11°52	18°43	13°16	14°49	24°58	4°25	12°52	12°34	18°42	4°38	M 3
T 4	1 14 27	16°46'47	3♓ 2	20°43	0♎ 6	12°18	18°55	13°20	14°47	24°59	4°24	12°52	12°31	18°49	4°36	T 4
W 5	1 18 24	17°46'37	17° 2	19°28	1°21	12°43	19° 7	13°25	14°44	25° 0	4°23	12°53	12°27	18°55	4°33	W 5
T 6	1 22 20	18°46'29	0♈52	18°11	2°36	13° 7	19°20	13°30	14°42	25° 0	4°22	12°53	12°24	19° 2	4°30	T 6
F 7	1 26 17	19°46'22	14°28	16°57	3°51	13°31	19°32	13°34	14°40	25° 1	4°21	12°R53	12°21	19° 9	4°28	F 7
S 8	1 30 13	20°46'18	27°49	15°46	5° 6	13°55	19°45	13°39	14°37	25° 1	4°19	12°53	12°18	19°16	4°25	S 8
S 9	1 34 10	21°46'16	10♉54	14°41	6°21	14°19	19°57	13°43	14°35	25° 2	4°18	12°52	12°15	19°22	4°22	S 9
M10	1 38 6	22°46'16	23°41	13°44	7°36	14°42	20°10	13°47	14°32	25° 2	4°17	12°51	12°12	19°29	4°20	M10
T 11	1 42 3	23°46'18	6♊12	12°56	8°51	15° 5	20°23	13°52	14°30	25° 3	4°16	12°49	12° 8	19°36	4°17	T 11
W12	1 46 0	24°46'22	18°28	12°19	10° 6	15°27	20°35	13°56	14°27	25° 3	4°15	12°48	12° 5	19°42	4°14	W12
T 13	1 49 56	25°46'28	0♋32	11°53	11°21	15°49	20°48	14° 0	14°25	25° 3	4°14	12°46	12° 2	19°49	4°12	T 13
F 14	1 53 53	26°46'37	12°29	11°39	12°37	16°10	21° 1	14° 4	14°23	25° 4	4°13	12°45	11°59	19°56	4° 9	F 14
S 15	1 57 49	27°46'47	24°22	11°D37	13°52	16°32	21°14	14° 7	14°20	25° 4	4°12	12°D44	11°56	20° 3	4° 7	S 15
S 16	2 1 46	28°47'00	6♌15	11°46	15° 7	16°52	21°27	14°11	14°18	25° 4	4°11	12°45	11°53	20° 9	4° 4	S 16
M17	2 5 42	29°47'14	18°14	12° 5	16°22	17°12	21°40	14°15	14°16	25° 4	4°10	12°45	11°49	20°16	4° 2	M17
T 18	2 9 39	0♏47'31	0♍23	12°34	17°38	17°32	21°53	14°18	14°13	25° 4	4° 9	12°47	11°46	20°23	3°59	T 18
W19	2 13 35	1°47'50	12°47	13°12	18°53	17°52	22° 6	14°22	14°11	25° 4	4° 8	12°48	11°43	20°30	3°57	W19
T 20	2 17 32	2°48'10	25°29	13°57	20° 8	18°10	22°19	14°25	14° 9	25° 5	4° 7	12°50	11°40	20°36	3°55	T 20
F 21	2 21 29	3°48'33	8♎31	14°50	21°23	18°29	22°32	14°28	14° 6	25° 5	4° 6	12°R50	11°37	20°43	3°52	F 21
S 22	2 25 25	4°48'57	21°55	15°50	22°39	18°47	22°45	14°32	14° 4	25°R 5	4° 5	12°50	11°33	20°50	3°50	S 22
S 23	2 29 22	5°49'23	5♏39	16°54	23°54	19° 4	22°58	14°35	14° 2	25° 5	4° 4	12°49	11°30	20°56	3°48	S 23
M24	2 33 18	6°49'51	19°41	18° 4	25°10	19°21	23°11	14°38	14° 0	25° 5	4° 3	12°46	11°27	21° 3	3°45	M24
T 25	2 37 15	7°50'21	3♐57	19°18	26°25	19°37	23°25	14°40	13°57	25° 5	4° 2	12°43	11°24	21°10	3°43	T 25
W26	2 41 11	8°50'52	18°21	20°35	27°40	19°53	23°38	14°43	13°55	25° 4	4° 1	12°39	11°21	21°17	3°41	W26
T 27	2 45 8	9°51'25	2♑49	21°55	28°56	20° 8	23°51	14°46	13°53	25° 4	4° 0	12°35	11°18	21°23	3°39	T 27
F 28	2 49 4	10°51'59	17°14	23°17	0♏11	20°23	24° 4	14°48	13°51	25° 4	3°59	12°32	11°14	21°30	3°37	F 28
S 29	2 53 1	11°52'34	1♒32	24°42	1°27	20°37	24°18	14°51	13°49	25° 4	3°58	12°31	11°11	21°37	3°35	S 29
S 30	2 56 58	12°53'10	15°41	26° 8	2°42	20°51	24°31	14°53	13°47	25° 4	3°57	12°D30	11° 8	21°43	3°33	S 30
M31	3 0 54	13♏53'48	29♒38	27♎36	3♏57	21♋ 4	24♏44	14♌55	13♈45	25♋ 3	3♈57	12♈31	11♈ 5	21♋50	3♈31	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s28	27s10	5s14	11s41	2s29	2n50	1n30	23n53	0n48	16s41	0n42	17n50	0n54	5n18	0s40	20n58	0s17	14s16	17s31	5n 6	5n 2	27n21	4n25	2n46
S 2	5 51	23 56	4 54	11 5	2 15	2 21	1 31	23 53	0 49	16 45	0 42	17 49	0 54	5 17	0 40	20 58	0 17	14 16	17 31	5 6	5 1	27 20	4 24	2 46
M 3	6 14	19 17	4 16	10 24	1 58	1 51	1 31	23 52	0 51	16 48	0 42	17 47	0 54	5 16	0 40	20 58	0 17	14 16	17 31	5 6	4 59	27 19	4 23	2 45
T 4	6 38	13 36	3 23	9 41	1 40	1 21	1 31	23 52	0 53	16 52	0 42	17 46	0 54	5 15	0 40	20 58	0 17	14 17	17 31	5 6	4 58	27 18	4 22	2 45
W 5	7 1	7 16	2 18	8 54	1 21	0 51	1 30	23 51	0 54	16 55	0 42	17 45	0 55	5 14	0 40	20 58	0 17	14 17	17 31	5 7	4 57	27 17	4 21	2 45
T 6	7 23	0 40	1 6	8 7	1 1	0 21	1 30	23 50	0 56	16 59	0 42	17 44	0 55	5 13	0 40	20 58	0 17	14 17	17 31	5 7	4 56	27 16	4 19	2 45
F 7	7 46	5n52	0n 9	7 19	0 41	0s10	1 30	23 50	0 58	17 2	0 42	17 43	0 55	5 12	0 40	20 58	0 17	14 18	17 31	5 7	4 54	27 14	4 18	2 45
S 8	8 9	12 1	1 22	6 32	0 20	0 40	1 30	23 49	1 0	17 6	0 42	17 42	0 55	5 11	0 40	20 58	0 17	14 18	17 30	5 7	4 53	27 13	4 17	2 45
S 9	8 32	17 31	2 29	5 48	0n 1	1 10	1 29	23 48	1 1	17 9	0 41	17 40	0 55	5 10	0 40	20 57	0 17	14 18	17 30	5 6	4 52	27 12	4 16	2 45
M10	8 54	22 7	3 27	5 8	0 20	1 40	1 29	23 47	1 3	17 13	0 41	17 39	0 56	5 9	0 40	20 57	0 17	14 19	17 30	5 6	4 51	27 11	4 15	2 45
T 11	9 16	25 37	4 14	4 32	0 39	2 10	1 28	23 47	1 5	17 16	0 41	17 38	0 56	5 8	0 40	20 57	0 17	14 19	17 30	5 5	4 49	27 10	4 14	2 45
W12	9 38	27 50	4 48	4 2	0 56	2 41	1 28	23 46	1 7	17 20	0 41	17 37	0 56	5 7	0 40	20 57	0 17	14 19	17 30	5 5	4 48	27 9	4 12	2 44
T 13	10 1	28 42	5 9	3 38	1 11	3 11	1 27	23 45	1 9	17 23	0 41	17 36	0 56	5 6	0 39	20 57	0 17	14 20	17 30	5 4	4 47	27 8	4 11	2 44
F 14	10 22	28 13	5 16	3 20	1 25	3 41	1 26	23 45	1 11	17 27	0 41	17 35	0 56	5 5	0 39	20 57	0 17	14 20	17 30	5 4	4 46	27 7	4 10	2 44
S 15	10 44	26 25	5 9	3 8	1 37	4 11	1 26	23 44	1 13	17 30	0 41	17 34	0 56	5 4	0 39	20 57	0 17	14 20	17 30	5 3	4 44	27 5	4 9	2 44
S 16	11 6	23 29	4 50	3 1	1 48	4 41	1 25	23 43	1 14	17 34	0 41	17 33	0 57	5 4	0 39	20 57	0 17	14 20	17 29	5 3	4 43	27 4	4 8	2 44
M17	11 27	19 31	4 17	3 1	1 56	5 11	1 24	23 43	1 16	17 37	0 40	17 33	0 57	5 3	0 39	20 57	0 17	14 21	17 29	5 4	4 42	27 3	4 7	2 44
T 18	11 48	14 43	3 33	3 6	2 3	5 40	1 23	23 42	1 18	17 41	0 40	17 32	0 57	5 2	0 39	20 57	0 17	14 21	17 29	5 4	4 41	27 2	4 6	2 44
W19	12 9	9 13	2 38	3 16	2 8	6 10	1 22	23 41	1 20	17 44	0 40	17 31	0 57	5 1	0 39	20 57	0 17	14 21	17 29	5 5	4 39	27 1	4 5	2 43
T 20	12 30	3 15	1 34	3 30	2 12	6 40	1 21	23 41	1 22	17 48	0 40	17 30	0 57	5 0	0 39	20 57	0 17	14 21	17 29	5 5	4 38	27 0	4 3	2 43
F 21	12 51	3s 2	0 24	3 48	2 15	7 9	1 20	23 40	1 25	17 51	0 40	17 29	0 58	4 59	0 39	20 57	0 17	14 22	17 28	5 6	4 37	26 58	4 2	2 43
S 22	13 11	9 21	0s50	4 10	2 16	7 38	1 19	23 40	1 27	17 55	0 40	17 29	0 58	4 58	0 39	20 57	0 17	14 22	17 28	5 6	4 36	26 57	4 1	2 43
S 23	13 32	15 23	2 2	4 35	2 16	8 7	1 17	23 40	1 29	17 58	0 40	17 28	0 58	4 57	0 39	20 57	0 17	14 22	17 28	5 5	4 34	26 56	4 0	2 43
M24	13 52	20 46	3 9	5 2	2 15	8 36	1 16	23 39	1 31	18 1	0 40	17 27	0 58	4 57	0 39	20 57	0 17	14 22	17 28	5 4	4 33	26 55	3 59	2 43
T 25	14 12	25 3	4 4	5 31	2 14	9 5	1 15	23 39	1 33	18 5	0 40	17 26	0 58	4 56	0 39	20 57	0 17	14 22	17 28	5 3	4 32	26 54	3 58	2 43
W26	14 31	27 47	4 45	6 3	2 12	9 34	1 13	23 39	1 35	18 8	0 39	17 26	0 58	4 55	0 39	20 57	0 17	14 23	17 27	5 1	4 31	26 52	3 57	2 42
T 27	14 51	28 40	5 8	6 36	2 8	10 2	1 12	23 39	1 37	18 12	0 39	17 25	0 59	4 54	0 39	20 57	0 17	14 23	17 27	5 0	4 29	26 51	3 56	2 42
F 28	15 10	27 36	5 12	7 10	2 5	10 30	1 10	23 39	1 40	18 15	0 39	17 25	0 59	4 53	0 39	20 57	0 17	14 23	17 27	4 59	4 28	26 50	3 55	2 42
S 29	15 28	24 43	4 56	7 45	2 1	10 58	1 9	23 39	1 42	18 18	0 39	17 24	0 59	4 53	0 39	20 57	0 17	14 23	17 27	4 58	4 27	26 49	3 54	2 42
S 30	15 47	20 23	4 22	8 20	1 56	11 25	1 7	23 39	1 44	18 22	0 39	17 24	0 59	4 52	0 39	20 57	0 17	14 23	17 27	4 58	4 26	26 47	3 53	2 42
M31	16s 5	14s59	3s33	8s57	1n51	11s53	1n 5	23n39	1n46	18s25	0n39	17n23	0n59	4n51	0s39	20n57	0s17	14s23	17s26	4n58	4n24	26n46	3n52	2n42

Julian Day Number = 2120549.5, Delta T = 18m03s
Ecliptic obliquity = 23°33'34, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°06'24, Lahiri = 11°13'24 Julian Calendar 1 Oct. 1093 == Greg. Calendar 7 Oct. 1093

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1093
geocentric

NOVEMBER 1093 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 4 51	14♏54'27	13♓24	29♎ 5	5♏13	21♋16	24♏58	14♌58	13°R43	25°R 3	3°R56	12♈33	11♈ 2	21♋57	3°R29	T 1
W 2	3 8 47	15°55'06	26°59	0♏35	6°28	21°28	25°11	15° 0	13♈41	25♋ 3	3♈55	12°34	10°59	22° 4	3♈27	W 2
T 3	3 12 44	16°55'47	10♈21	2° 6	7°44	21°39	25°25	15° 1	13°39	25° 2	3°54	12°R35	10°55	22°10	3°25	T 3
F 4	3 16 40	17°56'30	23°32	3°38	8°59	21°50	25°38	15° 3	13°37	25° 2	3°53	12°34	10°52	22°17	3°23	F 4
S 5	3 20 37	18°57'13	6♉31	5°10	10°15	22° 0	25°51	15° 5	13°35	25° 1	3°52	12°32	10°49	22°24	3°21	S 5
S 6	3 24 33	19°57'58	19°18	6°42	11°30	22° 9	26° 5	15° 7	13°33	25° 1	3°52	12°28	10°46	22°30	3°20	S 6
M 7	3 28 30	20°58'44	1♊53	8°15	12°46	22°18	26°18	15° 8	13°31	25° 0	3°51	12°22	10°43	22°37	3°18	M 7
T 8	3 32 27	21°59'32	14°16	9°48	14° 1	22°25	26°32	15° 9	13°30	25° 0	3°50	12°14	10°39	22°44	3°16	T 8
W 9	3 36 23	23° 0'21	26°27	11°22	15°17	22°33	26°45	15°11	13°28	24°59	3°50	12° 7	10°36	22°51	3°15	W 9
T 10	3 40 20	24° 1'11	8♋30	12°55	16°32	22°39	26°59	15°12	13°26	24°59	3°49	11°59	10°33	22°57	3°13	T 10
F 11	3 44 16	25° 2'03	20°25	14°29	17°48	22°45	27°12	15°13	13°25	24°58	3°48	11°52	10°30	23° 4	3°12	F 11
S 12	3 48 13	26° 2'56	2♌17	16° 2	19° 3	22°50	27°26	15°14	13°23	24°57	3°48	11°47	10°27	23°11	3°10	S 12
S 13	3 52 9	27° 3'50	14° 8	17°36	20°19	22°55	27°39	15°15	13°21	24°57	3°47	11°44	10°24	23°18	3° 9	S 13
M14	3 56 6	28° 4'46	26° 4	19°10	21°34	22°58	27°53	15°15	13°20	24°56	3°46	11°D43	10°20	23°24	3° 8	M14
T 15	4 0 3	29° 5'43	8♍10	20°43	22°50	23° 1	28° 6	15°16	13°18	24°55	3°46	11°43	10°17	23°31	3° 6	T 15
W16	4 3 59	0♐ 6'42	20°31	22°17	24° 5	23° 3	28°20	15°17	13°17	24°54	3°45	11°45	10°14	23°38	3° 5	W16
T 17	4 7 56	1° 7'41	3♎11	23°51	25°21	23° 4	28°34	15°17	13°15	24°53	3°45	11°46	10°11	23°44	3° 4	T 17
F 18	4 11 52	2° 8'42	16°16	25°25	26°36	23°R 5	28°47	15°17	13°14	24°53	3°44	11°R46	10° 8	23°51	3° 3	F 18
S 19	4 15 49	3° 9'44	29°46	26°59	27°52	23° 4	29° 1	15°17	13°13	24°52	3°44	11°44	10° 4	23°58	3° 2	S 19
S 20	4 19 45	4°10'47	13♏44	28°32	29° 8	23° 3	29°14	15°R17	13°11	24°51	3°43	11°41	10° 1	24° 5	3° 1	S 20
M21	4 23 42	5°11'51	28° 6	0♐ 6	0♐23	23° 1	29°28	15°17	13°10	24°50	3°43	11°34	9°58	24°11	3° 0	M21
T 22	4 27 38	6°12'56	12♐48	1°40	1°39	22°58	29°41	15°17	13° 9	24°49	3°42	11°26	9°55	24°18	2°59	T 22
W23	4 31 35	7°14'02	27°41	3°14	2°54	22°55	29°55	15°17	13° 8	24°48	3°42	11°17	9°52	24°25	2°58	W23
T 24	4 35 32	8°15'09	12♑37	4°48	4°10	22°50	0♐ 8	15°16	13° 7	24°47	3°41	11° 8	9°49	24°31	2°57	T 24
F 25	4 39 28	9°16'16	27°26	6°23	5°25	22°45	0°22	15°16	13° 5	24°46	3°41	11° 0	9°45	24°38	2°56	F 25
S 26	4 43 25	10°17'23	12♒ 2	7°57	6°41	22°39	0°35	15°15	13° 4	24°45	3°40	10°54	9°42	24°45	2°56	S 26
S 27	4 47 21	11°18'31	26°21	9°31	7°56	22°32	0°48	15°14	13° 3	24°44	3°40	10°51	9°39	24°52	2°55	S 27
M28	4 51 18	12°19'39	10♓19	11° 6	9°12	22°24	1° 2	15°14	13° 3	24°42	3°40	10°D50	9°36	24°58	2°54	M28
T 29	4 55 14	13°20'47	23°57	12°40	10°28	22°16	1°15	15°13	13° 2	24°41	3°40	10°51	9°33	25° 5	2°54	T 29
W30	4 59 11	14♐21'55	7♈16	14♐15	11♐43	22♋ 6	1♐29	15♌12	13♈ 1	24♋40	3♈39	10°R51	9♈30	25♋12	2♈53	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s23	8s54	2s33	9s34	1n46	12s20	1n 4	23n40	1n49	18s28	0n39	17n23	1n 0	4n50	0s39	20n57	0s17	14s23	17s26	4n59	4n23	26n45	3n51	2n41
W 2	16 41	2 30	1 24	10 11	1 40	12 46	1 2	23 40	1 51	18 32	0 39	17 22	1 0	4 49	0 39	20 57	0 17	14 23	17 26	4 59	4 22	26 43	3 50	2 41
T 3	16 59	3n56	0 12	10 48	1 34	13 13	1 0	23 41	1 54	18 35	0 39	17 22	1 0	4 49	0 39	20 57	0 17	14 24	17 26	5 0	4 21	26 42	3 50	2 41
F 4	17 16	10 6	0n59	11 25	1 28	13 39	0 58	23 41	1 56	18 38	0 39	17 22	1 0	4 48	0 39	20 58	0 17	14 24	17 25	4 59	4 19	26 41	3 49	2 41
S 5	17 33	15 45	2 6	12 2	1 21	14 4	0 56	23 42	1 58	18 42	0 39	17 21	1 0	4 47	0 39	20 58	0 17	14 24	17 25	4 59	4 18	26 39	3 48	2 41
S 6	17 49	20 37	3 6	12 39	1 15	14 30	0 54	23 43	2 1	18 45	0 38	17 21	1 1	4 47	0 39	20 58	0 17	14 24	17 25	4 57	4 17	26 38	3 47	2 41
M 7	18 5	24 29	3 56	13 15	1 8	14 55	0 53	23 44	2 3	18 48	0 38	17 21	1 1	4 46	0 39	20 58	0 17	14 24	17 24	4 55	4 16	26 37	3 46	2 40
T 8	18 21	27 9	4 33	13 51	1 1	15 19	0 51	23 45	2 6	18 51	0 38	17 21	1 1	4 45	0 39	20 58	0 17	14 24	17 24	4 52	4 14	26 36	3 45	2 40
W 9	18 37	28 28	4 57	14 27	0 55	15 44	0 49	23 46	2 8	18 55	0 38	17 20	1 1	4 45	0 39	20 58	0 17	14 24	17 24	4 49	4 13	26 34	3 44	2 40
T 10	18 52	28 24	5 8	15 2	0 48	16 7	0 46	23 48	2 11	18 58	0 38	17 20	1 1	4 44	0 39	20 58	0 17	14 24	17 24	4 46	4 12	26 33	3 44	2 40
F 11	19 7	27 1	5 5	15 37	0 41	16 31	0 44	23 49	2 14	19 1	0 38	17 20	1 2	4 43	0 39	20 58	0 17	14 24	17 23	4 43	4 11	26 31	3 43	2 40
S 12	19 22	24 26	4 49	16 11	0 34	16 54	0 42	23 51	2 16	19 4	0 38	17 20	1 2	4 43	0 39	20 58	0 17	14 24	17 23	4 41	4 9	26 30	3 42	2 39
S 13	19 36	20 50	4 21	16 44	0 27	17 16	0 40	23 53	2 19	19 7	0 38	17 20	1 2	4 42	0 39	20 58	0 17	14 24	17 23	4 40	4 8	26 29	3 41	2 39
M14	19 50	16 21	3 41	17 17	0 20	17 38	0 38	23 55	2 21	19 10	0 38	17 20	1 2	4 42	0 39	20 59	0 17	14 24	17 22	4 39	4 7	26 27	3 41	2 39
T 15	20 3	11 11	2 51	17 49	0 13	18 0	0 36	23 57	2 24	19 14	0 38	17 20	1 2	4 41	0 39	20 59	0 17	14 24	17 22	4 39	4 6	26 26	3 40	2 39
W16	20 17	5 29	1 52	18 20	0 6	18 21	0 33	23 59	2 27	19 17	0 38	17 20	1 3	4 40	0 39	20 59	0 17	14 24	17 22	4 40	4 4	26 25	3 39	2 39
T 17	20 29	0s34	0 46	18 51	0s 1	18 41	0 31	24 2	2 29	19 20	0 38	17 20	1 3	4 40	0 39	20 59	0 17	14 24	17 21	4 40	4 3	26 23	3 39	2 38
F 18	20 42	6 48	0s24	19 20	0 8	19 2	0 29	24 4	2 32	19 23	0 37	17 20	1 3	4 39	0 39	20 59	0 17	14 23	17 21	4 41	4 2	26 22	3 38	2 38
S 19	20 54	12 56	1 35	19 49	0 14	19 21	0 27	24 7	2 35	19 26	0 37	17 20	1 3	4 39	0 39	20 59	0 17	14 23	17 21	4 40	4 1	26 20	3 37	2 38
S 20	21 5	18 38	2 43	20 16	0 21	19 40	0 24	24 10	2 38	19 29	0 37	17 21	1 3	4 38	0 39	21 0	0 17	14 23	17 21	4 38	3 59	26 19	3 37	2 38
M21	21 16	23 26	3 42	20 43	0 27	19 59	0 22	24 13	2 40	19 32	0 37	17 21	1 4	4 38	0 39	21 0	0 17	14 23	17 20	4 36	3 58	26 17	3 36	2 38
T 22	21 27	26 52	4 28	21 9	0 34	20 16	0 20	24 16	2 43	19 35	0 37	17 21	1 4	4 37	0 39	21 0	0 17	14 23	17 20	4 33	3 57	26 16	3 36	2 37
W23	21 38	28 28	4 56	21 34	0 40	20 34	0 17	24 20	2 46	19 38	0 37	17 21	1 4	4 37	0 38	21 0	0 17	14 23	17 20	4 29	3 56	26 15	3 35	2 37
T 24	21 48	28 0	5 4	21 58	0 46	20 50	0 15	24 23	2 49	19 41	0 37	17 22	1 4	4 37	0 38	21 0	0 17	14 23	17 19	4 26	3 54	26 13	3 35	2 37
F 25	21 57	25 33	4 52	22 20	0 52	21 7	0 13	24 27	2 51	19 44	0 37	17 22	1 4	4 36	0 38	21 0	0 17	14 23	17 19	4 22	3 53	26 12	3 34	2 37
S 26	22 6	21 26	4 21	22 42	0 58	21 22	0 10	24 30	2 54	19 46	0 37	17 22	1 5	4 36	0 38	21 1	0 17	14 22	17 18	4 20	3 52	26 10	3 34	2 37
S 27	22 15	16 9	3 34	23 3	1 4	21 37	0 8	24 34	2 57	19 49	0 37	17 23	1 5	4 36	0 38	21 1	0 17	14 22	17 18	4 19	3 51	26 9	3 33	2 36
M28	22 23	10 8	2 35	23 22	1 10	21 51	0 5	24 38	3 0	19 52	0 37	17 23	1 5	4 35	0 38	21 1	0 17	14 22	17 18	4 19	3 49	26 7	3 33	2 36
T 29	22 31	3 47	1 29	23 40	1 15	22 5	0 3	24 43	3 2	19 55	0 37	17 24	1 5	4 35	0 38	21 1	0 17	14 22	17 17	4 19	3 48	26 6	3 32	2 36
W30	22s38	2n36	0s19	23s57	1s20	22s18	0n 1	24n47	3n 5	19s58	0n37	17n24	1n 6	4n35	0s38	21n 2	0s17	14s22	17s17	4n19	3n47	26n 4	3n32	2n36

Julian Day Number = 2120580.5, Delta T = 18m02s
Ecliptic obliquity = 23°33'33, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°06'28, Lahiri = 11°13'29 Julian Calendar 1 Nov. 1093 == Greg. Calendar 7 Nov. 1093

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1093
geocentric

DECEMBER 1093 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 3 7	15♐23'04	20♈20	15♐50	12♐59	21°R56	1♐42	15°R10	13°R 0	24°R39	3°R39	10°R51	9♈26	25♋19	2°R53	T 1
F 2	5 7 4	16°24'13	3♉10	17°25	14°14	21♋45	1°55	15♌ 9	12♈59	24♋38	3♈39	10♈48	9°23	25°25	2♈53	F 2
S 3	5 11 1	17°25'22	15°48	19° 1	15°30	21°33	2° 9	15° 8	12°59	24°36	3°39	10°43	9°20	25°32	2°52	S 3
S 4	5 14 57	18°26'31	28°17	20°36	16°45	21°20	2°22	15° 6	12°58	24°35	3°38	10°35	9°17	25°39	2°52	S 4
M 5	5 18 54	19°27'41	10♊37	22°12	18° 1	21° 7	2°35	15° 5	12°57	24°34	3°38	10°24	9°14	25°45	2°52	M 5
T 6	5 22 50	20°28'51	22°48	23°48	19°16	20°52	2°49	15° 3	12°57	24°33	3°38	10°12	9°10	25°52	2°52	T 6
W 7	5 26 47	21°30'01	4♋53	25°25	20°32	20°37	3° 2	15° 1	12°56	24°31	3°38	9°58	9° 7	25°59	2°52	W 7
T 8	5 30 43	22°31'11	16°51	27° 1	21°47	20°21	3°15	14°59	12°56	24°30	3°38	9°44	9° 4	26° 6	2°D52	T 8
F 9	5 34 40	23°32'22	28°44	28°38	23° 3	20° 5	3°28	14°57	12°56	24°28	3°38	9°32	9° 1	26°12	2°52	F 9
S 10	5 38 36	24°33'33	10♌34	0♏15	24°18	19°48	3°41	14°55	12°55	24°27	3°38	9°21	8°58	26°19	2°52	S 10
S 11	5 42 33	25°34'44	22°25	1°53	25°34	19°30	3°54	14°53	12°55	24°26	3°38	9°14	8°55	26°26	2°52	S 11
M12	5 46 30	26°35'56	4♍19	3°30	26°49	19°11	4° 7	14°50	12°55	24°24	3°D38	9° 9	8°51	26°32	2°52	M12
T 13	5 50 26	27°37'08	16°22	5° 8	28° 5	18°52	4°20	14°48	12°55	24°23	3°38	9° 7	8°48	26°39	2°52	T 13
W14	5 54 23	28°38'20	28°37	6°46	29°20	18°32	4°33	14°45	12°54	24°21	3°38	9°D 7	8°45	26°46	2°53	W14
T 15	5 58 19	29°39'32	11♎12	8°25	0♏36	18°12	4°46	14°43	12°54	24°20	3°38	9°R 7	8°42	26°53	2°53	T 15
F 16	6 2 16	0♏40'44	24°10	10° 3	1°51	17°51	4°59	14°40	12°D54	24°18	3°38	9° 6	8°39	26°59	2°53	F 16
S 17	6 6 12	1°41'57	7♏37	11°42	3° 7	17°29	5°12	14°37	12°54	24°17	3°38	9° 4	8°36	27° 6	2°54	S 17
S 18	6 10 9	2°43'10	21°33	13°20	4°22	17° 7	5°25	14°34	12°54	24°15	3°38	8°58	8°32	27°13	2°55	S 18
M19	6 14 5	3°44'23	5♐59	14°59	5°38	16°45	5°38	14°31	12°55	24°14	3°38	8°50	8°29	27°19	2°55	M19
T 20	6 18 2	4°45'36	20°50	16°37	6°53	16°22	5°50	14°28	12°55	24°12	3°38	8°40	8°26	27°26	2°56	T 20
W21	6 21 59	5°46'48	6♑ 0	18°16	8° 9	15°59	6° 3	14°25	12°55	24°10	3°39	8°28	8°23	27°33	2°57	W21
T 22	6 25 55	6°48'01	21°16	19°54	9°24	15°36	6°16	14°22	12°55	24° 9	3°39	8°16	8°20	27°40	2°57	T 22
F 23	6 29 52	7°49'12	6♒29	21°31	10°40	15°12	6°28	14°18	12°56	24° 7	3°39	8° 6	8°17	27°46	2°58	F 23
S 24	6 33 48	8°50'24	21°27	23° 8	11°55	14°49	6°41	14°15	12°56	24° 6	3°39	7°58	8°13	27°53	2°59	S 24
S 25	6 37 45	9°51'34	6♓ 3	24°44	13°11	14°25	6°53	14°11	12°57	24° 4	3°40	7°52	8°10	28° 0	3° 0	S 25
M26	6 41 41	10°52'44	20°13	26°19	14°26	14° 1	7° 6	14° 8	12°57	24° 2	3°40	7°50	8° 7	28° 6	3° 1	M26
T 27	6 45 38	11°53'52	3♈57	27°53	15°41	13°37	7°18	14° 4	12°58	24° 1	3°40	7°49	8° 4	28°13	3° 2	T 27
W28	6 49 35	12°55'00	17°16	29°24	16°57	13°12	7°30	14° 0	12°58	23°59	3°41	7°49	8° 1	28°20	3° 3	W28
T 29	6 53 31	13°56'07	0♉14	0♒54	18°12	12°48	7°42	13°57	12°59	23°57	3°41	7°49	7°57	28°27	3° 4	T 29
F 30	6 57 28	14°57'14	12°54	2°21	19°28	12°24	7°55	13°53	13° 0	23°56	3°41	7°46	7°54	28°33	3° 6	F 30
S 31	7 1 24	15♑58'19	25♉19	3♒45	20♑43	12♋ 1	8♐ 7	13♌49	13♈ 0	23♋54	3♈42	7♈40	7♈51	28♋40	3♈ 7	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s45	8n45	0n50	24s13	1s25	22s30	0s 2	24n51	3n 8	20s 0	0n37	17n25	1n 6	4n34	0s38	21n 2	0s17	14s21	17s17	4n19	3n46	26n 3	3n32	2n36
F 2	22 52	14 26	1 56	24 27	1 30	22 42	0 4	24 56	3 11	20 3	0 37	17 25	1 6	4 34	0 38	21 2	0 17	14 21	17 16	4 18	3 44	26 1	3 31	2 35
S 3	22 58	19 26	2 54	24 40	1 34	22 52	0 7	25 0	3 13	20 6	0 36	17 26	1 6	4 34	0 38	21 2	0 17	14 21	17 16	4 16	3 43	26 0	3 31	2 35
S 4	23 3	23 30	3 44	24 52	1 39	23 3	0 9	25 5	3 16	20 9	0 36	17 27	1 6	4 34	0 38	21 2	0 17	14 21	17 16	4 13	3 42	25 58	3 31	2 35
M 5	23 8	26 28	4 22	25 2	1 43	23 12	0 11	25 10	3 19	20 11	0 36	17 27	1 7	4 33	0 38	21 3	0 17	14 20	17 15	4 8	3 40	25 57	3 30	2 35
T 6	23 13	28 8	4 47	25 11	1 47	23 21	0 14	25 15	3 21	20 14	0 36	17 28	1 7	4 33	0 38	21 3	0 17	14 20	17 15	4 3	3 39	25 55	3 30	2 35
W 7	23 17	28 27	4 59	25 19	1 50	23 29	0 16	25 20	3 24	20 17	0 36	17 29	1 7	4 33	0 38	21 3	0 17	14 20	17 15	3 58	3 38	25 54	3 30	2 34
T 8	23 21	27 25	4 58	25 25	1 54	23 37	0 18	25 25	3 27	20 19	0 36	17 29	1 7	4 33	0 38	21 3	0 17	14 20	17 14	3 52	3 37	25 52	3 30	2 34
F 9	23 24	25 9	4 44	25 30	1 57	23 43	0 21	25 30	3 29	20 22	0 36	17 30	1 7	4 33	0 38	21 4	0 17	14 19	17 14	3 48	3 35	25 50	3 30	2 34
S 10	23 27	21 48	4 18	25 33	1 59	23 49	0 23	25 35	3 31	20 24	0 36	17 31	1 8	4 33	0 38	21 4	0 17	14 19	17 13	3 44	3 34	25 49	3 29	2 34
S 11	23 29	17 35	3 40	25 34	2 2	23 54	0 25	25 40	3 34	20 27	0 36	17 32	1 8	4 33	0 38	21 4	0 17	14 19	17 13	3 41	3 33	25 47	3 29	2 33
M12	23 31	12 39	2 53	25 34	2 4	23 59	0 28	25 45	3 36	20 29	0 36	17 33	1 8	4 33	0 38	21 4	0 17	14 18	17 13	3 39	3 32	25 46	3 29	2 33
T 13	23 32	7 12	1 57	25 33	2 5	24 3	0 30	25 50	3 39	20 32	0 36	17 34	1 8	4 33	0 38	21 5	0 17	14 18	17 12	3 38	3 30	25 44	3 29	2 33
W14	23 33	1 24	0 55	25 30	2 7	24 5	0 32	25 55	3 41	20 34	0 36	17 35	1 8	4 33	0 38	21 5	0 17	14 18	17 12	3 38	3 29	25 42	3 29	2 33
T 15	23 34	4s37	0s11	25 25	2 7	24 8	0 34	26 0	3 43	20 37	0 36	17 36	1 8	4 33	0 38	21 5	0 17	14 17	17 12	3 38	3 28	25 41	3 29	2 33
F 16	23 33	10 38	1 19	25 18	2 8	24 9	0 36	26 5	3 45	20 39	0 36	17 37	1 9	4 33	0 38	21 5	0 17	14 17	17 11	3 37	3 27	25 39	3 29	2 32
S 17	23 33	16 24	2 24	25 10	2 8	24 10	0 39	26 10	3 47	20 41	0 36	17 38	1 9	4 33	0 38	21 6	0 17	14 17	17 11	3 36	3 25	25 38	3 29	2 32
S 18	23 32	21 31	3 24	25 0	2 7	24 10	0 41	26 14	3 49	20 44	0 36	17 39	1 9	4 33	0 38	21 6	0 17	14 16	17 11	3 34	3 24	25 36	3 29	2 32
M19	23 30	25 33	4 13	24 48	2 6	24 9	0 43	26 19	3 51	20 46	0 36	17 40	1 9	4 33	0 38	21 6	0 17	14 16	17 10	3 31	3 23	25 34	3 29	2 32
T 20	23 28	27 59	4 46	24 35	2 5	24 8	0 45	26 24	3 53	20 48	0 36	17 41	1 9	4 33	0 38	21 7	0 16	14 15	17 10	3 27	3 22	25 33	3 29	2 32
W21	23 26	28 25	4 59	24 20	2 2	24 5	0 47	26 28	3 54	20 50	0 36	17 42	1 10	4 33	0 37	21 7	0 16	14 15	17 9	3 22	3 20	25 31	3 29	2 31
T 22	23 23	26 41	4 52	24 3	2 0	24 2	0 49	26 33	3 56	20 53	0 36	17 43	1 10	4 33	0 37	21 7	0 16	14 15	17 9	3 18	3 19	25 29	3 29	2 31
F 23	23 20	23 0	4 24	23 45	1 56	23 58	0 51	26 37	3 58	20 55	0 36	17 44	1 10	4 33	0 37	21 7	0 16	14 14	17 9	3 14	3 18	25 28	3 30	2 31
S 24	23 16	17 52	3 38	23 25	1 52	23 54	0 53	26 41	3 59	20 57	0 36	17 45	1 10	4 34	0 37	21 8	0 16	14 14	17 8	3 10	3 17	25 26	3 30	2 31
S 25	23 11	11 48	2 39	23 3	1 48	23 49	0 55	26 45	4 0	20 59	0 35	17 46	1 10	4 34	0 37	21 8	0 16	14 13	17 8	3 8	3 15	25 24	3 30	2 31
M26	23 7	5 18	1 32	22 40	1 42	23 43	0 57	26 49	4 2	21 1	0 35	17 48	1 10	4 34	0 37	21 8	0 16	14 13	17 8	3 7	3 14	25 23	3 30	2 30
T 27	23 1	1n16	0 20	22 15	1 36	23 36	0 58	26 53	4 3	21 3	0 35	17 49	1 11	4 34	0 37	21 9	0 16	14 12	17 7	3 7	3 13	25 21	3 30	2 30
W28	22 56	7 35	0n50	21 49	1 29	23 28	1 0	26 56	4 4	21 5	0 35	17 50	1 11	4 35	0 37	21 9	0 16	14 12	17 7	3 7	3 12	25 19	3 31	2 30
T 29	22 50	13 24	1 55	21 22	1 21	23 20	1 2	27 0	4 5	21 7	0 35	17 51	1 11	4 35	0 37	21 9	0 16	14 11	17 6	3 7	3 10	25 18	3 31	2 30
F 30	22 43	18 32	2 54	20 54	1 12	23 11	1 4	27 3	4 5	21 9	0 35	17 53	1 11	4 35	0 37	21 10	0 16	14 11	17 6	3 6	3 9	25 16	3 31	2 30
S 31	22s36	22n47	3n43	20s25	1s 2	23s 2	1s 5	27n 6	4n 6	21s11	0n35	17n54	1n11	4n36	0s37	21n10	0s16	14s10	17s 6	3n 4	3n 8	25n14	3n32	2n29

Julian Day Number = 2120610.5, Delta T = 18m02s
Ecliptic obliquity = 23°33'33, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°06'32, Lahiri = 11°13'33 Julian Calendar 1 Dec. 1093 == Greg. Calendar 7 Dec. 1093

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1094
geocentric

JANUARY 1094 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 5 21	16♉59'24	7♊35	5♒ 5	21♉58	11°R37	8♐19	13°R45	13♈ 1	23°R52	3♈42	7°R32	7♈48	28♋47	3♈ 8	S 1
M 2	7 9 17	18° 0'27	19°42	6°21	23°14	11♋14	8°31	13♌41	13° 2	23♋51	3°43	7♈21	7°45	28°53	3°10	M 2
T 3	7 13 14	19° 1'30	1♋44	7°31	24°29	10°51	8°43	13°37	13° 3	23°49	3°43	7° 7	7°42	29° 0	3°11	T 3
W 4	7 17 10	20° 2'32	13°40	8°36	25°44	10°28	8°54	13°32	13° 4	23°47	3°44	6°53	7°38	29° 7	3°13	W 4
T 5	7 21 7	21° 3'33	25°34	9°35	27° 0	10° 5	9° 6	13°28	13° 5	23°46	3°44	6°38	7°35	29°14	3°14	T 5
F 6	7 25 4	22° 4'33	7♌26	10°25	28°15	9°43	9°18	13°24	13° 6	23°44	3°45	6°25	7°32	29°20	3°16	F 6
S 7	7 29 0	23° 5'32	19°17	11° 8	29°30	9°22	9°29	13°19	13° 7	23°42	3°45	6°14	7°29	29°27	3°17	S 7
S 8	7 32 57	24° 6'30	1♍10	11°41	0♒45	9° 1	9°41	13°15	13° 8	23°41	3°46	6° 6	7°26	29°34	3°19	S 8
M 9	7 36 53	25° 7'28	13° 7	12° 5	2° 1	8°40	9°52	13°11	13°10	23°39	3°47	6° 1	7°23	29°40	3°21	M 9
T 10	7 40 50	26° 8'24	25°11	12°18	3°16	8°20	10° 4	13° 6	13°11	23°37	3°47	5°58	7°19	29°47	3°23	T 10
W11	7 44 46	27° 9'20	7♎26	12°R20	4°31	8° 1	10°15	13° 1	13°12	23°36	3°48	5°D58	7°16	29°54	3°24	W11
T 12	7 48 43	28°10'15	19°58	12°10	5°46	7°42	10°26	12°57	13°13	23°34	3°49	5°58	7°13	0♌ 1	3°26	T 12
F 13	7 52 39	29°11'09	2♏50	11°50	7° 2	7°23	10°37	12°52	13°15	23°32	3°49	5°R58	7°10	0° 7	3°28	F 13
S 14	7 56 36	0♒12'02	16° 8	11°19	8°17	7° 6	10°48	12°48	13°16	23°30	3°50	5°57	7° 7	0°14	3°30	S 14
S 15	8 0 33	1°12'55	29°54	10°37	9°32	6°49	10°59	12°43	13°18	23°29	3°51	5°54	7° 3	0°21	3°32	S 15
M16	8 4 29	2°13'46	14♐10	9°46	10°47	6°32	11°10	12°38	13°19	23°27	3°51	5°48	7° 0	0°27	3°34	M16
T 17	8 8 26	3°14'37	28°53	8°48	12° 2	6°17	11°21	12°33	13°21	23°25	3°52	5°40	6°57	0°34	3°37	T 17
W18	8 12 22	4°15'27	13♑59	7°43	13°18	6° 2	11°32	12°29	13°23	23°24	3°53	5°31	6°54	0°41	3°39	W18
T 19	8 16 19	5°16'15	29°17	6°34	14°33	5°48	11°42	12°24	13°24	23°22	3°54	5°21	6°51	0°48	3°41	T 19
F 20	8 20 15	6°17'02	14♒37	5°23	15°48	5°35	11°53	12°19	13°26	23°21	3°55	5°12	6°48	0°54	3°43	F 20
S 21	8 24 12	7°17'48	29°47	4°12	17° 3	5°22	12° 3	12°14	13°28	23°19	3°56	5° 5	6°44	1° 1	3°46	S 21
S 22	8 28 9	8°18'32	14♓37	3° 2	18°18	5°11	12°13	12° 9	13°30	23°17	3°56	5° 1	6°41	1° 8	3°48	S 22
M23	8 32 5	9°19'14	29° 2	1°56	19°33	5° 0	12°24	12° 4	13°32	23°16	3°57	4°D59	6°38	1°14	3°50	M23
T 24	8 36 2	10°19'55	12♈59	0°54	20°48	4°50	12°34	12° 0	13°34	23°14	3°58	5° 0	6°35	1°21	3°53	T 24
W25	8 39 58	11°20'33	26°27	29♉58	22° 3	4°40	12°44	11°55	13°35	23°12	3°59	5° 0	6°32	1°28	3°55	W25
T 26	8 43 55	12°21'10	9♉29	29° 9	23°18	4°32	12°54	11°50	13°37	23°11	4° 0	5°R 1	6°28	1°35	3°58	T 26
F 27	8 47 51	13°21'46	22°10	28°27	24°33	4°24	13° 3	11°45	13°40	23° 9	4° 1	5° 1	6°25	1°41	4° 0	F 27
S 28	8 51 48	14°22'19	4♊34	27°53	25°48	4°17	13°13	11°40	13°42	23° 8	4° 2	4°59	6°22	1°48	4° 3	S 28
S 29	8 55 44	15°22'51	16°44	27°27	27° 3	4°11	13°23	11°35	13°44	23° 6	4° 3	4°54	6°19	1°55	4° 6	S 29
M30	8 59 41	16°23'21	28°45	27° 8	28°18	4° 6	13°32	11°30	13°46	23° 5	4° 4	4°47	6°16	2° 1	4° 8	M30
T 31	9 3 38	17♒23'49	10♋40	26♉57	29♒33	4♋ 1	13♐41	11♌26	13♈48	23♋ 3	4♈ 5	4♈39	6♈13	2♌ 8	4♈11	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s28	25n58	4n20	19s55	0s51	22s51	1s 7	27n 9	4n 7	21s13	0n35	17n55	1n11	4n36	0s37	21n10	0s16	14s10	17s 5	3n 0	3n 7	25n12	3n32	2n29
M 2	22 20	27 54	4 46	19 25	0 40	22 40	1 8	27 11	4 7	21 15	0 35	17 57	1 12	4 36	0 37	21 10	0 16	14 9	17 5	2 56	3 5	25 11	3 32	2 29
T 3	22 12	28 31	4 58	18 55	0 27	22 29	1 10	27 14	4 8	21 17	0 35	17 58	1 12	4 37	0 37	21 11	0 16	14 9	17 5	2 50	3 4	25 9	3 33	2 29
W 4	22 3	27 47	4 58	18 25	0 14	22 16	1 11	27 16	4 8	21 19	0 35	17 59	1 12	4 37	0 37	21 11	0 16	14 8	17 4	2 45	3 3	25 7	3 33	2 29
T 5	21 54	25 47	4 44	17 56	0n 1	22 3	1 13	27 18	4 8	21 21	0 35	18 1	1 12	4 37	0 37	21 11	0 16	14 8	17 4	2 39	3 1	25 5	3 34	2 28
F 6	21 44	22 39	4 18	17 27	0 16	21 49	1 14	27 20	4 8	21 23	0 35	18 2	1 12	4 38	0 37	21 12	0 16	14 7	17 4	2 34	3 0	25 4	3 34	2 28
S 7	21 34	18 36	3 40	17 0	0 32	21 35	1 15	27 21	4 8	21 24	0 35	18 4	1 12	4 38	0 37	21 12	0 16	14 7	17 3	2 29	2 59	25 2	3 35	2 28
S 8	21 24	13 49	2 53	16 35	0 49	21 20	1 16	27 23	4 8	21 26	0 35	18 5	1 13	4 39	0 37	21 12	0 16	14 6	17 3	2 26	2 58	25 0	3 35	2 28
M 9	21 13	8 29	1 58	16 12	1 6	21 4	1 18	27 24	4 8	21 28	0 35	18 6	1 13	4 39	0 37	21 13	0 16	14 6	17 3	2 24	2 56	24 58	3 36	2 28
T 10	21 2	2 48	0 57	15 51	1 24	20 48	1 19	27 25	4 8	21 30	0 35	18 8	1 13	4 40	0 37	21 13	0 16	14 5	17 2	2 23	2 55	24 57	3 36	2 27
W11	20 50	3s 5	0s 8	15 34	1 42	20 31	1 20	27 26	4 7	21 31	0 35	18 9	1 13	4 40	0 37	21 13	0 16	14 4	17 2	2 23	2 54	24 55	3 37	2 27
T 12	20 38	8 59	1 14	15 19	1 59	20 14	1 21	27 26	4 7	21 33	0 35	18 11	1 13	4 41	0 37	21 13	0 16	14 4	17 2	2 23	2 53	24 53	3 37	2 27
F 13	20 25	14 40	2 18	15 8	2 17	19 56	1 22	27 27	4 6	21 34	0 35	18 12	1 13	4 42	0 37	21 14	0 16	14 3	17 1	2 23	2 51	24 51	3 38	2 27
S 14	20 13	19 53	3 17	15 1	2 33	19 37	1 23	27 27	4 6	21 36	0 35	18 14	1 13	4 42	0 37	21 14	0 16	14 3	17 1	2 23	2 50	24 49	3 38	2 27
S 15	19 59	24 14	4 6	14 57	2 49	19 18	1 23	27 28	4 5	21 38	0 35	18 15	1 13	4 43	0 37	21 14	0 16	14 2	17 1	2 21	2 49	24 47	3 39	2 26
M16	19 46	27 17	4 42	14 57	3 3	18 58	1 24	27 28	4 4	21 39	0 35	18 17	1 14	4 43	0 37	21 15	0 16	14 2	17 0	2 19	2 48	24 46	3 40	2 26
T 17	19 32	28 35	5 1	15 1	3 15	18 38	1 25	27 28	4 3	21 41	0 35	18 18	1 14	4 44	0 36	21 15	0 16	14 1	17 0	2 16	2 46	24 44	3 40	2 26
W18	19 17	27 48	5 0	15 7	3 26	18 17	1 26	27 27	4 2	21 42	0 35	18 20	1 14	4 45	0 36	21 15	0 16	14 0	17 0	2 12	2 45	24 42	3 41	2 26
T 19	19 3	24 56	4 38	15 16	3 34	17 55	1 26	27 27	4 1	21 44	0 35	18 21	1 14	4 46	0 36	21 16	0 16	14 0	16 59	2 8	2 44	24 40	3 42	2 26
F 20	18 48	20 17	3 55	15 28	3 39	17 33	1 27	27 27	4 0	21 45	0 35	18 22	1 14	4 46	0 36	21 16	0 16	13 59	16 59	2 5	2 43	24 38	3 43	2 26
S 21	18 32	14 22	2 57	15 42	3 43	17 11	1 27	27 26	3 59	21 46	0 35	18 24	1 14	4 47	0 36	21 16	0 16	13 59	16 59	2 2	2 41	24 36	3 43	2 25
S 22	18 17	7 44	1 47	15 57	3 44	16 48	1 27	27 25	3 58	21 48	0 35	18 25	1 14	4 48	0 36	21 16	0 16	13 58	16 58	2 0	2 40	24 35	3 44	2 25
M23	18 1	0 52	0 32	16 13	3 42	16 25	1 28	27 25	3 57	21 49	0 35	18 27	1 14	4 48	0 36	21 17	0 16	13 57	16 58	2 0	2 39	24 33	3 45	2 25
T 24	17 44	5n48	0n43	16 30	3 39	16 1	1 28	27 24	3 56	21 50	0 35	18 28	1 14	4 49	0 36	21 17	0 16	13 57	16 58	2 0	2 38	24 31	3 46	2 25
W25	17 28	12 0	1 53	16 47	3 33	15 37	1 28	27 23	3 55	21 52	0 35	18 30	1 15	4 50	0 36	21 17	0 16	13 56	16 58	2 0	2 36	24 29	3 47	2 25
T 26	17 11	17 29	2 54	17 4	3 26	15 12	1 28	27 22	3 53	21 53	0 35	18 31	1 15	4 51	0 36	21 18	0 16	13 55	16 57	2 0	2 35	24 27	3 47	2 25
F 27	16 54	22 2	3 46	17 21	3 18	14 47	1 28	27 21	3 52	21 54	0 35	18 33	1 15	4 52	0 36	21 18	0 16	13 55	16 57	2 0	2 34	24 25	3 48	2 24
S 28	16 36	25 30	4 25	17 37	3 8	14 22	1 28	27 20	3 50	21 55	0 35	18 34	1 15	4 53	0 36	21 18	0 16	13 54	16 57	1 59	2 32	24 23	3 49	2 24
S 29	16 18	27 44	4 52	17 52	2 58	13 56	1 28	27 19	3 49	21 57	0 35	18 36	1 15	4 53	0 36	21 18	0 16	13 53	16 56	1 57	2 31	24 21	3 50	2 24
M30	16 0	28 38	5 5	18 7	2 46	13 30	1 28	27 17	3 48	21 58	0 35	18 37	1 15	4 54	0 36	21 19	0 16	13 53	16 56	1 55	2 30	24 19	3 51	2 24
T 31	15s42	28n12	5n 5	18s21	2n34	13s 3	1s28	27n16	3n46	21s59	0n35	18n39	1n15	4n55	0s36	21n19	0s16	13s52	16s56	1n51	2n29	24n17	3n52	2n24

Julian Day Number = 2120641.5, Delta T = 18m02s
Ecliptic obliquity = 23°33'33, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°06'37, Lahiri = 11°13'37 Julian Calendar 1 Jan. 1094 == Greg. Calendar 7 Jan. 1094

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1094
geocentric

FEBRUARY 1094 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 7 34	18♒24'15	22♋32	26°D53	0♓48	3°R58	13♐51	11°R21	13♈50	23°R 2	4♈ 6	4°R30	6♈ 9	2♌15	4♈14	W 1
T 2	9 11 31	19°24'40	4♌24	26♏56	2° 3	3♋55	14° 0	11♌16	13°53	23♋ 0	4° 7	4♈21	6° 6	2°22	4°16	T 2
F 3	9 15 27	20°25'02	16°16	27° 5	3°18	3°52	14° 9	11°11	13°55	22°59	4° 8	4°12	6° 3	2°28	4°19	F 3
S 4	9 19 24	21°25'23	28°11	27°21	4°33	3°51	14°17	11° 6	13°57	22°57	4° 9	4° 5	6° 0	2°35	4°22	S 4
S 5	9 23 20	22°25'42	10♍10	27°42	5°47	3°D50	14°26	11° 2	14° 0	22°56	4°11	4° 1	5°57	2°42	4°25	S 5
M 6	9 27 17	23°26'00	22°15	28° 9	7° 2	3°50	14°35	10°57	14° 2	22°54	4°12	3°58	5°54	2°48	4°28	M 6
T 7	9 31 13	24°26'15	4♎28	28°40	8°17	3°51	14°43	10°52	14° 5	22°53	4°13	3°D57	5°50	2°55	4°31	T 7
W 8	9 35 10	25°26'29	16°52	29°16	9°32	3°53	14°52	10°48	14° 7	22°52	4°14	3°58	5°47	3° 2	4°34	W 8
T 9	9 39 6	26°26'42	29°30	29°56	10°46	3°55	15° 0	10°43	14°10	22°50	4°15	3°59	5°44	3° 8	4°37	T 9
F 10	9 43 3	27°26'53	12♏25	0♒41	12° 1	3°58	15° 8	10°39	14°12	22°49	4°16	4° 1	5°41	3°15	4°40	F 10
S 11	9 47 0	28°27'02	25°40	1°29	13°16	4° 2	15°16	10°34	14°15	22°48	4°17	4°R 2	5°38	3°22	4°43	S 11
S 12	9 50 56	29°27'10	9♐18	2°20	14°30	4° 6	15°24	10°30	14°18	22°46	4°19	4° 1	5°34	3°29	4°46	S 12
M13	9 54 53	0♓27'17	23°20	3°14	15°45	4°11	15°31	10°25	14°20	22°45	4°20	3°59	5°31	3°35	4°49	M13
T 14	9 58 49	1°27'21	7♑47	4°12	16°59	4°17	15°39	10°21	14°23	22°44	4°21	3°56	5°28	3°42	4°52	T 14
W15	10 2 46	2°27'25	22°33	5°12	18°14	4°23	15°46	10°16	14°26	22°42	4°22	3°52	5°25	3°49	4°56	W15
T 16	10 6 42	3°27'26	7♒34	6°15	19°29	4°30	15°54	10°12	14°28	22°41	4°24	3°47	5°22	3°55	4°59	T 16
F 17	10 10 39	4°27'26	22°41	7°20	20°43	4°37	16° 1	10° 8	14°31	22°40	4°25	3°43	5°19	4° 2	5° 2	F 17
S 18	10 14 36	5°27'23	7♓44	8°27	21°58	4°46	16° 8	10° 4	14°34	22°39	4°26	3°40	5°15	4° 9	5° 5	S 18
S 19	10 18 32	6°27'19	22°34	9°37	23°12	4°54	16°15	10° 0	14°37	22°38	4°27	3°38	5°12	4°16	5° 9	S 19
M20	10 22 29	7°27'12	7♈ 4	10°48	24°26	5° 4	16°21	9°56	14°40	22°37	4°29	3°D38	5° 9	4°22	5°12	M20
T 21	10 26 25	8°27'03	21° 8	12° 2	25°41	5°14	16°28	9°52	14°43	22°36	4°30	3°39	5° 6	4°29	5°15	T 21
W22	10 30 22	9°26'52	4♉46	13°17	26°55	5°24	16°34	9°48	14°46	22°35	4°31	3°40	5° 3	4°36	5°19	W22
T 23	10 34 18	10°26'39	17°57	14°35	28°10	5°36	16°40	9°44	14°49	22°33	4°33	3°42	5° 0	4°42	5°22	T 23
F 24	10 38 15	11°26'24	0♊44	15°54	29°24	5°47	16°46	9°40	14°52	22°32	4°34	3°43	4°56	4°49	5°25	F 24
S 25	10 42 11	12°26'06	13°12	17°14	0♈38	5°59	16°52	9°36	14°55	22°31	4°35	3°R43	4°53	4°56	5°29	S 25
S 26	10 46 8	13°25'46	25°23	18°36	1°52	6°12	16°58	9°33	14°58	22°31	4°37	3°43	4°50	5° 3	5°32	S 26
M27	10 50 4	14°25'24	7♋24	20° 0	3° 7	6°25	17° 4	9°29	15° 1	22°30	4°38	3°41	4°47	5° 9	5°36	M27
T 28	10 54 1	15♓25'00	19♋17	21♒25	4♈21	6♋39	17♐ 9	9♌26	15♈ 4	22♋29	4♈39	3♈39	4♈44	5♌16	5♈39	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	15s23	26n28	4n52	18s34	2n22	12s37	1s28	27n15	3n45	22s 0	0n35	18n40	1n15	4n56	0s36	21n19	0s16	13s52	16s56	1n48	2n27	24n15	3n53	2n24	W 1
T 2	15 4	23 34	4 26	18 45	2 10	12 9	1 27	27 13	3 43	22 1	0 35	18 41	1 15	4 57	0 36	21 20	0 16	13 51	16 55	1 44	2 26	24 13	3 54	2 23	T 2
F 3	14 45	19 40	3 49	18 56	1 57	11 42	1 27	27 12	3 42	22 2	0 35	18 43	1 15	4 58	0 36	21 20	0 16	13 50	16 55	1 41	2 25	24 12	3 55	2 23	F 3
S 4	14 26	15 0	3 1	19 5	1 44	11 14	1 27	27 10	3 40	22 3	0 35	18 44	1 15	4 59	0 36	21 20	0 16	13 50	16 55	1 38	2 24	24 10	3 56	2 23	S 4
S 5	14 6	9 44	2 5	19 14	1 32	10 46	1 26	27 9	3 39	22 4	0 35	18 46	1 15	5 0	0 36	21 20	0 16	13 49	16 55	1 36	2 22	24 8	3 57	2 23	S 5
M 6	13 47	4 3	1 3	19 21	1 19	10 18	1 25	27 7	3 37	22 5	0 35	18 47	1 16	5 1	0 36	21 21	0 16	13 48	16 54	1 35	2 21	24 6	3 58	2 23	M 6
T 7	13 27	1s50	0s 3	19 26	1 7	9 49	1 25	27 5	3 35	22 6	0 35	18 48	1 16	5 2	0 36	21 21	0 16	13 48	16 54	1 35	2 20	24 4	3 59	2 23	T 7
W 8	13 6	7 44	1 10	19 31	0 55	9 20	1 24	27 4	3 34	22 7	0 35	18 50	1 16	5 3	0 36	21 21	0 16	13 47	16 54	1 35	2 19	24 2	4 0	2 23	W 8
T 9	12 46	13 27	2 15	19 34	0 43	8 51	1 23	27 2	3 32	22 8	0 35	18 51	1 16	5 4	0 36	21 21	0 16	13 46	16 54	1 36	2 17	24 0	4 1	2 22	T 9
F 10	12 25	18 43	3 14	19 36	0 31	8 21	1 22	27 0	3 31	22 9	0 35	18 52	1 16	5 5	0 36	21 22	0 16	13 46	16 53	1 36	2 16	23 58	4 2	2 22	F 10
S 11	12 4	23 14	4 5	19 36	0 20	7 52	1 21	26 59	3 29	22 10	0 35	18 53	1 16	5 6	0 36	21 22	0 16	13 45	16 53	1 37	2 15	23 56	4 3	2 22	S 11
S 12	11 43	26 37	4 44	19 36	0 9	7 22	1 20	26 57	3 27	22 11	0 35	18 55	1 16	5 7	0 36	21 22	0 16	13 44	16 53	1 36	2 14	23 54	4 4	2 22	S 12
M13	11 22	28 30	5 7	19 33	0s 2	6 52	1 19	26 55	3 26	22 12	0 35	18 56	1 16	5 8	0 36	21 22	0 16	13 44	16 53	1 36	2 12	23 52	4 6	2 22	M13
T 14	11 1	28 31	5 11	19 30	0 12	6 22	1 18	26 53	3 24	22 12	0 35	18 57	1 16	5 9	0 36	21 22	0 16	13 43	16 53	1 34	2 11	23 50	4 7	2 22	T 14
W15	10 39	26 31	4 56	19 25	0 22	5 51	1 17	26 51	3 22	22 13	0 35	18 58	1 16	5 10	0 36	21 23	0 16	13 42	16 52	1 33	2 10	23 48	4 8	2 22	W15
T 16	10 17	22 39	4 20	19 19	0 31	5 21	1 16	26 50	3 21	22 14	0 35	19 0	1 16	5 11	0 36	21 23	0 16	13 42	16 52	1 31	2 8	23 46	4 9	2 21	T 16
F 17	9 55	17 15	3 26	19 11	0 40	4 50	1 15	26 48	3 19	22 15	0 35	19 1	1 16	5 12	0 36	21 23	0 16	13 41	16 52	1 29	2 7	23 44	4 10	2 21	F 17
S 18	9 33	10 50	2 17	19 2	0 49	4 20	1 13	26 46	3 18	22 15	0 35	19 2	1 16	5 13	0 36	21 23	0 16	13 40	16 52	1 28	2 6	23 41	4 11	2 21	S 18
S 19	9 11	3 53	1 0	18 51	0 58	3 49	1 12	26 44	3 16	22 16	0 35	19 3	1 16	5 15	0 35	21 24	0 16	13 40	16 52	1 27	2 5	23 39	4 13	2 21	S 19
M20	8 49	3n 6	0n19	18 40	1 6	3 18	1 10	26 42	3 14	22 17	0 35	19 4	1 16	5 16	0 35	21 24	0 16	13 39	16 52	1 27	2 3	23 37	4 14	2 21	M20
T 21	8 27	9 45	1 35	18 26	1 13	2 47	1 9	26 40	3 13	22 17	0 35	19 5	1 16	5 17	0 35	21 24	0 16	13 38	16 51	1 27	2 2	23 35	4 15	2 21	T 21
W22	8 4	15 44	2 43	18 12	1 20	2 15	1 7	26 38	3 11	22 18	0 35	19 6	1 16	5 18	0 35	21 24	0 16	13 38	16 51	1 28	2 1	23 33	4 16	2 21	W22
T 23	7 41	20 47	3 40	17 56	1 27	1 44	1 6	26 36	3 10	22 19	0 35	19 8	1 16	5 19	0 35	21 24	0 16	13 37	16 51	1 29	2 0	23 31	4 17	2 21	T 23
F 24	7 19	24 43	4 24	17 38	1 34	1 13	1 4	26 34	3 8	22 19	0 35	19 9	1 16	5 20	0 35	21 24	0 16	13 36	16 51	1 29	1 58	23 29	4 19	2 20	F 24
S 25	6 56	27 22	4 55	17 20	1 40	0 42	1 2	26 32	3 6	22 20	0 35	19 10	1 16	5 22	0 35	21 25	0 16	13 36	16 51	1 29	1 57	23 27	4 20	2 20	S 25
S 26	6 33	28 40	5 12	17 0	1 45	0 10	1 0	26 29	3 5	22 20	0 35	19 11	1 16	5 23	0 35	21 25	0 16	13 35	16 51	1 29	1 56	23 25	4 21	2 20	S 26
M27	6 10	28 35	5 14	16 38	1 50	0n21	0 58	26 27	3 3	22 21	0 35	19 12	1 16	5 24	0 35	21 25	0 16	13 34	16 51	1 28	1 55	23 23	4 23	2 20	M27
T 28	5s47	27n10	5n 3	16s15	1s55	0n52	0s56	26n25	3n 2	22s22	0n35	19n12	1n16	5n25	0s35	21n25	0s15	13s34	16s50	1n27	1n53	23n21	4n24	2n20	T 28

Julian Day Number = 2120672.5, Delta T = 18m02s
Ecliptic obliquity = 23°33'33, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°06'41, Lahiri = 11°13'41 Julian Calendar 1 Feb. 1094 == Greg. Calendar 7 Feb. 1094

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1094
geocentric

MARCH 1094 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 57 58	16♓24'33	1♌ 8	22♒52	5♈35	6♋53	17♐14	9°R22	15♈ 7	22°R28	4♈41	3°R36	4♈40	5♌23	5♈43	W 1
T 2	11 1 54	17°24'04	12°59	24°20	6°49	7° 8	17°20	9♌19	15°10	22♋27	4°42	3♈34	4°37	5°29	5°46	T 2
F 3	11 5 51	18°23'32	24°54	25°49	8° 3	7°23	17°24	9°16	15°13	22°26	4°43	3°31	4°34	5°36	5°50	F 3
S 4	11 9 47	19°22'58	6♍55	27°20	9°17	7°39	17°29	9°13	15°16	22°25	4°45	3°29	4°31	5°43	5°53	S 4
S 5	11 13 44	20°22'23	19° 4	28°52	10°31	7°55	17°34	9°10	15°20	22°25	4°46	3°28	4°28	5°49	5°57	S 5
M 6	11 17 40	21°21'45	1♎22	0♓26	11°45	8°12	17°38	9° 7	15°23	22°24	4°48	3°D28	4°25	5°56	6° 0	M 6
T 7	11 21 37	22°21'05	13°51	2° 1	12°59	8°28	17°43	9° 4	15°26	22°23	4°49	3°28	4°21	6° 3	6° 4	T 7
W 8	11 25 33	23°20'23	26°31	3°38	14°13	8°46	17°47	9° 1	15°29	22°23	4°50	3°28	4°18	6°10	6° 8	W 8
T 9	11 29 30	24°19'39	9♏25	5°15	15°27	9° 4	17°51	8°58	15°32	22°22	4°52	3°29	4°15	6°16	6°11	T 9
F 10	11 33 27	25°18'53	22°34	6°55	16°40	9°22	17°54	8°56	15°36	22°21	4°53	3°30	4°12	6°23	6°15	F 10
S 11	11 37 23	26°18'06	5♐58	8°35	17°54	9°40	17°58	8°53	15°39	22°21	4°55	3°31	4° 9	6°30	6°18	S 11
S 12	11 41 20	27°17'17	19°38	10°17	19° 8	9°59	18° 1	8°51	15°42	22°20	4°56	3°31	4° 6	6°36	6°22	S 12
M13	11 45 16	28°16'26	3♑34	12° 0	20°22	10°18	18° 5	8°48	15°46	22°20	4°58	3°R31	4° 2	6°43	6°26	M13
T 14	11 49 13	29°15'33	17°47	13°45	21°35	10°38	18° 8	8°46	15°49	22°19	4°59	3°31	3°59	6°50	6°29	T 14
W15	11 53 9	0♈14'39	2♒13	15°31	22°49	10°58	18°11	8°44	15°52	22°19	5° 0	3°31	3°56	6°56	6°33	W15
T 16	11 57 6	1°13'42	16°49	17°19	24° 2	11°18	18°13	8°42	15°56	22°19	5° 2	3°30	3°53	7° 3	6°37	T 16
F 17	12 1 2	2°12'44	1♓31	19° 8	25°16	11°39	18°16	8°40	15°59	22°18	5° 3	3°30	3°50	7°10	6°40	F 17
S 18	12 4 59	3°11'44	16°11	20°58	26°30	12° 0	18°18	8°38	16° 2	22°18	5° 5	3°D30	3°46	7°17	6°44	S 18
S 19	12 8 56	4°10'42	0♈43	22°50	27°43	12°21	18°20	8°36	16° 6	22°17	5° 6	3°R30	3°43	7°23	6°48	S 19
M20	12 12 52	5° 9'37	15° 2	24°44	28°56	12°43	18°22	8°35	16° 9	22°17	5° 8	3°30	3°40	7°30	6°51	M20
T 21	12 16 49	6° 8'31	29° 1	26°39	0♉10	13° 5	18°24	8°33	16°13	22°17	5° 9	3°30	3°37	7°37	6°55	T 21
W22	12 20 45	7° 7'23	12♉39	28°35	1°23	13°27	18°26	8°32	16°16	22°17	5°10	3°30	3°34	7°43	6°59	W22
T 23	12 24 42	8° 6'12	25°53	0♈33	2°37	13°50	18°27	8°31	16°19	22°17	5°12	3°29	3°31	7°50	7° 2	T 23
F 24	12 28 38	9° 4'59	8♊45	2°32	3°50	14°13	18°28	8°29	16°23	22°16	5°13	3°28	3°27	7°57	7° 6	F 24
S 25	12 32 35	10° 3'44	21°17	4°32	5° 3	14°36	18°29	8°28	16°26	22°16	5°15	3°28	3°24	8° 3	7°10	S 25
S 26	12 36 31	11° 2'27	3♋32	6°34	6°16	15° 0	18°30	8°27	16°30	22°16	5°16	3°28	3°21	8°10	7°13	S 26
M27	12 40 28	12° 1'07	15°35	8°37	7°29	15°23	18°31	8°26	16°33	22°16	5°18	3°D27	3°18	8°17	7°17	M27
T 28	12 44 25	12°59'45	27°29	10°41	8°42	15°47	18°31	8°26	16°37	22°D16	5°19	3°28	3°15	8°24	7°21	T 28
W29	12 48 21	13°58'21	9♌20	12°47	9°55	16°12	18°32	8°25	16°40	22°16	5°20	3°29	3°11	8°30	7°24	W29
T 30	12 52 18	14°56'55	21°13	14°53	11° 8	16°36	18°R32	8°24	16°44	22°16	5°22	3°30	3° 8	8°37	7°28	T 30
F 31	12 56 14	15♈55'26	3♍10	17♈ 0	12♉21	17♋ 1	18♐32	8♌24	16♈47	22♋16	5♈23	3♈31	3♈ 5	8♌44	7♈31	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s23	24n33	4n40	15s51	2s 0	1n24	0s55	26n23	3n 0	22s22	0n35	19n13	1n16	5n26	0s35	21n25	0s15	13s33	16s50	1n26	1n52	23n19	4n25	2n20
T 2	5 0	20 53	4 4	15 25	2 3	1 55	0 52	26 20	2 59	22 23	0 35	19 14	1 16	5 28	0 35	21 25	0 15	13 32	16 50	1 25	1 51	23 16	4 26	2 20
F 3	4 37	16 23	3 17	14 58	2 7	2 26	0 50	26 18	2 57	22 23	0 35	19 15	1 16	5 29	0 35	21 26	0 15	13 32	16 50	1 24	1 49	23 14	4 28	2 20
S 4	4 13	11 12	2 22	14 29	2 10	2 57	0 48	26 16	2 56	22 23	0 35	19 16	1 16	5 30	0 35	21 26	0 15	13 31	16 50	1 24	1 48	23 12	4 29	2 20
S 5	3 50	5 33	1 19	14 0	2 13	3 29	0 46	26 13	2 54	22 24	0 35	19 17	1 16	5 31	0 35	21 26	0 15	13 31	16 50	1 23	1 47	23 10	4 30	2 19
M 6	3 26	0s22	0 12	13 28	2 15	4 0	0 44	26 11	2 53	22 24	0 35	19 18	1 16	5 33	0 35	21 26	0 15	13 30	16 50	1 23	1 46	23 8	4 32	2 19
T 7	3 3	6 22	0s57	12 56	2 16	4 31	0 42	26 8	2 51	22 25	0 35	19 18	1 16	5 34	0 35	21 26	0 15	13 29	16 50	1 23	1 44	23 6	4 33	2 19
W 8	2 39	12 13	2 4	12 22	2 18	5 2	0 39	26 5	2 50	22 25	0 35	19 19	1 16	5 35	0 35	21 26	0 15	13 29	16 50	1 23	1 43	23 4	4 34	2 19
T 9	2 16	17 39	3 6	11 46	2 18	5 32	0 37	26 3	2 48	22 25	0 35	19 20	1 16	5 36	0 35	21 26	0 15	13 28	16 50	1 24	1 42	23 1	4 36	2 19
F 10	1 52	22 22	4 0	11 10	2 19	6 3	0 35	26 0	2 47	22 26	0 35	19 20	1 16	5 38	0 35	21 27	0 15	13 27	16 50	1 24	1 41	22 59	4 37	2 19
S 11	1 29	26 1	4 41	10 32	2 19	6 34	0 32	25 57	2 45	22 26	0 35	19 21	1 16	5 39	0 35	21 27	0 15	13 27	16 49	1 24	1 39	22 57	4 38	2 19
S 12	1 5	28 16	5 8	9 52	2 18	7 4	0 30	25 54	2 44	22 26	0 35	19 22	1 16	5 40	0 35	21 27	0 15	13 26	16 49	1 24	1 38	22 55	4 40	2 19
M13	0 41	28 48	5 17	9 12	2 17	7 34	0 27	25 51	2 42	22 27	0 35	19 22	1 16	5 42	0 35	21 27	0 15	13 26	16 49	1 24	1 37	22 53	4 41	2 19
T 14	0 18	27 27	5 7	8 30	2 15	8 4	0 25	25 48	2 41	22 27	0 35	19 23	1 16	5 43	0 35	21 27	0 15	13 25	16 49	1 24	1 36	22 50	4 43	2 19
W15	0n 6	24 17	4 38	7 47	2 13	8 34	0 22	25 45	2 40	22 27	0 35	19 23	1 16	5 44	0 35	21 27	0 15	13 24	16 49	1 24	1 34	22 48	4 44	2 19
T 16	0 29	19 32	3 51	7 2	2 10	9 4	0 20	25 42	2 38	22 27	0 35	19 24	1 16	5 46	0 35	21 27	0 15	13 24	16 49	1 24	1 33	22 46	4 45	2 19
F 17	0 53	13 37	2 48	6 16	2 7	9 33	0 17	25 39	2 37	22 28	0 35	19 24	1 16	5 47	0 35	21 27	0 15	13 23	16 49	1 24	1 32	22 44	4 47	2 18
S 18	1 17	6 56	1 35	5 29	2 4	10 3	0 15	25 36	2 36	22 28	0 35	19 25	1 16	5 48	0 35	21 27	0 15	13 23	16 49	1 24	1 30	22 42	4 48	2 18
S 19	1 40	0n 3	0 15	4 41	1 59	10 32	0 12	25 32	2 34	22 28	0 35	19 25	1 16	5 49	0 35	21 27	0 15	13 22	16 49	1 24	1 29	22 39	4 50	2 18
M20	2 4	6 55	1n 4	3 51	1 55	11 0	0 9	25 29	2 33	22 28	0 35	19 26	1 16	5 51	0 35	21 27	0 15	13 22	16 49	1 24	1 28	22 37	4 51	2 18
T 21	2 27	13 19	2 17	3 1	1 49	11 29	0 7	25 26	2 32	22 28	0 35	19 26	1 16	5 52	0 35	21 28	0 15	13 21	16 49	1 24	1 27	22 35	4 52	2 18
W22	2 50	18 53	3 20	2 9	1 44	11 57	0 4	25 22	2 30	22 29	0 35	19 26	1 16	5 53	0 35	21 28	0 15	13 20	16 49	1 24	1 25	22 33	4 54	2 18
T 23	3 14	23 23	4 11	1 16	1 38	12 25	0 1	25 18	2 29	22 29	0 35	19 27	1 16	5 55	0 35	21 28	0 15	13 20	16 49	1 24	1 24	22 30	4 55	2 18
F 24	3 37	26 37	4 48	0 23	1 31	12 53	0n 2	25 15	2 28	22 29	0 35	19 27	1 16	5 56	0 35	21 28	0 15	13 19	16 49	1 23	1 23	22 28	4 57	2 18
S 25	4 0	28 25	5 10	0n32	1 23	13 20	0 4	25 11	2 26	22 29	0 35	19 27	1 16	5 57	0 35	21 28	0 15	13 19	16 49	1 23	1 22	22 26	4 58	2 18
S 26	4 23	28 47	5 17	1 28	1 16	13 47	0 7	25 7	2 25	22 29	0 35	19 28	1 16	5 59	0 35	21 28	0 15	13 18	16 49	1 23	1 20	22 24	4 59	2 18
M27	4 46	27 46	5 10	2 24	1 8	14 14	0 10	25 3	2 24	22 29	0 35	19 28	1 16	6 0	0 35	21 28	0 15	13 18	16 49	1 23	1 19	22 21	5 1	2 18
T 28	5 9	25 30	4 50	3 21	0 59	14 41	0 13	24 59	2 23	22 29	0 35	19 28	1 16	6 1	0 35	21 28	0 15	13 17	16 49	1 23	1 18	22 19	5 2	2 18
W29	5 32	22 8	4 17	4 18	0 50	15 7	0 16	24 55	2 21	22 29	0 35	19 28	1 16	6 3	0 35	21 28	0 15	13 17	16 49	1 23	1 17	22 17	5 4	2 18
T 30	5 55	17 52	3 33	5 16	0 40	15 32	0 18	24 50	2 20	22 29	0 35	19 28	1 16	6 4	0 35	21 28	0 15	13 16	16 49	1 24	1 15	22 14	5 5	2 18
F 31	6n18	12n53	2n40	6n14	0s30	15n58	0n21	24n46	2n19	22s29	0n35	19n28	1n16	6n 5	0s35	21n28	0s15	13s16	16s49	1n24	1n14	22n12	5n 6	2n18

Julian Day Number = 2120700.5, Delta T = 18m01s
Ecliptic obliquity = 23°33'34, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°06'45, Lahiri = 11°13'45 Julian Calendar 1 March 1094 == Greg. Calendar 7 March 1094

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1094
geocentric

APRIL 1094 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 0 11	16♈53'56	15♍17	19♈ 7	13♉34	17♋26	18°R31	8°R23	16♈50	22♋17	5♈25	3♈32	3♈ 2	8♌50	7♈35	S 1
S 2	13 4 7	17°52'23	27°35	21°15	14°47	17°51	18♐31	8♌23	16°54	22°17	5°26	3°R32	2°59	8°57	7°39	S 2
M 3	13 8 4	18°50'48	10♎ 7	23°23	16° 0	18°17	18°30	8°23	16°57	22°17	5°27	3°32	2°56	9° 4	7°42	M 3
T 4	13 12 0	19°49'11	22°54	25°30	17°13	18°42	18°30	8°D23	17° 1	22°17	5°29	3°32	2°52	9°10	7°46	T 4
W 5	13 15 57	20°47'33	5♏57	27°38	18°25	19° 8	18°28	8°23	17° 4	22°17	5°30	3°30	2°49	9°17	7°50	W 5
T 6	13 19 53	21°45'52	19°15	29°44	19°38	19°35	18°27	8°23	17° 8	22°18	5°32	3°28	2°46	9°24	7°53	T 6
F 7	13 23 50	22°44'10	2♐46	1♉50	20°51	20° 1	18°26	8°24	17°11	22°18	5°33	3°25	2°43	9°30	7°57	F 7
S 8	13 27 47	23°42'27	16°30	3°54	22° 3	20°27	18°24	8°24	17°14	22°18	5°34	3°22	2°40	9°37	8° 0	S 8
S 9	13 31 43	24°40'41	0♑24	5°56	23°16	20°54	18°23	8°24	17°18	22°19	5°36	3°20	2°37	9°44	8° 4	S 9
M10	13 35 40	25°38'55	14°27	7°57	24°28	21°21	18°21	8°25	17°21	22°19	5°37	3°19	2°33	9°51	8° 7	M10
T 11	13 39 36	26°37'07	28°36	9°55	25°40	21°48	18°18	8°26	17°25	22°20	5°38	3°D18	2°30	9°57	8°11	T 11
W12	13 43 33	27°35'17	12♒49	11°51	26°53	22°16	18°16	8°27	17°28	22°20	5°40	3°19	2°27	10° 4	8°14	W12
T 13	13 47 29	28°33'26	27° 5	13°44	28° 5	22°43	18°14	8°27	17°32	22°21	5°41	3°20	2°24	10°11	8°18	T 13
F 14	13 51 26	29°31'33	11♓21	15°34	29°17	23°11	18°11	8°28	17°35	22°21	5°43	3°22	2°21	10°17	8°21	F 14
S 15	13 55 23	0♉29'39	25°33	17°21	0♊30	23°39	18° 8	8°30	17°38	22°22	5°44	3°23	2°17	10°24	8°25	S 15
S 16	13 59 19	1°27'43	9♈39	19° 4	1°42	24° 7	18° 5	8°31	17°42	22°22	5°45	3°R23	2°14	10°31	8°28	S 16
M17	14 3 16	2°25'46	23°35	20°44	2°54	24°35	18° 2	8°32	17°45	22°23	5°46	3°21	2°11	10°37	8°32	M17
T 18	14 7 12	3°23'47	7♉17	22°21	4° 6	25° 4	17°58	8°34	17°48	22°24	5°48	3°19	2° 8	10°44	8°35	T 18
W19	14 11 9	4°21'46	20°43	23°54	5°18	25°33	17°55	8°35	17°52	22°24	5°49	3°15	2° 5	10°51	8°38	W19
T 20	14 15 5	5°19'44	3♊50	25°23	6°30	26° 1	17°51	8°37	17°55	22°25	5°50	3° 9	2° 2	10°58	8°42	T 20
F 21	14 19 2	6°17'40	16°40	26°49	7°42	26°30	17°47	8°39	17°58	22°26	5°52	3° 4	1°58	11° 4	8°45	F 21
S 22	14 22 58	7°15'35	29°11	28°10	8°53	27° 0	17°43	8°40	18° 2	22°27	5°53	2°59	1°55	11°11	8°49	S 22
S 23	14 26 55	8°13'28	11♋27	29°28	10° 5	27°29	17°39	8°42	18° 5	22°28	5°54	2°55	1°52	11°18	8°52	S 23
M24	14 30 52	9°11'19	23°30	0♊42	11°17	27°58	17°35	8°44	18° 8	22°28	5°55	2°52	1°49	11°24	8°55	M24
T 25	14 34 48	10° 9'08	5♌25	1°51	12°29	28°28	17°30	8°47	18°12	22°29	5°57	2°D51	1°46	11°31	8°58	T 25
W26	14 38 45	11° 6'55	17°16	2°57	13°40	28°58	17°25	8°49	18°15	22°30	5°58	2°51	1°43	11°38	9° 2	W26
T 27	14 42 41	12° 4'41	29° 8	3°58	14°52	29°28	17°21	8°51	18°18	22°31	5°59	2°52	1°39	11°44	9° 5	T 27
F 28	14 46 38	13° 2'25	11♍ 7	4°55	16° 3	29°58	17°16	8°54	18°21	22°32	6° 0	2°53	1°36	11°51	9° 8	F 28
S 29	14 50 34	14° 0'07	23°17	5°48	17°14	0♌28	17°10	8°56	18°24	22°33	6° 1	2°55	1°33	11°58	9°11	S 29
S 30	14 54 31	14♉57'47	5♎42	6♊36	18♊26	0♌58	17♐ 5	8♌59	18♈28	22♋34	6♈ 3	2°R55	1♈30	12♌ 4	9♈14	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n40	7n21	1n39	7n13	0s20	16n22	0n24	24n41	2n18	22s29	0n35	19n28	1n16	6n 7	0s35	21n28	0s15	13s15	16s50	1n25	1n13	22n10	5n 8	2n18
S 2	7 3	1 28	0 33	8 11	0 10	16 47	0 27	24 37	2 16	22 29	0 35	19 28	1 15	6 8	0 35	21 28	0 15	13 15	16 50	1 25	1 11	22 8	5 9	2 18
M 3	7 25	4s35	0s36	9 8	0n 1	17 11	0 30	24 32	2 15	22 29	0 35	19 28	1 15	6 9	0 35	21 28	0 15	13 14	16 50	1 25	1 10	22 5	5 11	2 18
T 4	7 47	10 34	1 45	10 6	0 12	17 35	0 33	24 28	2 14	22 29	0 35	19 28	1 15	6 11	0 35	21 28	0 15	13 14	16 50	1 25	1 9	22 3	5 12	2 17
W 5	8 9	16 14	2 49	11 2	0 23	17 58	0 35	24 23	2 13	22 29	0 34	19 28	1 15	6 12	0 35	21 28	0 15	13 13	16 50	1 24	1 8	22 1	5 13	2 17
T 6	8 31	21 15	3 46	11 57	0 33	18 21	0 38	24 18	2 12	22 29	0 34	19 28	1 15	6 13	0 35	21 28	0 15	13 13	16 50	1 23	1 6	21 58	5 15	2 17
F 7	8 53	25 15	4 31	12 52	0 44	18 43	0 41	24 13	2 11	22 29	0 34	19 28	1 15	6 15	0 35	21 28	0 15	13 12	16 50	1 22	1 5	21 56	5 16	2 17
S 8	9 15	27 52	5 1	13 44	0 55	19 5	0 44	24 7	2 9	22 29	0 34	19 28	1 15	6 16	0 35	21 28	0 15	13 12	16 50	1 21	1 4	21 54	5 18	2 17
S 9	9 36	28 48	5 14	14 36	1 5	19 26	0 47	24 2	2 8	22 29	0 34	19 28	1 15	6 17	0 35	21 28	0 15	13 11	16 50	1 20	1 3	21 51	5 19	2 17
M10	9 58	27 53	5 9	15 25	1 15	19 47	0 49	23 57	2 7	22 28	0 34	19 27	1 15	6 19	0 35	21 28	0 15	13 11	16 50	1 19	1 1	21 49	5 20	2 17
T 11	10 19	25 11	4 45	16 12	1 25	20 7	0 52	23 51	2 6	22 28	0 34	19 27	1 15	6 20	0 35	21 27	0 15	13 11	16 50	1 19	1 0	21 47	5 22	2 17
W12	10 40	20 56	4 3	16 58	1 34	20 27	0 55	23 46	2 5	22 28	0 34	19 27	1 15	6 21	0 35	21 27	0 15	13 10	16 51	1 20	0 59	21 44	5 23	2 17
T 13	11 1	15 27	3 6	17 41	1 43	20 46	0 58	23 40	2 4	22 28	0 34	19 27	1 15	6 23	0 35	21 27	0 15	13 10	16 51	1 20	0 57	21 42	5 24	2 17
F 14	11 22	9 10	1 58	18 21	1 51	21 5	1 0	23 34	2 3	22 28	0 34	19 26	1 15	6 24	0 35	21 27	0 15	13 9	16 51	1 21	0 56	21 39	5 26	2 17
S 15	11 42	2 26	0 43	19 0	1 59	21 23	1 3	23 28	2 2	22 28	0 34	19 26	1 15	6 25	0 35	21 27	0 15	13 9	16 51	1 21	0 55	21 37	5 27	2 17
S 16	12 2	4n22	0n34	19 35	2 6	21 40	1 6	23 22	2 1	22 27	0 34	19 26	1 15	6 27	0 35	21 27	0 15	13 9	16 51	1 21	0 54	21 35	5 28	2 17
M17	12 23	10 53	1 48	20 9	2 12	21 57	1 8	23 16	1 59	22 27	0 34	19 25	1 15	6 28	0 35	21 27	0 15	13 8	16 51	1 20	0 52	21 32	5 30	2 17
T 18	12 43	16 46	2 55	20 40	2 17	22 14	1 11	23 10	1 58	22 27	0 34	19 25	1 15	6 29	0 35	21 27	0 15	13 8	16 51	1 19	0 51	21 30	5 31	2 17
W19	13 2	21 43	3 50	21 8	2 22	22 30	1 13	23 4	1 57	22 26	0 34	19 24	1 15	6 30	0 35	21 27	0 15	13 8	16 52	1 18	0 50	21 27	5 32	2 17
T 20	13 22	25 28	4 32	21 34	2 26	22 45	1 16	22 57	1 56	22 26	0 34	19 24	1 15	6 32	0 35	21 27	0 14	13 7	16 52	1 16	0 49	21 25	5 34	2 17
F 21	13 41	27 50	4 59	21 57	2 29	22 59	1 18	22 51	1 55	22 26	0 34	19 23	1 15	6 33	0 35	21 27	0 14	13 7	16 52	1 14	0 47	21 23	5 35	2 17
S 22	14 0	28 44	5 11	22 18	2 31	23 13	1 21	22 44	1 54	22 26	0 34	19 23	1 15	6 34	0 35	21 27	0 14	13 7	16 52	1 11	0 46	21 20	5 36	2 17
S 23	14 19	28 11	5 8	22 36	2 32	23 27	1 23	22 37	1 53	22 25	0 34	19 22	1 14	6 35	0 35	21 26	0 14	13 6	16 52	1 10	0 45	21 18	5 38	2 17
M24	14 38	26 17	4 52	22 53	2 32	23 39	1 25	22 30	1 52	22 25	0 34	19 22	1 14	6 37	0 35	21 26	0 14	13 6	16 52	1 9	0 44	21 15	5 39	2 17
T 25	14 56	23 15	4 23	23 6	2 31	23 51	1 28	22 23	1 51	22 24	0 34	19 21	1 14	6 38	0 35	21 26	0 14	13 6	16 53	1 8	0 42	21 13	5 40	2 17
W26	15 14	19 16	3 43	23 18	2 30	24 3	1 30	22 16	1 50	22 24	0 34	19 20	1 14	6 39	0 35	21 26	0 14	13 5	16 53	1 8	0 41	21 10	5 42	2 17
T 27	15 32	14 32	2 53	23 28	2 27	24 13	1 32	22 9	1 49	22 24	0 34	19 20	1 14	6 40	0 35	21 26	0 14	13 5	16 53	1 9	0 40	21 8	5 43	2 17
F 28	15 50	9 13	1 56	23 35	2 24	24 23	1 34	22 1	1 48	22 23	0 34	19 19	1 14	6 42	0 35	21 26	0 14	13 5	16 53	1 9	0 38	21 6	5 44	2 17
S 29	16 7	3 28	0 52	23 40	2 19	24 33	1 36	21 54	1 47	22 23	0 34	19 18	1 14	6 43	0 35	21 26	0 14	13 4	16 53	1 10	0 37	21 3	5 45	2 17
S 30	16n24	2s30	0s15	23n43	2n14	24n41	1n38	21n46	1n46	22s22	0n33	19n18	1n14	6n44	0s35	21n25	0s14	13s 4	16s54	1n10	0n36	21n 1	5n47	2n17

Julian Day Number = 2120731.5, Delta T = 18m01s
Ecliptic obliquity = 23°33'34, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°06'49, Lahiri = 11°13'49 Julian Calendar 1 Apr. 1094 == Greg. Calendar 7 Apr. 1094

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1094
geocentric

MAY 1094 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 58 27	15♉55'26	18♎25	7♊20	19♊37	1♌29	17°R 0	9♌ 2	18♈31	22♋35	6♈ 4	2°R54	1♈27	12♌11	9♈17	M 1
T 2	15 2 24	16°53'04	1♏29	7°59	20°48	1°59	16♐54	9° 4	18°34	22°36	6° 5	2♈51	1°23	12°18	9°20	T 2
W 3	15 6 20	17°50'41	14°53	8°34	21°59	2°30	16°48	9° 7	18°37	22°38	6° 6	2°46	1°20	12°24	9°24	W 3
T 4	15 10 17	18°48'16	28°36	9° 4	23°10	3° 1	16°43	9°10	18°40	22°39	6° 7	2°39	1°17	12°31	9°27	T 4
F 5	15 14 14	19°45'50	12♐35	9°30	24°21	3°32	16°37	9°14	18°43	22°40	6° 8	2°32	1°14	12°38	9°30	F 5
S 6	15 18 10	20°43'23	26°45	9°51	25°32	4° 3	16°31	9°17	18°46	22°41	6° 9	2°24	1°11	12°45	9°32	S 6
S 7	15 22 7	21°40'55	11♑ 2	10° 7	26°43	4°34	16°24	9°20	18°49	22°42	6°10	2°18	1° 8	12°51	9°35	S 7
M 8	15 26 3	22°38'26	25°21	10°18	27°54	5° 6	16°18	9°23	18°52	22°44	6°11	2°13	1° 4	12°58	9°38	M 8
T 9	15 30 0	23°35'56	9♒38	10°25	29° 4	5°37	16°12	9°27	18°55	22°45	6°12	2°10	1° 1	13° 5	9°41	T 9
W10	15 33 56	24°33'25	23°51	10°R27	0♋15	6° 9	16° 5	9°30	18°58	22°46	6°13	2°D 9	0°58	13°11	9°44	W10
T 11	15 37 53	25°30'53	7♓56	10°25	1°25	6°41	15°58	9°34	19° 1	22°48	6°14	2°10	0°55	13°18	9°47	T 11
F 12	15 41 50	26°28'21	21°54	10°18	2°36	7°12	15°52	9°38	19° 4	22°49	6°15	2°11	0°52	13°25	9°50	F 12
S 13	15 45 46	27°25'48	5♈43	10° 6	3°46	7°44	15°45	9°42	19° 7	22°50	6°16	2°R11	0°49	13°31	9°52	S 13
S 14	15 49 43	28°23'14	19°24	9°51	4°56	8°16	15°38	9°46	19°10	22°52	6°17	2°10	0°45	13°38	9°55	S 14
M15	15 53 39	29°20'39	2♉54	9°32	6° 7	8°49	15°31	9°50	19°13	22°53	6°18	2° 6	0°42	13°45	9°58	M15
T 16	15 57 36	0♊18'04	16°13	9°10	7°17	9°21	15°24	9°54	19°16	22°55	6°19	2° 0	0°39	13°51	10° 0	T 16
W17	16 1 32	1°15'28	29°20	8°44	8°27	9°53	15°17	9°58	19°18	22°56	6°20	1°52	0°36	13°58	10° 3	W17
T 18	16 5 29	2°12'51	12♊13	8°16	9°37	10°26	15° 9	10° 2	19°21	22°58	6°21	1°42	0°33	14° 5	10° 5	T 18
F 19	16 9 25	3°10'13	24°52	7°46	10°47	10°59	15° 2	10° 7	19°24	22°59	6°22	1°31	0°29	14°12	10° 8	F 19
S 20	16 13 22	4° 7'34	7♋16	7°14	11°56	11°31	14°55	10°11	19°26	23° 1	6°23	1°20	0°26	14°18	10°10	S 20
S 21	16 17 19	5° 4'54	19°28	6°41	13° 6	12° 4	14°47	10°15	19°29	23° 3	6°24	1°11	0°23	14°25	10°13	S 21
M22	16 21 15	6° 2'13	1♌28	6° 7	14°16	12°37	14°40	10°20	19°32	23° 4	6°24	1° 4	0°20	14°32	10°15	M22
T 23	16 25 12	6°59'32	13°22	5°34	15°25	13°10	14°32	10°25	19°34	23° 6	6°25	0°59	0°17	14°38	10°18	T 23
W24	16 29 8	7°56'49	25°12	5° 1	16°35	13°43	14°25	10°29	19°37	23° 8	6°26	0°56	0°14	14°45	10°20	W24
T 25	16 33 5	8°54'05	7♍ 3	4°29	17°44	14°17	14°17	10°34	19°39	23° 9	6°27	0°D55	0°10	14°52	10°22	T 25
F 26	16 37 1	9°51'21	19° 1	3°59	18°53	14°50	14°10	10°39	19°42	23°11	6°28	0°55	0° 7	14°58	10°24	F 26
S 27	16 40 58	10°48'36	1♎11	3°31	20° 2	15°23	14° 2	10°44	19°44	23°13	6°28	0°R56	0° 4	15° 5	10°27	S 27
S 28	16 44 54	11°45'49	13°38	3° 6	21°11	15°57	13°54	10°49	19°47	23°14	6°29	0°55	0° 1	15°12	10°29	S 28
M29	16 48 51	12°43'02	26°26	2°44	22°20	16°30	13°47	10°54	19°49	23°16	6°30	0°52	29♓58	15°18	10°31	M29
T 30	16 52 48	13°40'15	9♏39	2°25	23°29	17° 4	13°39	10°59	19°52	23°18	6°30	0°48	29°55	15°25	10°33	T 30
W31	16 56 44	14♊37'26	23♏18	2♊10	24♋38	17♌38	13♐31	11♌ 5	19♈54	23♋20	6♈31	0♈40	29♓51	15♌32	10♈35	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n41	8s32	1s23	23n44	2n 8	24n49	1n40	21n38	1n45	22s22	0n33	19n17	1n14	6n45	0s35	21n25	0s14	13s 4	16s54	1n 9	0n35	20n58	5n48	2n17
T 2	16 58	14 22	2 28	23 44	2 0	24 56	1 42	21 30	1 44	22 21	0 33	19 16	1 14	6 46	0 35	21 25	0 14	13 4	16 54	1 8	0 33	20 56	5 49	2 17
W 3	17 14	19 40	3 27	23 41	1 52	25 3	1 44	21 22	1 43	22 21	0 33	19 15	1 14	6 48	0 35	21 25	0 14	13 3	16 54	1 6	0 32	20 53	5 50	2 17
T 4	17 30	24 5	4 15	23 37	1 43	25 9	1 46	21 14	1 42	22 20	0 33	19 14	1 14	6 49	0 35	21 25	0 14	13 3	16 55	1 4	0 31	20 51	5 52	2 17
F 5	17 46	27 11	4 49	23 31	1 32	25 14	1 48	21 6	1 41	22 20	0 33	19 13	1 14	6 50	0 35	21 25	0 14	13 3	16 55	1 1	0 30	20 48	5 53	2 17
S 6	18 1	28 37	5 6	23 23	1 21	25 19	1 50	20 58	1 40	22 19	0 33	19 13	1 14	6 51	0 35	21 24	0 14	13 3	16 55	0 58	0 28	20 46	5 54	2 17
S 7	18 17	28 8	5 4	23 13	1 9	25 22	1 51	20 49	1 39	22 19	0 33	19 12	1 14	6 52	0 35	21 24	0 14	13 3	16 55	0 55	0 27	20 43	5 55	2 17
M 8	18 31	25 48	4 43	23 2	0 56	25 25	1 53	20 41	1 38	22 18	0 33	19 11	1 14	6 53	0 35	21 24	0 14	13 2	16 56	0 53	0 26	20 41	5 56	2 17
T 9	18 46	21 51	4 4	22 49	0 43	25 28	1 54	20 32	1 37	22 18	0 33	19 10	1 14	6 54	0 35	21 24	0 14	13 2	16 56	0 52	0 24	20 38	5 57	2 17
W10	19 0	16 38	3 11	22 35	0 28	25 29	1 56	20 23	1 37	22 17	0 33	19 9	1 14	6 56	0 35	21 24	0 14	13 2	16 56	0 52	0 23	20 36	5 59	2 17
T 11	19 14	10 35	2 6	22 20	0 13	25 30	1 57	20 14	1 36	22 17	0 33	19 8	1 14	6 57	0 35	21 23	0 14	13 2	16 56	0 52	0 22	20 33	6 0	2 17
F 12	19 28	4 4	0 55	22 3	0s 3	25 30	1 58	20 5	1 35	22 16	0 33	19 7	1 14	6 58	0 35	21 23	0 14	13 2	16 57	0 52	0 21	20 31	6 1	2 17
S 13	19 41	2n34	0n19	21 45	0 19	25 30	2 0	19 56	1 34	22 15	0 32	19 5	1 14	6 59	0 35	21 23	0 14	13 2	16 57	0 52	0 19	20 28	6 2	2 17
S 14	19 54	9 2	1 31	21 27	0 36	25 29	2 1	19 47	1 33	22 15	0 32	19 4	1 13	7 0	0 35	21 23	0 14	13 2	16 57	0 52	0 18	20 26	6 3	2 17
M15	20 7	14 59	2 37	21 7	0 53	25 27	2 2	19 38	1 32	22 14	0 32	19 3	1 13	7 1	0 35	21 23	0 14	13 1	16 57	0 50	0 17	20 23	6 4	2 17
T 16	20 19	20 10	3 33	20 46	1 10	25 24	2 3	19 28	1 31	22 13	0 32	19 2	1 13	7 2	0 35	21 22	0 14	13 1	16 58	0 48	0 16	20 21	6 5	2 17
W17	20 31	24 17	4 17	20 26	1 28	25 21	2 4	19 18	1 30	22 13	0 32	19 1	1 13	7 3	0 35	21 22	0 14	13 1	16 58	0 45	0 14	20 18	6 6	2 17
T 18	20 42	27 6	4 46	20 4	1 45	25 16	2 4	19 9	1 29	22 12	0 32	19 0	1 13	7 4	0 35	21 22	0 14	13 1	16 58	0 41	0 13	20 15	6 7	2 18
F 19	20 54	28 29	5 1	19 43	2 2	25 12	2 5	18 59	1 28	22 11	0 32	18 59	1 13	7 5	0 35	21 22	0 14	13 1	16 59	0 36	0 12	20 13	6 8	2 18
S 20	21 5	28 23	5 2	19 21	2 18	25 6	2 6	18 49	1 28	22 11	0 32	18 57	1 13	7 6	0 35	21 21	0 14	13 1	16 59	0 32	0 11	20 10	6 9	2 18
S 21	21 15	26 54	4 48	19 0	2 34	25 0	2 6	18 39	1 27	22 10	0 32	18 56	1 13	7 7	0 35	21 21	0 14	13 1	16 59	0 28	0 9	20 8	6 10	2 18
M22	21 25	24 11	4 22	18 40	2 49	24 53	2 7	18 29	1 26	22 9	0 32	18 55	1 13	7 8	0 35	21 21	0 14	13 1	16 59	0 25	0 8	20 5	6 11	2 18
T 23	21 35	20 29	3 45	18 20	3 3	24 46	2 7	18 18	1 25	22 8	0 31	18 53	1 13	7 9	0 35	21 21	0 14	13 1	17 0	0 23	0 7	20 3	6 12	2 18
W24	21 45	15 59	2 58	18 1	3 17	24 38	2 7	18 8	1 24	22 8	0 31	18 52	1 13	7 10	0 35	21 20	0 14	13 1	17 0	0 22	0 5	20 0	6 13	2 18
T 25	21 54	10 53	2 4	17 43	3 29	24 29	2 7	17 57	1 23	22 7	0 31	18 51	1 13	7 11	0 35	21 20	0 14	13 1	17 0	0 22	0 4	19 57	6 14	2 18
F 26	22 2	5 20	1 3	17 27	3 40	24 19	2 7	17 47	1 22	22 6	0 31	18 49	1 13	7 12	0 35	21 20	0 14	13 1	17 1	0 22	0 3	19 55	6 15	2 18
S 27	22 11	0s30	0s 1	17 12	3 50	24 9	2 7	17 36	1 21	22 5	0 31	18 48	1 13	7 13	0 35	21 19	0 14	13 1	17 1	0 22	0 2	19 52	6 16	2 18
S 28	22 19	6 26	1 7	16 59	3 58	23 58	2 7	17 25	1 21	22 4	0 31	18 47	1 13	7 14	0 35	21 19	0 14	13 1	17 1	0 22	0 0	19 50	6 17	2 18
M29	22 26	12 17	2 11	16 48	4 5	23 47	2 7	17 14	1 20	22 4	0 31	18 45	1 13	7 15	0 35	21 19	0 14	13 1	17 2	0 21	0s 1	19 47	6 18	2 18
T 30	22 33	17 47	3 10	16 39	4 11	23 35	2 7	17 3	1 19	22 3	0 30	18 44	1 13	7 16	0 35	21 19	0 14	13 1	17 2	0 19	0 2	19 44	6 19	2 18
W31	22n40	22s33	4s 0	16n32	4s15	23n22	2n 6	16n52	1n18	22s 2	0n30	18n42	1n13	7n16	0s35	21n18	0s14	13s 1	17s 2	0n16	0s 3	19n42	6n19	2n18

Julian Day Number = 2120761.5, Delta T = 18m01s
Ecliptic obliquity = 23°33'33, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°06'53, Lahiri = 11°13'53 Julian Calendar 1 May 1094 == Greg. Calendar 7 May 1094

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1094
geocentric

JUNE 1094 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 0 41	15♊34'38	7♐20	2°R 0	25♋46	18♌12	13°R24	11♌10	19♈56	23♋22	6♈32	0°R31	29♓48	15♌38	10♈37	T 1
F 2	17 4 37	16°31'49	21°43	1♊53	26°55	18°46	13♐16	11°15	19°58	23°24	6°32	0♈20	29°45	15°45	10°39	F 2
S 3	17 8 34	17°28'59	6♑20	1°D51	28° 3	19°20	13° 8	11°21	20° 1	23°25	6°33	0° 9	29°42	15°52	10°41	S 3
S 4	17 12 30	18°26'10	21° 3	1°54	29°11	19°54	13° 1	11°26	20° 3	23°27	6°34	29♓59	29°39	15°58	10°43	S 4
M 5	17 16 27	19°23'20	5♒44	2° 2	0♌19	20°28	12°53	11°32	20° 5	23°29	6°34	29°52	29°35	16° 5	10°44	M 5
T 6	17 20 23	20°20'30	20°19	2°14	1°27	21° 3	12°46	11°38	20° 7	23°31	6°35	29°47	29°32	16°12	10°46	T 6
W 7	17 24 20	21°17'40	4♓40	2°31	2°35	21°37	12°38	11°43	20° 9	23°33	6°35	29°45	29°29	16°19	10°48	W 7
T 8	17 28 17	22°14'50	18°47	2°52	3°42	22°11	12°31	11°49	20°11	23°35	6°36	29°44	29°26	16°25	10°49	T 8
F 9	17 32 13	23°12'00	2♈38	3°19	4°50	22°46	12°23	11°55	20°13	23°37	6°36	29°44	29°23	16°32	10°51	F 9
S 10	17 36 10	24° 9'10	16°15	3°50	5°57	23°21	12°16	12° 1	20°15	23°39	6°37	29°44	29°20	16°39	10°53	S 10
S 11	17 40 6	25° 6'21	29°37	4°26	7° 5	23°55	12° 9	12° 7	20°17	23°41	6°37	29°41	29°16	16°45	10°54	S 11
M12	17 44 3	26° 3'31	12♉47	5° 7	8°12	24°30	12° 1	12°13	20°19	23°43	6°37	29°36	29°13	16°52	10°55	M12
T 13	17 47 59	27° 0'42	25°45	5°52	9°19	25° 5	11°54	12°19	20°21	23°45	6°38	29°29	29°10	16°59	10°57	T 13
W14	17 51 56	27°57'53	8♊32	6°42	10°26	25°40	11°47	12°25	20°22	23°47	6°38	29°18	29° 7	17° 5	10°58	W14
T 15	17 55 53	28°55'05	21° 7	7°36	11°32	26°15	11°40	12°31	20°24	23°49	6°39	29° 6	29° 4	17°12	11° 0	T 15
F 16	17 59 49	29°52'16	3♋32	8°35	12°39	26°50	11°33	12°37	20°26	23°51	6°39	28°52	29° 1	17°19	11° 1	F 16
S 17	18 3 46	0♋49'27	15°45	9°38	13°45	27°26	11°26	12°44	20°27	23°53	6°39	28°39	28°57	17°25	11° 2	S 17
S 18	18 7 42	1°46'39	27°49	10°45	14°51	28° 1	11°19	12°50	20°29	23°55	6°40	28°27	28°54	17°32	11° 3	S 18
M19	18 11 39	2°43'50	9♌45	11°57	15°58	28°36	11°13	12°56	20°31	23°57	6°40	28°18	28°51	17°39	11° 4	M19
T 20	18 15 35	3°41'02	21°36	13°12	17° 3	29°12	11° 6	13° 3	20°32	23°59	6°40	28°11	28°48	17°45	11° 5	T 20
W21	18 19 32	4°38'13	3♍23	14°32	18° 9	29°47	10°59	13° 9	20°34	24° 2	6°40	28° 6	28°45	17°52	11° 6	W21
T 22	18 23 28	5°35'24	15°13	15°56	19°15	0♍23	10°53	13°16	20°35	24° 4	6°40	28° 4	28°41	17°59	11° 7	T 22
F 23	18 27 25	6°32'36	27° 9	17°24	20°20	0°59	10°47	13°22	20°36	24° 6	6°41	28°D 4	28°38	18° 5	11° 8	F 23
S 24	18 31 22	7°29'47	9♎18	18°56	21°25	1°35	10°41	13°29	20°38	24° 8	6°41	28°R 4	28°35	18°12	11° 9	S 24
S 25	18 35 18	8°26'59	21°43	20°32	22°30	2°10	10°35	13°36	20°39	24°10	6°41	28° 3	28°32	18°19	11°10	S 25
M26	18 39 15	9°24'10	4♏31	22°11	23°35	2°46	10°29	13°42	20°40	24°12	6°41	28° 1	28°29	18°25	11°11	M26
T 27	18 43 11	10°21'22	17°45	23°54	24°39	3°22	10°23	13°49	20°41	24°14	6°41	27°57	28°26	18°32	11°11	T 27
W28	18 47 8	11°18'34	1♐28	25°40	25°43	3°58	10°17	13°56	20°43	24°17	6°41	27°50	28°22	18°39	11°12	W28
T 29	18 51 4	12°15'47	15°39	27°30	26°48	4°35	10°12	14° 3	20°44	24°19	6°41	27°41	28°19	18°46	11°12	T 29
F 30	18 55 1	13♋12'59	0♑15	29♊22	27♌51	5♍11	10♐ 6	14♌ 9	20♈45	24♋21	6♈41	27♓31	28♓16	18♌52	11♈13	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n46	26s12	4s37	16n27	4s18	23n 9	2n 6	16n41	1n17	22s 1	0n30	18n41	1n13	7n17	0s35	21n18	0s14	13s 1	17s 3	0n12	0s 5	19n39	6n20	2n18
F 2	22 52	28 15	4 58	16 24	4 20	22 55	2 5	16 29	1 16	22 0	0 30	18 39	1 13	7 18	0 35	21 18	0 14	13 1	17 3	0 8	0 6	19 36	6 21	2 18
S 3	22 58	28 23	4 59	16 24	4 20	22 41	2 4	16 18	1 16	22 0	0 30	18 38	1 13	7 19	0 35	21 17	0 14	13 1	17 3	0 4	0 7	19 34	6 22	2 18
S 4	23 3	26 32	4 41	16 25	4 19	22 26	2 3	16 6	1 15	21 59	0 30	18 36	1 13	7 20	0 35	21 17	0 14	13 1	17 4	0s 0	0 9	19 31	6 23	2 18
M 5	23 8	22 53	4 5	16 28	4 17	22 11	2 2	15 54	1 14	21 58	0 30	18 35	1 13	7 21	0 35	21 17	0 14	13 1	17 4	0 3	0 10	19 29	6 23	2 18
T 6	23 12	17 50	3 12	16 34	4 14	21 54	2 1	15 42	1 13	21 57	0 29	18 33	1 13	7 21	0 35	21 17	0 14	13 1	17 4	0 5	0 11	19 26	6 24	2 18
W 7	23 16	11 50	2 8	16 41	4 10	21 38	2 0	15 31	1 12	21 56	0 29	18 31	1 13	7 22	0 35	21 16	0 14	13 2	17 5	0 6	0 12	19 23	6 25	2 18
T 8	23 20	5 21	0 58	16 51	4 4	21 21	1 59	15 19	1 11	21 56	0 29	18 30	1 13	7 23	0 35	21 16	0 14	13 2	17 5	0 6	0 14	19 21	6 26	2 18
F 9	23 23	1n17	0n15	17 2	3 58	21 3	1 57	15 6	1 11	21 55	0 29	18 28	1 13	7 24	0 35	21 16	0 14	13 2	17 5	0 6	0 15	19 18	6 26	2 19
S 10	23 26	7 45	1 26	17 14	3 51	20 45	1 56	14 54	1 10	21 54	0 29	18 26	1 13	7 24	0 36	21 15	0 14	13 2	17 6	0 7	0 16	19 15	6 27	2 19
S 11	23 28	13 45	2 31	17 29	3 43	20 26	1 54	14 42	1 9	21 53	0 29	18 25	1 13	7 25	0 36	21 15	0 14	13 2	17 6	0 7	0 17	19 13	6 28	2 19
M12	23 30	19 1	3 26	17 44	3 35	20 7	1 53	14 29	1 8	21 52	0 29	18 23	1 13	7 26	0 36	21 15	0 14	13 2	17 6	0 9	0 19	19 10	6 28	2 19
T 13	23 32	23 20	4 10	18 1	3 25	19 47	1 51	14 17	1 7	21 52	0 28	18 21	1 13	7 26	0 36	21 14	0 14	13 2	17 7	0 13	0 20	19 7	6 29	2 19
W14	23 33	26 27	4 41	18 19	3 15	19 27	1 49	14 4	1 7	21 51	0 28	18 19	1 13	7 27	0 36	21 14	0 14	13 3	17 7	0 17	0 21	19 4	6 29	2 19
T 15	23 33	28 12	4 57	18 39	3 5	19 7	1 47	13 52	1 6	21 50	0 28	18 18	1 13	7 28	0 36	21 14	0 14	13 3	17 8	0 22	0 23	19 2	6 30	2 19
F 16	23 34	28 29	4 59	18 59	2 54	18 46	1 44	13 39	1 5	21 49	0 28	18 16	1 13	7 28	0 36	21 13	0 14	13 3	17 8	0 27	0 24	18 59	6 30	2 19
S 17	23 33	27 22	4 47	19 20	2 43	18 25	1 42	13 26	1 4	21 48	0 28	18 14	1 13	7 29	0 36	21 13	0 13	13 3	17 8	0 32	0 25	18 56	6 31	2 19
S 18	23 33	24 59	4 22	19 41	2 31	18 3	1 40	13 13	1 3	21 48	0 28	18 12	1 13	7 29	0 36	21 13	0 13	13 3	17 9	0 37	0 26	18 54	6 32	2 19
M19	23 32	21 31	3 46	20 3	2 19	17 41	1 37	13 0	1 3	21 47	0 27	18 10	1 13	7 30	0 36	21 12	0 13	13 4	17 9	0 41	0 28	18 51	6 32	2 19
T 20	23 30	17 13	3 0	20 25	2 6	17 18	1 34	12 47	1 2	21 46	0 27	18 9	1 13	7 30	0 36	21 12	0 13	13 4	17 9	0 44	0 29	18 48	6 32	2 19
W21	23 29	12 17	2 7	20 47	1 53	16 55	1 32	12 33	1 1	21 45	0 27	18 7	1 13	7 31	0 36	21 11	0 13	13 4	17 10	0 45	0 30	18 46	6 33	2 19
T 22	23 26	6 53	1 8	21 9	1 41	16 32	1 29	12 20	1 0	21 45	0 27	18 5	1 13	7 32	0 36	21 11	0 13	13 4	17 10	0 46	0 31	18 43	6 33	2 19
F 23	23 24	1 13	0 5	21 30	1 28	16 8	1 26	12 6	1 0	21 44	0 27	18 3	1 13	7 32	0 36	21 11	0 13	13 5	17 10	0 46	0 33	18 40	6 34	2 19
S 24	23 21	4s36	0s59	21 52	1 14	15 44	1 23	11 53	0 59	21 43	0 27	18 1	1 13	7 33	0 36	21 10	0 13	13 5	17 11	0 46	0 34	18 37	6 34	2 19
S 25	23 17	10 23	2 2	22 12	1 1	15 20	1 19	11 39	0 58	21 43	0 26	17 59	1 13	7 33	0 36	21 10	0 13	13 5	17 11	0 47	0 35	18 35	6 35	2 20
M26	23 13	15 55	3 0	22 31	0 48	14 55	1 16	11 26	0 57	21 42	0 26	17 57	1 13	7 33	0 36	21 10	0 13	13 5	17 11	0 48	0 36	18 32	6 35	2 20
T 27	23 9	20 54	3 51	22 49	0 36	14 30	1 12	11 12	0 56	21 41	0 26	17 55	1 13	7 34	0 36	21 9	0 13	13 6	17 12	0 49	0 38	18 29	6 35	2 20
W28	23 4	24 58	4 31	23 6	0 23	14 5	1 9	10 58	0 56	21 41	0 26	17 53	1 13	7 34	0 36	21 9	0 13	13 6	17 12	0 52	0 39	18 26	6 36	2 20
T 29	22 59	27 40	4 55	23 21	0 11	13 40	1 5	10 44	0 55	21 40	0 26	17 51	1 13	7 35	0 36	21 9	0 13	13 6	17 13	0 56	0 40	18 24	6 36	2 20
F 30	22n54	28s35	5s 1	23n35	0n 1	13n14	1n 1	10n30	0n54	21s39	0n25	17n49	1n13	7n35	0s36	21n 8	0s13	13s 7	17s13	1s 0	0s42	18n21	6n36	2n20

Julian Day Number = 2120792.5, Delta T = 18m00s
Ecliptic obliquity = 23°33'33, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°06'57, Lahiri = 11°13'58 Julian Calendar 1 June 1094 == Greg. Calendar 7 June 1094

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1094
geocentric

JULY 1094 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 58 57	14♋10'13	15♉ 9	1♋18	28♌55	5♍47	10°R 1	14♌16	20♈46	24♋23	6°R41	27°R20	28♓13	18♌59	11♈13	S 1
S 2	19 2 54	15° 7'27	0♒13	3°15	29°58	6°23	9♐56	14°23	20°47	24°25	6♈41	27♓11	28°10	19° 6	11°14	S 2
M 3	19 6 51	16° 4'41	15°16	5°15	1♍ 1	7° 0	9°51	14°30	20°48	24°28	6°41	27° 4	28° 7	19°12	11°14	M 3
T 4	19 10 47	17° 1'56	0♓10	7°17	2° 4	7°36	9°46	14°37	20°48	24°30	6°41	26°59	28° 3	19°19	11°15	T 4
W 5	19 14 44	17°59'12	14°48	9°21	3° 7	8°13	9°42	14°44	20°49	24°32	6°41	26°57	28° 0	19°26	11°15	W 5
T 6	19 18 40	18°56'29	29° 5	11°25	4° 9	8°50	9°37	14°51	20°50	24°34	6°41	26°D56	27°57	19°32	11°15	T 6
F 7	19 22 37	19°53'47	13♈ 1	13°31	5°11	9°26	9°33	14°59	20°51	24°36	6°41	26°57	27°54	19°39	11°15	F 7
S 8	19 26 33	20°51'06	26°35	15°37	6°13	10° 3	9°29	15° 6	20°51	24°39	6°41	26°R57	27°51	19°46	11°15	S 8
S 9	19 30 30	21°48'26	9♉50	17°43	7°15	10°40	9°25	15°13	20°52	24°41	6°41	26°55	27°47	19°52	11°R15	S 9
M10	19 34 26	22°45'48	22°48	19°50	8°16	11°17	9°21	15°20	20°53	24°43	6°40	26°52	27°44	19°59	11°15	M10
T 11	19 38 23	23°43'10	5♊31	21°56	9°17	11°54	9°17	15°27	20°53	24°45	6°40	26°45	27°41	20° 6	11°15	T 11
W12	19 42 20	24°40'34	18° 2	24° 2	10°17	12°31	9°14	15°35	20°54	24°48	6°40	26°37	27°38	20°12	11°15	W12
T 13	19 46 16	25°37'58	0♋22	26° 7	11°17	13° 8	9°10	15°42	20°54	24°50	6°40	26°27	27°35	20°19	11°15	T 13
F 14	19 50 13	26°35'24	12°33	28°11	12°17	13°45	9° 7	15°49	20°54	24°52	6°40	26°16	27°32	20°26	11°15	F 14
S 15	19 54 9	27°32'51	24°36	0♌14	13°17	14°23	9° 4	15°57	20°55	24°54	6°39	26° 5	27°28	20°32	11°14	S 15
S 16	19 58 6	28°30'19	6♌32	2°16	14°16	15° 0	9° 2	16° 4	20°55	24°57	6°39	25°55	27°25	20°39	11°14	S 16
M17	20 2 2	29°27'47	18°23	4°17	15°15	15°37	8°59	16°11	20°55	24°59	6°39	25°47	27°22	20°46	11°14	M17
T 18	20 5 59	0♌25'17	0♍11	6°16	16°14	16°15	8°56	16°19	20°55	25° 1	6°38	25°42	27°19	20°52	11°13	T 18
W19	20 9 56	1°22'47	11°59	8°14	17°12	16°52	8°54	16°26	20°56	25° 3	6°38	25°38	27°16	20°59	11°13	W19
T 20	20 13 52	2°20'19	23°49	10°11	18° 9	17°30	8°52	16°34	20°56	25° 5	6°38	25°D37	27°13	21° 6	11°12	T 20
F 21	20 17 49	3°17'51	5♎45	12° 6	19° 7	18° 8	8°50	16°41	20°R56	25° 8	6°37	25°38	27° 9	21°12	11°11	F 21
S 22	20 21 45	4°15'24	17°53	14° 0	20° 3	18°45	8°49	16°48	20°56	25°10	6°37	25°39	27° 6	21°19	11°11	S 22
S 23	20 25 42	5°12'59	0♏17	15°52	21° 0	19°23	8°47	16°56	20°56	25°12	6°36	25°R40	27° 3	21°26	11°10	S 23
M24	20 29 38	6°10'34	13° 2	17°42	21°56	20° 1	8°46	17° 3	20°55	25°14	6°36	25°39	27° 0	21°32	11° 9	M24
T 25	20 33 35	7° 8'10	26°12	19°32	22°51	20°39	8°45	17°11	20°55	25°16	6°35	25°38	26°57	21°39	11° 8	T 25
W26	20 37 31	8° 5'47	9♐50	21°19	23°46	21°17	8°44	17°19	20°55	25°19	6°35	25°34	26°53	21°46	11° 8	W26
T 27	20 41 28	9° 3'26	23°58	23° 6	24°40	21°55	8°43	17°26	20°55	25°21	6°34	25°29	26°50	21°52	11° 7	T 27
F 28	20 45 25	10° 1'05	8♑33	24°50	25°34	22°33	8°42	17°34	20°55	25°23	6°34	25°22	26°47	21°59	11° 6	F 28
S 29	20 49 21	10°58'46	23°31	26°34	26°27	23°12	8°42	17°41	20°54	25°25	6°33	25°16	26°44	22° 6	11° 5	S 29
S 30	20 53 18	11°56'28	8♒42	28°16	27°20	23°50	8°42	17°49	20°54	25°27	6°33	25°10	26°41	22°12	11° 4	S 30
M31	20 57 14	12♌54'11	23♒57	29♌56	28♍12	24♍28	8°D42	17♌56	20♈53	25♋29	6♈32	25♓ 5	26♓38	22♌19	11♈ 2	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n48	27s27	4s47	23n46	0n13	12n48	0n57	10n16	0n53	21s39	0n25	17n47	1n13	7n35	0s36	21n 8	0s13	13s 7	17s13	1s 4	0s43	18n18	6n36	2n20
S 2	22 42	24 20	4 14	23 55	0 24	12 22	0 53	10 2	0 53	21 38	0 25	17 45	1 13	7 36	0 36	21 7	0 13	13 7	17 14	1 7	0 44	18 15	6 37	2 20
M 3	22 35	19 33	3 22	24 2	0 35	11 55	0 49	9 47	0 52	21 38	0 25	17 43	1 13	7 36	0 36	21 7	0 13	13 8	17 14	1 10	0 45	18 13	6 37	2 20
T 4	22 28	13 36	2 17	24 6	0 45	11 29	0 44	9 33	0 51	21 37	0 25	17 41	1 13	7 36	0 36	21 7	0 13	13 8	17 14	1 12	0 47	18 10	6 37	2 20
W 5	22 21	7 0	1 4	24 7	0 54	11 2	0 40	9 19	0 50	21 37	0 25	17 39	1 13	7 37	0 36	21 6	0 13	13 8	17 15	1 13	0 48	18 7	6 37	2 20
T 6	22 13	0 11	0n11	24 6	1 3	10 35	0 35	9 4	0 50	21 36	0 24	17 37	1 13	7 37	0 36	21 6	0 13	13 9	17 15	1 13	0 49	18 4	6 37	2 20
F 7	22 5	6n28	1 24	24 2	1 10	10 8	0 31	8 50	0 49	21 36	0 24	17 35	1 13	7 37	0 36	21 6	0 13	13 9	17 15	1 13	0 50	18 1	6 37	2 20
S 8	21 56	12 39	2 31	23 55	1 18	9 40	0 26	8 35	0 48	21 35	0 24	17 33	1 13	7 37	0 36	21 5	0 13	13 9	17 16	1 13	0 52	17 59	6 37	2 20
S 9	21 47	18 7	3 28	23 46	1 24	9 13	0 21	8 20	0 47	21 35	0 24	17 31	1 13	7 38	0 36	21 5	0 13	13 10	17 16	1 14	0 53	17 56	6 37	2 20
M10	21 38	22 37	4 12	23 34	1 29	8 45	0 16	8 5	0 47	21 34	0 24	17 29	1 13	7 38	0 36	21 4	0 13	13 10	17 16	1 15	0 54	17 53	6 38	2 20
T 11	21 28	25 58	4 43	23 19	1 34	8 18	0 11	7 51	0 46	21 34	0 23	17 27	1 13	7 38	0 36	21 4	0 13	13 11	17 17	1 18	0 56	17 50	6 38	2 21
W12	21 18	28 0	5 0	23 1	1 38	7 50	0 5	7 36	0 45	21 34	0 23	17 24	1 13	7 38	0 36	21 4	0 13	13 11	17 17	1 21	0 57	17 47	6 38	2 21
T 13	21 7	28 36	5 3	22 42	1 41	7 22	0s 0	7 21	0 44	21 33	0 23	17 22	1 13	7 38	0 36	21 3	0 13	13 11	17 18	1 25	0 58	17 45	6 38	2 21
F 14	20 57	27 48	4 52	22 20	1 44	6 54	0 6	7 6	0 44	21 33	0 23	17 20	1 13	7 38	0 36	21 3	0 13	13 12	17 18	1 30	0 59	17 42	6 38	2 21
S 15	20 45	25 42	4 27	21 55	1 46	6 25	0 12	6 50	0 43	21 33	0 23	17 18	1 13	7 38	0 36	21 2	0 13	13 12	17 18	1 34	1 1	17 39	6 37	2 21
S 16	20 34	22 28	3 52	21 29	1 47	5 57	0 17	6 35	0 42	21 33	0 22	17 16	1 13	7 39	0 36	21 2	0 13	13 13	17 19	1 38	1 2	17 36	6 37	2 21
M17	20 22	18 20	3 6	21 1	1 47	5 29	0 23	6 20	0 42	21 32	0 22	17 14	1 13	7 39	0 36	21 2	0 13	13 13	17 19	1 41	1 3	17 33	6 37	2 21
T 18	20 10	13 31	2 12	20 31	1 47	5 1	0 29	6 5	0 41	21 32	0 22	17 11	1 13	7 39	0 36	21 1	0 13	13 14	17 19	1 43	1 4	17 30	6 37	2 21
W19	19 57	8 13	1 13	20 0	1 46	4 32	0 35	5 49	0 40	21 32	0 22	17 9	1 13	7 39	0 36	21 1	0 13	13 14	17 20	1 45	1 6	17 28	6 37	2 21
T 20	19 44	2 37	0 10	19 27	1 44	4 4	0 42	5 34	0 39	21 32	0 22	17 7	1 13	7 39	0 36	21 0	0 13	13 14	17 20	1 45	1 7	17 25	6 37	2 21
F 21	19 31	3s 8	0s54	18 53	1 42	3 36	0 48	5 19	0 39	21 32	0 21	17 5	1 13	7 39	0 36	21 0	0 13	13 15	17 20	1 45	1 8	17 22	6 37	2 21
S 22	19 17	8 51	1 57	18 18	1 40	3 7	0 55	5 3	0 38	21 32	0 21	17 2	1 13	7 39	0 37	21 0	0 13	13 15	17 21	1 44	1 9	17 19	6 36	2 21
S 23	19 4	14 22	2 56	17 42	1 37	2 39	1 1	4 47	0 37	21 32	0 21	17 0	1 13	7 39	0 37	20 59	0 13	13 16	17 21	1 44	1 11	17 16	6 36	2 21
M24	18 49	19 26	3 48	17 5	1 33	2 11	1 8	4 32	0 36	21 32	0 21	16 58	1 13	7 39	0 37	20 59	0 13	13 16	17 21	1 44	1 12	17 13	6 36	2 21
T 25	18 35	23 45	4 29	16 27	1 29	1 42	1 15	4 16	0 36	21 32	0 21	16 56	1 13	7 38	0 37	20 58	0 13	13 17	17 22	1 45	1 13	17 10	6 36	2 21
W26	18 20	26 56	4 57	15 48	1 25	1 14	1 22	4 0	0 35	21 32	0 21	16 53	1 14	7 38	0 37	20 58	0 13	13 17	17 22	1 46	1 15	17 8	6 35	2 21
T 27	18 5	28 33	5 8	15 8	1 20	0 46	1 29	3 45	0 34	21 32	0 20	16 51	1 14	7 38	0 37	20 58	0 13	13 18	17 22	1 48	1 16	17 5	6 35	2 21
F 28	17 49	28 17	5 0	14 29	1 14	0 18	1 36	3 29	0 34	21 32	0 20	16 49	1 14	7 38	0 37	20 57	0 13	13 18	17 22	1 51	1 17	17 2	6 35	2 22
S 29	17 34	25 58	4 32	13 48	1 9	0s10	1 43	3 13	0 33	21 32	0 20	16 47	1 14	7 38	0 37	20 57	0 13	13 19	17 23	1 54	1 18	16 59	6 34	2 22
S 30	17 18	21 47	3 44	13 7	1 3	0 37	1 51	2 57	0 32	21 32	0 20	16 44	1 14	7 38	0 37	20 57	0 13	13 19	17 23	1 56	1 20	16 56	6 34	2 22
M31	17n 1	16s 7	2s40	12n26	0n57	1s 5	1s58	2n41	0n31	21s32	0n20	16n42	1n14	7n38	0s37	20n56	0s13	13s20	17s23	1s58	1s21	16n53	6n34	2n22

Julian Day Number = 2120822.5, Delta T = 18m00s
Ecliptic obliquity = 23°33'32, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°07'01, Lahiri = 11°14'02 Julian Calendar 1 July 1094 == Greg. Calendar 7 July 1094

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1094
geocentric

AUGUST 1094 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 1 11	13♌51'56	9♓ 6	1♍35	29♍ 4	25♍ 7	8♐42	18♌ 4	20°R53	25♋32	6°R31	25°R 2	26♓34	22♌26	11°R 1	T 1
W 2	21 5 7	14°49'42	23°59	3°13	29°54	25°45	8°42	18°12	20♈52	25°34	6♈31	25°D 1	26°31	22°32	11♈ 0	W 2
T 3	21 9 4	15°47'30	8♈31	4°49	0♎44	26°24	8°43	18°19	20°52	25°36	6°30	25♓ 2	26°28	22°39	10°59	T 3
F 4	21 13 0	16°45'20	22°37	6°24	1°34	27° 2	8°43	18°27	20°51	25°38	6°29	25° 3	26°25	22°46	10°57	F 4
S 5	21 16 57	17°43'11	6♉18	7°57	2°23	27°41	8°44	18°34	20°50	25°40	6°29	25° 4	26°22	22°52	10°56	S 5
S 6	21 20 54	18°41'05	19°35	9°30	3°11	28°20	8°45	18°42	20°50	25°42	6°28	25°R 5	26°19	22°59	10°55	S 6
M 7	21 24 50	19°39'00	2♊30	11° 0	3°58	28°59	8°47	18°49	20°49	25°44	6°27	25° 4	26°15	23° 6	10°53	M 7
T 8	21 28 47	20°36'57	15° 6	12°30	4°44	29°37	8°48	18°57	20°48	25°46	6°27	25° 2	26°12	23°12	10°52	T 8
W 9	21 32 43	21°34'56	27°28	13°58	5°30	0♎16	8°50	19° 5	20°47	25°48	6°26	24°58	26° 9	23°19	10°50	W 9
T 10	21 36 40	22°32'57	9♋38	15°24	6°15	0°55	8°52	19°12	20°46	25°50	6°25	24°53	26° 6	23°26	10°49	T 10
F 11	21 40 36	23°31'00	21°39	16°49	6°58	1°34	8°54	19°20	20°45	25°52	6°24	24°47	26° 3	23°32	10°47	F 11
S 12	21 44 33	24°29'04	3♌34	18°13	7°41	2°14	8°56	19°27	20°44	25°54	6°23	24°42	25°59	23°39	10°45	S 12
S 13	21 48 29	25°27'11	15°25	19°35	8°23	2°53	8°58	19°35	20°43	25°56	6°23	24°37	25°56	23°46	10°43	S 13
M14	21 52 26	26°25'19	27°14	20°56	9° 4	3°32	9° 1	19°43	20°42	25°58	6°22	24°33	25°53	23°52	10°42	M14
T 15	21 56 23	27°23'29	9♍ 2	22°15	9°44	4°11	9° 4	19°50	20°41	26° 0	6°21	24°31	25°50	23°59	10°40	T 15
W16	22 0 19	28°21'40	20°52	23°32	10°23	4°51	9° 7	19°58	20°40	26° 2	6°20	24°D30	25°47	24° 6	10°38	W16
T 17	22 4 16	29°19'53	2♎47	24°48	11° 1	5°30	9°10	20° 5	20°38	26° 4	6°19	24°30	25°44	24°12	10°36	T 17
F 18	22 8 12	0♍18'08	14°49	26° 2	11°37	6°10	9°13	20°13	20°37	26° 6	6°18	24°31	25°40	24°19	10°34	F 18
S 19	22 12 9	1°16'24	27° 2	27°15	12°12	6°50	9°16	20°20	20°36	26° 8	6°17	24°33	25°37	24°26	10°32	S 19
S 20	22 16 5	2°14'42	9♏29	28°25	12°46	7°29	9°20	20°28	20°34	26°10	6°16	24°34	25°34	24°32	10°30	S 20
M21	22 20 2	3°13'02	22°14	29°34	13°19	8° 9	9°24	20°35	20°33	26°12	6°16	24°35	25°31	24°39	10°28	M21
T 22	22 23 58	4°11'23	5♐21	0♎40	13°50	8°49	9°28	20°43	20°31	26°14	6°15	24°R36	25°28	24°46	10°26	T 22
W23	22 27 55	5° 9'46	18°52	1°45	14°20	9°29	9°32	20°50	20°30	26°16	6°14	24°35	25°24	24°52	10°24	W23
T 24	22 31 51	6° 8'11	2♑49	2°46	14°48	10° 9	9°36	20°58	20°28	26°17	6°13	24°34	25°21	24°59	10°21	T 24
F 25	22 35 48	7° 6'37	17°12	3°46	15°15	10°49	9°41	21° 5	20°27	26°19	6°12	24°32	25°18	25° 6	10°19	F 25
S 26	22 39 45	8° 5'05	1♒57	4°43	15°40	11°29	9°46	21°12	20°25	26°21	6°11	24°30	25°15	25°12	10°17	S 26
S 27	22 43 41	9° 3'34	17° 0	5°37	16° 4	12° 9	9°50	21°20	20°24	26°23	6°10	24°28	25°12	25°19	10°15	S 27
M28	22 47 38	10° 2'05	2♓11	6°28	16°25	12°49	9°55	21°27	20°22	26°24	6° 9	24°26	25° 9	25°26	10°12	M28
T 29	22 51 34	11° 0'38	17°21	7°16	16°45	13°29	10° 1	21°35	20°20	26°26	6° 8	24°D26	25° 5	25°32	10°10	T 29
W30	22 55 31	11°59'13	2♈20	8° 0	17° 3	14° 9	10° 6	21°42	20°19	26°28	6° 7	24°26	25° 2	25°39	10° 8	W30
T 31	22 59 27	12♍57'50	17♈ 2	8♎40	17♎19	14♎50	10♐11	21♌49	20♈17	26♋29	6♈ 6	24♓26	24♓59	25♌46	10♈ 5	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n45	9s31	1s25	11n45	0n50	1s33	2s 6	2n25	0n31	21s33	0n19	16n40	1n14	7n37	0s37	20n56	0s13	13s20	17s24	1s59	1s22	16n50	6n33	2n22
W 2	16 28	2 29	0 6	11 3	0 44	2 0	2 13	2 9	0 30	21 33	0 19	16 38	1 14	7 37	0 37	20 55	0 13	13 21	17 24	1 59	1 23	16 47	6 33	2 22
T 3	16 11	4n30	1n13	10 21	0 36	2 27	2 21	1 53	0 29	21 33	0 19	16 35	1 14	7 37	0 37	20 55	0 13	13 21	17 24	1 59	1 25	16 44	6 32	2 22
F 4	15 54	11 5	2 25	9 40	0 29	2 54	2 29	1 37	0 29	21 33	0 19	16 33	1 14	7 37	0 37	20 55	0 13	13 22	17 25	1 59	1 26	16 42	6 32	2 22
S 5	15 36	16 55	3 26	8 58	0 22	3 21	2 37	1 21	0 28	21 34	0 19	16 31	1 14	7 36	0 37	20 54	0 13	13 22	17 25	1 58	1 27	16 39	6 31	2 22
S 6	15 18	21 47	4 14	8 16	0 14	3 47	2 45	1 5	0 27	21 34	0 19	16 28	1 14	7 36	0 37	20 54	0 13	13 23	17 25	1 58	1 28	16 36	6 31	2 22
M 7	15 0	25 28	4 48	7 34	0 6	4 14	2 53	0 49	0 27	21 34	0 18	16 26	1 14	7 36	0 37	20 53	0 13	13 23	17 25	1 58	1 30	16 33	6 30	2 22
T 8	14 41	27 48	5 7	6 53	0s 2	4 40	3 1	0 33	0 26	21 35	0 18	16 24	1 14	7 35	0 37	20 53	0 13	13 24	17 26	1 59	1 31	16 30	6 30	2 22
W 9	14 23	28 43	5 11	6 11	0 10	5 6	3 10	0 17	0 25	21 35	0 18	16 21	1 14	7 35	0 37	20 53	0 13	13 25	17 26	2 1	1 32	16 27	6 29	2 22
T 10	14 4	28 13	5 2	5 30	0 18	5 31	3 18	0 0	0 24	21 36	0 18	16 19	1 15	7 35	0 37	20 52	0 13	13 25	17 26	2 3	1 34	16 24	6 29	2 22
F 11	13 45	26 23	4 38	4 49	0 27	5 56	3 27	0s16	0 24	21 36	0 18	16 17	1 15	7 34	0 37	20 52	0 13	13 26	17 26	2 5	1 35	16 21	6 28	2 22
S 12	13 26	23 24	4 3	4 9	0 35	6 21	3 35	0 32	0 23	21 37	0 17	16 14	1 15	7 34	0 37	20 52	0 13	13 26	17 27	2 7	1 36	16 18	6 27	2 22
S 13	13 6	19 27	3 18	3 28	0 44	6 46	3 44	0 49	0 22	21 37	0 17	16 12	1 15	7 33	0 37	20 51	0 13	13 27	17 27	2 9	1 37	16 15	6 27	2 22
M14	12 46	14 45	2 24	2 49	0 52	7 10	3 53	1 5	0 22	21 38	0 17	16 10	1 15	7 33	0 37	20 51	0 13	13 27	17 27	2 10	1 39	16 12	6 26	2 22
T 15	12 26	9 31	1 24	2 9	1 1	7 34	4 1	1 21	0 21	21 38	0 17	16 7	1 15	7 33	0 37	20 51	0 13	13 28	17 27	2 11	1 40	16 9	6 25	2 22
W16	12 6	3 56	0 20	1 31	1 10	7 58	4 10	1 38	0 20	21 39	0 17	16 5	1 15	7 32	0 37	20 50	0 13	13 28	17 28	2 12	1 41	16 6	6 24	2 22
T 17	11 46	1s49	0s46	0 52	1 19	8 21	4 19	1 54	0 20	21 40	0 17	16 3	1 15	7 32	0 37	20 50	0 13	13 29	17 28	2 12	1 42	16 3	6 24	2 22
F 18	11 25	7 33	1 50	0 15	1 27	8 43	4 28	2 10	0 19	21 40	0 16	16 0	1 15	7 31	0 37	20 49	0 13	13 29	17 28	2 11	1 44	16 1	6 23	2 22
S 19	11 5	13 6	2 50	0s22	1 36	9 6	4 37	2 27	0 18	21 41	0 16	15 58	1 15	7 31	0 37	20 49	0 13	13 30	17 28	2 11	1 45	15 58	6 22	2 22
S 20	10 44	18 15	3 43	0 58	1 45	9 27	4 46	2 43	0 17	21 42	0 16	15 56	1 15	7 30	0 37	20 49	0 13	13 31	17 29	2 10	1 46	15 55	6 21	2 22
M21	10 23	22 43	4 27	1 34	1 54	9 48	4 55	2 59	0 17	21 43	0 16	15 54	1 16	7 29	0 37	20 48	0 13	13 31	17 29	2 10	1 47	15 52	6 21	2 22
T 22	10 1	26 11	4 58	2 8	2 2	10 9	5 4	3 16	0 16	21 43	0 16	15 51	1 16	7 29	0 37	20 48	0 13	13 32	17 29	2 9	1 49	15 49	6 20	2 22
W23	9 40	28 18	5 14	2 42	2 11	10 29	5 13	3 32	0 15	21 44	0 16	15 49	1 16	7 28	0 37	20 48	0 13	13 32	17 29	2 10	1 50	15 46	6 19	2 22
T 24	9 18	28 44	5 13	3 14	2 20	10 48	5 22	3 49	0 15	21 45	0 15	15 47	1 16	7 28	0 37	20 47	0 13	13 33	17 29	2 10	1 51	15 43	6 18	2 22
F 25	8 57	27 16	4 52	3 46	2 28	11 7	5 31	4 5	0 14	21 46	0 15	15 44	1 16	7 27	0 37	20 47	0 13	13 33	17 29	2 11	1 53	15 40	6 17	2 22
S 26	8 35	23 54	4 11	4 16	2 36	11 25	5 40	4 21	0 13	21 47	0 15	15 42	1 16	7 27	0 37	20 47	0 13	13 34	17 30	2 12	1 54	15 37	6 16	2 22
S 27	8 13	18 53	3 13	4 45	2 44	11 43	5 49	4 38	0 13	21 47	0 15	15 40	1 16	7 26	0 37	20 46	0 13	13 34	17 30	2 13	1 55	15 34	6 15	2 22
M28	7 51	12 37	2 0	5 12	2 52	11 59	5 58	4 54	0 12	21 48	0 15	15 38	1 16	7 25	0 37	20 46	0 13	13 35	17 30	2 13	1 56	15 31	6 15	2 22
T 29	7 28	5 37	0 39	5 38	2 59	12 15	6 7	5 10	0 11	21 49	0 15	15 35	1 16	7 25	0 37	20 46	0 13	13 35	17 30	2 13	1 58	15 28	6 14	2 22
W30	7 6	1n36	0n44	6 2	3 6	12 30	6 16	5 27	0 11	21 50	0 14	15 33	1 16	7 24	0 37	20 45	0 13	13 36	17 30	2 13	1 59	15 25	6 13	2 22
T 31	6n43	8n36	2n 2	6s25	3s13	12s45	6s25	5s43	0n10	21s51	0n14	15n31	1n17	7n23	0s37	20n45	0s13	13s37	17s30	2s13	2s 0	15n22	6n12	2n22

Julian Day Number = 2120853.5, Delta T = 18m00s
Ecliptic obliquity = 23°33'33, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°07'06, Lahiri = 11°14'06 Julian Calendar 1 Aug. 1094 == Greg. Calendar 7 Aug. 1094

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1094
geocentric

SEPTEMBER 1094 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 3 24	13♍56'30	1♉19	9♎17	17♎33	15♎30	10♐17	21♑56	20°R15	26♋31	6°R 4	24♓27	24♓56	25♑52	10°R 3	F 1
S 2	23 7 20	14°55'11	15°10	9°49	17°46	16°11	10°23	22° 4	20♈13	26°33	6♈ 3	24°28	24°53	25°59	10♈ 0	S 2
S 3	23 11 17	15°53'55	28°34	10°16	17°56	16°51	10°29	22°11	20°11	26°34	6° 2	24°29	24°50	26° 6	9°58	S 3
M 4	23 15 14	16°52'42	11♊33	10°38	18° 3	17°32	10°35	22°18	20° 9	26°36	6° 1	24°R29	24°46	26°12	9°55	M 4
T 5	23 19 10	17°51'30	24°11	10°55	18° 9	18°13	10°41	22°25	20° 7	26°37	6° 0	24°29	24°43	26°19	9°53	T 5
W 6	23 23 7	18°50'21	6♋30	11° 6	18°13	18°54	10°48	22°32	20° 5	26°39	5°59	24°29	24°40	26°26	9°50	W 6
T 7	23 27 3	19°49'15	18°36	11°R11	18°R14	19°34	10°54	22°39	20° 3	26°40	5°58	24°28	24°37	26°32	9°48	T 7
F 8	23 31 0	20°48'10	0♌32	11° 9	18°13	20°15	11° 1	22°46	20° 1	26°42	5°57	24°28	24°34	26°39	9°45	F 8
S 9	23 34 56	21°47'08	12°23	10°59	18° 9	20°56	11° 8	22°53	19°59	26°43	5°56	24°27	24°30	26°46	9°42	S 9
S 10	23 38 53	22°46'08	24°11	10°43	18° 3	21°37	11°15	23° 0	19°57	26°45	5°55	24°27	24°27	26°52	9°40	S 10
M11	23 42 49	23°45'10	6♍ 0	10°19	17°55	22°18	11°22	23° 7	19°55	26°46	5°54	24°27	24°24	26°59	9°37	M11
T 12	23 46 46	24°44'14	17°52	9°47	17°45	23° 0	11°29	23°14	19°53	26°48	5°52	24°27	24°21	27° 6	9°34	T 12
W13	23 50 43	25°43'20	29°49	9° 8	17°32	23°41	11°37	23°21	19°51	26°49	5°51	24°27	24°18	27°12	9°32	W13
T 14	23 54 39	26°42'29	11♎54	8°21	17°16	24°22	11°44	23°28	19°49	26°50	5°50	24°27	24°15	27°19	9°29	T 14
F 15	23 58 36	27°41'39	24° 9	7°28	16°59	25° 3	11°52	23°34	19°46	26°52	5°49	24°27	24°11	27°26	9°26	F 15
S 16	0 2 32	28°40'52	6♏34	6°28	16°39	25°45	12° 0	23°41	19°44	26°53	5°48	24°26	24° 8	27°32	9°23	S 16
S 17	0 6 29	29°40'06	19°12	5°23	16°16	26°26	12° 8	23°48	19°42	26°54	5°47	24°26	24° 5	27°39	9°21	S 17
M18	0 10 25	0♎39'22	2♐ 5	4°15	15°52	27° 8	12°16	23°54	19°40	26°55	5°46	24°25	24° 2	27°46	9°18	M18
T 19	0 14 22	1°38'41	15°15	3° 4	15°26	27°49	12°25	24° 1	19°37	26°56	5°44	24°24	23°59	27°52	9°15	T 19
W20	0 18 18	2°38'01	28°44	1°53	14°58	28°31	12°33	24° 7	19°35	26°58	5°43	24°D24	23°56	27°59	9°12	W20
T 21	0 22 15	3°37'22	12♑32	0°44	14°28	29°13	12°42	24°14	19°33	26°59	5°42	24°24	23°52	28° 6	9° 9	T 21
F 22	0 26 12	4°36'46	26°39	29♍38	13°56	29°55	12°50	24°20	19°30	27° 0	5°41	24°25	23°49	28°12	9° 7	F 22
S 23	0 30 8	5°36'11	11♒ 5	28°38	13°23	0♏37	12°59	24°27	19°28	27° 1	5°40	24°25	23°46	28°19	9° 4	S 23
S 24	0 34 5	6°35'38	25°47	27°45	12°49	1°18	13° 8	24°33	19°25	27° 2	5°39	24°26	23°43	28°26	9° 1	S 24
M25	0 38 1	7°35'07	10♓38	27° 1	12°14	2° 0	13°17	24°39	19°23	27° 3	5°37	24°27	23°40	28°32	8°58	M25
T 26	0 41 58	8°34'38	25°33	26°27	11°38	2°42	13°26	24°46	19°21	27° 4	5°36	24°R27	23°36	28°39	8°55	T 26
W27	0 45 54	9°34'11	10♈24	26° 3	11° 1	3°25	13°35	24°52	19°18	27° 5	5°35	24°27	23°33	28°46	8°53	W27
T 28	0 49 51	10°33'46	25° 2	25°51	10°25	4° 7	13°45	24°58	19°16	27° 6	5°34	24°26	23°30	28°52	8°50	T 28
F 29	0 53 47	11°33'23	9♉22	25°D50	9°48	4°49	13°54	25° 4	19°13	27° 7	5°33	24°24	23°27	28°59	8°47	F 29
S 30	0 57 44	12♎33'02	23♉18	25♍59	9♎12	5♏31	14♐ 4	25♑10	19♈11	27♋ 7	5♈32	24♓21	23♓24	29♑ 6	8♈44	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6n21	14n58	3n11	6s45	3s20	12s58	6s33	5s59	0n 9	21s52	0n14	15n28	1n17	7n23	0s37	20n45	0s13	13s37	17s31	2s13	2s 1	15n19	6n11	2n22
S 2	5 58	20 23	4 6	7 3	3 26	13 10	6 42	6 16	0 9	21 53	0 14	15 26	1 17	7 22	0 37	20 45	0 13	13 38	17 31	2 12	2 3	15 16	6 10	2 22
S 3	5 35	24 35	4 46	7 19	3 31	13 22	6 50	6 32	0 8	21 54	0 14	15 24	1 17	7 21	0 37	20 44	0 13	13 38	17 31	2 12	2 4	15 13	6 9	2 22
M 4	5 12	27 23	5 9	7 32	3 36	13 32	6 58	6 48	0 7	21 55	0 14	15 22	1 17	7 20	0 37	20 44	0 13	13 39	17 31	2 12	2 5	15 10	6 8	2 22
T 5	4 49	28 43	5 17	7 42	3 40	13 42	7 5	7 4	0 7	21 56	0 14	15 20	1 17	7 20	0 37	20 44	0 13	13 39	17 31	2 12	2 6	15 7	6 7	2 22
W 6	4 26	28 34	5 10	7 50	3 43	13 50	7 13	7 21	0 6	21 57	0 13	15 17	1 17	7 19	0 37	20 43	0 13	13 40	17 31	2 12	2 8	15 4	6 6	2 22
T 7	4 3	27 3	4 50	7 53	3 45	13 57	7 20	7 37	0 5	21 58	0 13	15 15	1 17	7 18	0 37	20 43	0 13	13 40	17 31	2 12	2 9	15 1	6 5	2 22
F 8	3 40	24 19	4 17	7 54	3 46	14 3	7 27	7 53	0 5	22 0	0 13	15 13	1 18	7 17	0 37	20 43	0 13	13 41	17 31	2 13	2 10	14 58	6 4	2 22
S 9	3 16	20 35	3 33	7 50	3 46	14 7	7 34	8 9	0 4	22 1	0 13	15 11	1 18	7 16	0 37	20 43	0 13	13 41	17 32	2 13	2 12	14 55	6 3	2 22
S 10	2 53	16 3	2 40	7 42	3 45	14 11	7 40	8 25	0 3	22 2	0 13	15 9	1 18	7 16	0 37	20 42	0 13	13 42	17 32	2 13	2 13	14 51	6 1	2 22
M11	2 30	10 55	1 41	7 30	3 42	14 13	7 45	8 41	0 3	22 3	0 13	15 6	1 18	7 15	0 37	20 42	0 13	13 42	17 32	2 13	2 14	14 48	6 0	2 22
T 12	2 6	5 23	0 37	7 14	3 38	14 13	7 50	8 57	0 2	22 4	0 12	15 4	1 18	7 14	0 37	20 42	0 13	13 43	17 32	2 13	2 15	14 45	5 59	2 22
W13	1 43	0s23	0s30	6 53	3 32	14 13	7 55	9 13	0 1	22 5	0 12	15 2	1 18	7 13	0 37	20 41	0 13	13 43	17 32	2 13	2 17	14 42	5 58	2 22
T 14	1 19	6 12	1 35	6 27	3 24	14 10	7 59	9 29	0 1	22 6	0 12	15 0	1 18	7 12	0 37	20 41	0 13	13 44	17 32	2 13	2 18	14 39	5 57	2 22
F 15	0 55	11 51	2 38	5 56	3 14	14 7	8 3	9 45	0 0	22 8	0 12	14 58	1 19	7 12	0 37	20 41	0 13	13 44	17 32	2 13	2 19	14 36	5 56	2 22
S 16	0 32	17 8	3 33	5 22	3 2	14 2	8 6	10 1	0s 1	22 9	0 12	14 56	1 19	7 11	0 38	20 41	0 13	13 45	17 32	2 13	2 20	14 33	5 55	2 22
S 17	0 8	21 46	4 19	4 43	2 48	13 55	8 8	10 16	0 1	22 10	0 12	14 54	1 19	7 10	0 38	20 41	0 13	13 45	17 32	2 13	2 22	14 30	5 54	2 22
M18	0s16	25 28	4 54	4 2	2 33	13 47	8 9	10 32	0 2	22 11	0 12	14 52	1 19	7 9	0 38	20 40	0 13	13 46	17 32	2 14	2 23	14 27	5 52	2 22
T 19	0 39	27 56	5 13	3 18	2 16	13 37	8 10	10 48	0 3	22 12	0 11	14 50	1 19	7 8	0 38	20 40	0 13	13 46	17 32	2 14	2 24	14 24	5 51	2 22
W20	1 3	28 50	5 16	2 33	1 57	13 26	8 9	11 3	0 3	22 14	0 11	14 48	1 19	7 7	0 38	20 40	0 13	13 47	17 32	2 14	2 25	14 21	5 50	2 22
T 21	1 27	27 58	5 2	1 47	1 38	13 13	8 8	11 19	0 4	22 15	0 11	14 46	1 19	7 6	0 38	20 40	0 13	13 47	17 32	2 14	2 27	14 18	5 49	2 22
F 22	1 51	25 19	4 29	1 2	1 18	12 59	8 7	11 34	0 5	22 16	0 11	14 44	1 20	7 5	0 38	20 39	0 13	13 48	17 32	2 14	2 28	14 15	5 48	2 22
S 23	2 14	21 1	3 38	0 20	0 57	12 43	8 4	11 49	0 5	22 17	0 11	14 42	1 20	7 5	0 38	20 39	0 13	13 48	17 32	2 14	2 29	14 12	5 47	2 22
S 24	2 38	15 23	2 32	0n20	0 37	12 26	8 0	12 5	0 6	22 19	0 11	14 40	1 20	7 4	0 38	20 39	0 13	13 49	17 32	2 13	2 31	14 9	5 46	2 22
M25	3 1	8 47	1 16	0 56	0 16	12 8	7 55	12 20	0 7	22 20	0 11	14 38	1 20	7 3	0 38	20 39	0 13	13 49	17 32	2 13	2 32	14 6	5 44	2 22
T 26	3 25	1 41	0n 6	1 28	0n 3	11 49	7 50	12 35	0 7	22 21	0 10	14 36	1 20	7 2	0 38	20 39	0 13	13 50	17 32	2 13	2 33	14 2	5 43	2 21
W27	3 49	5n28	1 27	1 54	0 21	11 29	7 44	12 50	0 8	22 22	0 10	14 34	1 20	7 1	0 38	20 38	0 13	13 50	17 32	2 13	2 34	13 59	5 42	2 21
T 28	4 12	12 14	2 41	2 14	0 38	11 7	7 36	13 5	0 8	22 24	0 10	14 32	1 21	7 0	0 38	20 38	0 13	13 50	17 32	2 13	2 36	13 56	5 41	2 21
F 29	4 36	18 13	3 44	2 29	0 53	10 45	7 28	13 20	0 9	22 25	0 10	14 30	1 21	6 59	0 38	20 38	0 13	13 51	17 32	2 14	2 37	13 53	5 40	2 21
S 30	4s59	23n 3	4n31	2n38	1n 7	10s23	7s19	13s35	0s10	22s26	0n10	14n28	1n21	6n58	0s38	20n38	0s13	13s51	17s32	2s15	2s38	13n50	5n38	2n21

Julian Day Number = 2120884.5, Delta T = 18m00s
Ecliptic obliquity = 23°33'34, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°07'10, Lahiri = 11°14'10 Julian Calendar 1 Sept. 1094 == Greg. Calendar 7 Sept. 1094

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1094
geocentric

OCTOBER 1094 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 1 41	13♎32'43	6♊49	26♍20	8°R36	6♏14	14♐14	25♌16	19°R 9	27♋ 8	5°R30	24°R19	23♓21	29♌12	8°R41	S 1
M 2	1 5 37	14°32'27	19°54	26°50	8♎ 0	6°56	14°24	25°22	19♈ 6	27° 9	5♈29	24♓16	23°17	29°19	8♈38	M 2
T 3	1 9 34	15°32'13	2♋35	27°29	7°26	7°39	14°33	25°27	19° 4	27°10	5°28	24°15	23°14	29°26	8°36	T 3
W 4	1 13 30	16°32'02	14°57	28°17	6°53	8°21	14°44	25°33	19° 1	27°10	5°27	24°D14	23°11	29°32	8°33	W 4
T 5	1 17 27	17°31'53	27° 3	29°13	6°21	9° 4	14°54	25°39	18°59	27°11	5°26	24°14	23° 8	29°39	8°30	T 5
F 6	1 21 23	18°31'46	8♌58	0♎15	5°51	9°46	15° 4	25°44	18°56	27°12	5°25	24°16	23° 5	29°46	8°27	F 6
S 7	1 25 20	19°31'41	20°47	1°23	5°22	10°29	15°14	25°50	18°54	27°12	5°24	24°17	23° 1	29°52	8°25	S 7
S 8	1 29 16	20°31'38	2♍35	2°36	4°56	11°12	15°25	25°55	18°51	27°13	5°23	24°19	22°58	29°59	8°22	S 8
M 9	1 33 13	21°31'37	14°26	3°54	4°31	11°55	15°35	26° 1	18°49	27°14	5°21	24°21	22°55	0♍ 5	8°19	M 9
T 10	1 37 10	22°31'39	26°23	5°15	4° 9	12°38	15°46	26° 6	18°46	27°14	5°20	24°R21	22°52	0°12	8°16	T 10
W11	1 41 6	23°31'42	8♎30	6°40	3°49	13°21	15°57	26°11	18°44	27°15	5°19	24°20	22°49	0°19	8°14	W11
T 12	1 45 3	24°31'48	20°49	8° 7	3°31	14° 4	16° 8	26°16	18°41	27°15	5°18	24°17	22°46	0°25	8°11	T 12
F 13	1 48 59	25°31'56	3♏20	9°37	3°15	14°47	16°19	26°21	18°39	27°15	5°17	24°14	22°42	0°32	8° 8	F 13
S 14	1 52 56	26°32'05	16° 5	11° 8	3° 2	15°30	16°30	26°26	18°37	27°16	5°16	24° 8	22°39	0°39	8° 6	S 14
S 15	1 56 52	27°32'16	29° 4	12°41	2°52	16°13	16°41	26°31	18°34	27°16	5°15	24° 3	22°36	0°45	8° 3	S 15
M16	2 0 49	28°32'29	12♐15	14°15	2°44	16°57	16°52	26°36	18°32	27°16	5°14	23°57	22°33	0°52	8° 0	M16
T 17	2 4 45	29°32'44	25°39	15°50	2°38	17°40	17° 4	26°41	18°29	27°17	5°13	23°52	22°30	0°59	7°58	T 17
W18	2 8 42	0♏33'00	9♑16	17°26	2°35	18°23	17°15	26°46	18°27	27°17	5°12	23°48	22°27	1° 5	7°55	W18
T 19	2 12 39	1°33'18	23° 4	19° 2	2°D34	19° 7	17°27	26°50	18°25	27°17	5°11	23°46	22°23	1°12	7°53	T 19
F 20	2 16 35	2°33'37	7♒ 3	20°38	2°35	19°50	17°38	26°55	18°22	27°17	5°10	23°D46	22°20	1°19	7°50	F 20
S 21	2 20 32	3°33'58	21°13	22°15	2°39	20°34	17°50	26°59	18°20	27°17	5° 9	23°47	22°17	1°25	7°48	S 21
S 22	2 24 28	4°34'20	5♓31	23°52	2°46	21°18	18° 2	27° 4	18°17	27°18	5° 8	23°49	22°14	1°32	7°45	S 22
M23	2 28 25	5°34'43	19°57	25°29	2°54	22° 1	18°13	27° 8	18°15	27°18	5° 7	23°R50	22°11	1°39	7°43	M23
T 24	2 32 21	6°35'08	4♈25	27° 6	3° 5	22°45	18°25	27°12	18°13	27°18	5° 6	23°49	22° 7	1°45	7°40	T 24
W25	2 36 18	7°35'34	18°53	28°43	3°18	23°29	18°37	27°16	18°11	27°R18	5° 5	23°47	22° 4	1°52	7°38	W25
T 26	2 40 14	8°36'02	3♉13	0♏20	3°33	24°13	18°49	27°20	18° 8	27°18	5° 4	23°42	22° 1	1°59	7°36	T 26
F 27	2 44 11	9°36'32	17°21	1°57	3°50	24°57	19° 2	27°24	18° 6	27°18	5° 3	23°36	21°58	2° 5	7°33	F 27
S 28	2 48 7	10°37'03	1♊11	3°33	4° 9	25°41	19°14	27°28	18° 4	27°17	5° 2	23°28	21°55	2°12	7°31	S 28
S 29	2 52 4	11°37'36	14°40	5°10	4°31	26°25	19°26	27°32	18° 2	27°17	5° 1	23°19	21°52	2°19	7°29	S 29
M30	2 56 1	12°38'11	27°46	6°46	4°54	27° 9	19°38	27°35	17°59	27°17	5° 0	23°11	21°48	2°25	7°27	M30
T 31	2 59 57	13♏38'47	10♋30	8♏22	5♎19	27♏53	19♐51	27♌39	17♈57	27♋17	4♈59	23♓ 4	21♓45	2♍32	7♈25	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s22	26n30	5n 1	2n41	1n20	9s59	7s10	13s50	0s10	22s28	0n10	14n26	1n21	6n57	0s38	20n38	0s13	13s52	17s32	2s16	2s39	13n47	5n37	2n21
M 2	5 46	28 24	5 15	2 39	1 31	9 36	6 59	14 4	0 11	22 29	0 10	14 24	1 21	6 56	0 38	20 38	0 13	13 52	17 32	2 17	2 41	13 44	5 36	2 21
T 3	6 9	28 44	5 12	2 32	1 40	9 12	6 48	14 19	0 12	22 30	0 10	14 23	1 21	6 55	0 38	20 38	0 13	13 52	17 32	2 18	2 42	13 41	5 35	2 21
W 4	6 32	27 36	4 55	2 20	1 48	8 48	6 36	14 33	0 12	22 31	0 9	14 21	1 22	6 54	0 38	20 37	0 13	13 53	17 32	2 18	2 43	13 38	5 34	2 21
T 5	6 55	25 11	4 25	2 3	1 54	8 24	6 24	14 47	0 13	22 33	0 9	14 19	1 22	6 53	0 38	20 37	0 13	13 53	17 32	2 18	2 44	13 34	5 32	2 21
F 6	7 18	21 43	3 44	1 43	1 59	8 0	6 11	15 2	0 13	22 34	0 9	14 17	1 22	6 53	0 37	20 37	0 13	13 53	17 32	2 17	2 46	13 31	5 31	2 21
S 7	7 41	17 23	2 54	1 19	2 3	7 37	5 58	15 16	0 14	22 35	0 9	14 16	1 22	6 52	0 37	20 37	0 13	13 54	17 31	2 17	2 47	13 28	5 30	2 21
S 8	8 3	12 25	1 57	0 52	2 5	7 13	5 44	15 30	0 15	22 37	0 9	14 14	1 22	6 51	0 37	20 37	0 13	13 54	17 31	2 16	2 48	13 25	5 29	2 20
M 9	8 26	6 59	0 54	0 23	2 6	6 51	5 30	15 44	0 15	22 38	0 9	14 12	1 23	6 50	0 37	20 37	0 13	13 55	17 31	2 15	2 49	13 22	5 28	2 20
T 10	8 49	1 16	0s11	0s10	2 7	6 29	5 16	15 58	0 16	22 39	0 9	14 11	1 23	6 49	0 37	20 37	0 13	13 55	17 31	2 15	2 51	13 19	5 27	2 20
W11	9 11	4s34	1 17	0 44	2 6	6 7	5 1	16 11	0 17	22 40	0 9	14 9	1 23	6 48	0 37	20 37	0 13	13 55	17 31	2 16	2 52	13 16	5 25	2 20
T 12	9 33	10 19	2 20	1 19	2 5	5 47	4 47	16 25	0 17	22 42	0 8	14 7	1 23	6 47	0 37	20 37	0 13	13 55	17 31	2 17	2 53	13 13	5 24	2 20
F 13	9 55	15 46	3 17	1 56	2 3	5 27	4 32	16 38	0 18	22 43	0 8	14 6	1 23	6 46	0 37	20 36	0 13	13 56	17 31	2 18	2 55	13 9	5 23	2 20
S 14	10 17	20 39	4 6	2 35	2 1	5 9	4 17	16 51	0 18	22 44	0 8	14 4	1 24	6 45	0 37	20 36	0 13	13 56	17 31	2 20	2 56	13 6	5 22	2 20
S 15	10 39	24 38	4 42	3 14	1 57	4 51	4 3	17 5	0 19	22 45	0 8	14 3	1 24	6 44	0 37	20 36	0 13	13 56	17 30	2 23	2 57	13 3	5 21	2 20
M16	11 1	27 25	5 5	3 54	1 54	4 34	3 48	17 18	0 20	22 47	0 8	14 1	1 24	6 43	0 37	20 36	0 13	13 57	17 30	2 25	2 58	13 0	5 20	2 20
T 17	11 22	28 40	5 11	4 35	1 49	4 19	3 33	17 31	0 20	22 48	0 8	14 0	1 24	6 42	0 37	20 36	0 13	13 57	17 30	2 27	3 0	12 57	5 18	2 19
W18	11 43	28 13	5 0	5 16	1 45	4 4	3 19	17 43	0 21	22 49	0 8	13 59	1 24	6 41	0 37	20 36	0 13	13 57	17 30	2 28	3 1	12 54	5 17	2 19
T 19	12 4	26 2	4 32	5 57	1 40	3 51	3 4	17 56	0 21	22 50	0 8	13 57	1 25	6 41	0 37	20 36	0 13	13 57	17 30	2 29	3 2	12 51	5 16	2 19
F 20	12 25	22 15	3 47	6 38	1 35	3 38	2 50	18 8	0 22	22 51	0 7	13 56	1 25	6 40	0 37	20 36	0 13	13 58	17 30	2 29	3 3	12 47	5 15	2 19
S 21	12 46	17 9	2 48	7 20	1 29	3 27	2 36	18 21	0 23	22 53	0 7	13 54	1 25	6 39	0 37	20 36	0 13	13 58	17 30	2 29	3 5	12 44	5 14	2 19
S 22	13 7	11 3	1 38	8 1	1 23	3 17	2 23	18 33	0 23	22 54	0 7	13 53	1 25	6 38	0 37	20 36	0 13	13 58	17 29	2 28	3 6	12 41	5 13	2 19
M23	13 27	4 19	0 21	8 42	1 17	3 8	2 9	18 45	0 24	22 55	0 7	13 52	1 25	6 37	0 37	20 36	0 13	13 58	17 29	2 28	3 7	12 38	5 12	2 19
T 24	13 47	2n38	0n57	9 23	1 11	3 0	1 56	18 57	0 24	22 56	0 7	13 51	1 26	6 36	0 37	20 36	0 12	13 58	17 29	2 28	3 8	12 35	5 11	2 19
W25	14 7	9 27	2 11	10 4	1 5	2 54	1 43	19 8	0 25	22 57	0 7	13 49	1 26	6 35	0 37	20 36	0 12	13 59	17 29	2 29	3 10	12 32	5 10	2 18
T 26	14 26	15 43	3 17	10 44	0 59	2 48	1 31	19 20	0 26	22 58	0 7	13 48	1 26	6 34	0 37	20 36	0 12	13 59	17 29	2 31	3 11	12 28	5 9	2 18
F 27	14 46	21 4	4 9	11 24	0 52	2 44	1 18	19 31	0 26	23 0	0 7	13 47	1 26	6 34	0 37	20 36	0 12	13 59	17 28	2 33	3 12	12 25	5 8	2 18
S 28	15 5	25 8	4 45	12 3	0 45	2 40	1 6	19 43	0 27	23 1	0 7	13 46	1 26	6 33	0 37	20 36	0 12	13 59	17 28	2 37	3 13	12 22	5 6	2 18
S 29	15 24	27 42	5 4	12 42	0 39	2 38	0 55	19 54	0 27	23 2	0 6	13 45	1 27	6 32	0 37	20 36	0 12	13 59	17 28	2 40	3 15	12 19	5 5	2 18
M30	15 42	28 39	5 6	13 20	0 32	2 37	0 43	20 4	0 28	23 3	0 6	13 44	1 27	6 31	0 37	20 36	0 12	13 59	17 28	2 43	3 16	12 16	5 4	2 18
T 31	16s 1	28n 1	4n53	13s58	0n25	2s37	0s32	20s15	0s29	23s 4	0n 6	13n43	1n27	6n30	0s37	20n36	0s12	14s 0	17s27	2s46	3s17	12n12	5n 3	2n18

Julian Day Number = 2120914.5, Delta T = 17m59s
Ecliptic obliquity = 23°33'33, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°07'14, Lahiri = 11°14'14 Julian Calendar 1 Oct. 1094 == Greg. Calendar 7 Oct. 1094

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1094
geocentric

NOVEMBER 1094 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 3 54	14♏39'26	22♋54	9♏58	5♎45	28♏37	20♐ 3	27♌42	17°R55	27°R17	4°R59	23°R 0	21♓42	2♍39	7°R22	W 1
T 2	3 7 50	15°40'06	5♌ 1	11°33	6°13	29°21	20°16	27°46	17♈53	27♋16	4♈58	22♓57	21°39	2°45	7♈20	T 2
F 3	3 11 47	16°40'47	16°57	13° 9	6°43	0♐ 6	20°28	27°49	17°51	27°16	4°57	22°D56	21°36	2°52	7°18	F 3
S 4	3 15 43	17°41'30	28°46	14°44	7°15	0°50	20°41	27°52	17°49	27°16	4°56	22°57	21°33	2°59	7°16	S 4
S 5	3 19 40	18°42'15	10♍34	16°19	7°48	1°35	20°54	27°55	17°47	27°15	4°55	22°58	21°29	3° 5	7°14	S 5
M 6	3 23 37	19°43'02	22°26	17°54	8°23	2°19	21° 7	27°58	17°45	27°15	4°54	22°R58	21°26	3°12	7°12	M 6
T 7	3 27 33	20°43'50	4♎27	19°29	8°59	3° 4	21°19	28° 1	17°43	27°15	4°54	22°58	21°23	3°18	7°11	T 7
W 8	3 31 30	21°44'39	16°42	21° 3	9°36	3°48	21°32	28° 4	17°41	27°14	4°53	22°55	21°20	3°25	7° 9	W 8
T 9	3 35 26	22°45'30	29°12	22°38	10°15	4°33	21°45	28° 6	17°39	27°14	4°52	22°49	21°17	3°32	7° 7	T 9
F 10	3 39 23	23°46'22	12♏ 1	24°12	10°54	5°18	21°58	28° 9	17°37	27°13	4°52	22°41	21°13	3°38	7° 5	F 10
S 11	3 43 19	24°47'16	25° 7	25°46	11°35	6° 2	22°11	28°12	17°35	27°13	4°51	22°31	21°10	3°45	7° 4	S 11
S 12	3 47 16	25°48'11	8♐31	27°21	12°18	6°47	22°24	28°14	17°34	27°12	4°50	22°20	21° 7	3°52	7° 2	S 12
M13	3 51 12	26°49'07	22° 8	28°55	13° 1	7°32	22°38	28°16	17°32	27°11	4°50	22° 8	21° 4	3°58	7° 0	M13
T 14	3 55 9	27°50'04	5♑57	0♐29	13°45	8°17	22°51	28°18	17°30	27°11	4°49	21°58	21° 1	4° 5	6°59	T 14
W15	3 59 6	28°51'02	19°54	2° 3	14°31	9° 2	23° 4	28°20	17°28	27°10	4°48	21°50	20°58	4°12	6°57	W15
T 16	4 3 2	29°52'01	3♒56	3°37	15°17	9°47	23°17	28°22	17°27	27° 9	4°48	21°45	20°54	4°18	6°56	T 16
F 17	4 6 59	0♐53'00	18° 0	5°11	16° 4	10°32	23°31	28°24	17°25	27° 8	4°47	21°42	20°51	4°25	6°54	F 17
S 18	4 10 55	1°54'00	2♓ 5	6°46	16°53	11°17	23°44	28°26	17°24	27° 8	4°47	21°D42	20°48	4°32	6°53	S 18
S 19	4 14 52	2°55'01	16°10	8°20	17°42	12° 2	23°57	28°27	17°22	27° 7	4°46	21°R42	20°45	4°38	6°52	S 19
M20	4 18 48	3°56'02	0♈14	9°54	18°32	12°48	24°11	28°29	17°21	27° 6	4°45	21°42	20°42	4°45	6°51	M20
T 21	4 22 45	4°57'04	14°17	11°28	19°22	13°33	24°24	28°30	17°19	27° 5	4°45	21°40	20°39	4°52	6°49	T 21
W22	4 26 41	5°58'06	28°17	13° 2	20°14	14°18	24°38	28°32	17°18	27° 4	4°44	21°35	20°35	4°58	6°48	W22
T 23	4 30 38	6°59'09	12♉10	14°37	21° 6	15° 4	24°51	28°33	17°16	27° 3	4°44	21°28	20°32	5° 5	6°47	T 23
F 24	4 34 35	8° 0'13	25°54	16°11	21°59	15°49	25° 5	28°34	17°15	27° 2	4°44	21°18	20°29	5°12	6°46	F 24
S 25	4 38 31	9° 1'17	9♊25	17°45	22°53	16°35	25°19	28°35	17°14	27° 1	4°43	21° 5	20°26	5°18	6°45	S 25
S 26	4 42 28	10° 2'22	22°41	19°20	23°47	17°20	25°32	28°36	17°13	27° 0	4°43	20°52	20°23	5°25	6°44	S 26
M27	4 46 24	11° 3'28	5♋39	20°54	24°42	18° 6	25°46	28°36	17°11	26°59	4°42	20°39	20°19	5°32	6°43	M27
T 28	4 50 21	12° 4'35	18°18	22°29	25°38	18°51	26° 0	28°37	17°10	26°58	4°42	20°28	20°16	5°38	6°42	T 28
W29	4 54 17	13° 5'42	0♌40	24° 3	26°34	19°37	26°13	28°38	17° 9	26°57	4°42	20°19	20°13	5°45	6°42	W29
T 30	4 58 14	14♐ 6'50	12♌47	25♐38	27♎31	20♐23	26♐27	28♌38	17♈ 8	26♋56	4♈41	20♓12	20♓10	5♍51	6♈41	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16s19	25n59	4n27	14s35	0n19	2s37	0s21	20s26	0s29	23s 5	0n 6	13n42	1n27	6n30	0s37	20n36	0s12	14s 0	17s27	2s48	3s18	12n 9	5n 2	2n17
T 2	16 37	22 48	3 49	15 11	0 12	2 39	0 11	20 36	0 30	23 6	0 6	13 41	1 28	6 29	0 37	20 36	0 12	14 0	17 27	2 49	3 20	12 6	5 2	2 17
F 3	16 54	18 43	3 1	15 47	0 5	2 42	0 1	20 46	0 30	23 7	0 6	13 40	1 28	6 28	0 37	20 36	0 12	14 0	17 27	2 49	3 21	12 3	5 1	2 17
S 4	17 12	13 56	2 6	16 22	0s 2	2 45	0n 9	20 56	0 31	23 8	0 6	13 39	1 28	6 27	0 37	20 36	0 12	14 0	17 26	2 49	3 22	12 0	5 0	2 17
S 5	17 29	8 40	1 6	16 56	0 8	2 50	0 18	21 6	0 31	23 9	0 6	13 38	1 28	6 26	0 37	20 37	0 12	14 0	17 26	2 48	3 23	11 56	4 59	2 17
M 6	17 45	3 4	0 3	17 29	0 15	2 55	0 28	21 15	0 32	23 10	0 6	13 37	1 28	6 26	0 37	20 37	0 12	14 0	17 26	2 48	3 25	11 53	4 58	2 17
T 7	18 2	2s43	1s 1	18 2	0 21	3 1	0 36	21 24	0 33	23 11	0 5	13 37	1 29	6 25	0 37	20 37	0 12	14 0	17 26	2 48	3 26	11 50	4 57	2 16
W 8	18 18	8 30	2 3	18 34	0 28	3 8	0 45	21 33	0 33	23 12	0 5	13 36	1 29	6 24	0 37	20 37	0 12	14 0	17 25	2 50	3 27	11 47	4 56	2 16
T 9	18 33	14 4	3 1	19 4	0 34	3 16	0 53	21 42	0 34	23 13	0 5	13 35	1 29	6 24	0 37	20 37	0 12	14 0	17 25	2 52	3 29	11 44	4 55	2 16
F 10	18 49	19 10	3 51	19 34	0 41	3 24	1 1	21 51	0 34	23 14	0 5	13 34	1 29	6 23	0 37	20 37	0 12	14 0	17 25	2 55	3 30	11 40	4 54	2 16
S 11	19 4	23 30	4 29	20 3	0 47	3 33	1 9	22 0	0 35	23 15	0 5	13 34	1 30	6 22	0 37	20 37	0 12	14 0	17 24	2 59	3 31	11 37	4 53	2 16
S 12	19 18	26 40	4 54	20 31	0 53	3 43	1 16	22 8	0 35	23 16	0 5	13 33	1 30	6 22	0 37	20 37	0 12	14 0	17 24	3 3	3 32	11 34	4 53	2 16
M13	19 33	28 22	5 3	20 58	0 59	3 53	1 23	22 16	0 36	23 16	0 5	13 33	1 30	6 21	0 37	20 37	0 12	14 0	17 24	3 8	3 34	11 31	4 52	2 15
T 14	19 47	28 19	4 54	21 24	1 5	4 4	1 30	22 24	0 36	23 17	0 5	13 32	1 30	6 20	0 37	20 38	0 12	14 0	17 24	3 12	3 35	11 27	4 51	2 15
W15	20 0	26 29	4 28	21 49	1 10	4 16	1 37	22 31	0 37	23 18	0 5	13 32	1 31	6 20	0 37	20 38	0 12	14 0	17 23	3 15	3 36	11 24	4 50	2 15
T 16	20 13	23 1	3 45	22 13	1 16	4 28	1 43	22 39	0 37	23 19	0 4	13 31	1 31	6 19	0 37	20 38	0 12	14 0	17 23	3 17	3 37	11 21	4 50	2 15
F 17	20 26	18 11	2 49	22 36	1 21	4 41	1 49	22 46	0 38	23 20	0 4	13 31	1 31	6 18	0 37	20 38	0 12	14 0	17 23	3 18	3 39	11 18	4 49	2 15
S 18	20 39	12 23	1 42	22 58	1 26	4 54	1 55	22 53	0 38	23 20	0 4	13 30	1 31	6 18	0 37	20 38	0 12	14 0	17 22	3 19	3 40	11 15	4 48	2 15
S 19	20 51	5 56	0 29	23 18	1 31	5 7	2 0	22 59	0 39	23 21	0 4	13 30	1 32	6 17	0 37	20 38	0 12	14 0	17 22	3 18	3 41	11 11	4 48	2 14
M20	21 2	0n47	0n45	23 38	1 36	5 22	2 6	23 6	0 40	23 22	0 4	13 30	1 32	6 17	0 37	20 38	0 12	14 0	17 22	3 19	3 42	11 8	4 47	2 14
T 21	21 14	7 27	1 57	23 56	1 41	5 36	2 11	23 12	0 40	23 22	0 4	13 29	1 32	6 16	0 37	20 39	0 12	14 0	17 21	3 19	3 44	11 5	4 46	2 14
W22	21 25	13 44	3 1	24 13	1 45	5 51	2 15	23 18	0 41	23 23	0 4	13 29	1 32	6 16	0 37	20 39	0 12	14 0	17 21	3 21	3 45	11 2	4 46	2 14
T 23	21 35	19 16	3 54	24 28	1 49	6 7	2 20	23 24	0 41	23 24	0 4	13 29	1 33	6 15	0 37	20 39	0 12	14 0	17 21	3 24	3 46	10 58	4 45	2 14
F 24	21 45	23 44	4 32	24 42	1 53	6 23	2 24	23 29	0 42	23 24	0 4	13 29	1 33	6 15	0 37	20 39	0 12	13 59	17 20	3 28	3 47	10 55	4 44	2 13
S 25	21 55	26 49	4 54	24 55	1 56	6 39	2 28	23 35	0 42	23 25	0 4	13 29	1 33	6 14	0 36	20 39	0 12	13 59	17 20	3 33	3 49	10 52	4 44	2 13
S 26	22 4	28 21	5 0	25 7	1 59	6 55	2 32	23 39	0 43	23 26	0 3	13 29	1 33	6 14	0 36	20 40	0 12	13 59	17 20	3 38	3 50	10 49	4 43	2 13
M27	22 13	28 16	4 50	25 17	2 2	7 12	2 36	23 44	0 43	23 26	0 3	13 29	1 34	6 13	0 36	20 40	0 12	13 59	17 19	3 43	3 51	10 45	4 43	2 13
T 28	22 21	26 42	4 26	25 25	2 5	7 29	2 39	23 49	0 44	23 27	0 3	13 29	1 34	6 13	0 36	20 40	0 12	13 59	17 19	3 48	3 52	10 42	4 42	2 13
W29	22 29	23 51	3 50	25 33	2 7	7 47	2 42	23 53	0 44	23 27	0 3	13 29	1 34	6 13	0 36	20 40	0 12	13 59	17 19	3 51	3 54	10 39	4 42	2 13
T 30	22s36	20n 0	3n 4	25s38	2s 9	8s 4	2n45	23s57	0s44	23s28	0n 3	13n29	1n34	6n12	0s36	20n40	0s12	13s58	17s18	3s54	3s55	10n36	4n41	2n12

Julian Day Number = 2120945.5, Delta T = 17m59s
Ecliptic obliquity = 23°33'33, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°07'18, Lahiri = 11°14'19 Julian Calendar 1 Nov. 1094 == Greg. Calendar 7 Nov. 1094

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1094
geocentric

DECEMBER 1094 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 2 10	15♐ 7'59	24♌43	27♐12	28♎29	21♐ 8	26♐41	28♌38	17°R 7	26°R55	4°R41	20°R 9	20♓ 7	5♍58	6°R40	F 1
S 2	5 6 7	16° 9'08	6♍32	28°46	29°27	21°54	26°55	28°38	17♈ 6	26♋54	4♈41	20♓ 7	20° 4	6° 5	6♈40	S 2
S 3	5 10 4	17°10'19	18°19	0♑20	0♏25	22°40	27° 8	28°R39	17° 5	26°52	4°41	20° 7	20° 0	6°11	6°39	S 3
M 4	5 14 0	18°11'29	0♎11	1°54	1°24	23°26	27°22	28°39	17° 4	26°51	4°40	20° 7	19°57	6°18	6°39	M 4
T 5	5 17 57	19°12'41	12°13	3°27	2°24	24°12	27°36	28°38	17° 4	26°50	4°40	20° 6	19°54	6°25	6°38	T 5
W 6	5 21 53	20°13'53	24°29	5° 0	3°24	24°58	27°50	28°38	17° 3	26°49	4°40	20° 2	19°51	6°31	6°38	W 6
T 7	5 25 50	21°15'05	7♏ 6	6°33	4°24	25°44	28° 4	28°38	17° 2	26°47	4°40	19°56	19°48	6°38	6°38	T 7
F 8	5 29 46	22°16'18	20° 4	8° 5	5°25	26°30	28°18	28°37	17° 2	26°46	4°40	19°47	19°45	6°45	6°37	F 8
S 9	5 33 43	23°17'31	3♐26	9°35	6°26	27°16	28°32	28°37	17° 1	26°45	4°40	19°36	19°41	6°51	6°37	S 9
S 10	5 37 39	24°18'45	17°10	11° 5	7°28	28° 2	28°46	28°36	17° 0	26°43	4°40	19°23	19°38	6°58	6°37	S 10
M11	5 41 36	25°19'59	1♑13	12°33	8°30	28°48	29° 0	28°35	17° 0	26°42	4°39	19°10	19°35	7° 5	6°37	M11
T 12	5 45 33	26°21'13	15°30	14° 0	9°32	29°34	29°13	28°34	16°59	26°41	4°39	18°58	19°32	7°11	6°D37	T 12
W13	5 49 29	27°22'27	29°55	15°24	10°35	0♑21	29°27	28°33	16°59	26°39	4°D39	18°49	19°29	7°18	6°37	W13
T 14	5 53 26	28°23'41	14♒21	16°46	11°38	1° 7	29°41	28°32	16°59	26°38	4°39	18°42	19°25	7°25	6°37	T 14
F 15	5 57 22	29°24'54	28°44	18° 5	12°41	1°53	29°55	28°31	16°58	26°36	4°39	18°39	19°22	7°31	6°37	F 15
S 16	6 1 19	0♑26'07	13♓ 0	19°21	13°45	2°40	0♑ 9	28°29	16°58	26°35	4°40	18°D38	19°19	7°38	6°38	S 16
S 17	6 5 15	1°27'19	27° 7	20°33	14°49	3°26	0°23	28°28	16°58	26°33	4°40	18°R38	19°16	7°45	6°38	S 17
M18	6 9 12	2°28'31	11♈ 4	21°39	15°53	4°12	0°37	28°26	16°58	26°32	4°40	18°37	19°13	7°51	6°38	M18
T 19	6 13 9	3°29'43	24°52	22°41	16°58	4°59	0°51	28°25	16°58	26°30	4°40	18°36	19°10	7°58	6°39	T 19
W20	6 17 5	4°30'54	8♉30	23°36	18° 3	5°45	1° 5	28°23	16°D58	26°29	4°40	18°31	19° 6	8° 4	6°39	W20
T 21	6 21 2	5°32'04	21°58	24°25	19° 8	6°32	1°19	28°21	16°58	26°27	4°40	18°24	19° 3	8°11	6°40	T 21
F 22	6 24 58	6°33'14	5♊17	25° 5	20°13	7°18	1°33	28°19	16°58	26°26	4°40	18°15	19° 0	8°18	6°40	F 22
S 23	6 28 55	7°34'24	18°24	25°36	21°19	8° 5	1°47	28°17	16°58	26°24	4°41	18° 3	18°57	8°24	6°41	S 23
S 24	6 32 51	8°35'33	1♋18	25°58	22°25	8°52	2° 1	28°15	16°58	26°23	4°41	17°50	18°54	8°31	6°41	S 24
M25	6 36 48	9°36'42	14° 0	26°R 9	23°31	9°38	2°15	28°13	16°58	26°21	4°41	17°37	18°51	8°38	6°42	M25
T 26	6 40 44	10°37'50	26°27	26° 9	24°38	10°25	2°29	28°10	16°59	26°19	4°41	17°26	18°47	8°44	6°43	T 26
W27	6 44 41	11°38'58	8♌41	25°58	25°44	11°12	2°42	28° 8	16°59	26°18	4°42	17°17	18°44	8°51	6°44	W27
T 28	6 48 38	12°40'05	20°44	25°34	26°51	11°58	2°56	28° 5	16°59	26°16	4°42	17°11	18°41	8°58	6°45	T 28
F 29	6 52 34	13°41'12	2♍37	24°59	27°58	12°45	3°10	28° 2	17° 0	26°15	4°42	17° 8	18°38	9° 4	6°46	F 29
S 30	6 56 31	14°42'18	14°25	24°13	29° 5	13°32	3°24	28° 0	17° 0	26°13	4°43	17°D 6	18°35	9°11	6°47	S 30
S 31	7 0 27	15♑43'24	26♍12	23♑18	0♐13	14♑19	3♑38	27♌57	17♈ 1	26♋11	4♈43	17♓ 7	18♓31	9♍18	6♈48	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s44	15n24	2n10	25s42	2s11	8s22	2n48	24s 1	0s45	23s28	0n 3	13n29	1n35	6n12	0s36	20n41	0s12	13s58	17s18	3s55	3s56	10n32	4n41	2n12
S 2	22 50	10 16	1 11	25 45	2 12	8 40	2 51	24 4	0 45	23 29	0 3	13 29	1 35	6 12	0 36	20 41	0 12	13 58	17 18	3 56	3 57	10 29	4 41	2 12
S 3	22 56	4 47	0 10	25 46	2 12	8 59	2 53	24 7	0 46	23 29	0 3	13 29	1 35	6 11	0 36	20 41	0 12	13 58	17 17	3 56	3 59	10 26	4 40	2 12
M 4	23 2	0s53	0s53	25 45	2 13	9 17	2 55	24 10	0 46	23 29	0 3	13 30	1 35	6 11	0 36	20 41	0 12	13 57	17 17	3 56	4 0	10 23	4 40	2 12
T 5	23 7	6 36	1 54	25 43	2 12	9 36	2 57	24 13	0 47	23 30	0 2	13 30	1 36	6 11	0 36	20 42	0 12	13 57	17 17	3 57	4 1	10 19	4 40	2 11
W 6	23 12	12 11	2 51	25 39	2 11	9 54	2 59	24 15	0 47	23 30	0 2	13 30	1 36	6 10	0 36	20 42	0 12	13 57	17 16	3 58	4 2	10 16	4 39	2 11
T 7	23 16	17 26	3 41	25 34	2 10	10 13	3 0	24 17	0 48	23 30	0 2	13 30	1 36	6 10	0 36	20 42	0 12	13 57	17 16	4 0	4 4	10 13	4 39	2 11
F 8	23 20	22 2	4 21	25 26	2 8	10 32	3 2	24 19	0 48	23 31	0 2	13 31	1 36	6 10	0 36	20 42	0 12	13 56	17 15	4 4	4 5	10 9	4 39	2 11
S 9	23 23	25 40	4 49	25 18	2 5	10 51	3 3	24 20	0 49	23 31	0 2	13 31	1 36	6 10	0 36	20 43	0 12	13 56	17 15	4 8	4 6	10 6	4 38	2 11
S 10	23 26	27 55	5 0	25 7	2 2	11 10	3 4	24 22	0 49	23 31	0 2	13 32	1 37	6 10	0 36	20 43	0 12	13 56	17 15	4 13	4 7	10 3	4 38	2 10
M11	23 29	28 27	4 54	24 55	1 58	11 29	3 5	24 23	0 50	23 31	0 2	13 32	1 37	6 9	0 36	20 43	0 12	13 56	17 14	4 19	4 9	10 0	4 38	2 10
T 12	23 31	27 6	4 29	24 42	1 53	11 48	3 6	24 23	0 50	23 32	0 2	13 33	1 37	6 9	0 36	20 44	0 12	13 55	17 14	4 23	4 10	9 56	4 38	2 10
W13	23 32	23 58	3 47	24 27	1 47	12 7	3 6	24 24	0 50	23 32	0 2	13 33	1 37	6 9	0 36	20 44	0 12	13 55	17 14	4 27	4 11	9 53	4 38	2 10
T 14	23 33	19 19	2 51	24 10	1 41	12 26	3 7	24 24	0 51	23 32	0 2	13 34	1 38	6 9	0 36	20 44	0 12	13 55	17 13	4 29	4 12	9 50	4 37	2 10
F 15	23 33	13 35	1 43	23 52	1 34	12 45	3 7	24 24	0 51	23 32	0 1	13 35	1 38	6 9	0 36	20 44	0 12	13 54	17 13	4 31	4 14	9 46	4 37	2 10
S 16	23 33	7 10	0 30	23 34	1 25	13 4	3 7	24 24	0 52	23 32	0 1	13 35	1 38	6 9	0 36	20 45	0 12	13 54	17 13	4 31	4 15	9 43	4 37	2 9
S 17	23 33	0 28	0n45	23 14	1 16	13 23	3 7	24 23	0 52	23 32	0 1	13 36	1 38	6 9	0 36	20 45	0 12	13 53	17 12	4 31	4 16	9 40	4 37	2 9
M18	23 32	6n11	1 56	22 53	1 5	13 42	3 7	24 22	0 52	23 32	0 1	13 37	1 39	6 9	0 36	20 45	0 12	13 53	17 12	4 31	4 17	9 37	4 37	2 9
T 19	23 31	12 27	2 59	22 32	0 54	14 0	3 7	24 21	0 53	23 32	0 1	13 38	1 39	6 9	0 36	20 46	0 12	13 53	17 11	4 32	4 19	9 33	4 37	2 9
W20	23 29	18 4	3 52	22 10	0 41	14 19	3 6	24 19	0 53	23 32	0 1	13 39	1 39	6 9	0 36	20 46	0 12	13 52	17 11	4 34	4 20	9 30	4 37	2 9
T 21	23 27	22 42	4 31	21 48	0 28	14 37	3 6	24 17	0 54	23 32	0 1	13 39	1 39	6 9	0 36	20 46	0 12	13 52	17 11	4 36	4 21	9 27	4 37	2 8
F 22	23 24	26 6	4 54	21 26	0 13	14 55	3 5	24 15	0 54	23 32	0 1	13 40	1 40	6 9	0 36	20 46	0 12	13 51	17 10	4 40	4 22	9 23	4 37	2 8
S 23	23 20	28 3	5 2	21 5	0n 3	15 13	3 4	24 13	0 54	23 32	0 1	13 41	1 40	6 9	0 36	20 47	0 12	13 51	17 10	4 45	4 24	9 20	4 37	2 8
S 24	23 17	28 27	4 53	20 44	0 20	15 31	3 3	24 10	0 55	23 32	0 1	13 42	1 40	6 9	0 35	20 47	0 12	13 51	17 10	4 50	4 25	9 17	4 37	2 8
M25	23 13	27 18	4 31	20 25	0 37	15 49	3 2	24 7	0 55	23 32	0 1	13 43	1 40	6 9	0 35	20 47	0 12	13 50	17 9	4 55	4 26	9 13	4 38	2 8
T 26	23 8	24 49	3 55	20 7	0 56	16 6	3 1	24 4	0 55	23 32	0 0	13 44	1 41	6 9	0 35	20 48	0 12	13 50	17 9	4 59	4 27	9 10	4 38	2 7
W27	23 3	21 14	3 10	19 51	1 14	16 23	2 59	24 1	0 56	23 32	0 0	13 45	1 41	6 10	0 35	20 48	0 12	13 49	17 8	5 3	4 29	9 7	4 38	2 7
T 28	22 57	16 48	2 16	19 36	1 33	16 40	2 58	23 57	0 56	23 31	0 0	13 47	1 41	6 10	0 35	20 48	0 12	13 49	17 8	5 5	4 30	9 3	4 38	2 7
F 29	22 51	11 47	1 17	19 24	1 52	16 57	2 56	23 53	0 57	23 31	0 0	13 48	1 41	6 10	0 35	20 49	0 12	13 48	17 8	5 7	4 31	9 0	4 38	2 7
S 30	22 45	6 23	0 14	19 15	2 10	17 13	2 55	23 49	0 57	23 31	0 0	13 49	1 41	6 10	0 35	20 49	0 12	13 48	17 7	5 7	4 32	8 57	4 38	2 7
S 31	22s38	0n47	0s49	19s 7	2n27	17s29	2n53	23s44	0s57	23s31	0s 0	13n50	1n42	6n10	0s35	20n49	0s12	13s47	17s 7	5s 7	4s34	8n53	4n39	2n 7

Julian Day Number = 2120975.5, Delta T = 17m59s
Ecliptic obliquity = 23°33'32, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°07'22, Lahiri = 11°14'23 Julian Calendar 1 Dec. 1094 == Greg. Calendar 7 Dec. 1094

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1095
geocentric

JANUARY 1095 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 4 24	16♉44'30	8♎ 3	22°R14	1♐21	15♉ 6	3♉52	27°R54	17♈ 1	26°R10	4♈43	17♓ 7	18♓28	9♍24	6♈49	M 1
T 2	7 8 20	17°45'35	20° 3	21♉ 3	2°28	15°53	4° 5	27♌51	17° 2	26♋ 8	4°44	17°R 8	18°25	9°31	6°50	T 2
W 3	7 12 17	18°46'39	2♏18	19°48	3°36	16°39	4°19	27°48	17° 3	26° 6	4°44	17° 7	18°22	9°38	6°51	W 3
T 4	7 16 13	19°47'43	14°52	18°32	4°45	17°26	4°33	27°45	17° 4	26° 5	4°45	17° 3	18°19	9°44	6°53	T 4
F 5	7 20 10	20°48'47	27°51	17°15	5°53	18°13	4°47	27°41	17° 4	26° 3	4°45	16°58	18°16	9°51	6°54	F 5
S 6	7 24 7	21°49'50	11♐17	16° 1	7° 1	19° 0	5° 0	27°38	17° 5	26° 1	4°46	16°50	18°12	9°57	6°55	S 6
S 7	7 28 3	22°50'52	25° 9	14°52	8°10	19°47	5°14	27°34	17° 6	25°59	4°46	16°42	18° 9	10° 4	6°57	S 7
M 8	7 32 0	23°51'54	9♉26	13°49	9°19	20°34	5°28	27°31	17° 7	25°58	4°47	16°32	18° 6	10°11	6°58	M 8
T 9	7 35 56	24°52'55	24° 3	12°53	10°28	21°21	5°41	27°27	17° 8	25°56	4°48	16°24	18° 3	10°17	7° 0	T 9
W10	7 39 53	25°53'54	8♒52	12° 5	11°37	22° 8	5°55	27°24	17° 9	25°54	4°48	16°17	18° 0	10°24	7° 1	W10
T 11	7 43 49	26°54'53	23°45	11°26	12°46	22°55	6° 8	27°20	17°10	25°53	4°49	16°13	17°57	10°31	7° 3	T 11
F 12	7 47 46	27°55'50	8♓33	10°55	13°55	23°43	6°22	27°16	17°11	25°51	4°50	16°11	17°53	10°37	7° 5	F 12
S 13	7 51 43	28°56'46	23°11	10°33	15° 5	24°30	6°35	27°12	17°13	25°49	4°50	16°D11	17°50	10°44	7° 7	S 13
S 14	7 55 39	29°57'40	7♈34	10°20	16°14	25°17	6°49	27° 8	17°14	25°48	4°51	16°12	17°47	10°51	7° 8	S 14
M15	7 59 36	0♒58'33	21°39	10°D14	17°24	26° 4	7° 2	27° 4	17°15	25°46	4°52	16°13	17°44	10°57	7°10	M15
T 16	8 3 32	1°59'24	5♉27	10°17	18°34	26°51	7°16	27° 0	17°17	25°44	4°52	16°R13	17°41	11° 4	7°12	T 16
W17	8 7 29	3° 0'14	18°57	10°26	19°43	27°38	7°29	26°56	17°18	25°43	4°53	16°12	17°37	11°11	7°14	W17
T 18	8 11 25	4° 1'03	2♊11	10°42	20°53	28°25	7°42	26°52	17°19	25°41	4°54	16° 8	17°34	11°17	7°16	T 18
F 19	8 15 22	5° 1'49	15°10	11° 4	22° 4	29°13	7°55	26°48	17°21	25°39	4°55	16° 3	17°31	11°24	7°18	F 19
S 20	8 19 18	6° 2'35	27°57	11°32	23°14	29°59	8° 9	26°43	17°22	25°38	4°55	15°57	17°28	11°31	7°20	S 20
S 21	8 23 15	7° 3'19	10♋31	12° 5	24°24	0♒47	8°22	26°39	17°24	25°36	4°56	15°49	17°25	11°37	7°22	S 21
M22	8 27 12	8° 4'01	22°53	12°43	25°34	1°34	8°35	26°35	17°26	25°34	4°57	15°42	17°22	11°44	7°25	M22
T 23	8 31 8	9° 4'42	5♌ 6	13°25	26°45	2°22	8°48	26°30	17°27	25°33	4°58	15°36	17°18	11°50	7°27	T 23
W24	8 35 5	10° 5'21	17°10	14°12	27°55	3° 9	9° 1	26°26	17°29	25°31	4°59	15°31	17°15	11°57	7°29	W24
T 25	8 39 1	11° 5'59	29° 5	15° 2	29° 6	3°56	9°14	26°21	17°31	25°29	5° 0	15°28	17°12	12° 4	7°32	T 25
F 26	8 42 58	12° 6'35	10♍55	15°55	0♉17	4°43	9°27	26°16	17°33	25°28	5° 1	15°D26	17° 9	12°10	7°34	F 26
S 27	8 46 54	13° 7'10	22°43	16°51	1°27	5°31	9°39	26°12	17°35	25°26	5° 2	15°26	17° 6	12°17	7°36	S 27
S 28	8 50 51	14° 7'43	4♎30	17°51	2°38	6°18	9°52	26° 7	17°37	25°25	5° 3	15°28	17° 3	12°24	7°39	S 28
M29	8 54 47	15° 8'15	16°21	18°53	3°49	7° 5	10° 5	26° 3	17°38	25°23	5° 4	15°30	16°59	12°30	7°41	M29
T 30	8 58 44	16° 8'46	28°21	19°57	5° 0	7°52	10°18	25°58	17°40	25°21	5° 5	15°31	16°56	12°37	7°44	T 30
W31	9 2 41	17♒ 9'16	10♏34	21♉ 4	6♉11	8♒40	10♉30	25♌53	17♈42	25♋20	5♈ 6	15♓32	16♓53	12♍44	7♈46	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸	☊	☊	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s30	4s53	1s50	19s 2	2n43	17s45	2n51	23s39	0s58	23s30	0s 0	13n51	1n42	6n11	0s35	20n50	0s12	13s47	17s 7	5s 7	4s35	8n50	4n39	2n 6
T 2	22 22	10 27	2 47	18 59	2 58	18 0	2 49	23 34	0 58	23 30	0 0	13 53	1 42	6 11	0 35	20 50	0 12	13 46	17 6	5 6	4 36	8 47	4 39	2 6
W 3	22 14	15 44	3 38	18 58	3 10	18 15	2 47	23 29	0 58	23 30	0 0	13 54	1 42	6 11	0 35	20 50	0 12	13 46	17 6	5 7	4 37	8 43	4 40	2 6
T 4	22 5	20 30	4 20	18 58	3 20	18 30	2 45	23 23	0 58	23 29	0 0	13 55	1 42	6 12	0 35	20 51	0 12	13 45	17 6	5 8	4 39	8 40	4 40	2 6
F 5	21 56	24 28	4 49	19 1	3 27	18 44	2 42	23 17	0 59	23 29	0 1	13 56	1 43	6 12	0 35	20 51	0 12	13 45	17 5	5 10	4 40	8 37	4 40	2 6
S 6	21 47	27 16	5 5	19 5	3 32	18 58	2 40	23 11	0 59	23 29	0 1	13 58	1 43	6 12	0 35	20 51	0 12	13 44	17 5	5 13	4 41	8 33	4 41	2 5
S 7	21 37	28 31	5 3	19 10	3 34	19 11	2 38	23 4	0 59	23 28	0 1	13 59	1 43	6 13	0 35	20 52	0 12	13 44	17 5	5 17	4 42	8 30	4 41	2 5
M 8	21 26	27 55	4 42	19 17	3 35	19 24	2 35	22 57	1 0	23 28	0 1	14 1	1 43	6 13	0 35	20 52	0 12	13 43	17 4	5 20	4 44	8 27	4 42	2 5
T 9	21 16	25 24	4 3	19 24	3 32	19 37	2 32	22 50	1 0	23 27	0 1	14 2	1 43	6 14	0 35	20 52	0 12	13 43	17 4	5 24	4 45	8 23	4 42	2 5
W10	21 4	21 8	3 7	19 33	3 29	19 49	2 30	22 43	1 0	23 27	0 1	14 3	1 44	6 14	0 35	20 53	0 12	13 42	17 3	5 26	4 46	8 20	4 43	2 5
T 11	20 53	15 32	1 58	19 42	3 23	20 1	2 27	22 36	1 0	23 26	0 1	14 5	1 44	6 14	0 35	20 53	0 12	13 42	17 3	5 28	4 47	8 17	4 43	2 5
F 12	20 41	9 2	0 41	19 51	3 16	20 12	2 24	22 28	1 1	23 26	0 1	14 6	1 44	6 15	0 35	20 53	0 12	13 41	17 3	5 29	4 49	8 13	4 44	2 4
S 13	20 28	2 8	0n38	20 1	3 8	20 23	2 21	22 20	1 1	23 25	0 1	14 8	1 44	6 15	0 35	20 54	0 12	13 40	17 2	5 29	4 50	8 10	4 44	2 4
S 14	20 16	4n45	1 53	20 11	2 59	20 33	2 18	22 11	1 1	23 24	0 2	14 10	1 44	6 16	0 35	20 54	0 12	13 40	17 2	5 28	4 51	8 7	4 45	2 4
M15	20 2	11 16	3 0	20 21	2 49	20 43	2 15	22 3	1 1	23 24	0 2	14 11	1 45	6 16	0 35	20 54	0 12	13 39	17 2	5 28	4 52	8 3	4 45	2 4
T 16	19 49	17 5	3 55	20 31	2 39	20 52	2 12	21 54	1 2	23 23	0 2	14 13	1 45	6 17	0 35	20 55	0 12	13 39	17 1	5 28	4 54	8 0	4 46	2 4
W17	19 35	21 57	4 36	20 41	2 28	21 1	2 9	21 45	1 2	23 23	0 2	14 14	1 45	6 18	0 35	20 55	0 12	13 38	17 1	5 28	4 55	7 57	4 46	2 4
T 18	19 21	25 36	5 1	20 51	2 17	21 9	2 6	21 36	1 2	23 22	0 2	14 16	1 45	6 18	0 35	20 55	0 12	13 38	17 1	5 30	4 56	7 53	4 47	2 3
F 19	19 6	27 51	5 10	21 1	2 6	21 17	2 3	21 26	1 2	23 21	0 2	14 17	1 45	6 19	0 35	20 55	0 12	13 37	17 1	5 32	4 57	7 50	4 48	2 3
S 20	18 51	28 35	5 3	21 10	1 54	21 24	1 59	21 16	1 3	23 21	0 2	14 19	1 45	6 19	0 35	20 56	0 12	13 36	17 0	5 34	4 59	7 47	4 48	2 3
S 21	18 36	27 49	4 42	21 18	1 43	21 30	1 56	21 6	1 3	23 20	0 2	14 21	1 46	6 20	0 34	20 56	0 12	13 36	17 0	5 37	5 0	7 43	4 49	2 3
M22	18 20	25 40	4 7	21 26	1 32	21 36	1 53	20 56	1 3	23 19	0 2	14 22	1 46	6 21	0 34	20 56	0 12	13 35	17 0	5 40	5 1	7 40	4 50	2 3
T 23	18 5	22 21	3 22	21 33	1 20	21 42	1 49	20 46	1 3	23 18	0 2	14 24	1 46	6 21	0 34	20 57	0 12	13 35	16 59	5 42	5 2	7 37	4 51	2 3
W24	17 48	18 7	2 28	21 39	1 9	21 47	1 46	20 35	1 3	23 18	0 3	14 26	1 46	6 22	0 34	20 57	0 12	13 34	16 59	5 44	5 4	7 33	4 51	2 2
T 25	17 32	13 13	1 28	21 45	0 58	21 51	1 42	20 24	1 4	23 17	0 3	14 27	1 46	6 23	0 34	20 57	0 12	13 33	16 59	5 46	5 5	7 30	4 52	2 2
F 26	17 15	7 53	0 25	21 49	0 48	21 55	1 39	20 13	1 4	23 16	0 3	14 29	1 46	6 24	0 34	20 58	0 12	13 33	16 58	5 46	5 6	7 26	4 53	2 2
S 27	16 58	2 18	0s40	21 53	0 37	21 58	1 35	20 1	1 4	23 15	0 3	14 31	1 46	6 24	0 34	20 58	0 12	13 32	16 58	5 46	5 7	7 23	4 54	2 2
S 28	16 40	3s22	1 43	21 55	0 27	22 0	1 32	19 50	1 4	23 14	0 3	14 33	1 46	6 25	0 34	20 58	0 12	13 31	16 58	5 46	5 9	7 20	4 55	2 2
M29	16 23	8 57	2 42	21 57	0 17	22 2	1 28	19 38	1 4	23 14	0 3	14 34	1 47	6 26	0 34	20 59	0 12	13 31	16 58	5 45	5 10	7 16	4 55	2 2
T 30	16 5	14 16	3 34	21 57	0 7	22 3	1 25	19 26	1 4	23 13	0 3	14 36	1 47	6 27	0 34	20 59	0 12	13 30	16 57	5 44	5 11	7 13	4 56	2 1
W31	15s46	19s 9	4s18	21s57	0s 3	22s 4	1n21	19s13	1s 5	23s12	0s 3	14n38	1n47	6n27	0s34	20n59	0s12	13s29	16s57	5s44	5s12	7n10	4n57	2n 1

Julian Day Number = 2121006.5, Delta T = 17m59s
Ecliptic obliquity = 23°33'32, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°07'27, Lahiri = 11°14'27 Julian Calendar 1 Jan. 1095 == Greg. Calendar 7 Jan. 1095

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1095
geocentric

FEBRUARY 1095 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 6 37	18♒ 9'44	23♏ 5	22♑13	7♑22	9♒27	10♑43	25°R48	17♈45	25°R18	5♈ 7	15°R33	16♓50	12♍50	7♈49	T 1
F 2	9 10 34	19°10'10	5♐58	23°23	8°34	10°14	10°55	25♌44	17°47	25♋17	5° 8	15♓31	16°47	12°57	7°52	F 2
S 3	9 14 30	20°10'36	19°18	24°36	9°45	11° 2	11° 7	25°39	17°49	25°15	5° 9	15°29	16°43	13° 4	7°54	S 3
S 4	9 18 27	21°11'00	3♑ 6	25°51	10°56	11°49	11°20	25°34	17°51	25°14	5°10	15°26	16°40	13°10	7°57	S 4
M 5	9 22 23	22°11'22	17°21	27° 7	12° 8	12°36	11°32	25°29	17°53	25°12	5°11	15°23	16°37	13°17	8° 0	M 5
T 6	9 26 20	23°11'43	2♒ 1	28°24	13°19	13°24	11°44	25°25	17°56	25°11	5°12	15°19	16°34	13°23	8° 3	T 6
W 7	9 30 16	24°12'02	16°59	29°44	14°31	14°11	11°56	25°20	17°58	25° 9	5°13	15°17	16°31	13°30	8° 5	W 7
T 8	9 34 13	25°12'20	2♓ 7	1♒ 4	15°42	14°58	12° 8	25°15	18° 0	25° 8	5°14	15°15	16°28	13°37	8° 8	T 8
F 9	9 38 10	26°12'35	17°16	2°27	16°54	15°45	12°20	25°10	18° 3	25° 7	5°15	15°D15	16°24	13°43	8°11	F 9
S 10	9 42 6	27°12'48	2♈16	3°50	18° 5	16°33	12°32	25° 5	18° 5	25° 5	5°17	15°15	16°21	13°50	8°14	S 10
S 11	9 46 3	28°13'00	16°59	5°15	19°17	17°20	12°44	25° 0	18° 8	25° 4	5°18	15°17	16°18	13°57	8°17	S 11
M12	9 49 59	29°13'09	1♉22	6°41	20°29	18° 7	12°56	24°56	18°10	25° 2	5°19	15°18	16°15	14° 3	8°20	M12
T 13	9 53 56	0♓13'16	15°21	8° 8	21°41	18°55	13° 7	24°51	18°13	25° 1	5°20	15°19	16°12	14°10	8°23	T 13
W14	9 57 52	1°13'21	28°56	9°36	22°52	19°42	13°19	24°46	18°15	25° 0	5°21	15°R19	16° 9	14°17	8°26	W14
T 15	10 1 49	2°13'24	12♊ 8	11° 6	24° 4	20°29	13°31	24°41	18°18	24°59	5°22	15°19	16° 5	14°23	8°29	T 15
F 16	10 5 45	3°13'25	25° 0	12°37	25°16	21°16	13°42	24°37	18°20	24°57	5°24	15°18	16° 2	14°30	8°32	F 16
S 17	10 9 42	4°13'23	7♋34	14° 9	26°28	22° 4	13°53	24°32	18°23	24°56	5°25	15°17	15°59	14°37	8°36	S 17
S 18	10 13 39	5°13'19	19°55	15°42	27°40	22°51	14° 4	24°27	18°26	24°55	5°26	15°16	15°56	14°43	8°39	S 18
M19	10 17 35	6°13'13	2♌ 3	17°17	28°52	23°38	14°16	24°23	18°28	24°54	5°27	15°14	15°53	14°50	8°42	M19
T 20	10 21 32	7°13'05	14° 4	18°52	0♒ 4	24°25	14°27	24°18	18°31	24°52	5°29	15°13	15°49	14°57	8°45	T 20
W21	10 25 28	8°12'55	25°57	20°29	1°16	25°13	14°38	24°13	18°34	24°51	5°30	15°12	15°46	15° 3	8°49	W21
T 22	10 29 25	9°12'43	7♍47	22° 7	2°28	26° 0	14°48	24° 9	18°37	24°50	5°31	15°12	15°43	15°10	8°52	T 22
F 23	10 33 21	10°12'28	19°35	23°46	3°40	26°47	14°59	24° 4	18°40	24°49	5°33	15°D12	15°40	15°16	8°55	F 23
S 24	10 37 18	11°12'12	1♎23	25°26	4°53	27°34	15°10	24° 0	18°43	24°48	5°34	15°12	15°37	15°23	8°58	S 24
S 25	10 41 14	12°11'53	13°14	27° 8	6° 5	28°21	15°20	23°55	18°45	24°47	5°35	15°12	15°34	15°30	9° 2	S 25
M26	10 45 11	13°11'33	25°10	28°51	7°17	29° 8	15°31	23°51	18°48	24°46	5°37	15°13	15°30	15°36	9° 5	M26
T 27	10 49 7	14°11'11	7♏14	0♓34	8°29	29°55	15°41	23°46	18°51	24°45	5°38	15°13	15°27	15°43	9° 9	T 27
W28	10 53 4	15♓10'47	19♏30	2♓20	9♒42	0♓42	15♑51	23♌42	18♈54	24♋44	5♈39	15°R13	15♓24	15♍50	9♈12	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s28	23s19	4s51	21s55	0s12	22s 4	1n17	19s 1	1s 5	23s11	0s 3	14n39	1n47	6n28	0s34	21n 0	0s12	13s29	16s57	5s44	5s13	7n 6	4n58	2n 1
F 2	15 9	26 30	5 10	21 52	0 21	22 3	1 14	18 48	1 5	23 10	0 4	14 41	1 47	6 29	0 34	21 0	0 12	13 28	16 56	5 44	5 15	7 3	4 59	2 1
S 3	14 50	28 20	5 14	21 48	0 29	22 2	1 10	18 35	1 5	23 9	0 4	14 43	1 47	6 30	0 34	21 0	0 12	13 28	16 56	5 45	5 16	7 0	5 0	2 1
S 4	14 31	28 31	5 0	21 42	0 38	22 0	1 7	18 22	1 5	23 8	0 4	14 45	1 47	6 31	0 34	21 0	0 12	13 27	16 56	5 46	5 17	6 56	5 1	2 1
M 5	14 11	26 51	4 27	21 35	0 46	21 58	1 3	18 9	1 5	23 7	0 4	14 46	1 47	6 32	0 34	21 1	0 12	13 26	16 56	5 48	5 18	6 53	5 2	2 1
T 6	13 51	23 19	3 36	21 27	0 53	21 54	0 59	17 56	1 5	23 6	0 4	14 48	1 47	6 33	0 34	21 1	0 12	13 26	16 55	5 49	5 20	6 49	5 3	2 0
W 7	13 31	18 12	2 30	21 18	1 1	21 51	0 56	17 42	1 5	23 5	0 4	14 50	1 48	6 34	0 34	21 1	0 12	13 25	16 55	5 50	5 21	6 46	5 4	2 0
T 8	13 11	11 54	1 12	21 7	1 8	21 46	0 52	17 28	1 5	23 4	0 4	14 51	1 48	6 34	0 34	21 2	0 12	13 24	16 55	5 50	5 22	6 43	5 5	2 0
F 9	12 51	4 53	0n11	20 55	1 15	21 41	0 48	17 14	1 6	23 3	0 4	14 53	1 48	6 35	0 34	21 2	0 12	13 24	16 55	5 50	5 23	6 39	5 6	2 0
S 10	12 30	2n19	1 33	20 42	1 21	21 36	0 45	17 0	1 6	23 2	0 4	14 55	1 48	6 36	0 34	21 2	0 11	13 23	16 55	5 50	5 25	6 36	5 7	2 0
S 11	12 9	9 16	2 47	20 27	1 27	21 29	0 41	16 45	1 6	23 1	0 5	14 57	1 48	6 37	0 34	21 2	0 11	13 22	16 54	5 50	5 26	6 33	5 8	2 0
M12	11 48	15 34	3 48	20 11	1 33	21 22	0 37	16 31	1 6	23 0	0 5	14 58	1 48	6 38	0 34	21 3	0 11	13 22	16 54	5 49	5 27	6 29	5 9	2 0
T 13	11 27	20 53	4 35	19 54	1 38	21 15	0 34	16 16	1 6	22 59	0 5	15 0	1 48	6 39	0 34	21 3	0 11	13 21	16 54	5 49	5 28	6 26	5 10	1 59
W14	11 6	24 58	5 4	19 35	1 43	21 7	0 30	16 1	1 6	22 58	0 5	15 2	1 48	6 40	0 34	21 3	0 11	13 20	16 54	5 49	5 30	6 22	5 11	1 59
T 15	10 44	27 35	5 16	19 15	1 48	20 58	0 27	15 46	1 6	22 57	0 5	15 3	1 48	6 41	0 34	21 3	0 11	13 20	16 53	5 49	5 31	6 19	5 12	1 59
F 16	10 22	28 40	5 12	18 54	1 52	20 49	0 23	15 31	1 6	22 56	0 5	15 5	1 48	6 42	0 34	21 4	0 11	13 19	16 53	5 49	5 32	6 16	5 13	1 59
S 17	10 1	28 13	4 53	18 31	1 56	20 39	0 19	15 16	1 6	22 55	0 5	15 7	1 48	6 43	0 34	21 4	0 11	13 18	16 53	5 50	5 33	6 12	5 15	1 59
S 18	9 39	26 23	4 21	18 6	1 59	20 28	0 16	15 0	1 6	22 54	0 5	15 8	1 48	6 44	0 34	21 4	0 11	13 18	16 53	5 50	5 35	6 9	5 16	1 59
M19	9 16	23 20	3 37	17 40	2 2	20 17	0 12	14 45	1 6	22 53	0 5	15 10	1 48	6 46	0 34	21 4	0 11	13 17	16 53	5 51	5 36	6 5	5 17	1 59
T 20	8 54	19 19	2 44	17 13	2 5	20 5	0 9	14 29	1 6	22 52	0 6	15 11	1 48	6 47	0 34	21 5	0 11	13 16	16 53	5 51	5 37	6 2	5 18	1 59
W21	8 32	14 34	1 45	16 45	2 7	19 53	0 6	14 13	1 6	22 51	0 6	15 13	1 48	6 48	0 34	21 5	0 11	13 16	16 52	5 52	5 38	5 59	5 19	1 58
T 22	8 9	9 20	0 41	16 14	2 9	19 40	0 2	13 57	1 6	22 50	0 6	15 15	1 48	6 49	0 34	21 5	0 11	13 15	16 52	5 52	5 40	5 55	5 20	1 58
F 23	7 47	3 46	0s24	15 43	2 10	19 27	0s 1	13 41	1 6	22 49	0 6	15 16	1 48	6 50	0 34	21 5	0 11	13 14	16 52	5 52	5 41	5 52	5 22	1 58
S 24	7 24	1s55	1 29	15 10	2 11	19 13	0 4	13 24	1 6	22 48	0 6	15 18	1 48	6 51	0 33	21 5	0 11	13 14	16 52	5 52	5 42	5 48	5 23	1 58
S 25	7 1	7 33	2 30	14 36	2 12	18 58	0 8	13 8	1 6	22 46	0 6	15 19	1 48	6 52	0 33	21 6	0 11	13 13	16 52	5 51	5 43	5 45	5 24	1 58
M26	6 38	12 57	3 24	14 0	2 12	18 43	0 11	12 51	1 6	22 45	0 6	15 21	1 48	6 53	0 33	21 6	0 11	13 12	16 52	5 51	5 44	5 42	5 25	1 58
T 27	6 15	17 56	4 11	13 23	2 12	18 28	0 14	12 35	1 6	22 44	0 6	15 22	1 48	6 54	0 33	21 6	0 11	13 12	16 51	5 51	5 46	5 38	5 27	1 58
W28	5s52	22s17	4s47	12s44	2s11	18s11	0s17	12s18	1s 6	22s43	0s 7	15n23	1n48	6n56	0s33	21n 6	0s11	13s11	16s51	5s51	5s47	5n35	5n28	1n58

Julian Day Number = 2121037.5, Delta T = 17m58s
Ecliptic obliquity = 23°33'33, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°07'31, Lahiri = 11°14'31 Julian Calendar 1 Feb. 1095 == Greg. Calendar 7 Feb. 1095

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1095
geocentric

MARCH 1095 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 57 1	16♓10'21	2♐ 1	4♓ 6	10♒54	1♓30	16♑ 2	23°R38	18♈57	24°R43	5♈41	15°R13	15♓21	15♍56	9♈15	T 1
F 2	11 0 57	17° 9'53	14°52	5°54	12° 6	2°17	16°12	23♌34	19° 0	24♋42	5°42	15°D13	15°18	16° 3	9°19	F 2
S 3	11 4 54	18° 9'24	28° 4	7°43	13°19	3° 4	16°22	23°29	19° 3	24°41	5°43	15♓13	15°14	16°10	9°22	S 3
S 4	11 8 50	19° 8'53	11♑41	9°33	14°31	3°51	16°31	23°25	19° 7	24°40	5°45	15°13	15°11	16°16	9°26	S 4
M 5	11 12 47	20° 8'20	25°45	11°25	15°44	4°38	16°41	23°21	19°10	24°40	5°46	15°13	15° 8	16°23	9°29	M 5
T 6	11 16 43	21° 7'46	10♒13	13°17	16°56	5°25	16°51	23°17	19°13	24°39	5°48	15°14	15° 5	16°30	9°33	T 6
W 7	11 20 40	22° 7'09	25° 3	15°12	18° 9	6°12	17° 0	23°13	19°16	24°38	5°49	15°14	15° 2	16°36	9°36	W 7
T 8	11 24 36	23° 6'30	10♓ 8	17° 7	19°21	6°59	17° 9	23°10	19°19	24°37	5°50	15°R15	14°59	16°43	9°40	T 8
F 9	11 28 33	24° 5'50	25°21	19° 4	20°34	7°45	17°19	23° 6	19°22	24°37	5°52	15°15	14°55	16°49	9°44	F 9
S 10	11 32 30	25° 5'07	10♈30	21° 1	21°46	8°32	17°28	23° 2	19°25	24°36	5°53	15°14	14°52	16°56	9°47	S 10
S 11	11 36 26	26° 4'22	25°28	23° 1	22°59	9°19	17°37	22°58	19°29	24°35	5°54	15°13	14°49	17° 3	9°51	S 11
M12	11 40 23	27° 3'35	10♉ 6	25° 1	24°11	10° 6	17°46	22°55	19°32	24°35	5°56	15°12	14°46	17° 9	9°54	M12
T 13	11 44 19	28° 2'45	24°19	27° 2	25°24	10°53	17°54	22°51	19°35	24°34	5°57	15°10	14°43	17°16	9°58	T 13
W14	11 48 16	29° 1'54	8♊ 4	29° 4	26°36	11°40	18° 3	22°48	19°38	24°34	5°59	15° 9	14°40	17°23	10° 2	W14
T 15	11 52 12	0♈ 1'00	21°23	1♈ 7	27°49	12°26	18°12	22°45	19°42	24°33	6° 0	15° 8	14°36	17°29	10° 5	T 15
F 16	11 56 9	1° 0'03	4♋16	3°11	29° 2	13°13	18°20	22°41	19°45	24°33	6° 2	15°D 8	14°33	17°36	10° 9	F 16
S 17	12 0 5	1°59'04	16°48	5°15	0♓14	14° 0	18°28	22°38	19°48	24°32	6° 3	15° 8	14°30	17°43	10°13	S 17
S 18	12 4 2	2°58'03	29° 3	7°20	1°27	14°46	18°36	22°35	19°52	24°32	6° 4	15°10	14°27	17°49	10°16	S 18
M19	12 7 59	3°57'00	11♌ 5	9°25	2°40	15°33	18°44	22°32	19°55	24°31	6° 6	15°11	14°24	17°56	10°20	M19
T 20	12 11 55	4°55'54	22°58	11°30	3°52	16°20	18°52	22°29	19°58	24°31	6° 7	15°13	14°20	18° 3	10°24	T 20
W21	12 15 52	5°54'46	4♍46	13°34	5° 5	17° 6	19° 0	22°26	20° 2	24°31	6° 9	15°14	14°17	18° 9	10°27	W21
T 22	12 19 48	6°53'35	16°33	15°38	6°18	17°53	19° 7	22°24	20° 5	24°30	6°10	15°R14	14°14	18°16	10°31	T 22
F 23	12 23 45	7°52'23	28°22	17°40	7°30	18°39	19°15	22°21	20° 9	24°30	6°12	15°13	14°11	18°22	10°35	F 23
S 24	12 27 41	8°51'08	10♎14	19°41	8°43	19°26	19°22	22°18	20°12	24°30	6°13	15°12	14° 8	18°29	10°38	S 24
S 25	12 31 38	9°49'52	22°12	21°41	9°56	20°12	19°29	22°16	20°15	24°30	6°14	15° 9	14° 5	18°36	10°42	S 25
M26	12 35 34	10°48'33	4♏17	23°38	11° 9	20°59	19°36	22°13	20°19	24°30	6°16	15° 5	14° 1	18°42	10°46	M26
T 27	12 39 31	11°47'13	16°32	25°34	12°21	21°45	19°43	22°11	20°22	24°29	6°17	15° 0	13°58	18°49	10°49	T 27
W28	12 43 28	12°45'50	28°58	27°26	13°34	22°31	19°49	22° 9	20°26	24°29	6°19	14°56	13°55	18°56	10°53	W28
T 29	12 47 24	13°44'26	11♐38	29°15	14°47	23°18	19°56	22° 7	20°29	24°29	6°20	14°52	13°52	19° 2	10°57	T 29
F 30	12 51 21	14°43'01	24°32	1♑ 1	16° 0	24° 4	20° 2	22° 5	20°32	24°D29	6°22	14°49	13°49	19° 9	11° 0	F 30
S 31	12 55 17	15♈41'34	7♑44	2♑44	17♓13	24♓50	20♑ 8	22♌ 3	20♈36	24♋29	6♈23	14♓47	13♓46	19♍16	11♈ 4	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s29	25s43	5s10	12s 4	2s10	17s55	0s21	12s 1	1s 6	22s42	0s 7	15n25	1n48	6n57	0s33	21n 6	0s11	13s10	16s51	5s51	5s48	5n31	5n29	1n57
F 2	5 6	27 57	5 18	11 22	2 8	17 38	0 24	11 44	1 5	22 41	0 7	15 26	1 48	6 58	0 33	21 7	0 11	13 10	16 51	5 51	5 49	5 28	5 30	1 57
S 3	4 42	28 43	5 10	10 40	2 6	17 20	0 27	11 27	1 5	22 40	0 7	15 28	1 48	6 59	0 33	21 7	0 11	13 9	16 51	5 51	5 51	5 25	5 32	1 57
S 4	4 19	27 46	4 45	9 55	2 3	17 2	0 30	11 10	1 5	22 39	0 7	15 29	1 48	7 0	0 33	21 7	0 11	13 9	16 51	5 51	5 52	5 21	5 33	1 57
M 5	3 56	25 4	4 2	9 10	2 0	16 43	0 33	10 52	1 5	22 38	0 7	15 30	1 48	7 2	0 33	21 7	0 11	13 8	16 51	5 51	5 53	5 18	5 34	1 57
T 6	3 32	20 42	3 3	8 23	1 56	16 24	0 35	10 35	1 5	22 37	0 7	15 32	1 48	7 3	0 33	21 7	0 11	13 7	16 51	5 51	5 54	5 14	5 36	1 57
W 7	3 8	14 58	1 50	7 35	1 51	16 4	0 38	10 17	1 5	22 36	0 7	15 33	1 48	7 4	0 33	21 7	0 11	13 7	16 51	5 51	5 56	5 11	5 37	1 57
T 8	2 45	8 14	0 28	6 45	1 47	15 44	0 41	10 0	1 5	22 35	0 8	15 34	1 48	7 5	0 33	21 7	0 11	13 6	16 50	5 51	5 57	5 8	5 38	1 57
F 9	2 21	1 0	0n56	5 54	1 41	15 24	0 44	9 42	1 5	22 34	0 8	15 35	1 48	7 6	0 33	21 8	0 11	13 5	16 50	5 51	5 58	5 4	5 40	1 57
S 10	1 58	6n15	2 16	5 2	1 35	15 3	0 46	9 24	1 5	22 33	0 8	15 37	1 48	7 8	0 33	21 8	0 11	13 5	16 50	5 51	5 59	5 1	5 41	1 57
S 11	1 34	13 5	3 25	4 9	1 29	14 42	0 49	9 7	1 5	22 32	0 8	15 38	1 48	7 9	0 33	21 8	0 11	13 4	16 50	5 51	6 1	4 57	5 42	1 57
M12	1 10	19 1	4 20	3 15	1 22	14 20	0 51	8 49	1 4	22 30	0 8	15 39	1 48	7 10	0 33	21 8	0 11	13 4	16 50	5 52	6 2	4 54	5 44	1 56
T 13	0 47	23 43	4 56	2 19	1 14	13 58	0 54	8 31	1 4	22 29	0 8	15 40	1 48	7 11	0 33	21 8	0 11	13 3	16 50	5 52	6 3	4 51	5 45	1 56
W14	0 23	26 56	5 14	1 23	1 6	13 35	0 56	8 13	1 4	22 28	0 8	15 41	1 48	7 13	0 33	21 8	0 11	13 2	16 50	5 53	6 4	4 47	5 46	1 56
T 15	0n 0	28 31	5 15	0 26	0 58	13 13	0 59	7 55	1 4	22 27	0 9	15 42	1 48	7 14	0 33	21 8	0 11	13 2	16 50	5 53	6 5	4 44	5 48	1 56
F 16	0 24	28 29	4 59	0n32	0 49	12 49	1 1	7 36	1 4	22 26	0 9	15 43	1 48	7 15	0 33	21 8	0 11	13 1	16 50	5 53	6 7	4 40	5 49	1 56
S 17	0 48	26 58	4 30	1 30	0 39	12 26	1 3	7 18	1 4	22 25	0 9	15 44	1 48	7 16	0 33	21 9	0 11	13 1	16 50	5 53	6 8	4 37	5 50	1 56
S 18	1 11	24 11	3 49	2 28	0 29	12 2	1 5	7 0	1 3	22 24	0 9	15 45	1 48	7 18	0 33	21 9	0 11	13 0	16 50	5 53	6 9	4 33	5 52	1 56
M19	1 35	20 23	2 58	3 27	0 19	11 38	1 7	6 42	1 3	22 24	0 9	15 46	1 48	7 19	0 33	21 9	0 11	12 59	16 50	5 52	6 10	4 30	5 53	1 56
T 20	1 58	15 49	2 0	4 26	0 9	11 13	1 10	6 23	1 3	22 23	0 9	15 47	1 48	7 20	0 33	21 9	0 11	12 59	16 50	5 51	6 12	4 27	5 54	1 56
W21	2 22	10 42	0 57	5 25	0n 2	10 48	1 11	6 5	1 3	22 22	0 9	15 48	1 48	7 22	0 33	21 9	0 11	12 58	16 50	5 51	6 13	4 23	5 56	1 56
T 22	2 45	5 13	0s 7	6 23	0 13	10 23	1 13	5 46	1 3	22 21	0 10	15 49	1 48	7 23	0 33	21 9	0 11	12 58	16 50	5 51	6 14	4 20	5 57	1 56
F 23	3 8	0s26	1 12	7 21	0 25	9 57	1 15	5 28	1 2	22 20	0 10	15 50	1 48	7 24	0 33	21 9	0 11	12 57	16 50	5 51	6 15	4 16	5 59	1 56
S 24	3 32	6 7	2 13	8 18	0 36	9 32	1 17	5 9	1 2	22 19	0 10	15 50	1 48	7 25	0 33	21 9	0 11	12 57	16 50	5 52	6 17	4 13	6 0	1 55
S 25	3 55	11 37	3 10	9 13	0 47	9 6	1 19	4 51	1 2	22 18	0 10	15 51	1 47	7 27	0 33	21 9	0 11	12 56	16 50	5 53	6 18	4 10	6 1	1 55
M26	4 18	16 44	3 58	10 8	0 58	8 39	1 20	4 32	1 2	22 17	0 10	15 52	1 47	7 28	0 33	21 9	0 11	12 56	16 50	5 54	6 19	4 6	6 3	1 55
T 27	4 41	21 16	4 36	11 1	1 10	8 13	1 22	4 14	1 1	22 16	0 10	15 53	1 47	7 29	0 33	21 9	0 11	12 55	16 50	5 56	6 20	4 3	6 4	1 55
W28	5 4	24 56	5 1	11 52	1 20	7 46	1 23	3 55	1 1	22 16	0 10	15 53	1 47	7 31	0 33	21 9	0 11	12 54	16 50	5 58	6 21	3 59	6 6	1 55
T 29	5 27	27 27	5 13	12 41	1 31	7 19	1 25	3 36	1 1	22 15	0 11	15 54	1 47	7 32	0 33	21 9	0 11	12 54	16 50	5 59	6 23	3 56	6 7	1 55
F 30	5 50	28 35	5 9	13 28	1 41	6 52	1 26	3 18	1 1	22 14	0 11	15 54	1 47	7 33	0 33	21 9	0 11	12 53	16 50	6 1	6 24	3 52	6 8	1 55
S 31	6n12	28s 8	4s49	14n13	1n51	6s25	1s27	2s59	1s 0	22s13	0s11	15n55	1n47	7n35	0s33	21n 9	0s11	12s53	16s50	6s 1	6s25	3n49	6n10	1n55

Julian Day Number = 2121065.5, Delta T = 17m58s
Ecliptic obliquity = 23°33'33, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°07'35, Lahiri = 11°14'35 Julian Calendar 1 March 1095 == Greg. Calendar 7 March 1095

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1095
geocentric

APRIL 1095 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 59 14	16♈40'05	21♉15	4♉22	18♓25	25♓36	20♉15	22°R 1	20♈39	24♋29	6♈24	14°D47	13♓42	19♍22	11♈ 8	S 1
M 2	13 3 10	17°38'34	5♒ 6	5°57	19°38	26°22	20°20	21♎59	20°43	24°29	6°26	14♓48	13°39	19°29	11°11	M 2
T 3	13 7 7	18°37'02	19°19	7°27	20°51	27° 8	20°26	21°58	20°46	24°29	6°27	14°50	13°36	19°36	11°15	T 3
W 4	13 11 3	19°35'28	3♓51	8°53	22° 4	27°55	20°32	21°56	20°50	24°30	6°29	14°51	13°33	19°42	11°19	W 4
T 5	13 15 0	20°33'52	18°40	10°14	23°17	28°41	20°37	21°55	20°53	24°30	6°30	14°R51	13°30	19°49	11°22	T 5
F 6	13 18 57	21°32'14	3♈39	11°31	24°30	29°27	20°42	21°54	20°57	24°30	6°31	14°50	13°26	19°56	11°26	F 6
S 7	13 22 53	22°30'35	18°40	12°43	25°43	0♈13	20°47	21°52	21° 0	24°30	6°33	14°47	13°23	20° 2	11°30	S 7
S 8	13 26 50	23°28'54	3♉36	13°51	26°56	0°58	20°52	21°51	21° 4	24°31	6°34	14°42	13°20	20° 9	11°33	S 8
M 9	13 30 46	24°27'11	18°16	14°53	28° 8	1°44	20°57	21°50	21° 7	24°31	6°36	14°36	13°17	20°15	11°37	M 9
T 10	13 34 43	25°25'27	2♊35	15°50	29°21	2°30	21° 2	21°49	21°10	24°31	6°37	14°30	13°14	20°22	11°41	T 10
W11	13 38 39	26°23'40	16°28	16°43	0♈34	3°16	21° 6	21°49	21°14	24°32	6°38	14°24	13°11	20°29	11°44	W11
T 12	13 42 36	27°21'51	29°53	17°30	1°47	4° 2	21°10	21°48	21°17	24°32	6°40	14°19	13° 7	20°35	11°48	T 12
F 13	13 46 32	28°20'00	12♋51	18°12	3° 0	4°47	21°14	21°47	21°21	24°32	6°41	14°16	13° 4	20°42	11°51	F 13
S 14	13 50 29	29°18'08	25°26	18°48	4°13	5°33	21°18	21°47	21°24	24°33	6°42	14°D15	13° 1	20°49	11°55	S 14
S 15	13 54 26	0♉16'13	7♌41	19°20	5°26	6°19	21°22	21°47	21°28	24°33	6°44	14°15	12°58	20°55	11°58	S 15
M16	13 58 22	1°14'16	19°42	19°46	6°39	7° 4	21°25	21°46	21°31	24°34	6°45	14°16	12°55	21° 2	12° 2	M16
T 17	14 2 19	2°12'17	1♍33	20° 6	7°52	7°50	21°29	21°46	21°34	24°34	6°46	14°18	12°52	21° 9	12° 6	T 17
W18	14 6 15	3°10'17	13°20	20°22	9° 5	8°35	21°32	21°D46	21°38	24°35	6°48	14°R18	12°48	21°15	12° 9	W18
T 19	14 10 12	4° 8'14	25° 7	20°32	10°18	9°20	21°35	21°46	21°41	24°36	6°49	14°18	12°45	21°22	12°13	T 19
F 20	14 14 8	5° 6'10	6♎59	20°R37	11°31	10° 6	21°38	21°46	21°45	24°36	6°50	14°15	12°42	21°29	12°16	F 20
S 21	14 18 5	6° 4'04	18°57	20°37	12°44	10°51	21°40	21°47	21°48	24°37	6°51	14°10	12°39	21°35	12°19	S 21
S 22	14 22 1	7° 1'56	1♏ 5	20°32	13°57	11°36	21°43	21°47	21°51	24°38	6°53	14° 3	12°36	21°42	12°23	S 22
M23	14 25 58	7°59'47	13°24	20°22	15°10	12°21	21°45	21°47	21°55	24°39	6°54	13°54	12°32	21°49	12°26	M23
T 24	14 29 55	8°57'36	25°55	20° 8	16°23	13° 7	21°47	21°48	21°58	24°39	6°55	13°45	12°29	21°55	12°30	T 24
W25	14 33 51	9°55'24	8♐38	19°50	17°36	13°52	21°49	21°49	22° 1	24°40	6°56	13°35	12°26	22° 2	12°33	W25
T 26	14 37 48	10°53'10	21°33	19°28	18°49	14°37	21°51	21°49	22° 5	24°41	6°58	13°26	12°23	22° 8	12°36	T 26
F 27	14 41 44	11°50'56	4♑41	19° 2	20° 2	15°22	21°52	21°50	22° 8	24°42	6°59	13°19	12°20	22°15	12°40	F 27
S 28	14 45 41	12°48'40	18° 2	18°34	21°15	16° 7	21°54	21°51	22°11	24°43	7° 0	13°14	12°17	22°22	12°43	S 28
S 29	14 49 37	13°46'23	1♒36	18° 3	22°28	16°52	21°55	21°52	22°15	24°44	7° 1	13°11	12°13	22°28	12°46	S 29
M30	14 53 34	14♉44'04	15♒24	17♉31	23♈41	17♈37	21♉56	21♎54	22♈18	24♋45	7♈ 2	13°D10	12♓10	22♍35	12♈50	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n35	26s 1	4s12	14n55	2n 0	5s57	1s28	2s40	1s 0	22s12	0s11	15n55	1n47	7n36	0s33	21n 9	0s11	12s52	16s50	6s 1	6s26	3n46	6n11	1n55
M 2	6 57	22 19	3 20	15 35	2 8	5 30	1 29	2 22	1 0	22 12	0 11	15 56	1 47	7 37	0 33	21 9	0 11	12 52	16 50	6 1	6 28	3 42	6 13	1 55
T 3	7 20	17 14	2 15	16 12	2 16	5 2	1 30	2 3	0 59	22 11	0 11	15 56	1 47	7 38	0 33	21 9	0 11	12 51	16 50	6 0	6 29	3 39	6 14	1 55
W 4	7 42	11 4	1 0	16 47	2 23	4 34	1 31	1 44	0 59	22 10	0 11	15 57	1 47	7 40	0 33	21 9	0 11	12 51	16 50	6 0	6 30	3 35	6 15	1 55
T 5	8 4	4 11	0n21	17 19	2 29	4 5	1 32	1 26	0 59	22 10	0 12	15 57	1 47	7 41	0 33	21 9	0 11	12 50	16 50	6 0	6 31	3 32	6 17	1 55
F 6	8 26	3n 0	1 41	17 49	2 35	3 37	1 33	1 7	0 58	22 9	0 12	15 57	1 46	7 42	0 33	21 9	0 11	12 50	16 51	6 0	6 32	3 28	6 18	1 55
S 7	8 48	10 2	2 54	18 16	2 39	3 9	1 34	0 48	0 58	22 8	0 12	15 58	1 46	7 44	0 33	21 9	0 11	12 50	16 51	6 1	6 34	3 25	6 20	1 55
S 8	9 10	16 27	3 54	18 40	2 43	2 40	1 34	0 30	0 58	22 8	0 12	15 58	1 46	7 45	0 33	21 9	0 11	12 49	16 51	6 3	6 35	3 22	6 21	1 55
M 9	9 31	21 48	4 38	19 1	2 46	2 12	1 35	0 11	0 57	22 7	0 12	15 58	1 46	7 46	0 33	21 9	0 10	12 49	16 51	6 5	6 36	3 18	6 22	1 55
T 10	9 53	25 44	5 3	19 20	2 47	1 43	1 36	0n 8	0 57	22 7	0 12	15 58	1 46	7 48	0 33	21 9	0 10	12 48	16 51	6 8	6 37	3 15	6 24	1 55
W11	10 14	28 0	5 10	19 36	2 48	1 14	1 36	0 26	0 57	22 6	0 13	15 59	1 46	7 49	0 33	21 9	0 10	12 48	16 51	6 10	6 39	3 11	6 25	1 55
T 12	10 35	28 32	4 59	19 49	2 47	0 45	1 36	0 45	0 56	22 6	0 13	15 59	1 46	7 50	0 33	21 9	0 10	12 47	16 51	6 12	6 40	3 8	6 26	1 54
F 13	10 56	27 27	4 33	19 59	2 46	0 17	1 37	1 3	0 56	22 5	0 13	15 59	1 46	7 51	0 33	21 9	0 10	12 47	16 51	6 13	6 41	3 4	6 28	1 54
S 14	11 17	24 59	3 54	20 7	2 43	0n12	1 37	1 22	0 56	22 5	0 13	15 59	1 46	7 53	0 33	21 9	0 10	12 47	16 51	6 14	6 42	3 1	6 29	1 54
S 15	11 37	21 25	3 5	20 12	2 40	0 41	1 37	1 40	0 55	22 4	0 13	15 59	1 46	7 54	0 33	21 9	0 10	12 46	16 52	6 14	6 43	2 58	6 31	1 54
M16	11 58	17 2	2 9	20 15	2 35	1 10	1 37	1 59	0 55	22 4	0 13	15 59	1 45	7 55	0 33	21 9	0 10	12 46	16 52	6 13	6 45	2 54	6 32	1 54
T 17	12 18	12 3	1 9	20 15	2 29	1 39	1 37	2 17	0 55	22 4	0 14	15 59	1 45	7 57	0 33	21 9	0 10	12 45	16 52	6 13	6 46	2 51	6 33	1 54
W18	12 38	6 40	0 5	20 12	2 21	2 8	1 37	2 35	0 54	22 3	0 14	15 59	1 45	7 58	0 33	21 9	0 10	12 45	16 52	6 12	6 47	2 47	6 35	1 54
T 19	12 58	1 4	0s58	20 6	2 13	2 37	1 37	2 54	0 54	22 3	0 14	15 59	1 45	7 59	0 33	21 9	0 10	12 45	16 52	6 13	6 48	2 44	6 36	1 54
F 20	13 17	4s36	1 59	19 59	2 3	3 6	1 37	3 12	0 53	22 3	0 14	15 58	1 45	8 0	0 33	21 8	0 10	12 44	16 52	6 14	6 50	2 40	6 37	1 54
S 21	13 37	10 10	2 55	19 48	1 53	3 35	1 36	3 30	0 53	22 2	0 14	15 58	1 45	8 2	0 33	21 8	0 10	12 44	16 52	6 16	6 51	2 37	6 39	1 54
S 22	13 56	15 24	3 44	19 36	1 41	4 3	1 36	3 48	0 52	22 2	0 14	15 58	1 45	8 3	0 33	21 8	0 10	12 44	16 53	6 18	6 52	2 34	6 40	1 54
M23	14 15	20 7	4 23	19 21	1 28	4 32	1 35	4 7	0 52	22 2	0 15	15 58	1 45	8 4	0 33	21 8	0 10	12 43	16 53	6 22	6 53	2 30	6 41	1 54
T 24	14 33	24 2	4 51	19 4	1 15	5 1	1 35	4 25	0 52	22 2	0 15	15 57	1 45	8 5	0 33	21 8	0 10	12 43	16 53	6 25	6 54	2 27	6 43	1 54
W25	14 52	26 51	5 4	18 45	1 0	5 29	1 34	4 43	0 51	22 2	0 15	15 57	1 44	8 7	0 33	21 8	0 10	12 43	16 53	6 29	6 56	2 23	6 44	1 54
T 26	15 10	28 19	5 2	18 24	0 44	5 58	1 34	5 0	0 51	22 2	0 15	15 57	1 44	8 8	0 33	21 8	0 10	12 42	16 53	6 33	6 57	2 20	6 45	1 54
F 27	15 28	28 13	4 44	18 1	0 28	6 26	1 33	5 18	0 50	22 1	0 15	15 56	1 44	8 9	0 33	21 8	0 10	12 42	16 53	6 35	6 58	2 16	6 47	1 54
S 28	15 46	26 29	4 11	17 37	0 12	6 54	1 32	5 36	0 50	22 1	0 15	15 56	1 44	8 10	0 33	21 7	0 10	12 42	16 54	6 37	6 59	2 13	6 48	1 54
S 29	16 3	23 12	3 23	17 13	0s 5	7 22	1 31	5 54	0 49	22 1	0 16	15 55	1 44	8 12	0 33	21 7	0 10	12 41	16 54	6 38	7 1	2 10	6 49	1 54
M30	16n20	18s34	2s23	16n47	0s23	7n50	1s31	6n12	0s49	22s 1	0s16	15n55	1n44	8n13	0s33	21n 7	0s10	12s41	16s54	6s39	7s 2	2n 6	6n50	1n54

Julian Day Number = 2121096.5, Delta T = 17m58s
Ecliptic obliquity = 23°33'33, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°07'39, Lahiri = 11°14'39 Julian Calendar 1 Apr. 1095 == Greg. Calendar 7 Apr. 1095

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1095
geocentric

MAY 1095 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 57 30	15♉41'45	29♒26	16°R57	24♈54	18♈21	21♊57	21♌55	22♈21	24♋46	7♈ 4	13♓11	12♓ 7	22♍42	12♈53	T 1
W 2	15 1 27	16°39'25	13♓41	16♉23	26° 7	19° 6	21°57	21°56	22°24	24°47	7° 5	13°R11	12° 4	22°48	12°56	W 2
T 3	15 5 24	17°37'03	28° 9	15°48	27°20	19°51	21°58	21°58	22°28	24°48	7° 6	13°10	12° 1	22°55	12°59	T 3
F 4	15 9 20	18°34'41	12♈46	15°14	28°33	20°35	21°58	21°59	22°31	24°49	7° 7	13° 8	11°57	23° 2	13° 2	F 4
S 5	15 13 17	19°32'17	27°27	14°41	29°46	21°20	21°R58	22° 1	22°34	24°50	7° 8	13° 2	11°54	23° 8	13° 6	S 5
S 6	15 17 13	20°29'53	12♉ 5	14°10	0♉59	22° 5	21°58	22° 3	22°37	24°51	7° 9	12°54	11°51	23°15	13° 9	S 6
M 7	15 21 10	21°27'27	26°33	13°41	2°12	22°49	21°57	22° 5	22°40	24°52	7°10	12°44	11°48	23°22	13°12	M 7
T 8	15 25 6	22°25'00	10♊45	13°15	3°25	23°34	21°57	22° 7	22°43	24°54	7°11	12°33	11°45	23°28	13°15	T 8
W 9	15 29 3	23°22'32	24°34	12°51	4°38	24°18	21°56	22° 9	22°46	24°55	7°12	12°23	11°42	23°35	13°18	W 9
T 10	15 32 59	24°20'03	7♋58	12°31	5°51	25° 2	21°55	22°11	22°49	24°56	7°14	12°14	11°38	23°42	13°21	T 10
F 11	15 36 56	25°17'32	20°58	12°15	7° 5	25°47	21°54	22°14	22°53	24°57	7°15	12° 7	11°35	23°48	13°24	F 11
S 12	15 40 53	26°15'00	3♌34	12° 3	8°18	26°31	21°52	22°16	22°56	24°59	7°16	12° 3	11°32	23°55	13°27	S 12
S 13	15 44 49	27°12'27	15°50	11°55	9°31	27°15	21°51	22°18	22°59	25° 0	7°17	12° 1	11°29	24° 1	13°30	S 13
M14	15 48 46	28° 9'52	27°52	11°D51	10°44	27°59	21°49	22°21	23° 2	25° 1	7°18	12°D 1	11°26	24° 8	13°32	M14
T 15	15 52 42	29° 7'17	9♍44	11°52	11°57	28°43	21°47	22°24	23° 5	25° 3	7°19	12°R 1	11°23	24°15	13°35	T 15
W16	15 56 39	0♊ 4'39	21°32	11°57	13°10	29°27	21°45	22°27	23° 7	25° 4	7°19	12° 0	11°19	24°21	13°38	W16
T 17	16 0 35	1° 2'01	3♎21	12° 6	14°23	0♉11	21°43	22°29	23°10	25° 6	7°20	11°59	11°16	24°28	13°41	T 17
F 18	16 4 32	1°59'22	15°17	12°20	15°37	0°55	21°41	22°32	23°13	25° 7	7°21	11°55	11°13	24°35	13°43	F 18
S 19	16 8 28	2°56'41	27°22	12°39	16°50	1°39	21°38	22°35	23°16	25° 9	7°22	11°48	11°10	24°41	13°46	S 19
S 20	16 12 25	3°54'00	9♏40	13° 2	18° 3	2°22	21°35	22°39	23°19	25°10	7°23	11°39	11° 7	24°48	13°49	S 20
M21	16 16 22	4°51'18	22°12	13°29	19°16	3° 6	21°32	22°42	23°22	25°12	7°24	11°28	11° 3	24°55	13°51	M21
T 22	16 20 18	5°48'35	5♐ 1	14° 1	20°29	3°50	21°29	22°45	23°24	25°13	7°25	11°16	11° 0	25° 1	13°54	T 22
W23	16 24 15	6°45'51	18° 4	14°37	21°42	4°33	21°26	22°49	23°27	25°15	7°26	11° 3	10°57	25° 8	13°57	W23
T 24	16 28 11	7°43'07	1♑21	15°17	22°56	5°17	21°22	22°52	23°30	25°16	7°26	10°52	10°54	25°15	13°59	T 24
F 25	16 32 8	8°40'22	14°50	16° 1	24° 9	6° 0	21°18	22°56	23°33	25°18	7°27	10°42	10°51	25°21	14° 2	F 25
S 26	16 36 4	9°37'37	28°30	16°49	25°22	6°44	21°15	22°59	23°35	25°20	7°28	10°35	10°48	25°28	14° 4	S 26
S 27	16 40 1	10°34'51	12♒17	17°41	26°35	7°27	21°11	23° 3	23°38	25°21	7°29	10°31	10°44	25°35	14° 6	S 27
M28	16 43 57	11°32'05	26°12	18°37	27°49	8°10	21° 6	23° 7	23°40	25°23	7°30	10°30	10°41	25°41	14° 9	M28
T 29	16 47 54	12°29'18	10♓14	19°36	29° 2	8°53	21° 2	23°11	23°43	25°25	7°30	10°29	10°38	25°48	14°11	T 29
W30	16 51 51	13°26'32	24°21	20°40	0♊15	9°36	20°57	23°15	23°45	25°27	7°31	10°29	10°35	25°55	14°13	W30
T 31	16 55 47	14♊23'45	8♈34	21♉46	1♊29	10♉20	20♑53	23♌19	23♈48	25♋28	7♈32	10♓28	10♓32	26♍ 1	14♈15	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n37	12s52	1s13	16n20	0s40	8n18	1s30	6n29	0s48	22s 1	0s16	15n54	1n44	8n14	0s33	21n 7	0s10	12s41	16s54	6s38	7s 3	2n 3	6n52	1n54
W 2	16 54	6 24	0n 3	15 54	0 58	8 45	1 29	6 47	0 48	22 2	0 16	15 54	1 44	8 15	0 33	21 7	0 10	12 41	16 55	6 38	7 4	1 59	6 53	1 54
T 3	17 10	0n28	1 19	15 28	1 15	9 13	1 28	7 4	0 47	22 2	0 16	15 53	1 43	8 16	0 33	21 7	0 10	12 40	16 55	6 39	7 5	1 56	6 54	1 54
F 4	17 26	7 23	2 31	15 2	1 31	9 40	1 26	7 21	0 47	22 2	0 17	15 53	1 43	8 18	0 33	21 6	0 10	12 40	16 55	6 40	7 7	1 52	6 55	1 54
S 5	17 42	13 55	3 33	14 36	1 48	10 7	1 25	7 39	0 47	22 2	0 17	15 52	1 43	8 19	0 33	21 6	0 10	12 40	16 55	6 42	7 8	1 49	6 57	1 54
S 6	17 58	19 40	4 20	14 12	2 3	10 34	1 24	7 56	0 46	22 2	0 17	15 51	1 43	8 20	0 33	21 6	0 10	12 40	16 55	6 45	7 9	1 45	6 58	1 54
M 7	18 13	24 11	4 51	13 50	2 18	11 0	1 23	8 13	0 46	22 2	0 17	15 51	1 43	8 21	0 33	21 6	0 10	12 40	16 56	6 49	7 10	1 42	6 59	1 54
T 8	18 28	27 9	5 2	13 28	2 32	11 27	1 21	8 30	0 45	22 3	0 17	15 50	1 43	8 22	0 33	21 6	0 10	12 39	16 56	6 53	7 12	1 39	7 0	1 54
W 9	18 43	28 22	4 56	13 9	2 45	11 53	1 20	8 47	0 44	22 3	0 17	15 49	1 43	8 23	0 33	21 5	0 10	12 39	16 56	6 57	7 13	1 35	7 1	1 54
T 10	18 57	27 51	4 33	12 52	2 57	12 18	1 18	9 3	0 44	22 3	0 18	15 48	1 43	8 25	0 33	21 5	0 10	12 39	16 56	7 0	7 14	1 32	7 3	1 54
F 11	19 11	25 48	3 56	12 37	3 8	12 44	1 17	9 20	0 43	22 4	0 18	15 47	1 43	8 26	0 33	21 5	0 10	12 39	16 57	7 3	7 15	1 28	7 4	1 54
S 12	19 25	22 31	3 9	12 24	3 17	13 9	1 15	9 37	0 43	22 4	0 18	15 46	1 42	8 27	0 33	21 5	0 10	12 39	16 57	7 4	7 16	1 25	7 5	1 54
S 13	19 38	18 18	2 14	12 13	3 26	13 34	1 14	9 53	0 42	22 5	0 18	15 45	1 42	8 28	0 33	21 5	0 10	12 39	16 57	7 5	7 18	1 21	7 6	1 54
M14	19 51	13 26	1 14	12 5	3 33	13 59	1 12	10 9	0 42	22 5	0 18	15 44	1 42	8 29	0 33	21 4	0 10	12 38	16 57	7 5	7 19	1 18	7 7	1 54
T 15	20 4	8 9	0 12	11 59	3 40	14 23	1 10	10 26	0 41	22 6	0 19	15 43	1 42	8 30	0 33	21 4	0 10	12 38	16 58	7 5	7 20	1 15	7 8	1 54
W16	20 16	2 36	0s50	11 56	3 45	14 47	1 9	10 42	0 41	22 6	0 19	15 42	1 42	8 31	0 33	21 4	0 10	12 38	16 58	7 6	7 21	1 11	7 9	1 54
T 17	20 28	3s 2	1 51	11 55	3 49	15 10	1 7	10 58	0 40	22 7	0 19	15 41	1 42	8 32	0 33	21 4	0 10	12 38	16 58	7 6	7 22	1 8	7 10	1 54
F 18	20 40	8 36	2 47	11 57	3 51	15 34	1 5	11 14	0 40	22 7	0 19	15 40	1 42	8 33	0 33	21 3	0 10	12 38	16 59	7 8	7 24	1 4	7 12	1 54
S 19	20 51	13 56	3 36	12 1	3 53	15 56	1 3	11 30	0 39	22 8	0 19	15 39	1 42	8 34	0 33	21 3	0 10	12 38	16 59	7 10	7 25	1 1	7 13	1 54
S 20	21 2	18 49	4 15	12 7	3 54	16 19	1 1	11 45	0 39	22 8	0 20	15 38	1 42	8 35	0 33	21 3	0 10	12 38	16 59	7 14	7 26	0 57	7 14	1 54
M21	21 13	22 59	4 44	12 15	3 54	16 41	0 59	12 1	0 38	22 9	0 20	15 37	1 42	8 36	0 33	21 3	0 10	12 38	16 59	7 18	7 27	0 54	7 15	1 54
T 22	21 23	26 8	4 59	12 26	3 52	17 3	0 57	12 16	0 37	22 10	0 20	15 36	1 41	8 37	0 33	21 2	0 10	12 38	17 0	7 23	7 28	0 50	7 16	1 54
W23	21 33	27 58	4 58	12 38	3 50	17 24	0 55	12 32	0 37	22 10	0 20	15 34	1 41	8 38	0 33	21 2	0 10	12 38	17 0	7 27	7 30	0 47	7 17	1 54
T 24	21 42	28 15	4 42	12 53	3 47	17 45	0 53	12 47	0 36	22 11	0 20	15 33	1 41	8 39	0 33	21 2	0 10	12 38	17 0	7 32	7 31	0 44	7 18	1 54
F 25	21 52	26 51	4 9	13 9	3 43	18 5	0 51	13 2	0 36	22 12	0 21	15 32	1 41	8 40	0 33	21 1	0 10	12 38	17 1	7 35	7 32	0 40	7 19	1 54
S 26	22 0	23 52	3 22	13 27	3 39	18 25	0 49	13 17	0 35	22 13	0 21	15 31	1 41	8 41	0 33	21 1	0 10	12 38	17 1	7 38	7 33	0 37	7 20	1 54
S 27	22 9	19 29	2 23	13 47	3 33	18 44	0 47	13 31	0 34	22 14	0 21	15 29	1 41	8 42	0 33	21 1	0 10	12 38	17 1	7 40	7 35	0 33	7 21	1 54
M28	22 17	14 1	1 15	14 8	3 27	19 3	0 44	13 46	0 34	22 14	0 21	15 28	1 41	8 43	0 33	21 1	0 10	12 38	17 2	7 40	7 36	0 30	7 21	1 54
T 29	22 24	7 47	0 1	14 30	3 20	19 21	0 42	14 1	0 33	22 15	0 21	15 27	1 41	8 44	0 33	21 0	0 10	12 38	17 2	7 40	7 37	0 26	7 22	1 54
W30	22 32	1 8	1n13	14 54	3 13	19 39	0 40	14 15	0 33	22 16	0 21	15 25	1 41	8 45	0 33	21 0	0 10	12 38	17 2	7 40	7 38	0 23	7 23	1 54
T 31	22n38	5n36	2n23	15n19	3s 5	19n57	0s38	14n29	0s32	22s17	0s22	15n24	1n41	8n46	0s33	21n 0	0s10	12s38	17s 3	7s41	7s39	0n20	7n24	1n54

Julian Day Number = 2121126.5, Delta T = 17m57s
Ecliptic obliquity = 23°33'32, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°07'43, Lahiri = 11°14'44 Julian Calendar 1 May 1095 == Greg. Calendar 7 May 1095

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1095
geocentric

JUNE 1095 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 59 44	15♊20'58	22♈50	22♉57	2♊42	11♉ 3	20°R48	23♌23	23♈50	25♋30	7♈32	10°R25	10♓29	26♍ 8	14♈18	F 1
S 2	17 3 40	16°18'11	7♉ 7	24°11	3°55	11°46	20♑43	23°28	23°53	25°32	7°33	10♓18	10°25	26°14	14°20	S 2
S 3	17 7 37	17°15'24	21°20	25°28	5° 9	12°29	20°38	23°32	23°55	25°34	7°34	10°10	10°22	26°21	14°22	S 3
M 4	17 11 33	18°12'36	5♊25	26°49	6°22	13°11	20°33	23°36	23°58	25°36	7°34	9°59	10°19	26°28	14°24	M 4
T 5	17 15 30	19° 9'49	19°17	28°14	7°35	13°54	20°27	23°41	24° 0	25°37	7°35	9°47	10°16	26°34	14°26	T 5
W 6	17 19 27	20° 7'01	2♋51	29°41	8°49	14°37	20°21	23°45	24° 2	25°39	7°35	9°35	10°13	26°41	14°28	W 6
T 7	17 23 23	21° 4'13	16° 5	1♊12	10° 2	15°20	20°16	23°50	24° 4	25°41	7°36	9°25	10° 9	26°48	14°30	T 7
F 8	17 27 20	22° 1'24	28°58	2°46	11°16	16° 2	20°10	23°55	24° 7	25°43	7°36	9°17	10° 6	26°54	14°32	F 8
S 9	17 31 16	22°58'35	11♌31	4°24	12°29	16°45	20° 4	24° 0	24° 9	25°45	7°37	9°12	10° 3	27° 1	14°33	S 9
S 10	17 35 13	23°55'46	23°46	6° 5	13°43	17°27	19°58	24° 4	24°11	25°47	7°37	9° 9	10° 0	27° 8	14°35	S 10
M11	17 39 9	24°52'56	5♍47	7°48	14°56	18°10	19°52	24° 9	24°13	25°49	7°38	9°D 8	9°57	27°14	14°37	M11
T 12	17 43 6	25°50'06	17°40	9°35	16°10	18°52	19°45	24°14	24°15	25°51	7°38	9° 8	9°54	27°21	14°39	T 12
W13	17 47 2	26°47'16	29°29	11°25	17°23	19°34	19°39	24°20	24°17	25°53	7°39	9°R 9	9°50	27°28	14°40	W13
T 14	17 50 59	27°44'25	11♎20	13°18	18°37	20°16	19°32	24°25	24°19	25°55	7°39	9° 8	9°47	27°34	14°42	T 14
F 15	17 54 56	28°41'34	23°17	15°13	19°50	20°58	19°25	24°30	24°21	25°57	7°39	9° 5	9°44	27°41	14°43	F 15
S 16	17 58 52	29°38'43	5♏27	17°11	21° 4	21°41	19°19	24°35	24°23	25°59	7°40	9° 0	9°41	27°48	14°45	S 16
S 17	18 2 49	0♋35'52	17°52	19°11	22°17	22°23	19°12	24°41	24°24	26° 1	7°40	8°53	9°38	27°54	14°46	S 17
M18	18 6 45	1°33'00	0♐35	21°13	23°31	23° 4	19° 5	24°46	24°26	26° 3	7°40	8°43	9°35	28° 1	14°48	M18
T 19	18 10 42	2°30'09	13°38	23°17	24°44	23°46	18°58	24°52	24°28	26° 5	7°41	8°33	9°31	28° 8	14°49	T 19
W20	18 14 38	3°27'18	27° 0	25°23	25°58	24°28	18°51	24°57	24°30	26° 7	7°41	8°22	9°28	28°14	14°50	W20
T 21	18 18 35	4°24'27	10♑39	27°30	27°12	25°10	18°43	25° 3	24°31	26° 9	7°41	8°12	9°25	28°21	14°51	T 21
F 22	18 22 31	5°21'37	24°33	29°38	28°25	25°52	18°36	25° 8	24°33	26°11	7°42	8° 4	9°22	28°28	14°53	F 22
S 23	18 26 28	6°18'46	8♒36	1♋46	29°39	26°33	18°29	25°14	24°35	26°13	7°42	7°59	9°19	28°34	14°54	S 23
S 24	18 30 25	7°15'56	22°46	3°55	0♋52	27°15	18°21	25°20	24°36	26°16	7°42	7°56	9°15	28°41	14°55	S 24
M25	18 34 21	8°13'07	6♓59	6° 4	2° 6	27°56	18°14	25°26	24°38	26°18	7°42	7°D55	9°12	28°48	14°56	M25
T 26	18 38 18	9°10'18	21°11	8°13	3°20	28°38	18° 6	25°32	24°39	26°20	7°42	7°55	9° 9	28°54	14°57	T 26
W27	18 42 14	10° 7'30	5♈22	10°22	4°34	29°19	17°59	25°38	24°41	26°22	7°42	7°R56	9° 6	29° 1	14°58	W27
T 28	18 46 11	11° 4'43	19°30	12°30	5°47	0♊ 0	17°51	25°44	24°42	26°24	7°43	7°56	9° 3	29° 7	14°59	T 28
F 29	18 50 7	12° 1'56	3♉33	14°37	7° 1	0°42	17°43	25°50	24°43	26°26	7°43	7°54	9° 0	29°14	14°59	F 29
S 30	18 54 4	12♋59'10	17♉30	16♋43	8♋15	1♊23	17♑36	25♌56	24♈44	26♋28	7♈43	7♓50	8♓56	29♍21	15♈ 0	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n45	12n 5	3n24	15n46	2s56	20n14	0s35	14n43	0s31	22s18	0s22	15n22	1n40	8n47	0s33	20n59	0s10	12s38	17s 3	7s42	7s41	0n16	7n25	1n54
S 2	22 51	17 56	4 12	16 13	2 47	20 30	0 33	14 57	0 31	22 19	0 22	15 21	1 40	8 48	0 33	20 59	0 10	12 38	17 3	7 44	7 42	0 13	7 26	1 54
S 3	22 57	22 46	4 45	16 40	2 38	20 46	0 31	15 11	0 30	22 20	0 22	15 19	1 40	8 49	0 33	20 59	0 10	12 38	17 4	7 48	7 43	0 9	7 27	1 54
M 4	23 2	26 14	5 0	17 9	2 28	21 1	0 28	15 24	0 29	22 21	0 22	15 18	1 40	8 50	0 33	20 58	0 10	12 38	17 4	7 52	7 44	0 6	7 28	1 54
T 5	23 7	28 3	4 57	17 38	2 17	21 15	0 26	15 38	0 29	22 22	0 23	15 16	1 40	8 50	0 33	20 58	0 10	12 38	17 4	7 56	7 45	0 2	7 28	1 54
W 6	23 11	28 8	4 37	18 8	2 6	21 30	0 24	15 51	0 28	22 23	0 23	15 14	1 40	8 51	0 33	20 58	0 10	12 38	17 5	8 1	7 47	0s 1	7 29	1 54
T 7	23 15	26 35	4 2	18 37	1 55	21 43	0 21	16 4	0 28	22 24	0 23	15 13	1 40	8 52	0 33	20 57	0 10	12 38	17 5	8 5	7 48	0 4	7 30	1 55
F 8	23 19	23 40	3 16	19 7	1 44	21 56	0 19	16 17	0 27	22 25	0 23	15 11	1 40	8 53	0 33	20 57	0 10	12 38	17 5	8 8	7 49	0 8	7 31	1 55
S 9	23 22	19 40	2 21	19 37	1 32	22 8	0 16	16 30	0 26	22 26	0 23	15 9	1 40	8 54	0 33	20 57	0 10	12 38	17 6	8 10	7 50	0 11	7 31	1 55
S 10	23 25	14 56	1 21	20 7	1 20	22 20	0 14	16 43	0 26	22 27	0 24	15 8	1 40	8 54	0 33	20 56	0 10	12 38	17 6	8 11	7 51	0 15	7 32	1 55
M11	23 28	9 43	0 18	20 36	1 8	22 31	0 12	16 56	0 25	22 28	0 24	15 6	1 40	8 55	0 33	20 56	0 9	12 39	17 6	8 11	7 53	0 18	7 33	1 55
T 12	23 30	4 12	0s45	21 4	0 56	22 41	0 9	17 8	0 24	22 29	0 24	15 4	1 39	8 56	0 33	20 56	0 9	12 39	17 7	8 11	7 54	0 22	7 34	1 55
W13	23 31	1s25	1 46	21 32	0 44	22 51	0 7	17 20	0 24	22 31	0 24	15 2	1 39	8 57	0 33	20 55	0 9	12 39	17 7	8 11	7 55	0 25	7 34	1 55
T 14	23 32	6 59	2 42	21 58	0 32	23 0	0 4	17 32	0 23	22 32	0 24	15 1	1 39	8 57	0 33	20 55	0 9	12 39	17 7	8 11	7 56	0 28	7 35	1 55
F 15	23 33	12 22	3 32	22 24	0 20	23 8	0 2	17 44	0 22	22 33	0 24	14 59	1 39	8 58	0 33	20 55	0 9	12 39	17 8	8 12	7 57	0 32	7 35	1 55
S 16	23 33	17 22	4 13	22 48	0 9	23 16	0n 0	17 56	0 22	22 34	0 25	14 57	1 39	8 59	0 33	20 54	0 9	12 39	17 8	8 14	7 59	0 35	7 36	1 55
S 17	23 33	21 46	4 43	23 10	0n 3	23 23	0 3	18 7	0 21	22 35	0 25	14 55	1 39	8 59	0 33	20 54	0 9	12 40	17 8	8 17	8 0	0 39	7 37	1 55
M18	23 33	25 16	5 0	23 30	0 14	23 29	0 5	18 19	0 20	22 36	0 25	14 53	1 39	9 0	0 34	20 53	0 9	12 40	17 9	8 20	8 1	0 42	7 37	1 55
T 19	23 32	27 32	5 2	23 48	0 25	23 35	0 8	18 30	0 19	22 37	0 25	14 51	1 39	9 1	0 34	20 53	0 9	12 40	17 9	8 24	8 2	0 46	7 38	1 55
W20	23 31	28 19	4 47	24 3	0 35	23 40	0 10	18 41	0 19	22 39	0 25	14 49	1 39	9 1	0 34	20 53	0 9	12 40	17 9	8 28	8 3	0 49	7 38	1 55
T 21	23 29	27 23	4 16	24 17	0 45	23 44	0 12	18 52	0 18	22 40	0 25	14 47	1 39	9 2	0 34	20 52	0 9	12 40	17 10	8 32	8 5	0 52	7 39	1 55
F 22	23 27	24 45	3 30	24 27	0 54	23 48	0 15	19 2	0 17	22 41	0 26	14 45	1 39	9 2	0 34	20 52	0 9	12 41	17 10	8 35	8 6	0 56	7 39	1 55
S 23	23 24	20 37	2 30	24 35	1 2	23 51	0 17	19 13	0 17	22 42	0 26	14 43	1 39	9 3	0 34	20 52	0 9	12 41	17 11	8 37	8 7	0 59	7 40	1 55
S 24	23 21	15 15	1 20	24 40	1 10	23 53	0 19	19 23	0 16	22 43	0 26	14 41	1 39	9 3	0 34	20 51	0 9	12 41	17 11	8 38	8 8	1 3	7 40	1 55
M25	23 18	9 4	0 5	24 42	1 17	23 54	0 22	19 33	0 15	22 45	0 26	14 39	1 39	9 4	0 34	20 51	0 9	12 41	17 11	8 39	8 9	1 6	7 41	1 55
T 26	23 14	2 26	1n10	24 42	1 24	23 55	0 24	19 43	0 15	22 46	0 26	14 37	1 39	9 5	0 34	20 50	0 9	12 42	17 12	8 38	8 11	1 10	7 41	1 55
W27	23 10	4n18	2 22	24 38	1 30	23 55	0 26	19 53	0 14	22 47	0 26	14 35	1 39	9 5	0 34	20 50	0 9	12 42	17 12	8 38	8 12	1 13	7 42	1 55
T 28	23 6	10 48	3 24	24 32	1 35	23 54	0 29	20 2	0 13	22 48	0 27	14 33	1 38	9 5	0 34	20 50	0 9	12 42	17 12	8 38	8 13	1 16	7 42	1 55
F 29	23 1	16 43	4 13	24 23	1 39	23 53	0 31	20 12	0 12	22 49	0 27	14 31	1 38	9 6	0 34	20 49	0 9	12 43	17 13	8 39	8 14	1 20	7 42	1 55
S 30	22n55	21n43	4n47	24n12	1n42	23n51	0n33	20n21	0s12	22s50	0s27	14n29	1n38	9n 6	0s34	20n49	0s 9	12s43	17s13	8s40	8s15	1s23	7n43	1n55

Julian Day Number = 2121157.5, Delta T = 17m57s
Ecliptic obliquity = 23°33'32, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°07'47, Lahiri = 11°14'48 Julian Calendar 1 June 1095 == Greg. Calendar 7 June 1095

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1095
geocentric

JULY 1095 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 58 0	13♋56'26	1♊19	18♋47	9♋29	2♊ 4	17°R28	26♌ 2	24♈46	26♋31	7♈43	7°R44	8♓53	29♍27	15♈ 1	S 1
M 2	19 1 57	14°53'42	14°58	20°51	10°42	2°45	17♑20	26° 8	24°47	26°33	7°R43	7♓36	8°50	29°34	15° 1	M 2
T 3	19 5 54	15°50'58	28°24	22°53	11°56	3°26	17°12	26°15	24°48	26°35	7°43	7°27	8°47	29°41	15° 2	T 3
W 4	19 9 50	16°48'16	11♋37	24°54	13°10	4° 7	17° 5	26°21	24°49	26°37	7°43	7°18	8°44	29°47	15° 3	W 4
T 5	19 13 47	17°45'34	24°33	26°53	14°24	4°47	16°57	26°27	24°50	26°39	7°43	7°11	8°41	29°54	15° 3	T 5
F 6	19 17 43	18°42'52	7♌13	28°50	15°38	5°28	16°49	26°34	24°51	26°42	7°43	7° 5	8°37	0♎ 1	15° 4	F 6
S 7	19 21 40	19°40'12	19°36	0♌46	16°52	6° 9	16°41	26°40	24°52	26°44	7°42	7° 2	8°34	0° 7	15° 4	S 7
S 8	19 25 36	20°37'32	1♍46	2°40	18° 6	6°49	16°34	26°47	24°53	26°46	7°42	7°D 0	8°31	0°14	15° 4	S 8
M 9	19 29 33	21°34'52	13°45	4°32	19°20	7°30	16°26	26°53	24°54	26°48	7°42	7° 0	8°28	0°21	15° 5	M 9
T 10	19 33 30	22°32'13	25°36	6°23	20°34	8°10	16°18	27° 0	24°55	26°50	7°42	7° 1	8°25	0°27	15° 5	T 10
W11	19 37 26	23°29'35	7♎25	8°12	21°48	8°51	16°11	27° 7	24°55	26°53	7°42	7° 3	8°21	0°34	15° 5	W11
T 12	19 41 23	24°26'57	19°16	10° 0	23° 2	9°31	16° 3	27°13	24°56	26°55	7°42	7°R 4	8°18	0°41	15° 5	T 12
F 13	19 45 19	25°24'20	1♏13	11°46	24°16	10°11	15°55	27°20	24°57	26°57	7°41	7° 4	8°15	0°47	15°R 5	F 13
S 14	19 49 16	26°21'43	13°24	13°30	25°30	10°51	15°48	27°27	24°57	26°59	7°41	7° 2	8°12	0°54	15° 5	S 14
S 15	19 53 12	27°19'08	25°50	15°12	26°44	11°32	15°40	27°34	24°58	27° 2	7°41	6°59	8° 9	1° 1	15° 5	S 15
M16	19 57 9	28°16'33	8♐38	16°53	27°58	12°12	15°33	27°41	24°58	27° 4	7°41	6°54	8° 6	1° 7	15° 5	M16
T 17	20 1 5	29°13'59	21°48	18°32	29°12	12°52	15°26	27°48	24°59	27° 6	7°40	6°49	8° 2	1°14	15° 5	T 17
W18	20 5 2	0♌11'26	5♑22	20°10	0♌26	13°31	15°18	27°55	24°59	27° 8	7°40	6°43	7°59	1°21	15° 5	W18
T 19	20 8 59	1° 8'54	19°17	21°46	1°40	14°11	15°11	28° 1	24°59	27°11	7°40	6°37	7°56	1°27	15° 4	T 19
F 20	20 12 55	2° 6'23	3♒31	23°20	2°54	14°51	15° 4	28° 8	25° 0	27°13	7°39	6°33	7°53	1°34	15° 4	F 20
S 21	20 16 52	3° 3'53	17°59	24°53	4° 8	15°31	14°57	28°15	25° 0	27°15	7°39	6°30	7°50	1°41	15° 4	S 21
S 22	20 20 48	4° 1'24	2♓35	26°24	5°22	16°10	14°50	28°23	25° 0	27°17	7°39	6°D29	7°47	1°47	15° 3	S 22
M23	20 24 45	4°58'56	17°11	27°54	6°36	16°50	14°43	28°30	25° 0	27°19	7°38	6°29	7°43	1°54	15° 3	M23
T 24	20 28 41	5°56'30	1♈44	29°22	7°50	17°29	14°36	28°37	25° 1	27°22	7°38	6°31	7°40	2° 1	15° 2	T 24
W25	20 32 38	6°54'05	16° 9	0♍48	9° 5	18° 8	14°30	28°44	25° 1	27°24	7°37	6°32	7°37	2° 7	15° 1	W25
T 26	20 36 34	7°51'42	0♉22	2°13	10°19	18°48	14°23	28°51	25°R 1	27°26	7°37	6°33	7°34	2°14	15° 1	T 26
F 27	20 40 31	8°49'21	14°23	3°35	11°33	19°27	14°17	28°58	25° 1	27°28	7°36	6°R33	7°31	2°21	15° 0	F 27
S 28	20 44 28	9°47'01	28° 9	4°56	12°47	20° 6	14°10	29° 6	25° 0	27°30	7°36	6°32	7°27	2°27	14°59	S 28
S 29	20 48 24	10°44'43	11♊41	6°16	14° 2	20°45	14° 4	29°13	25° 0	27°33	7°35	6°30	7°24	2°34	14°59	S 29
M30	20 52 21	11°42'27	24°59	7°33	15°16	21°24	13°58	29°20	25° 0	27°35	7°35	6°27	7°21	2°40	14°58	M30
T 31	20 56 17	12♌40'12	8♋ 2	8♍49	16♌30	22♊ 3	13♑52	29♌27	25♈ 0	27♋37	7♈34	6♓23	7♓18	2♎47	14♈57	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n50	25n29	5n 4	23n58	1n45	23n48	0n35	20n30	0s11	22s52	0s27	14n27	1n38	9n 7	0s34	20n48	0s 9	12s43	17s13	8s43	8s17	1s27	7n43	1n55
M 2	22 43	27 44	5 4	23 42	1 47	23 45	0 37	20 39	0 10	22 53	0 27	14 24	1 38	9 7	0 34	20 48	0 9	12 44	17 14	8 46	8 18	1 30	7 43	1 55
T 3	22 37	28 19	4 46	23 23	1 48	23 40	0 39	20 47	0 9	22 54	0 27	14 22	1 38	9 8	0 34	20 48	0 9	12 44	17 14	8 49	8 19	1 33	7 43	1 55
W 4	22 30	27 15	4 14	23 3	1 49	23 36	0 42	20 56	0 9	22 55	0 27	14 20	1 38	9 8	0 34	20 47	0 9	12 44	17 14	8 52	8 20	1 37	7 44	1 56
T 5	22 22	24 44	3 28	22 40	1 49	23 30	0 44	21 4	0 8	22 56	0 28	14 18	1 38	9 8	0 34	20 47	0 9	12 45	17 15	8 55	8 21	1 40	7 44	1 56
F 6	22 15	21 2	2 34	22 16	1 48	23 24	0 46	21 12	0 7	22 57	0 28	14 15	1 38	9 9	0 34	20 46	0 9	12 45	17 15	8 57	8 23	1 44	7 44	1 56
S 7	22 7	16 29	1 33	21 50	1 47	23 17	0 48	21 20	0 6	22 58	0 28	14 13	1 38	9 9	0 34	20 46	0 9	12 45	17 16	8 58	8 24	1 47	7 44	1 56
S 8	21 58	11 20	0 28	21 22	1 45	23 9	0 50	21 28	0 6	22 59	0 28	14 11	1 38	9 9	0 34	20 45	0 9	12 46	17 16	8 59	8 25	1 51	7 44	1 56
M 9	21 49	5 52	0s37	20 53	1 43	23 0	0 51	21 35	0 5	23 1	0 28	14 9	1 38	9 10	0 34	20 45	0 9	12 46	17 16	8 59	8 26	1 54	7 45	1 56
T 10	21 40	0 14	1 39	20 23	1 40	22 51	0 53	21 43	0 4	23 2	0 28	14 6	1 38	9 10	0 34	20 45	0 9	12 46	17 17	8 59	8 27	1 57	7 45	1 56
W11	21 30	5s22	2 37	19 51	1 36	22 41	0 55	21 50	0 3	23 3	0 28	14 4	1 38	9 10	0 34	20 44	0 9	12 47	17 17	8 58	8 29	2 1	7 45	1 56
T 12	21 20	10 48	3 29	19 19	1 32	22 31	0 57	21 57	0 3	23 4	0 29	14 2	1 38	9 10	0 34	20 44	0 9	12 47	17 17	8 58	8 30	2 4	7 45	1 56
F 13	21 10	15 54	4 12	18 45	1 28	22 20	0 59	22 3	0 2	23 5	0 29	13 59	1 38	9 11	0 34	20 43	0 9	12 48	17 18	8 58	8 31	2 8	7 45	1 56
S 14	20 59	20 27	4 45	18 11	1 23	22 8	1 0	22 10	0 1	23 6	0 29	13 57	1 38	9 11	0 34	20 43	0 9	12 48	17 18	8 58	8 32	2 11	7 45	1 56
S 15	20 48	24 15	5 5	17 35	1 18	21 56	1 2	22 16	0 0	23 7	0 29	13 55	1 38	9 11	0 34	20 43	0 9	12 48	17 18	9 0	8 33	2 14	7 45	1 56
M16	20 37	26 58	5 11	17 0	1 12	21 43	1 4	22 23	0n 1	23 8	0 29	13 52	1 38	9 11	0 34	20 42	0 9	12 49	17 19	9 1	8 35	2 18	7 45	1 56
T 17	20 25	28 18	5 0	16 23	1 6	21 29	1 5	22 29	0 1	23 9	0 29	13 50	1 38	9 11	0 34	20 42	0 9	12 49	17 19	9 3	8 36	2 21	7 45	1 56
W18	20 13	28 0	4 33	15 46	0 59	21 15	1 7	22 34	0 2	23 10	0 29	13 47	1 38	9 11	0 34	20 41	0 9	12 50	17 19	9 5	8 37	2 25	7 45	1 56
T 19	20 0	25 57	3 49	15 9	0 52	21 0	1 8	22 40	0 3	23 11	0 29	13 45	1 38	9 12	0 34	20 41	0 9	12 50	17 20	9 7	8 38	2 28	7 45	1 56
F 20	19 47	22 13	2 50	14 31	0 45	20 44	1 9	22 45	0 4	23 12	0 30	13 42	1 38	9 12	0 34	20 40	0 9	12 51	17 20	9 9	8 39	2 31	7 45	1 56
S 21	19 34	17 6	1 39	13 53	0 38	20 28	1 11	22 50	0 4	23 12	0 30	13 40	1 38	9 12	0 34	20 40	0 9	12 51	17 20	9 10	8 41	2 35	7 45	1 56
S 22	19 21	10 56	0 21	13 15	0 30	20 11	1 12	22 55	0 5	23 13	0 30	13 37	1 38	9 12	0 34	20 40	0 9	12 51	17 21	9 11	8 42	2 38	7 45	1 56
M23	19 7	4 11	0n58	12 37	0 22	19 54	1 13	23 0	0 6	23 14	0 30	13 35	1 38	9 12	0 34	20 39	0 9	12 52	17 21	9 10	8 43	2 42	7 44	1 56
T 24	18 53	2n45	2 14	11 58	0 14	19 36	1 14	23 5	0 7	23 15	0 30	13 32	1 38	9 12	0 34	20 39	0 9	12 52	17 21	9 10	8 44	2 45	7 44	1 56
W25	18 38	9 28	3 20	11 20	0 6	19 17	1 16	23 9	0 8	23 16	0 30	13 30	1 38	9 12	0 34	20 38	0 9	12 53	17 22	9 9	8 45	2 48	7 44	1 56
T 26	18 24	15 37	4 14	10 42	0s 3	18 58	1 17	23 14	0 9	23 17	0 30	13 27	1 38	9 12	0 34	20 38	0 9	12 53	17 22	9 9	8 46	2 52	7 44	1 56
F 27	18 9	20 51	4 51	10 3	0 12	18 39	1 18	23 18	0 9	23 17	0 30	13 25	1 38	9 12	0 34	20 37	0 9	12 54	17 22	9 9	8 48	2 55	7 44	1 56
S 28	17 53	24 53	5 11	9 25	0 21	18 19	1 19	23 21	0 10	23 18	0 30	13 22	1 38	9 12	0 34	20 37	0 9	12 54	17 23	9 9	8 49	2 59	7 43	1 56
S 29	17 38	27 28	5 13	8 48	0 30	17 58	1 19	23 25	0 11	23 19	0 30	13 20	1 38	9 12	0 34	20 37	0 9	12 55	17 23	9 10	8 50	3 2	7 43	1 56
M30	17 22	28 25	4 58	8 10	0 39	17 37	1 20	23 29	0 12	23 20	0 31	13 17	1 38	9 12	0 34	20 36	0 9	12 55	17 23	9 12	8 51	3 5	7 43	1 56
T 31	17n 5	27n46	4n28	7n33	0s49	17n15	1n21	23n32	0n13	23s20	0s31	13n15	1n38	9n11	0s34	20n36	0s 9	12s56	17s24	9s13	8s52	3s 9	7n42	1n57

Julian Day Number = 2121187.5, Delta T = 17m57s
Ecliptic obliquity = 23°33'31, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°07'51, Lahiri = 11°14'52 Julian Calendar 1 July 1095 == Greg. Calendar 7 July 1095

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1095
geocentric

AUGUST 1095 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 0 14	13♌37'59	20♋51	10♍ 3	17♌44	22♊42	13°R46	29♌35	25°R 0	27♋39	7°R34	6°R19	7♓15	2♎54	14°R56	W 1
T 2	21 4 10	14°35'47	3♌27	11°14	18°59	23°20	13♏41	29°42	24♈59	27°41	7♈33	6♓16	7°12	3° 0	14♈55	T 2
F 3	21 8 7	15°33'37	15°51	12°24	20°13	23°59	13°35	29°49	24°59	27°43	7°32	6°14	7° 8	3° 7	14°54	F 3
S 4	21 12 3	16°31'29	28° 3	13°32	21°27	24°38	13°30	29°57	24°58	27°46	7°32	6°13	7° 5	3°14	14°53	S 4
S 5	21 16 0	17°29'21	10♍ 5	14°37	22°42	25°16	13°24	0♍ 4	24°58	27°48	7°31	6°D13	7° 2	3°20	14°51	S 5
M 6	21 19 57	18°27'15	21°59	15°40	23°56	25°55	13°19	0°12	24°57	27°50	7°30	6°13	6°59	3°27	14°50	M 6
T 7	21 23 53	19°25'11	3♎48	16°40	25°10	26°33	13°14	0°19	24°57	27°52	7°30	6°15	6°56	3°34	14°49	T 7
W 8	21 27 50	20°23'08	15°36	17°38	26°25	27°11	13°10	0°26	24°56	27°54	7°29	6°16	6°53	3°40	14°48	W 8
T 9	21 31 46	21°21'06	27°26	18°32	27°39	27°49	13° 5	0°34	24°55	27°56	7°28	6°17	6°49	3°47	14°46	T 9
F 10	21 35 43	22°19'06	9♏23	19°24	28°54	28°27	13° 1	0°41	24°55	27°58	7°27	6°18	6°46	3°54	14°45	F 10
S 11	21 39 39	23°17'07	21°32	20°13	0♍ 8	29° 5	12°56	0°49	24°54	28° 0	7°27	6°R19	6°43	4° 0	14°43	S 11
S 12	21 43 36	24°15'10	3♐56	20°59	1°22	29°43	12°52	0°56	24°53	28° 2	7°26	6°19	6°40	4° 7	14°42	S 12
M13	21 47 32	25°13'14	16°41	21°41	2°37	0♋21	12°48	1° 4	24°52	28° 4	7°25	6°18	6°37	4°14	14°40	M13
T 14	21 51 29	26°11'20	29°50	22°19	3°51	0°59	12°44	1°11	24°51	28° 6	7°24	6°17	6°33	4°20	14°39	T 14
W15	21 55 26	27° 9'27	13♑24	22°53	5° 6	1°36	12°41	1°19	24°50	28° 8	7°23	6°16	6°30	4°27	14°37	W15
T 16	21 59 22	28° 7'36	27°25	23°23	6°20	2°14	12°37	1°26	24°49	28°10	7°23	6°15	6°27	4°34	14°35	T 16
F 17	22 3 19	29° 5'46	11♒49	23°48	7°34	2°51	12°34	1°34	24°48	28°12	7°22	6°14	6°24	4°40	14°34	F 17
S 18	22 7 15	0♍ 3'58	26°33	24° 8	8°49	3°29	12°31	1°41	24°47	28°14	7°21	6°13	6°21	4°47	14°32	S 18
S 19	22 11 12	1° 2'11	11♓29	24°23	10° 3	4° 6	12°28	1°49	24°46	28°16	7°20	6°D13	6°18	4°54	14°30	S 19
M20	22 15 8	2° 0'27	26°29	24°33	11°18	4°43	12°25	1°56	24°45	28°18	7°19	6°14	6°14	5° 0	14°28	M20
T 21	22 19 5	2°58'44	11♈26	24°R37	12°32	5°20	12°23	2° 4	24°44	28°20	7°18	6°14	6°11	5° 7	14°26	T 21
W22	22 23 1	3°57'04	26°11	24°34	13°47	5°57	12°21	2°11	24°42	28°22	7°17	6°14	6° 8	5°14	14°24	W22
T 23	22 26 58	4°55'25	10♉40	24°26	15° 1	6°34	12°19	2°19	24°41	28°24	7°16	6°14	6° 5	5°20	14°22	T 23
F 24	22 30 55	5°53'49	24°48	24°10	16°16	7°11	12°17	2°26	24°40	28°26	7°15	6°14	6° 2	5°27	14°20	F 24
S 25	22 34 51	6°52'15	8♊34	23°49	17°30	7°48	12°15	2°34	24°38	28°28	7°14	6°14	5°59	5°34	14°18	S 25
S 26	22 38 48	7°50'44	21°58	23°20	18°45	8°24	12°13	2°41	24°37	28°29	7°13	6°14	5°55	5°40	14°16	S 26
M27	22 42 44	8°49'14	5♋ 3	22°44	19°59	9° 1	12°12	2°49	24°36	28°31	7°12	6°15	5°52	5°47	14°14	M27
T 28	22 46 41	9°47'47	17°50	22° 3	21°14	9°37	12°11	2°56	24°34	28°33	7°11	6°15	5°49	5°54	14°12	T 28
W29	22 50 37	10°46'22	0♌22	21°15	22°28	10°14	12°10	3° 4	24°32	28°35	7°10	6°15	5°46	6° 0	14° 9	W29
T 30	22 54 34	11°44'59	12°41	20°21	23°43	10°50	12° 9	3°11	24°31	28°36	7° 9	6°16	5°43	6° 7	14° 7	T 30
F 31	22 58 30	12♍43'38	24♌49	19♍23	24♍57	11♋26	12♑ 8	3♍19	24♈29	28♋38	7♈ 8	6♓16	5♓39	6♎14	14♈ 5	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n49	25n38	3n44	6n56	0s58	16n53	1n22	23n35	0n14	23s21	0s31	13n12	1n38	9n11	0s34	20n35	0s 9	12s56	17s24	9s14	8s54	3s12	7n42	1n57
T 2	16 32	22 15	2 51	6 20	1 8	16 31	1 22	23 38	0 14	23 22	0 31	13 10	1 38	9 11	0 34	20 35	0 9	12 57	17 24	9 15	8 55	3 16	7 42	1 57
F 3	16 15	17 55	1 50	5 45	1 18	16 8	1 23	23 40	0 15	23 22	0 31	13 7	1 38	9 11	0 35	20 35	0 9	12 57	17 24	9 16	8 56	3 19	7 41	1 57
S 4	15 58	12 55	0 45	5 10	1 28	15 44	1 24	23 43	0 16	23 23	0 31	13 4	1 38	9 11	0 35	20 34	0 9	12 58	17 25	9 17	8 57	3 22	7 41	1 57
S 5	15 40	7 30	0s21	4 35	1 38	15 20	1 24	23 45	0 17	23 24	0 31	13 2	1 38	9 11	0 35	20 34	0 9	12 58	17 25	9 17	8 58	3 26	7 40	1 57
M 6	15 22	1 53	1 26	4 2	1 48	14 56	1 24	23 47	0 18	23 24	0 31	12 59	1 38	9 10	0 35	20 33	0 9	12 59	17 25	9 16	9 0	3 29	7 40	1 57
T 7	15 4	3s46	2 27	3 29	1 57	14 31	1 25	23 49	0 19	23 25	0 31	12 57	1 38	9 10	0 35	20 33	0 9	12 59	17 26	9 16	9 1	3 33	7 39	1 57
W 8	14 46	9 15	3 21	2 58	2 7	14 6	1 25	23 51	0 19	23 25	0 31	12 54	1 38	9 10	0 35	20 32	0 9	13 0	17 26	9 15	9 2	3 36	7 39	1 57
T 9	14 27	14 27	4 7	2 27	2 17	13 41	1 25	23 53	0 20	23 26	0 31	12 51	1 38	9 10	0 35	20 32	0 9	13 0	17 26	9 15	9 3	3 39	7 38	1 57
F 10	14 8	19 9	4 43	1 58	2 27	13 15	1 25	23 54	0 21	23 26	0 31	12 49	1 38	9 9	0 35	20 32	0 9	13 1	17 26	9 15	9 4	3 43	7 38	1 57
S 11	13 49	23 10	5 6	1 30	2 37	12 49	1 25	23 55	0 22	23 27	0 31	12 46	1 38	9 9	0 35	20 31	0 9	13 2	17 27	9 14	9 5	3 46	7 37	1 57
S 12	13 30	26 13	5 17	1 3	2 46	12 22	1 25	23 56	0 23	23 27	0 32	12 43	1 38	9 9	0 35	20 31	0 9	13 2	17 27	9 14	9 7	3 49	7 37	1 57
M13	13 11	28 3	5 12	0 38	2 56	11 55	1 25	23 57	0 24	23 28	0 32	12 41	1 38	9 8	0 35	20 30	0 9	13 3	17 27	9 15	9 8	3 53	7 36	1 57
T 14	12 51	28 24	4 51	0 14	3 5	11 28	1 25	23 58	0 25	23 28	0 32	12 38	1 38	9 8	0 35	20 30	0 9	13 3	17 27	9 15	9 9	3 56	7 36	1 57
W15	12 31	27 4	4 13	0s 7	3 13	11 0	1 25	23 59	0 26	23 29	0 32	12 35	1 38	9 8	0 35	20 30	0 9	13 4	17 28	9 16	9 10	4 0	7 35	1 57
T 16	12 11	24 2	3 19	0 27	3 22	10 33	1 25	23 59	0 27	23 29	0 32	12 33	1 38	9 7	0 35	20 29	0 9	13 4	17 28	9 16	9 11	4 3	7 34	1 57
F 17	11 51	19 26	2 11	0 44	3 30	10 4	1 24	23 59	0 27	23 29	0 32	12 30	1 38	9 7	0 35	20 29	0 9	13 5	17 28	9 16	9 12	4 6	7 34	1 57
S 18	11 30	13 34	0 54	0 59	3 38	9 36	1 24	23 59	0 28	23 30	0 32	12 28	1 38	9 6	0 35	20 29	0 9	13 5	17 28	9 16	9 14	4 10	7 33	1 57
S 19	11 10	6 51	0n29	1 12	3 45	9 7	1 24	23 59	0 29	23 30	0 32	12 25	1 39	9 6	0 35	20 28	0 9	13 6	17 29	9 16	9 15	4 13	7 32	1 57
M20	10 49	0n17	1 50	1 21	3 51	8 39	1 23	23 59	0 30	23 30	0 32	12 22	1 39	9 6	0 35	20 28	0 9	13 6	17 29	9 16	9 16	4 16	7 31	1 57
T 21	10 28	7 21	3 3	1 28	3 57	8 9	1 22	23 58	0 31	23 31	0 32	12 20	1 39	9 5	0 35	20 27	0 9	13 7	17 29	9 16	9 17	4 20	7 31	1 57
W22	10 7	13 56	4 3	1 31	4 1	7 40	1 22	23 57	0 32	23 31	0 32	12 17	1 39	9 5	0 35	20 27	0 9	13 8	17 29	9 16	9 18	4 23	7 30	1 57
T 23	9 45	19 37	4 47	1 31	4 5	7 11	1 21	23 57	0 33	23 31	0 32	12 14	1 39	9 4	0 35	20 27	0 9	13 8	17 29	9 16	9 20	4 27	7 29	1 57
F 24	9 24	24 5	5 11	1 28	4 8	6 41	1 20	23 56	0 34	23 31	0 32	12 12	1 39	9 4	0 35	20 26	0 9	13 9	17 30	9 16	9 21	4 30	7 28	1 57
S 25	9 2	27 4	5 17	1 20	4 9	6 11	1 19	23 54	0 35	23 32	0 32	12 9	1 39	9 3	0 35	20 26	0 9	13 9	17 30	9 16	9 22	4 33	7 28	1 57
S 26	8 40	28 24	5 6	1 9	4 9	5 41	1 19	23 53	0 36	23 32	0 32	12 6	1 39	9 3	0 35	20 26	0 9	13 10	17 30	9 16	9 23	4 37	7 27	1 57
M27	8 18	28 6	4 38	0 53	4 7	5 10	1 18	23 52	0 37	23 32	0 32	12 4	1 39	9 2	0 35	20 25	0 9	13 10	17 30	9 16	9 24	4 40	7 26	1 57
T 28	7 56	26 18	3 58	0 34	4 4	4 40	1 17	23 50	0 38	23 32	0 32	12 1	1 39	9 1	0 35	20 25	0 9	13 11	17 30	9 16	9 25	4 43	7 25	1 57
W29	7 34	23 13	3 7	0 10	3 59	4 9	1 16	23 48	0 39	23 32	0 32	11 58	1 39	9 1	0 35	20 24	0 9	13 11	17 30	9 16	9 27	4 47	7 24	1 57
T 30	7 11	19 7	2 7	0n18	3 52	3 39	1 14	23 46	0 39	23 32	0 32	11 56	1 39	9 0	0 35	20 24	0 9	13 12	17 31	9 15	9 28	4 50	7 23	1 57
F 31	6n49	14n18	1n 3	0n49	3s43	3n 8	1n13	23n44	0n40	23s32	0s32	11n53	1n39	9n 0	0s35	20n24	0s 9	13s12	17s31	9s15	9s29	4s53	7n22	1n57

Julian Day Number = 2121218.5, Delta T = 17m57s
Ecliptic obliquity = 23°33'32, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°07'56, Lahiri = 11°14'56 Julian Calendar 1 Aug. 1095 == Greg. Calendar 7 Aug. 1095

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1095
geocentric

SEPTEMBER 1095 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 2 27	13♍42'19	6♍49	18°R21	26♍12	12♋ 2	12°R 8	3♍26	24°R28	28♋40	7°R 7	6°R16	5♓36	6♎20	14°R 2	S 1
S 2	23 6 24	14°41'03	18°43	17♍17	27°26	12°38	12♌ 8	3°34	24♈26	28°42	7♈ 6	6♓16	5°33	6°27	14♈ 0	S 2
M 3	23 10 20	15°39'48	0♎33	16°12	28°41	13°14	12°D 8	3°41	24°24	28°43	7° 5	6°15	5°30	6°34	13°58	M 3
T 4	23 14 17	16°38'35	12°21	15° 8	29°56	13°49	12° 8	3°48	24°22	28°45	7° 4	6°14	5°27	6°40	13°55	T 4
W 5	23 18 13	17°37'24	24°10	14° 5	1♎10	14°25	12° 8	3°56	24°21	28°46	7° 3	6°13	5°24	6°47	13°53	W 5
T 6	23 22 10	18°36'15	6♏ 2	13° 7	2°25	15° 0	12° 9	4° 3	24°19	28°48	7° 2	6°11	5°20	6°54	13°50	T 6
F 7	23 26 6	19°35'08	18° 0	12°14	3°39	15°36	12°10	4°11	24°17	28°50	7° 1	6° 9	5°17	7° 0	13°48	F 7
S 8	23 30 3	20°34'02	0♐ 8	11°28	4°54	16°11	12°11	4°18	24°15	28°51	7° 0	6° 8	5°14	7° 7	13°45	S 8
S 9	23 33 59	21°32'59	12°30	10°50	6° 8	16°46	12°12	4°25	24°13	28°53	6°59	6° 7	5°11	7°14	13°43	S 9
M10	23 37 56	22°31'57	25°11	10°21	7°23	17°21	12°13	4°32	24°11	28°54	6°58	6°D 6	5° 8	7°20	13°40	M10
T 11	23 41 52	23°30'58	8♑12	10° 2	8°37	17°56	12°15	4°40	24° 9	28°56	6°56	6° 7	5° 4	7°27	13°37	T 11
W12	23 45 49	24°30'00	21°39	9°D53	9°52	18°31	12°16	4°47	24° 7	28°57	6°55	6° 8	5° 1	7°34	13°35	W12
T 13	23 49 46	25°29'03	5♒33	9°54	11° 7	19° 5	12°18	4°54	24° 5	28°58	6°54	6° 9	4°58	7°40	13°32	T 13
F 14	23 53 42	26°28'09	19°53	10° 6	12°21	19°40	12°21	5° 1	24° 3	29° 0	6°53	6°11	4°55	7°47	13°30	F 14
S 15	23 57 39	27°27'16	4♓37	10°28	13°36	20°14	12°23	5° 9	24° 1	29° 1	6°52	6°R11	4°52	7°54	13°27	S 15
S 16	0 1 35	28°26'25	19°40	11° 0	14°50	20°49	12°25	5°16	23°59	29° 3	6°51	6°11	4°49	8° 0	13°24	S 16
M17	0 5 32	29°25'37	4♈54	11°41	16° 5	21°23	12°28	5°23	23°56	29° 4	6°50	6° 9	4°45	8° 7	13°21	M17
T 18	0 9 28	0♎24'50	20° 8	12°30	17°19	21°57	12°31	5°30	23°54	29° 5	6°48	6° 7	4°42	8°14	13°19	T 18
W19	0 13 25	1°24'06	5♉12	13°28	18°34	22°31	12°34	5°37	23°52	29° 6	6°47	6° 3	4°39	8°20	13°16	W19
T 20	0 17 21	2°23'24	19°59	14°32	19°48	23° 5	12°37	5°44	23°50	29° 8	6°46	6° 0	4°36	8°27	13°13	T 20
F 21	0 21 18	3°22'44	4♊21	15°43	21° 3	23°38	12°41	5°51	23°47	29° 9	6°45	5°56	4°33	8°34	13°10	F 21
S 22	0 25 15	4°22'07	18°15	16°59	22°17	24°12	12°44	5°58	23°45	29°10	6°44	5°54	4°30	8°40	13° 8	S 22
S 23	0 29 11	5°21'32	1♋43	18°20	23°32	24°45	12°48	6° 5	23°43	29°11	6°43	5°D53	4°26	8°47	13° 5	S 23
M24	0 33 8	6°21'00	14°44	19°45	24°46	25°19	12°52	6°12	23°41	29°12	6°42	5°53	4°23	8°54	13° 2	M24
T 25	0 37 4	7°20'30	27°24	21°14	26° 1	25°52	12°56	6°18	23°38	29°13	6°40	5°55	4°20	9° 0	12°59	T 25
W26	0 41 1	8°20'02	9♌46	22°46	27°15	26°25	13° 1	6°25	23°36	29°14	6°39	5°56	4°17	9° 7	12°56	W26
T 27	0 44 57	9°19'36	21°54	24°20	28°30	26°58	13° 5	6°32	23°34	29°15	6°38	5°58	4°14	9°14	12°53	T 27
F 28	0 48 54	10°19'13	3♍52	25°56	29°44	27°30	13°10	6°39	23°31	29°16	6°37	5°R59	4°10	9°20	12°51	F 28
S 29	0 52 50	11°18'52	15°44	27°34	0♏59	28° 3	13°15	6°45	23°29	29°17	6°36	5°58	4° 7	9°27	12°48	S 29
S 30	0 56 47	12♎18'33	27♍33	29♍13	2♏14	28♋35	13♌20	6♍52	23♈26	29♋18	6♈35	5♓56	4♓ 4	9♎34	12♈45	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6n26	9n 0	0s 3	1n23	3s32	2n37	1n12	23n42	0n41	23s32	0s32	11n50	1n39	8n59	0s35	20n23	0s 9	13s13	17s31	9s15	9s30	4s57	7n21	1n57
S 2	6 4	3 26	1 9	2 0	3 19	2 6	1 11	23 40	0 42	23 32	0 32	11 48	1 40	8 58	0 35	20 23	0 9	13 14	17 31	9 15	9 31	5 0	7 21	1 57
M 3	5 41	2s13	2 11	2 39	3 4	1 35	1 9	23 37	0 43	23 32	0 32	11 45	1 40	8 58	0 35	20 23	0 9	13 14	17 31	9 16	9 32	5 3	7 20	1 57
T 4	5 18	7 46	3 7	3 19	2 48	1 4	1 8	23 34	0 44	23 32	0 32	11 43	1 40	8 57	0 35	20 22	0 9	13 15	17 31	9 16	9 34	5 7	7 19	1 57
W 5	4 55	13 4	3 55	3 59	2 30	0 33	1 6	23 32	0 45	23 32	0 33	11 40	1 40	8 56	0 35	20 22	0 9	13 15	17 31	9 17	9 35	5 10	7 18	1 57
T 6	4 32	17 54	4 34	4 39	2 11	0 1	1 5	23 29	0 46	23 32	0 33	11 37	1 40	8 56	0 35	20 22	0 9	13 16	17 32	9 17	9 36	5 14	7 17	1 57
F 7	4 9	22 5	5 1	5 17	1 51	0s30	1 3	23 26	0 47	23 32	0 33	11 35	1 40	8 55	0 35	20 21	0 9	13 16	17 32	9 18	9 37	5 17	7 16	1 57
S 8	3 45	25 24	5 15	5 53	1 31	1 1	1 1	23 22	0 48	23 32	0 33	11 32	1 40	8 54	0 35	20 21	0 9	13 17	17 32	9 19	9 38	5 20	7 15	1 57
S 9	3 22	27 36	5 14	6 27	1 11	1 32	1 0	23 19	0 49	23 32	0 33	11 30	1 40	8 53	0 35	20 21	0 9	13 17	17 32	9 19	9 40	5 24	7 14	1 57
M10	2 59	28 27	4 59	6 56	0 51	2 3	0 58	23 16	0 50	23 32	0 33	11 27	1 40	8 53	0 35	20 21	0 9	13 18	17 32	9 19	9 41	5 27	7 13	1 57
T 11	2 35	27 46	4 28	7 21	0 32	2 35	0 56	23 12	0 51	23 32	0 33	11 24	1 40	8 52	0 35	20 20	0 9	13 18	17 32	9 19	9 42	5 30	7 11	1 57
W12	2 12	25 27	3 42	7 42	0 13	3 6	0 54	23 8	0 52	23 32	0 33	11 22	1 41	8 51	0 35	20 20	0 9	13 19	17 32	9 18	9 43	5 34	7 10	1 57
T 13	1 48	21 35	2 41	7 58	0n 5	3 37	0 52	23 4	0 53	23 32	0 33	11 19	1 41	8 50	0 35	20 20	0 9	13 19	17 32	9 18	9 44	5 37	7 9	1 57
F 14	1 25	16 20	1 29	8 9	0 21	4 8	0 50	23 0	0 54	23 32	0 33	11 17	1 41	8 50	0 35	20 19	0 9	13 20	17 32	9 17	9 45	5 40	7 8	1 57
S 15	1 1	10 0	0 9	8 15	0 37	4 39	0 48	22 56	0 56	23 31	0 33	11 14	1 41	8 49	0 35	20 19	0 9	13 20	17 32	9 17	9 47	5 44	7 7	1 56
S 16	0 37	2 59	1n14	8 16	0 51	5 10	0 46	22 52	0 57	23 31	0 33	11 12	1 41	8 48	0 35	20 19	0 8	13 21	17 32	9 17	9 48	5 47	7 6	1 56
M17	0 14	4n16	2 32	8 12	1 4	5 40	0 44	22 48	0 58	23 31	0 33	11 9	1 41	8 47	0 35	20 19	0 8	13 21	17 32	9 18	9 49	5 50	7 5	1 56
T 18	0s10	11 17	3 39	8 3	1 15	6 11	0 42	22 44	0 59	23 31	0 33	11 7	1 41	8 46	0 35	20 18	0 8	13 22	17 33	9 19	9 50	5 54	7 4	1 56
W19	0 34	17 33	4 30	7 50	1 25	6 42	0 40	22 39	1 0	23 30	0 33	11 4	1 41	8 46	0 35	20 18	0 8	13 22	17 33	9 20	9 51	5 57	7 3	1 56
T 20	0 57	22 40	5 2	7 33	1 33	7 12	0 38	22 34	1 1	23 30	0 33	11 2	1 42	8 45	0 35	20 18	0 8	13 23	17 33	9 22	9 52	6 0	7 2	1 56
F 21	1 21	26 15	5 14	7 12	1 41	7 42	0 36	22 30	1 2	23 30	0 33	10 59	1 42	8 44	0 35	20 18	0 8	13 23	17 33	9 23	9 54	6 4	7 0	1 56
S 22	1 45	28 8	5 7	6 48	1 46	8 12	0 33	22 25	1 3	23 29	0 33	10 57	1 42	8 43	0 35	20 17	0 8	13 24	17 33	9 24	9 55	6 7	6 59	1 56
S 23	2 8	28 16	4 43	6 20	1 51	8 42	0 31	22 20	1 4	23 29	0 33	10 54	1 42	8 42	0 35	20 17	0 8	13 24	17 33	9 24	9 56	6 10	6 58	1 56
M24	2 32	26 48	4 5	5 50	1 55	9 12	0 29	22 15	1 5	23 29	0 33	10 52	1 42	8 41	0 35	20 17	0 8	13 25	17 33	9 24	9 57	6 13	6 57	1 56
T 25	2 56	23 59	3 16	5 17	1 57	9 41	0 26	22 10	1 6	23 28	0 33	10 49	1 42	8 41	0 35	20 17	0 8	13 25	17 33	9 23	9 58	6 17	6 56	1 56
W26	3 19	20 7	2 19	4 42	1 59	10 11	0 24	22 5	1 7	23 28	0 33	10 47	1 42	8 40	0 35	20 16	0 8	13 25	17 33	9 23	9 59	6 20	6 55	1 56
T 27	3 43	15 29	1 16	4 5	2 0	10 40	0 21	21 59	1 9	23 27	0 33	10 45	1 43	8 39	0 35	20 16	0 8	13 26	17 33	9 22	10 0	6 23	6 54	1 56
F 28	4 6	10 19	0 12	3 27	1 59	11 9	0 19	21 54	1 10	23 27	0 33	10 42	1 43	8 38	0 35	20 16	0 8	13 26	17 33	9 22	10 2	6 27	6 52	1 56
S 29	4 30	4 50	0s53	2 47	1 58	11 37	0 16	21 49	1 11	23 26	0 33	10 40	1 43	8 37	0 35	20 16	0 8	13 27	17 33	9 22	10 3	6 30	6 51	1 56
S 30	4s53	0s47	1s55	2n 6	1n57	12s 5	0n14	21n43	1n12	23s26	0s33	10n38	1n43	8n36	0s35	20n16	0s 8	13s27	17s33	9s23	10s 4	6s33	6n50	1n56

Julian Day Number = 2121249.5, Delta T = 17m56s
Ecliptic obliquity = 23°33'32, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°08'00, Lahiri = 11°15'00 Julian Calendar 1 Sept. 1095 == Greg. Calendar 7 Sept. 1095

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1095
geocentric

OCTOBER 1095 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 0 44	13♎18'16	9♎21	0♎53	3♏28	29♋ 7	13♑25	6♍58	23°R24	29♋19	6°R33	5°R52	4♓ 1	9♎40	12°R42	M 1
T 2	1 4 40	14°18'01	21°11	2°34	4°43	29°39	13°31	7° 5	23♈21	29°20	6♈32	5♓46	3°58	9°47	12♈39	T 2
W 3	1 8 37	15°17'48	3♏ 4	4°15	5°57	0♌11	13°36	7°11	23°19	29°21	6°31	5°39	3°55	9°54	12°36	W 3
T 4	1 12 33	16°17'37	15° 1	5°56	7°12	0°43	13°42	7°18	23°17	29°22	6°30	5°31	3°51	10° 0	12°33	T 4
F 5	1 16 30	17°17'28	27° 6	7°38	8°26	1°15	13°48	7°24	23°14	29°22	6°29	5°23	3°48	10° 7	12°31	F 5
S 6	1 20 26	18°17'21	9♐19	9°19	9°41	1°46	13°54	7°31	23°12	29°23	6°28	5°16	3°45	10°14	12°28	S 6
S 7	1 24 23	19°17'16	21°44	11° 1	10°55	2°17	14° 0	7°37	23° 9	29°24	6°27	5°11	3°42	10°20	12°25	S 7
M 8	1 28 19	20°17'13	4♑23	12°42	12°10	2°48	14° 7	7°43	23° 7	29°24	6°26	5° 7	3°39	10°27	12°22	M 8
T 9	1 32 16	21°17'11	17°19	14°23	13°24	3°19	14°13	7°49	23° 4	29°25	6°24	5°D 6	3°36	10°34	12°19	T 9
W10	1 36 13	22°17'11	0♒37	16° 4	14°38	3°50	14°20	7°55	23° 2	29°26	6°23	5° 6	3°32	10°40	12°17	W10
T 11	1 40 9	23°17'12	14°18	17°44	15°53	4°20	14°27	8° 1	22°59	29°26	6°22	5° 7	3°29	10°47	12°14	T 11
F 12	1 44 6	24°17'15	28°24	19°24	17° 7	4°51	14°34	8° 7	22°57	29°27	6°21	5°R 8	3°26	10°54	12°11	F 12
S 13	1 48 2	25°17'20	12♓55	21° 4	18°22	5°21	14°41	8°13	22°54	29°27	6°20	5° 8	3°23	11° 0	12° 8	S 13
S 14	1 51 59	26°17'26	27°48	22°43	19°36	5°51	14°48	8°19	22°52	29°28	6°19	5° 6	3°20	11° 7	12° 6	S 14
M15	1 55 55	27°17'34	12♈57	24°21	20°51	6°20	14°56	8°25	22°49	29°28	6°18	5° 2	3°16	11°14	12° 3	M15
T 16	1 59 52	28°17'44	28°12	26° 0	22° 5	6°50	15° 4	8°31	22°47	29°28	6°17	4°55	3°13	11°20	12° 0	T 16
W17	2 3 48	29°17'56	13♉24	27°38	23°19	7°19	15°11	8°36	22°45	29°29	6°16	4°47	3°10	11°27	11°57	W17
T 18	2 7 45	0♏18'09	28°20	29°15	24°34	7°48	15°19	8°42	22°42	29°29	6°15	4°38	3° 7	11°34	11°55	T 18
F 19	2 11 42	1°18'25	12♊54	0♏53	25°48	8°17	15°27	8°47	22°40	29°29	6°14	4°30	3° 4	11°41	11°52	F 19
S 20	2 15 38	2°18'43	27° 0	2°29	27° 3	8°46	15°36	8°53	22°37	29°30	6°13	4°23	3° 1	11°47	11°49	S 20
S 21	2 19 35	3°19'02	10♋35	4° 6	28°17	9°15	15°44	8°58	22°35	29°30	6°12	4°18	2°57	11°54	11°47	S 21
M22	2 23 31	4°19'24	23°42	5°42	29°31	9°43	15°52	9° 4	22°32	29°30	6°11	4°16	2°54	12° 1	11°44	M22
T 23	2 27 28	5°19'48	6♌23	7°17	0♐46	10°11	16° 1	9° 9	22°30	29°30	6°10	4°D15	2°51	12° 7	11°42	T 23
W24	2 31 24	6°20'13	18°43	8°53	2° 0	10°39	16°10	9°14	22°28	29°30	6° 9	4°16	2°48	12°14	11°39	W24
T 25	2 35 21	7°20'41	0♍47	10°28	3°14	11° 6	16°19	9°19	22°25	29°30	6° 8	4°R16	2°45	12°21	11°37	T 25
F 26	2 39 17	8°21'10	12°41	12° 3	4°29	11°34	16°28	9°24	22°23	29°31	6° 7	4°16	2°42	12°27	11°34	F 26
S 27	2 43 14	9°21'42	24°30	13°37	5°43	12° 1	16°37	9°29	22°21	29°R31	6° 6	4°14	2°38	12°34	11°32	S 27
S 28	2 47 11	10°22'15	6♎17	15°11	6°57	12°28	16°46	9°34	22°18	29°31	6° 5	4° 9	2°35	12°41	11°29	S 28
M29	2 51 7	11°22'49	18° 6	16°45	8°12	12°54	16°56	9°39	22°16	29°30	6° 4	4° 1	2°32	12°47	11°27	M29
T 30	2 55 4	12°23'26	29°59	18°19	9°26	13°20	17° 5	9°44	22°14	29°30	6° 3	3°51	2°29	12°54	11°25	T 30
W31	2 59 0	13♏24'04	12♏ 0	19♏53	10♐40	13♌47	17♑15	9♍48	22♈11	29♋30	6♈ 2	3♓39	2♓26	13♎ 1	11♈22	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s17	6s21	2s52	1n24	1n55	12s33	0n11	21n38	1n13	23s25	0s33	10n35	1n43	8n35	0s35	20n16	0s 8	13s28	17s32	9s24	10s 5	6s37	6n49	1n56
T 2	5 40	11 43	3 41	0 41	1 52	13 1	0 9	21 32	1 14	23 25	0 33	10 33	1 43	8 34	0 35	20 15	0 8	13 28	17 32	9 27	10 6	6 40	6 48	1 55
W 3	6 3	16 40	4 21	0s 2	1 48	13 28	0 6	21 26	1 15	23 24	0 33	10 31	1 43	8 33	0 35	20 15	0 8	13 28	17 32	9 29	10 7	6 43	6 46	1 55
T 4	6 26	21 2	4 50	0 46	1 45	13 56	0 4	21 21	1 17	23 24	0 33	10 29	1 44	8 33	0 35	20 15	0 8	13 29	17 32	9 32	10 9	6 47	6 45	1 55
F 5	6 49	24 34	5 6	1 30	1 40	14 22	0 1	21 15	1 18	23 23	0 33	10 26	1 44	8 32	0 35	20 15	0 8	13 29	17 32	9 35	10 10	6 50	6 44	1 55
S 6	7 12	27 2	5 8	2 15	1 36	14 49	0s 2	21 9	1 19	23 23	0 33	10 24	1 44	8 31	0 35	20 15	0 8	13 29	17 32	9 38	10 11	6 53	6 43	1 55
S 7	7 35	28 13	4 56	2 59	1 31	15 15	0 4	21 3	1 20	23 22	0 33	10 22	1 44	8 30	0 35	20 15	0 8	13 30	17 32	9 40	10 12	6 56	6 42	1 55
M 8	7 58	27 59	4 30	3 43	1 26	15 40	0 7	20 57	1 21	23 21	0 33	10 20	1 44	8 29	0 35	20 14	0 8	13 30	17 32	9 41	10 13	7 0	6 40	1 55
T 9	8 21	26 13	3 49	4 28	1 20	16 6	0 10	20 51	1 23	23 21	0 33	10 18	1 45	8 28	0 35	20 14	0 8	13 31	17 32	9 41	10 14	7 3	6 39	1 55
W10	8 43	22 58	2 55	5 12	1 15	16 30	0 12	20 45	1 24	23 20	0 33	10 15	1 45	8 27	0 35	20 14	0 8	13 31	17 32	9 41	10 16	7 6	6 38	1 55
T 11	9 5	18 23	1 50	5 56	1 9	16 55	0 15	20 39	1 25	23 19	0 33	10 13	1 45	8 26	0 35	20 14	0 8	13 31	17 32	9 41	10 17	7 10	6 37	1 55
F 12	9 28	12 39	0 36	6 40	1 3	17 19	0 18	20 33	1 26	23 18	0 33	10 11	1 45	8 25	0 35	20 14	0 8	13 31	17 32	9 40	10 18	7 13	6 36	1 55
S 13	9 50	6 6	0n42	7 23	0 57	17 42	0 20	20 27	1 28	23 18	0 33	10 9	1 45	8 24	0 35	20 14	0 8	13 32	17 31	9 40	10 19	7 16	6 35	1 55
S 14	10 12	0n56	1 59	8 6	0 50	18 5	0 23	20 21	1 29	23 17	0 33	10 7	1 45	8 23	0 35	20 14	0 8	13 32	17 31	9 41	10 20	7 19	6 33	1 54
M15	10 34	8 2	3 9	8 49	0 44	18 28	0 26	20 14	1 30	23 16	0 33	10 5	1 46	8 23	0 35	20 14	0 8	13 32	17 31	9 43	10 21	7 23	6 32	1 54
T 16	10 55	14 42	4 6	9 31	0 37	18 50	0 28	20 8	1 32	23 15	0 33	10 3	1 46	8 22	0 35	20 14	0 8	13 33	17 31	9 45	10 22	7 26	6 31	1 54
W17	11 17	20 27	4 45	10 12	0 31	19 12	0 31	20 2	1 33	23 14	0 33	10 1	1 46	8 21	0 35	20 14	0 8	13 33	17 31	9 48	10 24	7 29	6 30	1 54
T 18	11 38	24 49	5 4	10 53	0 24	19 33	0 34	19 56	1 34	23 13	0 33	9 59	1 46	8 20	0 35	20 14	0 8	13 33	17 31	9 51	10 25	7 32	6 29	1 54
F 19	11 59	27 27	5 2	11 34	0 18	19 53	0 36	19 49	1 36	23 12	0 33	9 57	1 46	8 19	0 35	20 13	0 8	13 33	17 31	9 55	10 26	7 36	6 28	1 54
S 20	12 20	28 14	4 42	12 14	0 11	20 14	0 39	19 43	1 37	23 11	0 33	9 55	1 47	8 18	0 35	20 13	0 8	13 34	17 30	9 57	10 27	7 39	6 26	1 54
S 21	12 41	27 14	4 7	12 53	0 4	20 33	0 41	19 37	1 38	23 10	0 33	9 54	1 47	8 17	0 35	20 13	0 8	13 34	17 30	9 59	10 28	7 42	6 25	1 54
M22	13 1	24 44	3 19	13 31	0s 2	20 52	0 44	19 30	1 40	23 10	0 33	9 52	1 47	8 16	0 35	20 13	0 8	13 34	17 30	10 0	10 29	7 46	6 24	1 54
T 23	13 22	21 5	2 23	14 9	0 9	21 10	0 47	19 24	1 41	23 8	0 33	9 50	1 47	8 15	0 35	20 13	0 8	13 34	17 30	10 0	10 31	7 49	6 23	1 53
W24	13 42	16 36	1 22	14 47	0 16	21 28	0 49	19 18	1 42	23 7	0 33	9 48	1 47	8 14	0 35	20 13	0 8	13 35	17 30	10 0	10 32	7 52	6 22	1 53
T 25	14 2	11 32	0 19	15 23	0 22	21 45	0 52	19 11	1 44	23 6	0 33	9 46	1 48	8 14	0 35	20 13	0 8	13 35	17 29	10 0	10 33	7 55	6 21	1 53
F 26	14 22	6 8	0s45	15 59	0 29	22 2	0 54	19 5	1 45	23 5	0 33	9 45	1 48	8 13	0 35	20 13	0 8	13 35	17 29	10 0	10 34	7 59	6 20	1 53
S 27	14 41	0 35	1 46	16 34	0 35	22 18	0 57	18 59	1 47	23 4	0 33	9 43	1 48	8 12	0 35	20 13	0 8	13 35	17 29	10 0	10 35	8 2	6 19	1 53
S 28	15 0	4s59	2 42	17 8	0 42	22 33	0 59	18 53	1 48	23 3	0 33	9 41	1 48	8 11	0 35	20 13	0 8	13 35	17 29	10 2	10 36	8 5	6 18	1 53
M29	15 19	10 23	3 31	17 42	0 48	22 48	1 2	18 46	1 50	23 2	0 33	9 40	1 49	8 10	0 35	20 13	0 8	13 36	17 29	10 5	10 37	8 8	6 17	1 53
T 30	15 38	15 26	4 11	18 14	0 54	23 2	1 4	18 40	1 51	23 1	0 33	9 38	1 49	8 9	0 35	20 13	0 8	13 36	17 28	10 9	10 39	8 12	6 16	1 53
W31	15s56	19s57	4s40	18s46	1s 0	23s15	1s 6	18n34	1n53	22s59	0s33	9n37	1n49	8n 9	0s35	20n13	0s 8	13s36	17s28	10s13	10s40	8s15	6n15	1n52

Julian Day Number = 2121279.5, Delta T = 17m56s
Ecliptic obliquity = 23°33'32, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°08'04, Lahiri = 11°15'04 Julian Calendar 1 Oct. 1095 == Greg. Calendar 7 Oct. 1095

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1095
geocentric

NOVEMBER 1095 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 2 57	14♏24'44	24♏ 8	21♏26	11♐55	14♌12	17♑25	9♍53	22°R 9	29°R30	6°R 1	3°R25	2♓22	13♎ 7	11°R20	T 1
F 2	3 6 53	15°25'25	6♐24	22°59	13° 9	14°38	17°35	9°57	22♈ 7	29♋30	6♈ 0	3♓11	2°19	13°14	11♈18	F 2
S 3	3 10 50	16°26'07	18°50	24°32	14°23	15° 3	17°45	10° 2	22° 5	29°30	6° 0	2°59	2°16	13°21	11°15	S 3
S 4	3 14 46	17°26'51	1♑26	26° 5	15°37	15°28	17°55	10° 6	22° 3	29°29	5°59	2°49	2°13	13°27	11°13	S 4
M 5	3 18 43	18°27'36	14°13	27°37	16°52	15°52	18° 5	10°10	22° 0	29°29	5°58	2°42	2°10	13°34	11°11	M 5
T 6	3 22 40	19°28'22	27°13	29°10	18° 6	16°17	18°15	10°14	21°58	29°29	5°57	2°37	2° 7	13°41	11° 9	T 6
W 7	3 26 36	20°29'10	10♒29	0♐42	19°20	16°41	18°26	10°19	21°56	29°29	5°56	2°36	2° 3	13°47	11° 7	W 7
T 8	3 30 33	21°29'58	24° 2	2°14	20°34	17° 4	18°37	10°23	21°54	29°28	5°56	2°D35	2° 0	13°54	11° 5	T 8
F 9	3 34 29	22°30'47	7♓55	3°46	21°48	17°28	18°47	10°26	21°52	29°28	5°55	2°R35	1°57	14° 1	11° 3	F 9
S 10	3 38 26	23°31'37	22° 8	5°18	23° 2	17°51	18°58	10°30	21°50	29°27	5°54	2°34	1°54	14° 7	11° 1	S 10
S 11	3 42 22	24°32'28	6♈41	6°49	24°17	18°13	19° 9	10°34	21°48	29°27	5°53	2°31	1°51	14°14	10°59	S 11
M12	3 46 19	25°33'20	21°29	8°21	25°31	18°36	19°20	10°37	21°46	29°26	5°53	2°25	1°47	14°21	10°57	M12
T 13	3 50 15	26°34'13	6♉28	9°52	26°45	18°58	19°31	10°41	21°44	29°26	5°52	2°16	1°44	14°27	10°56	T 13
W14	3 54 12	27°35'06	21°27	11°23	27°59	19°19	19°42	10°44	21°42	29°25	5°51	2° 5	1°41	14°34	10°54	W14
T 15	3 58 9	28°36'02	6♊17	12°53	29°13	19°41	19°54	10°48	21°41	29°24	5°51	1°53	1°38	14°41	10°52	T 15
F 16	4 2 5	29°36'58	20°50	14°24	0♑27	20° 1	20° 5	10°51	21°39	29°24	5°50	1°41	1°35	14°48	10°51	F 16
S 17	4 6 2	0♐37'55	4♋59	15°54	1°41	20°22	20°17	10°54	21°37	29°23	5°49	1°31	1°32	14°54	10°49	S 17
S 18	4 9 58	1°38'54	18°39	17°23	2°55	20°42	20°28	10°57	21°35	29°22	5°49	1°23	1°28	15° 1	10°47	S 18
M19	4 13 55	2°39'53	1♌51	18°52	4° 9	21° 2	20°40	11° 0	21°34	29°22	5°48	1°18	1°25	15° 8	10°46	M19
T 20	4 17 51	3°40'54	14°37	20°20	5°23	21°21	20°52	11° 3	21°32	29°21	5°48	1°16	1°22	15°14	10°44	T 20
W21	4 21 48	4°41'56	27° 1	21°48	6°37	21°40	21° 3	11° 6	21°30	29°20	5°47	1°15	1°19	15°21	10°43	W21
T 22	4 25 44	5°42'59	9♍ 7	23°14	7°50	21°59	21°15	11° 8	21°29	29°19	5°47	1°15	1°16	15°28	10°42	T 22
F 23	4 29 41	6°44'03	21° 2	24°40	9° 4	22°17	21°27	11°11	21°27	29°18	5°46	1°14	1°13	15°34	10°40	F 23
S 24	4 33 38	7°45'08	2♎51	26° 4	10°18	22°34	21°40	11°13	21°26	29°18	5°46	1°12	1° 9	15°41	10°39	S 24
S 25	4 37 34	8°46'14	14°39	27°27	11°32	22°51	21°52	11°16	21°24	29°17	5°45	1° 7	1° 6	15°48	10°38	S 25
M26	4 41 31	9°47'21	26°31	28°48	12°46	23° 8	22° 4	11°18	21°23	29°16	5°45	1° 0	1° 3	15°54	10°37	M26
T 27	4 45 27	10°48'29	8♏29	0♑ 7	13°59	23°24	22°16	11°20	21°21	29°15	5°44	0°49	1° 0	16° 1	10°36	T 27
W28	4 49 24	11°49'38	20°38	1°24	15°13	23°40	22°29	11°22	21°20	29°14	5°44	0°36	0°57	16° 8	10°35	W28
T 29	4 53 20	12°50'47	2♐58	2°38	16°27	23°55	22°41	11°24	21°19	29°13	5°44	0°22	0°53	16°14	10°34	T 29
F 30	4 57 17	13♐51'57	15♐29	3♑49	17♑41	24♌10	22♑54	11♍26	21♈18	29♋12	5♈43	0♓ 8	0♓50	16♎21	10♈33	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s15	23s41	4s57	19s16	1s 6	23s28	1s 9	18n28	1n54	22s58	0s33	9n35	1n49	8n 8	0s35	20n13	0s 8	13s36	17s28	10s18	10s41	8s18	6n13	1n52
F 2	16 32	26 25	5 0	19 46	1 12	23 40	1 11	18 22	1 56	22 57	0 33	9 34	1 49	8 7	0 35	20 13	0 8	13 36	17 28	10 23	10 42	8 21	6 12	1 52
S 3	16 50	27 54	4 50	20 15	1 18	23 51	1 13	18 16	1 57	22 56	0 33	9 32	1 50	8 6	0 35	20 14	0 8	13 36	17 27	10 28	10 43	8 25	6 11	1 52
S 4	17 7	27 58	4 25	20 43	1 23	24 2	1 16	18 10	1 59	22 54	0 33	9 31	1 50	8 5	0 35	20 14	0 8	13 36	17 27	10 31	10 44	8 28	6 11	1 52
M 5	17 24	26 33	3 46	21 10	1 29	24 12	1 18	18 4	2 0	22 53	0 33	9 29	1 50	8 5	0 35	20 14	0 8	13 36	17 27	10 34	10 45	8 31	6 10	1 52
T 6	17 41	23 41	2 55	21 36	1 34	24 21	1 20	17 58	2 2	22 52	0 33	9 28	1 50	8 4	0 35	20 14	0 8	13 36	17 27	10 35	10 47	8 34	6 9	1 52
W 7	17 58	19 32	1 54	22 0	1 39	24 29	1 22	17 52	2 3	22 50	0 33	9 27	1 51	8 3	0 35	20 14	0 8	13 36	17 26	10 36	10 48	8 37	6 8	1 51
T 8	18 14	14 17	0 45	22 24	1 44	24 37	1 24	17 47	2 5	22 49	0 33	9 25	1 51	8 2	0 35	20 14	0 8	13 37	17 26	10 36	10 49	8 41	6 7	1 51
F 9	18 29	8 13	0n28	22 47	1 48	24 44	1 26	17 41	2 7	22 47	0 33	9 24	1 51	8 1	0 35	20 14	0 8	13 37	17 26	10 36	10 50	8 44	6 6	1 51
S 10	18 45	1 35	1 41	23 8	1 52	24 50	1 28	17 36	2 8	22 46	0 33	9 23	1 51	8 1	0 35	20 14	0 8	13 37	17 26	10 37	10 51	8 47	6 5	1 51
S 11	19 0	5n15	2 50	23 28	1 57	24 56	1 30	17 30	2 10	22 44	0 34	9 22	1 52	8 0	0 35	20 14	0 8	13 37	17 25	10 38	10 52	8 50	6 4	1 51
M12	19 15	11 56	3 48	23 47	2 0	25 1	1 32	17 25	2 12	22 43	0 34	9 21	1 52	7 59	0 35	20 14	0 8	13 37	17 25	10 40	10 53	8 54	6 3	1 51
T 13	19 29	17 59	4 31	24 5	2 4	25 5	1 34	17 19	2 13	22 41	0 34	9 19	1 52	7 59	0 35	20 14	0 8	13 37	17 25	10 43	10 55	8 57	6 2	1 51
W14	19 43	22 57	4 55	24 21	2 7	25 8	1 35	17 14	2 15	22 39	0 34	9 18	1 52	7 58	0 35	20 15	0 8	13 37	17 24	10 47	10 56	9 0	6 2	1 50
T 15	19 57	26 22	4 59	24 36	2 10	25 10	1 37	17 9	2 17	22 38	0 34	9 17	1 53	7 57	0 35	20 15	0 8	13 37	17 24	10 52	10 57	9 3	6 1	1 50
F 16	20 10	27 57	4 44	24 50	2 13	25 12	1 39	17 4	2 18	22 36	0 34	9 16	1 53	7 57	0 35	20 15	0 8	13 37	17 24	10 56	10 58	9 6	6 0	1 50
S 17	20 23	27 39	4 11	25 2	2 15	25 13	1 40	16 59	2 20	22 34	0 34	9 15	1 53	7 56	0 35	20 15	0 8	13 37	17 24	10 59	10 59	9 10	5 59	1 50
S 18	20 36	25 38	3 25	25 13	2 16	25 13	1 42	16 54	2 22	22 33	0 34	9 14	1 53	7 55	0 35	20 15	0 8	13 36	17 23	11 2	11 0	9 13	5 58	1 50
M19	20 48	22 16	2 29	25 23	2 18	25 13	1 43	16 49	2 24	22 31	0 34	9 14	1 54	7 55	0 35	20 15	0 8	13 36	17 23	11 4	11 1	9 16	5 58	1 50
T 20	21 0	17 55	1 27	25 31	2 19	25 11	1 44	16 45	2 25	22 29	0 34	9 13	1 54	7 54	0 34	20 15	0 8	13 36	17 23	11 5	11 2	9 19	5 57	1 49
W21	21 11	12 55	0 22	25 37	2 19	25 9	1 46	16 40	2 27	22 27	0 34	9 12	1 54	7 54	0 34	20 16	0 8	13 36	17 22	11 5	11 4	9 22	5 56	1 49
T 22	21 22	7 33	0s42	25 42	2 19	25 6	1 47	16 36	2 29	22 26	0 34	9 11	1 54	7 53	0 34	20 16	0 8	13 36	17 22	11 5	11 5	9 26	5 56	1 49
F 23	21 33	2 0	1 43	25 45	2 18	25 3	1 48	16 32	2 31	22 24	0 34	9 10	1 55	7 52	0 34	20 16	0 8	13 36	17 22	11 5	11 6	9 29	5 55	1 49
S 24	21 43	3s34	2 39	25 47	2 17	24 58	1 49	16 28	2 33	22 22	0 34	9 10	1 55	7 52	0 34	20 16	0 8	13 36	17 21	11 6	11 7	9 32	5 54	1 49
S 25	21 52	9 0	3 28	25 47	2 15	24 53	1 50	16 24	2 35	22 20	0 34	9 9	1 55	7 51	0 34	20 16	0 8	13 36	17 21	11 8	11 8	9 35	5 54	1 49
M26	22 2	14 8	4 8	25 46	2 13	24 47	1 51	16 20	2 37	22 18	0 34	9 8	1 55	7 51	0 34	20 17	0 8	13 36	17 21	11 11	11 9	9 38	5 53	1 49
T 27	22 11	18 47	4 38	25 43	2 9	24 40	1 52	16 17	2 39	22 16	0 34	9 8	1 56	7 50	0 34	20 17	0 8	13 35	17 20	11 14	11 10	9 41	5 52	1 48
W28	22 19	22 45	4 56	25 38	2 5	24 33	1 53	16 13	2 41	22 14	0 34	9 7	1 56	7 50	0 34	20 17	0 8	13 35	17 20	11 19	11 12	9 45	5 52	1 48
T 29	22 27	25 45	5 0	25 32	2 0	24 25	1 53	16 10	2 43	22 12	0 34	9 7	1 56	7 49	0 34	20 17	0 8	13 35	17 20	11 24	11 13	9 48	5 51	1 48
F 30	22s35	27s34	4s50	25s25	1s54	24s16	1s54	16n 7	2n45	22s10	0s34	9n 6	1n56	7n49	0s34	20n17	0s 8	13s35	17s19	11s29	11s14	9s51	5n51	1n48

Julian Day Number = 2121310.5, Delta T = 17m56s
Ecliptic obliquity = 23°33'31, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°08'08, Lahiri = 11°15'09 Julian Calendar 1 Nov. 1095 == Greg. Calendar 7 Nov. 1095

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1095
geocentric

DECEMBER 1095 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 1 13	14♐53'08	28♐13	4♑56	18♑54	24♌24	23♑ 7	11♍27	21°R16	29°R10	5°R43	29°R55	0♓47	16♎28	10°R32	S 1
S 2	5 5 10	15°54'19	11♑ 8	5°58	20° 8	24°38	23°19	11°29	21♈15	29♋ 9	5♈43	29♒45	0°44	16°34	10♈31	S 2
M 3	5 9 7	16°55'30	24°13	6°56	21°21	24°51	23°32	11°31	21°14	29° 8	5°43	29°37	0°41	16°41	10°30	M 3
T 4	5 13 3	17°56'42	7♒30	7°48	22°35	25° 4	23°45	11°32	21°13	29° 7	5°42	29°32	0°38	16°48	10°30	T 4
W 5	5 17 0	18°57'54	20°56	8°33	23°48	25°16	23°58	11°33	21°12	29° 6	5°42	29°30	0°34	16°55	10°29	W 5
T 6	5 20 56	19°59'05	4♓34	9°10	25° 2	25°27	24°11	11°34	21°11	29° 5	5°42	29°D30	0°31	17° 1	10°28	T 6
F 7	5 24 53	21° 0'17	18°24	9°40	26°15	25°38	24°24	11°35	21°10	29° 3	5°42	29°R30	0°28	17° 8	10°28	F 7
S 8	5 28 49	22° 1'28	2♈27	10° 0	27°29	25°48	24°37	11°36	21° 9	29° 2	5°42	29°30	0°25	17°15	10°27	S 8
S 9	5 32 46	23° 2'40	16°42	10°R 9	28°42	25°58	24°50	11°37	21° 8	29° 1	5°41	29°28	0°22	17°21	10°27	S 9
M10	5 36 42	24° 3'51	1♉ 7	10° 8	29°55	26° 7	25° 3	11°38	21° 8	29° 0	5°41	29°23	0°19	17°28	10°26	M10
T 11	5 40 39	25° 5'02	15°38	9°56	1♒ 8	26°15	25°17	11°39	21° 7	28°58	5°41	29°15	0°15	17°35	10°26	T 11
W12	5 44 36	26° 6'14	0♊11	9°31	2°21	26°23	25°30	11°39	21° 6	28°57	5°41	29° 6	0°12	17°41	10°26	W12
T 13	5 48 32	27° 7'25	14°38	8°55	3°34	26°30	25°43	11°39	21° 6	28°56	5°41	28°56	0° 9	17°48	10°26	T 13
F 14	5 52 29	28° 8'36	28°53	8° 7	4°48	26°37	25°57	11°40	21° 5	28°54	5°D41	28°45	0° 6	17°55	10°26	F 14
S 15	5 56 25	29° 9'47	12♋49	7° 9	6° 1	26°43	26°10	11°40	21° 5	28°53	5°41	28°36	0° 3	18° 1	10°26	S 15
S 16	6 0 22	0♑10'58	26°24	6° 2	7°13	26°48	26°24	11°R40	21° 4	28°51	5°41	28°30	29♒59	18° 8	10°D26	S 16
M17	6 4 18	1°12'09	9♌35	4°49	8°26	26°52	26°37	11°40	21° 4	28°50	5°41	28°25	29°56	18°15	10°26	M17
T 18	6 8 15	2°13'20	22°22	3°30	9°39	26°56	26°51	11°40	21° 3	28°48	5°41	28°23	29°53	18°22	10°26	T 18
W19	6 12 12	3°14'31	4♍49	2° 9	10°52	26°59	27° 5	11°40	21° 3	28°47	5°41	28°D23	29°50	18°28	10°26	W19
T 20	6 16 8	4°15'43	16°58	0°50	12° 4	27° 1	27°18	11°39	21° 3	28°45	5°41	28°24	29°47	18°35	10°26	T 20
F 21	6 20 5	5°16'54	28°56	29♐33	13°17	27° 3	27°32	11°39	21° 3	28°44	5°42	28°26	29°44	18°42	10°26	F 21
S 22	6 24 1	6°18'05	10♎47	28°21	14°30	27° 4	27°46	11°38	21° 3	28°42	5°42	28°R26	29°40	18°48	10°27	S 22
S 23	6 27 58	7°19'16	22°37	27°16	15°42	27°R 4	28° 0	11°37	21° 2	28°41	5°42	28°24	29°37	18°55	10°27	S 23
M24	6 31 54	8°20'26	4♏31	26°20	16°54	27° 3	28°14	11°37	21°D 2	28°39	5°42	28°20	29°34	19° 2	10°28	M24
T 25	6 35 51	9°21'37	16°32	25°33	18° 7	27° 2	28°27	11°36	21° 2	28°38	5°42	28°15	29°31	19° 8	10°28	T 25
W26	6 39 47	10°22'48	28°46	24°55	19°19	27° 0	28°41	11°35	21° 2	28°36	5°43	28° 7	29°28	19°15	10°29	W26
T 27	6 43 44	11°23'58	11♐14	24°27	20°31	26°56	28°55	11°34	21° 3	28°35	5°43	27°58	29°25	19°22	10°29	T 27
F 28	6 47 41	12°25'08	23°59	24° 9	21°43	26°53	29° 9	11°32	21° 3	28°33	5°43	27°49	29°21	19°28	10°30	F 28
S 29	6 51 37	13°26'18	7♑ 0	24° 0	22°55	26°48	29°23	11°31	21° 3	28°31	5°43	27°41	29°18	19°35	10°31	S 29
S 30	6 55 34	14°27'26	20°16	23°D59	24° 7	26°43	29°37	11°30	21° 3	28°30	5°44	27°35	29°15	19°42	10°32	S 30
M31	6 59 30	15♑28'35	3♒47	24♐ 7	25♒19	26♌36	29♑52	11♍28	21♈ 4	28♋28	5♈44	27♒30	29♒12	19♎49	10♈32	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s42	27s58	4s25	25s16	1s48	24s 6	1s55	16n 4	2n47	22s 8	0s34	9n 6	1n57	7n49	0s34	20n18	0s 8	13s35	17s19	11s33	11s15	9s54	5n50	1n48
S 2	22 49	26 51	3 46	25 5	1 40	23 56	1 55	16 1	2 49	22 6	0 34	9 6	1 57	7 48	0 34	20 18	0 8	13 35	17 19	11 37	11 16	9 57	5 50	1 48
M 3	22 55	24 15	2 55	24 53	1 31	23 45	1 55	15 59	2 51	22 3	0 34	9 5	1 57	7 48	0 34	20 18	0 8	13 34	17 18	11 40	11 17	10 0	5 49	1 47
T 4	23 1	20 19	1 54	24 40	1 21	23 33	1 56	15 56	2 53	22 1	0 34	9 5	1 58	7 47	0 34	20 18	0 8	13 34	17 18	11 41	11 18	10 4	5 49	1 47
W 5	23 6	15 18	0 45	24 26	1 9	23 21	1 56	15 54	2 55	21 59	0 34	9 5	1 58	7 47	0 34	20 19	0 8	13 34	17 17	11 42	11 19	10 7	5 49	1 47
T 6	23 11	9 28	0n27	24 11	0 57	23 8	1 56	15 52	2 57	21 57	0 34	9 5	1 58	7 47	0 34	20 19	0 8	13 34	17 17	11 42	11 21	10 10	5 48	1 47
F 7	23 15	3 6	1 39	23 55	0 43	22 54	1 56	15 51	2 59	21 55	0 34	9 4	1 58	7 46	0 34	20 19	0 8	13 33	17 17	11 42	11 22	10 13	5 48	1 47
S 8	23 19	3n31	2 46	23 39	0 28	22 40	1 56	15 49	3 1	21 52	0 34	9 4	1 59	7 46	0 34	20 20	0 8	13 33	17 16	11 42	11 23	10 16	5 47	1 47
S 9	23 22	10 1	3 43	23 22	0 12	22 25	1 56	15 48	3 3	21 50	0 34	9 4	1 59	7 46	0 34	20 20	0 8	13 33	17 16	11 43	11 24	10 19	5 47	1 46
M10	23 25	16 5	4 27	23 5	0n 5	22 9	1 56	15 47	3 5	21 48	0 34	9 4	1 59	7 46	0 34	20 20	0 8	13 33	17 16	11 45	11 25	10 23	5 47	1 46
T 11	23 28	21 18	4 55	22 48	0 24	21 53	1 55	15 46	3 7	21 45	0 35	9 4	1 59	7 45	0 34	20 20	0 8	13 32	17 15	11 47	11 26	10 26	5 47	1 46
W12	23 30	25 13	5 3	22 30	0 43	21 36	1 55	15 45	3 10	21 43	0 35	9 4	2 0	7 45	0 34	20 21	0 8	13 32	17 15	11 51	11 27	10 29	5 46	1 46
T 13	23 32	27 30	4 52	22 13	1 2	21 18	1 54	15 45	3 12	21 40	0 35	9 4	2 0	7 45	0 34	20 21	0 8	13 32	17 15	11 54	11 28	10 32	5 46	1 46
F 14	23 33	27 56	4 23	21 57	1 22	21 0	1 54	15 45	3 14	21 38	0 35	9 5	2 0	7 45	0 34	20 21	0 8	13 31	17 14	11 58	11 30	10 35	5 46	1 46
S 15	23 33	26 33	3 38	21 41	1 41	20 41	1 53	15 45	3 16	21 35	0 35	9 5	2 1	7 45	0 34	20 22	0 8	13 31	17 14	12 1	11 31	10 38	5 46	1 45
S 16	23 33	23 38	2 42	21 25	2 0	20 22	1 52	15 45	3 18	21 33	0 35	9 5	2 1	7 45	0 34	20 22	0 8	13 31	17 13	12 3	11 32	10 41	5 46	1 45
M17	23 33	19 32	1 39	21 11	2 18	20 2	1 52	15 45	3 21	21 30	0 35	9 5	2 1	7 44	0 34	20 22	0 8	13 30	17 13	12 5	11 33	10 44	5 45	1 45
T 18	23 32	14 38	0 32	20 57	2 34	19 42	1 51	15 46	3 23	21 28	0 35	9 6	2 1	7 44	0 34	20 22	0 8	13 30	17 13	12 6	11 34	10 48	5 45	1 45
W19	23 31	9 16	0s34	20 45	2 48	19 21	1 50	15 47	3 25	21 25	0 35	9 6	2 2	7 44	0 34	20 23	0 8	13 29	17 12	12 6	11 35	10 51	5 45	1 45
T 20	23 29	3 40	1 38	20 34	2 59	19 0	1 48	15 49	3 27	21 22	0 35	9 6	2 2	7 44	0 34	20 23	0 8	13 29	17 12	12 5	11 36	10 54	5 45	1 44
F 21	23 27	1s58	2 37	20 25	3 8	18 38	1 47	15 50	3 30	21 20	0 35	9 7	2 2	7 44	0 33	20 23	0 8	13 29	17 12	12 5	11 37	10 57	5 45	1 44
S 22	23 24	7 28	3 28	20 18	3 15	18 15	1 46	15 52	3 32	21 17	0 35	9 7	2 2	7 44	0 33	20 24	0 8	13 28	17 11	12 5	11 39	11 0	5 45	1 44
S 23	23 21	12 42	4 10	20 12	3 19	17 52	1 44	15 54	3 34	21 14	0 35	9 8	2 3	7 44	0 33	20 24	0 8	13 28	17 11	12 5	11 40	11 3	5 45	1 44
M24	23 18	17 30	4 41	20 9	3 21	17 29	1 43	15 56	3 36	21 12	0 35	9 8	2 3	7 44	0 33	20 24	0 8	13 27	17 10	12 7	11 41	11 6	5 45	1 44
T 25	23 14	21 40	5 1	20 8	3 21	17 5	1 41	15 59	3 39	21 9	0 35	9 9	2 3	7 44	0 33	20 25	0 8	13 27	17 10	12 9	11 42	11 9	5 45	1 44
W26	23 9	24 58	5 7	20 9	3 19	16 41	1 40	16 2	3 41	21 6	0 35	9 9	2 4	7 44	0 33	20 25	0 8	13 27	17 10	12 11	11 43	11 12	5 45	1 43
T 27	23 4	27 10	4 59	20 11	3 15	16 16	1 38	16 5	3 43	21 3	0 35	9 10	2 4	7 44	0 33	20 25	0 8	13 26	17 9	12 14	11 44	11 16	5 45	1 43
F 28	22 59	28 1	4 36	20 16	3 10	15 51	1 36	16 8	3 45	21 0	0 35	9 11	2 4	7 44	0 33	20 26	0 8	13 26	17 9	12 17	11 45	11 19	5 45	1 43
S 29	22 53	27 21	3 59	20 21	3 4	15 25	1 34	16 12	3 48	20 58	0 35	9 12	2 4	7 44	0 33	20 26	0 8	13 25	17 9	12 20	11 46	11 22	5 46	1 43
S 30	22 46	25 6	3 7	20 29	2 57	14 59	1 32	16 16	3 50	20 55	0 36	9 12	2 5	7 45	0 33	20 26	0 8	13 25	17 8	12 22	11 47	11 25	5 46	1 43
M31	22s39	21s25	2s 5	20s37	2n49	14s33	1s30	16n20	3n52	20s52	0s36	9n13	2n 5	7n45	0s33	20n27	0s 8	13s24	17s 8	12s24	11s49	11s28	5n46	1n43

Julian Day Number = 2121340.5, Delta T = 17m56s
Ecliptic obliquity = 23°33'31, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°08'12, Lahiri = 11°15'13 Julian Calendar 1 Dec. 1095 == Greg. Calendar 7 Dec. 1095

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1096
geocentric

JANUARY 1096 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 3 27	16♉29'42	17♒28	24♐22	26♒31	26°R29	0♒ 6	11°R26	21♈ 4	28°R26	5♈45	27°R28	29♒ 9	19♎55	10♈33	T 1
W 2	7 7 23	17°30'48	1♓19	24°44	27°43	26♌22	0°20	11♍25	21° 4	28♋25	5°45	27°D27	29° 6	20° 2	10°34	W 2
T 3	7 11 20	18°31'54	15°16	25°12	28°54	26°13	0°34	11°23	21° 5	28°23	5°45	27♒28	29° 2	20° 9	10°35	T 3
F 4	7 15 16	19°32'58	29°19	25°46	0♓ 6	26° 3	0°48	11°21	21° 5	28°22	5°46	27°30	28°59	20°15	10°36	F 4
S 5	7 19 13	20°34'01	13♈25	26°25	1°17	25°53	1° 2	11°19	21° 6	28°20	5°46	27°31	28°56	20°22	10°38	S 5
S 6	7 23 10	21°35'04	27°34	27° 8	2°28	25°42	1°17	11°17	21° 7	28°18	5°47	27°R31	28°53	20°29	10°39	S 6
M 7	7 27 6	22°36'05	11♉44	27°56	3°39	25°30	1°31	11°14	21° 7	28°16	5°47	27°29	28°50	20°35	10°40	M 7
T 8	7 31 3	23°37'04	25°52	28°48	4°50	25°18	1°45	11°12	21° 8	28°15	5°48	27°26	28°46	20°42	10°41	T 8
W 9	7 34 59	24°38'03	9♊56	29°43	6° 1	25° 4	1°59	11°10	21° 9	28°13	5°48	27°22	28°43	20°49	10°43	W 9
T 10	7 38 56	25°39'00	23°54	0♋42	7°12	24°50	2°14	11° 7	21°10	28°11	5°49	27°17	28°40	20°55	10°44	T 10
F 11	7 42 52	26°39'56	7♋40	1°43	8°23	24°36	2°28	11° 4	21°11	28°10	5°50	27°12	28°37	21° 2	10°46	F 11
S 12	7 46 49	27°40'52	21°12	2°46	9°33	24°20	2°42	11° 2	21°11	28° 8	5°50	27° 7	28°34	21° 9	10°47	S 12
S 13	7 50 46	28°41'45	4♌28	3°53	10°44	24° 4	2°56	10°59	21°12	28° 6	5°51	27° 4	28°31	21°16	10°49	S 13
M14	7 54 42	29°42'38	17°27	5° 1	11°54	23°47	3°11	10°56	21°14	28° 5	5°52	27° 2	28°27	21°22	10°50	M14
T 15	7 58 39	0♒43'30	0♍ 7	6°11	13° 4	23°29	3°25	10°53	21°15	28° 3	5°52	27°D 2	28°24	21°29	10°52	T 15
W16	8 2 35	1°44'20	12°31	7°24	14°14	23°11	3°39	10°50	21°16	28° 1	5°53	27° 3	28°21	21°36	10°54	W16
T 17	8 6 32	2°45'09	24°41	8°38	15°24	22°52	3°54	10°47	21°17	28° 0	5°54	27° 4	28°18	21°42	10°55	T 17
F 18	8 10 28	3°45'58	6♎40	9°53	16°34	22°33	4° 8	10°43	21°18	27°58	5°54	27° 6	28°15	21°49	10°57	F 18
S 19	8 14 25	4°46'45	18°33	11°10	17°43	22°13	4°22	10°40	21°20	27°56	5°55	27° 8	28°11	21°56	10°59	S 19
S 20	8 18 21	5°47'31	0♏24	12°29	18°53	21°52	4°37	10°37	21°21	27°55	5°56	27° 9	28° 8	22° 2	11° 1	S 20
M21	8 22 18	6°48'17	12°18	13°49	20° 2	21°31	4°51	10°33	21°22	27°53	5°57	27°R 9	28° 5	22° 9	11° 3	M21
T 22	8 26 15	7°49'01	24°20	15°10	21°11	21°10	5° 5	10°30	21°24	27°51	5°58	27° 8	28° 2	22°16	11° 5	T 22
W23	8 30 11	8°49'44	6♐34	16°32	22°20	20°48	5°20	10°26	21°25	27°50	5°58	27° 6	27°59	22°23	11° 7	W23
T 24	8 34 8	9°50'26	19° 5	17°56	23°29	20°25	5°34	10°22	21°27	27°48	5°59	27° 3	27°56	22°29	11° 9	T 24
F 25	8 38 4	10°51'06	1♑55	19°20	24°37	20° 3	5°48	10°19	21°28	27°46	6° 0	27° 1	27°52	22°36	11°11	F 25
S 26	8 42 1	11°51'46	15° 6	20°46	25°46	19°40	6° 3	10°15	21°30	27°45	6° 1	26°59	27°49	22°43	11°14	S 26
S 27	8 45 57	12°52'24	28°38	22°13	26°54	19°16	6°17	10°11	21°32	27°43	6° 2	26°57	27°46	22°49	11°16	S 27
M28	8 49 54	13°53'00	12♒30	23°41	28° 2	18°53	6°31	10° 7	21°33	27°41	6° 3	26°56	27°43	22°56	11°18	M28
T 29	8 53 50	14°53'35	26°37	25°10	29°10	18°29	6°46	10° 3	21°35	27°40	6° 4	26°D55	27°40	23° 3	11°20	T 29
W30	8 57 47	15°54'08	10♓56	26°39	0♈18	18° 5	7° 0	9°59	21°37	27°38	6° 5	26°56	27°37	23° 9	11°23	W30
T 31	9 1 44	16♒54'39	25♓23	28♉10	1♈25	17♌41	7♒14	9♍55	21♈39	27♋37	6♈ 6	26♒56	27♒33	23♎16	11♈25	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s32	16s32	0s54	20s46	2n40	14s 6	1s27	16n25	3n54	20s49	0s36	9n14	2n 5	7n45	0s33	20n27	0s 8	13s24	17s 8	12s25	11s50	11s31	5n46	1n42
W 2	22 24	10 44	0n21	20 57	2 31	13 39	1 25	16 29	3 56	20 46	0 36	9 15	2 5	7 45	0 33	20 27	0 8	13 23	17 7	12 25	11 51	11 34	5 46	1 42
T 3	22 16	4 22	1 35	21 7	2 21	13 12	1 23	16 34	3 58	20 43	0 36	9 16	2 6	7 45	0 33	20 28	0 8	13 23	17 7	12 25	11 52	11 37	5 47	1 42
F 4	22 8	2n14	2 45	21 18	2 11	12 45	1 20	16 40	4 1	20 40	0 36	9 17	2 6	7 46	0 33	20 28	0 8	13 22	17 6	12 24	11 53	11 40	5 47	1 42
S 5	21 59	8 46	3 44	21 29	2 2	12 17	1 17	16 45	4 3	20 37	0 36	9 18	2 6	7 46	0 33	20 28	0 8	13 22	17 6	12 24	11 54	11 43	5 47	1 42
S 6	21 49	14 51	4 30	21 40	1 51	11 48	1 15	16 51	4 5	20 34	0 36	9 19	2 6	7 46	0 33	20 29	0 8	13 21	17 6	12 24	11 55	11 46	5 47	1 42
M 7	21 39	20 10	5 0	21 51	1 41	11 20	1 12	16 57	4 7	20 31	0 36	9 20	2 7	7 46	0 33	20 29	0 8	13 21	17 5	12 24	11 56	11 49	5 48	1 41
T 8	21 29	24 21	5 11	22 2	1 31	10 51	1 9	17 3	4 9	20 27	0 36	9 21	2 7	7 47	0 33	20 30	0 8	13 20	17 5	12 25	11 58	11 52	5 48	1 41
W 9	21 18	27 4	5 4	22 12	1 21	10 22	1 6	17 9	4 10	20 24	0 36	9 22	2 7	7 47	0 33	20 30	0 8	13 20	17 5	12 27	11 59	11 55	5 49	1 41
T 10	21 7	28 4	4 39	22 22	1 11	9 53	1 3	17 16	4 12	20 21	0 36	9 24	2 7	7 47	0 33	20 30	0 8	13 19	17 4	12 29	12 0	11 58	5 49	1 41
F 11	20 56	27 17	3 58	22 32	1 1	9 23	1 0	17 22	4 14	20 18	0 36	9 25	2 8	7 48	0 33	20 31	0 8	13 19	17 4	12 30	12 1	12 2	5 49	1 41
S 12	20 44	24 54	3 4	22 40	0 51	8 54	0 56	17 29	4 16	20 15	0 36	9 26	2 8	7 48	0 33	20 31	0 8	13 18	17 4	12 32	12 2	12 5	5 50	1 41
S 13	20 31	21 11	2 1	22 48	0 42	8 24	0 53	17 36	4 17	20 11	0 37	9 27	2 8	7 49	0 33	20 31	0 7	13 18	17 3	12 33	12 3	12 8	5 50	1 41
M14	20 19	16 31	0 52	22 55	0 32	7 54	0 50	17 44	4 19	20 8	0 37	9 29	2 8	7 49	0 33	20 32	0 7	13 17	17 3	12 34	12 4	12 11	5 51	1 40
T 15	20 6	11 13	0s17	23 2	0 23	7 24	0 46	17 51	4 21	20 5	0 37	9 30	2 9	7 49	0 33	20 32	0 7	13 16	17 3	12 34	12 5	12 14	5 51	1 40
W16	19 52	5 36	1 24	23 7	0 14	6 53	0 42	17 59	4 22	20 2	0 37	9 31	2 9	7 50	0 33	20 32	0 7	13 16	17 2	12 33	12 6	12 17	5 52	1 40
T 17	19 39	0s 7	2 26	23 11	0 5	6 23	0 39	18 6	4 23	19 58	0 37	9 33	2 9	7 50	0 33	20 33	0 7	13 15	17 2	12 33	12 7	12 20	5 52	1 40
F 18	19 24	5 44	3 21	23 15	0s 3	5 52	0 35	18 14	4 25	19 55	0 37	9 34	2 9	7 51	0 33	20 33	0 7	13 15	17 2	12 32	12 9	12 23	5 53	1 40
S 19	19 10	11 6	4 7	23 17	0 12	5 21	0 31	18 22	4 26	19 52	0 37	9 36	2 9	7 51	0 32	20 33	0 7	13 14	17 1	12 32	12 10	12 26	5 54	1 40
S 20	18 55	16 4	4 42	23 18	0 20	4 50	0 27	18 30	4 27	19 48	0 37	9 37	2 10	7 52	0 32	20 34	0 7	13 13	17 1	12 31	12 11	12 29	5 54	1 39
M21	18 40	20 26	5 5	23 18	0 28	4 19	0 23	18 37	4 28	19 45	0 37	9 39	2 10	7 52	0 32	20 34	0 7	13 13	17 1	12 31	12 12	12 32	5 55	1 39
T 22	18 24	24 2	5 15	23 17	0 36	3 48	0 19	18 45	4 29	19 42	0 37	9 40	2 10	7 53	0 32	20 34	0 7	13 12	17 0	12 32	12 13	12 35	5 56	1 39
W23	18 8	26 37	5 11	23 15	0 43	3 17	0 15	18 53	4 30	19 38	0 37	9 42	2 10	7 54	0 32	20 35	0 7	13 12	17 0	12 32	12 14	12 38	5 56	1 39
T 24	17 52	27 58	4 52	23 11	0 50	2 46	0 11	19 1	4 31	19 35	0 37	9 43	2 10	7 54	0 32	20 35	0 7	13 11	17 0	12 33	12 15	12 41	5 57	1 39
F 25	17 36	27 52	4 19	23 6	0 57	2 15	0 7	19 9	4 31	19 31	0 38	9 45	2 11	7 55	0 32	20 35	0 7	13 10	17 0	12 34	12 16	12 44	5 58	1 39
S 26	17 19	26 12	3 31	23 0	1 4	1 44	0 2	19 17	4 32	19 28	0 38	9 47	2 11	7 55	0 32	20 36	0 7	13 10	16 59	12 35	12 17	12 47	5 58	1 39
S 27	17 2	22 59	2 30	22 52	1 10	1 12	0n 2	19 25	4 32	19 24	0 38	9 48	2 11	7 56	0 32	20 36	0 7	13 9	16 59	12 35	12 18	12 50	5 59	1 38
M28	16 45	18 24	1 19	22 43	1 16	0 41	0 7	19 33	4 33	19 21	0 38	9 50	2 11	7 57	0 32	20 36	0 7	13 9	16 59	12 36	12 20	12 53	6 0	1 38
T 29	16 27	12 44	0 2	22 33	1 22	0 10	0 11	19 41	4 33	19 17	0 38	9 52	2 11	7 58	0 32	20 37	0 7	13 8	16 58	12 36	12 21	12 56	6 1	1 38
W30	16 9	6 19	1n17	22 22	1 27	0n22	0 16	19 49	4 33	19 14	0 38	9 53	2 11	7 58	0 32	20 37	0 7	13 7	16 58	12 36	12 22	12 59	6 1	1 38
T 31	15s51	0n28	2n31	22s 9	1s33	0n53	0n21	19n56	4n33	19s10	0s38	9n55	2n12	7n59	0s32	20n37	0s 7	13s 7	16s58	12s36	12s23	13s 2	6n 2	1n38

Julian Day Number = 2121371.5, Delta T = 17m55s
Ecliptic obliquity = 23°33'31, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°08'17, Lahiri = 11°15'17 Julian Calendar 1 Jan. 1096 == Greg. Calendar 7 Jan. 1096

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1096
geocentric

FEBRUARY 1096 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 5 40	17♒55'09	9♈50	29♉42	2♈32	17°R18	7♒28	9°R51	21♈41	27°R35	6♈ 7	26♒57	27♒30	23♎23	11♈28	F 1
S 2	9 9 37	18°55'36	24°15	1♒15	3°39	16♌54	7°43	9♍46	21°43	27♋33	6° 8	26°58	27°27	23°29	11°30	S 2
S 3	9 13 33	19°56'02	8♉33	2°48	4°46	16°30	7°57	9°42	21°45	27°32	6° 9	26°58	27°24	23°36	11°33	S 3
M 4	9 17 30	20°56'26	22°42	4°23	5°53	16° 6	8°11	9°38	21°47	27°30	6°10	26°R58	27°21	23°43	11°35	M 4
T 5	9 21 26	21°56'47	6♊39	5°59	6°59	15°42	8°25	9°33	21°49	27°29	6°11	26°58	27°17	23°50	11°38	T 5
W 6	9 25 23	22°57'07	20°25	7°35	8° 5	15°19	8°39	9°29	21°51	27°27	6°12	26°58	27°14	23°56	11°41	W 6
T 7	9 29 19	23°57'25	3♋57	9°13	9°11	14°56	8°53	9°24	21°53	27°26	6°13	26°58	27°11	24° 3	11°44	T 7
F 8	9 33 16	24°57'40	17°16	10°51	10°17	14°33	9° 7	9°20	21°55	27°24	6°14	26°57	27° 8	24°10	11°46	F 8
S 9	9 37 13	25°57'54	0♌22	12°31	11°22	14°11	9°21	9°15	21°57	27°23	6°15	26°57	27° 5	24°16	11°49	S 9
S 10	9 41 9	26°58'05	13°14	14°12	12°27	13°48	9°36	9°11	22° 0	27°22	6°17	26°D57	27° 2	24°23	11°52	S 10
M11	9 45 6	27°58'15	25°53	15°53	13°32	13°27	9°50	9° 6	22° 2	27°20	6°18	26°R57	26°58	24°30	11°55	M11
T 12	9 49 2	28°58'22	8♍20	17°36	14°36	13° 5	10° 3	9° 2	22° 4	27°19	6°19	26°57	26°55	24°37	11°58	T 12
W13	9 52 59	29°58'28	20°35	19°20	15°40	12°44	10°17	8°57	22° 7	27°17	6°20	26°57	26°52	24°43	12° 1	W13
T 14	9 56 55	0♓58'32	2♎41	21° 5	16°44	12°24	10°31	8°52	22° 9	27°16	6°21	26°56	26°49	24°50	12° 4	T 14
F 15	10 0 52	1°58'34	14°38	22°51	17°48	12° 4	10°45	8°47	22°12	27°15	6°22	26°56	26°46	24°57	12° 7	F 15
S 16	10 4 48	2°58'35	26°31	24°38	18°51	11°45	10°59	8°43	22°14	27°13	6°24	26°55	26°43	25° 3	12°10	S 16
S 17	10 8 45	3°58'34	8♏22	26°26	19°54	11°26	11°13	8°38	22°17	27°12	6°25	26°54	26°39	25°10	12°13	S 17
M18	10 12 42	4°58'31	20°16	28°15	20°56	11° 8	11°27	8°33	22°19	27°11	6°26	26°54	26°36	25°17	12°16	M18
T 19	10 16 38	5°58'26	2♐17	0♓ 5	21°59	10°51	11°40	8°29	22°22	27°10	6°27	26°D53	26°33	25°23	12°19	T 19
W20	10 20 35	6°58'20	14°29	1°57	23° 0	10°34	11°54	8°24	22°24	27° 8	6°29	26°53	26°30	25°30	12°22	W20
T 21	10 24 31	7°58'12	26°56	3°50	24° 2	10°18	12° 8	8°19	22°27	27° 7	6°30	26°54	26°27	25°37	12°25	T 21
F 22	10 28 28	8°58'02	9♑44	5°43	25° 3	10° 2	12°21	8°14	22°30	27° 6	6°31	26°55	26°23	25°44	12°28	F 22
S 23	10 32 24	9°57'51	22°55	7°38	26° 4	9°47	12°35	8°10	22°32	27° 5	6°32	26°56	26°20	25°50	12°32	S 23
S 24	10 36 21	10°57'37	6♒32	9°34	27° 4	9°34	12°48	8° 5	22°35	27° 4	6°34	26°57	26°17	25°57	12°35	S 24
M25	10 40 17	11°57'22	20°33	11°31	28° 4	9°20	13° 2	8° 0	22°38	27° 3	6°35	26°R58	26°14	26° 4	12°38	M25
T 26	10 44 14	12°57'05	4♓57	13°29	29° 3	9° 8	13°15	7°55	22°41	27° 1	6°36	26°58	26°11	26°10	12°41	T 26
W27	10 48 11	13°56'46	19°39	15°27	0♉ 2	8°56	13°29	7°51	22°44	27° 0	6°38	26°57	26° 8	26°17	12°45	W27
T 28	10 52 7	14°56'24	4♈31	17°27	1° 1	8°45	13°42	7°46	22°47	26°59	6°39	26°55	26° 4	26°24	12°48	T 28
F 29	10 56 4	15♓56'01	19♈27	19♓27	1♉59	8♌35	13♒55	7♍41	22♈49	26♋58	6♈40	26♒52	26♒ 1	26♎30	12♈52	F 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	15s32	7n13	3n36	21s54	1s37	1n24	0n25	20n 3	4n33	19s 7	0s38	9n57	2n12	8n 0	0s32	20n38	0s 7	13s 6	16s58	12s35	12s24	13s 5	6n 3	1n38
S 2	15 13	13 35	4 27	21 38	1 42	1 55	0 30	20 11	4 33	19 3	0 38	9 59	2 12	8 0	0 32	20 38	0 7	13 5	16 57	12 35	12 25	13 8	6 4	1 38
S 3	14 54	19 10	5 1	21 21	1 46	2 26	0 35	20 18	4 33	19 0	0 38	10 1	2 12	8 1	0 32	20 38	0 7	13 5	16 57	12 35	12 26	13 11	6 5	1 37
M 4	14 35	23 38	5 16	21 2	1 50	2 58	0 40	20 25	4 32	18 56	0 39	10 2	2 12	8 2	0 32	20 39	0 7	13 4	16 57	12 35	12 27	13 14	6 6	1 37
T 5	14 16	26 40	5 13	20 42	1 53	3 28	0 45	20 31	4 32	18 52	0 39	10 4	2 12	8 3	0 32	20 39	0 7	13 3	16 56	12 35	12 28	13 17	6 7	1 37
W 6	13 56	28 3	4 51	20 21	1 57	3 59	0 50	20 38	4 31	18 49	0 39	10 6	2 13	8 4	0 32	20 39	0 7	13 3	16 56	12 35	12 29	13 20	6 8	1 37
T 7	13 36	27 43	4 14	19 57	1 59	4 30	0 55	20 44	4 30	18 45	0 39	10 8	2 13	8 4	0 32	20 40	0 7	13 2	16 56	12 35	12 31	13 23	6 9	1 37
F 8	13 16	25 47	3 23	19 33	2 2	5 1	1 0	20 50	4 29	18 41	0 39	10 10	2 13	8 5	0 32	20 40	0 7	13 1	16 56	12 35	12 32	13 26	6 10	1 37
S 9	12 56	22 29	2 22	19 7	2 4	5 31	1 5	20 56	4 28	18 38	0 39	10 11	2 13	8 6	0 32	20 40	0 7	13 1	16 55	12 35	12 33	13 28	6 11	1 37
S 10	12 35	18 8	1 15	18 39	2 5	6 2	1 11	21 2	4 27	18 34	0 39	10 13	2 13	8 7	0 32	20 41	0 7	13 0	16 55	12 35	12 34	13 31	6 12	1 36
M11	12 14	13 3	0 6	18 10	2 7	6 32	1 16	21 7	4 26	18 30	0 39	10 15	2 13	8 8	0 32	20 41	0 7	12 59	16 55	12 35	12 35	13 34	6 13	1 36
T 12	11 53	7 31	1s 3	17 39	2 7	7 2	1 21	21 12	4 25	18 27	0 39	10 17	2 13	8 9	0 32	20 41	0 7	12 59	16 55	12 35	12 36	13 37	6 14	1 36
W13	11 32	1 48	2 7	17 7	2 8	7 32	1 26	21 17	4 24	18 23	0 40	10 19	2 13	8 10	0 32	20 41	0 7	12 58	16 55	12 35	12 37	13 40	6 15	1 36
T 14	11 11	3s54	3 5	16 33	2 8	8 1	1 32	21 21	4 22	18 19	0 40	10 21	2 14	8 11	0 32	20 42	0 7	12 58	16 54	12 36	12 38	13 43	6 16	1 36
F 15	10 49	9 24	3 55	15 58	2 7	8 31	1 37	21 26	4 21	18 16	0 40	10 23	2 14	8 12	0 32	20 42	0 7	12 57	16 54	12 36	12 39	13 46	6 17	1 36
S 16	10 28	14 31	4 33	15 21	2 6	9 0	1 43	21 30	4 19	18 12	0 40	10 24	2 14	8 13	0 32	20 42	0 7	12 56	16 54	12 36	12 40	13 49	6 18	1 36
S 17	10 6	19 6	5 0	14 43	2 5	9 29	1 48	21 33	4 18	18 8	0 40	10 26	2 14	8 14	0 32	20 42	0 7	12 56	16 54	12 36	12 41	13 52	6 19	1 36
M18	9 44	22 57	5 15	14 3	2 3	9 58	1 53	21 37	4 16	18 5	0 40	10 28	2 14	8 15	0 32	20 43	0 7	12 55	16 54	12 37	12 43	13 55	6 20	1 35
T 19	9 22	25 52	5 15	13 22	2 0	10 26	1 59	21 40	4 14	18 1	0 40	10 30	2 14	8 16	0 32	20 43	0 7	12 54	16 53	12 37	12 44	13 58	6 21	1 35
W20	9 0	27 39	5 2	12 39	1 57	10 55	2 4	21 43	4 12	17 57	0 40	10 32	2 14	8 17	0 32	20 43	0 7	12 54	16 53	12 37	12 45	14 1	6 22	1 35
T 21	8 37	28 6	4 34	11 55	1 54	11 23	2 10	21 46	4 10	17 54	0 41	10 34	2 14	8 18	0 31	20 44	0 7	12 53	16 53	12 37	12 46	14 4	6 23	1 35
F 22	8 15	27 4	3 53	11 9	1 50	11 50	2 15	21 48	4 8	17 50	0 41	10 36	2 14	8 19	0 31	20 44	0 7	12 52	16 53	12 36	12 47	14 7	6 25	1 35
S 23	7 52	24 31	2 57	10 22	1 45	12 18	2 21	21 50	4 6	17 46	0 41	10 37	2 14	8 20	0 31	20 44	0 7	12 52	16 53	12 36	12 48	14 9	6 26	1 35
S 24	7 30	20 31	1 51	9 34	1 40	12 45	2 26	21 52	4 4	17 42	0 41	10 39	2 14	8 21	0 31	20 44	0 7	12 51	16 53	12 35	12 49	14 12	6 27	1 35
M25	7 7	15 16	0 35	8 44	1 34	13 12	2 32	21 54	4 2	17 39	0 41	10 41	2 14	8 22	0 31	20 44	0 7	12 50	16 52	12 35	12 50	14 15	6 28	1 35
T 26	6 44	9 4	0n44	7 53	1 28	13 39	2 38	21 55	4 0	17 35	0 41	10 43	2 14	8 23	0 31	20 45	0 7	12 50	16 52	12 35	12 51	14 18	6 29	1 35
W27	6 21	2 15	2 2	7 0	1 21	14 5	2 43	21 56	3 58	17 31	0 41	10 45	2 14	8 24	0 31	20 45	0 7	12 49	16 52	12 36	12 52	14 21	6 30	1 34
T 28	5 58	4n45	3 13	6 7	1 14	14 31	2 49	21 57	3 56	17 28	0 42	10 47	2 14	8 25	0 31	20 45	0 7	12 48	16 52	12 36	12 53	14 24	6 32	1 34
F 29	5s34	11n30	4n10	5s12	1s 6	14n56	2n54	21n58	3n54	17s24	0s42	10n48	2n15	8n26	0s31	20n45	0s 7	12s48	16s52	12s37	12s54	14s27	6n33	1n34

Julian Day Number = 2121402.5, Delta T = 17m55s
Ecliptic obliquity = 23°33'31, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°08'21, Lahiri = 11°15'21 Julian Calendar 1 Feb. 1096 == Greg. Calendar 7 Feb. 1096

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1096
geocentric

MARCH 1096 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 0 0	16♓55'35	4♉17	21♓28	2♉56	8°R26	14♒ 8	7°R37	22♈52	26°R57	6♈42	26°R50	25♒58	26♎37	12♈55	S 1
S 2	11 3 57	17°55'07	18°55	23°29	3°53	8♌17	14°21	7♍32	22°55	26♋56	6°43	26♒47	25°55	26°44	12°58	S 2
M 3	11 7 53	18°54'37	3♊15	25°30	4°50	8°10	14°35	7°27	22°58	26°56	6°44	26°46	25°52	26°51	13° 2	M 3
T 4	11 11 50	19°54'04	17°16	27°30	5°46	8° 3	14°48	7°23	23° 1	26°55	6°46	26°D45	25°49	26°57	13° 5	T 4
W 5	11 15 46	20°53'29	0♋55	29°31	6°41	7°56	15° 1	7°18	23° 4	26°54	6°47	26°45	25°45	27° 4	13° 9	W 5
T 6	11 19 43	21°52'51	14°14	1♈31	7°36	7°51	15°14	7°14	23° 7	26°53	6°49	26°47	25°42	27°11	13°12	T 6
F 7	11 23 40	22°52'12	27°15	3°30	8°30	7°47	15°26	7° 9	23°10	26°52	6°50	26°48	25°39	27°17	13°16	F 7
S 8	11 27 36	23°51'29	10♌ 1	5°27	9°23	7°43	15°39	7° 5	23°14	26°51	6°51	26°50	25°36	27°24	13°19	S 8
S 9	11 31 33	24°50'45	22°33	7°23	10°16	7°40	15°52	7° 0	23°17	26°51	6°53	26°R51	25°33	27°31	13°23	S 9
M10	11 35 29	25°49'58	4♍54	9°16	11° 8	7°37	16° 5	6°56	23°20	26°50	6°54	26°50	25°29	27°38	13°27	M10
T 11	11 39 26	26°49'09	17° 6	11° 7	12° 0	7°36	16°17	6°52	23°23	26°49	6°56	26°49	25°26	27°44	13°30	T 11
W12	11 43 22	27°48'18	29°10	12°55	12°51	7°35	16°30	6°47	23°26	26°49	6°57	26°45	25°23	27°51	13°34	W12
T 13	11 47 19	28°47'24	11♎ 9	14°40	13°40	7°D35	16°42	6°43	23°29	26°48	6°58	26°41	25°20	27°58	13°37	T 13
F 14	11 51 15	29°46'29	23° 3	16°21	14°30	7°36	16°54	6°39	23°33	26°47	7° 0	26°35	25°17	28° 4	13°41	F 14
S 15	11 55 12	0♈45'32	4♏55	17°58	15°18	7°37	17° 7	6°35	23°36	26°47	7° 1	26°29	25°14	28°11	13°45	S 15
S 16	11 59 8	1°44'32	16°47	19°30	16° 5	7°39	17°19	6°31	23°39	26°46	7° 3	26°23	25°10	28°18	13°48	S 16
M17	12 3 5	2°43'31	28°41	20°58	16°52	7°42	17°31	6°27	23°42	26°46	7° 4	26°17	25° 7	28°24	13°52	M17
T 18	12 7 2	3°42'29	10♐42	22°20	17°38	7°46	17°43	6°23	23°46	26°45	7° 5	26°13	25° 4	28°31	13°56	T 18
W19	12 10 58	4°41'24	22°52	23°38	18°23	7°50	17°55	6°19	23°49	26°45	7° 7	26°11	25° 1	28°38	13°59	W19
T 20	12 14 55	5°40'17	5♑16	24°50	19° 6	7°55	18° 7	6°15	23°52	26°44	7° 8	26°D10	24°58	28°45	14° 3	T 20
F 21	12 18 51	6°39'09	17°58	25°56	19°49	8° 0	18°19	6°11	23°56	26°44	7°10	26°10	24°54	28°51	14° 7	F 21
S 22	12 22 48	7°37'59	1♒ 3	26°57	20°31	8° 7	18°31	6° 7	23°59	26°44	7°11	26°12	24°51	28°58	14°10	S 22
S 23	12 26 44	8°36'47	14°34	27°51	21°11	8°14	18°42	6° 4	24° 2	26°43	7°13	26°13	24°48	29° 5	14°14	S 23
M24	12 30 41	9°35'34	28°33	28°40	21°51	8°21	18°54	6° 0	24° 6	26°43	7°14	26°R13	24°45	29°11	14°18	M24
T 25	12 34 37	10°34'18	12♓59	29°22	22°29	8°29	19° 5	5°57	24° 9	26°43	7°15	26°12	24°42	29°18	14°21	T 25
W26	12 38 34	11°33'01	27°49	29°58	23° 6	8°38	19°17	5°53	24°12	26°43	7°17	26° 9	24°39	29°25	14°25	W26
T 27	12 42 31	12°31'41	12♈56	0♉28	23°42	8°47	19°28	5°50	24°16	26°43	7°18	26° 4	24°35	29°32	14°29	T 27
F 28	12 46 27	13°30'20	28°10	0°52	24°17	8°57	19°39	5°47	24°19	26°42	7°20	25°57	24°32	29°38	14°33	F 28
S 29	12 50 24	14°28'57	13♉21	1° 9	24°50	9° 7	19°50	5°43	24°23	26°42	7°21	25°50	24°29	29°45	14°36	S 29
S 30	12 54 20	15°27'31	28°19	1°20	25°22	9°19	20° 1	5°40	24°26	26°42	7°23	25°43	24°26	29°52	14°40	S 30
M31	12 58 17	16♈26'04	12♊56	1°R25	25♉52	9♌30	20♒12	5♍37	24♈30	26♋42	7♈24	25♒37	24♒23	29♎58	14♈44	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	5s11	17n34	4n51	4s17	0s57	15n22	3n 0	21n58	3n51	17s20	0s42	10n50	2n15	8n27	0s31	20n46	0s 7	12s47	16s52	12s38	12s56	14s30	6n34	1n34	S 1
S 2	4 48	22 31	5 12	3 21	0 48	15 47	3 5	21 58	3 49	17 16	0 42	10 52	2 15	8 28	0 31	20 46	0 7	12 46	16 52	12 39	12 57	14 32	6 35	1 34	S 2
M 3	4 25	26 1	5 13	2 24	0 39	16 11	3 11	21 58	3 47	17 13	0 42	10 54	2 15	8 29	0 31	20 46	0 7	12 46	16 51	12 39	12 58	14 35	6 37	1 34	M 3
T 4	4 1	27 50	4 55	1 26	0 29	16 35	3 16	21 57	3 44	17 9	0 42	10 55	2 15	8 31	0 31	20 46	0 7	12 45	16 51	12 40	12 59	14 38	6 38	1 34	T 4
W 5	3 38	27 54	4 21	0 28	0 18	16 59	3 21	21 57	3 42	17 5	0 42	10 57	2 15	8 32	0 31	20 46	0 7	12 45	16 51	12 39	13 0	14 41	6 39	1 34	W 5
T 6	3 14	26 20	3 33	0n29	0 7	17 22	3 27	21 56	3 40	17 2	0 43	10 59	2 15	8 33	0 31	20 46	0 7	12 44	16 51	12 39	13 1	14 44	6 40	1 34	T 6
F 7	2 51	23 21	2 35	1 27	0n 4	17 45	3 32	21 55	3 37	16 58	0 43	11 0	2 15	8 34	0 31	20 47	0 7	12 43	16 51	12 38	13 2	14 47	6 42	1 34	F 7
S 8	2 27	19 17	1 31	2 25	0 15	18 8	3 38	21 53	3 35	16 54	0 43	11 2	2 15	8 35	0 31	20 47	0 7	12 43	16 51	12 38	13 3	14 50	6 43	1 33	S 8
S 9	2 3	14 26	0 24	3 21	0 27	18 30	3 43	21 52	3 33	16 51	0 43	11 4	2 15	8 36	0 31	20 47	0 7	12 42	16 51	12 38	13 4	14 52	6 44	1 33	S 9
M10	1 40	9 5	0s44	4 17	0 39	18 51	3 48	21 50	3 30	16 47	0 43	11 5	2 15	8 38	0 31	20 47	0 7	12 41	16 51	12 38	13 5	14 55	6 46	1 33	M10
T 11	1 16	3 27	1 49	5 12	0 51	19 12	3 53	21 48	3 28	16 43	0 43	11 7	2 15	8 39	0 31	20 47	0 7	12 41	16 51	12 38	13 6	14 58	6 47	1 33	T 11
W12	0 53	2s14	2 48	6 6	1 3	19 33	3 58	21 46	3 25	16 40	0 44	11 9	2 14	8 40	0 31	20 47	0 7	12 40	16 51	12 39	13 7	15 1	6 48	1 33	W12
T 13	0 29	7 47	3 39	6 57	1 15	19 53	4 3	21 44	3 23	16 36	0 44	11 10	2 14	8 41	0 31	20 48	0 7	12 40	16 51	12 41	13 8	15 4	6 50	1 33	T 13
F 14	0 5	13 1	4 20	7 47	1 27	20 13	4 8	21 41	3 21	16 33	0 44	11 12	2 14	8 42	0 31	20 48	0 7	12 39	16 51	12 43	13 10	15 7	6 51	1 33	F 14
S 15	0n18	17 45	4 49	8 35	1 38	20 32	4 13	21 39	3 18	16 29	0 44	11 13	2 14	8 44	0 31	20 48	0 7	12 38	16 50	12 45	13 11	15 9	6 52	1 33	S 15
S 16	0 42	21 49	5 6	9 21	1 49	20 51	4 18	21 36	3 16	16 25	0 44	11 15	2 14	8 45	0 31	20 48	0 7	12 38	16 50	12 47	13 12	15 12	6 54	1 33	S 16
M17	1 5	25 0	5 10	10 4	2 0	21 9	4 23	21 33	3 14	16 22	0 44	11 16	2 14	8 46	0 31	20 48	0 7	12 37	16 50	12 49	13 13	15 15	6 55	1 33	M17
T 18	1 29	27 7	5 1	10 45	2 10	21 27	4 27	21 30	3 11	16 18	0 45	11 18	2 14	8 47	0 31	20 48	0 7	12 37	16 50	12 50	13 14	15 18	6 56	1 33	T 18
W19	1 52	27 59	4 38	11 23	2 20	21 44	4 32	21 26	3 9	16 15	0 45	11 19	2 14	8 49	0 31	20 48	0 7	12 36	16 50	12 51	13 15	15 21	6 58	1 32	W19
T 20	2 16	27 28	4 1	11 58	2 28	22 1	4 36	21 23	3 7	16 11	0 45	11 20	2 14	8 50	0 31	20 48	0 7	12 35	16 50	12 52	13 16	15 23	6 59	1 32	T 20
F 21	2 39	25 31	3 12	12 30	2 37	22 17	4 41	21 19	3 4	16 8	0 45	11 22	2 14	8 51	0 31	20 48	0 7	12 35	16 50	12 51	13 17	15 26	7 0	1 32	F 21
S 22	3 3	22 10	2 12	12 59	2 44	22 32	4 45	21 15	3 2	16 4	0 45	11 23	2 14	8 52	0 31	20 48	0 7	12 34	16 50	12 51	13 18	15 29	7 2	1 32	S 22
S 23	3 26	17 32	1 3	13 24	2 50	22 47	4 49	21 11	3 0	16 1	0 45	11 24	2 14	8 54	0 31	20 49	0 7	12 34	16 50	12 51	13 19	15 32	7 3	1 32	S 23
M24	3 49	11 50	0n13	13 47	2 55	23 2	4 53	21 7	2 57	15 57	0 46	11 26	2 14	8 55	0 31	20 49	0 6	12 33	16 50	12 50	13 20	15 35	7 5	1 32	M24
T 25	4 12	5 20	1 29	14 6	3 0	23 16	4 57	21 3	2 55	15 54	0 46	11 27	2 14	8 56	0 31	20 49	0 6	12 33	16 50	12 51	13 21	15 37	7 6	1 32	T 25
W26	4 35	1n36	2 42	14 22	3 3	23 29	5 1	20 58	2 53	15 51	0 46	11 28	2 14	8 57	0 31	20 49	0 6	12 32	16 50	12 52	13 22	15 40	7 7	1 32	W26
T 27	4 58	8 35	3 45	14 34	3 5	23 42	5 4	20 54	2 51	15 47	0 46	11 29	2 14	8 59	0 31	20 49	0 6	12 32	16 50	12 54	13 23	15 43	7 9	1 32	T 27
F 28	5 21	15 6	4 32	14 44	3 6	23 54	5 8	20 49	2 48	15 44	0 46	11 30	2 13	9 0	0 31	20 49	0 6	12 31	16 50	12 56	13 24	15 46	7 10	1 32	F 28
S 29	5 44	20 41	5 0	14 49	3 5	24 5	5 11	20 44	2 46	15 40	0 47	11 31	2 13	9 1	0 31	20 49	0 6	12 31	16 50	12 58	13 26	15 48	7 12	1 32	S 29
S 30	6 7	24 52	5 7	14 51	3 3	24 16	5 14	20 39	2 44	15 37	0 47	11 32	2 13	9 2	0 31	20 49	0 6	12 30	16 50	13 1	13 27	15 51	7 13	1 32	S 30
M31	6n30	27n19	4n53	14n50	3n 0	24n26	5n17	20n34	2n42	15s34	0s47	11n33	2n13	9n 4	0s31	20n49	0s 6	12s30	16s51	13s 3	13s28	15s54	7n14	1n32	M31

Julian Day Number = 2121431.5, Delta T = 17m55s
Ecliptic obliquity = 23°33'31, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°08'25, Lahiri = 11°15'25 Julian Calendar 1 March 1096 == Greg. Calendar 7 March 1096

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1096
geocentric

APRIL 1096 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 2 13	17♈24'34	27♊ 7	1°R25	26♉21	9♌42	20♒23	5°R34	24♈33	26°D42	7♈25	25°R33	24♒20	0♏ 5	14♈47	T 1
W 2	13 6 10	18°23'02	10♋51	1♉18	26°48	9°55	20°34	5♍32	24°36	26♋42	7°27	25♒31	24°16	0°12	14°51	W 2
T 3	13 10 6	19°21'28	24° 9	1° 6	27°13	10° 8	20°45	5°29	24°40	26°42	7°28	25°D31	24°13	0°19	14°55	T 3
F 4	13 14 3	20°19'52	7♌ 3	0°49	27°37	10°22	20°55	5°26	24°43	26°42	7°30	25°32	24°10	0°25	14°59	F 4
S 5	13 18 0	21°18'13	19°39	0°27	27°59	10°36	21° 5	5°23	24°47	26°42	7°31	25°R33	24° 7	0°32	15° 2	S 5
S 6	13 21 56	22°16'32	1♍59	0° 1	28°19	10°51	21°16	5°21	24°50	26°43	7°32	25°33	24° 4	0°39	15° 6	S 6
M 7	13 25 53	23°14'49	14° 8	29♈32	28°37	11° 6	21°26	5°19	24°54	26°43	7°34	25°31	24° 0	0°45	15°10	M 7
T 8	13 29 49	24°13'04	26° 9	28°59	28°53	11°22	21°36	5°16	24°57	26°43	7°35	25°27	23°57	0°52	15°13	T 8
W 9	13 33 46	25°11'18	8♎ 5	28°23	29° 7	11°38	21°46	5°14	25° 1	26°43	7°36	25°20	23°54	0°59	15°17	W 9
T 10	13 37 42	26° 9'29	19°58	27°46	29°19	11°54	21°56	5°12	25° 4	26°44	7°38	25°11	23°51	1° 5	15°21	T 10
F 11	13 41 39	27° 7'38	1♏50	27° 8	29°29	12°11	22° 6	5°10	25° 8	26°44	7°39	25° 0	23°48	1°12	15°24	F 11
S 12	13 45 35	28° 5'46	13°43	26°29	29°37	12°29	22°15	5° 8	25°11	26°44	7°41	24°48	23°45	1°19	15°28	S 12
S 13	13 49 32	29° 3'52	25°37	25°50	29°43	12°47	22°25	5° 6	25°14	26°45	7°42	24°36	23°41	1°26	15°32	S 13
M14	13 53 29	0♉ 1'57	7♐35	25°13	29°46	13° 5	22°34	5° 4	25°18	26°45	7°43	24°25	23°38	1°32	15°35	M14
T 15	13 57 25	1° 0'00	19°39	24°36	29°R47	13°23	22°43	5° 3	25°21	26°46	7°45	24°16	23°35	1°39	15°39	T 15
W16	14 1 22	1°58'01	1♑51	24° 3	29°45	13°43	22°53	5° 1	25°25	26°46	7°46	24°10	23°32	1°46	15°43	W16
T 17	14 5 18	2°56'01	14°16	23°31	29°41	14° 2	23° 2	5° 0	25°28	26°47	7°47	24° 6	23°29	1°52	15°46	T 17
F 18	14 9 15	3°54'00	26°56	23° 3	29°35	14°22	23°11	4°58	25°32	26°47	7°49	24° 5	23°26	1°59	15°50	F 18
S 19	14 13 11	4°51'57	9♒56	22°39	29°26	14°42	23°19	4°57	25°35	26°48	7°50	24°D 5	23°22	2° 6	15°53	S 19
S 20	14 17 8	5°49'53	23°19	22°18	29°15	15° 2	23°28	4°56	25°39	26°48	7°51	24°R 5	23°19	2°13	15°57	S 20
M21	14 21 4	6°47'48	7♓ 9	22° 2	29° 1	15°23	23°36	4°55	25°42	26°49	7°52	24° 4	23°16	2°19	16° 0	M21
T 22	14 25 1	7°45'41	21°27	21°49	28°45	15°45	23°45	4°54	25°45	26°50	7°54	24° 2	23°13	2°26	16° 4	T 22
W23	14 28 58	8°43'33	6♈10	21°42	28°27	16° 6	23°53	4°53	25°49	26°50	7°55	23°57	23°10	2°33	16° 8	W23
T 24	14 32 54	9°41'24	21°15	21°D39	28° 6	16°28	24° 1	4°52	25°52	26°51	7°56	23°50	23° 6	2°39	16°11	T 24
F 25	14 36 51	10°39'13	6♉31	21°40	27°44	16°50	24° 9	4°52	25°55	26°52	7°57	23°40	23° 3	2°46	16°14	F 25
S 26	14 40 47	11°37'01	21°49	21°46	27°19	17°13	24°17	4°51	25°59	26°53	7°59	23°29	23° 0	2°53	16°18	S 26
S 27	14 44 44	12°34'47	6♊57	21°57	26°52	17°36	24°25	4°51	26° 2	26°53	8° 0	23°19	22°57	3° 0	16°21	S 27
M28	14 48 40	13°32'32	21°45	22°12	26°23	17°59	24°32	4°50	26° 6	26°54	8° 1	23°10	22°54	3° 6	16°25	M28
T 29	14 52 37	14°30'16	6♋ 6	22°32	25°52	18°23	24°40	4°50	26° 9	26°55	8° 2	23° 3	22°51	3°13	16°28	T 29
W30	14 56 33	15♉27'57	19♋58	22♈56	25♉20	18♌47	24♒47	4♍50	26♈12	26♋56	8♈ 3	22♒59	22♒47	3♏20	16♈32	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n52	27n54	4n22	14n46	2n56	24n36	5n19	20n28	2n40	15s31	0s47	11n34	2n13	9n 5	0s31	20n49	0s 6	12s29	16s51	13s 4	13s29	15s57	7n16	1n32
W 2	7 15	26 42	3 36	14 38	2 50	24 45	5 21	20 23	2 38	15 27	0 47	11 35	2 13	9 6	0 31	20 49	0 6	12 29	16 51	13 5	13 30	15 59	7 17	1 31
T 3	7 37	24 1	2 40	14 27	2 42	24 53	5 24	20 17	2 36	15 24	0 48	11 36	2 13	9 7	0 31	20 49	0 6	12 28	16 51	13 5	13 31	16 2	7 18	1 31
F 4	7 59	20 10	1 38	14 13	2 34	25 0	5 25	20 11	2 34	15 21	0 48	11 37	2 13	9 9	0 31	20 49	0 6	12 28	16 51	13 4	13 32	16 5	7 20	1 31
S 5	8 21	15 30	0 32	13 56	2 24	25 7	5 27	20 6	2 31	15 18	0 48	11 38	2 13	9 10	0 31	20 49	0 6	12 27	16 51	13 4	13 33	16 8	7 21	1 31
S 6	8 43	10 17	0s34	13 36	2 12	25 13	5 28	20 0	2 29	15 15	0 48	11 39	2 12	9 11	0 31	20 49	0 6	12 27	16 51	13 4	13 34	16 10	7 23	1 31
M 7	9 5	4 46	1 38	13 14	2 0	25 18	5 29	19 53	2 27	15 12	0 48	11 40	2 12	9 13	0 31	20 49	0 6	12 26	16 51	13 5	13 35	16 13	7 24	1 31
T 8	9 26	0s51	2 36	12 49	1 46	25 22	5 30	19 47	2 25	15 8	0 49	11 40	2 12	9 14	0 31	20 49	0 6	12 26	16 51	13 6	13 36	16 16	7 25	1 31
W 9	9 48	6 23	3 27	12 23	1 32	25 26	5 30	19 41	2 23	15 5	0 49	11 41	2 12	9 15	0 31	20 49	0 6	12 25	16 51	13 8	13 37	16 18	7 27	1 31
T 10	10 9	11 40	4 8	11 55	1 16	25 28	5 30	19 34	2 21	15 2	0 49	11 42	2 12	9 16	0 31	20 49	0 6	12 25	16 51	13 12	13 38	16 21	7 28	1 31
F 11	10 30	16 31	4 39	11 26	1 0	25 30	5 30	19 27	2 20	14 59	0 49	11 42	2 12	9 18	0 31	20 49	0 6	12 24	16 51	13 15	13 39	16 24	7 30	1 31
S 12	10 51	20 45	4 57	10 57	0 44	25 31	5 29	19 21	2 18	14 57	0 49	11 43	2 12	9 19	0 31	20 49	0 6	12 24	16 51	13 19	13 40	16 27	7 31	1 31
S 13	11 12	24 9	5 2	10 27	0 27	25 31	5 28	19 14	2 16	14 54	0 50	11 44	2 12	9 20	0 31	20 49	0 6	12 24	16 52	13 23	13 41	16 29	7 32	1 31
M14	11 32	26 32	4 55	9 57	0 10	25 30	5 26	19 7	2 14	14 51	0 50	11 44	2 11	9 21	0 31	20 49	0 6	12 23	16 52	13 27	13 42	16 32	7 34	1 31
T 15	11 53	27 42	4 34	9 28	0s 7	25 29	5 24	18 59	2 12	14 48	0 50	11 45	2 11	9 23	0 31	20 48	0 6	12 23	16 52	13 30	13 44	16 35	7 35	1 31
W16	12 13	27 33	4 0	9 0	0 25	25 26	5 22	18 52	2 10	14 45	0 50	11 45	2 11	9 24	0 31	20 48	0 6	12 22	16 52	13 32	13 45	16 37	7 36	1 31
T 17	12 33	26 1	3 15	8 32	0 41	25 22	5 19	18 45	2 8	14 42	0 51	11 45	2 11	9 25	0 31	20 48	0 6	12 22	16 52	13 33	13 46	16 40	7 38	1 31
F 18	12 53	23 9	2 19	8 7	0 58	25 17	5 15	18 37	2 6	14 40	0 51	11 46	2 11	9 27	0 31	20 48	0 6	12 22	16 52	13 34	13 47	16 43	7 39	1 31
S 19	13 12	19 2	1 14	7 43	1 13	25 11	5 11	18 29	2 5	14 37	0 51	11 46	2 11	9 28	0 31	20 48	0 6	12 21	16 52	13 34	13 48	16 45	7 40	1 31
S 20	13 32	13 52	0 4	7 21	1 28	25 4	5 6	18 22	2 3	14 34	0 51	11 46	2 11	9 29	0 31	20 48	0 6	12 21	16 53	13 34	13 49	16 48	7 42	1 31
M21	13 51	7 52	1n 9	7 2	1 43	24 56	5 1	18 14	2 1	14 32	0 52	11 47	2 10	9 30	0 31	20 48	0 6	12 21	16 53	13 34	13 50	16 51	7 43	1 31
T 22	14 10	1 16	2 20	6 45	1 56	24 47	4 55	18 6	1 59	14 29	0 52	11 47	2 10	9 32	0 31	20 48	0 6	12 20	16 53	13 35	13 51	16 53	7 44	1 30
W23	14 29	5n34	3 23	6 30	2 9	24 36	4 49	17 58	1 58	14 27	0 52	11 47	2 10	9 33	0 31	20 48	0 6	12 20	16 53	13 36	13 52	16 56	7 46	1 30
T 24	14 47	12 15	4 14	6 18	2 21	24 25	4 42	17 49	1 56	14 24	0 52	11 47	2 10	9 34	0 31	20 48	0 6	12 20	16 53	13 39	13 53	16 59	7 47	1 30
F 25	15 6	18 17	4 48	6 9	2 32	24 12	4 34	17 41	1 54	14 22	0 52	11 47	2 10	9 35	0 31	20 47	0 6	12 19	16 53	13 42	13 54	17 1	7 48	1 30
S 26	15 24	23 9	5 1	6 2	2 41	23 58	4 26	17 32	1 53	14 19	0 53	11 47	2 10	9 36	0 31	20 47	0 6	12 19	16 54	13 45	13 55	17 4	7 50	1 30
S 27	15 41	26 23	4 52	5 58	2 50	23 43	4 17	17 24	1 51	14 17	0 53	11 47	2 9	9 38	0 31	20 47	0 6	12 19	16 54	13 49	13 56	17 7	7 51	1 30
M28	15 59	27 42	4 25	5 56	2 58	23 27	4 8	17 15	1 49	14 15	0 53	11 47	2 9	9 39	0 31	20 47	0 6	12 18	16 54	13 52	13 57	17 9	7 52	1 30
T 29	16 16	27 5	3 41	5 57	3 5	23 10	3 58	17 6	1 48	14 12	0 53	11 47	2 9	9 40	0 31	20 47	0 6	12 18	16 54	13 54	13 58	17 12	7 54	1 30
W30	16n33	24n47	2n45	6n 0	3s11	22n52	3n47	16n57	1n46	14s10	0s54	11n47	2n 9	9n41	0s31	20n47	0s 6	12s18	16s54	13s55	13s59	17s14	7n55	1n30

Julian Day Number = 2121462.5, Delta T = 17m54s
Ecliptic obliquity = 23°33'31, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°08'29, Lahiri = 11°15'30 Julian Calendar 1 Apr. 1096 == Greg. Calendar 7 Apr. 1096

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1096
geocentric

MAY 1096 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 0 30	16♉25'37	3♌21	23♈24	24°R46	19♌11	24♒54	4°D50	26♈16	26♋57	8♈ 5	22°R57	22♒44	3♏26	16♈35	T 1
F 2	15 4 27	17°23'16	16°17	23°57	24♉11	19°35	25° 1	4♍50	26°19	26°58	8° 6	22♒57	22°41	3°33	16°38	F 2
S 3	15 8 23	18°20'52	28°51	24°33	23°35	20° 0	25° 8	4°50	26°22	26°59	8° 7	22°57	22°38	3°40	16°42	S 3
S 4	15 12 20	19°18'28	11♍ 8	25°13	22°58	20°25	25°15	4°50	26°25	27° 0	8° 8	22°56	22°35	3°47	16°45	S 4
M 5	15 16 16	20°16'01	23°12	25°57	22°21	20°50	25°21	4°51	26°29	27° 1	8° 9	22°54	22°32	3°53	16°48	M 5
T 6	15 20 13	21°13'34	5♎ 8	26°45	21°43	21°16	25°27	4°51	26°32	27° 2	8°10	22°48	22°28	4° 0	16°51	T 6
W 7	15 24 9	22°11'04	17° 0	27°36	21° 5	21°41	25°34	4°52	26°35	27° 3	8°11	22°40	22°25	4° 7	16°54	W 7
T 8	15 28 6	23° 8'34	28°51	28°31	20°27	22° 7	25°40	4°52	26°38	27° 5	8°12	22°30	22°22	4°14	16°58	T 8
F 9	15 32 2	24° 6'02	10♏43	29°29	19°50	22°34	25°46	4°53	26°41	27° 6	8°13	22°17	22°19	4°20	17° 1	F 9
S 10	15 35 59	25° 3'30	22°39	0♑30	19°13	23° 0	25°51	4°54	26°45	27° 7	8°14	22° 3	22°16	4°27	17° 4	S 10
S 11	15 39 56	26° 0'56	4♐39	1°35	18°38	23°27	25°57	4°55	26°48	27° 8	8°16	21°50	22°12	4°34	17° 7	S 11
M12	15 43 52	26°58'21	16°44	2°43	18° 3	23°54	26° 2	4°56	26°51	27°10	8°17	21°37	22° 9	4°40	17°10	M12
T 13	15 47 49	27°55'46	28°57	3°53	17°30	24°21	26° 7	4°57	26°54	27°11	8°18	21°27	22° 6	4°47	17°13	T 13
W14	15 51 45	28°53'09	11♑18	5° 7	16°58	24°49	26°12	4°59	26°57	27°12	8°19	21°19	22° 3	4°54	17°16	W14
T 15	15 55 42	29°50'32	23°50	6°24	16°28	25°16	26°17	5° 0	27° 0	27°14	8°19	21°14	22° 0	5° 1	17°19	T 15
F 16	15 59 38	0♊47'54	6♒35	7°43	16° 0	25°44	26°22	5° 2	27° 3	27°15	8°20	21°12	21°57	5° 7	17°22	F 16
S 17	16 3 35	1°45'15	19°36	9° 6	15°33	26°12	26°27	5° 3	27° 6	27°16	8°21	21°D11	21°53	5°14	17°25	S 17
S 18	16 7 31	2°42'36	2♓57	10°31	15° 9	26°40	26°31	5° 5	27° 9	27°18	8°22	21°R11	21°50	5°21	17°28	S 18
M19	16 11 28	3°39'56	16°40	11°59	14°47	27° 9	26°35	5° 7	27°12	27°19	8°23	21°11	21°47	5°27	17°31	M19
T 20	16 15 25	4°37'16	0♈47	13°30	14°27	27°38	26°39	5° 9	27°15	27°21	8°24	21° 9	21°44	5°34	17°33	T 20
W21	16 19 21	5°34'35	15°16	15° 4	14°10	28° 7	26°43	5°11	27°18	27°22	8°25	21° 4	21°41	5°41	17°36	W21
T 22	16 23 18	6°31'54	0♉ 6	16°40	13°55	28°36	26°47	5°13	27°21	27°24	8°26	20°57	21°37	5°48	17°39	T 22
F 23	16 27 14	7°29'12	15° 9	18°20	13°42	29° 5	26°50	5°15	27°23	27°25	8°27	20°48	21°34	5°54	17°42	F 23
S 24	16 31 11	8°26'30	0♊16	20° 1	13°32	29°35	26°54	5°17	27°26	27°27	8°27	20°38	21°31	6° 1	17°44	S 24
S 25	16 35 7	9°23'47	15°18	21°46	13°24	0♍ 4	26°57	5°19	27°29	27°28	8°28	20°28	21°28	6° 8	17°47	S 25
M26	16 39 4	10°21'04	0♋ 4	23°33	13°18	0°34	27° 0	5°22	27°32	27°30	8°29	20°19	21°25	6°14	17°49	M26
T 27	16 43 0	11°18'20	14°27	25°23	13°15	1° 4	27° 2	5°25	27°35	27°32	8°30	20°13	21°22	6°21	17°52	T 27
W28	16 46 57	12°15'35	28°23	27°15	13°D15	1°35	27° 5	5°27	27°37	27°33	8°31	20° 8	21°18	6°28	17°54	W28
T 29	16 50 54	13°12'49	11♌50	29°10	13°16	2° 5	27° 7	5°30	27°40	27°35	8°31	20° 7	21°15	6°35	17°57	T 29
F 30	16 54 50	14°10'03	24°51	1♊ 8	13°20	2°36	27°10	5°33	27°42	27°37	8°32	20°D 6	21°12	6°41	17°59	F 30
S 31	16 58 47	15♊ 7'15	7♍28	3♊ 7	13♉26	3♍ 6	27♒12	5♍36	27♈45	27♋39	8♈33	20♒ 7	21♒ 9	6♏48	18♈ 2	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n50	21n 9	1n42	6n 6	3s16	22n33	3n36	16n48	1n44	14s 8	0s54	11n47	2n 9	9n43	0s31	20n46	0s 6	12s18	16s55	13s56	14s 0	17s17	7n56	1n30
F 2	17 6	16 36	0 35	6 14	3 20	22 13	3 25	16 39	1 43	14 6	0 54	11 47	2 9	9 44	0 31	20 46	0 6	12 17	16 55	13 56	14 1	17 20	7 57	1 30
S 3	17 23	11 27	0s31	6 24	3 23	21 52	3 13	16 29	1 41	14 4	0 54	11 47	2 8	9 45	0 31	20 46	0 6	12 17	16 55	13 56	14 2	17 22	7 59	1 30
S 4	17 38	5 58	1 35	6 37	3 26	21 30	3 0	16 20	1 40	14 2	0 55	11 46	2 8	9 46	0 31	20 46	0 6	12 17	16 55	13 56	14 3	17 25	8 0	1 30
M 5	17 54	0 23	2 33	6 51	3 27	21 8	2 47	16 10	1 38	14 0	0 55	11 46	2 8	9 47	0 31	20 46	0 6	12 17	16 56	13 57	14 4	17 27	8 1	1 30
T 6	18 9	5s 9	3 23	7 8	3 28	20 45	2 34	16 1	1 37	13 58	0 55	11 46	2 8	9 48	0 31	20 46	0 6	12 16	16 56	13 59	14 5	17 30	8 2	1 30
W 7	18 24	10 28	4 4	7 26	3 28	20 22	2 20	15 51	1 35	13 56	0 56	11 45	2 8	9 50	0 31	20 45	0 6	12 16	16 56	14 2	14 7	17 33	8 4	1 30
T 8	18 39	15 24	4 35	7 47	3 27	19 59	2 6	15 41	1 34	13 54	0 56	11 45	2 8	9 51	0 31	20 45	0 6	12 16	16 56	14 5	14 8	17 35	8 5	1 30
F 9	18 53	19 45	4 53	8 9	3 25	19 35	1 52	15 31	1 32	13 53	0 56	11 44	2 7	9 52	0 31	20 45	0 6	12 16	16 56	14 9	14 9	17 38	8 6	1 30
S 10	19 8	23 21	4 59	8 32	3 23	19 12	1 38	15 21	1 31	13 51	0 56	11 44	2 7	9 53	0 31	20 45	0 6	12 16	16 57	14 14	14 10	17 40	8 7	1 30
S 11	19 21	25 57	4 52	8 58	3 20	18 48	1 24	15 10	1 29	13 49	0 57	11 43	2 7	9 54	0 31	20 44	0 6	12 15	16 57	14 18	14 11	17 43	8 8	1 30
M12	19 35	27 24	4 32	9 24	3 16	18 25	1 10	15 0	1 28	13 48	0 57	11 43	2 7	9 55	0 31	20 44	0 6	12 15	16 57	14 22	14 12	17 45	8 10	1 30
T 13	19 48	27 32	3 59	9 52	3 12	18 2	0 56	14 50	1 26	13 46	0 57	11 42	2 7	9 56	0 31	20 44	0 6	12 15	16 58	14 25	14 13	17 48	8 11	1 30
W14	20 1	26 18	3 14	10 22	3 6	17 39	0 42	14 39	1 25	13 45	0 57	11 42	2 7	9 57	0 31	20 44	0 6	12 15	16 58	14 28	14 14	17 51	8 12	1 30
T 15	20 13	23 44	2 19	10 52	3 1	17 17	0 28	14 28	1 24	13 43	0 58	11 41	2 6	9 59	0 31	20 43	0 6	12 15	16 58	14 30	14 15	17 53	8 13	1 30
F 16	20 25	19 57	1 16	11 24	2 54	16 56	0 14	14 18	1 22	13 42	0 58	11 40	2 6	10 0	0 31	20 43	0 6	12 15	16 58	14 30	14 16	17 56	8 14	1 30
S 17	20 37	15 9	0 8	11 57	2 48	16 35	0 1	14 7	1 21	13 41	0 58	11 39	2 6	10 1	0 31	20 43	0 6	12 15	16 59	14 31	14 17	17 58	8 15	1 30
S 18	20 48	9 31	1n 2	12 31	2 40	16 16	0s13	13 56	1 20	13 39	0 59	11 39	2 6	10 2	0 31	20 43	0 6	12 15	16 59	14 31	14 18	18 1	8 16	1 30
M19	20 59	3 17	2 10	13 5	2 32	15 57	0 26	13 45	1 18	13 38	0 59	11 38	2 6	10 3	0 31	20 42	0 6	12 15	16 59	14 31	14 19	18 3	8 17	1 30
T 20	21 10	3n16	3 13	13 41	2 24	15 39	0 38	13 33	1 17	13 37	0 59	11 37	2 6	10 4	0 31	20 42	0 6	12 14	16 59	14 31	14 20	18 6	8 18	1 30
W21	21 20	9 48	4 5	14 17	2 15	15 22	0 50	13 22	1 16	13 36	0 59	11 36	2 5	10 5	0 31	20 42	0 6	12 14	17 0	14 33	14 21	18 8	8 19	1 30
T 22	21 30	15 57	4 42	14 53	2 6	15 6	1 2	13 11	1 14	13 35	1 0	11 35	2 5	10 6	0 31	20 42	0 6	12 14	17 0	14 35	14 22	18 11	8 21	1 30
F 23	21 40	21 14	5 0	15 30	1 56	14 52	1 14	12 59	1 13	13 34	1 0	11 34	2 5	10 7	0 31	20 41	0 6	12 14	17 0	14 38	14 23	18 13	8 22	1 30
S 24	21 49	25 9	4 57	16 8	1 46	14 38	1 25	12 48	1 12	13 33	1 0	11 33	2 5	10 8	0 31	20 41	0 6	12 14	17 1	14 41	14 24	18 16	8 23	1 30
S 25	21 58	27 17	4 34	16 45	1 36	14 25	1 35	12 36	1 10	13 32	1 1	11 32	2 5	10 9	0 31	20 41	0 6	12 14	17 1	14 44	14 25	18 18	8 24	1 30
M26	22 7	27 26	3 53	17 23	1 25	14 14	1 45	12 24	1 9	13 32	1 1	11 31	2 5	10 10	0 31	20 40	0 6	12 14	17 1	14 47	14 26	18 21	8 25	1 30
T 27	22 15	25 42	2 57	18 0	1 14	14 4	1 55	12 12	1 8	13 31	1 1	11 30	2 4	10 11	0 31	20 40	0 6	12 14	17 2	14 49	14 27	18 23	8 26	1 30
W28	22 23	22 26	1 53	18 37	1 3	13 55	2 5	12 0	1 7	13 30	1 1	11 29	2 4	10 12	0 31	20 40	0 6	12 14	17 2	14 51	14 28	18 26	8 26	1 30
T 29	22 30	18 2	0 44	19 13	0 52	13 47	2 13	11 48	1 5	13 30	1 2	11 28	2 4	10 13	0 31	20 39	0 6	12 14	17 2	14 51	14 29	18 28	8 27	1 30
F 30	22 37	12 54	0s25	19 49	0 41	13 40	2 22	11 36	1 4	13 29	1 2	11 27	2 4	10 14	0 31	20 39	0 6	12 14	17 2	14 51	14 30	18 31	8 28	1 30
S 31	22n43	7n24	1s31	20n24	0s30	13n34	2s30	11n23	1n 3	13s29	1s 2	11n25	2n 4	10n15	0s31	20n39	0s 5	12s14	17s 3	14s51	14s31	18s33	8n29	1n30

Julian Day Number = 2121492.5, Delta T = 17m54s
Ecliptic obliquity = 23°33'30, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°08'33, Lahiri = 11°15'34 Julian Calendar 1 May 1096 == Greg. Calendar 7 May 1096

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1096
geocentric

JUNE 1096 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 2 43	16♊ 4'27	19♍46	5♊ 9	13♉34	3♍37	27♒13	5♍39	27♈48	27♋40	8♈33	20°R 7	21♒ 6	6♏55	18♈ 4	S 1
M 2	17 6 40	17° 1'39	1♎51	7°12	13°44	4° 8	27°15	5°42	27°50	27°42	8°34	20♒ 6	21° 3	7° 1	18° 6	M 2
T 3	17 10 36	17°58'50	13°47	9°18	13°57	4°40	27°16	5°45	27°53	27°44	8°35	20° 3	20°59	7° 8	18° 9	T 3
W 4	17 14 33	18°56'00	25°39	11°25	14°11	5°11	27°18	5°48	27°55	27°46	8°35	19°57	20°56	7°15	18°11	W 4
T 5	17 18 29	19°53'10	7♏30	13°33	14°27	5°43	27°19	5°52	27°58	27°47	8°36	19°49	20°53	7°22	18°13	T 5
F 6	17 22 26	20°50'19	19°25	15°42	14°45	6°15	27°20	5°55	28° 0	27°49	8°36	19°40	20°50	7°28	18°15	F 6
S 7	17 26 23	21°47'28	1♐25	17°53	15° 5	6°47	27°20	5°59	28° 2	27°51	8°37	19°30	20°47	7°35	18°17	S 7
S 8	17 30 19	22°44'37	13°33	20° 3	15°27	7°19	27°21	6° 2	28° 5	27°53	8°37	19°19	20°43	7°42	18°19	S 8
M 9	17 34 16	23°41'46	25°50	22°14	15°51	7°51	27°21	6° 6	28° 7	27°55	8°38	19° 9	20°40	7°49	18°21	M 9
T 10	17 38 12	24°38'54	8♑15	24°25	16°16	8°23	27°R21	6°10	28° 9	27°57	8°38	19° 2	20°37	7°55	18°23	T 10
W11	17 42 9	25°36'03	20°51	26°36	16°42	8°56	27°21	6°14	28°11	27°59	8°39	18°56	20°34	8° 2	18°25	W11
T 12	17 46 5	26°33'12	3♒38	28°45	17°11	9°28	27°21	6°18	28°14	28° 1	8°39	18°53	20°31	8° 9	18°27	T 12
F 13	17 50 2	27°30'20	16°37	0♋55	17°41	10° 1	27°20	6°22	28°16	28° 3	8°40	18°D52	20°28	8°15	18°29	F 13
S 14	17 53 59	28°27'29	29°50	3° 3	18°12	10°34	27°20	6°26	28°18	28° 5	8°40	18°52	20°24	8°22	18°30	S 14
S 15	17 57 55	29°24'38	13♓17	5°10	18°44	11° 7	27°19	6°30	28°20	28° 7	8°41	18°53	20°21	8°29	18°32	S 15
M16	18 1 52	0♋21'48	27° 1	7°15	19°18	11°40	27°18	6°35	28°22	28° 9	8°41	18°R54	20°18	8°36	18°34	M16
T 17	18 5 48	1°18'57	11♈ 1	9°19	19°53	12°14	27°16	6°39	28°24	28°11	8°41	18°53	20°15	8°42	18°35	T 17
W18	18 9 45	2°16'08	25°19	11°22	20°30	12°47	27°15	6°43	28°26	28°13	8°42	18°51	20°12	8°49	18°37	W18
T 19	18 13 41	3°13'19	9♉50	13°23	21° 8	13°21	27°13	6°48	28°28	28°15	8°42	18°47	20° 9	8°56	18°38	T 19
F 20	18 17 38	4°10'30	24°32	15°22	21°46	13°55	27°12	6°53	28°30	28°17	8°42	18°42	20° 5	9° 2	18°40	F 20
S 21	18 21 34	5° 7'42	9♊17	17°19	22°26	14°29	27°10	6°57	28°32	28°19	8°42	18°36	20° 2	9° 9	18°41	S 21
S 22	18 25 31	6° 4'54	23°58	19°15	23° 7	15° 3	27° 7	7° 2	28°33	28°21	8°43	18°29	19°59	9°16	18°43	S 22
M23	18 29 28	7° 2'07	8♋28	21° 9	23°49	15°37	27° 5	7° 7	28°35	28°23	8°43	18°24	19°56	9°23	18°44	M23
T 24	18 33 24	7°59'20	22°40	23° 1	24°32	16°11	27° 2	7°12	28°37	28°25	8°43	18°19	19°53	9°29	18°45	T 24
W25	18 37 21	8°56'33	6♌29	24°51	25°15	16°46	26°59	7°17	28°38	28°27	8°43	18°17	19°50	9°36	18°47	W25
T 26	18 41 17	9°53'47	19°55	26°39	26° 0	17°20	26°57	7°22	28°40	28°29	8°43	18°D17	19°46	9°43	18°48	T 26
F 27	18 45 14	10°51'00	2♍56	28°25	26°46	17°55	26°53	7°27	28°42	28°32	8°44	18°17	19°43	9°50	18°49	F 27
S 28	18 49 10	11°48'14	15°35	0♌ 9	27°32	18°30	26°50	7°32	28°43	28°34	8°44	18°19	19°40	9°56	18°50	S 28
S 29	18 53 7	12°45'28	27°56	1°52	28°19	19° 4	26°46	7°37	28°45	28°36	8°44	18°20	19°37	10° 3	18°51	S 29
M30	18 57 3	13♋42'42	10♎ 3	3♌32	29♉ 7	19♍40	26♒43	7♍43	28♈46	28♋38	8♈44	18°R21	19♒34	10♏10	18♈52	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n50	1n45	2s31	20n58	0s18	13n29	2s38	11n11	1n 2	13s29	1s 3	11n24	2n 4	10n16	0s31	20n38	0s 5	12s14	17s 3	14s51	14s32	18s36	8n30	1n30
M 2	22 55	3s51	3 23	21 30	0 7	13 25	2 45	10 59	1 0	13 28	1 3	11 23	2 3	10 17	0 31	20 38	0 5	12 14	17 3	14 51	14 33	18 38	8 31	1 30
T 3	23 1	9 14	4 6	22 1	0n 4	13 22	2 52	10 46	0 59	13 28	1 3	11 21	2 3	10 17	0 31	20 38	0 5	12 14	17 4	14 52	14 34	18 41	8 32	1 30
W 4	23 6	14 15	4 37	22 30	0 15	13 20	2 58	10 33	0 58	13 28	1 3	11 20	2 3	10 18	0 31	20 37	0 5	12 14	17 4	14 54	14 35	18 43	8 33	1 30
T 5	23 10	18 45	4 57	22 57	0 25	13 19	3 4	10 20	0 57	13 28	1 4	11 19	2 3	10 19	0 31	20 37	0 5	12 14	17 4	14 57	14 36	18 45	8 34	1 30
F 6	23 14	22 32	5 4	23 22	0 35	13 19	3 10	10 8	0 56	13 28	1 4	11 17	2 3	10 20	0 31	20 37	0 5	12 15	17 5	15 0	14 37	18 48	8 34	1 30
S 7	23 18	25 24	4 57	23 45	0 45	13 20	3 15	9 55	0 54	13 28	1 4	11 16	2 3	10 21	0 31	20 36	0 5	12 15	17 5	15 3	14 38	18 50	8 35	1 30
S 8	23 21	27 8	4 38	24 5	0 54	13 22	3 20	9 42	0 53	13 28	1 5	11 14	2 3	10 22	0 31	20 36	0 5	12 15	17 5	15 6	14 39	18 53	8 36	1 30
M 9	23 24	27 34	4 5	24 22	1 3	13 24	3 24	9 28	0 52	13 28	1 5	11 13	2 2	10 22	0 31	20 36	0 5	12 15	17 6	15 9	14 40	18 55	8 37	1 30
T 10	23 27	26 37	3 20	24 37	1 11	13 27	3 29	9 15	0 51	13 28	1 5	11 11	2 2	10 23	0 31	20 35	0 5	12 15	17 6	15 12	14 41	18 58	8 38	1 30
W11	23 29	24 18	2 24	24 49	1 18	13 31	3 32	9 2	0 50	13 29	1 6	11 10	2 2	10 24	0 31	20 35	0 5	12 15	17 7	15 13	14 42	19 0	8 38	1 30
T 12	23 31	20 45	1 21	24 58	1 25	13 36	3 36	8 49	0 49	13 29	1 6	11 8	2 2	10 25	0 31	20 34	0 5	12 15	17 7	15 14	14 43	19 2	8 39	1 30
F 13	23 32	16 7	0 12	25 4	1 31	13 41	3 39	8 35	0 48	13 29	1 6	11 6	2 2	10 26	0 31	20 34	0 5	12 15	17 7	15 15	14 44	19 5	8 40	1 30
S 14	23 33	10 40	0n59	25 7	1 36	13 46	3 42	8 22	0 47	13 30	1 6	11 5	2 2	10 26	0 31	20 34	0 5	12 16	17 8	15 15	14 45	19 7	8 40	1 30
S 15	23 33	4 38	2 8	25 8	1 41	13 53	3 45	8 8	0 45	13 31	1 7	11 3	2 2	10 27	0 31	20 33	0 5	12 16	17 8	15 14	14 46	19 10	8 41	1 30
M16	23 33	1n43	3 11	25 6	1 44	13 59	3 47	7 54	0 44	13 31	1 7	11 1	2 1	10 28	0 31	20 33	0 5	12 16	17 8	15 14	14 47	19 12	8 42	1 30
T 17	23 33	8 7	4 4	25 1	1 47	14 7	3 50	7 40	0 43	13 32	1 7	10 59	2 1	10 28	0 31	20 33	0 5	12 16	17 9	15 14	14 48	19 14	8 42	1 30
W18	23 32	14 13	4 43	24 53	1 50	14 15	3 51	7 27	0 42	13 33	1 8	10 58	2 1	10 29	0 31	20 32	0 5	12 16	17 9	15 15	14 49	19 17	8 43	1 30
T 19	23 31	19 38	5 4	24 44	1 51	14 23	3 53	7 13	0 41	13 34	1 8	10 56	2 1	10 30	0 31	20 32	0 5	12 17	17 9	15 16	14 50	19 19	8 44	1 30
F 20	23 30	23 57	5 7	24 32	1 52	14 31	3 54	6 59	0 40	13 34	1 8	10 54	2 1	10 30	0 31	20 31	0 5	12 17	17 10	15 18	14 52	19 21	8 44	1 30
S 21	23 28	26 42	4 48	24 17	1 52	14 40	3 56	6 44	0 39	13 35	1 9	10 52	2 1	10 31	0 31	20 31	0 5	12 17	17 10	15 20	14 53	19 24	8 45	1 30
S 22	23 25	27 36	4 12	24 1	1 52	14 50	3 57	6 30	0 38	13 36	1 9	10 50	2 1	10 32	0 31	20 31	0 5	12 17	17 10	15 22	14 54	19 26	8 45	1 30
M23	23 22	26 35	3 19	23 43	1 51	14 59	3 57	6 16	0 37	13 38	1 9	10 48	2 0	10 32	0 31	20 30	0 5	12 17	17 11	15 23	14 55	19 29	8 46	1 30
T 24	23 19	23 51	2 14	23 23	1 49	15 9	3 58	6 2	0 36	13 39	1 9	10 46	2 0	10 33	0 31	20 30	0 5	12 18	17 11	15 25	14 56	19 31	8 46	1 30
W25	23 15	19 46	1 4	23 1	1 47	15 19	3 58	5 47	0 35	13 40	1 10	10 44	2 0	10 33	0 31	20 29	0 5	12 18	17 11	15 25	14 57	19 33	8 47	1 30
T 26	23 11	14 47	0s 9	22 38	1 44	15 29	3 58	5 33	0 34	13 41	1 10	10 42	2 0	10 34	0 31	20 29	0 5	12 18	17 12	15 26	14 58	19 36	8 47	1 30
F 27	23 7	9 15	1 19	22 13	1 41	15 40	3 58	5 18	0 33	13 43	1 10	10 40	2 0	10 35	0 31	20 28	0 5	12 19	17 12	15 25	14 59	19 38	8 48	1 30
S 28	23 2	3 31	2 23	21 47	1 37	15 51	3 58	5 4	0 32	13 44	1 11	10 38	2 0	10 35	0 31	20 28	0 5	12 19	17 13	15 25	15 0	19 40	8 48	1 30
S 29	22 57	2s13	3 19	21 20	1 32	16 2	3 57	4 49	0 31	13 46	1 11	10 36	2 0	10 36	0 31	20 28	0 5	12 19	17 13	15 24	15 1	19 43	8 48	1 30
M30	22n51	7s45	4s 5	20n52	1n27	16n12	3s57	4n34	0n30	13s47	1s11	10n34	2n 0	10n36	0s31	20n27	0s 5	12s19	17s13	15s24	15s 2	19s45	8n49	1n30

Julian Day Number = 2121523.5, Delta T = 17m54s
Ecliptic obliquity = 23°33'30, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°08'38, Lahiri = 11°15'38 Julian Calendar 1 June 1096 == Greg. Calendar 7 June 1096

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1096
geocentric

JULY 1096 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 1 0	14♋39'57	22♎ 1	5♌11	29♉56	20♍15	26°R39	7♍48	28♈47	28♋40	8♈44	18°R21	19♒30	10♏16	18♈53	T 1
W 2	19 4 57	15°37'12	3♏54	6°48	0♊45	20°50	26♒35	7°53	28°49	28°42	8°44	18♒19	19°27	10°23	18°54	W 2
T 3	19 8 53	16°34'27	15°47	8°23	1°35	21°25	26°31	7°59	28°50	28°45	8°R44	18°16	19°24	10°30	18°54	T 3
F 4	19 12 50	17°31'43	27°45	9°56	2°26	22° 1	26°26	8° 4	28°51	28°47	8°44	18°12	19°21	10°37	18°55	F 4
S 5	19 16 46	18°29'00	9♐50	11°28	3°17	22°36	26°22	8°10	28°52	28°49	8°44	18° 8	19°18	10°43	18°56	S 5
S 6	19 20 43	19°26'17	22° 5	12°57	4° 9	23°12	26°17	8°16	28°54	28°51	8°44	18° 3	19°15	10°50	18°56	S 6
M 7	19 24 39	20°23'34	4♑33	14°25	5° 2	23°48	26°12	8°21	28°55	28°53	8°44	17°58	19°11	10°57	18°57	M 7
T 8	19 28 36	21°20'53	17°13	15°50	5°55	24°24	26° 7	8°27	28°56	28°56	8°44	17°55	19° 8	11° 3	18°57	T 8
W 9	19 32 32	22°18'12	0♒ 8	17°14	6°49	25° 0	26° 2	8°33	28°57	28°58	8°43	17°52	19° 5	11°10	18°58	W 9
T 10	19 36 29	23°15'32	13°16	18°36	7°43	25°36	25°57	8°39	28°58	29° 0	8°43	17°D51	19° 2	11°17	18°58	T 10
F 11	19 40 26	24°12'52	26°37	19°55	8°38	26°12	25°51	8°45	28°59	29° 2	8°43	17°52	18°59	11°24	18°59	F 11
S 12	19 44 22	25°10'14	10♓10	21°13	9°33	26°49	25°45	8°51	29° 0	29° 4	8°43	17°53	18°56	11°30	18°59	S 12
S 13	19 48 19	26° 7'37	23°54	22°28	10°29	27°25	25°40	8°57	29° 0	29° 7	8°43	17°54	18°52	11°37	18°59	S 13
M14	19 52 15	27° 5'01	7♈49	23°42	11°25	28° 2	25°34	9° 3	29° 1	29° 9	8°43	17°55	18°49	11°44	18°59	M14
T 15	19 56 12	28° 2'27	21°54	24°53	12°22	28°39	25°28	9° 9	29° 2	29°11	8°42	17°R56	18°46	11°51	19° 0	T 15
W16	20 0 8	28°59'54	6♉ 6	26° 1	13°19	29°15	25°21	9°16	29° 3	29°13	8°42	17°56	18°43	11°57	19° 0	W16
T 17	20 4 5	29°57'22	20°24	27° 8	14°17	29°52	25°15	9°22	29° 3	29°16	8°42	17°55	18°40	12° 4	19°R 0	T 17
F 18	20 8 1	0♌54'52	4♊44	28°12	15°15	0♎29	25° 9	9°28	29° 4	29°18	8°41	17°53	18°36	12°11	19° 0	F 18
S 19	20 11 58	1°52'23	19° 3	29°13	16°14	1° 6	25° 2	9°35	29° 4	29°20	8°41	17°51	18°33	12°17	18°59	S 19
S 20	20 15 55	2°49'55	3♋17	0♍11	17°13	1°44	24°55	9°41	29° 5	29°22	8°41	17°50	18°30	12°24	18°59	S 20
M21	20 19 51	3°47'29	17°21	1° 7	18°12	2°21	24°48	9°47	29° 5	29°24	8°40	17°48	18°27	12°31	18°59	M21
T 22	20 23 48	4°45'04	1♌11	2° 0	19°12	2°58	24°42	9°54	29° 6	29°27	8°40	17°47	18°24	12°38	18°59	T 22
W23	20 27 44	5°42'40	14°44	2°49	20°12	3°36	24°35	10° 0	29° 6	29°29	8°40	17°D46	18°21	12°44	18°59	W23
T 24	20 31 41	6°40'18	27°59	3°36	21°12	4°13	24°27	10° 7	29° 6	29°31	8°39	17°46	18°17	12°51	18°58	T 24
F 25	20 35 37	7°37'56	10♍54	4°19	22°13	4°51	24°20	10°14	29° 6	29°33	8°39	17°47	18°14	12°58	18°58	F 25
S 26	20 39 34	8°35'36	23°31	4°58	23°14	5°29	24°13	10°20	29° 7	29°36	8°38	17°48	18°11	13° 5	18°57	S 26
S 27	20 43 31	9°33'16	5♎51	5°33	24°15	6° 7	24° 6	10°27	29° 7	29°38	8°38	17°49	18° 8	13°11	18°57	S 27
M28	20 47 27	10°30'58	17°59	6° 4	25°17	6°45	23°58	10°34	29° 7	29°40	8°37	17°49	18° 5	13°18	18°56	M28
T 29	20 51 24	11°28'41	29°58	6°31	26°19	7°23	23°51	10°41	29°R 7	29°42	8°37	17°50	18° 1	13°25	18°56	T 29
W30	20 55 20	12°26'25	11♏52	6°53	27°21	8° 1	23°43	10°47	29° 7	29°44	8°36	17°R50	17°58	13°31	18°55	W30
T 31	20 59 17	13♌24'11	23♏46	7♍11	28♊24	8♎40	23♒35	10♍54	29♈ 7	29♋46	8♈35	17♒50	17♒55	13♏38	18♈54	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n45	12s56	4s40	20n23	1n22	16n24	3s56	4n19	0n29	13s49	1s11	10n32	2n 0	10n37	0s31	20n27	0s 5	12s20	17s14	15s24	15s 3	19s47	8n49	1n30
W 2	22 38	17 37	5 2	19 53	1 16	16 35	3 55	4 5	0 28	13 50	1 12	10 30	1 59	10 37	0 31	20 26	0 5	12 20	17 14	15 25	15 4	19 49	8 49	1 30
T 3	22 31	21 37	5 12	19 22	1 9	16 46	3 54	3 50	0 27	13 52	1 12	10 28	1 59	10 37	0 31	20 26	0 5	12 20	17 14	15 26	15 5	19 52	8 50	1 30
F 4	22 24	24 45	5 8	18 51	1 3	16 57	3 53	3 35	0 26	13 54	1 12	10 25	1 59	10 38	0 31	20 25	0 5	12 21	17 15	15 27	15 6	19 54	8 50	1 30
S 5	22 17	26 49	4 50	18 19	0 55	17 8	3 51	3 20	0 25	13 56	1 12	10 23	1 59	10 38	0 31	20 25	0 5	12 21	17 15	15 28	15 7	19 56	8 50	1 30
S 6	22 8	27 38	4 19	17 46	0 48	17 19	3 50	3 5	0 24	13 57	1 13	10 21	1 59	10 39	0 32	20 25	0 5	12 21	17 15	15 30	15 8	19 59	8 51	1 30
M 7	22 0	27 4	3 35	17 14	0 40	17 30	3 48	2 50	0 23	13 59	1 13	10 19	1 59	10 39	0 32	20 24	0 5	12 22	17 16	15 31	15 9	20 1	8 51	1 30
T 8	21 51	25 5	2 40	16 40	0 32	17 41	3 46	2 34	0 22	14 1	1 13	10 17	1 59	10 39	0 32	20 24	0 5	12 22	17 16	15 32	15 10	20 3	8 51	1 30
W 9	21 42	21 47	1 36	16 7	0 23	17 52	3 44	2 19	0 21	14 3	1 13	10 14	1 59	10 40	0 32	20 23	0 5	12 22	17 16	15 33	15 11	20 5	8 51	1 30
T 10	21 33	17 19	0 25	15 33	0 14	18 3	3 42	2 4	0 20	14 5	1 14	10 12	1 59	10 40	0 32	20 23	0 5	12 23	17 17	15 33	15 12	20 8	8 51	1 30
F 11	21 23	11 57	0n48	14 59	0 5	18 14	3 40	1 49	0 19	14 8	1 14	10 10	1 59	10 40	0 32	20 22	0 5	12 23	17 17	15 33	15 13	20 10	8 52	1 30
S 12	21 12	5 57	2 0	14 26	0s 4	18 25	3 37	1 33	0 18	14 10	1 14	10 7	1 58	10 41	0 32	20 22	0 5	12 24	17 18	15 33	15 13	20 12	8 52	1 30
S 13	21 2	0n24	3 5	13 52	0 14	18 35	3 35	1 18	0 17	14 12	1 14	10 5	1 58	10 41	0 32	20 21	0 5	12 24	17 18	15 33	15 14	20 14	8 52	1 30
M14	20 51	6 48	4 1	13 19	0 24	18 45	3 32	1 2	0 16	14 14	1 15	10 2	1 58	10 41	0 32	20 21	0 5	12 24	17 18	15 32	15 15	20 17	8 52	1 30
T 15	20 39	12 57	4 43	12 45	0 34	18 55	3 30	0 47	0 16	14 16	1 15	10 0	1 58	10 41	0 32	20 21	0 5	12 25	17 19	15 32	15 16	20 19	8 52	1 30
W16	20 28	18 28	5 8	12 12	0 45	19 5	3 27	0 31	0 15	14 19	1 15	9 58	1 58	10 42	0 32	20 20	0 5	12 25	17 19	15 32	15 17	20 21	8 52	1 30
T 17	20 16	22 59	5 15	11 40	0 55	19 15	3 24	0 16	0 14	14 21	1 15	9 55	1 58	10 42	0 32	20 20	0 5	12 26	17 19	15 32	15 18	20 23	8 52	1 30
F 18	20 3	26 8	5 2	11 8	1 6	19 24	3 21	0 0	0 13	14 23	1 16	9 53	1 58	10 42	0 32	20 19	0 5	12 26	17 20	15 33	15 19	20 26	8 52	1 30
S 19	19 50	27 35	4 30	10 36	1 17	19 33	3 18	0s16	0 12	14 26	1 16	9 50	1 58	10 42	0 32	20 19	0 5	12 27	17 20	15 33	15 20	20 28	8 52	1 30
S 20	19 37	27 12	3 41	10 5	1 28	19 42	3 15	0 31	0 11	14 28	1 16	9 48	1 58	10 42	0 32	20 18	0 5	12 27	17 20	15 34	15 21	20 30	8 52	1 30
M21	19 24	25 4	2 40	9 35	1 39	19 51	3 12	0 47	0 10	14 31	1 16	9 45	1 58	10 42	0 32	20 18	0 5	12 27	17 21	15 34	15 22	20 32	8 52	1 30
T 22	19 10	21 28	1 30	9 6	1 51	19 59	3 8	1 3	0 9	14 33	1 16	9 43	1 58	10 43	0 32	20 17	0 5	12 28	17 21	15 35	15 23	20 34	8 52	1 30
W23	18 56	16 46	0 17	8 37	2 2	20 7	3 5	1 18	0 8	14 36	1 17	9 40	1 58	10 43	0 32	20 17	0 5	12 28	17 21	15 35	15 24	20 37	8 52	1 30
T 24	18 42	11 21	0s56	8 10	2 13	20 15	3 2	1 34	0 8	14 38	1 17	9 38	1 58	10 43	0 32	20 16	0 5	12 29	17 22	15 35	15 25	20 39	8 52	1 30
F 25	18 27	5 36	2 4	7 44	2 24	20 22	2 58	1 50	0 7	14 41	1 17	9 35	1 58	10 43	0 32	20 16	0 5	12 29	17 22	15 35	15 26	20 41	8 51	1 30
S 26	18 12	0s15	3 5	7 19	2 36	20 29	2 55	2 6	0 6	14 44	1 17	9 32	1 58	10 43	0 32	20 16	0 5	12 30	17 22	15 34	15 27	20 43	8 51	1 30
S 27	17 57	5 56	3 56	6 56	2 47	20 35	2 51	2 22	0 5	14 46	1 17	9 30	1 57	10 43	0 32	20 15	0 5	12 30	17 22	15 34	15 28	20 45	8 51	1 30
M28	17 41	11 19	4 35	6 35	2 58	20 41	2 47	2 38	0 4	14 49	1 18	9 27	1 57	10 43	0 32	20 15	0 5	12 31	17 23	15 34	15 29	20 47	8 51	1 31
T 29	17 25	16 13	5 1	6 15	3 9	20 47	2 44	2 54	0 3	14 52	1 18	9 24	1 57	10 43	0 32	20 14	0 5	12 31	17 23	15 34	15 30	20 50	8 51	1 31
W30	17 9	20 27	5 15	5 57	3 19	20 52	2 40	3 10	0 2	14 54	1 18	9 22	1 57	10 43	0 32	20 14	0 5	12 32	17 23	15 34	15 31	20 52	8 50	1 31
T 31	16n53	23s53	5s15	5n41	3s29	20n57	2s36	3s26	0n 2	14s57	1s18	9n19	1n57	10n43	0s32	20n13	0s 5	12s32	17s24	15s34	15s32	20s54	8n50	1n31

Julian Day Number = 2121553.5, Delta T = 17m54s
Ecliptic obliquity = 23°33'30, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°08'42, Lahiri = 11°15'42 Julian Calendar 1 July 1096 == Greg. Calendar 7 July 1096

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1096
geocentric

AUGUST 1096 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 3 13	14♌21'57	5♐44	7♍23	29♊26	9♎18	23°R28	11♍ 1	29°R 7	29♋49	8°R35	17°R50	17♒52	13♏45	18°R53	F 1
S 2	21 7 10	15°19'45	17°51	7°30	0♋29	9°57	23♒20	11° 8	29♈ 6	29°51	8♈34	17♒49	17°49	13°52	18♈52	S 2
S 3	21 11 6	16°17'34	0♑11	7°R32	1°33	10°35	23°12	11°15	29° 6	29°53	8°34	17°49	17°46	13°58	18°52	S 3
M 4	21 15 3	17°15'25	12°46	7°28	2°37	11°14	23° 4	11°22	29° 6	29°55	8°33	17°49	17°42	14° 5	18°51	M 4
T 5	21 19 0	18°13'17	25°39	7°18	3°40	11°53	22°57	11°29	29° 6	29°57	8°32	17°D49	17°39	14°12	18°50	T 5
W 6	21 22 56	19°11'10	8♒50	7° 3	4°45	12°31	22°49	11°36	29° 5	29°59	8°32	17°49	17°36	14°18	18°49	W 6
T 7	21 26 53	20° 9'05	22°20	6°41	5°49	13°10	22°41	11°43	29° 5	0♌ 2	8°31	17°R49	17°33	14°25	18°47	T 7
F 8	21 30 49	21° 7'01	6♓ 6	6°13	6°54	13°49	22°33	11°50	29° 4	0° 4	8°30	17°49	17°30	14°32	18°46	F 8
S 9	21 34 46	22° 4'59	20° 7	5°40	7°59	14°28	22°25	11°57	29° 4	0° 6	8°30	17°49	17°27	14°39	18°45	S 9
S 10	21 38 42	23° 2'59	4♈17	5° 1	9° 4	15° 8	22°17	12° 5	29° 3	0° 8	8°29	17°48	17°23	14°45	18°44	S 10
M11	21 42 39	24° 1'00	18°34	4°16	10° 9	15°47	22° 9	12°12	29° 3	0°10	8°28	17°48	17°20	14°52	18°42	M11
T 12	21 46 35	24°59'04	2♉53	3°28	11°15	16°26	22° 1	12°19	29° 2	0°12	8°27	17°47	17°17	14°59	18°41	T 12
W13	21 50 32	25°57'10	17°11	2°35	12°20	17° 6	21°53	12°26	29° 1	0°14	8°26	17°47	17°14	15° 6	18°40	W13
T 14	21 54 28	26°55'17	1♊24	1°39	13°26	17°45	21°46	12°33	29° 1	0°16	8°26	17°D46	17°11	15°12	18°38	T 14
F 15	21 58 25	27°53'27	15°31	0°42	14°33	18°25	21°38	12°41	29° 0	0°18	8°25	17°47	17° 7	15°19	18°37	F 15
S 16	22 2 22	28°51'39	29°29	29♌43	15°39	19° 5	21°30	12°48	28°59	0°20	8°24	17°48	17° 4	15°26	18°35	S 16
S 17	22 6 18	29°49'53	13♋17	28°45	16°46	19°45	21°22	12°55	28°58	0°22	8°23	17°49	17° 1	15°32	18°34	S 17
M18	22 10 15	0♍48'09	26°53	27°49	17°53	20°25	21°14	13° 3	28°57	0°24	8°22	17°49	16°58	15°39	18°32	M18
T 19	22 14 11	1°46'27	10♌17	26°56	19° 0	21° 5	21° 7	13°10	28°56	0°26	8°21	17°50	16°55	15°46	18°30	T 19
W20	22 18 8	2°44'47	23°28	26° 7	20° 7	21°45	20°59	13°17	28°55	0°28	8°21	17°R50	16°52	15°53	18°28	W20
T 21	22 22 4	3°43'09	6♍24	25°23	21°14	22°25	20°52	13°25	28°54	0°30	8°20	17°49	16°48	15°59	18°27	T 21
F 22	22 26 1	4°41'33	19° 7	24°46	22°22	23° 5	20°44	13°32	28°53	0°32	8°19	17°48	16°45	16° 6	18°25	F 22
S 23	22 29 57	5°39'58	1♎36	24°17	23°29	23°46	20°37	13°39	28°52	0°34	8°18	17°45	16°42	16°13	18°23	S 23
S 24	22 33 54	6°38'25	13°52	23°56	24°37	24°26	20°29	13°47	28°50	0°36	8°17	17°43	16°39	16°20	18°21	S 24
M25	22 37 51	7°36'54	25°58	23°44	25°45	25° 7	20°22	13°54	28°49	0°38	8°16	17°40	16°36	16°26	18°19	M25
T 26	22 41 47	8°35'25	7♏55	23°D41	26°54	25°47	20°15	14° 2	28°48	0°39	8°15	17°37	16°33	16°33	18°17	T 26
W27	22 45 44	9°33'57	19°48	23°47	28° 2	26°28	20° 8	14° 9	28°47	0°41	8°14	17°34	16°29	16°40	18°15	W27
T 28	22 49 40	10°32'31	1♐41	24° 3	29°11	27° 9	20° 1	14°16	28°45	0°43	8°13	17°33	16°26	16°46	18°13	T 28
F 29	22 53 37	11°31'07	13°37	24°28	0♌19	27°50	19°54	14°24	28°44	0°45	8°12	17°D33	16°23	16°53	18°11	F 29
S 30	22 57 33	12°29'45	25°43	25° 2	1°28	28°31	19°47	14°31	28°42	0°47	8°11	17°33	16°20	17° 0	18° 9	S 30
S 31	23 1 30	13♍28'24	8♑ 1	25♌45	2♌37	29♎12	19♒41	14♍39	28♈41	0♌48	8♈10	17♒35	16♒17	17♏ 7	18♈ 6	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n36	26s19	5s 1	5n27	3s39	21n 1	2s32	3s41	0n 1	15s 0	1s18	9n16	1n57	10n43	0s32	20n13	0s 5	12s33	17s24	15s34	15s33	20s56	8n50	1n31
S 2	16 19	27 33	4 34	5 16	3 48	21 5	2 28	3 57	0s 0	15 2	1 18	9 14	1 57	10 43	0 32	20 12	0 5	12 33	17 24	15 34	15 34	20 58	8 49	1 31
S 3	16 2	27 28	3 54	5 7	3 57	21 9	2 24	4 13	0 1	15 5	1 18	9 11	1 57	10 43	0 32	20 12	0 5	12 34	17 25	15 34	15 35	21 0	8 49	1 31
M 4	15 44	25 58	3 2	5 1	4 5	21 12	2 20	4 29	0 2	15 8	1 19	9 8	1 57	10 42	0 32	20 11	0 5	12 34	17 25	15 34	15 36	21 2	8 49	1 31
T 5	15 27	23 5	2 0	4 58	4 12	21 14	2 16	4 45	0 2	15 11	1 19	9 6	1 57	10 42	0 32	20 11	0 5	12 35	17 25	15 34	15 37	21 4	8 48	1 31
W 6	15 9	18 56	0 50	4 58	4 18	21 16	2 12	5 1	0 3	15 13	1 19	9 3	1 57	10 42	0 32	20 11	0 5	12 35	17 25	15 34	15 38	21 7	8 48	1 31
T 7	14 50	13 45	0n25	5 2	4 23	21 18	2 8	5 17	0 4	15 16	1 19	9 0	1 57	10 42	0 32	20 10	0 5	12 36	17 26	15 34	15 39	21 9	8 48	1 31
F 8	14 32	7 46	1 40	5 8	4 27	21 19	2 4	5 33	0 5	15 19	1 19	8 57	1 57	10 42	0 32	20 10	0 5	12 36	17 26	15 34	15 40	21 11	8 47	1 31
S 9	14 13	1 20	2 49	5 19	4 29	21 19	2 0	5 49	0 6	15 21	1 19	8 55	1 57	10 42	0 32	20 9	0 5	12 37	17 26	15 34	15 41	21 13	8 47	1 31
S 10	13 54	5n13	3 50	5 32	4 30	21 19	1 56	6 5	0 6	15 24	1 19	8 52	1 57	10 41	0 32	20 9	0 5	12 37	17 27	15 34	15 42	21 15	8 46	1 31
M11	13 35	11 34	4 36	5 49	4 29	21 19	1 51	6 21	0 7	15 27	1 19	8 49	1 57	10 41	0 32	20 8	0 5	12 38	17 27	15 35	15 43	21 17	8 46	1 31
T 12	13 15	17 19	5 6	6 9	4 26	21 18	1 47	6 37	0 8	15 29	1 19	8 46	1 57	10 41	0 32	20 8	0 5	12 38	17 27	15 35	15 44	21 19	8 45	1 31
W13	12 56	22 6	5 16	6 32	4 22	21 16	1 43	6 53	0 9	15 32	1 20	8 44	1 57	10 41	0 32	20 8	0 5	12 39	17 27	15 35	15 45	21 21	8 45	1 31
T 14	12 36	25 33	5 8	6 58	4 15	21 14	1 39	7 9	0 10	15 35	1 20	8 41	1 57	10 40	0 32	20 7	0 5	12 40	17 28	15 35	15 46	21 23	8 44	1 31
F 15	12 16	27 24	4 40	7 26	4 6	21 12	1 35	7 25	0 10	15 37	1 20	8 38	1 57	10 40	0 32	20 7	0 5	12 40	17 28	15 35	15 47	21 25	8 43	1 31
S 16	11 56	27 30	3 57	7 57	3 56	21 8	1 30	7 41	0 11	15 40	1 20	8 35	1 57	10 40	0 32	20 6	0 5	12 41	17 28	15 35	15 48	21 27	8 43	1 31
S 17	11 35	25 52	3 0	8 28	3 44	21 5	1 26	7 57	0 12	15 42	1 20	8 32	1 57	10 39	0 32	20 6	0 5	12 41	17 28	15 34	15 49	21 29	8 42	1 31
M18	11 15	22 44	1 53	9 1	3 30	21 0	1 22	8 12	0 13	15 45	1 20	8 30	1 57	10 39	0 32	20 5	0 5	12 42	17 28	15 34	15 50	21 31	8 42	1 31
T 19	10 54	18 25	0 42	9 33	3 14	20 55	1 18	8 28	0 13	15 48	1 20	8 27	1 57	10 39	0 32	20 5	0 5	12 42	17 29	15 34	15 51	21 33	8 41	1 31
W20	10 33	13 17	0s31	10 6	2 57	20 50	1 13	8 44	0 14	15 50	1 20	8 24	1 57	10 38	0 32	20 5	0 5	12 43	17 29	15 34	15 52	21 35	8 40	1 31
T 21	10 12	7 39	1 41	10 37	2 40	20 44	1 9	9 0	0 15	15 52	1 20	8 21	1 57	10 38	0 32	20 4	0 5	12 43	17 29	15 34	15 53	21 37	8 39	1 31
F 22	9 50	1 49	2 44	11 7	2 21	20 37	1 5	9 16	0 16	15 55	1 20	8 18	1 57	10 38	0 32	20 4	0 5	12 44	17 29	15 34	15 54	21 39	8 39	1 31
S 23	9 29	3s58	3 38	11 35	2 2	20 30	1 1	9 31	0 16	15 57	1 20	8 15	1 57	10 37	0 32	20 3	0 5	12 44	17 30	15 35	15 55	21 41	8 38	1 31
S 24	9 7	9 30	4 21	12 0	1 42	20 23	0 57	9 47	0 17	16 0	1 20	8 13	1 57	10 37	0 32	20 3	0 5	12 45	17 30	15 36	15 55	21 43	8 37	1 30
M25	8 45	14 36	4 52	12 22	1 23	20 14	0 52	10 2	0 18	16 2	1 20	8 10	1 57	10 36	0 32	20 3	0 5	12 45	17 30	15 37	15 56	21 45	8 37	1 30
T 26	8 23	19 6	5 10	12 41	1 4	20 6	0 48	10 18	0 19	16 4	1 20	8 7	1 57	10 36	0 32	20 2	0 5	12 46	17 30	15 38	15 57	21 47	8 36	1 30
W27	8 1	22 48	5 14	12 57	0 45	19 56	0 44	10 34	0 19	16 7	1 20	8 4	1 57	10 35	0 32	20 2	0 4	12 47	17 30	15 39	15 58	21 49	8 35	1 30
T 28	7 39	25 34	5 5	13 9	0 27	19 46	0 40	10 49	0 20	16 9	1 20	8 1	1 57	10 35	0 33	20 1	0 4	12 47	17 30	15 39	15 59	21 51	8 34	1 30
F 29	7 17	27 13	4 42	13 17	0 10	19 36	0 36	11 4	0 21	16 11	1 20	7 58	1 57	10 34	0 33	20 1	0 4	12 48	17 31	15 39	16 0	21 53	8 33	1 30
S 30	6 54	27 37	4 7	13 20	0n 6	19 25	0 32	11 20	0 21	16 13	1 20	7 55	1 57	10 34	0 33	20 1	0 4	12 48	17 31	15 39	16 1	21 55	8 32	1 30
S 31	6n32	26s39	3s20	13n20	0n21	19n13	0s28	11s35	0s22	16s15	1s20	7n53	1n57	10n33	0s33	20n 0	0s 4	12s49	17s31	15s38	16s 2	21s57	8n32	1n30

Julian Day Number = 2121584.5, Delta T = 17m53s
Ecliptic obliquity = 23°33'30, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°08'46, Lahiri = 11°15'46 Julian Calendar 1 Aug. 1096 == Greg. Calendar 7 Aug. 1096

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1096
geocentric

SEPTEMBER 1096 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 5 26	14♍27'05	20♉38	26♌36	3♌46	29♎53	19°R34	14♍46	28°R39	0♌50	8°R 9	17♒36	16♒13	17♏13	18°R 4	M 1
T 2	23 9 23	15°25'48	3♒36	27°35	4°56	0♏34	19♒28	14°54	28♈38	0°52	8♈ 8	17°38	16°10	17°20	18♈ 2	T 2
W 3	23 13 20	16°24'33	16°57	28°41	6° 5	1°15	19°22	15° 1	28°36	0°53	8° 7	17°R39	16° 7	17°27	18° 0	W 3
T 4	23 17 16	17°23'19	0♓42	29°54	7°15	1°57	19°15	15° 8	28°34	0°55	8° 6	17°38	16° 4	17°33	17°57	T 4
F 5	23 21 13	18°22'07	14°50	1♍13	8°24	2°38	19° 9	15°16	28°33	0°57	8° 5	17°36	16° 1	17°40	17°55	F 5
S 6	23 25 9	19°20'58	29°17	2°36	9°34	3°20	19° 4	15°23	28°31	0°58	8° 4	17°32	15°58	17°47	17°52	S 6
S 7	23 29 6	20°19'50	13♈56	4° 5	10°44	4° 1	18°58	15°31	28°29	1° 0	8° 2	17°28	15°54	17°54	17°50	S 7
M 8	23 33 2	21°18'45	28°41	5°37	11°54	4°43	18°52	15°38	28°27	1° 2	8° 1	17°23	15°51	18° 0	17°47	M 8
T 9	23 36 59	22°17'42	13♉23	7°12	13° 5	5°25	18°47	15°45	28°26	1° 3	8° 0	17°18	15°48	18° 7	17°45	T 9
W10	23 40 55	23°16'41	27°57	8°51	14°15	6° 6	18°42	15°53	28°24	1° 5	7°59	17°14	15°45	18°14	17°42	W10
T 11	23 44 52	24°15'43	12♊17	10°31	15°25	6°48	18°37	16° 0	28°22	1° 6	7°58	17°12	15°42	18°21	17°40	T 11
F 12	23 48 49	25°14'47	26°22	12°14	16°36	7°30	18°32	16° 8	28°20	1° 8	7°57	17°D12	15°39	18°27	17°37	F 12
S 13	23 52 45	26°13'54	10♋ 9	13°57	17°47	8°12	18°27	16°15	28°18	1° 9	7°56	17°12	15°35	18°34	17°35	S 13
S 14	23 56 42	27°13'03	23°39	15°42	18°58	8°55	18°22	16°22	28°16	1°11	7°55	17°14	15°32	18°41	17°32	S 14
M15	0 0 38	28°12'14	6♌54	17°28	20° 9	9°37	18°18	16°30	28°14	1°12	7°54	17°15	15°29	18°47	17°29	M15
T 16	0 4 35	29°11'27	19°55	19°14	21°20	10°19	18°14	16°37	28°12	1°13	7°52	17°R15	15°26	18°54	17°27	T 16
W17	0 8 31	0♎10'43	2♍44	21° 1	22°31	11° 1	18°10	16°44	28°10	1°15	7°51	17°14	15°23	19° 1	17°24	W17
T 18	0 12 28	1°10'01	15°21	22°47	23°43	11°44	18° 6	16°52	28° 8	1°16	7°50	17°11	15°19	19° 8	17°21	T 18
F 19	0 16 24	2° 9'21	27°48	24°34	24°54	12°26	18° 2	16°59	28° 6	1°17	7°49	17° 5	15°16	19°14	17°19	F 19
S 20	0 20 21	3° 8'43	10♎ 5	26°20	26° 6	13° 9	17°59	17° 6	28° 3	1°19	7°48	16°58	15°13	19°21	17°16	S 20
S 21	0 24 18	4° 8'07	22°13	28° 6	27°17	13°52	17°55	17°13	28° 1	1°20	7°47	16°49	15°10	19°28	17°13	S 21
M22	0 28 14	5° 7'34	4♏14	29°51	28°29	14°35	17°52	17°21	27°59	1°21	7°45	16°40	15° 7	19°34	17°10	M22
T 23	0 32 11	6° 7'02	16° 9	1♎36	29°41	15°17	17°49	17°28	27°57	1°22	7°44	16°30	15° 4	19°41	17° 8	T 23
W24	0 36 7	7° 6'32	28° 0	3°21	0♍53	16° 0	17°47	17°35	27°54	1°23	7°43	16°22	15° 0	19°48	17° 5	W24
T 25	0 40 4	8° 6'04	9♐51	5° 5	2° 5	16°43	17°44	17°42	27°52	1°24	7°42	16°16	14°57	19°55	17° 2	T 25
F 26	0 44 0	9° 5'38	21°45	6°48	3°17	17°26	17°42	17°49	27°50	1°25	7°41	16°12	14°54	20° 1	16°59	F 26
S 27	0 47 57	10° 5'14	3♑47	8°31	4°29	18° 9	17°39	17°56	27°48	1°27	7°40	16°10	14°51	20° 8	16°56	S 27
S 28	0 51 53	11° 4'51	16° 1	10°13	5°42	18°53	17°38	18° 3	27°45	1°28	7°39	16°D10	14°48	20°15	16°53	S 28
M29	0 55 50	12° 4'30	28°33	11°55	6°54	19°36	17°36	18°10	27°43	1°29	7°37	16°11	14°44	20°22	16°50	M29
T 30	0 59 47	13♎ 4'12	11♒28	13♎36	8♍ 7	20♏19	17♒34	18♍17	27♈41	1♌30	7♈36	16°R12	14♒41	20♏28	16♈48	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	6n 9	24s19	2s23	13n16	0n36	19n 1	0s24	11s50	0s23	16s17	1s20	7n50	1n57	10n33	0s33	20n 0	0s 4	12s49	17s31	15s38	16s 3	21s59	8n31	1n30
T 2	5 46	20 41	1 16	13 8	0 48	18 48	0 20	12 6	0 23	16 19	1 20	7 47	1 57	10 32	0 33	20 0	0 4	12 50	17 31	15 38	16 4	22 1	8 30	1 30
W 3	5 23	15 54	0 4	12 56	1 0	18 35	0 16	12 21	0 24	16 21	1 20	7 44	1 57	10 31	0 33	19 59	0 4	12 50	17 31	15 37	16 5	22 3	8 29	1 30
T 4	5 0	10 10	1n11	12 40	1 11	18 21	0 12	12 36	0 25	16 23	1 20	7 41	1 57	10 31	0 33	19 59	0 4	12 51	17 32	15 38	16 6	22 5	8 28	1 30
F 5	4 37	3 48	2 23	12 20	1 20	18 7	0 8	12 51	0 25	16 25	1 20	7 38	1 58	10 30	0 33	19 59	0 4	12 51	17 32	15 38	16 7	22 7	8 27	1 30
S 6	4 14	2n53	3 28	11 58	1 28	17 52	0 4	13 6	0 26	16 27	1 20	7 36	1 58	10 30	0 33	19 58	0 4	12 52	17 32	15 39	16 8	22 9	8 26	1 30
S 7	3 51	9 30	4 20	11 32	1 35	17 37	0 1	13 20	0 27	16 28	1 19	7 33	1 58	10 29	0 33	19 58	0 4	12 52	17 32	15 41	16 9	22 11	8 25	1 30
M 8	3 28	15 38	4 55	11 3	1 40	17 21	0n 3	13 35	0 27	16 30	1 19	7 30	1 58	10 28	0 33	19 57	0 4	12 53	17 32	15 42	16 10	22 13	8 24	1 30
T 9	3 4	20 51	5 10	10 32	1 45	17 5	0 7	13 50	0 28	16 32	1 19	7 27	1 58	10 28	0 33	19 57	0 4	12 54	17 32	15 44	16 11	22 15	8 23	1 30
W10	2 41	24 46	5 6	9 58	1 49	16 48	0 10	14 5	0 29	16 33	1 19	7 24	1 58	10 27	0 33	19 57	0 4	12 54	17 32	15 45	16 12	22 16	8 22	1 30
T 11	2 17	27 2	4 42	9 23	1 51	16 31	0 14	14 19	0 29	16 35	1 19	7 21	1 58	10 26	0 33	19 57	0 4	12 55	17 32	15 45	16 13	22 18	8 21	1 30
F 12	1 54	27 32	4 1	8 45	1 53	16 13	0 17	14 33	0 30	16 36	1 19	7 19	1 58	10 26	0 33	19 56	0 4	12 55	17 32	15 46	16 14	22 20	8 20	1 30
S 13	1 30	26 17	3 8	8 6	1 54	15 55	0 21	14 48	0 31	16 37	1 19	7 16	1 58	10 25	0 33	19 56	0 4	12 56	17 32	15 45	16 15	22 22	8 19	1 30
S 14	1 7	23 31	2 5	7 25	1 54	15 36	0 24	15 2	0 31	16 39	1 19	7 13	1 58	10 24	0 33	19 56	0 4	12 56	17 33	15 45	16 15	22 24	8 18	1 30
M15	0 43	19 32	0 56	6 43	1 53	15 17	0 28	15 16	0 32	16 40	1 19	7 10	1 58	10 23	0 33	19 55	0 4	12 57	17 33	15 44	16 16	22 26	8 17	1 30
T 16	0 19	14 41	0s14	6 0	1 52	14 57	0 31	15 30	0 33	16 41	1 19	7 7	1 58	10 23	0 33	19 55	0 4	12 57	17 33	15 44	16 17	22 28	8 16	1 30
W17	0s 4	9 16	1 23	5 16	1 50	14 37	0 34	15 44	0 33	16 42	1 19	7 5	1 58	10 22	0 33	19 55	0 4	12 58	17 33	15 45	16 18	22 29	8 15	1 30
T 18	0 28	3 34	2 26	4 31	1 48	14 16	0 37	15 58	0 34	16 44	1 18	7 2	1 58	10 21	0 33	19 54	0 4	12 58	17 33	15 46	16 19	22 31	8 14	1 30
F 19	0 52	2s11	3 21	3 46	1 45	13 55	0 40	16 12	0 34	16 45	1 18	6 59	1 59	10 20	0 33	19 54	0 4	12 58	17 33	15 47	16 20	22 33	8 13	1 30
S 20	1 15	7 46	4 6	3 1	1 41	13 34	0 43	16 25	0 35	16 46	1 18	6 56	1 59	10 20	0 33	19 54	0 4	12 59	17 33	15 50	16 21	22 35	8 11	1 30
S 21	1 39	13 0	4 39	2 15	1 37	13 12	0 46	16 39	0 36	16 46	1 18	6 54	1 59	10 19	0 33	19 54	0 4	12 59	17 33	15 52	16 22	22 37	8 10	1 30
M22	2 3	17 41	4 59	1 29	1 33	12 50	0 49	16 52	0 36	16 47	1 18	6 51	1 59	10 18	0 33	19 53	0 4	13 0	17 33	15 55	16 23	22 39	8 9	1 29
T 23	2 26	21 38	5 6	0 43	1 28	12 27	0 52	17 5	0 37	16 48	1 18	6 48	1 59	10 17	0 33	19 53	0 4	13 0	17 33	15 58	16 24	22 40	8 8	1 29
W24	2 50	24 41	5 0	0s 4	1 24	12 4	0 55	17 18	0 37	16 49	1 18	6 45	1 59	10 16	0 33	19 53	0 4	13 1	17 33	16 0	16 25	22 42	8 7	1 29
T 25	3 14	26 40	4 41	0 50	1 18	11 41	0 58	17 31	0 38	16 49	1 18	6 43	1 59	10 16	0 33	19 53	0 4	13 1	17 33	16 2	16 26	22 44	8 6	1 29
F 26	3 37	27 27	4 10	1 36	1 13	11 17	1 0	17 44	0 39	16 50	1 17	6 40	1 59	10 15	0 33	19 52	0 4	13 2	17 33	16 3	16 27	22 46	8 5	1 29
S 27	4 1	26 57	3 27	2 22	1 7	10 53	1 3	17 57	0 39	16 51	1 17	6 37	1 59	10 14	0 33	19 52	0 4	13 2	17 33	16 4	16 28	22 48	8 3	1 29
S 28	4 24	25 9	2 34	3 8	1 1	10 29	1 5	18 10	0 40	16 51	1 17	6 35	1 59	10 13	0 33	19 52	0 4	13 3	17 33	16 4	16 29	22 49	8 2	1 29
M29	4 48	22 4	1 33	3 53	0 55	10 4	1 8	18 22	0 40	16 51	1 17	6 32	2 0	10 12	0 33	19 52	0 4	13 3	17 33	16 4	16 30	22 51	8 1	1 29
T 30	5s11	17s50	0s25	4s38	0n49	9n39	1n10	18s34	0s41	16s52	1s17	6n29	2n 0	10n11	0s33	19n52	0s 4	13s 3	17s33	16s 4	16s30	22s53	8n 0	1n29

Julian Day Number = 2121615.5, Delta T = 17m53s
Ecliptic obliquity = 23°33'30, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°08'50, Lahiri = 11°15'51 Julian Calendar 1 Sept. 1096 == Greg. Calendar 7 Sept. 1096

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1096
geocentric

OCTOBER 1096 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 3 43	14♎ 3'54	24♒48	15♎16	9♍19	21♏ 3	17°R33	18♍24	27°R38	1♌30	7°R35	16°R12	14♒38	20♏35	16°R45	W 1
T 2	1 7 40	15° 3'39	8♓37	16°55	10°32	21°46	17♒32	18°31	27♈36	1°31	7♈34	16♒10	14°35	20°42	16♈42	T 2
F 3	1 11 36	16° 3'25	22°55	18°35	11°45	22°30	17°31	18°38	27°33	1°32	7°33	16° 5	14°32	20°48	16°39	F 3
S 4	1 15 33	17° 3'13	7♈37	20°13	12°57	23°13	17°30	18°45	27°31	1°33	7°32	15°58	14°29	20°55	16°36	S 4
S 5	1 19 29	18° 3'03	22°38	21°51	14°10	23°57	17°30	18°52	27°28	1°34	7°31	15°49	14°25	21° 2	16°33	S 5
M 6	1 23 26	19° 2'55	7♉47	23°28	15°23	24°41	17°29	18°59	27°26	1°35	7°29	15°39	14°22	21° 9	16°30	M 6
T 7	1 27 22	20° 2'50	22°54	25° 5	16°36	25°25	17°D29	19° 5	27°24	1°35	7°28	15°30	14°19	21°15	16°28	T 7
W 8	1 31 19	21° 2'46	7♊50	26°41	17°50	26° 9	17°29	19°12	27°21	1°36	7°27	15°22	14°16	21°22	16°25	W 8
T 9	1 35 15	22° 2'45	22°27	28°17	19° 3	26°52	17°29	19°19	27°19	1°37	7°26	15°16	14°13	21°29	16°22	T 9
F 10	1 39 12	23° 2'46	6♋41	29°52	20°16	27°36	17°30	19°25	27°16	1°37	7°25	15°13	14°10	21°36	16°19	F 10
S 11	1 43 9	24° 2'49	20°29	1♏27	21°29	28°21	17°31	19°32	27°14	1°38	7°24	15°D12	14° 6	21°42	16°16	S 11
S 12	1 47 5	25° 2'55	3♌54	3° 1	22°43	29° 5	17°31	19°38	27°11	1°39	7°23	15°12	14° 3	21°49	16°13	S 12
M13	1 51 2	26° 3'02	16°59	4°35	23°56	29°49	17°32	19°45	27° 9	1°39	7°22	15°R12	14° 0	21°56	16°10	M13
T 14	1 54 58	27° 3'12	29°45	6° 9	25°10	0♐33	17°34	19°51	27° 6	1°40	7°21	15°11	13°57	22° 2	16° 8	T 14
W15	1 58 55	28° 3'23	12♍18	7°42	26°24	1°18	17°35	19°58	27° 4	1°40	7°19	15° 8	13°54	22° 9	16° 5	W15
T 16	2 2 51	29° 3'37	24°39	9°14	27°37	2° 2	17°37	20° 4	27° 1	1°41	7°18	15° 2	13°50	22°16	16° 2	T 16
F 17	2 6 48	0♏ 3'52	6♎52	10°47	28°51	2°47	17°39	20°10	26°59	1°41	7°17	14°53	13°47	22°23	15°59	F 17
S 18	2 10 44	1° 4'10	18°58	12°19	0♎ 5	3°31	17°41	20°17	26°56	1°41	7°16	14°42	13°44	22°29	15°57	S 18
S 19	2 14 41	2° 4'29	0♏58	13°50	1°19	4°16	17°43	20°23	26°54	1°42	7°15	14°28	13°41	22°36	15°54	S 19
M20	2 18 38	3° 4'51	12°54	15°21	2°33	5° 0	17°46	20°29	26°51	1°42	7°14	14°13	13°38	22°43	15°51	M20
T 21	2 22 34	4° 5'14	24°46	16°52	3°47	5°45	17°48	20°35	26°49	1°42	7°13	13°59	13°35	22°49	15°48	T 21
W22	2 26 31	5° 5'38	6♐37	18°22	5° 1	6°30	17°51	20°41	26°47	1°43	7°12	13°46	13°31	22°56	15°46	W22
T 23	2 30 27	6° 6'04	18°28	19°52	6°15	7°15	17°54	20°47	26°44	1°43	7°11	13°35	13°28	23° 3	15°43	T 23
F 24	2 34 24	7° 6'32	0♑22	21°22	7°29	8° 0	17°58	20°53	26°42	1°43	7°10	13°28	13°25	23°10	15°40	F 24
S 25	2 38 20	8° 7'01	12°22	22°51	8°43	8°45	18° 1	20°59	26°39	1°43	7° 9	13°23	13°22	23°16	15°38	S 25
S 26	2 42 17	9° 7'32	24°34	24°20	9°58	9°30	18° 5	21° 5	26°37	1°43	7° 8	13°21	13°19	23°23	15°35	S 26
M27	2 46 13	10° 8'04	7♒ 0	25°48	11°12	10°15	18° 9	21°10	26°34	1°43	7° 7	13°20	13°16	23°30	15°33	M27
T 28	2 50 10	11° 8'37	19°48	27°16	12°26	11° 0	18°13	21°16	26°32	1°R43	7° 6	13°20	13°12	23°37	15°30	T 28
W29	2 54 7	12° 9'11	3♓ 1	28°43	13°40	11°45	18°17	21°22	26°30	1°43	7° 6	13°19	13° 9	23°43	15°28	W29
T 30	2 58 3	13° 9'47	16°42	0♐10	14°55	12°31	18°21	21°27	26°27	1°43	7° 5	13°17	13° 6	23°50	15°25	T 30
F 31	3 2 0	14♏10'24	0♈54	1♐36	16♎ 9	13♐16	18♒26	21♍33	26♈25	1♌43	7♈ 4	13♒11	13♒ 3	23♏57	15♈23	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s34	12s36	0n46	5s23	0n43	9n14	1n12	18s46	0s41	16s52	1s17	6n27	2n 0	10n10	0s33	19n51	0s 4	13s 4	17s33	16s 4	16s31	22s55	7n59	1n29
T 2	5 58	6 34	1 57	6 7	0 36	8 48	1 15	18 58	0 42	16 52	1 17	6 24	2 0	10 10	0 33	19 51	0 4	13 4	17 33	16 4	16 32	22 56	7 58	1 29
F 3	6 21	0 2	3 3	6 51	0 30	8 22	1 17	19 10	0 42	16 52	1 16	6 21	2 0	10 9	0 33	19 51	0 4	13 5	17 33	16 6	16 33	22 58	7 56	1 29
S 4	6 44	6n41	3 58	7 35	0 23	7 56	1 19	19 22	0 43	16 52	1 16	6 19	2 0	10 8	0 33	19 51	0 4	13 5	17 32	16 8	16 34	23 0	7 55	1 29
S 5	7 7	13 9	4 39	8 18	0 17	7 30	1 21	19 33	0 44	16 53	1 16	6 16	2 0	10 7	0 33	19 51	0 4	13 5	17 32	16 10	16 35	23 2	7 54	1 29
M 6	7 30	18 54	5 0	9 0	0 10	7 3	1 22	19 45	0 44	16 52	1 16	6 14	2 1	10 6	0 33	19 50	0 4	13 6	17 32	16 13	16 36	23 3	7 53	1 29
T 7	7 52	23 26	5 0	9 42	0 3	6 36	1 24	19 56	0 45	16 52	1 16	6 11	2 1	10 5	0 33	19 50	0 4	13 6	17 32	16 16	16 37	23 5	7 52	1 28
W 8	8 15	26 20	4 40	10 24	0s 3	6 9	1 26	20 7	0 45	16 52	1 16	6 9	2 1	10 4	0 33	19 50	0 4	13 6	17 32	16 18	16 38	23 7	7 51	1 28
T 9	8 38	27 22	4 2	11 4	0 10	5 42	1 28	20 18	0 46	16 52	1 15	6 6	2 1	10 3	0 33	19 50	0 4	13 7	17 32	16 20	16 39	23 9	7 49	1 28
F 10	9 0	26 33	3 10	11 45	0 17	5 14	1 29	20 28	0 46	16 52	1 15	6 4	2 1	10 3	0 33	19 50	0 4	13 7	17 32	16 21	16 40	23 10	7 48	1 28
S 11	9 22	24 5	2 7	12 24	0 23	4 47	1 31	20 39	0 47	16 51	1 15	6 1	2 1	10 2	0 33	19 50	0 4	13 7	17 32	16 21	16 41	23 12	7 47	1 28
S 12	9 45	20 20	1 0	13 3	0 30	4 19	1 32	20 49	0 47	16 51	1 15	5 59	2 1	10 1	0 33	19 50	0 4	13 8	17 32	16 21	16 42	23 14	7 46	1 28
M13	10 7	15 40	0s 9	13 41	0 37	3 51	1 33	20 59	0 48	16 50	1 15	5 56	2 2	10 0	0 33	19 49	0 4	13 8	17 32	16 21	16 43	23 15	7 45	1 28
T 14	10 28	10 25	1 16	14 19	0 43	3 22	1 35	21 9	0 48	16 50	1 15	5 54	2 2	9 59	0 33	19 49	0 4	13 8	17 31	16 22	16 43	23 17	7 43	1 28
W15	10 50	4 51	2 18	14 56	0 50	2 54	1 36	21 19	0 49	16 49	1 14	5 52	2 2	9 58	0 33	19 49	0 4	13 9	17 31	16 23	16 44	23 19	7 42	1 28
T 16	11 12	0s49	3 13	15 32	0 56	2 26	1 37	21 28	0 49	16 49	1 14	5 49	2 2	9 57	0 33	19 49	0 4	13 9	17 31	16 24	16 45	23 20	7 41	1 28
F 17	11 33	6 22	3 57	16 7	1 2	1 57	1 38	21 38	0 50	16 48	1 14	5 47	2 2	9 56	0 33	19 49	0 4	13 9	17 31	16 27	16 46	23 22	7 40	1 28
S 18	11 54	11 38	4 30	16 42	1 9	1 28	1 39	21 47	0 50	16 47	1 14	5 45	2 2	9 55	0 33	19 49	0 4	13 9	17 31	16 30	16 47	23 24	7 39	1 27
S 19	12 15	16 25	4 51	17 15	1 15	1 0	1 39	21 56	0 50	16 46	1 14	5 42	2 3	9 55	0 33	19 49	0 4	13 10	17 31	16 34	16 48	23 25	7 38	1 27
M20	12 36	20 32	4 59	17 48	1 21	0 31	1 40	22 4	0 51	16 45	1 14	5 40	2 3	9 54	0 33	19 49	0 4	13 10	17 31	16 39	16 49	23 27	7 36	1 27
T 21	12 57	23 48	4 54	18 20	1 26	0 2	1 41	22 13	0 51	16 44	1 13	5 38	2 3	9 53	0 33	19 49	0 4	13 10	17 30	16 43	16 50	23 29	7 35	1 27
W22	13 17	26 4	4 37	18 51	1 32	0s27	1 41	22 21	0 52	16 43	1 13	5 36	2 3	9 52	0 33	19 49	0 4	13 10	17 30	16 47	16 51	23 30	7 34	1 27
T 23	13 37	27 9	4 7	19 21	1 38	0 56	1 42	22 29	0 52	16 42	1 13	5 33	2 3	9 51	0 33	19 49	0 4	13 11	17 30	16 50	16 52	23 32	7 33	1 27
F 24	13 57	26 59	3 26	19 51	1 43	1 25	1 42	22 37	0 53	16 41	1 13	5 31	2 4	9 50	0 33	19 49	0 4	13 11	17 30	16 52	16 53	23 33	7 32	1 27
S 25	14 17	25 34	2 36	20 19	1 48	1 54	1 42	22 45	0 53	16 40	1 13	5 29	2 4	9 49	0 33	19 49	0 4	13 11	17 30	16 53	16 54	23 35	7 31	1 27
S 26	14 36	22 55	1 37	20 46	1 53	2 23	1 43	22 52	0 53	16 38	1 13	5 27	2 4	9 48	0 33	19 49	0 4	13 11	17 29	16 54	16 54	23 37	7 30	1 27
M27	14 56	19 9	0 33	21 12	1 58	2 52	1 43	22 59	0 54	16 37	1 12	5 25	2 4	9 48	0 33	19 49	0 4	13 11	17 29	16 54	16 55	23 38	7 29	1 27
T 28	15 15	14 25	0n34	21 37	2 2	3 21	1 43	23 6	0 54	16 36	1 12	5 23	2 4	9 47	0 33	19 49	0 4	13 12	17 29	16 54	16 56	23 40	7 28	1 26
W29	15 34	8 52	1 42	22 1	2 6	3 50	1 43	23 13	0 55	16 34	1 12	5 21	2 4	9 46	0 33	19 49	0 4	13 12	17 29	16 54	16 57	23 41	7 26	1 26
T 30	15 52	2 43	2 46	22 24	2 10	4 19	1 43	23 19	0 55	16 32	1 12	5 19	2 5	9 45	0 33	19 49	0 4	13 12	17 29	16 55	16 58	23 43	7 25	1 26
F 31	16s10	3n46	3n43	22s46	2s14	4s48	1n43	23s25	0s55	16s31	1s12	5n17	2n 5	9n44	0s33	19n49	0s 4	13s12	17s28	16s57	16s59	23s44	7n24	1n26

Julian Day Number = 2121645.5, Delta T = 17m53s
Ecliptic obliquity = 23°33'30, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°08'54, Lahiri = 11°15'55 Julian Calendar 1 Oct. 1096 == Greg. Calendar 7 Oct. 1096

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1096
geocentric

NOVEMBER 1096 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 5 56	15♏11'02	15♈35	3♐ 2	17♎24	14♐ 1	18♒31	21♍38	26°R23	1°R43	7°R 3	13°R 3	13♒ 0	24♏ 3	15°R20	S 1
S 2	3 9 53	16°11'41	0♉40	4°27	18°38	14°47	18°36	21°43	26♈20	1♌43	7♈ 2	12♒53	12°56	24°10	15♈18	S 2
M 3	3 13 49	17°12'22	15°59	5°51	19°53	15°32	18°41	21°49	26°18	1°43	7° 1	12°41	12°53	24°17	15°16	M 3
T 4	3 17 46	18°13'04	1♊22	7°14	21° 7	16°18	18°46	21°54	26°16	1°43	7° 0	12°30	12°50	24°24	15°13	T 4
W 5	3 21 42	19°13'48	16°35	8°36	22°22	17° 3	18°52	21°59	26°14	1°42	6°59	12°20	12°47	24°30	15°11	W 5
T 6	3 25 39	20°14'33	1♋29	9°56	23°37	17°49	18°57	22° 4	26°11	1°42	6°59	12°13	12°44	24°37	15° 9	T 6
F 7	3 29 36	21°15'20	15°58	11°16	24°51	18°35	19° 3	22° 9	26° 9	1°42	6°58	12° 8	12°41	24°44	15° 7	F 7
S 8	3 33 32	22°16'08	29°58	12°33	26° 6	19°20	19° 9	22°14	26° 7	1°41	6°57	12° 6	12°37	24°50	15° 4	S 8
S 9	3 37 29	23°16'58	13♌29	13°49	27°21	20° 6	19°15	22°19	26° 5	1°41	6°56	12°D 6	12°34	24°57	15° 2	S 9
M10	3 41 25	24°17'49	26°35	15° 3	28°36	20°52	19°22	22°23	26° 3	1°41	6°56	12°R 6	12°31	25° 4	15° 0	M10
T 11	3 45 22	25°18'42	9♍18	16°15	29°51	21°38	19°28	22°28	26° 1	1°40	6°55	12° 5	12°28	25°11	14°58	T 11
W12	3 49 18	26°19'36	21°45	17°23	1♏ 5	22°24	19°35	22°33	25°59	1°40	6°54	12° 2	12°25	25°17	14°56	W12
T 13	3 53 15	27°20'31	3♎58	18°29	2°20	23°10	19°42	22°37	25°57	1°39	6°54	11°57	12°22	25°24	14°54	T 13
F 14	3 57 11	28°21'28	16° 2	19°31	3°35	23°56	19°49	22°42	25°55	1°39	6°53	11°49	12°18	25°31	14°52	F 14
S 15	4 1 8	29°22'26	27°59	20°28	4°50	24°42	19°56	22°46	25°53	1°38	6°52	11°38	12°15	25°38	14°50	S 15
S 16	4 5 5	0♐23'25	9♏53	21°21	6° 5	25°28	20° 3	22°50	25°51	1°38	6°52	11°25	12°12	25°44	14°49	S 16
M17	4 9 1	1°24'26	21°45	22° 8	7°20	26°14	20°11	22°54	25°49	1°37	6°51	11°11	12° 9	25°51	14°47	M17
T 18	4 12 58	2°25'27	3♐37	22°50	8°35	27° 1	20°19	22°58	25°47	1°36	6°50	10°57	12° 6	25°58	14°45	T 18
W19	4 16 54	3°26'30	15°30	23°24	9°50	27°47	20°26	23° 2	25°45	1°36	6°50	10°44	12° 2	26° 4	14°43	W19
T 20	4 20 51	4°27'33	27°25	23°50	11° 5	28°33	20°34	23° 6	25°43	1°35	6°49	10°34	11°59	26°11	14°42	T 20
F 21	4 24 47	5°28'37	9♑24	24° 8	12°20	29°20	20°43	23°10	25°42	1°34	6°49	10°27	11°56	26°18	14°40	F 21
S 22	4 28 44	6°29'41	21°30	24°R16	13°35	0♑ 6	20°51	23°14	25°40	1°33	6°48	10°22	11°53	26°25	14°39	S 22
S 23	4 32 41	7°30'46	3♒45	24°14	14°51	0°52	20°59	23°17	25°38	1°32	6°48	10°20	11°50	26°31	14°37	S 23
M24	4 36 37	8°31'52	16°13	24° 1	16° 6	1°39	21° 8	23°21	25°37	1°32	6°47	10°D20	11°47	26°38	14°36	M24
T 25	4 40 34	9°32'58	28°59	23°36	17°21	2°25	21°17	23°24	25°35	1°31	6°47	10°21	11°43	26°45	14°34	T 25
W26	4 44 30	10°34'05	12♓ 5	23° 0	18°36	3°12	21°25	23°28	25°34	1°30	6°46	10°R21	11°40	26°51	14°33	W26
T 27	4 48 27	11°35'11	25°37	22°12	19°51	3°59	21°34	23°31	25°32	1°29	6°46	10°20	11°37	26°58	14°32	T 27
F 28	4 52 23	12°36'18	9♈36	21°14	21° 6	4°45	21°43	23°34	25°31	1°28	6°46	10°17	11°34	27° 5	14°31	F 28
S 29	4 56 20	13°37'26	24° 2	20° 7	22°21	5°32	21°53	23°37	25°29	1°27	6°45	10°12	11°31	27°12	14°29	S 29
S 30	5 0 16	14♐38'33	8♉52	18♐52	23♏36	6♑19	22♒ 2	23♍40	25♈28	1♌26	6♈45	10♒ 4	11♒27	27♏18	14♈28	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	16s28	10n16	4n27	23s 6	2s17	5s17	1n42	23s31	0s56	16s29	1s12	5n15	2n 5	9n43	0s33	19n49	0s 4	13s12	17s28	16s59	17s 0	23s46	7n23	1n26	S 1
S 2	16 46	16 20	4 53	23 25	2 20	5 46	1 42	23 37	0 56	16 28	1 11	5 13	2 5	9 43	0 32	19 49	0 4	13 12	17 28	17 2	17 1	23 48	7 22	1 26	S 2
M 3	17 3	21 28	4 59	23 43	2 22	6 15	1 42	23 42	0 57	16 26	1 11	5 11	2 6	9 42	0 32	19 49	0 4	13 12	17 28	17 5	17 2	23 49	7 21	1 26	M 3
T 4	17 20	25 10	4 44	24 0	2 24	6 43	1 41	23 48	0 57	16 24	1 11	5 9	2 6	9 41	0 32	19 49	0 4	13 12	17 27	17 8	17 3	23 51	7 20	1 26	T 4
W 5	17 37	27 0	4 9	24 15	2 26	7 11	1 41	23 53	0 57	16 22	1 11	5 7	2 6	9 40	0 32	19 49	0 4	13 13	17 27	17 11	17 3	23 52	7 19	1 25	W 5
T 6	17 54	26 50	3 17	24 29	2 27	7 40	1 40	23 57	0 58	16 20	1 11	5 6	2 6	9 39	0 32	19 49	0 4	13 13	17 27	17 13	17 4	23 54	7 18	1 25	T 6
F 7	18 10	24 48	2 13	24 41	2 28	8 8	1 39	24 2	0 58	16 18	1 11	5 4	2 6	9 39	0 32	19 49	0 4	13 13	17 27	17 14	17 5	23 55	7 17	1 25	F 7
S 8	18 26	21 18	1 4	24 52	2 28	8 36	1 39	24 6	0 58	16 16	1 10	5 2	2 7	9 38	0 32	19 49	0 4	13 13	17 26	17 15	17 6	23 57	7 16	1 25	S 8
S 9	18 41	16 44	0s 7	25 1	2 28	9 4	1 38	24 10	0 59	16 14	1 10	5 0	2 7	9 37	0 32	19 49	0 4	13 13	17 26	17 15	17 7	23 58	7 15	1 25	S 9
M10	18 56	11 32	1 16	25 9	2 27	9 31	1 37	24 13	0 59	16 12	1 10	4 59	2 7	9 36	0 32	19 49	0 4	13 13	17 26	17 15	17 8	24 0	7 14	1 25	M10
T 11	19 11	5 59	2 19	25 15	2 25	9 59	1 36	24 17	0 59	16 10	1 10	4 57	2 7	9 36	0 32	19 50	0 4	13 13	17 26	17 15	17 9	24 1	7 14	1 25	T 11
W12	19 26	0 20	3 13	25 19	2 22	10 26	1 35	24 20	1 0	16 7	1 10	4 55	2 8	9 35	0 32	19 50	0 4	13 13	17 25	17 16	17 10	24 3	7 13	1 25	W12
T 13	19 40	5s13	3 58	25 22	2 19	10 53	1 34	24 23	1 0	16 5	1 10	4 54	2 8	9 34	0 32	19 50	0 4	13 13	17 25	17 18	17 11	24 4	7 12	1 24	T 13
F 14	19 54	10 30	4 31	25 23	2 15	11 19	1 33	24 25	1 0	16 3	1 10	4 52	2 8	9 33	0 32	19 50	0 4	13 13	17 25	17 20	17 12	24 6	7 11	1 24	F 14
S 15	20 7	15 21	4 52	25 22	2 10	11 46	1 31	24 28	1 1	16 0	1 9	4 51	2 8	9 33	0 32	19 50	0 4	13 13	17 24	17 23	17 12	24 7	7 10	1 24	S 15
S 16	20 20	19 36	5 1	25 19	2 3	12 12	1 30	24 30	1 1	15 58	1 9	4 49	2 9	9 32	0 32	19 50	0 4	13 13	17 24	17 27	17 13	24 9	7 9	1 24	S 16
M17	20 33	23 3	4 56	25 15	1 56	12 38	1 29	24 31	1 1	15 55	1 9	4 48	2 9	9 31	0 32	19 50	0 4	13 13	17 24	17 30	17 14	24 10	7 8	1 24	M17
T 18	20 45	25 32	4 38	25 9	1 47	13 3	1 27	24 33	1 1	15 53	1 9	4 47	2 9	9 31	0 32	19 50	0 4	13 13	17 23	17 34	17 15	24 11	7 8	1 24	T 18
W19	20 57	26 52	4 8	25 1	1 38	13 29	1 26	24 34	1 2	15 50	1 9	4 45	2 9	9 30	0 32	19 51	0 4	13 13	17 23	17 38	17 16	24 13	7 7	1 24	W19
T 20	21 8	26 59	3 27	24 51	1 27	13 54	1 24	24 35	1 2	15 47	1 9	4 44	2 10	9 30	0 32	19 51	0 4	13 13	17 23	17 40	17 17	24 14	7 6	1 24	T 20
F 21	21 19	25 50	2 37	24 40	1 14	14 18	1 23	24 36	1 2	15 45	1 8	4 43	2 10	9 29	0 32	19 51	0 4	13 12	17 22	17 42	17 18	24 16	7 5	1 23	F 21
S 22	21 30	23 27	1 39	24 26	1 0	14 42	1 21	24 36	1 2	15 42	1 8	4 41	2 10	9 28	0 32	19 51	0 4	13 12	17 22	17 44	17 19	24 17	7 5	1 23	S 22
S 23	21 40	19 59	0 35	24 11	0 45	15 6	1 19	24 36	1 3	15 39	1 8	4 40	2 10	9 28	0 32	19 51	0 4	13 12	17 22	17 44	17 20	24 19	7 4	1 23	S 23
M24	21 50	15 33	0n31	23 54	0 29	15 30	1 18	24 36	1 3	15 36	1 8	4 39	2 11	9 27	0 32	19 52	0 4	13 12	17 22	17 44	17 20	24 20	7 3	1 23	M24
T 25	22 0	10 21	1 38	23 35	0 11	15 53	1 16	24 35	1 3	15 33	1 8	4 38	2 11	9 27	0 32	19 52	0 4	13 12	17 21	17 44	17 21	24 21	7 3	1 23	T 25
W26	22 9	4 35	2 41	23 14	0n 8	16 16	1 14	24 34	1 3	15 30	1 8	4 37	2 11	9 26	0 32	19 52	0 4	13 12	17 21	17 44	17 22	24 23	7 2	1 23	W26
T 27	22 17	1n34	3 38	22 52	0 28	16 38	1 12	24 33	1 4	15 27	1 8	4 36	2 11	9 26	0 32	19 52	0 4	13 12	17 21	17 44	17 23	24 24	7 1	1 23	T 27
F 28	22 25	7 51	4 23	22 28	0 48	17 0	1 10	24 32	1 4	15 24	1 8	4 35	2 12	9 25	0 32	19 52	0 4	13 12	17 20	17 45	17 24	24 25	7 1	1 22	F 28
S 29	22 33	13 54	4 53	22 3	1 8	17 21	1 8	24 30	1 4	15 21	1 7	4 34	2 12	9 25	0 32	19 53	0 4	13 11	17 20	17 47	17 25	24 27	7 0	1 22	S 29
S 30	22s40	19n20	5n 5	21s38	1n28	17s42	1n 6	24s28	1s 4	15s18	1s 7	4n33	2n12	9n24	0s32	19n53	0s 4	13s11	17s19	17s49	17s26	24s28	7n 0	1n22	S 30

Julian Day Number = 2121676.5, Delta T = 17m53s
Ecliptic obliquity = 23°33'29, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°08'58, Lahiri = 11°15'59 Julian Calendar 1 Nov. 1096 == Greg. Calendar 7 Nov. 1096

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1096
geocentric

DECEMBER 1096 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 4 13	15♐39'41	24♉ 1	17°R32	24♏52	7♑ 5	22♒12	23♍43	25°R26	1°R25	6°R45	9°R56	11♒24	27♏25	14°R27	M 1
T 2	5 8 10	16°40'50	9♊18	16♐ 9	26° 7	7°52	22°21	23°46	25♈25	1♌24	6♈44	9♒47	11°21	27°32	14♈26	T 2
W 3	5 12 6	17°41'58	24°32	14°47	27°22	8°39	22°31	23°49	25°24	1°23	6°44	9°40	11°18	27°38	14°25	W 3
T 4	5 16 3	18°43'08	9♋33	13°28	28°37	9°26	22°41	23°51	25°23	1°22	6°44	9°34	11°15	27°45	14°25	T 4
F 5	5 19 59	19°44'17	24°11	12°14	29°52	10°13	22°51	23°54	25°21	1°20	6°44	9°31	11°12	27°52	14°24	F 5
S 6	5 23 56	20°45'27	8♌23	11° 8	1♐ 8	10°59	23° 1	23°56	25°20	1°19	6°43	9°D30	11° 8	27°59	14°23	S 6
S 7	5 27 52	21°46'38	22° 5	10°11	2°23	11°46	23°11	23°58	25°19	1°18	6°43	9°30	11° 5	28° 5	14°22	S 7
M 8	5 31 49	22°47'49	5♍20	9°24	3°38	12°33	23°22	24° 0	25°18	1°17	6°43	9°31	11° 2	28°12	14°22	M 8
T 9	5 35 45	23°49'00	18° 9	8°47	4°53	13°20	23°32	24° 3	25°17	1°16	6°43	9°R33	10°59	28°19	14°21	T 9
W10	5 39 42	24°50'12	0♎38	8°21	6° 9	14° 7	23°43	24° 5	25°16	1°14	6°43	9°33	10°56	28°25	14°20	W10
T 11	5 43 39	25°51'24	12°51	8° 5	7°24	14°54	23°53	24° 6	25°15	1°13	6°43	9°31	10°53	28°32	14°20	T 11
F 12	5 47 35	26°52'36	24°53	7°D59	8°39	15°41	24° 4	24° 8	25°15	1°12	6°43	9°27	10°49	28°39	14°20	F 12
S 13	5 51 32	27°53'49	6♏47	8° 3	9°55	16°28	24°15	24°10	25°14	1°10	6°42	9°21	10°46	28°46	14°19	S 13
S 14	5 55 28	28°55'02	18°38	8°15	11°10	17°16	24°26	24°11	25°13	1° 9	6°42	9°14	10°43	28°52	14°19	S 14
M15	5 59 25	29°56'15	0♐29	8°35	12°25	18° 3	24°37	24°13	25°12	1° 8	6°D42	9° 6	10°40	28°59	14°19	M15
T 16	6 3 21	0♑57'29	12°23	9° 2	13°40	18°50	24°49	24°14	25°12	1° 6	6°42	8°59	10°37	29° 6	14°18	T 16
W17	6 7 18	1°58'42	24°20	9°35	14°56	19°37	25° 0	24°15	25°11	1° 5	6°43	8°52	10°34	29°13	14°18	W17
T 18	6 11 15	2°59'55	6♑23	10°14	16°11	20°24	25°11	24°16	25°11	1° 3	6°43	8°46	10°30	29°19	14°18	T 18
F 19	6 15 11	4° 1'08	18°33	10°59	17°26	21°12	25°23	24°17	25°10	1° 2	6°43	8°42	10°27	29°26	14°D18	F 19
S 20	6 19 8	5° 2'20	0♒51	11°48	18°42	21°59	25°35	24°18	25°10	1° 0	6°43	8°40	10°24	29°33	14°18	S 20
S 21	6 23 4	6° 3'32	13°19	12°41	19°57	22°46	25°46	24°19	25° 9	0°59	6°43	8°D40	10°21	29°39	14°18	S 21
M22	6 27 1	7° 4'44	25°59	13°38	21°12	23°33	25°58	24°20	25° 9	0°57	6°43	8°41	10°18	29°46	14°19	M22
T 23	6 30 57	8° 5'54	8♓54	14°38	22°27	24°21	26°10	24°20	25° 9	0°56	6°43	8°43	10°14	29°53	14°19	T 23
W24	6 34 54	9° 7'05	22° 4	15°41	23°43	25° 8	26°22	24°21	25° 9	0°54	6°43	8°44	10°11	29°59	14°19	W24
T 25	6 38 50	10° 8'14	5♈34	16°47	24°58	25°55	26°34	24°21	25° 8	0°53	6°44	8°R45	10° 8	0♐ 6	14°19	T 25
F 26	6 42 47	11° 9'23	19°23	17°55	26°13	26°43	26°46	24°21	25° 8	0°51	6°44	8°45	10° 5	0°13	14°20	F 26
S 27	6 46 44	12°10'31	3♉33	19° 5	27°29	27°30	26°59	24°22	25° 8	0°50	6°44	8°44	10° 2	0°20	14°20	S 27
S 28	6 50 40	13°11'38	18° 3	20°17	28°44	28°17	27°11	24°R22	25°D 8	0°48	6°44	8°41	9°59	0°26	14°21	S 28
M29	6 54 37	14°12'44	2♊47	21°32	29°59	29° 5	27°23	24°22	25° 8	0°46	6°45	8°38	9°55	0°33	14°21	M29
T 30	6 58 33	15°13'50	17°41	22°47	1♑14	29°52	27°36	24°21	25° 8	0°45	6°45	8°34	9°52	0°40	14°22	T 30
W31	7 2 30	16♑14'54	2♋36	24♐ 4	2♑30	0♒40	27♒48	24♍21	25♈ 9	0♌43	6♈45	8♒31	9♒49	0♐47	14♈23	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s47	23n39	4n56	21s12	1n47	18s 2	1n 4	24s26	1s 4	15s14	1s 7	4n32	2n12	9n24	0s32	19n53	0s 4	13s11	17s19	17s51	17s27	24s30	6n59	1n22
T 2	22 53	26 20	4 26	20 47	2 4	18 22	1 2	24 24	1 4	15 11	1 7	4 31	2 13	9 23	0 32	19 53	0 4	13 11	17 19	17 53	17 28	24 31	6 59	1 22
W 3	22 59	27 4	3 37	20 22	2 20	18 42	1 0	24 21	1 5	15 8	1 7	4 30	2 13	9 23	0 32	19 54	0 4	13 11	17 18	17 55	17 28	24 32	6 58	1 22
T 4	23 5	25 46	2 34	19 59	2 33	19 1	0 58	24 18	1 5	15 4	1 7	4 29	2 13	9 22	0 32	19 54	0 4	13 10	17 18	17 57	17 29	24 34	6 58	1 22
F 5	23 10	22 43	1 21	19 39	2 45	19 19	0 55	24 15	1 5	15 1	1 7	4 29	2 14	9 22	0 32	19 54	0 4	13 10	17 18	17 58	17 30	24 35	6 57	1 21
S 6	23 14	18 21	0 6	19 22	2 53	19 37	0 53	24 11	1 5	14 58	1 7	4 28	2 14	9 21	0 32	19 54	0 4	13 10	17 17	17 58	17 31	24 36	6 57	1 21
S 7	23 18	13 9	1s 7	19 7	3 0	19 54	0 51	24 7	1 5	14 54	1 6	4 27	2 14	9 21	0 32	19 55	0 4	13 10	17 17	17 58	17 32	24 37	6 56	1 21
M 8	23 22	7 31	2 15	18 56	3 4	20 11	0 49	24 3	1 5	14 51	1 6	4 27	2 14	9 21	0 32	19 55	0 4	13 9	17 17	17 57	17 33	24 39	6 56	1 21
T 9	23 25	1 44	3 13	18 49	3 6	20 27	0 46	23 58	1 6	14 47	1 6	4 26	2 15	9 20	0 32	19 55	0 3	13 9	17 16	17 57	17 34	24 40	6 55	1 21
W10	23 27	3s56	4 1	18 45	3 6	20 43	0 44	23 54	1 6	14 43	1 6	4 26	2 15	9 20	0 32	19 56	0 3	13 9	17 16	17 57	17 35	24 41	6 55	1 21
T 11	23 30	9 20	4 36	18 44	3 4	20 58	0 42	23 49	1 6	14 40	1 6	4 25	2 15	9 20	0 31	19 56	0 3	13 9	17 16	17 58	17 35	24 43	6 55	1 20
F 12	23 31	14 19	4 59	18 46	3 1	21 13	0 39	23 43	1 6	14 36	1 6	4 25	2 15	9 20	0 31	19 56	0 3	13 8	17 15	17 59	17 36	24 44	6 55	1 20
S 13	23 32	18 42	5 9	18 51	2 57	21 26	0 37	23 38	1 6	14 32	1 6	4 24	2 16	9 19	0 31	19 56	0 3	13 8	17 15	18 0	17 37	24 45	6 54	1 20
S 14	23 33	22 20	5 5	18 58	2 52	21 40	0 34	23 32	1 6	14 28	1 6	4 24	2 16	9 19	0 31	19 57	0 3	13 8	17 14	18 2	17 38	24 46	6 54	1 20
M15	23 33	25 3	4 48	19 7	2 46	21 52	0 32	23 26	1 6	14 24	1 6	4 24	2 16	9 19	0 31	19 57	0 3	13 7	17 14	18 4	17 39	24 48	6 54	1 20
T 16	23 33	26 40	4 19	19 18	2 39	22 4	0 29	23 19	1 6	14 21	1 5	4 23	2 17	9 19	0 31	19 57	0 3	13 7	17 14	18 6	17 40	24 49	6 54	1 20
W17	23 33	27 4	3 38	19 30	2 31	22 15	0 27	23 13	1 6	14 17	1 5	4 23	2 17	9 18	0 31	19 58	0 3	13 7	17 13	18 8	17 41	24 50	6 53	1 20
T 18	23 31	26 11	2 47	19 44	2 23	22 26	0 24	23 6	1 6	14 13	1 5	4 23	2 17	9 18	0 31	19 58	0 3	13 6	17 13	18 9	17 41	24 51	6 53	1 19
F 19	23 30	24 3	1 48	19 58	2 15	22 36	0 22	22 58	1 6	14 9	1 5	4 23	2 17	9 18	0 31	19 58	0 3	13 6	17 13	18 10	17 42	24 53	6 53	1 19
S 20	23 28	20 46	0 43	20 13	2 7	22 45	0 19	22 51	1 6	14 5	1 5	4 23	2 18	9 18	0 31	19 59	0 3	13 5	17 12	18 11	17 43	24 54	6 53	1 19
S 21	23 25	16 30	0n25	20 29	1 58	22 54	0 17	22 43	1 7	14 1	1 5	4 23	2 18	9 18	0 31	19 59	0 3	13 5	17 12	18 11	17 44	24 55	6 53	1 19
M22	23 22	11 27	1 33	20 45	1 49	23 1	0 14	22 35	1 7	13 56	1 5	4 23	2 18	9 18	0 31	19 59	0 3	13 5	17 11	18 11	17 45	24 56	6 53	1 19
T 23	23 19	5 50	2 38	21 1	1 40	23 9	0 12	22 27	1 7	13 52	1 5	4 23	2 19	9 18	0 31	20 0	0 3	13 4	17 11	18 10	17 46	24 57	6 53	1 19
W24	23 15	0n 8	3 36	21 17	1 31	23 15	0 9	22 18	1 7	13 48	1 5	4 23	2 19	9 18	0 31	20 0	0 3	13 4	17 11	18 10	17 47	24 59	6 53	1 19
T 25	23 10	6 14	4 23	21 32	1 22	23 21	0 7	22 9	1 7	13 44	1 5	4 23	2 19	9 18	0 31	20 0	0 3	13 3	17 10	18 10	17 48	25 0	6 53	1 18
F 26	23 5	12 11	4 56	21 48	1 13	23 26	0 4	22 0	1 7	13 40	1 5	4 23	2 19	9 18	0 31	20 1	0 3	13 3	17 10	18 10	17 48	25 1	6 53	1 18
S 27	23 0	17 39	5 12	22 3	1 4	23 30	0 2	21 51	1 7	13 35	1 4	4 23	2 20	9 18	0 31	20 1	0 3	13 3	17 10	18 10	17 49	25 2	6 53	1 18
S 28	22 54	22 14	5 10	22 17	0 55	23 34	0s 1	21 42	1 7	13 31	1 4	4 24	2 20	9 18	0 31	20 1	0 3	13 2	17 9	18 11	17 50	25 3	6 53	1 18
M29	22 48	25 30	4 47	22 31	0 46	23 37	0 3	21 32	1 7	13 27	1 4	4 24	2 20	9 18	0 31	20 2	0 3	13 2	17 9	18 12	17 51	25 4	6 53	1 18
T 30	22 41	27 2	4 4	22 44	0 37	23 39	0 6	21 22	1 7	13 22	1 4	4 24	2 21	9 18	0 31	20 2	0 3	13 1	17 9	18 13	17 52	25 6	6 53	1 18
W31	22s34	26n37	3n 5	22s57	0n29	23s40	0s 8	21s11	1s 7	13s18	1s 4	4n25	2n21	9n18	0s31	20n 3	0s 3	13s 1	17s 8	18s13	17s53	25s 7	6n53	1n18

Julian Day Number = 2121706.5, Delta T = 17m52s
Ecliptic obliquity = 23°33'28, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°09'03, Lahiri = 11°16'03 Julian Calendar 1 Dec. 1096 == Greg. Calendar 7 Dec. 1096

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1097
geocentric

JANUARY 1097 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 6 26	17♉15'58	17♋24	25♐23	3♉45	1♒27	28♒ 1	24°R21	25♈ 9	0°R42	6♈46	8°R29	9♒46	0♐53	14♈23	T 1
F 2	7 10 23	18°17'01	1♌56	26°43	5° 0	2°14	28°14	24♍20	25° 9	0♌40	6°46	8°D28	9°43	1° 0	14°24	F 2
S 3	7 14 19	19°18'04	16° 8	28° 4	6°15	3° 2	28°27	24°20	25° 9	0°38	6°47	8♒28	9°40	1° 7	14°25	S 3
S 4	7 18 16	20°19'05	29°56	29°26	7°31	3°49	28°39	24°19	25°10	0°37	6°47	8°29	9°36	1°13	14°26	S 4
M 5	7 22 13	21°20'06	13♍18	0♉49	8°46	4°37	28°52	24°18	25°10	0°35	6°48	8°30	9°33	1°20	14°27	M 5
T 6	7 26 9	22°21'06	26°15	2°13	10° 1	5°24	29° 5	24°17	25°11	0°33	6°48	8°32	9°30	1°27	14°28	T 6
W 7	7 30 6	23°22'06	8♎50	3°38	11°16	6°12	29°19	24°16	25°11	0°32	6°49	8°33	9°27	1°34	14°29	W 7
T 8	7 34 2	24°23'05	21° 8	5° 4	12°32	6°59	29°32	24°15	25°12	0°30	6°49	8°R33	9°24	1°40	14°30	T 8
F 9	7 37 59	25°24'03	3♏12	6°31	13°47	7°46	29°45	24°14	25°12	0°28	6°50	8°33	9°20	1°47	14°32	F 9
S 10	7 41 55	26°25'01	15° 7	7°58	15° 2	8°34	29°58	24°12	25°13	0°27	6°50	8°32	9°17	1°54	14°33	S 10
S 11	7 45 52	27°25'57	26°59	9°27	16°17	9°21	0♓11	24°11	25°14	0°25	6°51	8°31	9°14	2° 0	14°34	S 11
M12	7 49 48	28°26'53	8♐50	10°56	17°33	10° 9	0°25	24° 9	25°14	0°23	6°51	8°30	9°11	2° 7	14°35	M12
T 13	7 53 45	29°27'48	20°45	12°26	18°48	10°56	0°38	24° 8	25°15	0°22	6°52	8°28	9° 8	2°14	14°37	T 13
W14	7 57 42	0♒28'42	2♉47	13°57	20° 3	11°44	0°52	24° 6	25°16	0°20	6°53	8°27	9° 5	2°21	14°38	W14
T 15	8 1 38	1°29'35	14°59	15°28	21°18	12°31	1° 5	24° 4	25°17	0°18	6°53	8°26	9° 1	2°27	14°40	T 15
F 16	8 5 35	2°30'27	27°22	17° 1	22°33	13°19	1°19	24° 2	25°18	0°17	6°54	8°26	8°58	2°34	14°41	F 16
S 17	8 9 31	3°31'18	9♒57	18°34	23°49	14° 6	1°33	24° 0	25°19	0°15	6°55	8°D26	8°55	2°41	14°43	S 17
S 18	8 13 28	4°32'07	22°46	20° 8	25° 4	14°54	1°46	23°58	25°20	0°13	6°56	8°26	8°52	2°47	14°45	S 18
M19	8 17 24	5°32'55	5♓47	21°42	26°19	15°41	2° 0	23°56	25°21	0°11	6°56	8°26	8°49	2°54	14°47	M19
T 20	8 21 21	6°33'41	19° 2	23°18	27°34	16°28	2°14	23°53	25°23	0°10	6°57	8°26	8°46	3° 1	14°48	T 20
W21	8 25 17	7°34'26	2♈30	24°54	28°49	17°16	2°28	23°51	25°24	0° 8	6°58	8°26	8°42	3° 8	14°50	W21
T 22	8 29 14	8°35'09	16°11	26°31	0♒ 4	18° 3	2°41	23°48	25°25	0° 6	6°59	8°R26	8°39	3°14	14°52	T 22
F 23	8 33 11	9°35'50	0♉ 4	28° 9	1°19	18°51	2°55	23°46	25°26	0° 5	7° 0	8°26	8°36	3°21	14°54	F 23
S 24	8 37 7	10°36'30	14° 8	29°47	2°35	19°38	3° 9	23°43	25°28	0° 3	7° 0	8°D26	8°33	3°28	14°56	S 24
S 25	8 41 4	11°37'07	28°22	1♒27	3°50	20°25	3°23	23°40	25°29	0° 1	7° 1	8°26	8°30	3°34	14°58	S 25
M26	8 45 0	12°37'44	12♊43	3° 7	5° 5	21°13	3°37	23°37	25°31	29♋59	7° 2	8°27	8°26	3°41	15° 0	M26
T 27	8 48 57	13°38'18	27° 8	4°48	6°20	22° 0	3°51	23°34	25°32	29°58	7° 3	8°27	8°23	3°48	15° 2	T 27
W28	8 52 53	14°38'51	11♋34	6°31	7°35	22°47	4° 6	23°31	25°34	29°57	7° 4	8°28	8°20	3°54	15° 5	W28
T 29	8 56 50	15°39'21	25°54	8°14	8°50	23°35	4°20	23°28	25°35	29°55	7° 5	8°28	8°17	4° 1	15° 7	T 29
F 30	9 0 47	16°39'50	10♌ 5	9°58	10° 5	24°22	4°34	23°25	25°37	29°53	7° 6	8°R28	8°14	4° 8	15° 9	F 30
S 31	9 4 43	17♒40'18	24♌ 2	11♒42	11♒20	25♒ 9	4♓48	23♍22	25♈39	29♋52	7♈ 7	8♒28	8♒11	4♐15	15♈11	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s26	24n18	1n54	23s 8	0n20	23s41	0s11	21s 1	1s 7	13s13	1s 4	4n25	2n21	9n18	0s31	20n 3	0s 3	13s 0	17s 8	18s14	17s54	25s 8	6n53	1n17
F 2	22 18	20 25	0 36	23 19	0 12	23 41	0 13	20 50	1 6	13 9	1 4	4 25	2 21	9 18	0 31	20 3	0 3	13 0	17 7	18 14	17 54	25 9	6 53	1 17
S 3	22 10	15 24	0s42	23 29	0 4	23 40	0 15	20 39	1 6	13 4	1 4	4 26	2 22	9 18	0 31	20 4	0 3	12 59	17 7	18 14	17 55	25 10	6 54	1 17
S 4	22 1	9 45	1 56	23 38	0s 4	23 38	0 18	20 28	1 6	13 0	1 4	4 26	2 22	9 18	0 31	20 4	0 3	12 59	17 7	18 14	17 56	25 11	6 54	1 17
M 5	21 51	3 49	3 1	23 45	0 12	23 36	0 20	20 17	1 6	12 55	1 4	4 27	2 22	9 19	0 31	20 4	0 3	12 58	17 6	18 14	17 57	25 12	6 54	1 17
T 6	21 42	2s 5	3 54	23 52	0 20	23 33	0 23	20 5	1 6	12 51	1 4	4 28	2 23	9 19	0 31	20 5	0 3	12 58	17 6	18 13	17 58	25 13	6 54	1 17
W 7	21 31	7 44	4 35	23 57	0 27	23 29	0 25	19 53	1 6	12 46	1 4	4 28	2 23	9 19	0 31	20 5	0 3	12 57	17 6	18 13	17 59	25 14	6 55	1 16
T 8	21 21	12 56	5 2	24 2	0 34	23 25	0 27	19 41	1 6	12 41	1 4	4 29	2 23	9 19	0 31	20 6	0 3	12 57	17 5	18 13	17 59	25 16	6 55	1 16
F 9	21 10	17 34	5 15	24 5	0 41	23 20	0 30	19 29	1 6	12 36	1 4	4 30	2 23	9 20	0 31	20 6	0 3	12 56	17 5	18 13	18 0	25 17	6 55	1 16
S 10	20 58	21 27	5 14	24 7	0 48	23 14	0 32	19 16	1 6	12 32	1 4	4 31	2 24	9 20	0 30	20 6	0 3	12 56	17 5	18 13	18 1	25 18	6 56	1 16
S 11	20 47	24 26	5 0	24 8	0 55	23 7	0 34	19 3	1 6	12 27	1 3	4 31	2 24	9 20	0 30	20 7	0 3	12 55	17 4	18 13	18 2	25 19	6 56	1 16
M12	20 34	26 23	4 33	24 7	1 1	23 0	0 36	18 51	1 6	12 22	1 3	4 32	2 24	9 20	0 30	20 7	0 3	12 54	17 4	18 14	18 3	25 20	6 57	1 16
T 13	20 22	27 8	3 54	24 5	1 7	22 52	0 38	18 37	1 6	12 17	1 3	4 33	2 24	9 21	0 30	20 7	0 3	12 54	17 4	18 14	18 4	25 21	6 57	1 16
W14	20 9	26 37	3 5	24 2	1 13	22 43	0 41	18 24	1 5	12 12	1 3	4 34	2 25	9 21	0 30	20 8	0 3	12 53	17 3	18 14	18 5	25 22	6 57	1 16
T 15	19 56	24 48	2 6	23 57	1 18	22 34	0 43	18 11	1 5	12 8	1 3	4 35	2 25	9 22	0 30	20 8	0 3	12 53	17 3	18 15	18 5	25 23	6 58	1 15
F 16	19 42	21 47	1 1	23 51	1 24	22 24	0 45	17 57	1 5	12 3	1 3	4 36	2 25	9 22	0 30	20 9	0 3	12 52	17 3	18 15	18 6	25 24	6 58	1 15
S 17	19 28	17 42	0n 8	23 44	1 29	22 13	0 47	17 43	1 5	11 58	1 3	4 37	2 26	9 22	0 30	20 9	0 3	12 52	17 2	18 15	18 7	25 25	6 59	1 15
S 18	19 13	12 45	1 19	23 35	1 33	22 1	0 49	17 29	1 5	11 53	1 3	4 38	2 26	9 23	0 30	20 9	0 3	12 51	17 2	18 15	18 8	25 26	6 59	1 15
M19	18 59	7 10	2 26	23 25	1 38	21 49	0 51	17 15	1 5	11 48	1 3	4 39	2 26	9 23	0 30	20 10	0 3	12 50	17 2	18 15	18 9	25 27	7 0	1 15
T 20	18 43	1 11	3 27	23 13	1 42	21 37	0 53	17 0	1 5	11 43	1 3	4 41	2 26	9 24	0 30	20 10	0 3	12 50	17 1	18 15	18 10	25 28	7 1	1 15
W21	18 28	4n56	4 17	22 59	1 46	21 23	0 54	16 46	1 4	11 38	1 3	4 42	2 27	9 24	0 30	20 10	0 3	12 49	17 1	18 15	18 10	25 29	7 1	1 15
T 22	18 12	10 54	4 54	22 45	1 49	21 9	0 56	16 31	1 4	11 33	1 3	4 43	2 27	9 25	0 30	20 11	0 3	12 49	17 1	18 15	18 11	25 30	7 2	1 14
F 23	17 56	16 26	5 14	22 28	1 53	20 54	0 58	16 16	1 4	11 28	1 3	4 44	2 27	9 25	0 30	20 11	0 3	12 48	17 0	18 15	18 12	25 31	7 2	1 14
S 24	17 40	21 10	5 16	22 11	1 55	20 39	1 0	16 1	1 4	11 23	1 3	4 46	2 27	9 26	0 30	20 11	0 3	12 47	17 0	18 15	18 13	25 32	7 3	1 14
S 25	17 23	24 44	4 58	21 51	1 58	20 23	1 1	15 45	1 4	11 17	1 3	4 47	2 27	9 26	0 30	20 12	0 3	12 47	17 0	18 15	18 14	25 33	7 4	1 14
M26	17 6	26 46	4 22	21 30	2 0	20 7	1 3	15 30	1 3	11 12	1 3	4 48	2 28	9 27	0 30	20 12	0 3	12 46	16 59	18 14	18 15	25 34	7 4	1 14
T 27	16 49	27 1	3 30	21 8	2 2	19 50	1 5	15 14	1 3	11 7	1 3	4 50	2 28	9 27	0 30	20 13	0 3	12 46	16 59	18 14	18 15	25 35	7 5	1 14
W28	16 31	25 26	2 24	20 43	2 3	19 32	1 6	14 59	1 3	11 2	1 3	4 51	2 28	9 28	0 30	20 13	0 3	12 45	16 59	18 14	18 16	25 36	7 6	1 14
T 29	16 13	22 12	1 9	20 18	2 4	19 14	1 8	14 43	1 3	10 57	1 3	4 52	2 28	9 29	0 30	20 13	0 3	12 44	16 59	18 14	18 17	25 37	7 7	1 13
F 30	15 55	17 40	0s 9	19 50	2 5	18 55	1 9	14 27	1 2	10 52	1 3	4 54	2 29	9 29	0 30	20 14	0 3	12 44	16 58	18 14	18 18	25 37	7 7	1 13
S 31	15s37	12n14	1s25	19s21	2s 5	18s36	1s10	14s11	1s 2	10s46	1s 3	4n55	2n29	9n30	0s30	20n14	0s 3	12s43	16s58	18s14	18s19	25s38	7n 8	1n13

Julian Day Number = 2121737.5, Delta T = 17m52s
Ecliptic obliquity = 23°33'28, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°09'07, Lahiri = 11°16'07 Julian Calendar 1 Jan. 1097 == Greg. Calendar 7 Jan. 1097

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1097
geocentric

FEBRUARY 1097 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 8 40	18♒40'43	7♍41	13♒28	12♒35	25♒57	5♓ 2	23°R18	25♈41	29°R50	7♈ 8	8°R27	8♒ 7	4♐21	15♈14	S 1
M 2	9 12 36	19°41'07	21° 0	15°15	13°50	26°44	5°16	23♍15	25°42	29♋49	7° 9	8♒26	8° 4	4°28	15°16	M 2
T 3	9 16 33	20°41'30	3♎58	17° 3	15° 5	27°31	5°31	23°11	25°44	29°47	7°10	8°24	8° 1	4°35	15°19	T 3
W 4	9 20 29	21°41'50	16°37	18°51	16°20	28°18	5°45	23° 8	25°46	29°45	7°11	8°22	7°58	4°41	15°21	W 4
T 5	9 24 26	22°42'10	28°58	20°41	17°35	29° 5	5°59	23° 4	25°48	29°44	7°12	8°21	7°55	4°48	15°24	T 5
F 6	9 28 22	23°42'28	11♏ 6	22°31	18°50	29°53	6°14	23° 0	25°50	29°42	7°13	8°20	7°51	4°55	15°26	F 6
S 7	9 32 19	24°42'44	23° 3	24°23	20° 5	0♓40	6°28	22°56	25°52	29°41	7°14	8°D19	7°48	5° 2	15°29	S 7
S 8	9 36 15	25°42'59	4♐55	26°15	21°20	1°27	6°42	22°53	25°54	29°39	7°15	8°19	7°45	5° 8	15°31	S 8
M 9	9 40 12	26°43'13	16°47	28° 8	22°35	2°14	6°57	22°49	25°56	29°38	7°16	8°20	7°42	5°15	15°34	M 9
T 10	9 44 9	27°43'25	28°43	0♓ 2	23°50	3° 1	7°11	22°45	25°58	29°36	7°18	8°22	7°39	5°22	15°37	T 10
W11	9 48 5	28°43'35	10♑48	1°57	25° 5	3°48	7°26	22°41	26° 0	29°35	7°19	8°23	7°36	5°28	15°40	W11
T 12	9 52 2	29°43'43	23° 6	3°53	26°20	4°35	7°40	22°37	26° 3	29°34	7°20	8°25	7°32	5°35	15°43	T 12
F 13	9 55 58	0♓43'50	5♒39	5°48	27°35	5°22	7°55	22°32	26° 5	29°32	7°21	8°R26	7°29	5°42	15°45	F 13
S 14	9 59 55	1°43'55	18°30	7°45	28°49	6° 9	8° 9	22°28	26° 7	29°31	7°22	8°25	7°26	5°49	15°48	S 14
S 15	10 3 51	2°43'58	1♓39	9°41	0♓ 4	6°56	8°24	22°24	26°10	29°29	7°23	8°24	7°23	5°55	15°51	S 15
M16	10 7 48	3°43'59	15° 6	11°38	1°19	7°43	8°38	22°20	26°12	29°28	7°25	8°21	7°20	6° 2	15°54	M16
T 17	10 11 44	4°43'58	28°48	13°34	2°34	8°30	8°53	22°15	26°14	29°27	7°26	8°17	7°17	6° 9	15°57	T 17
W18	10 15 41	5°43'55	12♈43	15°30	3°49	9°17	9° 7	22°11	26°17	29°25	7°27	8°13	7°13	6°15	16° 0	W18
T 19	10 19 38	6°43'50	26°47	17°25	5° 4	10° 4	9°22	22° 7	26°19	29°24	7°28	8° 9	7°10	6°22	16° 3	T 19
F 20	10 23 34	7°43'43	10♉57	19°20	6°18	10°51	9°36	22° 2	26°22	29°23	7°30	8° 5	7° 7	6°29	16° 6	F 20
S 21	10 27 31	8°43'33	25° 9	21°12	7°33	11°38	9°51	21°58	26°24	29°22	7°31	8° 3	7° 4	6°35	16° 9	S 21
S 22	10 31 27	9°43'21	9♊21	23° 3	8°48	12°24	10° 5	21°53	26°27	29°20	7°32	8°D 3	7° 1	6°42	16°13	S 22
M23	10 35 24	10°43'07	23°30	24°52	10° 3	13°11	10°20	21°49	26°30	29°19	7°33	8° 3	6°57	6°49	16°16	M23
T 24	10 39 20	11°42'51	7♋35	26°38	11°17	13°58	10°34	21°44	26°32	29°18	7°35	8° 5	6°54	6°56	16°19	T 24
W25	10 43 17	12°42'32	21°34	28°21	12°32	14°44	10°49	21°39	26°35	29°17	7°36	8° 6	6°51	7° 2	16°22	W25
T 26	10 47 13	13°42'11	5♌25	29°59	13°47	15°31	11° 3	21°35	26°38	29°16	7°37	8°R 7	6°48	7° 9	16°26	T 26
F 27	10 51 10	14°41'47	19° 8	1♈35	15° 2	16°18	11°18	21°30	26°40	29°15	7°39	8° 6	6°45	7°16	16°29	F 27
S 28	10 55 7	15♓41'22	2♍40	3♈ 5	16♓16	17♓ 4	11♓32	21♍26	26♈43	29♋14	7♈40	8♒ 4	6♒42	7♐22	16♈32	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s18	6n20	2s35	18s51	2s 5	18s16	1s12	13s54	1s 2	10s41	1s 3	4n57	2n29	9n31	0s30	20n14	0s 3	12s42	16s58	18s14	18s20	25s39	7n 9	1n13
M 2	14 59	0 18	3 34	18 19	2 4	17 55	1 13	13 38	1 2	10 36	1 3	4 59	2 29	9 31	0 30	20 15	0 3	12 42	16 57	18 15	18 20	25 40	7 10	1 13
T 3	14 40	5s34	4 21	17 45	2 3	17 34	1 14	13 21	1 1	10 31	1 3	5 0	2 29	9 32	0 30	20 15	0 3	12 41	16 57	18 15	18 21	25 41	7 11	1 13
W 4	14 21	11 4	4 54	17 10	2 1	17 13	1 15	13 5	1 1	10 25	1 3	5 2	2 30	9 33	0 30	20 15	0 3	12 40	16 57	18 16	18 22	25 42	7 11	1 13
T 5	14 1	16 1	5 12	16 33	1 59	16 51	1 16	12 48	1 1	10 20	1 3	5 3	2 30	9 33	0 30	20 16	0 3	12 40	16 57	18 16	18 23	25 43	7 12	1 13
F 6	13 41	20 13	5 16	15 54	1 56	16 29	1 18	12 31	1 1	10 15	1 3	5 5	2 30	9 34	0 30	20 16	0 3	12 39	16 56	18 16	18 24	25 44	7 13	1 12
S 7	13 21	23 33	5 6	15 14	1 53	16 6	1 19	12 14	1 0	10 9	1 3	5 7	2 30	9 35	0 30	20 16	0 3	12 39	16 56	18 17	18 24	25 45	7 14	1 12
S 8	13 1	25 51	4 43	14 32	1 49	15 43	1 19	11 57	1 0	10 4	1 3	5 8	2 30	9 36	0 30	20 17	0 3	12 38	16 56	18 16	18 25	25 45	7 15	1 12
M 9	12 40	27 0	4 8	13 49	1 45	15 19	1 20	11 40	1 0	9 59	1 3	5 10	2 31	9 37	0 30	20 17	0 3	12 37	16 56	18 16	18 26	25 46	7 16	1 12
T 10	12 19	26 55	3 22	13 4	1 40	14 55	1 21	11 22	0 59	9 53	1 3	5 12	2 31	9 37	0 30	20 17	0 3	12 37	16 55	18 16	18 27	25 47	7 17	1 12
W11	11 58	25 33	2 26	12 18	1 34	14 31	1 22	11 5	0 59	9 48	1 3	5 14	2 31	9 38	0 29	20 18	0 3	12 36	16 55	18 15	18 28	25 48	7 18	1 12
T 12	11 37	22 56	1 23	11 30	1 28	14 6	1 22	10 47	0 59	9 42	1 3	5 15	2 31	9 39	0 29	20 18	0 3	12 35	16 55	18 15	18 29	25 49	7 19	1 12
F 13	11 16	19 12	0 15	10 41	1 21	13 40	1 23	10 30	0 58	9 37	1 3	5 17	2 31	9 40	0 29	20 18	0 3	12 35	16 55	18 15	18 29	25 50	7 20	1 12
S 14	10 55	14 29	0n55	9 51	1 14	13 15	1 24	10 12	0 58	9 32	1 3	5 19	2 31	9 41	0 29	20 19	0 3	12 34	16 55	18 15	18 30	25 50	7 21	1 12
S 15	10 33	9 0	2 4	9 0	1 6	12 49	1 24	9 54	0 58	9 26	1 3	5 21	2 32	9 42	0 29	20 19	0 3	12 33	16 54	18 15	18 31	25 51	7 22	1 11
M16	10 11	3 1	3 8	8 7	0 58	12 22	1 25	9 36	0 57	9 21	1 3	5 23	2 32	9 42	0 29	20 19	0 3	12 33	16 54	18 16	18 32	25 52	7 23	1 11
T 17	9 49	3n13	4 2	7 14	0 48	11 56	1 25	9 18	0 57	9 15	1 3	5 25	2 32	9 43	0 29	20 19	0 3	12 32	16 54	18 17	18 33	25 53	7 24	1 11
W18	9 27	9 23	4 43	6 20	0 39	11 29	1 25	9 0	0 57	9 10	1 3	5 26	2 32	9 44	0 29	20 20	0 3	12 31	16 54	18 18	18 33	25 53	7 25	1 11
T 19	9 5	15 8	5 7	5 26	0 28	11 2	1 25	8 42	0 56	9 4	1 3	5 28	2 32	9 45	0 29	20 20	0 3	12 31	16 54	18 19	18 34	25 54	7 26	1 11
F 20	8 43	20 7	5 12	4 31	0 18	10 34	1 26	8 24	0 56	8 59	1 3	5 30	2 32	9 46	0 29	20 20	0 3	12 30	16 53	18 20	18 35	25 55	7 27	1 11
S 21	8 20	23 59	4 59	3 36	0 6	10 6	1 26	8 6	0 56	8 53	1 3	5 32	2 32	9 47	0 29	20 21	0 3	12 29	16 53	18 21	18 36	25 56	7 28	1 11
S 22	7 58	26 22	4 27	2 41	0n 5	9 38	1 26	7 47	0 55	8 48	1 3	5 34	2 32	9 48	0 29	20 21	0 3	12 29	16 53	18 21	18 37	25 57	7 30	1 11
M23	7 35	27 3	3 40	1 47	0 18	9 10	1 26	7 29	0 55	8 42	1 3	5 36	2 33	9 49	0 29	20 21	0 3	12 28	16 53	18 21	18 37	25 57	7 31	1 11
T 24	7 12	25 59	2 39	0 53	0 30	8 41	1 26	7 11	0 55	8 37	1 3	5 38	2 33	9 50	0 29	20 21	0 3	12 27	16 53	18 20	18 38	25 58	7 32	1 10
W25	6 49	23 17	1 29	0 1	0 43	8 12	1 26	6 52	0 54	8 31	1 3	5 40	2 33	9 51	0 29	20 22	0 3	12 27	16 53	18 20	18 39	25 59	7 33	1 10
T 26	6 26	19 15	0 15	0n51	0 56	7 43	1 25	6 34	0 54	8 26	1 3	5 42	2 33	9 52	0 29	20 22	0 3	12 26	16 52	18 20	18 40	25 59	7 34	1 10
F 27	6 3	14 13	1s 0	1 41	1 9	7 14	1 25	6 15	0 53	8 20	1 3	5 43	2 33	9 53	0 29	20 22	0 3	12 25	16 52	18 20	18 41	26 0	7 35	1 10
S 28	5s40	8n33	2s10	2n29	1n22	6s45	1s25	5s57	0s53	8s15	1s 3	5n45	2n33	9n54	0s29	20n22	0s 3	12s25	16s52	18s20	18s42	26s 1	7n36	1n10

Julian Day Number = 2121768.5, Delta T = 17m52s
Ecliptic obliquity = 23°33'29, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°09'11, Lahiri = 11°16'12 Julian Calendar 1 Feb. 1097 == Greg. Calendar 7 Feb. 1097

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1097
geocentric

MARCH 1097 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 59 3	16♓40'54	16♍ 0	4♈30	17♓31	17♓51	11♓47	21°R21	26♈46	29°R13	7♈41	8°R 0	6♒38	7♐29	16♈36	S 1
M 2	11 3 0	17°40'24	29° 5	5°50	18°45	18°37	12° 1	21♍16	26°49	29♋12	7°43	7♒54	6°35	7°36	16°39	M 2
T 3	11 6 56	18°39'52	11♎54	7° 4	20° 0	19°24	12°16	21°12	26°52	29°11	7°44	7°47	6°32	7°43	16°42	T 3
W 4	11 10 53	19°39'18	24°29	8°11	21°15	20°10	12°30	21° 7	26°55	29°10	7°45	7°39	6°29	7°49	16°46	W 4
T 5	11 14 49	20°38'42	6♏48	9°12	22°29	20°57	12°45	21° 2	26°58	29° 9	7°47	7°32	6°26	7°56	16°49	T 5
F 6	11 18 46	21°38'04	18°55	10° 7	23°44	21°43	12°59	20°57	27° 0	29° 8	7°48	7°26	6°23	8° 3	16°53	F 6
S 7	11 22 42	22°37'25	0♐53	10°54	24°58	22°29	13°13	20°53	27° 3	29° 7	7°49	7°21	6°19	8° 9	16°56	S 7
S 8	11 26 39	23°36'44	12°45	11°34	26°13	23°15	13°28	20°48	27° 6	29° 6	7°51	7°19	6°16	8°16	17° 0	S 8
M 9	11 30 36	24°36'01	24°36	12° 6	27°27	24° 2	13°42	20°43	27° 9	29° 5	7°52	7°D18	6°13	8°23	17° 3	M 9
T 10	11 34 32	25°35'16	6♑32	12°32	28°42	24°48	13°57	20°39	27°13	29° 5	7°54	7°19	6°10	8°29	17° 7	T 10
W11	11 38 29	26°34'29	18°37	12°49	29°56	25°34	14°11	20°34	27°16	29° 4	7°55	7°20	6° 7	8°36	17°10	W11
T 12	11 42 25	27°33'40	0♒56	13° 0	1♈11	26°20	14°25	20°29	27°19	29° 3	7°56	7°R21	6° 3	8°43	17°14	T 12
F 13	11 46 22	28°32'50	13°34	13°R 3	2°25	27° 6	14°40	20°25	27°22	29° 2	7°58	7°21	6° 0	8°50	17°17	F 13
S 14	11 50 18	29°31'57	26°34	12°59	3°40	27°52	14°54	20°20	27°25	29° 2	7°59	7°19	5°57	8°56	17°21	S 14
S 15	11 54 15	0♈31'03	9♓57	12°48	4°54	28°38	15° 8	20°16	27°28	29° 1	8° 1	7°15	5°54	9° 3	17°25	S 15
M16	11 58 11	1°30'07	23°44	12°31	6° 8	29°24	15°22	20°11	27°31	29° 0	8° 2	7° 9	5°51	9°10	17°28	M16
T 17	12 2 8	2°29'08	7♈52	12° 8	7°23	0♈10	15°37	20° 6	27°35	29° 0	8° 3	7° 1	5°48	9°16	17°32	T 17
W18	12 6 4	3°28'08	22°15	11°40	8°37	0°56	15°51	20° 2	27°38	28°59	8° 5	6°51	5°44	9°23	17°36	W18
T 19	12 10 1	4°27'05	6♉48	11° 7	9°51	1°42	16° 5	19°57	27°41	28°59	8° 6	6°42	5°41	9°30	17°39	T 19
F 20	12 13 58	5°26'00	21°23	10°29	11° 6	2°28	16°19	19°53	27°44	28°58	8° 8	6°35	5°38	9°36	17°43	F 20
S 21	12 17 54	6°24'53	5♊54	9°49	12°20	3°13	16°33	19°49	27°48	28°58	8° 9	6°29	5°35	9°43	17°47	S 21
S 22	12 21 51	7°23'44	20°16	9° 6	13°34	3°59	16°47	19°44	27°51	28°57	8°11	6°25	5°32	9°50	17°50	S 22
M23	12 25 47	8°22'32	4♋26	8°21	14°48	4°45	17° 1	19°40	27°54	28°57	8°12	6°D24	5°28	9°57	17°54	M23
T 24	12 29 44	9°21'18	18°24	7°36	16° 3	5°30	17°15	19°36	27°57	28°57	8°13	6°24	5°25	10° 3	17°58	T 24
W25	12 33 40	10°20'02	2♌ 7	6°51	17°17	6°16	17°29	19°31	28° 1	28°56	8°15	6°R25	5°22	10°10	18° 2	W25
T 26	12 37 37	11°18'43	15°39	6° 7	18°31	7° 1	17°43	19°27	28° 4	28°56	8°16	6°25	5°19	10°17	18° 5	T 26
F 27	12 41 34	12°17'22	28°58	5°24	19°45	7°47	17°57	19°23	28° 7	28°56	8°18	6°23	5°16	10°23	18° 9	F 27
S 28	12 45 30	13°15'59	12♍ 6	4°44	20°59	8°32	18°11	19°19	28°11	28°56	8°19	6°18	5°13	10°30	18°13	S 28
S 29	12 49 27	14°14'34	25° 3	4° 8	22°13	9°17	18°24	19°15	28°14	28°55	8°20	6°10	5° 9	10°37	18°17	S 29
M30	12 53 23	15°13'06	7♎49	3°34	23°27	10° 3	18°38	19°11	28°18	28°55	8°22	6° 0	5° 6	10°43	18°20	M30
T 31	12 57 20	16♈11'37	20♎24	3♈ 5	24♈42	10♈48	18♓52	19♍ 7	28♈21	28♋55	8♈23	5♒49	5♒ 3	10♐50	18♈24	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s17	2n37	3s11	3n15	1n35	6s15	1s24	5s38	0s53	8s 9	1s 3	5n47	2n33	9n55	0s29	20n23	0s 3	12s24	16s52	18s21	18s42	26s 2	7n38	1n10
M 2	4 54	3s19	4 1	3 58	1 47	5 45	1 24	5 19	0 52	8 4	1 3	5 49	2 33	9 56	0 29	20 23	0 2	12 24	16 52	18 23	18 43	26 2	7 39	1 10
T 3	4 30	8 59	4 38	4 39	1 59	5 15	1 23	5 1	0 52	7 58	1 4	5 51	2 33	9 57	0 29	20 23	0 2	12 23	16 52	18 25	18 44	26 3	7 40	1 10
W 4	4 7	14 11	5 1	5 16	2 11	4 45	1 23	4 42	0 51	7 53	1 4	5 53	2 33	9 58	0 29	20 23	0 2	12 22	16 52	18 27	18 45	26 4	7 41	1 10
T 5	3 44	18 42	5 9	5 51	2 23	4 15	1 22	4 23	0 51	7 47	1 4	5 55	2 33	9 59	0 29	20 23	0 2	12 22	16 52	18 29	18 46	26 4	7 43	1 9
F 6	3 20	22 23	5 3	6 22	2 33	3 45	1 21	4 4	0 50	7 42	1 4	5 57	2 33	10 0	0 29	20 24	0 2	12 21	16 51	18 30	18 46	26 5	7 44	1 9
S 7	2 56	25 3	4 43	6 50	2 43	3 14	1 21	3 46	0 50	7 36	1 4	5 59	2 33	10 2	0 29	20 24	0 2	12 20	16 51	18 31	18 47	26 6	7 45	1 9
S 8	2 33	26 36	4 12	7 14	2 52	2 44	1 20	3 27	0 50	7 31	1 4	6 1	2 33	10 3	0 29	20 24	0 2	12 20	16 51	18 32	18 48	26 6	7 46	1 9
M 9	2 9	26 57	3 30	7 35	3 1	2 13	1 19	3 8	0 49	7 25	1 4	6 3	2 33	10 4	0 29	20 24	0 2	12 19	16 51	18 32	18 49	26 7	7 48	1 9
T 10	1 46	26 2	2 38	7 51	3 8	1 43	1 18	2 49	0 49	7 20	1 4	6 4	2 33	10 5	0 29	20 24	0 2	12 19	16 51	18 32	18 49	26 7	7 49	1 9
W11	1 22	23 54	1 39	8 3	3 13	1 12	1 17	2 30	0 48	7 14	1 4	6 6	2 33	10 6	0 29	20 25	0 2	12 18	16 51	18 32	18 50	26 8	7 50	1 9
T 12	0 58	20 37	0 35	8 11	3 18	0 41	1 16	2 12	0 48	7 9	1 4	6 8	2 33	10 7	0 29	20 25	0 2	12 17	16 51	18 32	18 51	26 9	7 51	1 9
F 13	0 35	16 18	0n33	8 16	3 21	0 11	1 15	1 53	0 47	7 3	1 4	6 10	2 33	10 8	0 29	20 25	0 2	12 17	16 51	18 32	18 52	26 9	7 53	1 9
S 14	0 11	11 8	1 41	8 16	3 23	0n20	1 14	1 34	0 47	6 58	1 4	6 12	2 33	10 9	0 29	20 25	0 2	12 16	16 51	18 32	18 53	26 10	7 54	1 9
S 15	0n12	5 19	2 46	8 12	3 23	0 51	1 12	1 15	0 46	6 52	1 4	6 14	2 33	10 11	0 29	20 25	0 2	12 16	16 51	18 33	18 53	26 10	7 55	1 9
M16	0 36	0n54	3 42	8 4	3 22	1 22	1 11	0 56	0 46	6 47	1 4	6 15	2 33	10 12	0 29	20 25	0 2	12 15	16 51	18 35	18 54	26 11	7 57	1 8
T 17	1 0	7 13	4 27	7 52	3 19	1 52	1 10	0 37	0 45	6 41	1 4	6 17	2 33	10 13	0 29	20 25	0 2	12 14	16 51	18 37	18 55	26 12	7 58	1 8
W18	1 23	13 15	4 55	7 36	3 14	2 23	1 8	0 19	0 45	6 36	1 5	6 19	2 33	10 14	0 29	20 26	0 2	12 14	16 51	18 39	18 56	26 12	7 59	1 8
T 19	1 47	18 38	5 5	7 18	3 8	2 54	1 7	0n 0	0 44	6 31	1 5	6 21	2 33	10 15	0 29	20 26	0 2	12 13	16 51	18 41	18 57	26 13	8 1	1 8
F 20	2 10	22 56	4 55	6 56	3 0	3 25	1 5	0 19	0 44	6 25	1 5	6 22	2 33	10 16	0 29	20 26	0 2	12 13	16 50	18 43	18 57	26 13	8 2	1 8
S 21	2 34	25 45	4 26	6 31	2 51	3 55	1 4	0 38	0 43	6 20	1 5	6 24	2 33	10 18	0 29	20 26	0 2	12 12	16 50	18 45	18 58	26 14	8 3	1 8
S 22	2 57	26 52	3 40	6 4	2 40	4 26	1 2	0 56	0 43	6 14	1 5	6 26	2 33	10 19	0 29	20 26	0 2	12 11	16 50	18 46	18 59	26 14	8 5	1 8
M23	3 20	26 11	2 42	5 35	2 28	4 56	1 1	1 15	0 42	6 9	1 5	6 27	2 33	10 20	0 29	20 26	0 2	12 11	16 50	18 46	19 0	26 15	8 6	1 8
T 24	3 44	23 51	1 35	5 5	2 14	5 26	0 59	1 33	0 42	6 3	1 5	6 29	2 33	10 21	0 29	20 26	0 2	12 10	16 50	18 46	19 0	26 15	8 7	1 8
W25	4 7	20 9	0 23	4 34	2 0	5 56	0 57	1 52	0 41	5 58	1 5	6 31	2 33	10 22	0 29	20 26	0 2	12 10	16 50	18 46	19 1	26 16	8 9	1 8
T 26	4 30	15 27	0s49	4 3	1 45	6 26	0 55	2 11	0 41	5 53	1 5	6 32	2 33	10 24	0 29	20 26	0 2	12 9	16 50	18 46	19 2	26 16	8 10	1 8
F 27	4 53	10 4	1 57	3 31	1 29	6 56	0 54	2 29	0 40	5 47	1 5	6 34	2 33	10 25	0 29	20 26	0 2	12 9	16 50	18 46	19 3	26 17	8 12	1 8
S 28	5 16	4 19	2 58	3 1	1 13	7 26	0 52	2 48	0 40	5 42	1 6	6 35	2 33	10 26	0 29	20 26	0 2	12 8	16 50	18 47	19 4	26 17	8 13	1 8
S 29	5 39	1s31	3 48	2 31	0 57	7 56	0 50	3 6	0 39	5 37	1 6	6 37	2 33	10 27	0 29	20 26	0 2	12 8	16 51	18 49	19 4	26 18	8 14	1 7
M30	6 1	7 11	4 26	2 2	0 40	8 25	0 48	3 24	0 39	5 31	1 6	6 38	2 33	10 29	0 29	20 27	0 2	12 7	16 51	18 52	19 5	26 18	8 16	1 7
T 31	6n24	12s29	4s51	1n35	0n23	8n54	0s46	3n43	0s38	5s26	1s 6	6n40	2n33	10n30	0s29	20n27	0s 2	12s 7	16s51	18s55	19s 6	26s19	8n17	1n 7

Julian Day Number = 2121796.5, Delta T = 17m51s
Ecliptic obliquity = 23°33'29, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°09'15, Lahiri = 11°16'15 Julian Calendar 1 March 1097 == Greg. Calendar 7 March 1097

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1097
geocentric

APRIL 1097 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 1 16	17♈10'05	2♏47	2°R40	25♈56	11♈33	19♓ 6	19°R 3	28♈24	28°R55	8♈25	5°R36	5♒ 0	10♐57	18♈28	W 1
T 2	13 5 13	18° 8'32	14°59	2♈20	27°10	12°18	19°19	18♍59	28°28	28♋55	8°26	5♒24	4°57	11° 3	18°32	T 2
F 3	13 9 9	19° 6'57	27° 2	2° 5	28°24	13° 3	19°33	18°56	28°31	28°D55	8°28	5°12	4°54	11°10	18°35	F 3
S 4	13 13 6	20° 5'21	8♐57	1°54	29°38	13°49	19°46	18°52	28°35	28°55	8°29	5° 4	4°50	11°17	18°39	S 4
S 5	13 17 2	21° 3'42	20°48	1°49	0♉52	14°34	20° 0	18°48	28°38	28°55	8°30	4°57	4°47	11°24	18°43	S 5
M 6	13 20 59	22° 2'03	2♑38	1°D49	2° 5	15°18	20°13	18°45	28°42	28°55	8°32	4°54	4°44	11°30	18°47	M 6
T 7	13 24 56	23° 0'21	14°32	1°53	3°19	16° 3	20°26	18°41	28°45	28°55	8°33	4°52	4°41	11°37	18°50	T 7
W 8	13 28 52	23°58'38	26°35	2° 3	4°33	16°48	20°40	18°38	28°48	28°55	8°34	4°D52	4°38	11°44	18°54	W 8
T 9	13 32 49	24°56'53	8♒52	2°17	5°47	17°33	20°53	18°35	28°52	28°56	8°36	4°R52	4°34	11°50	18°58	T 9
F 10	13 36 45	25°55'07	21°30	2°36	7° 1	18°18	21° 6	18°31	28°55	28°56	8°37	4°51	4°31	11°57	19° 2	F 10
S 11	13 40 42	26°53'19	4♓31	2°59	8°15	19° 3	21°19	18°28	28°59	28°56	8°39	4°48	4°28	12° 4	19° 5	S 11
S 12	13 44 38	27°51'30	18° 0	3°27	9°29	19°47	21°32	18°25	29° 2	28°56	8°40	4°43	4°25	12°10	19° 9	S 12
M13	13 48 35	28°49'38	1♈56	3°59	10°43	20°32	21°45	18°22	29° 6	28°57	8°41	4°35	4°22	12°17	19°13	M13
T 14	13 52 31	29°47'46	16°18	4°35	11°56	21°16	21°58	18°19	29° 9	28°57	8°43	4°25	4°19	12°24	19°17	T 14
W15	13 56 28	0♉45'52	1♉ 2	5°14	13°10	22° 1	22°11	18°16	29°13	28°57	8°44	4°14	4°15	12°31	19°20	W15
T 16	14 0 25	1°43'56	15°58	5°58	14°24	22°45	22°24	18°13	29°16	28°58	8°45	4° 3	4°12	12°37	19°24	T 16
F 17	14 4 21	2°41'58	0♊57	6°45	15°38	23°30	22°37	18°11	29°20	28°58	8°47	3°53	4° 9	12°44	19°28	F 17
S 18	14 8 18	3°39'59	15°51	7°35	16°51	24°14	22°49	18° 8	29°23	28°59	8°48	3°45	4° 6	12°51	19°31	S 18
S 19	14 12 14	4°37'58	0♋31	8°29	18° 5	24°58	23° 2	18° 6	29°27	28°59	8°49	3°40	4° 3	12°57	19°35	S 19
M20	14 16 11	5°35'55	14°53	9°26	19°19	25°43	23°14	18° 3	29°30	29° 0	8°51	3°38	4° 0	13° 4	19°39	M20
T 21	14 20 7	6°33'50	28°55	10°26	20°32	26°27	23°27	18° 1	29°34	29° 0	8°52	3°37	3°56	13°11	19°42	T 21
W22	14 24 4	7°31'43	12♌36	11°29	21°46	27°11	23°39	17°59	29°37	29° 1	8°53	3°37	3°53	13°17	19°46	W22
T 23	14 28 0	8°29'34	25°59	12°34	23° 0	27°55	23°52	17°57	29°40	29° 1	8°54	3°37	3°50	13°24	19°50	T 23
F 24	14 31 57	9°27'24	9♍ 5	13°43	24°13	28°39	24° 4	17°54	29°44	29° 2	8°56	3°34	3°47	13°31	19°53	F 24
S 25	14 35 54	10°25'11	21°56	14°54	25°27	29°23	24°16	17°53	29°47	29° 3	8°57	3°29	3°44	13°37	19°57	S 25
S 26	14 39 50	11°22'57	4♎36	16° 8	26°40	0♉ 7	24°28	17°51	29°51	29° 3	8°58	3°21	3°40	13°44	20° 1	S 26
M27	14 43 47	12°20'42	17° 4	17°25	27°54	0°51	24°40	17°49	29°54	29° 4	8°59	3°10	3°37	13°51	20° 4	M27
T 28	14 47 43	13°18'24	29°24	18°44	29° 7	1°35	24°52	17°47	29°57	29° 5	9° 1	2°58	3°34	13°58	20° 8	T 28
W29	14 51 40	14°16'06	11♏34	20° 5	0♊21	2°18	25° 4	17°46	0♉ 1	29° 6	9° 2	2°45	3°31	14° 4	20°11	W29
T 30	14 55 36	15♉13'46	23♏38	21♈29	1♊34	3♉ 2	25♓16	17♍44	0♉ 4	29♋ 7	9♈ 3	2♒32	3♒28	14♐11	20♈15	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	6n47	17s12	5s 1	1n10	0n 7	9n23	0s44	4n 1	0s38	5s21	1s 6	6n41	2n33	10n31	0s29	20n27	0s 2	12s 6	16s51	18s58	19s 7	26s19	8n18	1n 7
T 2	7 9	21 8	4 57	0 48	0s 9	9 52	0 42	4 19	0 37	5 16	1 6	6 43	2 32	10 32	0 29	20 27	0 2	12 6	16 51	19 1	19 7	26 20	8 20	1 7
F 3	7 31	24 8	4 40	0 27	0 25	10 20	0 40	4 37	0 36	5 10	1 6	6 44	2 32	10 33	0 28	20 27	0 2	12 5	16 51	19 4	19 8	26 20	8 21	1 7
S 4	7 53	26 2	4 11	0 9	0 40	10 49	0 37	4 55	0 36	5 5	1 6	6 46	2 32	10 35	0 28	20 27	0 2	12 5	16 51	19 6	19 9	26 21	8 23	1 7
S 5	8 15	26 45	3 31	0s 6	0 54	11 17	0 35	5 13	0 35	5 0	1 6	6 47	2 32	10 36	0 28	20 27	0 2	12 4	16 51	19 7	19 10	26 21	8 24	1 7
M 6	8 37	26 14	2 42	0 19	1 8	11 45	0 33	5 31	0 35	4 55	1 7	6 48	2 32	10 37	0 28	20 27	0 2	12 4	16 51	19 8	19 11	26 22	8 25	1 7
T 7	8 59	24 31	1 46	0 29	1 21	12 12	0 31	5 49	0 34	4 50	1 7	6 49	2 32	10 38	0 28	20 27	0 2	12 3	16 51	19 9	19 11	26 22	8 27	1 7
W 8	9 21	21 40	0 44	0 37	1 34	12 39	0 29	6 7	0 34	4 44	1 7	6 51	2 32	10 40	0 28	20 27	0 2	12 3	16 51	19 9	19 12	26 22	8 28	1 7
T 9	9 42	17 47	0n21	0 42	1 45	13 6	0 26	6 25	0 33	4 39	1 7	6 52	2 32	10 41	0 28	20 27	0 2	12 2	16 51	19 9	19 13	26 23	8 29	1 7
F 10	10 4	13 2	1 27	0 44	1 56	13 33	0 24	6 42	0 33	4 34	1 7	6 53	2 32	10 42	0 28	20 27	0 2	12 2	16 51	19 9	19 14	26 23	8 31	1 7
S 11	10 25	7 34	2 30	0 44	2 6	13 59	0 22	7 0	0 32	4 29	1 7	6 54	2 31	10 43	0 28	20 27	0 2	12 1	16 51	19 9	19 14	26 24	8 32	1 7
S 12	10 46	1 36	3 27	0 41	2 15	14 25	0 19	7 18	0 31	4 24	1 7	6 55	2 31	10 45	0 28	20 26	0 2	12 1	16 51	19 11	19 15	26 24	8 34	1 7
M13	11 7	4n39	4 13	0 36	2 24	14 51	0 17	7 35	0 31	4 19	1 7	6 56	2 31	10 46	0 28	20 26	0 2	12 1	16 52	19 13	19 16	26 24	8 35	1 6
T 14	11 27	10 50	4 46	0 29	2 31	15 16	0 14	7 52	0 30	4 14	1 8	6 57	2 31	10 47	0 28	20 26	0 2	12 0	16 52	19 15	19 17	26 25	8 36	1 6
W15	11 48	16 34	5 0	0 20	2 38	15 41	0 12	8 10	0 30	4 9	1 8	6 58	2 31	10 48	0 28	20 26	0 2	12 0	16 52	19 18	19 17	26 25	8 38	1 6
T 16	12 8	21 23	4 54	0 8	2 44	16 5	0 10	8 27	0 29	4 4	1 8	6 59	2 31	10 50	0 28	20 26	0 2	11 59	16 52	19 20	19 18	26 25	8 39	1 6
F 17	12 28	24 49	4 28	0n 6	2 49	16 29	0 7	8 44	0 28	3 59	1 8	7 0	2 31	10 51	0 28	20 26	0 2	11 59	16 52	19 23	19 19	26 26	8 40	1 6
S 18	12 48	26 30	3 44	0 22	2 54	16 53	0 5	9 1	0 28	3 54	1 8	7 1	2 30	10 52	0 28	20 26	0 2	11 59	16 52	19 24	19 20	26 26	8 42	1 6
S 19	13 8	26 19	2 45	0 40	2 58	17 16	0 2	9 18	0 27	3 49	1 8	7 2	2 30	10 53	0 28	20 26	0 2	11 58	16 52	19 26	19 20	26 26	8 43	1 6
M20	13 27	24 20	1 37	0 59	3 1	17 39	0n 0	9 34	0 27	3 45	1 8	7 3	2 30	10 55	0 28	20 26	0 2	11 58	16 53	19 26	19 21	26 27	8 44	1 6
T 21	13 46	20 53	0 25	1 21	3 3	18 1	0 3	9 51	0 26	3 40	1 9	7 3	2 30	10 56	0 28	20 26	0 2	11 57	16 53	19 26	19 22	26 27	8 46	1 6
W22	14 5	16 21	0s47	1 44	3 5	18 23	0 5	10 7	0 25	3 35	1 9	7 4	2 30	10 57	0 28	20 26	0 2	11 57	16 53	19 26	19 23	26 27	8 47	1 6
T 23	14 24	11 7	1 55	2 9	3 6	18 44	0 8	10 24	0 25	3 30	1 9	7 5	2 30	10 58	0 28	20 26	0 2	11 57	16 53	19 27	19 23	26 28	8 48	1 6
F 24	14 43	5 30	2 56	2 35	3 6	19 5	0 10	10 40	0 24	3 26	1 9	7 6	2 29	10 59	0 28	20 25	0 2	11 56	16 53	19 27	19 24	26 28	8 50	1 6
S 25	15 1	0s14	3 46	3 3	3 5	19 25	0 13	10 56	0 24	3 21	1 9	7 6	2 29	11 1	0 28	20 25	0 2	11 56	16 53	19 28	19 25	26 28	8 51	1 6
S 26	15 19	5 52	4 24	3 33	3 4	19 45	0 15	11 13	0 23	3 16	1 9	7 7	2 29	11 2	0 28	20 25	0 2	11 56	16 53	19 30	19 26	26 28	8 52	1 6
M27	15 37	11 10	4 49	4 3	3 3	20 5	0 18	11 29	0 22	3 12	1 10	7 7	2 29	11 3	0 28	20 25	0 2	11 56	16 54	19 33	19 26	26 29	8 54	1 6
T 28	15 55	15 58	5 0	4 36	3 0	20 23	0 20	11 44	0 22	3 7	1 10	7 8	2 29	11 4	0 28	20 25	0 2	11 55	16 54	19 36	19 27	26 29	8 55	1 6
W29	16 12	20 4	4 57	5 9	2 57	20 42	0 23	12 0	0 21	3 2	1 10	7 8	2 28	11 5	0 28	20 25	0 2	11 55	16 54	19 39	19 28	26 29	8 56	1 6
T 30	16n29	23s18	4s40	5n44	2s54	20n59	0n25	12n16	0s21	2s58	1s10	7n 9	2n28	11n 7	0s28	20n25	0s 2	11s55	16s54	19s42	19s29	26s29	8n58	1n 6

Julian Day Number = 2121827.5, Delta T = 17m51s
Ecliptic obliquity = 23°33'29, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°09'19, Lahiri = 11°16'20 Julian Calendar 1 Apr. 1097 == Greg. Calendar 7 Apr. 1097

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1097
geocentric

MAY 1097 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 59 33	16♉11'25	5♐34	22♈55	2♊48	3♉46	25♓27	17°R43	0♉ 8	29♋ 8	9♈ 4	2°R20	3♒25	14♐18	20♈18	F 1
S 2	15 3 29	17° 9'02	17°26	24°24	4° 1	4°29	25°39	17♍41	0°11	29° 9	9° 5	2♒10	3°21	14°24	20°22	S 2
S 3	15 7 26	18° 6'38	29°15	25°55	5°14	5°13	25°50	17°40	0°14	29° 9	9° 6	2° 3	3°18	14°31	20°25	S 3
M 4	15 11 23	19° 4'14	11♑ 5	27°28	6°28	5°56	26° 2	17°39	0°18	29°10	9° 8	1°59	3°15	14°38	20°28	M 4
T 5	15 15 19	20° 1'48	22°58	29° 4	7°41	6°40	26°13	17°38	0°21	29°11	9° 9	1°57	3°12	14°44	20°32	T 5
W 6	15 19 16	20°59'21	5♒ 1	0♉42	8°54	7°23	26°24	17°37	0°24	29°12	9°10	1°D57	3° 9	14°51	20°35	W 6
T 7	15 23 12	21°56'53	17°17	2°22	10° 8	8° 7	26°35	17°36	0°28	29°14	9°11	1°R57	3° 6	14°58	20°39	T 7
F 8	15 27 9	22°54'25	29°52	4° 5	11°21	8°50	26°46	17°36	0°31	29°15	9°12	1°57	3° 2	15° 4	20°42	F 8
S 9	15 31 5	23°51'55	12♓50	5°50	12°34	9°33	26°57	17°35	0°34	29°16	9°13	1°56	2°59	15°11	20°45	S 9
S 10	15 35 2	24°49'25	26°16	7°37	13°47	10°16	27° 8	17°35	0°37	29°17	9°14	1°52	2°56	15°18	20°48	S 10
M11	15 38 58	25°46'53	10♈11	9°27	15° 1	10°59	27°19	17°34	0°41	29°18	9°15	1°46	2°53	15°24	20°52	M11
T 12	15 42 55	26°44'21	24°35	11°19	16°14	11°43	27°29	17°34	0°44	29°19	9°16	1°38	2°50	15°31	20°55	T 12
W13	15 46 52	27°41'49	9♉24	13°13	17°27	12°26	27°40	17°34	0°47	29°20	9°17	1°29	2°46	15°38	20°58	W13
T 14	15 50 48	28°39'15	24°30	15° 9	18°40	13° 8	27°50	17°D34	0°50	29°22	9°18	1°20	2°43	15°45	21° 1	T 14
F 15	15 54 45	29°36'40	9♊44	17° 7	19°53	13°51	28° 1	17°34	0°53	29°23	9°19	1°11	2°40	15°51	21° 4	F 15
S 16	15 58 41	0♊34'05	24°54	19° 8	21° 7	14°34	28°11	17°34	0°56	29°24	9°20	1° 5	2°37	15°58	21° 8	S 16
S 17	16 2 38	1°31'29	9♋51	21°10	22°20	15°17	28°21	17°34	0°59	29°26	9°21	1° 1	2°34	16° 5	21°11	S 17
M18	16 6 34	2°28'51	24°28	23°14	23°33	16° 0	28°31	17°34	1° 3	29°27	9°22	0°D59	2°31	16°11	21°14	M18
T 19	16 10 31	3°26'12	8♌41	25°20	24°46	16°42	28°41	17°35	1° 6	29°28	9°23	0°59	2°27	16°18	21°17	T 19
W20	16 14 27	4°23'32	22°30	27°28	25°59	17°25	28°50	17°35	1° 9	29°30	9°24	1° 0	2°24	16°25	21°20	W20
T 21	16 18 24	5°20'51	5♍54	29°37	27°12	18° 8	29° 0	17°36	1°12	29°31	9°25	1°R 0	2°21	16°31	21°23	T 21
F 22	16 22 21	6°18'09	18°56	1♎46	28°25	18°50	29°10	17°37	1°15	29°33	9°26	1° 0	2°18	16°38	21°26	F 22
S 23	16 26 17	7°15'26	1♏41	3°57	29°38	19°33	29°19	17°37	1°18	29°34	9°27	0°57	2°15	16°45	21°28	S 23
S 24	16 30 14	8°12'42	14°10	6° 9	0♋51	20°15	29°28	17°38	1°21	29°36	9°27	0°52	2°12	16°51	21°31	S 24
M25	16 34 10	9° 9'57	26°28	8°20	2° 4	20°57	29°37	17°39	1°24	29°37	9°28	0°45	2° 8	16°58	21°34	M25
T 26	16 38 7	10° 7'11	8♏36	10°32	3°16	21°40	29°46	17°41	1°26	29°39	9°29	0°37	2° 5	17° 5	21°37	T 26
W27	16 42 3	11° 4'25	20°36	12°44	4°29	22°22	29°55	17°42	1°29	29°40	9°30	0°27	2° 2	17°11	21°40	W27
T 28	16 46 0	12° 1'38	2♐32	14°55	5°42	23° 4	0♈ 4	17°43	1°32	29°42	9°31	0°18	1°59	17°18	21°42	T 28
F 29	16 49 56	12°58'50	14°24	17° 6	6°55	23°46	0°13	17°44	1°35	29°44	9°31	0°10	1°56	17°25	21°45	F 29
S 30	16 53 53	13°56'02	26°14	19°15	8° 8	24°28	0°21	17°46	1°38	29°45	9°32	0° 4	1°52	17°32	21°48	S 30
S 31	16 57 50	14♊53'14	8♑ 3	21♊23	9♋20	25♉10	0♈29	17♍48	1♉40	29♋47	9♈33	29♑59	1♒49	17♐38	21♈50	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	16n46	25s28	4s12	6n20	2s50	21n16	0n28	12n31	0s20	2s53	1s10	7n 9	2n28	11n 8	0s28	20n24	0s 2	11s54	16s54	19s44	19s29	26s30	8n59	1n 6	F 1
S 2	17 2	26 29	3 33	6 57	2 45	21 33	0 30	12 47	0 19	2 49	1 10	7 9	2 28	11 9	0 28	20 24	0 2	11 54	16 55	19 46	19 30	26 30	9 0	1 5	S 2
S 3	17 19	26 18	2 44	7 35	2 40	21 49	0 33	13 2	0 19	2 45	1 11	7 10	2 28	11 10	0 28	20 24	0 2	11 54	16 55	19 48	19 31	26 30	9 1	1 5	S 3
M 4	17 35	24 54	1 48	8 14	2 34	22 4	0 35	13 17	0 18	2 40	1 11	7 10	2 28	11 11	0 28	20 24	0 2	11 54	16 55	19 49	19 32	26 30	9 3	1 5	M 4
T 5	17 50	22 22	0 48	8 54	2 27	22 19	0 37	13 32	0 18	2 36	1 11	7 10	2 27	11 13	0 28	20 24	0 2	11 53	16 55	19 49	19 32	26 31	9 4	1 5	T 5
W 6	18 6	18 51	0n16	9 35	2 20	22 33	0 40	13 47	0 17	2 32	1 11	7 10	2 27	11 14	0 28	20 23	0 2	11 53	16 56	19 49	19 33	26 31	9 5	1 5	W 6
T 7	18 21	14 27	1 21	10 16	2 13	22 46	0 42	14 1	0 16	2 27	1 11	7 10	2 27	11 15	0 28	20 23	0 2	11 53	16 56	19 49	19 34	26 31	9 6	1 5	T 7
F 8	18 35	9 21	2 23	10 59	2 5	22 59	0 45	14 16	0 16	2 23	1 12	7 10	2 27	11 16	0 28	20 23	0 2	11 53	16 56	19 49	19 35	26 31	9 8	1 5	F 8
S 9	18 50	3 42	3 20	11 42	1 57	23 11	0 47	14 30	0 15	2 19	1 12	7 10	2 27	11 17	0 28	20 23	0 2	11 53	16 56	19 50	19 35	26 31	9 9	1 5	S 9
S 10	19 4	2n17	4 7	12 25	1 48	23 23	0 49	14 45	0 14	2 15	1 12	7 10	2 26	11 18	0 28	20 23	0 2	11 52	16 56	19 51	19 36	26 31	9 10	1 5	S 10
M11	19 18	8 23	4 42	13 9	1 39	23 34	0 51	14 59	0 14	2 11	1 12	7 10	2 26	11 19	0 28	20 22	0 2	11 52	16 57	19 52	19 37	26 32	9 11	1 5	M11
T 12	19 31	14 14	5 1	13 53	1 30	23 44	0 54	15 13	0 13	2 7	1 12	7 10	2 26	11 20	0 28	20 22	0 2	11 52	16 57	19 54	19 37	26 32	9 12	1 5	T 12
W13	19 45	19 26	5 1	14 37	1 20	23 53	0 56	15 27	0 12	2 3	1 13	7 10	2 26	11 22	0 28	20 22	0 2	11 52	16 57	19 56	19 38	26 32	9 14	1 5	W13
T 14	19 58	23 30	4 39	15 21	1 10	24 2	0 58	15 40	0 12	1 59	1 13	7 10	2 25	11 23	0 28	20 22	0 2	11 52	16 58	19 58	19 39	26 32	9 15	1 5	T 14
F 15	20 10	25 57	3 58	16 5	0 59	24 10	1 0	15 54	0 11	1 55	1 13	7 10	2 25	11 24	0 28	20 21	0 2	11 52	16 58	20 0	19 40	26 32	9 16	1 5	F 15
S 16	20 22	26 28	3 0	16 49	0 49	24 18	1 2	16 7	0 11	1 51	1 13	7 10	2 25	11 25	0 28	20 21	0 2	11 51	16 58	20 1	19 40	26 32	9 17	1 5	S 16
S 17	20 34	25 2	1 51	17 32	0 38	24 24	1 4	16 20	0 10	1 47	1 13	7 9	2 25	11 26	0 28	20 21	0 2	11 51	16 58	20 2	19 41	26 32	9 18	1 5	S 17
M18	20 46	21 54	0 35	18 14	0 27	24 30	1 7	16 34	0 9	1 43	1 14	7 9	2 25	11 27	0 28	20 21	0 2	11 51	16 59	20 2	19 42	26 33	9 19	1 5	M18
T 19	20 57	17 31	0s41	18 56	0 16	24 36	1 9	16 46	0 9	1 39	1 14	7 9	2 24	11 28	0 28	20 20	0 1	11 51	16 59	20 2	19 43	26 33	9 20	1 5	T 19
W20	21 8	12 19	1 53	19 36	0 6	24 40	1 10	16 59	0 8	1 36	1 14	7 8	2 24	11 29	0 28	20 20	0 1	11 51	16 59	20 2	19 43	26 33	9 22	1 5	W20
T 21	21 18	6 40	2 56	20 15	0n 5	24 44	1 12	17 12	0 7	1 32	1 14	7 8	2 24	11 30	0 28	20 20	0 1	11 51	16 59	20 2	19 44	26 33	9 23	1 5	T 21
F 22	21 28	0 54	3 48	20 53	0 16	24 47	1 14	17 24	0 7	1 29	1 15	7 7	2 24	11 31	0 28	20 19	0 1	11 51	17 0	20 2	19 45	26 33	9 24	1 5	F 22
S 23	21 38	4s46	4 28	21 28	0 26	24 50	1 16	17 36	0 6	1 25	1 15	7 7	2 24	11 32	0 28	20 19	0 1	11 51	17 0	20 3	19 45	26 33	9 25	1 5	S 23
S 24	21 47	10 7	4 54	22 2	0 36	24 51	1 18	17 49	0 5	1 21	1 15	7 6	2 23	11 33	0 28	20 19	0 1	11 51	17 0	20 4	19 46	26 33	9 26	1 5	S 24
M25	21 56	15 0	5 5	22 34	0 46	24 52	1 20	18 0	0 5	1 18	1 15	7 6	2 23	11 34	0 28	20 18	0 1	11 51	17 1	20 5	19 47	26 33	9 27	1 5	M25
T 26	22 5	19 13	5 3	23 3	0 55	24 52	1 21	18 12	0 4	1 15	1 15	7 5	2 23	11 35	0 28	20 18	0 1	11 51	17 1	20 7	19 48	26 33	9 28	1 5	T 26
W27	22 13	22 37	4 48	23 29	1 4	24 52	1 23	18 24	0 3	1 11	1 16	7 4	2 23	11 36	0 28	20 18	0 1	11 51	17 1	20 9	19 48	26 33	9 29	1 5	W27
T 28	22 21	25 1	4 20	23 54	1 12	24 50	1 25	18 35	0 3	1 8	1 16	7 4	2 23	11 37	0 28	20 17	0 1	11 51	17 2	20 11	19 49	26 33	9 30	1 5	T 28
F 29	22 28	26 17	3 41	24 15	1 20	24 48	1 26	18 46	0 2	1 5	1 16	7 3	2 22	11 38	0 28	20 17	0 1	11 51	17 2	20 13	19 50	26 33	9 31	1 5	F 29
S 30	22 35	26 22	2 52	24 34	1 27	24 46	1 28	18 57	0 2	1 2	1 16	7 2	2 22	11 39	0 28	20 17	0 1	11 51	17 2	20 14	19 50	26 33	9 32	1 5	S 30
S 31	22n42	25s14	1s56	24n49	1n33	24n42	1n29	19n 8	0s 1	0s59	1s17	7n 1	2n22	11n40	0s28	20n16	0s 1	11s51	17s 2	20s15	19s51	26s33	9n33	1n 5	S 31

Julian Day Number = 2121857.5, Delta T = 17m51s
Ecliptic obliquity = 23°33'28, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°09'23, Lahiri = 11°16'24 Julian Calendar 1 May 1097 == Greg. Calendar 7 May 1097

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1097
geocentric

JUNE 1097 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 1 46	15♊50'25	19♑56	23♊30	10♋33	25♉52	0♈38	17♍49	1♉43	29♋49	9♈33	29°R57	1♒46	17♐45	21♈53	M 1
T 2	17 5 43	16°47'36	1♒53	25°36	11°46	26°34	0°46	17°51	1°46	29°50	9°34	29°D56	1°43	17°52	21°55	T 2
W 3	17 9 39	17°44'47	13°59	27°40	12°59	27°16	0°54	17°53	1°48	29°52	9°35	29♑57	1°40	17°58	21°58	W 3
T 4	17 13 36	18°41'58	26°18	29°42	14°11	27°58	1° 1	17°55	1°51	29°54	9°35	29°59	1°37	18° 5	22° 0	T 4
F 5	17 17 32	19°39'08	8♓53	1♋42	15°24	28°40	1° 9	17°57	1°54	29°56	9°36	29°59	1°33	18°12	22° 3	F 5
S 6	17 21 29	20°36'19	21°50	3°40	16°36	29°21	1°17	17°59	1°56	29°57	9°37	0°R 0	1°30	18°18	22° 5	S 6
S 7	17 25 26	21°33'29	5♈11	5°36	17°49	0♊ 3	1°24	18° 2	1°59	29°59	9°37	29°59	1°27	18°25	22° 7	S 7
M 8	17 29 22	22°30'40	18°59	7°31	19° 1	0°44	1°31	18° 4	2° 1	0♌ 1	9°38	29°57	1°24	18°32	22°10	M 8
T 9	17 33 19	23°27'51	3♉15	9°23	20°14	1°26	1°38	18° 6	2° 4	0° 3	9°38	29°53	1°21	18°38	22°12	T 9
W10	17 37 15	24°25'02	17°56	11°13	21°26	2° 7	1°45	18° 9	2° 6	0° 5	9°39	29°49	1°17	18°45	22°14	W10
T 11	17 41 12	25°22'13	2♊57	13° 1	22°39	2°49	1°52	18°12	2° 9	0° 7	9°39	29°44	1°14	18°52	22°16	T 11
F 12	17 45 8	26°19'24	18° 8	14°47	23°51	3°30	1°59	18°14	2°11	0° 9	9°40	29°39	1°11	18°58	22°18	F 12
S 13	17 49 5	27°16'35	3♋21	16°30	25° 4	4°12	2° 5	18°17	2°13	0°11	9°40	29°36	1° 8	19° 5	22°20	S 13
S 14	17 53 1	28°13'47	18°26	18°12	26°16	4°53	2°12	18°20	2°16	0°12	9°41	29°34	1° 5	19°12	22°22	S 14
M15	17 56 58	29°10'58	3♌13	19°52	27°29	5°34	2°18	18°23	2°18	0°14	9°41	29°D34	1° 2	19°18	22°24	M15
T 16	18 0 55	0♋ 8'09	17°37	21°29	28°41	6°15	2°24	18°26	2°20	0°16	9°41	29°35	0°58	19°25	22°26	T 16
W17	18 4 51	1° 5'19	1♍34	23° 4	29°53	6°56	2°29	18°30	2°22	0°18	9°42	29°36	0°55	19°32	22°28	W17
T 18	18 8 48	2° 2'30	15° 6	24°37	1♌ 5	7°37	2°35	18°33	2°24	0°20	9°42	29°37	0°52	19°38	22°30	T 18
F 19	18 12 44	2°59'40	28°12	26° 8	2°18	8°18	2°41	18°36	2°26	0°22	9°42	29°R38	0°49	19°45	22°31	F 19
S 20	18 16 41	3°56'51	10♎57	27°37	3°30	8°59	2°46	18°40	2°28	0°24	9°43	29°38	0°46	19°52	22°33	S 20
S 21	18 20 37	4°54'01	23°24	29° 3	4°42	9°40	2°51	18°43	2°30	0°26	9°43	29°37	0°43	19°59	22°35	S 21
M22	18 24 34	5°51'11	5♏36	0♌28	5°54	10°21	2°56	18°47	2°32	0°29	9°43	29°35	0°39	20° 5	22°36	M22
T 23	18 28 30	6°48'22	17°38	1°50	7° 6	11° 2	3° 1	18°51	2°34	0°31	9°44	29°32	0°36	20°12	22°38	T 23
W24	18 32 27	7°45'32	29°33	3°10	8°18	11°43	3° 6	18°54	2°36	0°33	9°44	29°28	0°33	20°19	22°39	W24
T 25	18 36 24	8°42'43	11♐25	4°27	9°30	12°23	3°10	18°58	2°38	0°35	9°44	29°25	0°30	20°25	22°41	T 25
F 26	18 40 20	9°39'54	23°14	5°42	10°42	13° 4	3°14	19° 2	2°40	0°37	9°44	29°22	0°27	20°32	22°42	F 26
S 27	18 44 17	10°37'05	5♑ 5	6°55	11°54	13°44	3°18	19° 6	2°42	0°39	9°44	29°20	0°24	20°39	22°44	S 27
S 28	18 48 13	11°34'17	16°59	8° 5	13° 6	14°25	3°22	19°10	2°43	0°41	9°44	29°18	0°20	20°45	22°45	S 28
M29	18 52 10	12°31'30	28°59	9°12	14°18	15° 5	3°26	19°15	2°45	0°43	9°45	29°D18	0°17	20°52	22°46	M29
T 30	18 56 6	13♋28'43	11♒ 5	10♌17	15♌29	15♊46	3♈30	19♍19	2♉47	0♌45	9♈45	29♑18	0♒14	20♐59	22♈47	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n48	22s58	0s54	25n 2	1n38	24n38	1n30	19n19	0s 0	0s55	1s17	7n 0	2n22	11n41	0s28	20n16	0s 1	11s51	17s 3	20s16	19s52	26s33	9n34	1n 5
T 2	22 54	19 40	0n11	25 12	1 43	24 33	1 32	19 29	0n 0	0 52	1 17	7 0	2 21	11 42	0 28	20 16	0 1	11 51	17 3	20 16	19 53	26 33	9 35	1 5
W 3	22 59	15 30	1 16	25 20	1 48	24 28	1 33	19 40	0 1	0 50	1 17	6 59	2 21	11 43	0 28	20 15	0 1	11 51	17 3	20 16	19 53	26 33	9 36	1 5
T 4	23 4	10 39	2 18	25 24	1 51	24 21	1 34	19 50	0 2	0 47	1 18	6 58	2 21	11 44	0 29	20 15	0 1	11 51	17 4	20 15	19 54	26 33	9 36	1 4
F 5	23 9	5 15	3 16	25 26	1 54	24 14	1 35	20 0	0 2	0 44	1 18	6 57	2 21	11 45	0 29	20 15	0 1	11 51	17 4	20 15	19 55	26 33	9 37	1 4
S 6	23 13	0n30	4 5	25 26	1 56	24 7	1 36	20 10	0 3	0 41	1 18	6 56	2 21	11 46	0 29	20 14	0 1	11 51	17 4	20 15	19 55	26 33	9 38	1 4
S 7	23 17	6 23	4 43	25 23	1 57	23 58	1 37	20 19	0 4	0 38	1 18	6 54	2 20	11 46	0 29	20 14	0 1	11 51	17 5	20 15	19 56	26 33	9 39	1 4
M 8	23 21	12 11	5 6	25 18	1 57	23 49	1 38	20 29	0 4	0 36	1 19	6 53	2 20	11 47	0 29	20 14	0 1	11 51	17 5	20 16	19 57	26 33	9 40	1 4
T 9	23 24	17 31	5 11	25 10	1 57	23 39	1 39	20 38	0 5	0 33	1 19	6 52	2 20	11 48	0 29	20 13	0 1	11 51	17 5	20 16	19 58	26 33	9 41	1 4
W10	23 26	21 59	4 56	25 1	1 56	23 29	1 40	20 47	0 6	0 31	1 19	6 51	2 20	11 49	0 29	20 13	0 1	11 51	17 6	20 17	19 58	26 33	9 42	1 4
T 11	23 29	25 7	4 21	24 49	1 55	23 17	1 40	20 56	0 6	0 28	1 20	6 50	2 20	11 50	0 29	20 12	0 1	11 52	17 6	20 18	19 59	26 33	9 42	1 4
F 12	23 30	26 28	3 27	24 36	1 53	23 6	1 41	21 4	0 7	0 26	1 20	6 48	2 19	11 51	0 29	20 12	0 1	11 52	17 6	20 19	20 0	26 33	9 43	1 4
S 13	23 32	25 49	2 18	24 21	1 50	22 53	1 41	21 13	0 8	0 23	1 20	6 47	2 19	11 51	0 29	20 12	0 1	11 52	17 7	20 20	20 0	26 33	9 44	1 4
S 14	23 33	23 17	1 1	24 4	1 47	22 40	1 42	21 21	0 8	0 21	1 20	6 46	2 19	11 52	0 29	20 11	0 1	11 52	17 7	20 20	20 1	26 33	9 45	1 4
M15	23 33	19 13	0s20	23 46	1 43	22 26	1 42	21 29	0 9	0 19	1 21	6 44	2 19	11 53	0 29	20 11	0 1	11 52	17 7	20 21	20 2	26 33	9 45	1 4
T 16	23 33	14 5	1 37	23 27	1 38	22 12	1 43	21 37	0 10	0 17	1 21	6 43	2 19	11 54	0 29	20 10	0 1	11 52	17 8	20 20	20 2	26 32	9 46	1 4
W17	23 33	8 22	2 47	23 6	1 33	21 57	1 43	21 45	0 10	0 15	1 21	6 42	2 18	11 54	0 29	20 10	0 1	11 52	17 8	20 20	20 3	26 32	9 47	1 4
T 18	23 32	2 27	3 44	22 44	1 27	21 41	1 43	21 52	0 11	0 13	1 21	6 40	2 18	11 55	0 29	20 10	0 1	11 53	17 9	20 20	20 4	26 32	9 47	1 4
F 19	23 31	3s23	4 28	22 21	1 21	21 25	1 43	22 0	0 12	0 11	1 22	6 39	2 18	11 56	0 29	20 9	0 1	11 53	17 9	20 20	20 4	26 32	9 48	1 4
S 20	23 30	8 55	4 58	21 57	1 14	21 8	1 43	22 7	0 12	0 9	1 22	6 37	2 18	11 57	0 29	20 9	0 1	11 53	17 9	20 20	20 5	26 32	9 49	1 4
S 21	23 28	13 57	5 12	21 33	1 7	20 51	1 43	22 13	0 13	0 7	1 22	6 36	2 18	11 57	0 29	20 8	0 1	11 53	17 10	20 20	20 6	26 32	9 49	1 4
M22	23 26	18 21	5 12	21 7	0 59	20 33	1 43	22 20	0 14	0 5	1 23	6 34	2 17	11 58	0 29	20 8	0 1	11 53	17 10	20 20	20 7	26 32	9 50	1 4
T 23	23 23	21 57	4 59	20 41	0 51	20 15	1 43	22 27	0 14	0 4	1 23	6 32	2 17	11 59	0 29	20 7	0 1	11 54	17 10	20 21	20 7	26 31	9 50	1 4
W24	23 20	24 35	4 32	20 14	0 43	19 55	1 42	22 33	0 15	0 2	1 23	6 31	2 17	11 59	0 29	20 7	0 1	11 54	17 11	20 22	20 8	26 31	9 51	1 4
T 25	23 16	26 7	3 54	19 47	0 34	19 36	1 42	22 39	0 16	0 1	1 23	6 29	2 17	12 0	0 29	20 7	0 1	11 54	17 11	20 22	20 9	26 31	9 51	1 4
F 26	23 12	26 29	3 6	19 20	0 24	19 16	1 41	22 45	0 16	0n 1	1 24	6 27	2 17	12 0	0 29	20 6	0 1	11 54	17 11	20 23	20 9	26 31	9 52	1 4
S 27	23 8	25 37	2 10	18 52	0 14	18 55	1 41	22 51	0 17	0 2	1 24	6 25	2 17	12 1	0 29	20 6	0 1	11 55	17 12	20 24	20 10	26 31	9 52	1 4
S 28	23 3	23 35	1 7	18 24	0 4	18 34	1 40	22 56	0 18	0 4	1 24	6 24	2 16	12 2	0 29	20 5	0 1	11 55	17 12	20 24	20 11	26 31	9 53	1 4
M29	22 58	20 30	0 2	17 56	0s 6	18 13	1 40	23 1	0 18	0 5	1 25	6 22	2 16	12 2	0 29	20 5	0 1	11 55	17 12	20 24	20 11	26 30	9 53	1 4
T 30	22n52	16s30	1n 5	17n29	0s17	17n51	1n39	23n 6	0n19	0n 6	1s25	6n20	2n16	12n 3	0s29	20n 4	0s 1	11s56	17s13	20s24	20s12	26s30	9n54	1n 4

Julian Day Number = 2121888.5, Delta T = 17m51s
Ecliptic obliquity = 23°33'27, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°09'28, Lahiri = 11°16'28 Julian Calendar 1 June 1097 == Greg. Calendar 7 June 1097

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1097
geocentric

JULY 1097 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 0 3	14♋25'56	23♒21	11♌19	16♌41	16♊26	3♈33	19♍23	2♉48	0♌48	9♈45	29♏19	0♒11	21♐ 5	22♈49	W 1
T 2	19 3 59	15°23'10	5♓50	12°18	17°53	17° 6	3°36	19°28	2°50	0°50	9°45	29°20	0° 8	21°12	22°50	T 2
F 3	19 7 56	16°20'25	18°33	13°14	19° 5	17°47	3°39	19°32	2°51	0°52	9°45	29°21	0° 4	21°19	22°51	F 3
S 4	19 11 53	17°17'41	1♈33	14° 7	20°16	18°27	3°42	19°37	2°53	0°54	9°R45	29°22	0° 1	21°25	22°52	S 4
S 5	19 15 49	18°14'58	14°54	14°57	21°28	19° 7	3°45	19°41	2°54	0°56	9°45	29°R23	29♑58	21°32	22°53	S 5
M 6	19 19 46	19°12'16	28°36	15°44	22°39	19°47	3°47	19°46	2°56	0°58	9°45	29°22	29°55	21°39	22°54	M 6
T 7	19 23 42	20° 9'35	12♉41	16°27	23°51	20°27	3°50	19°51	2°57	1° 1	9°45	29°22	29°52	21°45	22°54	T 7
W 8	19 27 39	21° 6'55	27° 7	17° 6	25° 2	21° 7	3°52	19°56	2°58	1° 3	9°45	29°21	29°49	21°52	22°55	W 8
T 9	19 31 35	22° 4'16	11♊51	17°42	26°14	21°47	3°54	20° 1	2°59	1° 5	9°45	29°20	29°45	21°59	22°56	T 9
F 10	19 35 32	23° 1'39	26°46	18°13	27°25	22°27	3°55	20° 6	3° 1	1° 7	9°44	29°20	29°42	22° 5	22°57	F 10
S 11	19 39 29	23°59'02	11♋47	18°40	28°36	23° 7	3°57	20°11	3° 2	1° 9	9°44	29°19	29°39	22°12	22°57	S 11
S 12	19 43 25	24°56'26	26°44	19° 3	29°48	23°47	3°58	20°16	3° 3	1°12	9°44	29°D19	29°36	22°19	22°58	S 12
M13	19 47 22	25°53'52	11♌29	19°21	0♍59	24°26	3°59	20°21	3° 4	1°14	9°44	29°19	29°33	22°25	22°58	M13
T 14	19 51 18	26°51'18	25°55	19°35	2°10	25° 6	4° 0	20°26	3° 5	1°16	9°44	29°19	29°30	22°32	22°59	T 14
W15	19 55 15	27°48'44	9♍58	19°44	3°21	25°46	4° 1	20°32	3° 6	1°18	9°44	29°19	29°26	22°39	22°59	W15
T 16	19 59 11	28°46'12	23°35	19°R47	4°32	26°25	4° 1	20°37	3° 7	1°20	9°43	29°19	29°23	22°45	22°59	T 16
F 17	20 3 8	29°43'40	6♎48	19°46	5°43	27° 5	4° 2	20°43	3° 8	1°23	9°43	29°R19	29°20	22°52	23° 0	F 17
S 18	20 7 4	0♌41'09	19°36	19°39	6°54	27°44	4°R 2	20°48	3° 8	1°25	9°43	29°19	29°17	22°59	23° 0	S 18
S 19	20 11 1	1°38'39	2♏ 5	19°26	8° 5	28°24	4° 2	20°54	3° 9	1°27	9°42	29°D19	29°14	23° 5	23° 0	S 19
M20	20 14 58	2°36'10	14°17	19° 9	9°16	29° 3	4° 2	20°59	3°10	1°29	9°42	29°19	29°10	23°12	23° 0	M20
T 21	20 18 54	3°33'42	26°17	18°46	10°27	29°42	4° 1	21° 5	3°10	1°32	9°42	29°20	29° 7	23°19	23°R 0	T 21
W22	20 22 51	4°31'14	8♐10	18°18	11°37	0♋21	4° 0	21°11	3°11	1°34	9°41	29°20	29° 4	23°25	23° 0	W22
T 23	20 26 47	5°28'48	20° 0	17°45	12°48	1° 1	4° 0	21°17	3°12	1°36	9°41	29°21	29° 1	23°32	23° 0	T 23
F 24	20 30 44	6°26'23	1♑50	17° 7	13°59	1°40	3°59	21°23	3°12	1°38	9°41	29°21	28°58	23°39	23° 0	F 24
S 25	20 34 40	7°23'59	13°45	16°25	15° 9	2°19	3°57	21°28	3°13	1°41	9°40	29°22	28°55	23°46	23° 0	S 25
S 26	20 38 37	8°21'36	25°46	15°40	16°20	2°58	3°56	21°34	3°13	1°43	9°40	29°R22	28°51	23°52	23° 0	S 26
M27	20 42 33	9°19'14	7♒55	14°52	17°30	3°37	3°54	21°40	3°13	1°45	9°39	29°22	28°48	23°59	22°59	M27
T 28	20 46 30	10°16'54	20°16	14° 2	18°40	4°16	3°52	21°47	3°14	1°47	9°39	29°22	28°45	24° 6	22°59	T 28
W29	20 50 27	11°14'35	2♓49	13°11	19°51	4°55	3°50	21°53	3°14	1°49	9°38	29°21	28°42	24°12	22°59	W29
T 30	20 54 23	12°12'17	15°34	12°19	21° 1	5°33	3°48	21°59	3°14	1°52	9°38	29°19	28°39	24°19	22°58	T 30
F 31	20 58 20	13♌10'01	28♓33	11♌28	22♍11	6♋12	3♈46	22♍ 5	3♉14	1♌54	9♈37	29♑17	28♑35	24♐26	22♈58	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n46	11s46	2n 9	17n 1	0s28	17n28	1n38	23n11	0n20	0n 7	1s25	6n18	2n16	12n 3	0s29	20n 4	0s 1	11s56	17s13	20s24	20s13	26s30	9n54	1n 4
T 2	22 40	6 30	3 9	16 33	0 40	17 5	1 37	23 16	0 20	0 8	1 25	6 16	2 16	12 4	0 29	20 3	0 1	11 56	17 14	20 23	20 13	26 30	9 55	1 4
F 3	22 33	0 52	4 0	16 6	0 52	16 42	1 36	23 20	0 21	0 9	1 26	6 14	2 16	12 4	0 29	20 3	0 1	11 56	17 14	20 23	20 14	26 29	9 55	1 4
S 4	22 26	4n54	4 40	15 39	1 4	16 18	1 35	23 25	0 22	0 10	1 26	6 12	2 15	12 5	0 29	20 2	0 1	11 57	17 14	20 23	20 15	26 29	9 55	1 4
S 5	22 18	10 36	5 7	15 13	1 16	15 54	1 34	23 29	0 22	0 11	1 26	6 10	2 15	12 5	0 29	20 2	0 1	11 57	17 15	20 23	20 15	26 29	9 56	1 4
M 6	22 10	15 57	5 17	14 48	1 28	15 29	1 32	23 33	0 23	0 11	1 27	6 8	2 15	12 6	0 29	20 2	0 1	11 57	17 15	20 23	20 16	26 29	9 56	1 4
T 7	22 2	20 37	5 8	14 23	1 41	15 4	1 31	23 36	0 24	0 12	1 27	6 6	2 15	12 6	0 29	20 1	0 1	11 58	17 15	20 23	20 17	26 28	9 56	1 4
W 8	21 53	24 10	4 41	13 59	1 54	14 39	1 29	23 40	0 24	0 13	1 27	6 4	2 15	12 6	0 29	20 1	0 1	11 58	17 16	20 23	20 17	26 28	9 57	1 4
T 9	21 44	26 11	3 54	13 36	2 7	14 13	1 28	23 43	0 25	0 13	1 28	6 2	2 15	12 7	0 29	20 0	0 1	11 59	17 16	20 23	20 18	26 28	9 57	1 4
F 10	21 35	26 22	2 51	13 14	2 19	13 47	1 26	23 46	0 26	0 13	1 28	6 0	2 14	12 7	0 29	20 0	0 1	11 59	17 16	20 24	20 19	26 28	9 57	1 4
S 11	21 25	24 37	1 36	12 53	2 32	13 20	1 24	23 49	0 26	0 14	1 28	5 58	2 14	12 8	0 29	19 59	0 1	11 59	17 17	20 24	20 19	26 27	9 57	1 4
S 12	21 15	21 9	0 14	12 34	2 45	12 53	1 23	23 52	0 27	0 14	1 28	5 56	2 14	12 8	0 29	19 59	0 1	12 0	17 17	20 24	20 20	26 27	9 58	1 4
M13	21 4	16 21	1s 7	12 16	2 58	12 26	1 21	23 54	0 28	0 14	1 29	5 53	2 14	12 8	0 29	19 58	0 1	12 0	17 17	20 24	20 21	26 27	9 58	1 4
T 14	20 53	10 43	2 22	12 0	3 10	11 59	1 19	23 56	0 28	0 14	1 29	5 51	2 14	12 9	0 29	19 58	0 1	12 0	17 18	20 24	20 21	26 26	9 58	1 4
W15	20 42	4 40	3 27	11 46	3 23	11 31	1 17	23 58	0 29	0 14	1 29	5 49	2 14	12 9	0 29	19 57	0 1	12 1	17 18	20 24	20 22	26 26	9 58	1 4
T 16	20 30	1s23	4 18	11 34	3 34	11 3	1 15	24 0	0 30	0 14	1 30	5 47	2 14	12 9	0 29	19 57	0 1	12 1	17 18	20 24	20 23	26 26	9 58	1 4
F 17	20 18	7 12	4 53	11 23	3 46	10 35	1 12	24 2	0 30	0 14	1 30	5 44	2 13	12 10	0 29	19 56	0 1	12 2	17 19	20 24	20 23	26 25	9 58	1 4
S 18	20 6	12 31	5 13	11 15	3 57	10 6	1 10	24 3	0 31	0 14	1 30	5 42	2 13	12 10	0 29	19 56	0 1	12 2	17 19	20 24	20 24	26 25	9 58	1 4
S 19	19 54	17 12	5 17	11 9	4 7	9 38	1 8	24 5	0 32	0 14	1 31	5 40	2 13	12 10	0 29	19 55	0 1	12 3	17 19	20 24	20 25	26 25	9 58	1 4
M20	19 41	21 5	5 7	11 6	4 16	9 9	1 5	24 6	0 32	0 13	1 31	5 37	2 13	12 10	0 29	19 55	0 1	12 3	17 20	20 24	20 25	26 24	9 58	1 4
T 21	19 27	24 0	4 43	11 5	4 24	8 39	1 3	24 6	0 33	0 13	1 31	5 35	2 13	12 10	0 29	19 54	0 1	12 3	17 20	20 24	20 26	26 24	9 58	1 4
W22	19 14	25 51	4 8	11 7	4 31	8 10	1 0	24 7	0 34	0 12	1 31	5 33	2 13	12 11	0 29	19 54	0 1	12 4	17 20	20 23	20 27	26 24	9 58	1 4
T 23	19 0	26 32	3 22	11 12	4 37	7 40	0 58	24 8	0 34	0 12	1 32	5 30	2 13	12 11	0 29	19 53	0 1	12 4	17 21	20 23	20 27	26 23	9 58	1 4
F 24	18 45	26 0	2 27	11 19	4 41	7 11	0 55	24 8	0 35	0 11	1 32	5 28	2 12	12 11	0 29	19 53	0 1	12 5	17 21	20 23	20 28	26 23	9 58	1 4
S 25	18 31	24 16	1 26	11 28	4 44	6 41	0 52	24 8	0 36	0 10	1 32	5 25	2 12	12 11	0 29	19 52	0 1	12 5	17 21	20 23	20 29	26 22	9 58	1 4
S 26	18 16	21 26	0 20	11 40	4 45	6 11	0 49	24 8	0 36	0 9	1 33	5 23	2 12	12 11	0 29	19 52	0 1	12 6	17 22	20 23	20 29	26 22	9 58	1 4
M27	18 1	17 37	0n47	11 55	4 45	5 40	0 46	24 7	0 37	0 8	1 33	5 20	2 12	12 11	0 29	19 51	0 1	12 6	17 22	20 23	20 30	26 22	9 58	1 4
T 28	17 45	13 1	1 53	12 12	4 42	5 10	0 43	24 7	0 38	0 7	1 33	5 18	2 12	12 11	0 29	19 51	0 1	12 7	17 22	20 23	20 31	26 21	9 58	1 4
W29	17 29	7 48	2 55	12 30	4 38	4 39	0 40	24 6	0 38	0 6	1 34	5 15	2 12	12 12	0 29	19 50	0 1	12 7	17 23	20 23	20 31	26 21	9 58	1 4
T 30	17 13	2 12	3 49	12 50	4 32	4 9	0 37	24 5	0 39	0 5	1 34	5 13	2 12	12 12	0 29	19 50	0 1	12 8	17 23	20 24	20 32	26 20	9 57	1 4
F 31	16n57	3n35	4n32	13n12	4s23	3n38	0n34	24n 4	0n40	0n 4	1s34	5n10	2n12	12n12	0s29	19n50	0s 1	12s 8	17s23	20s24	20s33	26s20	9n57	1n 4

Julian Day Number = 2121918.5, Delta T = 17m50s
Ecliptic obliquity = 23°33'27, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°09'32, Lahiri = 11°16'32 Julian Calendar 1 July 1097 == Greg. Calendar 7 July 1097

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1097
geocentric

AUGUST 1097 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 2 16	14♌ 7'47	11♈47	10°R40	23♍21	6♋51	3°R43	22♍11	3♉14	1♎56	9°R37	29°R15	28♑32	24♐32	22°R57	S 1
S 2	21 6 13	15° 5'34	25°16	9♎53	24°31	7°30	3♈40	22°18	3°14	1°58	9♈36	29♑14	28°29	24°39	22♈56	S 2
M 3	21 10 9	16° 3'23	8♉59	9°11	25°41	8° 8	3°37	22°24	3°R14	2° 0	9°35	29°13	28°26	24°46	22°56	M 3
T 4	21 14 6	17° 1'14	22°57	8°34	26°51	8°47	3°34	22°30	3°14	2° 2	9°35	29°D13	28°23	24°52	22°55	T 4
W 5	21 18 2	17°59'07	7♊10	8° 2	28° 1	9°25	3°31	22°37	3°14	2° 5	9°34	29°14	28°20	24°59	22°54	W 5
T 6	21 21 59	18°57'02	21°34	7°37	29°10	10° 4	3°27	22°43	3°14	2° 7	9°34	29°15	28°16	25° 6	22°53	T 6
F 7	21 25 56	19°54'59	6♋ 6	7°19	0♏20	10°42	3°23	22°50	3°14	2° 9	9°33	29°16	28°13	25°12	22°53	F 7
S 8	21 29 52	20°52'58	20°44	7° 8	1°29	11°21	3°19	22°57	3°14	2°11	9°32	29°17	28°10	25°19	22°52	S 8
S 9	21 33 49	21°50'58	5♎20	7°D 5	2°39	11°59	3°15	23° 3	3°13	2°13	9°32	29°R17	28° 7	25°26	22°51	S 9
M10	21 37 45	22°49'00	19°49	7°10	3°48	12°37	3°11	23°10	3°13	2°15	9°31	29°16	28° 4	25°32	22°50	M10
T 11	21 41 42	23°47'04	4♍ 5	7°24	4°57	13°15	3° 6	23°17	3°13	2°17	9°30	29°14	28° 1	25°39	22°48	T 11
W12	21 45 38	24°45'09	18° 3	7°45	6° 7	13°53	3° 2	23°23	3°12	2°20	9°29	29°11	27°57	25°46	22°47	W12
T 13	21 49 35	25°43'15	1♏40	8°16	7°16	14°31	2°57	23°30	3°12	2°22	9°29	29° 7	27°54	25°52	22°46	T 13
F 14	21 53 31	26°41'24	14°54	8°54	8°25	15° 9	2°52	23°37	3°11	2°24	9°28	29° 3	27°51	25°59	22°45	F 14
S 15	21 57 28	27°39'34	27°45	9°40	9°34	15°47	2°47	23°44	3°11	2°26	9°27	28°59	27°48	26° 6	22°43	S 15
S 16	22 1 25	28°37'45	10♏15	10°34	10°43	16°25	2°41	23°51	3°10	2°28	9°26	28°56	27°45	26°12	22°42	S 16
M17	22 5 21	29°35'58	22°28	11°35	11°51	17° 3	2°36	23°57	3° 9	2°30	9°25	28°55	27°41	26°19	22°41	M17
T 18	22 9 18	0♐34'13	4♐29	12°43	13° 0	17°41	2°30	24° 4	3° 9	2°32	9°24	28°D55	27°38	26°26	22°39	T 18
W19	22 13 14	1°32'29	16°21	13°58	14° 8	18°19	2°25	24°11	3° 8	2°34	9°24	28°55	27°35	26°32	22°38	W19
T 20	22 17 11	2°30'47	28°11	15°18	15°17	18°56	2°19	24°18	3° 7	2°36	9°23	28°57	27°32	26°39	22°36	T 20
F 21	22 21 7	3°29'06	10♑ 3	16°44	16°25	19°34	2°13	24°25	3° 6	2°38	9°22	28°59	27°29	26°46	22°35	F 21
S 22	22 25 4	4°27'27	22° 0	18°14	17°33	20°11	2° 6	24°32	3° 5	2°40	9°21	29° 0	27°26	26°52	22°33	S 22
S 23	22 29 0	5°25'50	4♒ 8	19°49	18°41	20°49	2° 0	24°39	3° 4	2°42	9°20	29°R 0	27°22	26°59	22°31	S 23
M24	22 32 57	6°24'14	16°30	21°27	19°49	21°26	1°54	24°47	3° 3	2°44	9°19	28°59	27°19	27° 6	22°29	M24
T 25	22 36 54	7°22'40	29° 6	23° 9	20°57	22° 4	1°47	24°54	3° 2	2°46	9°18	28°55	27°16	27°12	22°28	T 25
W26	22 40 50	8°21'08	11♓58	24°53	22° 5	22°41	1°40	25° 1	3° 1	2°47	9°17	28°50	27°13	27°19	22°26	W26
T 27	22 44 47	9°19'38	25° 6	26°40	23°12	23°18	1°33	25° 8	3° 0	2°49	9°16	28°44	27°10	27°26	22°24	T 27
F 28	22 48 43	10°18'10	8♈30	28°28	24°20	23°55	1°26	25°15	2°59	2°51	9°15	28°37	27° 7	27°32	22°22	F 28
S 29	22 52 40	11°16'44	22° 6	0♍17	25°27	24°33	1°19	25°22	2°57	2°53	9°14	28°30	27° 3	27°39	22°20	S 29
S 30	22 56 36	12°15'21	5♉52	2° 8	26°34	25°10	1°12	25°30	2°56	2°55	9°13	28°25	27° 0	27°46	22°18	S 30
M31	23 0 33	13♍13'59	19♉47	3♍59	27♏41	25♋47	1♈ 5	25♍37	2♉55	2♎57	9♈12	28♑20	26♑57	27♐52	22♈16	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	16n40	9n18	5n 1	13n35	4s14	3n 7	0n30	24n 3	0n40	0n 3	1s34	5n 8	2n12	12n12	0s29	19n49	0s 1	12s 9	17s24	20s24	20s33	26s19	9n57	1n 4	S 1
S 2	16 23	14 42	5 15	13 58	4 2	2 36	0 27	24 2	0 41	0 1	1 35	5 5	2 12	12 12	0 29	19 49	0 1	12 9	17 24	20 25	20 34	26 19	9 57	1 4	S 2
M 3	16 6	19 28	5 11	14 22	3 49	2 5	0 24	24 0	0 42	0s 0	1 35	5 2	2 11	12 12	0 29	19 48	0 1	12 10	17 24	20 25	20 35	26 19	9 57	1 4	M 3
T 4	15 49	23 16	4 49	14 46	3 34	1 34	0 20	23 58	0 42	0 2	1 35	5 0	2 11	12 12	0 29	19 48	0 1	12 10	17 24	20 25	20 35	26 18	9 56	1 4	T 4
W 5	15 31	25 43	4 9	15 9	3 19	1 3	0 17	23 56	0 43	0 3	1 35	4 57	2 11	12 12	0 29	19 47	0 1	12 11	17 25	20 25	20 36	26 18	9 56	1 4	W 5
T 6	15 13	26 30	3 13	15 31	3 2	0 32	0 13	23 54	0 44	0 5	1 36	4 54	2 11	12 11	0 30	19 47	0 1	12 11	17 25	20 25	20 37	26 17	9 56	1 4	T 6
F 7	14 55	25 29	2 4	15 53	2 45	0 1	0 9	23 52	0 44	0 7	1 36	4 52	2 11	12 11	0 30	19 46	0 1	12 12	17 25	20 24	20 37	26 17	9 55	1 4	F 7
S 8	14 36	22 43	0 47	16 13	2 27	0s31	0 5	23 49	0 45	0 9	1 36	4 49	2 11	12 11	0 30	19 46	0 1	12 12	17 26	20 24	20 38	26 16	9 55	1 4	S 8
S 9	14 18	18 29	0s33	16 31	2 9	1 2	0 2	23 46	0 46	0 10	1 36	4 46	2 11	12 11	0 30	19 45	0 1	12 13	17 26	20 24	20 38	26 16	9 54	1 4	S 9
M10	13 59	13 12	1 51	16 47	1 50	1 33	0s 2	23 44	0 46	0 12	1 37	4 44	2 11	12 11	0 30	19 45	0 1	12 13	17 26	20 24	20 39	26 15	9 54	1 4	M10
T 11	13 40	7 16	3 0	17 2	1 32	2 4	0 6	23 41	0 47	0 14	1 37	4 41	2 11	12 11	0 30	19 44	0 1	12 14	17 26	20 25	20 40	26 15	9 54	1 3	T 11
W12	13 20	1 7	3 57	17 13	1 14	2 35	0 10	23 37	0 48	0 16	1 37	4 38	2 11	12 11	0 30	19 44	0 1	12 14	17 27	20 25	20 40	26 14	9 53	1 3	W12
T 13	13 1	4s55	4 38	17 23	0 57	3 7	0 14	23 34	0 48	0 19	1 37	4 35	2 11	12 11	0 30	19 43	0 1	12 15	17 27	20 26	20 41	26 14	9 53	1 3	T 13
F 14	12 41	10 34	5 4	17 29	0 39	3 38	0 18	23 30	0 49	0 21	1 38	4 33	2 11	12 10	0 30	19 43	0 0	12 15	17 27	20 27	20 42	26 13	9 52	1 3	F 14
S 15	12 21	15 35	5 13	17 33	0 23	4 9	0 22	23 27	0 50	0 23	1 38	4 30	2 10	12 10	0 30	19 42	0 0	12 16	17 27	20 28	20 42	26 12	9 52	1 3	S 15
S 16	12 1	19 49	5 7	17 33	0 7	4 40	0 26	23 23	0 51	0 25	1 38	4 27	2 10	12 10	0 30	19 42	0 0	12 16	17 28	20 28	20 43	26 12	9 51	1 3	S 16
M17	11 40	23 6	4 47	17 31	0n 8	5 11	0 30	23 19	0 51	0 28	1 38	4 24	2 10	12 10	0 30	19 42	0 0	12 17	17 28	20 29	20 44	26 11	9 51	1 3	M17
T 18	11 20	25 19	4 15	17 25	0 22	5 41	0 35	23 14	0 52	0 30	1 39	4 21	2 10	12 9	0 30	19 41	0 0	12 17	17 28	20 29	20 44	26 11	9 50	1 3	T 18
W19	10 59	26 22	3 32	17 16	0 35	6 12	0 39	23 10	0 53	0 33	1 39	4 19	2 10	12 9	0 30	19 41	0 0	12 18	17 28	20 29	20 45	26 10	9 49	1 3	W19
T 20	10 38	26 13	2 41	17 4	0 46	6 42	0 43	23 5	0 53	0 35	1 39	4 16	2 10	12 9	0 30	19 40	0 0	12 18	17 29	20 28	20 45	26 10	9 49	1 3	T 20
F 21	10 17	24 52	1 42	16 49	0 57	7 13	0 47	23 1	0 54	0 38	1 39	4 13	2 10	12 8	0 30	19 40	0 0	12 19	17 29	20 28	20 46	26 9	9 48	1 3	F 21
S 22	9 55	22 23	0 38	16 30	1 7	7 43	0 52	22 56	0 55	0 41	1 39	4 10	2 10	12 8	0 30	19 39	0 0	12 20	17 29	20 28	20 47	26 8	9 48	1 3	S 22
S 23	9 34	18 52	0n28	16 9	1 16	8 13	0 56	22 51	0 55	0 43	1 39	4 7	2 10	12 8	0 30	19 39	0 0	12 20	17 29	20 28	20 47	26 8	9 47	1 3	S 23
M24	9 12	14 29	1 34	15 44	1 24	8 43	1 0	22 46	0 56	0 46	1 40	4 4	2 10	12 7	0 30	19 38	0 0	12 21	17 29	20 28	20 48	26 7	9 46	1 3	M24
T 25	8 51	9 24	2 36	15 17	1 30	9 13	1 5	22 40	0 57	0 49	1 40	4 2	2 10	12 7	0 30	19 38	0 0	12 21	17 30	20 29	20 49	26 7	9 46	1 3	T 25
W26	8 29	3 50	3 32	14 48	1 36	9 43	1 9	22 35	0 57	0 52	1 40	3 59	2 10	12 7	0 30	19 38	0 0	12 22	17 30	20 30	20 49	26 6	9 45	1 3	W26
T 27	8 7	1n59	4 18	14 16	1 40	10 12	1 14	22 29	0 58	0 54	1 40	3 56	2 10	12 6	0 30	19 37	0 0	12 22	17 30	20 31	20 50	26 5	9 44	1 3	T 27
F 28	7 45	7 49	4 50	13 42	1 44	10 41	1 18	22 24	0 59	0 57	1 40	3 53	2 10	12 6	0 30	19 37	0 0	12 23	17 30	20 32	20 50	26 5	9 43	1 3	F 28
S 29	7 22	13 23	5 7	13 5	1 47	11 10	1 23	22 18	0 59	1 0	1 40	3 50	2 10	12 5	0 30	19 36	0 0	12 23	17 30	20 34	20 51	26 4	9 43	1 3	S 29
S 30	7 0	18 21	5 6	12 28	1 49	11 39	1 27	22 12	1 0	1 3	1 41	3 47	2 10	12 5	0 30	19 36	0 0	12 24	17 31	20 35	20 52	26 3	9 42	1 3	S 30
M31	6n37	22n23	4n48	11n48	1n50	12s 8	1s32	22n 5	1n 1	1s 6	1s41	3n44	2n10	12n 4	0s30	19n36	0s 0	12s24	17s31	20s36	20s52	26s 3	9n41	1n 3	M31

Julian Day Number = 2121949.5, Delta T = 17m50s
Ecliptic obliquity = 23°33'27, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°09'36, Lahiri = 11°16'36 Julian Calendar 1 Aug. 1097 == Greg. Calendar 7 Aug. 1097

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1097
geocentric

SEPTEMBER 1097 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 4 29	14♍12'40	3♊49	5♍50	28♎48	26♋24	0°R58	25♍44	2°R53	2♏58	9°R11	28°R18	26♑54	27♐59	22°R14	T 1
W 2	23 8 26	15°11'24	17°56	7°42	29°55	27° 0	0♈50	25°51	2♉52	3° 0	9♈10	28°D18	26°51	28° 6	22♈12	W 2
T 3	23 12 22	16°10'09	2♋ 6	9°33	1♏ 2	27°37	0°43	25°59	2°51	3° 2	9° 9	28♑18	26°47	28°12	22°10	T 3
F 4	23 16 19	17° 8'57	16°18	11°24	2° 8	28°14	0°35	26° 6	2°49	3° 4	9° 8	28°20	26°44	28°19	22° 7	F 4
S 5	23 20 16	18° 7'47	0♌30	13°15	3°14	28°51	0°27	26°13	2°48	3° 5	9° 7	28°R20	26°41	28°26	22° 5	S 5
S 6	23 24 12	19° 6'40	14°40	15° 6	4°20	29°27	0°20	26°20	2°46	3° 7	9° 6	28°19	26°38	28°32	22° 3	S 6
M 7	23 28 9	20° 5'35	28°44	16°55	5°26	0♌ 4	0°12	26°28	2°44	3° 9	9° 5	28°15	26°35	28°39	22° 1	M 7
T 8	23 32 5	21° 4'31	12♍39	18°45	6°32	0°41	0° 4	26°35	2°43	3°10	9° 4	28°10	26°32	28°45	21°58	T 8
W 9	23 36 2	22° 3'30	26°21	20°33	7°38	1°17	29♓56	26°42	2°41	3°12	9° 3	28° 2	26°28	28°52	21°56	W 9
T 10	23 39 58	23° 2'31	9♎47	22°21	8°43	1°53	29°48	26°50	2°39	3°14	9° 2	27°52	26°25	28°59	21°53	T 10
F 11	23 43 55	24° 1'34	22°54	24° 7	9°49	2°30	29°40	26°57	2°38	3°15	9° 0	27°42	26°22	29° 5	21°51	F 11
S 12	23 47 51	25° 0'39	5♏41	25°53	10°54	3° 6	29°32	27° 4	2°36	3°17	8°59	27°33	26°19	29°12	21°48	S 12
S 13	23 51 48	25°59'46	18°10	27°39	11°59	3°42	29°24	27°12	2°34	3°18	8°58	27°25	26°16	29°19	21°46	S 13
M14	23 55 45	26°58'54	0♐23	29°23	13° 3	4°18	29°16	27°19	2°32	3°20	8°57	27°19	26°12	29°25	21°43	M14
T 15	23 59 41	27°58'05	12°23	1♎ 6	14° 8	4°54	29° 8	27°27	2°30	3°21	8°56	27°16	26° 9	29°32	21°41	T 15
W16	0 3 38	28°57'17	24°15	2°49	15°12	5°30	29° 0	27°34	2°28	3°23	8°55	27°D14	26° 6	29°39	21°38	W16
T 17	0 7 34	29°56'31	6♑ 4	4°31	16°16	6° 6	28°52	27°41	2°26	3°24	8°54	27°14	26° 3	29°45	21°35	T 17
F 18	0 11 31	0♎55'48	17°55	6°12	17°20	6°42	28°43	27°49	2°24	3°25	8°53	27°15	26° 0	29°52	21°33	F 18
S 19	0 15 27	1°55'05	29°54	7°52	18°23	7°18	28°35	27°56	2°22	3°27	8°51	27°R15	25°57	29°59	21°30	S 19
S 20	0 19 24	2°54'25	12♒ 6	9°32	19°26	7°53	28°27	28° 3	2°20	3°28	8°50	27°14	25°53	0♑ 5	21°27	S 20
M21	0 23 20	3°53'47	24°34	11°11	20°29	8°29	28°19	28°11	2°18	3°29	8°49	27°11	25°50	0°12	21°25	M21
T 22	0 27 17	4°53'10	7♓23	12°49	21°32	9° 5	28°11	28°18	2°16	3°31	8°48	27° 5	25°47	0°19	21°22	T 22
W23	0 31 14	5°52'35	20°32	14°26	22°35	9°40	28° 3	28°25	2°14	3°32	8°47	26°56	25°44	0°25	21°19	W23
T 24	0 35 10	6°52'02	4♈ 3	16° 2	23°37	10°15	27°56	28°32	2°12	3°33	8°46	26°46	25°41	0°32	21°16	T 24
F 25	0 39 7	7°51'32	17°52	17°38	24°39	10°51	27°48	28°40	2°10	3°34	8°45	26°35	25°38	0°39	21°14	F 25
S 26	0 43 3	8°51'03	1♉55	19°14	25°40	11°26	27°40	28°47	2° 7	3°35	8°43	26°23	25°34	0°45	21°11	S 26
S 27	0 47 0	9°50'37	16° 8	20°48	26°41	12° 1	27°32	28°54	2° 5	3°37	8°42	26°13	25°31	0°52	21° 8	S 27
M28	0 50 56	10°50'13	0♊26	22°22	27°42	12°36	27°25	29° 2	2° 3	3°38	8°41	26° 5	25°28	0°59	21° 5	M28
T 29	0 54 53	11°49'51	14°43	23°55	28°43	13°11	27°17	29° 9	2° 1	3°39	8°40	26° 0	25°25	1° 5	21° 2	T 29
W30	0 58 49	12♎49'32	28♊56	25♎28	29♏43	13♌46	27♓ 9	29♍16	1♉58	3♌40	8♈39	25♑58	25♑22	1♑12	20♈59	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n15	25n 8	4n12	11n 7	1n50	12s36	1s36	21n59	1n 2	1s 9	1s41	3n41	2n10	12n 4	0s30	19n35	0s 0	12s25	17s31	20s36	20s53	26s 2	9n40	1n 3
W 2	5 52	26 20	3 21	10 25	1 50	13 4	1 41	21 53	1 2	1 12	1 41	3 38	2 10	12 4	0 30	19 35	0 0	12 26	17 31	20 36	20 53	26 1	9 39	1 3
T 3	5 29	25 49	2 17	9 42	1 49	13 32	1 45	21 46	1 3	1 16	1 41	3 35	2 10	12 3	0 30	19 34	0 0	12 26	17 31	20 36	20 54	26 1	9 38	1 3
F 4	5 6	23 37	1 5	8 58	1 47	13 59	1 50	21 39	1 4	1 19	1 41	3 33	2 10	12 2	0 30	19 34	0 0	12 27	17 31	20 36	20 55	26 0	9 38	1 3
S 5	4 43	19 57	0s12	8 14	1 45	14 26	1 54	21 32	1 4	1 22	1 41	3 30	2 10	12 2	0 30	19 34	0 0	12 27	17 31	20 36	20 55	25 59	9 37	1 3
S 6	4 20	15 8	1 27	7 28	1 42	14 53	1 59	21 25	1 5	1 25	1 41	3 27	2 10	12 1	0 30	19 33	0 0	12 28	17 32	20 36	20 56	25 59	9 36	1 3
M 7	3 57	9 32	2 36	6 42	1 39	15 20	2 3	21 18	1 6	1 28	1 41	3 24	2 10	12 1	0 30	19 33	0 0	12 28	17 32	20 37	20 57	25 58	9 35	1 3
T 8	3 33	3 32	3 35	5 56	1 35	15 46	2 8	21 11	1 6	1 31	1 41	3 21	2 10	12 0	0 30	19 32	0 0	12 29	17 32	20 38	20 57	25 57	9 34	1 3
W 9	3 10	2s31	4 20	5 10	1 31	16 12	2 12	21 4	1 7	1 35	1 41	3 18	2 10	12 0	0 30	19 32	0 0	12 29	17 32	20 40	20 58	25 57	9 33	1 3
T 10	2 47	8 20	4 50	4 23	1 27	16 38	2 16	20 56	1 8	1 38	1 42	3 15	2 10	11 59	0 30	19 32	0 0	12 30	17 32	20 41	20 58	25 56	9 32	1 3
F 11	2 23	13 38	5 4	3 36	1 22	17 3	2 21	20 49	1 9	1 41	1 42	3 12	2 10	11 58	0 30	19 31	0 0	12 30	17 32	20 43	20 59	25 55	9 31	1 2
S 12	2 0	18 13	5 2	2 49	1 17	17 28	2 25	20 41	1 9	1 44	1 42	3 9	2 10	11 58	0 30	19 31	0 0	12 31	17 32	20 45	21 0	25 54	9 30	1 2
S 13	1 36	21 53	4 46	2 2	1 12	17 52	2 30	20 33	1 10	1 48	1 42	3 6	2 10	11 57	0 30	19 31	0 0	12 31	17 32	20 47	21 0	25 54	9 29	1 2
M14	1 12	24 30	4 16	1 16	1 6	18 17	2 34	20 25	1 11	1 51	1 42	3 3	2 10	11 57	0 30	19 30	0 0	12 32	17 32	20 48	21 1	25 53	9 28	1 2
T 15	0 49	25 58	3 36	0 29	1 1	18 40	2 38	20 17	1 11	1 54	1 42	3 1	2 10	11 56	0 30	19 30	0 0	12 32	17 32	20 49	21 1	25 52	9 27	1 2
W16	0 25	26 13	2 47	0s17	0 55	19 4	2 42	20 9	1 12	1 57	1 42	2 58	2 10	11 55	0 30	19 30	0 0	12 33	17 32	20 49	21 2	25 51	9 26	1 2
T 17	0 1	25 16	1 51	1 4	0 49	19 27	2 47	20 1	1 13	2 1	1 42	2 55	2 10	11 55	0 30	19 29	0 0	12 33	17 33	20 49	21 3	25 50	9 25	1 2
F 18	0s22	23 10	0 50	1 50	0 42	19 49	2 51	19 53	1 14	2 4	1 42	2 52	2 10	11 54	0 30	19 29	0 0	12 34	17 33	20 49	21 3	25 50	9 24	1 2
S 19	0 46	20 3	0n14	2 35	0 36	20 11	2 55	19 44	1 14	2 7	1 42	2 49	2 10	11 53	0 30	19 29	0 0	12 34	17 33	20 49	21 4	25 49	9 23	1 2
S 20	1 10	16 0	1 18	3 21	0 29	20 33	2 59	19 36	1 15	2 10	1 42	2 46	2 10	11 52	0 30	19 28	0 0	12 35	17 33	20 49	21 4	25 48	9 22	1 2
M21	1 33	11 12	2 20	4 6	0 23	20 54	3 3	19 27	1 16	2 13	1 42	2 43	2 10	11 52	0 30	19 28	0 0	12 35	17 33	20 50	21 5	25 47	9 21	1 2
T 22	1 57	5 48	3 16	4 50	0 16	21 15	3 7	19 18	1 16	2 16	1 42	2 40	2 10	11 51	0 30	19 28	0 0	12 36	17 33	20 51	21 6	25 46	9 20	1 2
W23	2 21	0 2	4 4	5 34	0 9	21 35	3 11	19 9	1 17	2 20	1 41	2 37	2 10	11 50	0 30	19 28	0 0	12 36	17 33	20 52	21 6	25 46	9 19	1 2
T 24	2 44	5n52	4 39	6 18	0 3	21 55	3 15	19 1	1 18	2 23	1 41	2 35	2 10	11 49	0 30	19 27	0 0	12 37	17 33	20 54	21 7	25 45	9 17	1 2
F 25	3 8	11 38	4 58	7 1	0s 4	22 14	3 19	18 52	1 19	2 26	1 41	2 32	2 10	11 49	0 30	19 27	0 0	12 37	17 33	20 57	21 7	25 44	9 16	1 2
S 26	3 32	16 53	5 0	7 44	0 11	22 33	3 22	18 42	1 19	2 29	1 41	2 29	2 11	11 48	0 30	19 27	0 0	12 37	17 33	20 59	21 8	25 43	9 15	1 2
S 27	3 55	21 16	4 44	8 26	0 18	22 51	3 26	18 33	1 20	2 32	1 41	2 26	2 11	11 47	0 30	19 27	0 0	12 38	17 33	21 1	21 9	25 42	9 14	1 2
M28	4 19	24 24	4 10	9 8	0 25	23 8	3 29	18 24	1 21	2 35	1 41	2 23	2 11	11 46	0 30	19 26	0n 0	12 38	17 33	21 2	21 9	25 41	9 13	1 1
T 29	4 42	25 59	3 20	9 49	0 32	23 26	3 33	18 15	1 22	2 38	1 41	2 20	2 11	11 46	0 30	19 26	0 0	12 39	17 33	21 3	21 10	25 41	9 12	1 1
W30	5s 5	25n51	2n18	10s30	0s39	23s42	3s36	18n 5	1n22	2s41	1s41	2n17	2n11	11n45	0s30	19n26	0n 0	12s39	17s33	21s 4	21s10	25s40	9n11	1n 1

Julian Day Number = 2121980.5, Delta T = 17m50s
Ecliptic obliquity = 23°33'27, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°09'40, Lahiri = 11°16'41 Julian Calendar 1 Sept. 1097 == Greg. Calendar 7 Sept. 1097

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1097
geocentric

OCTOBER 1097 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 2 46	13♎49'15	13♋ 4	27♎ 0	0♐43	14♌21	27°R 2	29♍23	1°R56	3♌41	8°R38	25°D57	25♑18	1♑19	20°R57	T 1
F 2	1 6 43	14°49'01	27° 5	28°32	1°42	14°56	26♓55	29°30	1♉54	3°42	8♈37	25°R58	25°15	1°25	20♈54	F 2
S 3	1 10 39	15°48'48	10♌59	0♏ 2	2°41	15°30	26°47	29°38	1°51	3°43	8°35	25♑57	25°12	1°32	20°51	S 3
S 4	1 14 36	16°48'38	24°46	1°33	3°40	16° 5	26°40	29°45	1°49	3°44	8°34	25°54	25° 9	1°39	20°48	S 4
M 5	1 18 32	17°48'30	8♍25	3° 2	4°38	16°40	26°33	29°52	1°47	3°45	8°33	25°49	25° 6	1°45	20°45	M 5
T 6	1 22 29	18°48'24	21°54	4°32	5°36	17°14	26°26	29°59	1°44	3°45	8°32	25°41	25° 3	1°52	20°42	T 6
W 7	1 26 25	19°48'21	5♎13	6° 0	6°34	17°48	26°20	0♎ 6	1°42	3°46	8°31	25°30	24°59	1°59	20°39	W 7
T 8	1 30 22	20°48'19	18°20	7°28	7°31	18°23	26°13	0°13	1°39	3°47	8°30	25°17	24°56	2° 5	20°36	T 8
F 9	1 34 18	21°48'20	1♏12	8°55	8°27	18°57	26° 6	0°20	1°37	3°48	8°29	25° 3	24°53	2°12	20°33	F 9
S 10	1 38 15	22°48'22	13°49	10°22	9°23	19°31	26° 0	0°27	1°34	3°49	8°27	24°49	24°50	2°19	20°30	S 10
S 11	1 42 11	23°48'26	26°11	11°48	10°18	20° 5	25°54	0°34	1°32	3°49	8°26	24°38	24°47	2°25	20°28	S 11
M12	1 46 8	24°48'32	8♐20	13°13	11°13	20°39	25°48	0°41	1°30	3°50	8°25	24°29	24°44	2°32	20°25	M12
T 13	1 50 5	25°48'40	20°17	14°38	12° 8	21°12	25°42	0°48	1°27	3°51	8°24	24°22	24°40	2°39	20°22	T 13
W14	1 54 1	26°48'49	2♑ 7	16° 2	13° 1	21°46	25°36	0°55	1°25	3°51	8°23	24°19	24°37	2°45	20°19	W14
T 15	1 57 58	27°49'00	13°54	17°25	13°55	22°19	25°30	1° 2	1°22	3°52	8°22	24°17	24°34	2°52	20°16	T 15
F 16	2 1 54	28°49'13	25°44	18°47	14°47	22°53	25°25	1° 9	1°20	3°52	8°21	24°17	24°31	2°58	20°13	F 16
S 17	2 5 51	29°49'27	7♒41	20° 8	15°39	23°26	25°19	1°15	1°17	3°53	8°20	24°17	24°28	3° 5	20°10	S 17
S 18	2 9 47	0♏49'42	19°52	21°28	16°30	24° 0	25°14	1°22	1°15	3°53	8°19	24°16	24°24	3°12	20° 7	S 18
M19	2 13 44	1°49'59	2♓21	22°47	17°20	24°33	25° 9	1°29	1°12	3°54	8°18	24°12	24°21	3°18	20° 5	M19
T 20	2 17 40	2°50'18	15°13	24° 4	18°10	25° 6	25° 4	1°35	1°10	3°54	8°17	24° 7	24°18	3°25	20° 2	T 20
W21	2 21 37	3°50'38	28°31	25°21	18°59	25°39	24°59	1°42	1° 7	3°54	8°16	23°58	24°15	3°32	19°59	W21
T 22	2 25 34	4°50'59	12♈15	26°35	19°47	26°11	24°55	1°49	1° 5	3°55	8°15	23°48	24°12	3°38	19°56	T 22
F 23	2 29 30	5°51'23	26°24	27°48	20°34	26°44	24°51	1°55	1° 2	3°55	8°14	23°36	24° 9	3°45	19°53	F 23
S 24	2 33 27	6°51'47	10♉51	28°59	21°20	27°17	24°47	2° 2	1° 0	3°55	8°13	23°24	24° 5	3°52	19°51	S 24
S 25	2 37 23	7°52'14	25°31	0♐ 8	22° 5	27°49	24°43	2° 8	0°57	3°55	8°12	23°13	24° 2	3°58	19°48	S 25
M26	2 41 20	8°52'43	10♊15	1°14	22°50	28°22	24°39	2°14	0°55	3°56	8°11	23° 5	23°59	4° 5	19°45	M26
T 27	2 45 16	9°53'13	24°57	2°17	23°33	28°54	24°35	2°21	0°52	3°56	8°10	23° 0	23°56	4°12	19°42	T 27
W28	2 49 13	10°53'45	9♋29	3°17	24°15	29°26	24°32	2°27	0°50	3°56	8° 9	22°57	23°53	4°18	19°40	W28
T 29	2 53 9	11°54'19	23°49	4°13	24°56	29°58	24°29	2°33	0°48	3°56	8° 8	22°D56	23°50	4°25	19°37	T 29
F 30	2 57 6	12°54'54	7♌53	5° 6	25°37	0♍30	24°26	2°40	0°45	3°56	8° 7	22°R57	23°46	4°32	19°35	F 30
S 31	3 1 3	13♏55'32	21♌42	5♐54	26♐15	1♍ 2	24♓23	2♎46	0♉43	3°R56	8♈ 6	22♑57	23♑43	4♑38	19♈32	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s29	24n 2	1n 8	11s 9	0s45	23s59	3s39	17n56	1n23	2s43	1s41	2n15	2n11	11n44	0s30	19n26	0n 0	12s40	17s33	21s 4	21s11	25s39	9n10	1n 1
F 2	5 52	20 45	0s 6	11 49	0 52	24 14	3 43	17 46	1 24	2 46	1 41	2 12	2 11	11 43	0 30	19 25	0 0	12 40	17 33	21 4	21 11	25 38	9 8	1 1
S 3	6 15	16 18	1 19	12 27	0 59	24 29	3 46	17 37	1 25	2 49	1 41	2 9	2 11	11 42	0 30	19 25	0 0	12 40	17 33	21 4	21 12	25 37	9 7	1 1
S 4	6 38	11 2	2 26	13 5	1 5	24 44	3 49	17 27	1 25	2 52	1 40	2 6	2 11	11 42	0 30	19 25	0 0	12 41	17 32	21 4	21 13	25 36	9 6	1 1
M 5	7 1	5 18	3 24	13 43	1 12	24 58	3 52	17 17	1 26	2 54	1 40	2 4	2 11	11 41	0 30	19 25	0 0	12 41	17 32	21 5	21 13	25 35	9 5	1 1
T 6	7 24	0s36	4 10	14 19	1 18	25 11	3 54	17 8	1 27	2 57	1 40	2 1	2 11	11 40	0 30	19 25	0 0	12 41	17 32	21 7	21 14	25 34	9 4	1 1
W 7	7 47	6 23	4 42	14 55	1 25	25 24	3 57	16 58	1 28	3 0	1 40	1 58	2 11	11 39	0 30	19 24	0 0	12 42	17 32	21 9	21 14	25 34	9 3	1 1
T 8	8 10	11 48	4 58	15 30	1 31	25 36	3 59	16 48	1 28	3 2	1 40	1 55	2 12	11 38	0 30	19 24	0 0	12 42	17 32	21 11	21 15	25 33	9 1	1 1
F 9	8 32	16 36	4 58	16 4	1 37	25 48	4 2	16 38	1 29	3 5	1 40	1 53	2 12	11 37	0 30	19 24	0 0	12 43	17 32	21 14	21 15	25 32	9 0	1 1
S 10	8 55	20 34	4 44	16 38	1 43	25 59	4 4	16 28	1 30	3 7	1 39	1 50	2 12	11 37	0 30	19 24	0 0	12 43	17 32	21 16	21 16	25 31	8 59	1 1
S 11	9 17	23 33	4 16	17 10	1 48	26 10	4 6	16 18	1 31	3 9	1 39	1 47	2 12	11 36	0 30	19 24	0 0	12 43	17 32	21 18	21 17	25 30	8 58	1 1
M12	9 39	25 23	3 38	17 42	1 54	26 20	4 8	16 8	1 32	3 12	1 39	1 45	2 12	11 35	0 30	19 24	0 0	12 44	17 32	21 20	21 17	25 29	8 57	1 0
T 13	10 1	26 1	2 50	18 12	1 59	26 29	4 10	15 58	1 32	3 14	1 39	1 42	2 12	11 34	0 30	19 23	0 0	12 44	17 32	21 21	21 18	25 28	8 56	1 0
W14	10 23	25 27	1 55	18 42	2 4	26 38	4 11	15 47	1 33	3 16	1 39	1 39	2 12	11 33	0 30	19 23	0 0	12 44	17 32	21 22	21 18	25 27	8 54	1 0
T 15	10 45	23 44	0 55	19 11	2 9	26 46	4 13	15 37	1 34	3 18	1 38	1 37	2 12	11 32	0 30	19 23	0 0	12 45	17 31	21 22	21 19	25 26	8 53	1 0
F 16	11 6	20 59	0n 8	19 38	2 14	26 54	4 14	15 27	1 35	3 20	1 38	1 34	2 12	11 31	0 30	19 23	0 0	12 45	17 31	21 22	21 19	25 25	8 52	1 0
S 17	11 28	17 18	1 10	20 5	2 18	27 1	4 15	15 17	1 36	3 22	1 38	1 31	2 13	11 31	0 30	19 23	0 0	12 45	17 31	21 22	21 20	25 24	8 51	1 0
S 18	11 49	12 51	2 11	20 30	2 22	27 7	4 16	15 6	1 36	3 24	1 38	1 29	2 13	11 30	0 30	19 23	0 0	12 45	17 31	21 22	21 21	25 23	8 50	1 0
M19	12 10	7 47	3 7	20 55	2 26	27 13	4 17	14 56	1 37	3 26	1 38	1 26	2 13	11 29	0 30	19 23	0 0	12 46	17 31	21 23	21 21	25 22	8 49	1 0
T 20	12 31	2 14	3 55	21 18	2 29	27 18	4 18	14 45	1 38	3 27	1 37	1 24	2 13	11 28	0 30	19 23	0 0	12 46	17 31	21 24	21 22	25 21	8 47	1 0
W21	12 52	3n34	4 32	21 39	2 32	27 23	4 18	14 35	1 39	3 29	1 37	1 21	2 13	11 27	0 30	19 23	0 0	12 46	17 31	21 25	21 22	25 20	8 46	1 0
T 22	13 12	9 23	4 55	22 0	2 35	27 27	4 18	14 25	1 40	3 31	1 37	1 19	2 13	11 26	0 30	19 23	0 0	12 46	17 30	21 27	21 23	25 19	8 45	1 0
F 23	13 32	14 54	5 1	22 19	2 37	27 31	4 18	14 14	1 40	3 32	1 37	1 16	2 13	11 25	0 30	19 22	0 0	12 47	17 30	21 29	21 23	25 18	8 44	0 59
S 24	13 52	19 42	4 47	22 36	2 38	27 34	4 18	14 4	1 41	3 34	1 36	1 14	2 14	11 25	0 30	19 22	0 0	12 47	17 30	21 31	21 24	25 17	8 43	0 59
S 25	14 12	23 22	4 15	22 52	2 39	27 36	4 18	13 53	1 42	3 35	1 36	1 11	2 14	11 24	0 30	19 22	0 0	12 47	17 30	21 33	21 24	25 16	8 42	0 59
M26	14 32	25 29	3 26	23 7	2 40	27 38	4 17	13 43	1 43	3 36	1 36	1 9	2 14	11 23	0 30	19 22	0 0	12 47	17 30	21 34	21 25	25 15	8 41	0 59
T 27	14 51	25 50	2 23	23 20	2 40	27 40	4 16	13 32	1 44	3 37	1 36	1 7	2 14	11 22	0 30	19 22	0 0	12 47	17 29	21 35	21 26	25 14	8 39	0 59
W28	15 10	24 24	1 11	23 31	2 39	27 40	4 15	13 22	1 45	3 38	1 35	1 4	2 14	11 21	0 30	19 22	0 0	12 48	17 29	21 36	21 26	25 13	8 38	0 59
T 29	15 29	21 22	0s 5	23 40	2 37	27 41	4 13	13 11	1 45	3 39	1 35	1 2	2 14	11 20	0 30	19 22	0 0	12 48	17 29	21 36	21 27	25 12	8 37	0 59
F 30	15 47	17 7	1 19	23 47	2 34	27 40	4 12	13 0	1 46	3 40	1 35	1 0	2 14	11 19	0 30	19 22	0 0	12 48	17 29	21 36	21 27	25 11	8 36	0 59
S 31	16s 6	12n 2	2s27	23s52	2s31	27s40	4s10	12n50	1n47	3s41	1s35	0n57	2n15	11n19	0s30	19n22	0n 0	12s48	17s29	21s36	21s28	25s10	8n35	0n59

Julian Day Number = 2122010.5, Delta T = 17m50s
Ecliptic obliquity = 23°33'27, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°09'44, Lahiri = 11°16'45 Julian Calendar 1 Oct. 1097 == Greg. Calendar 7 Oct. 1097

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1097
geocentric

NOVEMBER 1097 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 4 59	14♏56'11	5♍16	6♐36	26♐53	1♍33	24°R20	2♎52	0°R40	3°R56	8°R 5	22°R55	23♉40	4♉45	19°R29	S 1
M 2	3 8 56	15°56'52	18°37	7°13	27°29	2° 5	24♓18	2°58	0♉38	3♌56	8♈ 4	22♉51	23°37	4°52	19♈27	M 2
T 3	3 12 52	16°57'35	1♎45	7°43	28° 5	2°36	24°16	3° 4	0°36	3°56	8° 3	22°44	23°34	4°58	19°24	T 3
W 4	3 16 49	17°58'19	14°42	8° 6	28°38	3° 7	24°14	3°10	0°33	3°56	8° 3	22°34	23°30	5° 5	19°22	W 4
T 5	3 20 45	18°59'05	27°27	8°21	29°10	3°38	24°12	3°16	0°31	3°56	8° 2	22°23	23°27	5°12	19°19	T 5
F 6	3 24 42	19°59'52	10♏ 0	8°R26	29°41	4° 9	24°10	3°21	0°29	3°55	8° 1	22°10	23°24	5°18	19°17	F 6
S 7	3 28 38	21° 0'40	22°23	8°22	0♉10	4°40	24° 9	3°27	0°26	3°55	8° 0	21°59	23°21	5°25	19°15	S 7
S 8	3 32 35	22° 1'30	4♐34	8° 8	0°38	5°11	24° 8	3°33	0°24	3°55	7°59	21°48	23°18	5°32	19°12	S 8
M 9	3 36 32	23° 2'22	16°35	7°43	1° 4	5°41	24° 7	3°39	0°22	3°55	7°58	21°40	23°15	5°38	19°10	M 9
T 10	3 40 28	24° 3'14	28°28	7° 7	1°28	6°11	24° 6	3°44	0°20	3°54	7°58	21°34	23°11	5°45	19° 8	T 10
W11	3 44 25	25° 4'07	10♉16	6°20	1°51	6°41	24° 6	3°50	0°17	3°54	7°57	21°31	23° 8	5°51	19° 5	W11
T 12	3 48 21	26° 5'01	22° 2	5°23	2°11	7°11	24° 5	3°55	0°15	3°54	7°56	21°D31	23° 5	5°58	19° 3	T 12
F 13	3 52 18	27° 5'57	3♒50	4°17	2°30	7°41	24°D 5	4° 0	0°13	3°53	7°56	21°31	23° 2	6° 5	19° 1	F 13
S 14	3 56 14	28° 6'53	15°45	3° 3	2°46	8°11	24° 5	4° 6	0°11	3°53	7°55	21°32	22°59	6°11	18°59	S 14
S 15	4 0 11	29° 7'49	27°53	1°43	3° 0	8°40	24° 6	4°11	0° 9	3°52	7°54	21°R33	22°55	6°18	18°57	S 15
M16	4 4 7	0♐ 8'47	10♓18	0°21	3°13	9°10	24° 6	4°16	0° 7	3°52	7°54	21°33	22°52	6°25	18°55	M16
T 17	4 8 4	1° 9'45	23° 7	28♏58	3°23	9°39	24° 7	4°21	0° 5	3°51	7°53	21°30	22°49	6°31	18°53	T 17
W18	4 12 1	2°10'44	6♈22	27°38	3°31	10° 8	24° 8	4°26	0° 3	3°50	7°52	21°25	22°46	6°38	18°51	W18
T 19	4 15 57	3°11'44	20° 6	26°23	3°36	10°37	24° 9	4°31	0° 1	3°50	7°52	21°19	22°43	6°45	18°49	T 19
F 20	4 19 54	4°12'44	4♉18	25°16	3°39	11° 5	24°10	4°36	29♈59	3°49	7°51	21°11	22°40	6°51	18°47	F 20
S 21	4 23 50	5°13'45	18°55	24°18	3°R40	11°34	24°12	4°41	29°57	3°49	7°51	21° 4	22°36	6°58	18°45	S 21
S 22	4 27 47	6°14'47	3♊51	23°30	3°38	12° 2	24°14	4°46	29°55	3°48	7°50	20°57	22°33	7° 5	18°44	S 22
M23	4 31 43	7°15'49	18°56	22°54	3°34	12°30	24°16	4°50	29°53	3°47	7°50	20°51	22°30	7°11	18°42	M23
T 24	4 35 40	8°16'53	4♋ 2	22°28	3°27	12°58	24°18	4°55	29°51	3°46	7°49	20°48	22°27	7°18	18°40	T 24
W25	4 39 37	9°17'57	18°58	22°14	3°17	13°25	24°20	4°59	29°50	3°46	7°49	20°D47	22°24	7°25	18°39	W25
T 26	4 43 33	10°19'02	3♌38	22°D11	3° 6	13°53	24°23	5° 4	29°48	3°45	7°48	20°48	22°21	7°31	18°37	T 26
F 27	4 47 30	11°20'08	17°58	22°17	2°51	14°20	24°26	5° 8	29°46	3°44	7°48	20°49	22°17	7°38	18°36	F 27
S 28	4 51 26	12°21'15	1♍56	22°32	2°35	14°47	24°29	5°12	29°45	3°43	7°47	20°50	22°14	7°45	18°34	S 28
S 29	4 55 23	13°22'23	15°32	22°56	2°16	15°13	24°32	5°16	29°43	3°42	7°47	20°R51	22°11	7°51	18°33	S 29
M30	4 59 19	14♐23'32	28♍48	23♏27	1♉54	15♍40	24♓35	5♎20	29♈41	3♌41	7♈47	20♉50	22♉ 8	7♉58	18♈32	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s24	6n27	3s25	23s55	2s26	27s38	4s 7	12n39	1n48	3s42	1s34	0n55	2n15	11n18	0s30	19n22	0n 0	12s48	17s28	21s36	21s28	25s 9	8n34	0n59
M 2	16 42	0 40	4 11	23 56	2 21	27 37	4 5	12 29	1 49	3 43	1 34	0 53	2 15	11 17	0 30	19 22	0 0	12 48	17 28	21 37	21 29	25 7	8 33	0 58
T 3	16 59	5s 2	4 43	23 54	2 14	27 34	4 2	12 18	1 50	3 43	1 34	0 50	2 15	11 16	0 30	19 22	0 0	12 48	17 28	21 38	21 29	25 6	8 32	0 58
W 4	17 16	10 26	5 0	23 50	2 6	27 31	3 58	12 8	1 51	3 44	1 33	0 48	2 15	11 15	0 30	19 22	0 0	12 49	17 28	21 39	21 30	25 5	8 31	0 58
T 5	17 33	15 18	5 2	23 43	1 56	27 28	3 55	11 57	1 52	3 44	1 33	0 46	2 15	11 15	0 30	19 22	0 0	12 49	17 27	21 41	21 31	25 4	8 30	0 58
F 6	17 50	19 27	4 49	23 33	1 45	27 24	3 51	11 47	1 52	3 45	1 33	0 44	2 16	11 14	0 30	19 23	0 0	12 49	17 27	21 43	21 31	25 3	8 29	0 58
S 7	18 6	22 40	4 22	23 20	1 33	27 20	3 47	11 36	1 53	3 45	1 33	0 42	2 16	11 13	0 30	19 23	0 0	12 49	17 27	21 45	21 32	25 2	8 28	0 58
S 8	18 22	24 49	3 44	23 4	1 19	27 15	3 42	11 26	1 54	3 45	1 32	0 40	2 16	11 12	0 30	19 23	0 0	12 49	17 27	21 47	21 32	25 1	8 27	0 58
M 9	18 37	25 47	2 56	22 45	1 4	27 10	3 37	11 15	1 55	3 45	1 32	0 38	2 16	11 11	0 30	19 23	0 1	12 49	17 26	21 48	21 33	25 0	8 26	0 58
T 10	18 53	25 33	2 0	22 22	0 47	27 4	3 32	11 5	1 56	3 45	1 32	0 36	2 16	11 11	0 30	19 23	0 1	12 49	17 26	21 49	21 33	24 59	8 25	0 58
W11	19 8	24 9	1 0	21 56	0 28	26 58	3 26	10 55	1 57	3 45	1 31	0 34	2 17	11 10	0 30	19 23	0 1	12 49	17 26	21 50	21 34	24 57	8 24	0 57
T 12	19 22	21 42	0n 3	21 27	0 9	26 52	3 19	10 44	1 58	3 45	1 31	0 32	2 17	11 9	0 30	19 23	0 1	12 49	17 25	21 50	21 34	24 56	8 23	0 57
F 13	19 36	18 19	1 6	20 55	0n11	26 45	3 13	10 34	1 59	3 45	1 31	0 30	2 17	11 8	0 30	19 23	0 1	12 49	17 25	21 50	21 35	24 55	8 22	0 57
S 14	19 50	14 11	2 7	20 21	0 32	26 37	3 6	10 24	2 0	3 45	1 30	0 28	2 17	11 8	0 30	19 23	0 1	12 49	17 25	21 49	21 35	24 54	8 21	0 57
S 15	20 4	9 24	3 3	19 45	0 52	26 29	2 58	10 13	2 1	3 44	1 30	0 26	2 17	11 7	0 30	19 23	0 1	12 49	17 25	21 49	21 36	24 53	8 20	0 57
M16	20 17	4 9	3 52	19 9	1 12	26 21	2 50	10 3	2 2	3 44	1 30	0 24	2 18	11 6	0 30	19 24	0 1	12 49	17 24	21 49	21 36	24 52	8 19	0 57
T 17	20 30	1n24	4 31	18 33	1 31	26 12	2 42	9 53	2 3	3 43	1 30	0 22	2 18	11 6	0 30	19 24	0 1	12 49	17 24	21 50	21 37	24 50	8 18	0 57
W18	20 42	7 5	4 58	17 59	1 48	26 3	2 33	9 43	2 4	3 42	1 29	0 20	2 18	11 5	0 30	19 24	0 1	12 49	17 24	21 51	21 37	24 49	8 18	0 57
T 19	20 54	12 38	5 8	17 27	2 3	25 54	2 23	9 33	2 5	3 42	1 29	0 19	2 18	11 4	0 30	19 24	0 1	12 49	17 23	21 52	21 38	24 48	8 17	0 57
F 20	21 5	17 43	5 0	16 58	2 16	25 44	2 13	9 23	2 6	3 41	1 29	0 17	2 19	11 4	0 30	19 24	0 1	12 49	17 23	21 53	21 39	24 47	8 16	0 56
S 21	21 17	21 54	4 33	16 33	2 27	25 33	2 3	9 13	2 7	3 40	1 28	0 15	2 19	11 3	0 30	19 24	0 1	12 49	17 23	21 54	21 39	24 46	8 15	0 56
S 22	21 27	24 44	3 47	16 13	2 36	25 23	1 52	9 3	2 8	3 39	1 28	0 13	2 19	11 2	0 29	19 25	0 1	12 49	17 22	21 55	21 40	24 44	8 14	0 56
M23	21 38	25 49	2 44	15 58	2 43	25 11	1 41	8 53	2 9	3 38	1 28	0 12	2 19	11 2	0 29	19 25	0 1	12 49	17 22	21 56	21 40	24 43	8 14	0 56
T 24	21 48	24 59	1 30	15 47	2 47	25 0	1 29	8 43	2 10	3 37	1 27	0 10	2 19	11 1	0 29	19 25	0 1	12 48	17 22	21 56	21 41	24 42	8 13	0 56
W25	21 57	22 22	0 10	15 41	2 50	24 48	1 17	8 33	2 11	3 36	1 27	0 9	2 20	11 0	0 29	19 25	0 1	12 48	17 21	21 56	21 41	24 41	8 12	0 56
T 26	22 6	18 19	1s 9	15 40	2 50	24 35	1 4	8 24	2 12	3 34	1 27	0 7	2 20	11 0	0 29	19 25	0 1	12 48	17 21	21 56	21 42	24 40	8 11	0 56
F 27	22 15	13 16	2 23	15 42	2 50	24 22	0 51	8 14	2 13	3 33	1 27	0 6	2 20	10 59	0 29	19 26	0 1	12 48	17 21	21 56	21 42	24 38	8 11	0 56
S 28	22 23	7 39	3 25	15 48	2 48	24 9	0 37	8 5	2 14	3 31	1 26	0 4	2 20	10 59	0 29	19 26	0 1	12 48	17 20	21 56	21 43	24 37	8 10	0 56
S 29	22 31	1 49	4 15	15 57	2 44	23 55	0 23	7 55	2 15	3 30	1 26	0 3	2 21	10 58	0 29	19 26	0 1	12 48	17 20	21 56	21 43	24 36	8 9	0 55
M30	22s38	3s56	4s49	16s 8	2n40	23s41	0s 9	7n46	2n16	3s28	1s26	0n 1	2n21	10n58	0s29	19n26	0n 1	12s48	17s20	21s56	21s44	24s35	8n 9	0n55

Julian Day Number = 2122041.5, Delta T = 17m49s
Ecliptic obliquity = 23°33'26, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°09'49, Lahiri = 11°16'49 Julian Calendar 1 Nov. 1097 == Greg. Calendar 7 Nov. 1097

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1097
geocentric

DECEMBER 1097 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 3 16	15♐24'41	11♎45	24♏ 5	1°R31	16♍ 6	24♓39	5♎24	29°R40	3°R40	7°R46	20°R47	22♑ 5	8♑ 5	18°R30	T 1
W 2	5 7 12	16°25'51	24°26	24°49	1♑ 5	16°32	24°42	5°28	29♈38	3♌39	7♈46	20♑43	22° 1	8°11	18♈29	W 2
T 3	5 11 9	17°27'02	6♏55	25°39	0°37	16°58	24°46	5°32	29°37	3°38	7°46	20°37	21°58	8°18	18°28	T 3
F 4	5 15 6	18°28'13	19°12	26°33	0° 8	17°24	24°51	5°36	29°35	3°37	7°45	20°31	21°55	8°24	18°27	F 4
S 5	5 19 2	19°29'25	1♐19	27°31	29♐37	17°49	24°55	5°39	29°34	3°36	7°45	20°25	21°52	8°31	18°26	S 5
S 6	5 22 59	20°30'37	13°19	28°33	29° 4	18°14	24°59	5°43	29°33	3°35	7°45	20°20	21°49	8°38	18°25	S 6
M 7	5 26 55	21°31'50	25°13	29°38	28°31	18°39	25° 4	5°46	29°32	3°34	7°45	20°16	21°46	8°44	18°24	M 7
T 8	5 30 52	22°33'02	7♑ 2	0♐46	27°56	19° 3	25° 9	5°50	29°30	3°32	7°44	20°13	21°42	8°51	18°23	T 8
W 9	5 34 48	23°34'15	18°49	1°56	27°20	19°27	25°14	5°53	29°29	3°31	7°44	20°D13	21°39	8°58	18°22	W 9
T 10	5 38 45	24°35'28	0♒35	3° 9	26°44	19°51	25°19	5°56	29°28	3°30	7°44	20°13	21°36	9° 4	18°21	T 10
F 11	5 42 41	25°36'41	12°25	4°23	26° 7	20°15	25°25	5°59	29°27	3°29	7°44	20°14	21°33	9°11	18°20	F 11
S 12	5 46 38	26°37'54	24°22	5°40	25°31	20°38	25°30	6° 2	29°26	3°28	7°44	20°16	21°30	9°18	18°20	S 12
S 13	5 50 35	27°39'06	6♓30	6°58	24°54	21° 1	25°36	6° 5	29°25	3°26	7°44	20°18	21°27	9°24	18°19	S 13
M14	5 54 31	28°40'18	18°53	8°17	24°18	21°24	25°42	6° 8	29°24	3°25	7°44	20°19	21°23	9°31	18°19	M14
T 15	5 58 28	29°41'30	1♈36	9°38	23°43	21°46	25°48	6°11	29°23	3°24	7°44	20°R19	21°20	9°38	18°18	T 15
W16	6 2 24	0♉42'41	14°43	10°59	23° 9	22° 9	25°55	6°13	29°22	3°22	7°D44	20°19	21°17	9°44	18°18	W16
T 17	6 6 21	1°43'52	28°17	12°22	22°35	22°30	26° 1	6°16	29°21	3°21	7°44	20°17	21°14	9°51	18°17	T 17
F 18	6 10 17	2°45'03	12♉19	13°46	22° 4	22°52	26° 8	6°18	29°21	3°20	7°44	20°15	21°11	9°58	18°17	F 18
S 19	6 14 14	3°46'13	26°49	15°10	21°33	23°13	26°15	6°20	29°20	3°18	7°44	20°13	21° 7	10° 4	18°17	S 19
S 20	6 18 10	4°47'23	11♊41	16°36	21° 5	23°33	26°22	6°23	29°19	3°17	7°44	20°11	21° 4	10°11	18°17	S 20
M21	6 22 7	5°48'33	26°50	18° 2	20°38	23°54	26°29	6°25	29°19	3°15	7°44	20° 9	21° 1	10°18	18°16	M21
T 22	6 26 4	6°49'42	12♋ 5	19°29	20°14	24°14	26°36	6°27	29°18	3°14	7°44	20° 8	20°58	10°24	18°16	T 22
W23	6 30 0	7°50'51	27°17	20°56	19°51	24°34	26°44	6°28	29°18	3°12	7°44	20°D 8	20°55	10°31	18°D16	W23
T 24	6 33 57	8°51'59	12♌17	22°24	19°31	24°53	26°51	6°30	29°17	3°11	7°44	20° 9	20°52	10°37	18°16	T 24
F 25	6 37 53	9°53'07	26°56	23°53	19°14	25°12	26°59	6°32	29°17	3° 9	7°45	20°10	20°48	10°44	18°17	F 25
S 26	6 41 50	10°54'15	11♍11	25°22	18°58	25°30	27° 7	6°33	29°16	3° 8	7°45	20°11	20°45	10°51	18°17	S 26
S 27	6 45 46	11°55'23	24°58	26°52	18°46	25°48	27°15	6°35	29°16	3° 6	7°45	20°11	20°42	10°57	18°17	S 27
M28	6 49 43	12°56'30	8♎20	28°23	18°35	26° 6	27°23	6°36	29°16	3° 5	7°45	20°R12	20°39	11° 4	18°17	M28
T 29	6 53 40	13°57'37	21°18	29°54	18°28	26°23	27°32	6°38	29°16	3° 3	7°46	20°12	20°36	11°11	18°18	T 29
W30	6 57 36	14°58'44	3♏55	1♑25	18°22	26°40	27°40	6°39	29°16	3° 2	7°46	20°11	20°33	11°17	18°18	W30
T 31	7 1 33	15♑59'50	16♏16	2♑57	18♐20	26♍56	27♓49	6♎40	29♈16	3♌ 0	7♈46	20♑11	20♑29	11♑24	18♈18	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	22s45	9s23	5s 8	16s23	2n35	23s27	0n 6	7n36	2n17	3s27	1s25	0n 0	2n21	10n57	0s29	19n26	0n 1	12s47	17s19	21s56	21s44	24s33	8n 8	0n55	
W 2	22 52	14 20	5 11	16 39	2 30	23 12	0 21	7 27	2 18	3 25	1 25	0s 1	2 21	10 57	0 29	19 27	0 1	12 47	17 19	21 57	21 45	24 32	8 8	0 55	
T 3	22 58	18 36	4 59	16 56	2 24	22 57	0 36	7 18	2 19	3 23	1 25	0 3	2 22	10 56	0 29	19 27	0 1	12 47	17 19	21 58	21 45	24 31	8 7	0 55	
F 4	23 3	22 0	4 34	17 16	2 17	22 42	0 52	7 9	2 20	3 21	1 24	0 4	2 22	10 56	0 29	19 27	0 1	12 47	17 18	21 59	21 46	24 29	8 6	0 55	
S 5	23 8	24 23	3 56	17 36	2 10	22 26	1 7	7 0	2 21	3 19	1 24	0 5	2 22	10 55	0 29	19 27	0 1	12 47	17 18	22 0	21 46	24 28	8 6	0 55	
S 6	23 13	25 38	3 9	17 57	2 2	22 10	1 23	6 51	2 22	3 17	1 24	0 6	2 22	10 55	0 29	19 28	0 1	12 46	17 18	22 1	21 47	24 27	8 5	0 55	
M 7	23 17	25 41	2 13	18 18	1 55	21 54	1 39	6 42	2 23	3 15	1 24	0 7	2 23	10 54	0 29	19 28	0 1	12 46	17 17	22 1	21 47	24 26	8 5	0 54	
T 8	23 21	24 34	1 12	18 40	1 47	21 38	1 54	6 34	2 24	3 13	1 23	0 8	2 23	10 54	0 29	19 28	0 1	12 46	17 17	22 2	21 48	24 24	8 5	0 54	
W 9	23 24	22 21	0 8	19 2	1 39	21 22	2 10	6 25	2 25	3 10	1 23	0 9	2 23	10 54	0 29	19 29	0 1	12 46	17 17	22 2	21 48	24 23	8 4	0 54	
T 10	23 27	19 12	0n57	19 24	1 31	21 6	2 25	6 17	2 27	3 8	1 23	0 11	2 23	10 53	0 29	19 29	0 1	12 45	17 16	22 2	21 49	24 22	8 4	0 54	
F 11	23 29	15 15	1 59	19 46	1 23	20 50	2 40	6 9	2 28	3 6	1 22	0 11	2 24	10 53	0 29	19 29	0 1	12 45	17 16	22 1	21 49	24 20	8 3	0 54	
S 12	23 31	10 40	2 58	20 8	1 15	20 34	2 55	6 0	2 29	3 3	1 22	0 12	2 24	10 52	0 29	19 30	0 1	12 45	17 16	22 1	21 50	24 19	8 3	0 54	
S 13	23 32	5 38	3 49	20 29	1 6	20 18	3 9	5 52	2 30	3 0	1 22	0 13	2 24	10 52	0 29	19 30	0 1	12 44	17 15	22 1	21 50	24 18	8 3	0 54	
M14	23 33	0 17	4 30	20 50	0 58	20 3	3 23	5 44	2 31	2 58	1 22	0 14	2 25	10 52	0 29	19 30	0 1	12 44	17 15	22 1	21 51	24 16	8 2	0 54	
T 15	23 33	5n13	5 0	21 11	0 50	19 48	3 37	5 37	2 32	2 55	1 21	0 15	2 25	10 52	0 29	19 30	0 1	12 44	17 14	22 1	21 51	24 15	8 2	0 53	
W16	23 33	10 39	5 15	21 31	0 42	19 33	3 50	5 29	2 34	2 52	1 21	0 16	2 25	10 51	0 29	19 31	0 1	12 43	17 14	22 1	21 52	24 14	8 2	0 53	
T 17	23 33	15 47	5 13	21 50	0 34	19 19	4 2	5 21	2 35	2 49	1 21	0 16	2 25	10 51	0 29	19 31	0 1	12 43	17 14	22 1	21 52	24 12	8 1	0 53	
F 18	23 32	20 15	4 53	22 8	0 26	19 6	4 14	5 14	2 36	2 47	1 21	0 17	2 26	10 51	0 29	19 31	0 1	12 43	17 13	22 1	21 53	24 11	8 1	0 53	
S 19	23 30	23 40	4 14	22 26	0 18	18 53	4 25	5 7	2 37	2 44	1 20	0 18	2 26	10 51	0 29	19 32	0 1	12 42	17 13	22 2	21 53	24 10	8 1	0 53	
S 20	23 28	25 33	3 17	22 42	0 10	18 40	4 35	4 59	2 38	2 41	1 20	0 18	2 26	10 50	0 29	19 32	0 1	12 42	17 13	22 2	21 54	24 8	8 1	0 53	
M21	23 26	25 37	2 6	22 58	0 3	18 29	4 45	4 52	2 40	2 37	1 20	0 19	2 26	10 50	0 29	19 32	0 1	12 42	17 12	22 2	21 54	24 7	8 1	0 53	
T 22	23 23	23 45	0 45	23 13	0s 5	18 18	4 54	4 46	2 41	2 34	1 19	0 20	2 27	10 50	0 29	19 33	0 1	12 41	17 12	22 2	21 55	24 5	8 0	0 53	
W23	23 19	20 9	0s40	23 27	0 12	18 8	5 3	4 39	2 42	2 31	1 19	0 20	2 27	10 50	0 29	19 33	0 1	12 41	17 11	22 2	21 55	24 4	8 0	0 52	
T 24	23 16	15 17	2 0	23 40	0 19	17 59	5 11	4 32	2 43	2 28	1 19	0 20	2 27	10 50	0 29	19 34	0 1	12 40	17 11	22 2	21 56	24 3	8 0	0 52	
F 25	23 11	9 37	3 11	23 51	0 26	17 50	5 18	4 26	2 45	2 24	1 19	0 21	2 28	10 50	0 29	19 34	0 1	12 40	17 11	22 2	21 56	24 1	8 0	0 52	
S 26	23 6	3 36	4 7	24 2	0 33	17 43	5 24	4 20	2 46	2 21	1 18	0 21	2 28	10 50	0 29	19 34	0 1	12 40	17 10	22 2	21 57	24 0	8 0	0 52	
S 27	23 1	2s24	4 48	24 11	0 40	17 36	5 30	4 14	2 47	2 18	1 18	0 22	2 28	10 49	0 29	19 35	0 1	12 39	17 10	22 2	21 57	23 58	8 0	0 52	
M28	22 55	8 5	5 11	24 19	0 47	17 30	5 35	4 8	2 48	2 14	1 18	0 22	2 28	10 49	0 28	19 35	0 1	12 39	17 10	22 2	21 58	23 57	8 0	0 52	
T 29	22 49	13 15	5 18	24 26	0 53	17 25	5 39	4 2	2 50	2 11	1 18	0 22	2 29	10 49	0 28	19 35	0 1	12 38	17 9	22 2	21 58	23 56	8 0	0 52	
W30	22 43	17 43	5 9	24 32	0 59	17 21	5 43	3 57	2 51	2 7	1 17	0 22	2 29	10 49	0 28	19 36	0 1	12 38	17 9	22 2	21 59	23 54	8 0	0 51	
T 31	22s36	21s20	4s46	24s36	1s 5	17s17	5n46	3n51	2n52	2s 3	1s17	0s22	2n29	10n49	0s28	19n36	0n 1	12s37	17s 9	22s 2	21s59	23s53	8n 0	0n51	

Julian Day Number = 2122071.5, Delta T = 17m49s
Ecliptic obliquity = 23°33'26, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°09'53, Lahiri = 11°16'53 Julian Calendar 1 Dec. 1097 == Greg. Calendar 7 Dec. 1097

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1098
geocentric

JANUARY 1098 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 5 29	17♑ 0'56	28♏23	4♑30	18°D19	27♍12	27♓57	6♎41	29°D16	2°R58	7♈47	20°R10	20♑26	11♑31	18♈19	F 1
S 2	7 9 26	18° 2'02	10♐21	6° 4	18♐22	27°28	28° 6	6°41	29♈16	2♌57	7°47	20♑10	20°23	11°37	18°19	S 2
S 3	7 13 22	19° 3'07	22°12	7°37	18°26	27°43	28°16	6°42	29°16	2°55	7°47	20°10	20°20	11°44	18°20	S 3
M 4	7 17 19	20° 4'11	4♑ 0	9°12	18°33	27°57	28°25	6°43	29°16	2°53	7°48	20°D10	20°17	11°51	18°21	M 4
T 5	7 21 15	21° 5'15	15°47	10°47	18°42	28°11	28°34	6°43	29°16	2°52	7°48	20°R10	20°13	11°57	18°22	T 5
W 6	7 25 12	22° 6'17	27°35	12°23	18°53	28°24	28°44	6°44	29°16	2°50	7°49	20°10	20°10	12° 4	18°22	W 6
T 7	7 29 9	23° 7'19	9♒27	13°59	19° 7	28°37	28°53	6°44	29°17	2°49	7°49	20°10	20° 7	12°11	18°23	T 7
F 8	7 33 5	24° 8'19	21°24	15°36	19°23	28°50	29° 3	6°44	29°17	2°47	7°50	20° 9	20° 4	12°17	18°24	F 8
S 9	7 37 2	25° 9'19	3♓29	17°14	19°40	29° 1	29°13	6°R44	29°17	2°45	7°50	20° 9	20° 1	12°24	18°25	S 9
S 10	7 40 58	26°10'17	15°44	18°52	20° 0	29°13	29°23	6°44	29°18	2°44	7°51	20° 8	19°58	12°30	18°26	S 10
M11	7 44 55	27°11'14	28°12	20°31	20°21	29°23	29°33	6°44	29°18	2°42	7°51	20° 7	19°54	12°37	18°27	M11
T 12	7 48 51	28°12'10	10♈56	22°11	20°45	29°34	29°43	6°44	29°19	2°40	7°52	20° 6	19°51	12°44	18°29	T 12
W13	7 52 48	29°13'04	23°59	23°51	21°10	29°43	29°53	6°43	29°19	2°38	7°52	20°D 6	19°48	12°50	18°30	W13
T 14	7 56 44	0♒13'57	7♉24	25°32	21°37	29°52	0♈ 4	6°43	29°20	2°37	7°53	20° 6	19°45	12°57	18°31	T 14
F 15	8 0 41	1°14'49	21°12	27°14	22° 5	0♎ 1	0°14	6°42	29°21	2°35	7°54	20° 7	19°42	13° 4	18°32	F 15
S 16	8 4 38	2°15'39	5♊24	28°56	22°35	0° 8	0°25	6°42	29°22	2°33	7°54	20° 7	19°39	13°10	18°34	S 16
S 17	8 8 34	3°16'27	19°59	0♒40	23° 7	0°15	0°36	6°41	29°22	2°32	7°55	20° 8	19°35	13°17	18°35	S 17
M18	8 12 31	4°17'14	4♋52	2°24	23°40	0°22	0°47	6°40	29°23	2°30	7°56	20° 9	19°32	13°24	18°37	M18
T 19	8 16 27	5°18'00	19°58	4° 9	24°14	0°28	0°58	6°39	29°24	2°28	7°57	20°R10	19°29	13°30	18°38	T 19
W20	8 20 24	6°18'44	5♌ 7	5°54	24°50	0°33	1° 9	6°38	29°25	2°27	7°57	20° 9	19°26	13°37	18°40	W20
T 21	8 24 20	7°19'27	20°10	7°40	25°28	0°38	1°20	6°37	29°26	2°25	7°58	20° 8	19°23	13°44	18°41	T 21
F 22	8 28 17	8°20'08	4♍59	9°28	26° 6	0°42	1°31	6°36	29°27	2°23	7°59	20° 6	19°19	13°50	18°43	F 22
S 23	8 32 13	9°20'48	19°26	11°15	26°46	0°45	1°43	6°34	29°28	2°22	8° 0	20° 3	19°16	13°57	18°45	S 23
S 24	8 36 10	10°21'27	3♎26	13° 4	27°26	0°47	1°54	6°33	29°29	2°20	8° 1	20° 1	19°13	14° 3	18°47	S 24
M25	8 40 7	11°22'05	16°59	14°53	28° 8	0°49	2° 6	6°31	29°31	2°18	8° 1	19°58	19°10	14°10	18°49	M25
T 26	8 44 3	12°22'41	0♏ 4	16°43	28°51	0°50	2°17	6°29	29°32	2°17	8° 2	19°57	19° 7	14°17	18°51	T 26
W27	8 48 0	13°23'16	12°45	18°34	29°36	0°R50	2°29	6°28	29°33	2°15	8° 3	19°D56	19° 4	14°23	18°53	W27
T 28	8 51 56	14°23'50	25° 6	20°25	0♑21	0°50	2°41	6°26	29°35	2°13	8° 4	19°56	19° 0	14°30	18°55	T 28
F 29	8 55 53	15°24'23	7♐10	22°16	1° 7	0°49	2°53	6°24	29°36	2°12	8° 5	19°58	18°57	14°37	18°57	F 29
S 30	8 59 49	16°24'55	19° 5	24° 7	1°53	0°47	3° 5	6°22	29°38	2°10	8° 6	19°59	18°54	14°43	18°59	S 30
S 31	9 3 46	17♒25'25	0♑52	25♒59	2♑41	0♎44	3♈17	6♎19	29♈39	2♌ 8	8♈ 7	20♑ 1	18♑51	14♑50	19♈ 1	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s28	23s57	4s10	24s39	1s10	17s15	5n49	3n46	2n53	1s59	1s17	0s23	2n30	10n49	0s28	19n37	0n 1	12s37	17s 8	22s 2	22s 0	23s51	8n 0	0n51
S 2	22 20	25 28	3 24	24 41	1 16	17 13	5 51	3 41	2 55	1 56	1 17	0 23	2 30	10 49	0 28	19 37	0 1	12 36	17 8	22 2	22 0	23 50	8 0	0 51
S 3	22 12	25 49	2 29	24 41	1 21	17 11	5 53	3 36	2 56	1 52	1 16	0 23	2 30	10 49	0 28	19 37	0 1	12 36	17 7	22 2	22 1	23 48	8 0	0 51
M 4	22 3	24 58	1 29	24 40	1 26	17 11	5 54	3 32	2 57	1 48	1 16	0 23	2 30	10 50	0 28	19 38	0 1	12 35	17 7	22 2	22 1	23 47	8 1	0 51
T 5	21 54	23 1	0 24	24 37	1 31	17 11	5 55	3 27	2 59	1 44	1 16	0 23	2 31	10 50	0 28	19 38	0 1	12 35	17 7	22 2	22 2	23 45	8 1	0 51
W 6	21 44	20 4	0n41	24 33	1 35	17 11	5 55	3 23	3 0	1 40	1 16	0 22	2 31	10 50	0 28	19 38	0 1	12 34	17 6	22 2	22 2	23 44	8 1	0 51
T 7	21 34	16 17	1 45	24 28	1 39	17 12	5 55	3 19	3 1	1 36	1 16	0 22	2 31	10 50	0 28	19 39	0 1	12 34	17 6	22 2	22 2	23 42	8 1	0 51
F 8	21 23	11 50	2 45	24 21	1 43	17 14	5 55	3 16	3 3	1 32	1 15	0 22	2 32	10 50	0 28	19 39	0 1	12 33	17 6	22 2	22 3	23 41	8 1	0 50
S 9	21 12	6 53	3 38	24 12	1 47	17 16	5 54	3 12	3 4	1 28	1 15	0 22	2 32	10 50	0 28	19 40	0 1	12 33	17 5	22 2	22 3	23 39	8 2	0 50
S 10	21 1	1 37	4 22	24 2	1 50	17 19	5 53	3 9	3 5	1 24	1 15	0 22	2 32	10 50	0 28	19 40	0 1	12 32	17 5	22 2	22 4	23 38	8 2	0 50
M11	20 49	3n47	4 55	23 51	1 53	17 22	5 51	3 6	3 7	1 19	1 15	0 21	2 32	10 51	0 28	19 40	0 1	12 32	17 5	22 2	22 4	23 36	8 2	0 50
T 12	20 37	9 9	5 14	23 37	1 56	17 25	5 50	3 3	3 8	1 15	1 14	0 21	2 33	10 51	0 28	19 41	0 1	12 31	17 4	22 3	22 5	23 35	8 3	0 50
W13	20 25	14 15	5 17	23 23	1 58	17 29	5 47	3 0	3 10	1 11	1 14	0 20	2 33	10 51	0 28	19 41	0 1	12 31	17 4	22 3	22 5	23 33	8 3	0 50
T 14	20 12	18 49	5 3	23 6	2 0	17 33	5 45	2 58	3 11	1 6	1 14	0 20	2 33	10 51	0 28	19 42	0 1	12 30	17 4	22 3	22 6	23 32	8 3	0 50
F 15	19 59	22 31	4 32	22 48	2 1	17 37	5 42	2 56	3 12	1 2	1 14	0 20	2 34	10 52	0 28	19 42	0 1	12 30	17 3	22 3	22 6	23 30	8 4	0 50
S 16	19 45	24 59	3 44	22 28	2 3	17 42	5 39	2 54	3 14	0 58	1 14	0 19	2 34	10 52	0 28	19 42	0 1	12 29	17 3	22 2	22 7	23 29	8 4	0 49
S 17	19 31	25 50	2 40	22 7	2 3	17 47	5 36	2 52	3 15	0 53	1 13	0 18	2 34	10 52	0 28	19 43	0 1	12 29	17 3	22 2	22 7	23 27	8 5	0 49
M18	19 17	24 52	1 24	21 44	2 4	17 52	5 33	2 51	3 16	0 48	1 13	0 18	2 34	10 53	0 28	19 43	0 1	12 28	17 2	22 2	22 8	23 26	8 5	0 49
T 19	19 2	22 5	0 1	21 19	2 4	17 57	5 29	2 50	3 18	0 44	1 13	0 17	2 35	10 53	0 28	19 44	0 1	12 27	17 2	22 2	22 8	23 24	8 6	0 49
W20	18 47	17 45	1s22	20 53	2 3	18 2	5 26	2 49	3 19	0 39	1 13	0 17	2 35	10 53	0 28	19 44	0 1	12 27	17 2	22 2	22 9	23 23	8 6	0 49
T 21	18 32	12 19	2 39	20 24	2 2	18 7	5 22	2 48	3 20	0 35	1 13	0 16	2 35	10 54	0 28	19 44	0 1	12 26	17 1	22 2	22 9	23 21	8 7	0 49
F 22	18 16	6 16	3 43	19 55	2 1	18 13	5 18	2 48	3 22	0 30	1 12	0 15	2 36	10 54	0 28	19 45	0 1	12 26	17 1	22 3	22 9	23 19	8 7	0 49
S 23	18 0	0 2	4 32	19 23	1 59	18 18	5 13	2 48	3 23	0 25	1 12	0 14	2 36	10 55	0 28	19 45	0 1	12 25	17 1	22 3	22 10	23 18	8 8	0 49
S 24	17 44	6s 0	5 3	18 50	1 56	18 23	5 9	2 48	3 24	0 21	1 12	0 13	2 36	10 55	0 28	19 46	0 1	12 24	17 0	22 3	22 10	23 16	8 8	0 48
M25	17 27	11 33	5 15	18 15	1 53	18 28	5 4	2 49	3 25	0 16	1 12	0 13	2 36	10 55	0 28	19 46	0 1	12 24	17 0	22 4	22 11	23 15	8 9	0 48
T 26	17 10	16 24	5 11	17 38	1 49	18 33	5 0	2 49	3 27	0 11	1 12	0 12	2 37	10 56	0 28	19 46	0 1	12 23	17 0	22 4	22 11	23 13	8 10	0 48
W27	16 53	20 21	4 51	17 0	1 45	18 38	4 55	2 50	3 28	0 6	1 12	0 11	2 37	10 56	0 28	19 47	0 1	12 23	16 59	22 4	22 12	23 12	8 10	0 48
T 28	16 36	23 18	4 18	16 21	1 41	18 43	4 50	2 52	3 29	0 1	1 11	0 10	2 37	10 57	0 27	19 47	0 1	12 22	16 59	22 4	22 12	23 10	8 11	0 48
F 29	16 18	25 9	3 35	15 39	1 35	18 48	4 45	2 53	3 30	0n 4	1 11	0 9	2 37	10 57	0 27	19 48	0 1	12 21	16 59	22 4	22 13	23 8	8 12	0 48
S 30	16 0	25 48	2 42	14 57	1 29	18 53	4 40	2 55	3 32	0 9	1 11	0 8	2 38	10 58	0 27	19 48	0 2	12 21	16 59	22 4	22 13	23 7	8 12	0 48
S 31	15s41	25s17	1s44	14s13	1s22	18s57	4n35	2n57	3n33	0n14	1s11	0s 7	2n38	10n59	0s27	19n48	0n 2	12s20	16s58	22s 3	22s13	23s 5	8n13	0n48

Julian Day Number = 2122102.5, Delta T = 17m49s
Ecliptic obliquity = 23°33'25, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°09'57, Lahiri = 11°16'57 Julian Calendar 1 Jan. 1098 == Greg. Calendar 7 Jan. 1098

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1098
geocentric

FEBRUARY 1098 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 7 42	18♒25'53	12♑38	27♒51	3♑30	0°R41	3♈29	6°R17	29♈41	2°R 7	8♈ 8	20♑ 2	18♑48	14♑57	19♈ 3	M 1
T 2	9 11 39	19°26'20	24°26	29°42	4°19	0♎36	3°41	6♎15	29°42	2♌ 5	8° 9	20°R 3	18°45	15° 3	19° 5	T 2
W 3	9 15 36	20°26'45	6♒18	1♓33	5° 9	0°31	3°54	6°12	29°44	2° 4	8°10	20° 1	18°41	15°10	19° 8	W 3
T 4	9 19 32	21°27'09	18°18	3°23	6° 0	0°26	4° 6	6°10	29°46	2° 2	8°11	19°58	18°38	15°17	19°10	T 4
F 5	9 23 29	22°27'31	0♓27	5°12	6°52	0°19	4°19	6° 7	29°47	2° 0	8°12	19°54	18°35	15°23	19°12	F 5
S 6	9 27 25	23°27'51	12°46	6°59	7°44	0°12	4°31	6° 5	29°49	1°59	8°13	19°48	18°32	15°30	19°15	S 6
S 7	9 31 22	24°28'10	25°16	8°44	8°37	0° 3	4°44	6° 2	29°51	1°57	8°14	19°42	18°29	15°37	19°17	S 7
M 8	9 35 18	25°28'26	7♈59	10°27	9°31	29♍54	4°57	5°59	29°53	1°56	8°15	19°36	18°25	15°43	19°20	M 8
T 9	9 39 15	26°28'40	20°54	12° 7	10°25	29°45	5° 9	5°56	29°55	1°54	8°16	19°30	18°22	15°50	19°22	T 9
W10	9 43 11	27°28'53	4♉ 4	13°44	11°20	29°34	5°22	5°53	29°57	1°53	8°17	19°26	18°19	15°56	19°25	W10
T 11	9 47 8	28°29'03	17°29	15°16	12°15	29°23	5°35	5°50	29°59	1°51	8°18	19°24	18°16	16° 3	19°28	T 11
F 12	9 51 5	29°29'11	1♊11	16°44	13°11	29°11	5°48	5°46	0♉ 1	1°50	8°20	19°D23	18°13	16°10	19°30	F 12
S 13	9 55 1	0♓29'17	15° 9	18° 7	14° 7	28°58	6° 1	5°43	0° 3	1°48	8°21	19°24	18°10	16°16	19°33	S 13
S 14	9 58 58	1°29'21	29°24	19°25	15° 4	28°45	6°14	5°40	0° 5	1°47	8°22	19°26	18° 6	16°23	19°36	S 14
M15	10 2 54	2°29'22	13♋54	20°35	16° 1	28°31	6°28	5°36	0° 7	1°46	8°23	19°R27	18° 3	16°30	19°39	M15
T 16	10 6 51	3°29'22	28°36	21°40	16°59	28°16	6°41	5°33	0° 9	1°44	8°24	19°26	18° 0	16°36	19°42	T 16
W17	10 10 47	4°29'19	13♌25	22°36	17°57	28° 0	6°54	5°29	0°12	1°43	8°25	19°24	17°57	16°43	19°44	W17
T 18	10 14 44	5°29'14	28°14	23°25	18°56	27°44	7° 7	5°26	0°14	1°42	8°27	19°20	17°54	16°50	19°47	T 18
F 19	10 18 40	6°29'07	12♍54	24° 7	19°55	27°27	7°21	5°22	0°16	1°40	8°28	19°14	17°51	16°56	19°50	F 19
S 20	10 22 37	7°28'58	27°18	24°39	20°54	27° 9	7°34	5°18	0°19	1°39	8°29	19° 6	17°47	17° 3	19°53	S 20
S 21	10 26 34	8°28'47	11♎21	25° 3	21°54	26°51	7°48	5°14	0°21	1°38	8°30	18°58	17°44	17°10	19°56	S 21
M22	10 30 30	9°28'35	24°58	25°19	22°55	26°32	8° 1	5°10	0°23	1°36	8°32	18°50	17°41	17°16	19°59	M22
T 23	10 34 27	10°28'20	8♏ 9	25°R26	23°55	26°13	8°15	5° 6	0°26	1°35	8°33	18°44	17°38	17°23	20° 3	T 23
W24	10 38 23	11°28'04	20°55	25°24	24°56	25°53	8°28	5° 2	0°28	1°34	8°34	18°39	17°35	17°29	20° 6	W24
T 25	10 42 20	12°27'46	3♐19	25°14	25°58	25°33	8°42	4°58	0°31	1°33	8°35	18°37	17°31	17°36	20° 9	T 25
F 26	10 46 16	13°27'27	15°26	24°56	26°59	25°12	8°56	4°54	0°34	1°31	8°37	18°D36	17°28	17°43	20°12	F 26
S 27	10 50 13	14°27'05	27°21	24°31	28° 1	24°51	9°10	4°50	0°36	1°30	8°38	18°37	17°25	17°49	20°15	S 27
S 28	10 54 9	15♓26'42	9♑ 9	23♓59	29♑ 3	24♍29	9♈23	4♎46	0♉39	1♌29	8♈39	18♑38	17♑22	17♑56	20♈19	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	15s23	23s38	0s41	13s27	1s15	19s 1	4n29	3n 0	3n34	0n19	1s11	0s 5	2n38	10n59	0s27	19n49	0n 2	12s19	16s58	22s 3	22s14	23s 4	8n14	0n48	M 1
T 2	15 4	20 57	0n24	12 41	1 7	19 5	4 24	3 3	3 35	0 24	1 11	0 4	2 38	11 0	0 27	19 49	0 2	12 19	16 58	22 3	22 14	23 2	8 14	0 47	T 2
W 3	14 45	17 22	1 28	11 53	0 58	19 9	4 19	3 6	3 36	0 29	1 10	0 3	2 39	11 0	0 27	19 49	0 2	12 18	16 57	22 3	22 15	23 0	8 15	0 47	W 3
T 4	14 25	13 4	2 29	11 5	0 49	19 12	4 13	3 9	3 37	0 34	1 10	0 2	2 39	11 1	0 27	19 50	0 2	12 18	16 57	22 4	22 15	22 59	8 16	0 47	T 4
F 5	14 6	8 12	3 23	10 15	0 39	19 15	4 8	3 12	3 38	0 39	1 10	0 1	2 39	11 2	0 27	19 50	0 2	12 17	16 57	22 4	22 16	22 57	8 17	0 47	F 5
S 6	13 46	2 58	4 9	9 26	0 28	19 18	4 2	3 16	3 39	0 44	1 10	0n 1	2 39	11 2	0 27	19 50	0 2	12 16	16 57	22 5	22 16	22 55	8 18	0 47	S 6
S 7	13 26	2n27	4 44	8 36	0 17	19 20	3 57	3 20	3 40	0 49	1 10	0 2	2 39	11 3	0 27	19 51	0 2	12 16	16 56	22 6	22 17	22 54	8 19	0 47	S 7
M 8	13 6	7 50	5 5	7 46	0 5	19 23	3 51	3 25	3 41	0 55	1 10	0 3	2 40	11 4	0 27	19 51	0 2	12 15	16 56	22 7	22 17	22 52	8 19	0 47	M 8
T 9	12 45	13 0	5 11	6 56	0n 7	19 24	3 45	3 29	3 42	1 0	1 9	0 5	2 40	11 4	0 27	19 52	0 2	12 14	16 56	22 8	22 17	22 50	8 20	0 47	T 9
W10	12 24	17 39	5 1	6 7	0 20	19 26	3 39	3 34	3 43	1 5	1 9	0 6	2 40	11 5	0 27	19 52	0 2	12 14	16 56	22 8	22 18	22 49	8 21	0 47	W10
T 11	12 4	21 31	4 35	5 19	0 34	19 27	3 34	3 40	3 43	1 10	1 9	0 8	2 40	11 6	0 27	19 52	0 2	12 13	16 55	22 9	22 18	22 47	8 22	0 46	T 11
F 12	11 42	24 17	3 52	4 32	0 47	19 27	3 28	3 45	3 44	1 16	1 9	0 9	2 41	11 7	0 27	19 53	0 2	12 12	16 55	22 9	22 19	22 45	8 23	0 46	F 12
S 13	11 21	25 38	2 55	3 47	1 1	19 27	3 22	3 51	3 45	1 21	1 9	0 11	2 41	11 7	0 27	19 53	0 2	12 12	16 55	22 9	22 19	22 44	8 24	0 46	S 13
S 14	11 0	25 20	1 47	3 3	1 16	19 27	3 16	3 57	3 45	1 26	1 9	0 12	2 41	11 8	0 27	19 53	0 2	12 11	16 55	22 9	22 20	22 42	8 25	0 46	S 14
M15	10 38	23 20	0 30	2 22	1 30	19 27	3 10	4 3	3 46	1 32	1 9	0 14	2 41	11 9	0 27	19 54	0 2	12 10	16 55	22 8	22 20	22 40	8 26	0 46	M15
T 16	10 17	19 44	0s50	1 44	1 44	19 25	3 4	4 9	3 46	1 37	1 9	0 15	2 41	11 10	0 27	19 54	0 2	12 10	16 54	22 8	22 20	22 39	8 27	0 46	T 16
W17	9 55	14 52	2 6	1 9	1 58	19 24	2 58	4 16	3 47	1 42	1 8	0 17	2 42	11 11	0 27	19 54	0 2	12 9	16 54	22 9	22 21	22 37	8 28	0 46	W17
T 18	9 33	9 7	3 14	0 37	2 12	19 22	2 53	4 23	3 47	1 48	1 8	0 18	2 42	11 11	0 27	19 55	0 2	12 8	16 54	22 9	22 21	22 35	8 29	0 46	T 18
F 19	9 11	2 55	4 9	0 8	2 25	19 19	2 47	4 30	3 47	1 53	1 8	0 20	2 42	11 12	0 27	19 55	0 2	12 8	16 54	22 10	22 22	22 34	8 30	0 46	F 19
S 20	8 48	3s17	4 46	0n16	2 37	19 16	2 41	4 37	3 47	1 59	1 8	0 22	2 42	11 13	0 27	19 55	0 2	12 7	16 54	22 11	22 22	22 32	8 31	0 46	S 20
S 21	8 26	9 11	5 5	0 37	2 49	19 13	2 35	4 44	3 48	2 4	1 8	0 23	2 42	11 14	0 27	19 55	0 2	12 6	16 53	22 13	22 23	22 30	8 32	0 45	S 21
M22	8 3	14 27	5 6	0 53	3 0	19 9	2 29	4 52	3 48	2 10	1 8	0 25	2 42	11 15	0 27	19 56	0 2	12 6	16 53	22 14	22 23	22 28	8 33	0 45	M22
T 23	7 41	18 52	4 50	1 4	3 10	19 5	2 23	4 59	3 47	2 15	1 8	0 27	2 43	11 16	0 27	19 56	0 2	12 5	16 53	22 14	22 23	22 27	8 34	0 45	T 23
W24	7 18	22 15	4 21	1 12	3 18	19 0	2 18	5 7	3 47	2 21	1 8	0 28	2 43	11 17	0 27	19 56	0 2	12 5	16 53	22 15	22 24	22 25	8 35	0 45	W24
T 25	6 55	24 30	3 39	1 14	3 25	18 54	2 12	5 15	3 47	2 26	1 7	0 30	2 43	11 18	0 27	19 57	0 2	12 4	16 53	22 15	22 24	22 23	8 36	0 45	T 25
F 26	6 32	25 33	2 49	1 12	3 31	18 48	2 6	5 23	3 47	2 32	1 7	0 32	2 43	11 18	0 27	19 57	0 2	12 3	16 52	22 15	22 25	22 21	8 38	0 45	F 26
S 27	6 9	25 24	1 52	1 6	3 35	18 42	2 0	5 31	3 46	2 37	1 7	0 34	2 43	11 19	0 27	19 57	0 2	12 3	16 52	22 15	22 25	22 20	8 39	0 45	S 27
S 28	5s46	24s 5	0s51	0n55	3n37	18s35	1n54	5n39	3n46	2n43	1s 7	0n36	2n43	11n20	0s27	19n57	0n 2	12s 2	16s52	22s15	22s25	22s18	8n40	0n45	S 28

Julian Day Number = 2122133.5, Delta T = 17m48s
Ecliptic obliquity = 23°33'25, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°10'01, Lahiri = 11°17'02 Julian Calendar 1 Feb. 1098 == Greg. Calendar 7 Feb. 1098

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1098
geocentric

MARCH 1098 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 58 6	16♓26'17	20♉55	23°R21	0♒ 6	24°R 7	9♈37	4°R42	0♋41	1°R28	8♈41	18°R38	17♉19	18♉ 3	20♈22	M 1
T 2	11 2 3	17°25'50	2♒45	22♓38	1° 9	23♍45	9°51	4♎37	0°44	1♌27	8°42	18♉37	17°16	18° 9	20°25	T 2
W 3	11 5 59	18°25'21	14°43	21°50	2°12	23°22	10° 5	4°33	0°47	1°26	8°43	18°34	17°12	18°16	20°28	W 3
T 4	11 9 56	19°24'51	26°51	21° 0	3°15	22°59	10°19	4°29	0°50	1°25	8°45	18°28	17° 9	18°23	20°32	T 4
F 5	11 13 52	20°24'18	9♓13	20° 8	4°19	22°36	10°33	4°24	0°53	1°24	8°46	18°19	17° 6	18°29	20°35	F 5
S 6	11 17 49	21°23'43	21°48	19°15	5°23	22°13	10°47	4°20	0°55	1°23	8°47	18° 9	17° 3	18°36	20°39	S 6
S 7	11 21 45	22°23'06	4♈39	18°23	6°27	21°50	11° 1	4°15	0°58	1°22	8°49	17°57	17° 0	18°43	20°42	S 7
M 8	11 25 42	23°22'27	17°42	17°31	7°31	21°26	11°15	4°11	1° 1	1°21	8°50	17°46	16°56	18°49	20°46	M 8
T 9	11 29 38	24°21'46	0♉59	16°42	8°36	21° 3	11°29	4° 6	1° 4	1°20	8°51	17°36	16°53	18°56	20°49	T 9
W10	11 33 35	25°21'03	14°26	15°57	9°40	20°40	11°43	4° 2	1° 7	1°19	8°53	17°27	16°50	19° 3	20°53	W10
T 11	11 37 31	26°20'17	28° 4	15°14	10°45	20°16	11°58	3°57	1°10	1°19	8°54	17°22	16°47	19° 9	20°56	T 11
F 12	11 41 28	27°19'29	11♊51	14°37	11°50	19°53	12°12	3°53	1°13	1°18	8°56	17°19	16°44	19°16	21° 0	F 12
S 13	11 45 25	28°18'39	25°47	14° 4	12°56	19°30	12°26	3°48	1°16	1°17	8°57	17°D18	16°41	19°22	21° 3	S 13
S 14	11 49 21	29°17'46	9♋52	13°36	14° 1	19° 8	12°40	3°43	1°19	1°16	8°58	17°R18	16°37	19°29	21° 7	S 14
M15	11 53 18	0♈16'51	24° 5	13°14	15° 7	18°45	12°54	3°39	1°22	1°15	9° 0	17°18	16°34	19°36	21°10	M15
T 16	11 57 14	1°15'53	8♌24	12°58	16°13	18°23	13° 9	3°34	1°25	1°15	9° 1	17°16	16°31	19°42	21°14	T 16
W17	12 1 11	2°14'53	22°47	12°46	17°19	18° 1	13°23	3°30	1°28	1°14	9° 3	17°13	16°28	19°49	21°18	W17
T 18	12 5 7	3°13'51	7♍10	12°41	18°25	17°40	13°37	3°25	1°31	1°14	9° 4	17° 6	16°25	19°56	21°21	T 18
F 19	12 9 4	4°12'47	21°27	12°D41	19°31	17°19	13°52	3°20	1°35	1°13	9° 5	16°57	16°22	20° 2	21°25	F 19
S 20	12 13 0	5°11'40	5♎34	12°46	20°38	16°59	14° 6	3°16	1°38	1°12	9° 7	16°45	16°18	20° 9	21°29	S 20
S 21	12 16 57	6°10'31	19°24	12°57	21°44	16°39	14°20	3°11	1°41	1°12	9° 8	16°33	16°15	20°16	21°32	S 21
M22	12 20 54	7° 9'21	2♏54	13°12	22°51	16°19	14°35	3° 6	1°44	1°11	9°10	16°22	16°12	20°22	21°36	M22
T 23	12 24 50	8° 8'08	16° 1	13°33	23°58	16° 0	14°49	3° 2	1°47	1°11	9°11	16°11	16° 9	20°29	21°40	T 23
W24	12 28 47	9° 6'54	28°46	13°58	25° 5	15°42	15° 3	2°57	1°51	1°10	9°13	16° 4	16° 6	20°36	21°44	W24
T 25	12 32 43	10° 5'38	11♐11	14°27	26°13	15°24	15°18	2°53	1°54	1°10	9°14	15°58	16° 2	20°42	21°47	T 25
F 26	12 36 40	11° 4'20	23°20	15° 1	27°20	15° 7	15°32	2°48	1°57	1°10	9°15	15°56	15°59	20°49	21°51	F 26
S 27	12 40 36	12° 3'01	5♑16	15°38	28°28	14°50	15°46	2°44	2° 1	1° 9	9°17	15°55	15°56	20°55	21°55	S 27
S 28	12 44 33	13° 1'39	17° 5	16°20	29°35	14°35	16° 1	2°39	2° 4	1° 9	9°18	15°55	15°53	21° 2	21°59	S 28
M29	12 48 29	14° 0'16	28°53	17° 5	0♓43	14°20	16°15	2°35	2° 7	1° 9	9°20	15°54	15°50	21° 9	22° 2	M29
T 30	12 52 26	14°58'52	10♒46	17°53	1°51	14° 5	16°30	2°30	2°11	1° 9	9°21	15°53	15°47	21°15	22° 6	T 30
W31	12 56 23	15♈57'25	22♒47	18♓45	2♓59	13♍51	16♈44	2♎26	2♋14	1♌ 8	9♈22	15♉49	15♉43	21♉22	22♈10	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s23	21s43	0n12	0n40	3n37	18s27	1n49	5n47	3n45	2n48	1s 7	0n37	2n43	11n21	0s27	19n58	0n 2	12s 1	16s52	22s15	22s26	22s16	8n41	0n45
T 2	4 59	18 25	1 15	0 21	3 36	18 19	1 43	5 56	3 45	2 54	1 7	0 39	2 44	11 22	0 27	19 58	0 2	12 1	16 52	22 15	22 26	22 14	8 42	0 45
W 3	4 36	14 21	2 15	0s 0	3 32	18 11	1 38	6 4	3 44	2 59	1 7	0 41	2 44	11 23	0 27	19 58	0 2	12 0	16 52	22 16	22 27	22 13	8 43	0 44
T 4	4 13	9 39	3 10	0 25	3 27	18 2	1 32	6 12	3 43	3 5	1 7	0 43	2 44	11 24	0 27	19 58	0 2	11 59	16 52	22 17	22 27	22 11	8 45	0 44
F 5	3 49	4 30	3 56	0 52	3 20	17 53	1 26	6 21	3 42	3 10	1 7	0 45	2 44	11 25	0 27	19 59	0 2	11 59	16 52	22 18	22 27	22 9	8 46	0 44
S 6	3 26	0n54	4 32	1 21	3 11	17 43	1 21	6 29	3 41	3 16	1 7	0 47	2 44	11 26	0 27	19 59	0 2	11 58	16 51	22 19	22 28	22 7	8 47	0 44
S 7	3 2	6 22	4 55	1 51	3 1	17 32	1 15	6 37	3 40	3 22	1 7	0 48	2 44	11 27	0 27	19 59	0 2	11 57	16 51	22 21	22 28	22 5	8 48	0 44
M 8	2 39	11 38	5 3	2 22	2 49	17 21	1 10	6 45	3 38	3 27	1 6	0 50	2 44	11 28	0 26	19 59	0 2	11 57	16 51	22 22	22 29	22 4	8 49	0 44
T 9	2 15	16 28	4 55	2 53	2 36	17 10	1 5	6 53	3 37	3 33	1 6	0 52	2 44	11 29	0 26	19 59	0 2	11 56	16 51	22 24	22 29	22 2	8 51	0 44
W10	1 51	20 33	4 30	3 23	2 22	16 58	0 59	7 1	3 36	3 39	1 6	0 54	2 44	11 30	0 26	20 0	0 2	11 56	16 51	22 25	22 29	22 0	8 52	0 44
T 11	1 28	23 34	3 50	3 53	2 8	16 45	0 54	7 9	3 34	3 44	1 6	0 56	2 44	11 31	0 26	20 0	0 2	11 55	16 51	22 25	22 30	21 58	8 53	0 44
F 12	1 4	25 14	2 57	4 21	1 53	16 32	0 49	7 17	3 32	3 50	1 6	0 58	2 44	11 33	0 26	20 0	0 2	11 54	16 51	22 26	22 30	21 56	8 54	0 44
S 13	0 41	25 21	1 52	4 48	1 37	16 19	0 44	7 24	3 31	3 55	1 6	1 0	2 44	11 34	0 26	20 0	0 2	11 54	16 51	22 26	22 31	21 55	8 56	0 44
S 14	0 17	23 51	0 39	5 13	1 21	16 5	0 39	7 31	3 29	4 1	1 6	1 2	2 45	11 35	0 26	20 0	0 2	11 53	16 51	22 26	22 31	21 53	8 57	0 43
M15	0n 7	20 49	0s36	5 37	1 6	15 51	0 34	7 39	3 27	4 7	1 6	1 3	2 45	11 36	0 26	20 1	0 2	11 53	16 51	22 26	22 31	21 51	8 58	0 43
T 16	0 30	16 29	1 49	5 57	0 50	15 36	0 29	7 45	3 25	4 12	1 6	1 5	2 45	11 37	0 26	20 1	0 2	11 52	16 51	22 26	22 32	21 49	8 59	0 43
W17	0 54	11 13	2 56	6 16	0 34	15 20	0 24	7 52	3 23	4 18	1 6	1 7	2 45	11 38	0 26	20 1	0 2	11 51	16 51	22 27	22 32	21 47	9 1	0 43
T 18	1 17	5 20	3 52	6 32	0 19	15 5	0 19	7 59	3 21	4 24	1 6	1 9	2 45	11 39	0 26	20 1	0 2	11 51	16 50	22 27	22 33	21 45	9 2	0 43
F 19	1 41	0s46	4 32	6 46	0 5	14 49	0 14	8 5	3 19	4 29	1 6	1 11	2 45	11 40	0 26	20 1	0 2	11 50	16 50	22 29	22 33	21 44	9 3	0 43
S 20	2 4	6 44	4 55	6 57	0s10	14 32	0 10	8 11	3 17	4 35	1 6	1 13	2 45	11 41	0 26	20 1	0 2	11 50	16 50	22 30	22 33	21 42	9 5	0 43
S 21	2 28	12 15	5 1	7 6	0 24	14 15	0 5	8 17	3 14	4 40	1 6	1 15	2 45	11 42	0 26	20 1	0 2	11 49	16 50	22 32	22 34	21 40	9 6	0 43
M22	2 51	17 3	4 49	7 12	0 37	13 57	0 1	8 22	3 12	4 46	1 5	1 17	2 45	11 44	0 26	20 2	0 2	11 49	16 50	22 33	22 34	21 38	9 7	0 43
T 23	3 15	20 53	4 22	7 16	0 49	13 39	0s 4	8 28	3 10	4 52	1 5	1 18	2 45	11 45	0 26	20 2	0 2	11 48	16 50	22 34	22 35	21 36	9 9	0 43
W24	3 38	23 36	3 42	7 17	1 1	13 21	0 8	8 32	3 7	4 57	1 5	1 20	2 45	11 46	0 26	20 2	0 2	11 47	16 50	22 35	22 35	21 34	9 10	0 43
T 25	4 1	25 5	2 53	7 16	1 13	13 2	0 12	8 37	3 5	5 3	1 5	1 22	2 45	11 47	0 26	20 2	0 2	11 47	16 50	22 36	22 35	21 32	9 11	0 43
F 26	4 24	25 20	1 57	7 13	1 24	12 43	0 17	8 42	3 2	5 8	1 5	1 24	2 45	11 48	0 26	20 2	0 2	11 46	16 50	22 36	22 36	21 30	9 13	0 42
S 27	4 47	24 23	0 56	7 8	1 34	12 24	0 21	8 46	3 0	5 14	1 5	1 26	2 45	11 49	0 26	20 2	0 2	11 46	16 50	22 36	22 36	21 29	9 14	0 42
S 28	5 10	22 21	0n 6	7 0	1 43	12 4	0 25	8 49	2 57	5 20	1 5	1 27	2 45	11 50	0 26	20 2	0 2	11 45	16 50	22 36	22 36	21 27	9 15	0 42
M29	5 33	19 22	1 8	6 50	1 52	11 43	0 29	8 53	2 55	5 25	1 5	1 29	2 45	11 52	0 26	20 2	0 2	11 45	16 50	22 36	22 37	21 25	9 17	0 42
T 30	5 56	15 35	2 8	6 39	2 0	11 23	0 33	8 56	2 52	5 31	1 5	1 31	2 45	11 53	0 26	20 2	0 2	11 44	16 50	22 36	22 37	21 23	9 18	0 42
W31	6n18	11s 7	3n 2	6s25	2s 7	11s 2	0s37	8n59	2n49	5n36	1s 5	1n33	2n45	11n54	0s26	20n 2	0n 2	11s44	16s50	22s37	22s38	21s21	9n19	0n42

Julian Day Number = 2122161.5, Delta T = 17m48s
Ecliptic obliquity = 23°33'26, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°10'05, Lahiri = 11°17'05 Julian Calendar 1 March 1098 == Greg. Calendar 7 March 1098

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1098
geocentric

APRIL 1098 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 0 19	16♈55'57	5♓ 2	19♓40	4♓ 7	13°R38	16♈58	2°R21	2♉17	1°R 8	9♈24	15°R42	15♑40	21♑29	22♈14	T 1
F 2	13 4 16	17°54'27	17°33	20°38	5°15	13♍26	17°13	2♎17	2°21	1♌ 8	9°25	15♑33	15°37	21°35	22°18	F 2
S 3	13 8 12	18°52'55	0♈23	21°39	6°23	13°15	17°27	2°12	2°24	1° 8	9°27	15°22	15°34	21°42	22°21	S 3
S 4	13 12 9	19°51'21	13°32	22°43	7°32	13° 4	17°42	2° 8	2°27	1° 8	9°28	15° 9	15°31	21°49	22°25	S 4
M 5	13 16 5	20°49'46	26°58	23°49	8°40	12°54	17°56	2° 4	2°31	1° 8	9°29	14°57	15°28	21°55	22°29	M 5
T 6	13 20 2	21°48'08	10♉39	24°58	9°49	12°45	18°10	2° 0	2°34	1°D 8	9°31	14°45	15°24	22° 2	22°33	T 6
W 7	13 23 58	22°46'29	24°32	26°10	10°58	12°37	18°25	1°55	2°38	1° 8	9°32	14°36	15°21	22° 9	22°37	W 7
T 8	13 27 55	23°44'48	8♊32	27°23	12° 6	12°30	18°39	1°51	2°41	1° 8	9°34	14°29	15°18	22°15	22°41	T 8
F 9	13 31 52	24°43'05	22°36	28°39	13°15	12°23	18°53	1°47	2°45	1° 8	9°35	14°26	15°15	22°22	22°44	F 9
S 10	13 35 48	25°41'19	6♋43	29°58	14°24	12°17	19° 8	1°43	2°48	1° 8	9°36	14°24	15°12	22°28	22°48	S 10
S 11	13 39 45	26°39'32	20°51	1♈18	15°33	12°12	19°22	1°39	2°52	1° 8	9°38	14°24	15° 8	22°35	22°52	S 11
M12	13 43 41	27°37'42	4♌57	2°41	16°42	12° 8	19°36	1°35	2°55	1° 8	9°39	14°24	15° 5	22°42	22°56	M12
T 13	13 47 38	28°35'51	19° 3	4° 6	17°51	12° 5	19°51	1°31	2°58	1° 9	9°40	14°23	15° 2	22°48	23° 0	T 13
W14	13 51 34	29°33'57	3♍ 5	5°33	19° 1	12° 2	20° 5	1°28	3° 2	1° 9	9°42	14°19	14°59	22°55	23° 4	W14
T 15	13 55 31	0♉32'01	17° 3	7° 1	20°10	12° 0	20°19	1°24	3° 5	1° 9	9°43	14°13	14°56	23° 2	23° 7	T 15
F 16	13 59 27	1°30'03	0♎54	8°32	21°19	11°59	20°34	1°20	3° 9	1°10	9°44	14° 4	14°53	23° 8	23°11	F 16
S 17	14 3 24	2°28'04	14°35	10° 5	22°29	11°D59	20°48	1°16	3°12	1°10	9°46	13°54	14°49	23°15	23°15	S 17
S 18	14 7 20	3°26'03	28° 3	11°40	23°38	11°59	21° 2	1°13	3°16	1°10	9°47	13°42	14°46	23°22	23°19	S 18
M19	14 11 17	4°24'00	11♏15	13°17	24°48	12° 0	21°16	1° 9	3°19	1°11	9°48	13°31	14°43	23°28	23°22	M19
T 20	14 15 14	5°21'55	24° 9	14°56	25°58	12° 2	21°30	1° 6	3°23	1°11	9°50	13°21	14°40	23°35	23°26	T 20
W21	14 19 10	6°19'49	6♐46	16°37	27° 7	12° 5	21°44	1° 3	3°26	1°12	9°51	13°14	14°37	23°42	23°30	W21
T 22	14 23 7	7°17'42	19° 6	18°20	28°17	12° 8	21°59	0°59	3°30	1°12	9°52	13° 9	14°33	23°48	23°34	T 22
F 23	14 27 3	8°15'34	1♑12	20° 5	29°27	12°13	22°13	0°56	3°33	1°13	9°54	13° 6	14°30	23°55	23°37	F 23
S 24	14 31 0	9°13'24	13° 7	21°51	0♈37	12°17	22°27	0°53	3°37	1°13	9°55	13°D 5	14°27	24° 2	23°41	S 24
S 25	14 34 56	10°11'12	24°57	23°40	1°47	12°23	22°41	0°50	3°40	1°14	9°56	13° 6	14°24	24° 8	23°45	S 25
M26	14 38 53	11° 9'00	6♒46	25°31	2°57	12°29	22°55	0°47	3°44	1°15	9°57	13°R 6	14°21	24°15	23°49	M26
T 27	14 42 50	12° 6'46	18°39	27°24	4° 7	12°36	23° 9	0°44	3°47	1°15	9°59	13° 6	14°18	24°21	23°52	T 27
W28	14 46 46	13° 4'31	0♓42	29°19	5°17	12°43	23°23	0°41	3°50	1°16	10° 0	13° 4	14°14	24°28	23°56	W28
T 29	14 50 43	14° 2'15	13° 0	1♉15	6°28	12°52	23°37	0°38	3°54	1°17	10° 1	13° 1	14°11	24°35	24° 0	T 29
F 30	14 54 39	14♉59'58	25♓36	3♉14	7♈38	13♍ 0	23♈51	0♎36	3♉57	1♌17	10♈ 2	12♑55	14♑ 8	24♑41	24♈ 3	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n41	6s10	3n49	6s10	2s14	10s40	0s40	9n 1	2n47	5n42	1s 5	1n34	2n44	11n55	0s26	20n 2	0n 2	11s43	16s50	22s38	22s38	21s19	9n21	0n42
F 2	7 4	0 52	4 26	5 53	2 20	10 19	0 44	9 4	2 44	5 48	1 5	1 36	2 44	11 56	0 26	20 2	0 2	11 43	16 50	22 39	22 38	21 17	9 22	0 42
S 3	7 26	4n36	4 50	5 33	2 26	9 57	0 47	9 6	2 41	5 53	1 5	1 38	2 44	11 58	0 26	20 2	0 2	11 42	16 51	22 40	22 39	21 15	9 24	0 42
S 4	7 48	9 58	5 0	5 13	2 31	9 34	0 51	9 7	2 39	5 59	1 5	1 39	2 44	11 59	0 26	20 2	0 2	11 42	16 51	22 41	22 39	21 13	9 25	0 42
M 5	8 10	15 0	4 54	4 50	2 35	9 12	0 54	9 8	2 36	6 4	1 5	1 41	2 44	12 0	0 26	20 3	0 2	11 41	16 51	22 43	22 39	21 11	9 26	0 42
T 6	8 32	19 22	4 31	4 26	2 39	8 49	0 58	9 9	2 33	6 10	1 5	1 43	2 44	12 1	0 26	20 3	0 2	11 41	16 51	22 44	22 40	21 9	9 28	0 42
W 7	8 54	22 44	3 51	4 0	2 42	8 26	1 1	9 10	2 30	6 15	1 5	1 44	2 44	12 2	0 26	20 3	0 2	11 40	16 51	22 45	22 40	21 8	9 29	0 42
T 8	9 16	24 45	2 58	3 33	2 44	8 2	1 4	9 10	2 28	6 21	1 5	1 46	2 44	12 3	0 26	20 3	0 2	11 40	16 51	22 46	22 40	21 6	9 30	0 42
F 9	9 37	25 13	1 53	3 4	2 46	7 38	1 7	9 10	2 25	6 26	1 5	1 47	2 44	12 5	0 26	20 3	0 2	11 39	16 51	22 46	22 41	21 4	9 32	0 41
S 10	9 59	24 4	0 41	2 34	2 47	7 15	1 10	9 10	2 22	6 32	1 5	1 49	2 44	12 6	0 26	20 2	0 2	11 39	16 51	22 46	22 41	21 2	9 33	0 41
S 11	10 20	21 22	0s34	2 3	2 48	6 50	1 13	9 10	2 19	6 37	1 5	1 50	2 44	12 7	0 26	20 2	0 2	11 38	16 51	22 46	22 42	21 0	9 34	0 41
M12	10 41	17 24	1 47	1 30	2 48	6 26	1 15	9 9	2 17	6 42	1 5	1 52	2 44	12 8	0 26	20 2	0 2	11 38	16 51	22 46	22 42	20 58	9 36	0 41
T 13	11 2	12 27	2 53	0 55	2 47	6 1	1 18	9 7	2 14	6 48	1 5	1 53	2 43	12 9	0 26	20 2	0 2	11 38	16 51	22 47	22 42	20 56	9 37	0 41
W14	11 22	6 53	3 48	0 20	2 46	5 36	1 21	9 6	2 11	6 53	1 5	1 55	2 43	12 11	0 26	20 2	0 2	11 37	16 51	22 47	22 43	20 54	9 38	0 41
T 15	11 43	1 0	4 29	0n17	2 45	5 11	1 23	9 4	2 8	6 59	1 5	1 56	2 43	12 12	0 26	20 2	0 2	11 37	16 52	22 48	22 43	20 52	9 40	0 41
F 16	12 3	4s51	4 54	0 55	2 42	4 46	1 25	9 2	2 6	7 4	1 5	1 57	2 43	12 13	0 26	20 2	0 2	11 36	16 52	22 49	22 43	20 50	9 41	0 41
S 17	12 23	10 24	5 2	1 34	2 39	4 20	1 28	9 0	2 3	7 9	1 5	1 59	2 43	12 14	0 26	20 2	0 2	11 36	16 52	22 50	22 44	20 48	9 43	0 41
S 18	12 43	15 23	4 53	2 15	2 36	3 55	1 30	8 57	2 0	7 15	1 5	2 0	2 43	12 15	0 26	20 2	0 2	11 35	16 52	22 51	22 44	20 46	9 44	0 41
M19	13 3	19 31	4 28	2 56	2 32	3 29	1 32	8 54	1 58	7 20	1 5	2 1	2 43	12 17	0 26	20 2	0 2	11 35	16 52	22 52	22 44	20 44	9 45	0 41
T 20	13 22	22 36	3 50	3 39	2 28	3 3	1 34	8 51	1 55	7 25	1 5	2 3	2 43	12 18	0 26	20 2	0 2	11 35	16 52	22 53	22 45	20 42	9 47	0 41
W21	13 42	24 31	3 1	4 22	2 23	2 37	1 36	8 48	1 53	7 31	1 5	2 4	2 42	12 19	0 26	20 2	0 2	11 34	16 52	22 54	22 45	20 40	9 48	0 41
T 22	14 1	25 10	2 4	5 6	2 17	2 11	1 38	8 44	1 50	7 36	1 5	2 5	2 42	12 20	0 26	20 2	0 2	11 34	16 52	22 54	22 45	20 38	9 49	0 41
F 23	14 20	24 36	1 3	5 52	2 11	1 44	1 39	8 40	1 48	7 41	1 5	2 6	2 42	12 21	0 26	20 2	0 2	11 34	16 53	22 55	22 46	20 36	9 51	0 41
S 24	14 38	22 54	0n 0	6 38	2 4	1 18	1 41	8 36	1 45	7 46	1 5	2 7	2 42	12 23	0 26	20 1	0 2	11 33	16 53	22 55	22 46	20 34	9 52	0 40
S 25	14 57	20 13	1 3	7 25	1 57	0 51	1 43	8 32	1 43	7 52	1 5	2 8	2 42	12 24	0 26	20 1	0 2	11 33	16 53	22 55	22 46	20 32	9 53	0 40
M26	15 15	16 41	2 3	8 12	1 50	0 25	1 44	8 27	1 40	7 57	1 5	2 9	2 42	12 25	0 26	20 1	0 2	11 33	16 53	22 54	22 47	20 30	9 55	0 40
T 27	15 33	12 29	2 58	9 1	1 42	0n 2	1 45	8 22	1 38	8 2	1 5	2 10	2 41	12 26	0 26	20 1	0 2	11 32	16 53	22 54	22 47	20 28	9 56	0 40
W28	15 50	7 45	3 46	9 49	1 34	0 29	1 47	8 17	1 35	8 7	1 5	2 11	2 41	12 27	0 26	20 1	0 2	11 32	16 53	22 55	22 47	20 26	9 57	0 40
T 29	16 8	2 38	4 25	10 39	1 25	0 56	1 48	8 12	1 33	8 12	1 5	2 12	2 41	12 28	0 26	20 1	0 2	11 32	16 54	22 55	22 48	20 24	9 58	0 40
F 30	16n25	2n42	4n52	11n28	1s16	1n23	1s49	8n 6	1n30	8n17	1s 5	2n13	2n41	12n30	0s26	20n 1	0n 2	11s31	16s54	22s56	22s48	20s22	10n 0	0n40

Julian Day Number = 2122192.5, Delta T = 17m48s
Ecliptic obliquity = 23°33'25, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°10'09, Lahiri = 11°17'10 Julian Calendar 1 Apr. 1098 == Greg. Calendar 7 Apr. 1098

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1098
geocentric

MAY 1098 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 58 36	15♉57'39	8♈34	5♉14	8♈48	13♍10	24♈ 4	0°R33	4♉ 1	1♌18	10♈ 3	12°R47	14♑ 5	24♑48	24♈ 7	S 1
S 2	15 2 32	16°55'19	21°55	7°17	9°59	13°20	24°18	0♎31	4° 4	1°19	10° 5	12♑38	14° 2	24°55	24°11	S 2
M 3	15 6 29	17°52'59	5♉38	9°21	11° 9	13°30	24°32	0°28	4° 8	1°20	10° 6	12°29	13°59	25° 1	24°14	M 3
T 4	15 10 25	18°50'37	19°40	11°26	12°20	13°42	24°46	0°26	4°11	1°21	10° 7	12°20	13°55	25° 8	24°18	T 4
W 5	15 14 22	19°48'14	3♊56	13°33	13°30	13°54	24°59	0°24	4°14	1°22	10° 8	12°14	13°52	25°15	24°21	W 5
T 6	15 18 18	20°45'49	18°22	15°42	14°41	14° 6	25°13	0°22	4°18	1°23	10° 9	12° 9	13°49	25°21	24°25	T 6
F 7	15 22 15	21°43'24	2♋51	17°51	15°51	14°19	25°27	0°20	4°21	1°24	10°10	12° 7	13°46	25°28	24°28	F 7
S 8	15 26 12	22°40'57	17°18	20° 2	17° 2	14°33	25°40	0°18	4°24	1°25	10°11	12°D 7	13°43	25°35	24°32	S 8
S 9	15 30 8	23°38'28	1♌40	22°13	18°13	14°47	25°54	0°16	4°28	1°26	10°13	12° 8	13°39	25°41	24°35	S 9
M10	15 34 5	24°35'58	15°53	24°25	19°24	15° 2	26° 7	0°14	4°31	1°27	10°14	12° 9	13°36	25°48	24°39	M10
T 11	15 38 1	25°33'27	29°56	26°37	20°34	15°17	26°21	0°12	4°34	1°28	10°15	12°R 9	13°33	25°55	24°42	T 11
W12	15 41 58	26°30'54	13♍49	28°48	21°45	15°33	26°34	0°11	4°38	1°29	10°16	12° 8	13°30	26° 1	24°45	W12
T 13	15 45 54	27°28'20	27°30	1♊ 0	22°56	15°49	26°47	0° 9	4°41	1°30	10°17	12° 4	13°27	26° 8	24°49	T 13
F 14	15 49 51	28°25'44	10♎59	3°11	24° 7	16° 6	27° 1	0° 8	4°44	1°31	10°18	11°59	13°24	26°15	24°52	F 14
S 15	15 53 48	29°23'07	24°16	5°21	25°18	16°23	27°14	0° 7	4°47	1°33	10°19	11°53	13°20	26°21	24°55	S 15
S 16	15 57 44	0♊20'30	7♏20	7°30	26°29	16°40	27°27	0° 5	4°51	1°34	10°20	11°46	13°17	26°28	24°59	S 16
M17	16 1 41	1°17'51	20°10	9°37	27°40	16°59	27°40	0° 4	4°54	1°35	10°21	11°39	13°14	26°34	25° 2	M17
T 18	16 5 37	2°15'12	2♐46	11°43	28°51	17°17	27°53	0° 3	4°57	1°36	10°22	11°33	13°11	26°41	25° 5	T 18
W19	16 9 34	3°12'31	15° 9	13°48	0♑ 2	17°36	28° 6	0° 2	5° 0	1°38	10°23	11°29	13° 8	26°48	25° 8	W19
T 20	16 13 30	4° 9'50	27°20	15°50	1°13	17°56	28°19	0° 2	5° 3	1°39	10°24	11°26	13° 5	26°54	25°12	T 20
F 21	16 17 27	5° 7'08	9♑20	17°50	2°25	18°16	28°32	0° 1	5° 6	1°41	10°24	11°D25	13° 1	27° 1	25°15	F 21
S 22	16 21 23	6° 4'26	21°13	19°49	3°36	18°36	28°45	0° 0	5°10	1°42	10°25	11°25	12°58	27° 8	25°18	S 22
S 23	16 25 20	7° 1'43	3♒ 1	21°45	4°47	18°57	28°57	29♍59	5°13	1°43	10°26	11°27	12°55	27°14	25°21	S 23
M24	16 29 17	7°58'59	14°50	23°39	5°58	19°18	29°10	29°59	5°16	1°45	10°27	11°28	12°52	27°21	25°24	M24
T 25	16 33 13	8°56'15	26°43	25°30	7°10	19°39	29°23	29°59	5°19	1°46	10°28	11°30	12°49	27°28	25°27	T 25
W26	16 37 10	9°53'31	8♓46	27°19	8°21	20° 1	29°35	29°59	5°22	1°48	10°29	11°R31	12°45	27°34	25°30	W26
T 27	16 41 6	10°50'46	21° 4	29° 6	9°33	20°24	29°48	29°59	5°25	1°49	10°30	11°30	12°42	27°41	25°33	T 27
F 28	16 45 3	11°48'01	3♈40	0♋50	10°44	20°46	0♑ 0	29°D59	5°28	1°51	10°30	11°28	12°39	27°48	25°36	F 28
S 29	16 48 59	12°45'15	16°39	2°32	11°56	21° 9	0°13	29°59	5°31	1°52	10°31	11°25	12°36	27°54	25°39	S 29
S 30	16 52 56	13°42'30	0♑ 3	4°12	13° 7	21°33	0°25	29°59	5°34	1°54	10°32	11°22	12°33	28° 1	25°42	S 30
M31	16 56 52	14♊39'44	13♑52	5♋49	14♑19	21♍57	0♑37	29♍59	5♑36	1♌56	10♈33	11♑18	12♑30	28♑ 8	25♈44	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n42	8n 5	5n 5	12n18	1s 6	1n50	1s50	8n 0	1n28	8n23	1s 5	2n14	2n41	12n31	0s26	20n 0	0n 2	11s31	16s54	22s56	22s48	20s20	10n 1	0n40
S 2	16 58	13 14	5 2	13 7	0 56	2 17	1 51	7 54	1 26	8 28	1 5	2 15	2 40	12 32	0 26	20 0	0 3	11 31	16 54	22 57	22 49	20 18	10 2	0 40
M 3	17 15	17 53	4 41	13 57	0 46	2 44	1 51	7 48	1 23	8 33	1 5	2 16	2 40	12 33	0 26	20 0	0 3	11 31	16 54	22 58	22 49	20 16	10 4	0 40
T 4	17 31	21 39	4 4	14 46	0 36	3 11	1 52	7 41	1 21	8 38	1 5	2 16	2 40	12 34	0 26	20 0	0 3	11 30	16 55	22 59	22 49	20 14	10 5	0 40
W 5	17 46	24 9	3 10	15 35	0 25	3 38	1 53	7 35	1 19	8 43	1 5	2 17	2 40	12 35	0 26	20 0	0 3	11 30	16 55	22 59	22 50	20 11	10 6	0 40
T 6	18 2	25 7	2 4	16 23	0 15	4 4	1 53	7 28	1 17	8 48	1 5	2 18	2 40	12 37	0 26	19 59	0 3	11 30	16 55	23 0	22 50	20 9	10 7	0 40
F 7	18 17	24 21	0 50	17 10	0 4	4 31	1 54	7 21	1 15	8 53	1 5	2 18	2 39	12 38	0 26	19 59	0 3	11 30	16 55	23 0	22 50	20 7	10 9	0 40
S 8	18 32	21 58	0s28	17 56	0n 6	4 58	1 54	7 13	1 12	8 57	1 5	2 19	2 39	12 39	0 26	19 59	0 3	11 29	16 56	23 0	22 51	20 5	10 10	0 40
S 9	18 46	18 12	1 44	18 41	0 17	5 25	1 54	7 6	1 10	9 2	1 5	2 19	2 39	12 40	0 26	19 59	0 3	11 29	16 56	23 0	22 51	20 3	10 11	0 40
M10	19 1	13 25	2 52	19 24	0 27	5 52	1 54	6 58	1 8	9 7	1 5	2 20	2 39	12 41	0 26	19 59	0 3	11 29	16 56	23 0	22 51	20 1	10 12	0 40
T 11	19 15	7 58	3 49	20 6	0 37	6 18	1 54	6 50	1 6	9 12	1 5	2 20	2 39	12 42	0 26	19 58	0 3	11 29	16 56	23 0	22 52	19 59	10 14	0 39
W12	19 28	2 12	4 32	20 46	0 47	6 45	1 54	6 42	1 4	9 17	1 5	2 21	2 38	12 43	0 26	19 58	0 3	11 29	16 56	23 0	22 52	19 57	10 15	0 39
T 13	19 42	3s34	4 59	21 23	0 57	7 11	1 54	6 34	1 2	9 22	1 5	2 21	2 38	12 44	0 26	19 58	0 3	11 29	16 57	23 0	22 52	19 55	10 16	0 39
F 14	19 54	9 6	5 9	21 58	1 6	7 38	1 54	6 26	1 0	9 26	1 6	2 22	2 38	12 45	0 26	19 58	0 3	11 28	16 57	23 1	22 53	19 53	10 17	0 39
S 15	20 7	14 8	5 2	22 31	1 14	8 4	1 54	6 17	0 58	9 31	1 6	2 22	2 38	12 47	0 26	19 57	0 3	11 28	16 57	23 1	22 53	19 51	10 18	0 39
S 16	20 19	18 25	4 39	23 1	1 22	8 30	1 54	6 9	0 56	9 36	1 6	2 22	2 37	12 48	0 26	19 57	0 3	11 28	16 58	23 2	22 53	19 49	10 19	0 39
M17	20 31	21 46	4 3	23 28	1 29	8 56	1 53	6 0	0 54	9 40	1 6	2 22	2 37	12 49	0 26	19 57	0 3	11 28	16 58	23 3	22 54	19 46	10 21	0 39
T 18	20 43	24 0	3 15	23 53	1 36	9 22	1 53	5 51	0 52	9 45	1 6	2 23	2 37	12 50	0 26	19 57	0 3	11 28	16 58	23 3	22 54	19 44	10 22	0 39
W19	20 54	25 1	2 18	24 15	1 42	9 48	1 52	5 41	0 50	9 50	1 6	2 23	2 37	12 51	0 26	19 56	0 3	11 28	16 58	23 3	22 54	19 42	10 23	0 39
T 20	21 5	24 48	1 16	24 35	1 47	10 13	1 51	5 32	0 48	9 54	1 6	2 23	2 37	12 52	0 26	19 56	0 3	11 28	16 59	23 4	22 55	19 40	10 24	0 39
F 21	21 15	23 25	0 11	24 51	1 52	10 38	1 51	5 22	0 46	9 59	1 6	2 23	2 36	12 53	0 26	19 56	0 3	11 28	16 59	23 4	22 55	19 38	10 25	0 39
S 22	21 26	21 0	0n53	25 5	1 56	11 3	1 50	5 13	0 45	10 3	1 6	2 23	2 36	12 54	0 26	19 55	0 3	11 27	16 59	23 4	22 55	19 36	10 26	0 39
S 23	21 35	17 42	1 55	25 17	1 59	11 28	1 49	5 3	0 43	10 8	1 6	2 23	2 36	12 55	0 26	19 55	0 3	11 27	16 59	23 4	22 56	19 34	10 27	0 39
M24	21 45	13 43	2 53	25 25	2 1	11 53	1 48	4 53	0 41	10 12	1 6	2 23	2 36	12 56	0 26	19 55	0 3	11 27	17 0	23 3	22 56	19 32	10 28	0 39
T 25	21 54	9 10	3 43	25 32	2 3	12 17	1 47	4 43	0 39	10 17	1 6	2 23	2 35	12 57	0 26	19 54	0 3	11 27	17 0	23 3	22 56	19 29	10 29	0 39
W26	22 3	4 14	4 24	25 36	2 4	12 41	1 46	4 33	0 37	10 21	1 6	2 23	2 35	12 58	0 26	19 54	0 3	11 27	17 0	23 3	22 56	19 27	10 31	0 39
T 27	22 11	0n56	4 54	25 37	2 4	13 5	1 45	4 22	0 36	10 25	1 6	2 23	2 35	12 59	0 26	19 54	0 3	11 27	17 1	23 3	22 57	19 25	10 32	0 39
F 28	22 19	6 13	5 11	25 37	2 4	13 29	1 43	4 12	0 34	10 30	1 6	2 22	2 35	13 0	0 26	19 53	0 3	11 27	17 1	23 4	22 57	19 23	10 33	0 39
S 29	22 26	11 22	5 12	25 34	2 2	13 52	1 42	4 1	0 32	10 34	1 6	2 22	2 34	13 1	0 26	19 53	0 3	11 27	17 1	23 4	22 57	19 21	10 34	0 39
S 30	22 33	16 10	4 57	25 30	2 0	14 15	1 41	3 50	0 31	10 38	1 7	2 22	2 34	13 2	0 26	19 53	0 3	11 27	17 2	23 4	22 58	19 19	10 35	0 39
M31	22n40	20n17	4n25	25n23	1n58	14n38	1s39	3n39	0n29	10n42	1s 7	2n21	2n34	13n 3	0s26	19n52	0n 3	11s27	17s 2	23s 4	22s58	19s17	10n36	0n39

Julian Day Number = 2122222.5, Delta T = 17m48s
Ecliptic obliquity = 23°33'25, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°10'13, Lahiri = 11°17'14 Julian Calendar 1 May 1098 == Greg. Calendar 7 May 1098

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1098
geocentric

JUNE 1098 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 0 49	15♊36'58	28♉ 5	7♋23	15♉30	22♍21	0♉49	29♍59	5♉39	1♏57	10♈33	11°R14	12♑26	28♑14	25♈47	T 1
W 2	17 4 46	16°34'12	12♊38	8°56	16°42	22°45	1° 1	0♎ 0	5°42	1°59	10°34	11♑11	12°23	28°21	25°50	W 2
T 3	17 8 42	17°31'25	27°24	10°25	17°54	23°10	1°13	0° 1	5°45	2° 1	10°35	11°10	12°20	28°28	25°53	T 3
F 4	17 12 39	18°28'38	12♋16	11°52	19° 6	23°35	1°25	0° 1	5°48	2° 2	10°35	11°D 9	12°17	28°34	25°55	F 4
S 5	17 16 35	19°25'50	27° 7	13°17	20°17	24° 1	1°37	0° 2	5°50	2° 4	10°36	11°10	12°14	28°41	25°58	S 5
S 6	17 20 32	20°23'02	11♌49	14°39	21°29	24°27	1°49	0° 3	5°53	2° 6	10°37	11°11	12°11	28°47	26° 1	S 6
M 7	17 24 28	21°20'14	26°18	15°58	22°41	24°53	2° 0	0° 4	5°56	2° 8	10°37	11°12	12° 7	28°54	26° 3	M 7
T 8	17 28 25	22°17'25	10♍30	17°15	23°53	25°19	2°12	0° 5	5°58	2° 9	10°38	11°13	12° 4	29° 1	26° 6	T 8
W 9	17 32 21	23°14'35	24°23	18°29	25° 5	25°46	2°23	0° 6	6° 1	2°11	10°38	11°R14	12° 1	29° 7	26° 8	W 9
T 10	17 36 18	24°11'45	7♎58	19°40	26°17	26°13	2°35	0° 8	6° 4	2°13	10°39	11°13	11°58	29°14	26°10	T 10
F 11	17 40 15	25° 8'54	21°14	20°48	27°29	26°40	2°46	0° 9	6° 6	2°15	10°39	11°12	11°55	29°21	26°13	F 11
S 12	17 44 11	26° 6'03	4♏14	21°54	28°41	27° 8	2°57	0°10	6° 9	2°17	10°40	11°10	11°51	29°27	26°15	S 12
S 13	17 48 8	27° 3'12	16°58	22°56	29°53	27°36	3° 8	0°12	6°11	2°19	10°40	11° 8	11°48	29°34	26°17	S 13
M14	17 52 4	28° 0'21	29°29	23°56	1♊ 5	28° 4	3°19	0°14	6°14	2°20	10°41	11° 6	11°45	29°41	26°20	M14
T 15	17 56 1	28°57'30	11♐48	24°52	2°17	28°32	3°30	0°15	6°16	2°22	10°41	11° 5	11°42	29°47	26°22	T 15
W16	17 59 57	29°54'38	23°57	25°45	3°29	29° 1	3°41	0°17	6°18	2°24	10°42	11° 4	11°39	29°54	26°24	W16
T 17	18 3 54	0♋51'47	5♑57	26°34	4°41	29°30	3°52	0°19	6°21	2°26	10°42	11°D 3	11°36	0♒ 1	26°26	T 17
F 18	18 7 50	1°48'56	17°51	27°20	5°53	29°59	4° 2	0°21	6°23	2°28	10°42	11° 3	11°32	0° 7	26°28	F 18
S 19	18 11 47	2°46'05	29°40	28° 2	7° 6	0♎29	4°13	0°23	6°25	2°30	10°43	11° 4	11°29	0°14	26°30	S 19
S 20	18 15 44	3°43'14	11♒28	28°41	8°18	0°58	4°23	0°26	6°28	2°32	10°43	11° 4	11°26	0°21	26°32	S 20
M21	18 19 40	4°40'24	23°18	29°15	9°30	1°28	4°34	0°28	6°30	2°34	10°43	11° 5	11°23	0°27	26°34	M21
T 22	18 23 37	5°37'34	5♓12	29°46	10°43	1°59	4°44	0°30	6°32	2°36	10°44	11° 6	11°20	0°34	26°36	T 22
W23	18 27 33	6°34'44	17°16	0♌12	11°55	2°29	4°54	0°33	6°34	2°38	10°44	11° 6	11°17	0°41	26°38	W23
T 24	18 31 30	7°31'55	29°32	0°34	13° 7	3° 0	5° 4	0°36	6°36	2°40	10°44	11° 6	11°13	0°47	26°39	T 24
F 25	18 35 26	8°29'07	12♈ 6	0°51	14°20	3°30	5°14	0°38	6°38	2°42	10°44	11°R 6	11°10	0°54	26°41	F 25
S 26	18 39 23	9°26'19	25° 2	1° 4	15°32	4° 2	5°24	0°41	6°40	2°44	10°45	11° 6	11° 7	1° 1	26°43	S 26
S 27	18 43 19	10°23'32	8♉21	1°12	16°45	4°33	5°33	0°44	6°42	2°46	10°45	11° 6	11° 4	1° 7	26°44	S 27
M28	18 47 16	11°20'46	22° 7	1°R16	17°58	5° 4	5°43	0°47	6°44	2°49	10°45	11°D 6	11° 1	1°14	26°46	M28
T 29	18 51 13	12°18'00	6♊19	1°14	19°10	5°36	5°52	0°50	6°46	2°51	10°45	11° 6	10°57	1°20	26°48	T 29
W30	18 55 9	13♋15'16	20♊56	1♌ 8	20♊23	6♎ 8	6♉ 2	0♎53	6♉48	2♌53	10♈45	11♑ 6	10♑54	1♒27	26♈49	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n47	23n19	3n35	25n15	1n54	15n 0	1s38	3n28	0n27	10n46	1s 7	2n21	2n34	13n 4	0s26	19n52	0n 3	11s27	17s 2	23s 5	22s58	19s14	10n37	0n38
W 2	22 53	24 55	2 31	25 5	1 50	15 22	1 36	3 17	0 26	10 51	1 7	2 21	2 33	13 5	0 26	19 52	0 3	11 27	17 2	23 5	22 59	19 12	10 38	0 38
T 3	22 58	24 47	1 15	24 54	1 46	15 44	1 35	3 6	0 24	10 55	1 7	2 20	2 33	13 6	0 26	19 51	0 3	11 27	17 3	23 5	22 59	19 10	10 38	0 38
F 4	23 3	22 53	0s 6	24 41	1 40	16 5	1 33	2 54	0 23	10 59	1 7	2 20	2 33	13 7	0 26	19 51	0 3	11 27	17 3	23 5	22 59	19 8	10 39	0 38
S 5	23 8	19 25	1 27	24 27	1 34	16 26	1 31	2 43	0 21	11 3	1 7	2 19	2 33	13 8	0 26	19 51	0 3	11 27	17 3	23 5	22 59	19 6	10 40	0 38
S 6	23 12	14 45	2 41	24 12	1 28	16 47	1 30	2 31	0 20	11 7	1 7	2 19	2 32	13 8	0 26	19 50	0 3	11 27	17 4	23 5	23 0	19 4	10 41	0 38
M 7	23 16	9 18	3 44	23 56	1 21	17 7	1 28	2 19	0 18	11 11	1 7	2 18	2 32	13 9	0 26	19 50	0 3	11 27	17 4	23 5	23 0	19 1	10 42	0 38
T 8	23 20	3 28	4 32	23 38	1 13	17 27	1 26	2 7	0 17	11 14	1 7	2 17	2 32	13 10	0 26	19 49	0 3	11 28	17 4	23 5	23 0	18 59	10 43	0 38
W 9	23 23	2s23	5 3	23 20	1 4	17 46	1 24	1 55	0 15	11 18	1 7	2 17	2 32	13 11	0 26	19 49	0 3	11 28	17 5	23 5	23 1	18 57	10 44	0 38
T 10	23 26	8 0	5 16	23 1	0 56	18 5	1 22	1 43	0 14	11 22	1 8	2 16	2 32	13 12	0 26	19 49	0 3	11 28	17 5	23 5	23 1	18 55	10 45	0 38
F 11	23 28	13 7	5 11	22 42	0 46	18 24	1 20	1 31	0 12	11 26	1 8	2 15	2 31	13 13	0 26	19 48	0 3	11 28	17 5	23 5	23 1	18 53	10 45	0 38
S 12	23 30	17 33	4 51	22 22	0 36	18 42	1 18	1 19	0 11	11 30	1 8	2 14	2 31	13 14	0 26	19 48	0 3	11 28	17 6	23 5	23 1	18 50	10 46	0 38
S 13	23 31	21 5	4 17	22 1	0 26	18 59	1 16	1 6	0 9	11 33	1 8	2 13	2 31	13 14	0 26	19 47	0 3	11 28	17 6	23 5	23 2	18 48	10 47	0 38
M14	23 32	23 34	3 30	21 40	0 15	19 17	1 14	0 54	0 8	11 37	1 8	2 13	2 31	13 15	0 26	19 47	0 3	11 28	17 6	23 5	23 2	18 46	10 48	0 38
T 15	23 33	24 52	2 35	21 19	0 3	19 33	1 11	0 41	0 7	11 41	1 8	2 12	2 30	13 16	0 26	19 47	0 3	11 28	17 7	23 6	23 2	18 44	10 49	0 38
W16	23 33	24 58	1 33	20 58	0s 9	19 49	1 9	0 28	0 5	11 44	1 8	2 11	2 30	13 17	0 26	19 46	0 3	11 29	17 7	23 6	23 3	18 42	10 49	0 38
T 17	23 33	23 54	0 28	20 36	0 21	20 5	1 7	0 15	0 4	11 48	1 8	2 10	2 30	13 18	0 26	19 46	0 3	11 29	17 8	23 6	23 3	18 39	10 50	0 38
F 18	23 33	21 44	0n38	20 15	0 34	20 20	1 5	0 3	0 2	11 51	1 8	2 9	2 30	13 18	0 26	19 45	0 3	11 29	17 8	23 6	23 3	18 37	10 51	0 38
S 19	23 32	18 40	1 42	19 54	0 47	20 35	1 2	0s10	0 1	11 55	1 9	2 8	2 29	13 19	0 26	19 45	0 3	11 29	17 8	23 6	23 3	18 35	10 52	0 38
S 20	23 30	14 51	2 41	19 33	1 0	20 49	1 0	0 23	0s 0	11 58	1 9	2 6	2 29	13 20	0 26	19 44	0 3	11 29	17 9	23 6	23 4	18 33	10 52	0 38
M21	23 28	10 27	3 34	19 12	1 14	21 2	0 57	0 37	0 1	12 1	1 9	2 5	2 29	13 20	0 26	19 44	0 3	11 29	17 9	23 5	23 4	18 30	10 53	0 38
T 22	23 26	5 39	4 18	18 52	1 28	21 15	0 55	0 50	0 3	12 5	1 9	2 4	2 29	13 21	0 26	19 43	0 3	11 30	17 9	23 5	23 4	18 28	10 53	0 38
W23	23 24	0 36	4 51	18 33	1 42	21 28	0 53	1 3	0 4	12 8	1 9	2 3	2 28	13 22	0 26	19 43	0 3	11 30	17 10	23 5	23 5	18 26	10 54	0 38
T 24	23 20	4n34	5 11	18 14	1 56	21 39	0 50	1 17	0 5	12 11	1 9	2 2	2 28	13 23	0 26	19 43	0 3	11 30	17 10	23 5	23 5	18 24	10 55	0 37
F 25	23 17	9 40	5 18	17 56	2 11	21 51	0 48	1 30	0 6	12 14	1 9	2 0	2 28	13 23	0 26	19 42	0 3	11 30	17 10	23 5	23 5	18 21	10 55	0 37
S 26	23 13	14 30	5 8	17 39	2 25	22 1	0 45	1 43	0 8	12 18	1 9	1 59	2 28	13 24	0 26	19 42	0 3	11 31	17 11	23 5	23 5	18 19	10 56	0 37
S 27	23 9	18 49	4 43	17 23	2 40	22 11	0 42	1 57	0 9	12 21	1 10	1 58	2 27	13 24	0 26	19 41	0 3	11 31	17 11	23 5	23 6	18 17	10 56	0 37
M28	23 4	22 15	4 0	17 9	2 54	22 21	0 40	2 11	0 10	12 24	1 10	1 56	2 27	13 25	0 26	19 41	0 3	11 31	17 11	23 5	23 6	18 15	10 57	0 37
T 29	22 59	24 27	3 2	16 55	3 8	22 30	0 37	2 24	0 11	12 27	1 10	1 55	2 27	13 26	0 26	19 40	0 3	11 31	17 12	23 5	23 6	18 12	10 57	0 37
W30	22n54	25n 4	1n50	16n43	3s22	22n38	0s35	2s38	0s12	12n30	1s10	1n53	2n27	13n26	0s26	19n40	0n 3	11s32	17s12	23s 5	23s 6	18s10	10n58	0n37

Julian Day Number = 2122253.5, Delta T = 17m47s
Ecliptic obliquity = 23°33'24, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°10'18, Lahiri = 11°17'18 Julian Calendar 1 June 1098 == Greg. Calendar 7 June 1098

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1098
geocentric

JULY 1098 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 59 6	14♋12'32	5♋50	0°R57	21♊36	6♎40	6♉11	0♎56	6♉50	2♏55	10♈45	11°R 6	10♐51	1♒34	26♈50	T 1
F 2	19 3 2	15° 9'48	20°56	0♏41	22°48	7°13	6°20	1° 0	6°51	2°57	10°46	11♐ 6	10°48	1°40	26°52	F 2
S 3	19 6 59	16° 7'05	6♏ 4	0°20	24° 1	7°45	6°29	1° 3	6°53	2°59	10°46	11° 6	10°45	1°47	26°53	S 3
S 4	19 10 55	17° 4'23	21° 6	29♋55	25°14	8°18	6°38	1° 6	6°55	3° 1	10°46	11° 6	10°42	1°54	26°54	S 4
M 5	19 14 52	18° 1'41	5♍52	29°25	26°27	8°51	6°46	1°10	6°56	3° 3	10°R46	11° 5	10°38	2° 0	26°56	M 5
T 6	19 18 49	18°58'59	20°18	28°52	27°40	9°24	6°55	1°14	6°58	3° 6	10°46	11° 4	10°35	2° 7	26°57	T 6
W 7	19 22 45	19°56'18	4♎20	28°15	28°53	9°58	7° 3	1°17	7° 0	3° 8	10°46	11° 4	10°32	2°14	26°58	W 7
T 8	19 26 42	20°53'37	17°57	27°35	0♋ 6	10°31	7°11	1°21	7° 1	3°10	10°46	11°D 3	10°29	2°20	26°59	T 8
F 9	19 30 38	21°50'57	1♏ 9	26°53	1°19	11° 5	7°20	1°25	7° 2	3°12	10°45	11° 3	10°26	2°27	27° 0	F 9
S 10	19 34 35	22°48'18	14° 1	26°10	2°32	11°39	7°28	1°29	7° 4	3°14	10°45	11° 4	10°23	2°34	27° 1	S 10
S 11	19 38 31	23°45'39	26°34	25°25	3°45	12°13	7°35	1°33	7° 5	3°17	10°45	11° 5	10°19	2°40	27° 2	S 11
M12	19 42 28	24°43'00	8♐51	24°40	4°58	12°48	7°43	1°37	7° 6	3°19	10°45	11° 6	10°16	2°47	27° 3	M12
T 13	19 46 24	25°40'23	20°58	23°56	6°11	13°22	7°51	1°42	7° 8	3°21	10°45	11° 7	10°13	2°54	27° 3	T 13
W14	19 50 21	26°37'46	2♑56	23°14	7°24	13°57	7°58	1°46	7° 9	3°23	10°45	11° 8	10°10	3° 0	27° 4	W14
T 15	19 54 18	27°35'10	14°48	22°34	8°37	14°32	8° 6	1°50	7°10	3°25	10°45	11°R 8	10° 7	3° 7	27° 5	T 15
F 16	19 58 14	28°32'35	26°37	21°57	9°50	15° 7	8°13	1°55	7°11	3°28	10°44	11° 8	10° 3	3°14	27° 5	F 16
S 17	20 2 11	29°30'01	8♒26	21°23	11° 4	15°42	8°20	1°59	7°12	3°30	10°44	11° 6	10° 0	3°20	27° 6	S 17
S 18	20 6 7	0♏27'28	20°15	20°55	12°17	16°17	8°27	2° 4	7°13	3°32	10°44	11° 4	9°57	3°27	27° 6	S 18
M19	20 10 4	1°24'56	2♓ 9	20°31	13°30	16°53	8°33	2° 8	7°14	3°34	10°44	11° 1	9°54	3°34	27° 7	M19
T 20	20 14 0	2°22'25	14° 8	20°13	14°44	17°28	8°40	2°13	7°15	3°37	10°43	10°57	9°51	3°40	27° 7	T 20
W21	20 17 57	3°19'56	26°16	20° 1	15°57	18° 4	8°46	2°18	7°16	3°39	10°43	10°54	9°48	3°47	27° 7	W21
T 22	20 21 53	4°17'28	8♈35	19°D56	17°11	18°40	8°52	2°23	7°17	3°41	10°43	10°51	9°44	3°54	27° 8	T 22
F 23	20 25 50	5°15'02	21° 9	19°57	18°24	19°16	8°58	2°28	7°18	3°43	10°42	10°49	9°41	4° 0	27° 8	F 23
S 24	20 29 47	6°12'37	4♉ 1	20° 6	19°38	19°53	9° 4	2°33	7°18	3°45	10°42	10°D49	9°38	4° 7	27° 8	S 24
S 25	20 33 43	7°10'13	17°15	20°21	20°51	20°29	9°10	2°38	7°19	3°48	10°41	10°49	9°35	4°14	27° 8	S 25
M26	20 37 40	8° 7'51	0♊52	20°44	22° 5	21° 6	9°16	2°43	7°20	3°50	10°41	10°50	9°32	4°20	27°R 8	M26
T 27	20 41 36	9° 5'31	14°54	21°14	23°19	21°42	9°21	2°48	7°20	3°52	10°41	10°51	9°29	4°27	27° 8	T 27
W28	20 45 33	10° 3'13	29°21	21°51	24°32	22°19	9°26	2°53	7°21	3°54	10°40	10°53	9°25	4°34	27° 8	W28
T 29	20 49 29	11° 0'56	14♋10	22°35	25°46	22°56	9°31	2°59	7°21	3°57	10°40	10°R53	9°22	4°40	27° 8	T 29
F 30	20 53 26	11°58'40	29°15	23°26	27° 0	23°34	9°36	3° 4	7°22	3°59	10°39	10°52	9°19	4°47	27° 8	F 30
S 31	20 57 22	12♏56'26	14♏28	24♋24	28♋14	24♎11	9♉41	3♎10	7♉22	4♏ 1	10♈39	10♐49	9♐16	4♒54	27♈ 7	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n48	23n55	0n29	16n33	3s35	22n45	0s32	2s52	0s14	12n33	1s10	1n52	2n27	13n27	0s26	19n39	0n 3	11s32	17s12	23s 5	23s 7	18s 8	10n58	0n37
F 2	22 41	21 1	0s54	16 24	3 48	22 52	0 30	3 6	0 15	12 35	1 10	1 50	2 26	13 27	0 26	19 39	0 3	11 32	17 13	23 5	23 7	18 6	10 59	0 37
S 3	22 35	16 41	2 14	16 16	4 0	22 58	0 27	3 20	0 16	12 38	1 10	1 49	2 26	13 28	0 26	19 38	0 3	11 33	17 13	23 5	23 7	18 3	10 59	0 37
S 4	22 28	11 19	3 24	16 11	4 11	23 4	0 24	3 34	0 17	12 41	1 11	1 47	2 26	13 29	0 26	19 38	0 3	11 33	17 14	23 5	23 7	18 1	11 0	0 37
M 5	22 20	5 23	4 20	16 7	4 21	23 9	0 22	3 48	0 18	12 44	1 11	1 46	2 26	13 29	0 26	19 37	0 3	11 33	17 14	23 5	23 8	17 59	11 0	0 37
T 6	22 12	0s41	4 57	16 5	4 30	23 13	0 19	4 2	0 19	12 46	1 11	1 44	2 25	13 30	0 26	19 37	0 3	11 34	17 14	23 6	23 8	17 56	11 1	0 37
W 7	22 4	6 33	5 15	16 5	4 38	23 17	0 16	4 16	0 20	12 49	1 11	1 42	2 25	13 30	0 26	19 36	0 3	11 34	17 15	23 6	23 8	17 54	11 1	0 37
T 8	21 55	11 55	5 15	16 6	4 44	23 20	0 14	4 31	0 21	12 52	1 11	1 41	2 25	13 31	0 26	19 36	0 3	11 34	17 15	23 6	23 8	17 52	11 1	0 37
F 9	21 46	16 35	4 58	16 10	4 48	23 22	0 11	4 45	0 22	12 54	1 11	1 39	2 25	13 31	0 26	19 35	0 3	11 35	17 15	23 6	23 9	17 50	11 2	0 37
S 10	21 37	20 21	4 26	16 15	4 51	23 23	0 9	4 59	0 23	12 57	1 11	1 37	2 25	13 31	0 26	19 35	0 3	11 35	17 16	23 6	23 9	17 47	11 2	0 37
S 11	21 27	23 5	3 43	16 22	4 52	23 24	0 6	5 14	0 24	12 59	1 12	1 35	2 24	13 32	0 26	19 34	0 3	11 35	17 16	23 5	23 9	17 45	11 2	0 37
M12	21 17	24 41	2 50	16 30	4 52	23 24	0 3	5 28	0 25	13 1	1 12	1 33	2 24	13 32	0 26	19 34	0 3	11 36	17 16	23 5	23 9	17 43	11 2	0 37
T 13	21 7	25 4	1 49	16 40	4 49	23 24	0 1	5 42	0 26	13 4	1 12	1 31	2 24	13 33	0 26	19 33	0 3	11 36	17 17	23 5	23 10	17 40	11 3	0 37
W14	20 56	24 17	0 45	16 51	4 45	23 23	0n 2	5 57	0 27	13 6	1 12	1 30	2 24	13 33	0 26	19 33	0 3	11 36	17 17	23 5	23 10	17 38	11 3	0 37
T 15	20 45	22 24	0n20	17 4	4 39	23 21	0 4	6 11	0 28	13 8	1 12	1 28	2 24	13 33	0 26	19 32	0 3	11 37	17 17	23 5	23 10	17 36	11 3	0 37
F 16	20 33	19 33	1 25	17 17	4 32	23 18	0 7	6 26	0 29	13 10	1 12	1 26	2 23	13 34	0 26	19 32	0 3	11 37	17 18	23 5	23 10	17 33	11 3	0 37
S 17	20 21	15 55	2 25	17 31	4 23	23 15	0 10	6 40	0 30	13 12	1 13	1 24	2 23	13 34	0 26	19 31	0 3	11 38	17 18	23 5	23 11	17 31	11 3	0 37
S 18	20 9	11 39	3 20	17 46	4 12	23 11	0 12	6 55	0 31	13 14	1 13	1 22	2 23	13 34	0 26	19 31	0 3	11 38	17 18	23 6	23 11	17 29	11 4	0 37
M19	19 57	6 56	4 5	18 1	4 0	23 7	0 15	7 10	0 32	13 16	1 13	1 20	2 23	13 35	0 26	19 30	0 3	11 38	17 19	23 6	23 11	17 26	11 4	0 37
T 20	19 44	1 57	4 41	18 17	3 47	23 1	0 17	7 24	0 33	13 18	1 13	1 18	2 23	13 35	0 26	19 30	0 3	11 39	17 19	23 6	23 11	17 24	11 4	0 36
W21	19 30	3n10	5 4	18 33	3 33	22 55	0 19	7 39	0 34	13 20	1 13	1 16	2 23	13 35	0 26	19 29	0 3	11 39	17 19	23 6	23 12	17 22	11 4	0 36
T 22	19 17	8 14	5 14	18 48	3 18	22 49	0 22	7 53	0 35	13 22	1 13	1 13	2 22	13 36	0 26	19 29	0 3	11 40	17 20	23 7	23 12	17 19	11 4	0 36
F 23	19 3	13 4	5 9	19 3	3 2	22 41	0 24	8 8	0 36	13 24	1 14	1 11	2 22	13 36	0 27	19 28	0 3	11 40	17 20	23 7	23 12	17 17	11 4	0 36
S 24	18 49	17 27	4 49	19 18	2 46	22 33	0 27	8 23	0 37	13 25	1 14	1 9	2 22	13 36	0 27	19 28	0 3	11 41	17 20	23 7	23 12	17 15	11 4	0 36
S 25	18 34	21 7	4 13	19 32	2 30	22 25	0 29	8 37	0 38	13 27	1 14	1 7	2 22	13 36	0 27	19 27	0 3	11 41	17 21	23 7	23 13	17 12	11 4	0 36
M26	18 19	23 44	3 22	19 45	2 13	22 15	0 31	8 52	0 39	13 29	1 14	1 5	2 22	13 36	0 27	19 27	0 3	11 42	17 21	23 7	23 13	17 10	11 4	0 36
T 27	18 4	24 59	2 18	19 58	1 56	22 5	0 34	9 7	0 39	13 30	1 14	1 3	2 21	13 37	0 27	19 26	0 3	11 42	17 21	23 7	23 13	17 8	11 4	0 36
W28	17 49	24 36	1 3	20 8	1 39	21 54	0 36	9 21	0 40	13 32	1 14	1 0	2 21	13 37	0 27	19 26	0 3	11 42	17 22	23 7	23 13	17 5	11 4	0 36
T 29	17 33	22 30	0s18	20 18	1 23	21 43	0 38	9 36	0 41	13 33	1 15	0 58	2 21	13 37	0 27	19 25	0 3	11 43	17 22	23 6	23 13	17 3	11 4	0 36
F 30	17 17	18 48	1 39	20 26	1 6	21 31	0 40	9 50	0 42	13 35	1 15	0 56	2 21	13 37	0 27	19 25	0 3	11 43	17 22	23 7	23 14	17 1	11 4	0 36
S 31	17n 1	13n48	2s53	20n31	0s50	21n19	0n42	10s 5	0s43	13n36	1s15	0n53	2n21	13n37	0s27	19n24	0n 3	11s44	17s23	23s 7	23s14	16s58	11n 3	0n36

Julian Day Number = 2122283.5, Delta T = 17m47s
Ecliptic obliquity = 23°33'23, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°10'22, Lahiri = 11°17'22 Julian Calendar 1 July 1098 == Greg. Calendar 7 July 1098

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1098
geocentric

AUGUST 1098 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 1 19	13♌54'14	29♌38	25♋28	29♋27	24♎48	9♉46	3♎15	7♉23	4♌ 3	10°R38	10°R46	9♏13	5♒ 0	27°R 7	S 1
M 2	21 5 16	14°52'02	14♍36	26°38	0♌41	25°26	9°50	3°21	7°23	4° 5	10♈38	10♏41	9° 9	5° 7	27♈ 7	M 2
T 3	21 9 12	15°49'52	29°14	27°55	1°55	26° 4	9°54	3°26	7°23	4° 8	10°37	10°36	9° 6	5°14	27° 6	T 3
W 4	21 13 9	16°47'44	13♎27	29°17	3° 9	26°42	9°58	3°32	7°23	4°10	10°36	10°31	9° 3	5°20	27° 6	W 4
T 5	21 17 5	17°45'36	27°10	0♌44	4°23	27°20	10° 2	3°38	7°23	4°12	10°36	10°28	9° 0	5°27	27° 5	T 5
F 6	21 21 2	18°43'30	10♏26	2°16	5°37	27°58	10° 6	3°43	7°23	4°14	10°35	10°26	8°57	5°33	27° 5	F 6
S 7	21 24 58	19°41'25	23°17	3°53	6°51	28°36	10° 9	3°49	7°R23	4°16	10°34	10°D26	8°54	5°40	27° 4	S 7
S 8	21 28 55	20°39'22	5♐46	5°33	8° 5	29°15	10°12	3°55	7°23	4°18	10°34	10°27	8°50	5°47	27° 3	S 8
M 9	21 32 51	21°37'19	17°58	7°17	9°19	29°53	10°16	4° 1	7°23	4°21	10°33	10°28	8°47	5°53	27° 3	M 9
T 10	21 36 48	22°35'19	29°57	9° 4	10°33	0♏32	10°18	4° 7	7°23	4°23	10°32	10°30	8°44	6° 0	27° 2	T 10
W11	21 40 45	23°33'20	11♑50	10°54	11°47	1°11	10°21	4°13	7°23	4°25	10°32	10°R30	8°41	6° 7	27° 1	W11
T 12	21 44 41	24°31'22	23°38	12°45	13° 2	1°50	10°24	4°19	7°23	4°27	10°31	10°29	8°38	6°13	27° 0	T 12
F 13	21 48 38	25°29'25	5♒26	14°39	14°16	2°29	10°26	4°26	7°23	4°29	10°30	10°26	8°35	6°20	26°59	F 13
S 14	21 52 34	26°27'31	17°16	16°33	15°30	3° 8	10°28	4°32	7°22	4°31	10°29	10°21	8°31	6°27	26°58	S 14
S 15	21 56 31	27°25'38	29°11	18°29	16°44	3°48	10°30	4°38	7°22	4°33	10°29	10°14	8°28	6°33	26°57	S 15
M16	22 0 27	28°23'47	11♓12	20°25	17°58	4°27	10°32	4°44	7°21	4°35	10°28	10° 6	8°25	6°40	26°56	M16
T 17	22 4 24	29°21'57	23°21	22°21	19°13	5° 7	10°33	4°51	7°21	4°37	10°27	9°57	8°22	6°47	26°55	T 17
W18	22 8 20	0♍20'10	5♈39	24°17	20°27	5°46	10°35	4°57	7°20	4°40	10°26	9°48	8°19	6°53	26°53	W18
T 19	22 12 17	1°18'24	18° 8	26°13	21°42	6°26	10°36	5° 3	7°20	4°42	10°25	9°40	8°15	7° 0	26°52	T 19
F 20	22 16 14	2°16'41	0♉48	28° 9	22°56	7° 6	10°37	5°10	7°19	4°44	10°25	9°33	8°12	7° 7	26°51	F 20
S 21	22 20 10	3°14'59	13°43	0♍ 5	24°10	7°46	10°38	5°16	7°19	4°46	10°24	9°29	8° 9	7°13	26°49	S 21
S 22	22 24 7	4°13'20	26°55	1°59	25°25	8°26	10°38	5°23	7°18	4°48	10°23	9°27	8° 6	7°20	26°48	S 22
M23	22 28 3	5°11'43	10♊25	3°53	26°39	9° 6	10°39	5°30	7°17	4°50	10°22	9°D27	8° 3	7°27	26°46	M23
T 24	22 32 0	6°10'08	24°16	5°46	27°54	9°47	10°R39	5°36	7°16	4°52	10°21	9°28	8° 0	7°33	26°45	T 24
W25	22 35 56	7° 8'36	8♋28	7°38	29° 8	10°27	10°39	5°43	7°16	4°54	10°20	9°R29	7°56	7°40	26°43	W25
T 26	22 39 53	8° 7'05	23° 1	9°30	0♍23	11° 8	10°39	5°50	7°15	4°55	10°19	9°28	7°53	7°47	26°42	T 26
F 27	22 43 49	9° 5'37	7♌51	11°20	1°38	11°49	10°38	5°56	7°14	4°57	10°18	9°25	7°50	7°53	26°40	F 27
S 28	22 47 46	10° 4'11	22°52	13° 9	2°52	12°29	10°38	6° 3	7°13	4°59	10°17	9°20	7°47	8° 0	26°38	S 28
S 29	22 51 43	11° 2'47	7♍56	14°57	4° 7	13°10	10°37	6°10	7°12	5° 1	10°16	9°12	7°44	8° 7	26°36	S 29
M30	22 55 39	12° 1'25	22°52	16°45	5°22	13°51	10°36	6°17	7°11	5° 3	10°15	9° 3	7°40	8°13	26°35	M30
T 31	22 59 36	13♍ 0'04	7♎32	18♍31	6♍36	14♏33	10♉34	6♎24	7♉ 9	5♌ 5	10♈14	8♏53	7♑37	8♒20	26♈33	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n44	7n59	3s55	20n35	0s35	21n 5	0n45	10s20	0s44	13n37	1s15	0n51	2n21	13n37	0s27	19n24	0n 3	11s44	17s23	23s 7	23s14	16s56	11n 3	0n36
M 2	16 27	1 47	4 40	20 37	0 19	20 52	0 47	10 34	0 44	13 38	1 15	0 49	2 20	13 37	0 27	19 23	0 3	11 45	17 23	23 7	23 14	16 54	11 3	0 36
T 3	16 10	4s22	5 6	20 36	0 5	20 37	0 49	10 49	0 45	13 40	1 16	0 46	2 20	13 37	0 27	19 23	0 3	11 45	17 24	23 8	23 15	16 51	11 3	0 36
W 4	15 53	10 6	5 11	20 33	0n 9	20 22	0 51	11 3	0 46	13 41	1 16	0 44	2 20	13 37	0 27	19 22	0 4	11 46	17 24	23 8	23 15	16 49	11 3	0 36
T 5	15 35	15 9	4 59	20 27	0 22	20 7	0 53	11 18	0 47	13 42	1 16	0 41	2 20	13 37	0 27	19 22	0 4	11 46	17 24	23 8	23 15	16 46	11 3	0 36
F 6	15 17	19 18	4 30	20 18	0 34	19 50	0 54	11 32	0 47	13 43	1 16	0 39	2 20	13 37	0 27	19 21	0 4	11 47	17 24	23 9	23 15	16 44	11 2	0 36
S 7	14 59	22 22	3 49	20 6	0 45	19 34	0 56	11 47	0 48	13 44	1 16	0 37	2 20	13 37	0 27	19 21	0 4	11 47	17 25	23 9	23 15	16 42	11 2	0 36
S 8	14 41	24 17	2 58	19 52	0 55	19 16	0 58	12 1	0 49	13 44	1 16	0 34	2 20	13 37	0 27	19 20	0 4	11 48	17 25	23 9	23 16	16 39	11 2	0 36
M 9	14 22	25 0	2 0	19 35	1 5	18 58	1 0	12 16	0 50	13 45	1 17	0 32	2 19	13 37	0 27	19 20	0 4	11 48	17 25	23 8	23 16	16 37	11 1	0 36
T 10	14 3	24 30	0 57	19 15	1 13	18 40	1 2	12 30	0 50	13 46	1 17	0 29	2 19	13 37	0 27	19 19	0 4	11 49	17 26	23 8	23 16	16 34	11 1	0 36
W11	13 44	22 55	0n 7	18 52	1 20	18 21	1 3	12 44	0 51	13 47	1 17	0 27	2 19	13 37	0 27	19 19	0 4	11 49	17 26	23 8	23 16	16 32	11 1	0 36
T 12	13 25	20 19	1 11	18 27	1 27	18 1	1 5	12 59	0 52	13 47	1 17	0 24	2 19	13 37	0 27	19 18	0 4	11 50	17 26	23 8	23 16	16 30	11 0	0 35
F 13	13 5	16 53	2 11	18 0	1 33	17 41	1 6	13 13	0 53	13 48	1 17	0 21	2 19	13 37	0 27	19 18	0 4	11 50	17 26	23 9	23 17	16 27	11 0	0 35
S 14	12 45	12 47	3 5	17 30	1 37	17 21	1 8	13 27	0 53	13 48	1 18	0 19	2 19	13 37	0 27	19 17	0 4	11 51	17 27	23 9	23 17	16 25	10 59	0 35
S 15	12 26	8 11	3 52	16 58	1 41	17 0	1 9	13 41	0 54	13 49	1 18	0 16	2 19	13 37	0 27	19 17	0 4	11 52	17 27	23 10	23 17	16 22	10 59	0 35
M16	12 5	3 15	4 29	16 24	1 44	16 38	1 11	13 55	0 55	13 49	1 18	0 14	2 19	13 37	0 27	19 16	0 4	11 52	17 27	23 10	23 17	16 20	10 59	0 35
T 17	11 45	1n51	4 54	15 48	1 46	16 16	1 12	14 9	0 55	13 50	1 18	0 11	2 18	13 37	0 27	19 16	0 4	11 53	17 27	23 11	23 17	16 18	10 58	0 35
W18	11 24	6 56	5 6	15 10	1 47	15 54	1 13	14 23	0 56	13 50	1 18	0 8	2 18	13 36	0 27	19 15	0 4	11 53	17 28	23 12	23 18	16 15	10 58	0 35
T 19	11 4	11 48	5 3	14 31	1 48	15 31	1 14	14 37	0 57	13 50	1 18	0 6	2 18	13 36	0 27	19 15	0 4	11 54	17 28	23 12	23 18	16 13	10 57	0 35
F 20	10 43	16 16	4 46	13 51	1 48	15 8	1 16	14 51	0 57	13 50	1 19	0 3	2 18	13 36	0 27	19 14	0 4	11 54	17 28	23 13	23 18	16 10	10 57	0 35
S 21	10 22	20 4	4 14	13 10	1 47	14 44	1 17	15 5	0 58	13 50	1 19	0 0	2 18	13 36	0 27	19 14	0 4	11 55	17 28	23 13	23 18	16 8	10 56	0 35
S 22	10 1	22 56	3 28	12 27	1 45	14 20	1 18	15 18	0 58	13 50	1 19	0s 2	2 18	13 35	0 27	19 13	0 4	11 55	17 28	23 13	23 18	16 6	10 55	0 35
M23	9 39	24 35	2 29	11 44	1 43	13 55	1 19	15 32	0 59	13 50	1 19	0 5	2 18	13 35	0 27	19 13	0 4	11 56	17 29	23 13	23 19	16 3	10 55	0 35
T 24	9 18	24 46	1 21	11 0	1 41	13 30	1 19	15 45	1 0	13 50	1 19	0 8	2 18	13 35	0 27	19 12	0 4	11 56	17 29	23 13	23 19	16 1	10 54	0 35
W25	8 56	23 22	0 5	10 16	1 38	13 5	1 20	15 59	1 0	13 50	1 20	0 11	2 18	13 35	0 27	19 12	0 4	11 57	17 29	23 13	23 19	15 58	10 54	0 35
T 26	8 34	20 24	1s12	9 30	1 34	12 39	1 21	16 12	1 1	13 50	1 20	0 13	2 18	13 34	0 27	19 11	0 4	11 57	17 29	23 13	23 19	15 56	10 53	0 35
F 27	8 12	16 3	2 26	8 45	1 31	12 13	1 22	16 25	1 1	13 49	1 20	0 16	2 17	13 34	0 27	19 11	0 4	11 58	17 29	23 13	23 19	15 53	10 52	0 35
S 28	7 50	10 39	3 30	7 59	1 26	11 47	1 22	16 39	1 2	13 49	1 20	0 19	2 17	13 34	0 27	19 10	0 4	11 58	17 30	23 14	23 20	15 51	10 52	0 35
S 29	7 28	4 37	4 20	7 13	1 22	11 20	1 23	16 52	1 2	13 48	1 20	0 22	2 17	13 33	0 27	19 10	0 4	11 59	17 30	23 14	23 20	15 48	10 51	0 35
M30	7 5	1s37	4 52	6 26	1 17	10 53	1 23	17 5	1 3	13 48	1 20	0 24	2 17	13 33	0 27	19 10	0 4	12 0	17 30	23 15	23 20	15 46	10 50	0 35
T 31	6n43	7s39	5s 4	5n40	1n12	10n26	1n24	17s18	1s 4	13n47	1s21	0s27	2n17	13n33	0s27	19n 9	0n 4	12s 0	17s30	23s15	23s20	15s44	10n49	0n35

Julian Day Number = 2122314.5, Delta T = 17m47s
Ecliptic obliquity = 23°33'24, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°10'26, Lahiri = 11°17'26 Julian Calendar 1 Aug. 1098 == Greg. Calendar 7 Aug. 1098

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1098
geocentric

SEPTEMBER 1098 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 3 32	13♍58'46	21♎49	20♍16	7♍51	15♏14	10°R33	6♎30	7°R 8	5♌ 7	10°R13	8°R43	7♑34	8♒27	26°R31	W 1
T 2	23 7 29	14°57'29	5♏38	22° 0	9° 6	15°55	10♉31	6°37	7♉ 7	5° 9	10♈12	8♑36	7°31	8°33	26♈29	T 2
F 3	23 11 25	15°56'15	18°59	23°43	10°21	16°37	10°29	6°44	7° 6	5°10	10°11	8°30	7°28	8°40	26°27	F 3
S 4	23 15 22	16°55'02	1♐52	25°25	11°35	17°18	10°27	6°51	7° 4	5°12	10°10	8°27	7°25	8°47	26°25	S 4
S 5	23 19 18	17°53'51	14°22	27° 7	12°50	18° 0	10°25	6°58	7° 3	5°14	10° 9	8°D26	7°21	8°53	26°23	S 5
M 6	23 23 15	18°52'41	26°34	28°47	14° 5	18°42	10°23	7° 5	7° 2	5°16	10° 8	8°26	7°18	9° 0	26°20	M 6
T 7	23 27 11	19°51'34	8♑32	0♎26	15°20	19°24	10°20	7°12	7° 0	5°17	10° 7	8°R27	7°15	9° 7	26°18	T 7
W 8	23 31 8	20°50'28	20°23	2° 5	16°35	20° 6	10°17	7°19	6°59	5°19	10° 6	8°26	7°12	9°13	26°16	W 8
T 9	23 35 5	21°49'24	2♒11	3°42	17°50	20°48	10°14	7°27	6°57	5°21	10° 5	8°23	7° 9	9°20	26°14	T 9
F 10	23 39 1	22°48'22	14° 0	5°19	19° 5	21°30	10°11	7°34	6°56	5°22	10° 4	8°18	7° 6	9°27	26°11	F 10
S 11	23 42 58	23°47'21	25°54	6°54	20°19	22°12	10° 8	7°41	6°54	5°24	10° 3	8°11	7° 2	9°33	26° 9	S 11
S 12	23 46 54	24°46'23	7♓56	8°29	21°34	22°55	10° 4	7°48	6°53	5°26	10° 2	8° 0	6°59	9°40	26° 7	S 12
M13	23 50 51	25°45'27	20° 8	10° 3	22°49	23°37	10° 0	7°55	6°51	5°27	10° 0	7°48	6°56	9°47	26° 4	M13
T 14	23 54 47	26°44'32	2♈31	11°36	24° 4	24°20	9°56	8° 2	6°49	5°29	9°59	7°34	6°53	9°53	26° 2	T 14
W15	23 58 44	27°43'40	15° 5	13° 9	25°19	25° 2	9°52	8° 9	6°47	5°30	9°58	7°21	6°50	10° 0	25°59	W15
T 16	0 2 40	28°42'50	27°50	14°40	26°34	25°45	9°48	8°17	6°46	5°32	9°57	7° 9	6°46	10° 7	25°57	T 16
F 17	0 6 37	29°42'02	10♉46	16°11	27°49	26°28	9°43	8°24	6°44	5°33	9°56	6°59	6°43	10°13	25°54	F 17
S 18	0 10 34	0♎41'17	23°53	17°41	29° 4	27°11	9°39	8°31	6°42	5°35	9°55	6°52	6°40	10°20	25°52	S 18
S 19	0 14 30	1°40'34	7♊12	19°10	0♎19	27°54	9°34	8°38	6°40	5°36	9°54	6°48	6°37	10°27	25°49	S 19
M20	0 18 27	2°39'53	20°44	20°38	1°34	28°37	9°29	8°46	6°38	5°37	9°53	6°47	6°34	10°33	25°47	M20
T 21	0 22 23	3°39'15	4♋30	22° 6	2°49	29°20	9°24	8°53	6°36	5°39	9°51	6°47	6°31	10°40	25°44	T 21
W22	0 26 20	4°38'39	18°31	23°33	4° 5	0♐ 3	9°18	9° 0	6°34	5°40	9°50	6°46	6°27	10°47	25°41	W22
T 23	0 30 16	5°38'05	2♌47	24°58	5°20	0°46	9°13	9° 7	6°32	5°41	9°49	6°45	6°24	10°53	25°39	T 23
F 24	0 34 13	6°37'34	17°16	26°23	6°35	1°30	9° 7	9°15	6°30	5°43	9°48	6°41	6°21	11° 0	25°36	F 24
S 25	0 38 9	7°37'05	1♍55	27°48	7°50	2°13	9° 1	9°22	6°28	5°44	9°47	6°35	6°18	11° 7	25°33	S 25
S 26	0 42 6	8°36'38	16°37	29°11	9° 5	2°57	8°55	9°29	6°26	5°45	9°46	6°25	6°15	11°13	25°30	S 26
M27	0 46 3	9°36'14	1♎16	0♏33	10°20	3°41	8°49	9°36	6°24	5°46	9°45	6°14	6°12	11°20	25°27	M27
T 28	0 49 59	10°35'51	15°43	1°54	11°35	4°24	8°43	9°44	6°22	5°48	9°43	6° 2	6° 8	11°27	25°25	T 28
W29	0 53 56	11°35'31	29°52	3°14	12°51	5° 8	8°36	9°51	6°20	5°49	9°42	5°50	6° 5	11°33	25°22	W29
T 30	0 57 52	12♎35'13	13♏38	4♏33	14♎ 6	5♐52	8♉30	9♎58	6♉17	5♌50	9♈41	5♑40	6♑ 2	11♒40	25♈19	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	6n20	13s 6	4s56	4n53	1n 6	9n58	1n24	17s30	1s 4	13n47	1s21	0s30	2n17	13n32	0s27	19n 9	0n 4	12s 1	17s30	23s16	23s20	15s41	10n49	0n34
T 2	5 57	17 43	4 31	4 7	1 1	9 30	1 25	17 43	1 5	13 46	1 21	0 33	2 17	13 32	0 27	19 8	0 4	12 1	17 30	23 17	23 21	15 39	10 48	0 34
F 3	5 34	21 16	3 52	3 21	0 55	9 2	1 25	17 55	1 5	13 45	1 21	0 36	2 17	13 31	0 27	19 8	0 4	12 2	17 31	23 17	23 21	15 36	10 47	0 34
S 4	5 11	23 36	3 2	2 34	0 49	8 34	1 25	18 8	1 6	13 45	1 21	0 38	2 17	13 31	0 27	19 7	0 4	12 2	17 31	23 17	23 21	15 34	10 46	0 34
S 5	4 48	24 42	2 5	1 48	0 42	8 5	1 25	18 20	1 6	13 44	1 21	0 41	2 17	13 30	0 27	19 7	0 4	12 3	17 31	23 17	23 21	15 31	10 46	0 34
M 6	4 25	24 34	1 3	1 2	0 36	7 36	1 25	18 32	1 7	13 43	1 22	0 44	2 17	13 30	0 27	19 7	0 4	12 3	17 31	23 17	23 21	15 29	10 45	0 34
T 7	4 2	23 16	0n 1	0 16	0 29	7 7	1 25	18 44	1 7	13 42	1 22	0 47	2 17	13 29	0 27	19 6	0 4	12 4	17 31	23 17	23 21	15 26	10 44	0 34
W 8	3 39	20 58	1 3	0s29	0 23	6 38	1 25	18 56	1 8	13 41	1 22	0 50	2 17	13 29	0 27	19 6	0 4	12 4	17 31	23 17	23 22	15 24	10 43	0 34
T 9	3 16	17 47	2 3	1 14	0 16	6 8	1 25	19 8	1 8	13 40	1 22	0 53	2 17	13 28	0 27	19 5	0 4	12 5	17 31	23 17	23 22	15 21	10 42	0 34
F 10	2 52	13 53	2 57	1 59	0 9	5 39	1 25	19 20	1 8	13 39	1 22	0 55	2 17	13 28	0 27	19 5	0 4	12 5	17 32	23 18	23 22	15 19	10 41	0 34
S 11	2 29	9 26	3 43	2 44	0 2	5 9	1 25	19 31	1 9	13 37	1 22	0 58	2 17	13 27	0 27	19 5	0 4	12 6	17 32	23 18	23 22	15 17	10 40	0 34
S 12	2 5	4 36	4 21	3 28	0s 5	4 39	1 24	19 42	1 9	13 36	1 22	1 1	2 17	13 27	0 27	19 4	0 4	12 6	17 32	23 19	23 22	15 14	10 39	0 34
M13	1 42	0n28	4 46	4 11	0 12	4 9	1 24	19 54	1 10	13 35	1 23	1 4	2 17	13 26	0 27	19 4	0 4	12 7	17 32	23 20	23 22	15 12	10 38	0 34
T 14	1 18	5 35	4 59	4 55	0 19	3 38	1 23	20 5	1 10	13 34	1 23	1 7	2 16	13 26	0 27	19 3	0 4	12 7	17 32	23 20	23 23	15 9	10 37	0 34
W15	0 54	10 32	4 58	5 37	0 27	3 8	1 23	20 16	1 11	13 32	1 23	1 10	2 16	13 25	0 27	19 3	0 4	12 8	17 32	23 21	23 23	15 7	10 36	0 34
T 16	0 31	15 7	4 41	6 20	0 34	2 38	1 22	20 26	1 11	13 31	1 23	1 13	2 16	13 25	0 27	19 3	0 4	12 8	17 32	23 22	23 23	15 4	10 36	0 34
F 17	0 7	19 5	4 10	7 2	0 41	2 7	1 22	20 37	1 11	13 29	1 23	1 15	2 16	13 24	0 27	19 2	0 4	12 9	17 32	23 22	23 23	15 2	10 35	0 34
S 18	0s16	22 9	3 26	7 43	0 48	1 36	1 21	20 47	1 12	13 27	1 23	1 18	2 16	13 23	0 27	19 2	0 4	12 9	17 32	23 23	23 23	14 59	10 34	0 33
S 19	0 40	24 4	2 29	8 24	0 55	1 6	1 20	20 57	1 12	13 26	1 23	1 21	2 16	13 23	0 27	19 2	0 4	12 10	17 32	23 23	23 23	14 57	10 33	0 33
M20	1 4	24 37	1 24	9 4	1 2	0 35	1 19	21 8	1 12	13 24	1 23	1 24	2 16	13 22	0 27	19 1	0 4	12 10	17 32	23 23	23 24	14 54	10 31	0 33
T 21	1 28	23 41	0 12	9 43	1 9	0 4	1 18	21 17	1 13	13 22	1 23	1 27	2 16	13 21	0 27	19 1	0 4	12 11	17 32	23 23	23 24	14 52	10 30	0 33
W22	1 51	21 15	1s 2	10 22	1 16	0s27	1 17	21 27	1 13	13 21	1 24	1 30	2 16	13 21	0 27	19 1	0 4	12 11	17 32	23 23	23 24	14 49	10 29	0 33
T 23	2 15	17 29	2 13	11 0	1 23	0 57	1 16	21 37	1 13	13 19	1 24	1 33	2 16	13 20	0 27	19 0	0 4	12 12	17 32	23 23	23 24	14 47	10 28	0 33
F 24	2 39	12 37	3 16	11 38	1 30	1 28	1 15	21 46	1 14	13 17	1 24	1 36	2 16	13 19	0 27	19 0	0 4	12 12	17 32	23 23	23 24	14 44	10 27	0 33
S 25	3 2	6 59	4 8	12 15	1 37	1 59	1 14	21 55	1 14	13 15	1 24	1 38	2 16	13 19	0 27	19 0	0 4	12 13	17 32	23 24	23 24	14 42	10 26	0 33
S 26	3 26	0 58	4 43	12 51	1 43	2 30	1 13	22 4	1 14	13 13	1 24	1 41	2 16	13 18	0 27	19 0	0 4	12 13	17 32	23 24	23 25	14 39	10 25	0 33
M27	3 49	5s 4	4 59	13 26	1 50	3 1	1 12	22 13	1 15	13 11	1 24	1 44	2 16	13 17	0 27	18 59	0 4	12 14	17 32	23 25	23 25	14 37	10 24	0 33
T 28	4 13	10 46	4 56	14 0	1 56	3 31	1 10	22 21	1 15	13 9	1 24	1 47	2 16	13 17	0 27	18 59	0 4	12 14	17 32	23 25	23 25	14 34	10 23	0 33
W29	4 36	15 46	4 35	14 34	2 2	4 2	1 9	22 30	1 15	13 7	1 24	1 50	2 16	13 16	0 27	18 59	0 4	12 14	17 32	23 26	23 25	14 32	10 22	0 33
T 30	5s 0	19s47	3s58	15s 6	2s 8	4s33	1n 8	22s38	1s16	13n 5	1s24	1s53	2n16	13n15	0s27	18n58	0n 4	12s15	17s32	23s26	23s25	14s29	10n21	0n33

Julian Day Number = 2122345.5, Delta T = 17m47s
Ecliptic obliquity = 23°33'24, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°10'30, Lahiri = 11°17'31 Julian Calendar 1 Sept. 1098 == Greg. Calendar 7 Sept. 1098

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1098
geocentric

OCTOBER 1098 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 1 49	13♎34'56	26♏58	5♏51	15♎21	6♐36	8°R23	10♎ 5	6°R15	5♌51	9°R40	5°R33	5♑59	11♒47	25°R16	F 1
S 2	1 5 45	14°34'42	9♐53	7° 8	16°36	7°20	8♑16	10°13	6♑13	5°52	9♈39	5♑28	5°56	11°53	25♈13	S 2
S 3	1 9 42	15°34'29	22°25	8°23	17°51	8° 4	8° 9	10°20	6°11	5°53	9°38	5°26	5°52	12° 0	25°10	S 3
M 4	1 13 38	16°34'18	4♑39	9°36	19° 7	8°49	8° 2	10°27	6° 8	5°54	9°36	5°D25	5°49	12° 7	25° 7	M 4
T 5	1 17 35	17°34'09	16°38	10°48	20°22	9°33	7°55	10°35	6° 6	5°55	9°35	5°R25	5°46	12°13	25° 5	T 5
W 6	1 21 32	18°34'01	28°30	11°58	21°37	10°17	7°48	10°42	6° 4	5°56	9°34	5°25	5°43	12°20	25° 2	W 6
T 7	1 25 28	19°33'55	10♒19	13° 7	22°52	11° 2	7°40	10°49	6° 1	5°57	9°33	5°23	5°40	12°27	24°59	T 7
F 8	1 29 25	20°33'51	22°10	14°13	24° 7	11°46	7°33	10°56	5°59	5°58	9°32	5°19	5°37	12°33	24°56	F 8
S 9	1 33 21	21°33'49	4♓ 8	15°16	25°23	12°31	7°25	11° 3	5°56	5°59	9°31	5°12	5°33	12°40	24°53	S 9
S 10	1 37 18	22°33'48	16°17	16°17	26°38	13°15	7°18	11°11	5°54	5°59	9°30	5° 2	5°30	12°47	24°50	S 10
M11	1 41 14	23°33'49	28°38	17°15	27°53	14° 0	7°10	11°18	5°52	6° 0	9°29	4°51	5°27	12°53	24°47	M11
T 12	1 45 11	24°33'52	11♈15	18°10	29° 8	14°45	7° 2	11°25	5°49	6° 1	9°27	4°38	5°24	13° 0	24°44	T 12
W13	1 49 7	25°33'56	24° 7	19° 1	0♏24	15°30	6°54	11°32	5°47	6° 2	9°26	4°26	5°21	13° 7	24°41	W13
T 14	1 53 4	26°34'03	7♑12	19°48	1°39	16°15	6°46	11°39	5°44	6° 2	9°25	4°15	5°17	13°14	24°38	T 14
F 15	1 57 0	27°34'12	20°31	20°30	2°54	17° 0	6°38	11°46	5°42	6° 3	9°24	4° 5	5°14	13°20	24°35	F 15
S 16	2 0 57	28°34'22	4♊ 0	21° 7	4° 9	17°45	6°30	11°53	5°39	6° 4	9°23	3°59	5°11	13°27	24°32	S 16
S 17	2 4 54	29°34'35	17°38	21°39	5°25	18°30	6°22	12° 0	5°37	6° 4	9°22	3°56	5° 8	13°34	24°29	S 17
M18	2 8 50	0♏34'49	1♋25	22° 4	6°40	19°15	6°14	12° 7	5°35	6° 5	9°21	3°D54	5° 5	13°40	24°26	M18
T 19	2 12 47	1°35'06	15°19	22°23	7°55	20° 0	6° 6	12°14	5°32	6° 5	9°20	3°55	5° 2	13°47	24°23	T 19
W20	2 16 43	2°35'25	29°19	22°33	9°10	20°45	5°58	12°21	5°30	6° 6	9°19	3°R55	4°58	13°54	24°20	W20
T 21	2 20 40	3°35'46	13♌26	22°R36	10°26	21°31	5°50	12°28	5°27	6° 6	9°18	3°55	4°55	14° 0	24°18	T 21
F 22	2 24 36	4°36'09	27°38	22°29	11°41	22°16	5°42	12°35	5°25	6° 7	9°17	3°53	4°52	14° 7	24°15	F 22
S 23	2 28 33	5°36'33	11♍54	22°13	12°56	23° 2	5°34	12°42	5°22	6° 7	9°16	3°48	4°49	14°14	24°12	S 23
S 24	2 32 29	6°37'00	26° 9	21°47	14°11	23°47	5°25	12°49	5°20	6° 7	9°15	3°41	4°46	14°20	24° 9	S 24
M25	2 36 26	7°37'29	10♎21	21°11	15°27	24°33	5°17	12°56	5°17	6° 8	9°14	3°32	4°43	14°27	24° 6	M25
T 26	2 40 23	8°37'59	24°23	20°25	16°42	25°18	5° 9	13° 3	5°15	6° 8	9°13	3°23	4°39	14°34	24° 3	T 26
W27	2 44 19	9°38'31	8♏11	19°29	17°57	26° 4	5° 1	13°10	5°12	6° 8	9°12	3°13	4°36	14°40	24° 0	W27
T 28	2 48 16	10°39'05	21°42	18°24	19°13	26°50	4°53	13°16	5°10	6° 8	9°11	3° 5	4°33	14°47	23°58	T 28
F 29	2 52 12	11°39'41	4♐52	17°12	20°28	27°36	4°45	13°23	5° 7	6° 8	9°10	2°59	4°30	14°54	23°55	F 29
S 30	2 56 9	12°40'17	17°42	15°55	21°43	28°22	4°37	13°30	5° 5	6° 9	9° 9	2°56	4°27	15° 0	23°52	S 30
S 31	3 0 5	13♏40'56	0♑12	14♏34	22♏59	29♐ 8	4♑29	13♎36	5♑ 2	6♌ 9	9♈ 8	2°D55	4♑23	15♒ 7	23♈49	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5s23	22s38	3s 8	15s38	2s13	5s 3	1n 6	22s46	1s16	13n 2	1s24	1s56	2n16	13n14	0s27	18n58	0n 4	12s15	17s32	23s26	23s25	14s27	10n20	0n33
S 2	5 46	24 12	2 11	16 9	2 19	5 34	1 5	22 54	1 16	13 0	1 24	1 58	2 16	13 14	0 27	18 58	0 4	12 16	17 32	23 27	23 25	14 24	10 18	0 32
S 3	6 10	24 29	1 8	16 38	2 24	6 4	1 3	23 1	1 16	12 58	1 24	2 1	2 16	13 13	0 27	18 58	0 4	12 16	17 32	23 27	23 26	14 21	10 17	0 32
M 4	6 33	23 33	0 4	17 7	2 29	6 34	1 2	23 8	1 17	12 56	1 24	2 4	2 17	13 12	0 27	18 57	0 4	12 16	17 32	23 27	23 26	14 19	10 16	0 32
T 5	6 56	21 32	0n59	17 34	2 34	7 4	1 0	23 15	1 17	12 53	1 24	2 7	2 17	13 11	0 27	18 57	0 4	12 17	17 32	23 27	23 26	14 16	10 15	0 32
W 6	7 19	18 37	1 59	18 0	2 38	7 34	0 58	23 22	1 17	12 51	1 24	2 10	2 17	13 11	0 27	18 57	0 4	12 17	17 32	23 27	23 26	14 14	10 14	0 32
T 7	7 41	14 57	2 54	18 25	2 42	8 4	0 57	23 29	1 17	12 48	1 24	2 12	2 17	13 10	0 27	18 57	0 4	12 18	17 32	23 27	23 26	14 11	10 13	0 32
F 8	8 4	10 42	3 41	18 48	2 45	8 33	0 55	23 35	1 17	12 46	1 24	2 15	2 17	13 9	0 27	18 57	0 4	12 18	17 32	23 27	23 26	14 9	10 12	0 32
S 9	8 27	6 1	4 19	19 10	2 48	9 3	0 53	23 41	1 18	12 44	1 24	2 18	2 17	13 8	0 27	18 56	0 4	12 18	17 32	23 27	23 26	14 6	10 10	0 32
S 10	8 49	1 3	4 46	19 31	2 51	9 32	0 51	23 47	1 18	12 41	1 24	2 21	2 17	13 7	0 27	18 56	0 4	12 19	17 32	23 28	23 26	14 4	10 9	0 32
M11	9 12	4n 2	5 0	19 49	2 53	10 1	0 49	23 53	1 18	12 39	1 24	2 24	2 17	13 7	0 27	18 56	0 4	12 19	17 32	23 28	23 27	14 1	10 8	0 32
T 12	9 34	9 4	5 0	20 6	2 54	10 29	0 47	23 58	1 18	12 36	1 24	2 26	2 17	13 6	0 27	18 56	0 4	12 19	17 32	23 28	23 27	13 59	10 7	0 32
W13	9 56	13 48	4 44	20 21	2 55	10 58	0 45	24 4	1 18	12 33	1 24	2 29	2 17	13 5	0 27	18 56	0 4	12 20	17 31	23 29	23 27	13 56	10 6	0 32
T 14	10 18	17 59	4 14	20 34	2 54	11 26	0 43	24 9	1 18	12 31	1 24	2 32	2 17	13 4	0 27	18 56	0 4	12 20	17 31	23 29	23 27	13 54	10 5	0 32
F 15	10 40	21 19	3 29	20 45	2 54	11 54	0 41	24 13	1 19	12 28	1 24	2 34	2 17	13 3	0 27	18 55	0 4	12 20	17 31	23 30	23 27	13 51	10 3	0 31
S 16	11 1	23 32	2 32	20 53	2 52	12 21	0 39	24 18	1 19	12 26	1 24	2 37	2 17	13 3	0 27	18 55	0 4	12 21	17 31	23 30	23 27	13 48	10 2	0 31
S 17	11 23	24 24	1 26	20 59	2 49	12 49	0 37	24 22	1 19	12 23	1 24	2 40	2 17	13 2	0 27	18 55	0 4	12 21	17 31	23 30	23 27	13 46	10 1	0 31
M18	11 44	23 46	0 13	21 2	2 45	13 16	0 35	24 26	1 19	12 21	1 24	2 43	2 17	13 1	0 27	18 55	0 4	12 21	17 31	23 30	23 28	13 43	10 0	0 31
T 19	12 5	21 40	1s 1	21 2	2 40	13 42	0 32	24 30	1 19	12 18	1 24	2 45	2 17	13 0	0 27	18 55	0 4	12 21	17 31	23 30	23 28	13 41	9 59	0 31
W20	12 26	18 15	2 11	20 58	2 34	14 9	0 30	24 33	1 19	12 15	1 24	2 48	2 17	12 59	0 27	18 55	0 5	12 22	17 31	23 30	23 28	13 38	9 58	0 31
T 21	12 47	13 46	3 15	20 52	2 26	14 35	0 28	24 36	1 19	12 13	1 24	2 51	2 18	12 59	0 27	18 55	0 5	12 22	17 30	23 30	23 28	13 36	9 57	0 31
F 22	13 7	8 30	4 7	20 41	2 17	15 0	0 26	24 39	1 19	12 10	1 24	2 53	2 18	12 58	0 27	18 55	0 5	12 22	17 30	23 30	23 28	13 33	9 55	0 31
S 23	13 27	2 46	4 43	20 26	2 6	15 26	0 23	24 42	1 19	12 7	1 24	2 56	2 18	12 57	0 27	18 55	0 5	12 22	17 30	23 30	23 28	13 31	9 54	0 31
S 24	13 47	3s 5	5 2	20 7	1 53	15 50	0 21	24 44	1 20	12 5	1 24	2 58	2 18	12 56	0 27	18 54	0 5	12 23	17 30	23 30	23 28	13 28	9 53	0 31
M25	14 7	8 45	5 3	19 44	1 39	16 15	0 19	24 46	1 20	12 2	1 24	3 1	2 18	12 55	0 27	18 54	0 5	12 23	17 30	23 31	23 28	13 25	9 52	0 31
T 26	14 27	13 54	4 45	19 16	1 23	16 39	0 16	24 48	1 20	12 0	1 23	3 3	2 18	12 54	0 27	18 54	0 5	12 23	17 29	23 31	23 28	13 23	9 51	0 30
W27	14 46	18 15	4 11	18 44	1 6	17 2	0 14	24 49	1 20	11 57	1 23	3 6	2 18	12 54	0 27	18 54	0 5	12 23	17 29	23 31	23 29	13 20	9 50	0 30
T 28	15 5	21 32	3 23	18 8	0 47	17 26	0 12	24 51	1 20	11 54	1 23	3 9	2 18	12 53	0 27	18 54	0 5	12 24	17 29	23 31	23 29	13 18	9 49	0 30
F 29	15 24	23 35	2 25	17 29	0 27	17 48	0 9	24 52	1 20	11 52	1 23	3 11	2 18	12 52	0 27	18 54	0 5	12 24	17 29	23 31	23 29	13 15	9 47	0 30
S 30	15 43	24 20	1 21	16 47	0 7	18 10	0 7	24 52	1 20	11 49	1 23	3 14	2 18	12 51	0 27	18 54	0 5	12 24	17 29	23 31	23 29	13 13	9 46	0 30
S 31	16s 1	23s48	0s15	16s 4	0n14	18s32	0n 4	24s53	1s20	11n47	1s23	3s16	2n19	12n50	0s27	18n54	0n 5	12s24	17s28	23s31	23s29	13s10	9n45	0n30

Julian Day Number = 2122375.5, Delta T = 17m46s
Ecliptic obliquity = 23°33'24, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°10'34, Lahiri = 11°17'35 Julian Calendar 1 Oct. 1098 == Greg. Calendar 7 Oct. 1098

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1098
geocentric

NOVEMBER 1098 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 4 2	14♏41'35	12♑26	13°R12	24♏14	29♐53	4°R21	13♎43	5°R 0	6♌ 9	9°R 7	2♑55	4♑20	15♒14	23°R47	M 1
T 2	3 7 58	15°42'16	24°26	11♏53	25°29	0♑39	4♉13	13°50	4♉57	6°R 9	9♈ 6	2°56	4°17	15°20	23♈44	T 2
W 3	3 11 55	16°42'58	6♒19	10°39	26°44	1°26	4° 5	13°56	4°55	6° 9	9° 5	2°58	4°14	15°27	23°41	W 3
T 4	3 15 52	17°43'41	18° 8	9°31	28° 0	2°12	3°57	14° 3	4°52	6° 9	9° 4	2°R58	4°11	15°34	23°39	T 4
F 5	3 19 48	18°44'25	0♓ 0	8°33	29°15	2°58	3°50	14° 9	4°50	6° 9	9° 4	2°57	4° 8	15°40	23°36	F 5
S 6	3 23 45	19°45'10	11°59	7°45	0♐30	3°44	3°42	14°15	4°48	6° 9	9° 3	2°55	4° 4	15°47	23°33	S 6
S 7	3 27 41	20°45'56	24°10	7° 8	1°46	4°30	3°35	14°22	4°45	6° 8	9° 2	2°50	4° 1	15°54	23°31	S 7
M 8	3 31 38	21°46'43	6♈37	6°43	3° 1	5°16	3°27	14°28	4°43	6° 8	9° 1	2°44	3°58	16° 0	23°28	M 8
T 9	3 35 34	22°47'32	19°22	6°30	4°16	6° 3	3°20	14°34	4°41	6° 8	9° 0	2°37	3°55	16° 7	23°26	T 9
W10	3 39 31	23°48'21	2♉27	6°D27	5°31	6°49	3°13	14°40	4°38	6° 8	9° 0	2°30	3°52	16°14	23°23	W10
T 11	3 43 27	24°49'12	15°51	6°36	6°47	7°35	3° 6	14°47	4°36	6° 7	8°59	2°23	3°49	16°20	23°21	T 11
F 12	3 47 24	25°50'04	29°32	6°54	8° 2	8°22	2°59	14°53	4°34	6° 7	8°58	2°18	3°45	16°27	23°19	F 12
S 13	3 51 21	26°50'57	13♊27	7°20	9°17	9° 8	2°52	14°59	4°31	6° 7	8°57	2°15	3°42	16°34	23°16	S 13
S 14	3 55 17	27°51'51	27°33	7°55	10°32	9°55	2°45	15° 5	4°29	6° 6	8°57	2°D14	3°39	16°41	23°14	S 14
M15	3 59 14	28°52'46	11♋45	8°37	11°48	10°41	2°39	15°11	4°27	6° 6	8°56	2°14	3°36	16°47	23°12	M15
T 16	4 3 10	29°53'43	26° 1	9°25	13° 3	11°28	2°32	15°17	4°25	6° 6	8°55	2°15	3°33	16°54	23° 9	T 16
W17	4 7 7	0♐54'41	10♌16	10°19	14°18	12°15	2°26	15°22	4°23	6° 5	8°55	2°17	3°29	17° 1	23° 7	W17
T 18	4 11 3	1°55'40	24°28	11°18	15°33	13° 1	2°20	15°28	4°20	6° 5	8°54	2°18	3°26	17° 7	23° 5	T 18
F 19	4 15 0	2°56'41	8♍35	12°21	16°48	13°48	2°14	15°34	4°18	6° 4	8°53	2°R18	3°23	17°14	23° 3	F 19
S 20	4 18 56	3°57'42	22°37	13°28	18° 4	14°34	2° 8	15°40	4°16	6° 3	8°53	2°17	3°20	17°21	23° 1	S 20
S 21	4 22 53	4°58'45	6♎31	14°38	19°19	15°21	2° 2	15°45	4°14	6° 3	8°52	2°14	3°17	17°27	22°59	S 21
M22	4 26 50	5°59'49	20°15	15°50	20°34	16° 8	1°56	15°51	4°12	6° 2	8°52	2°10	3°14	17°34	22°57	M22
T 23	4 30 46	7° 0'54	3♏49	17° 6	21°49	16°55	1°51	15°56	4°10	6° 2	8°51	2° 6	3°10	17°41	22°55	T 23
W24	4 34 43	8° 2'00	17°10	18°23	23° 5	17°42	1°46	16° 1	4° 8	6° 1	8°51	2° 2	3° 7	17°47	22°53	W24
T 25	4 38 39	9° 3'06	0♐17	19°42	24°20	18°28	1°41	16° 7	4° 6	6° 0	8°50	1°59	3° 4	17°54	22°51	T 25
F 26	4 42 36	10° 4'14	13° 9	21° 3	25°35	19°15	1°36	16°12	4° 4	5°59	8°50	1°57	3° 1	18° 1	22°49	F 26
S 27	4 46 32	11° 5'22	25°45	22°25	26°50	20° 2	1°31	16°17	4° 3	5°59	8°49	1°56	2°58	18° 7	22°48	S 27
S 28	4 50 29	12° 6'31	8♑ 8	23°48	28° 5	20°49	1°27	16°22	4° 1	5°58	8°49	1°D56	2°55	18°14	22°46	S 28
M29	4 54 26	13° 7'40	20°17	25°12	29°21	21°36	1°22	16°27	3°59	5°57	8°48	1°56	2°51	18°21	22°44	M29
T 30	4 58 22	14♐ 8'50	2♒16	26♏38	0♑36	22♑23	1♉18	16♎32	3♉57	5♌56	8♈48	1♑58	2♑48	18♒27	22♈43	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16s19	22s 7	0n51	15s20	0n34	18s53	0n 2	24s53	1s20	11n44	1s23	3s18	2n19	12n49	0s27	18n54	0n 5	12s24	17s28	23s31	23s29	13s 7	9n44	0n30
T 2	16 37	19 28	1 54	14 37	0 54	19 14	0s 0	24 53	1 20	11 42	1 22	3 21	2 19	12 49	0 27	18 54	0 5	12 24	17 28	23 31	23 29	13 5	9 43	0 30
W 3	16 55	16 2	2 51	13 56	1 13	19 34	0 3	24 53	1 20	11 39	1 22	3 23	2 19	12 48	0 27	18 54	0 5	12 24	17 28	23 31	23 29	13 2	9 42	0 30
T 4	17 12	11 59	3 40	13 19	1 30	19 54	0 5	24 52	1 20	11 37	1 22	3 26	2 19	12 47	0 27	18 54	0 5	12 25	17 28	23 31	23 29	13 0	9 41	0 30
F 5	17 29	7 28	4 20	12 46	1 45	20 13	0 8	24 51	1 20	11 34	1 22	3 28	2 19	12 46	0 27	18 54	0 5	12 25	17 27	23 31	23 29	12 57	9 40	0 30
S 6	17 46	2 38	4 49	12 18	1 58	20 31	0 10	24 50	1 20	11 32	1 22	3 30	2 19	12 45	0 27	18 54	0 5	12 25	17 27	23 31	23 30	12 54	9 39	0 29
S 7	18 2	2n21	5 6	11 56	2 9	20 49	0 13	24 48	1 20	11 29	1 22	3 33	2 20	12 45	0 27	18 54	0 5	12 25	17 27	23 32	23 30	12 52	9 38	0 29
M 8	18 18	7 22	5 9	11 39	2 18	21 6	0 15	24 46	1 19	11 27	1 21	3 35	2 20	12 44	0 27	18 54	0 5	12 25	17 27	23 32	23 30	12 49	9 37	0 29
T 9	18 34	12 11	4 57	11 28	2 25	21 23	0 17	24 44	1 19	11 25	1 21	3 37	2 20	12 43	0 27	18 54	0 5	12 25	17 26	23 32	23 30	12 47	9 36	0 29
W10	18 49	16 35	4 29	11 23	2 30	21 39	0 20	24 42	1 19	11 23	1 21	3 40	2 20	12 42	0 27	18 55	0 5	12 25	17 26	23 32	23 30	12 44	9 35	0 29
T 11	19 4	20 15	3 46	11 22	2 33	21 55	0 22	24 39	1 19	11 20	1 21	3 42	2 20	12 42	0 27	18 55	0 5	12 25	17 26	23 32	23 30	12 41	9 34	0 29
F 12	19 19	22 54	2 49	11 26	2 35	22 10	0 25	24 36	1 19	11 18	1 21	3 44	2 20	12 41	0 27	18 55	0 5	12 25	17 25	23 32	23 30	12 39	9 33	0 29
S 13	19 33	24 11	1 41	11 35	2 36	22 24	0 27	24 33	1 19	11 16	1 20	3 46	2 20	12 40	0 27	18 55	0 5	12 25	17 25	23 32	23 30	12 36	9 32	0 29
S 14	19 47	23 58	0 26	11 47	2 35	22 37	0 29	24 30	1 19	11 14	1 20	3 48	2 21	12 39	0 27	18 55	0 5	12 25	17 25	23 32	23 30	12 34	9 31	0 29
M15	20 0	22 10	0s52	12 2	2 33	22 50	0 32	24 26	1 19	11 12	1 20	3 51	2 21	12 39	0 27	18 55	0 5	12 25	17 25	23 32	23 30	12 31	9 30	0 29
T 16	20 14	18 59	2 6	12 20	2 30	23 2	0 34	24 22	1 19	11 10	1 20	3 53	2 21	12 38	0 27	18 55	0 5	12 25	17 24	23 32	23 31	12 28	9 29	0 29
W17	20 26	14 39	3 13	12 40	2 26	23 14	0 36	24 18	1 19	11 8	1 19	3 55	2 21	12 37	0 27	18 55	0 5	12 25	17 24	23 32	23 31	12 26	9 28	0 28
T 18	20 39	9 32	4 8	13 3	2 22	23 25	0 39	24 13	1 18	11 6	1 19	3 57	2 21	12 36	0 27	18 55	0 5	12 25	17 24	23 32	23 31	12 23	9 27	0 28
F 19	20 51	3 57	4 47	13 27	2 17	23 35	0 41	24 8	1 18	11 4	1 19	3 59	2 21	12 36	0 27	18 56	0 5	12 25	17 23	23 32	23 31	12 21	9 26	0 28
S 20	21 3	1s47	5 9	13 52	2 11	23 44	0 43	24 3	1 18	11 2	1 19	4 1	2 22	12 35	0 27	18 56	0 5	12 25	17 23	23 32	23 31	12 18	9 25	0 28
S 21	21 14	7 23	5 13	14 19	2 5	23 53	0 46	23 57	1 18	11 1	1 18	4 3	2 22	12 34	0 27	18 56	0 5	12 25	17 23	23 32	23 31	12 15	9 25	0 28
M22	21 25	12 33	4 58	14 46	1 59	24 1	0 48	23 52	1 18	10 59	1 18	4 5	2 22	12 34	0 27	18 56	0 5	12 25	17 22	23 32	23 31	12 13	9 24	0 28
T 23	21 35	17 2	4 27	15 14	1 52	24 8	0 50	23 46	1 18	10 57	1 18	4 7	2 22	12 33	0 27	18 56	0 5	12 25	17 22	23 32	23 31	12 10	9 23	0 28
W24	21 45	20 35	3 42	15 42	1 45	24 14	0 52	23 39	1 17	10 56	1 18	4 9	2 22	12 32	0 27	18 56	0 5	12 25	17 22	23 32	23 31	12 8	9 22	0 28
T 25	21 55	23 0	2 46	16 10	1 38	24 20	0 54	23 33	1 17	10 54	1 17	4 11	2 23	12 32	0 27	18 57	0 5	12 25	17 22	23 32	23 31	12 5	9 21	0 28
F 26	22 4	24 10	1 42	16 38	1 31	24 25	0 56	23 26	1 17	10 53	1 17	4 12	2 23	12 31	0 27	18 57	0 5	12 24	17 21	23 33	23 31	12 2	9 21	0 28
S 27	22 13	24 3	0 34	17 7	1 24	24 29	0 58	23 19	1 17	10 52	1 17	4 14	2 23	12 31	0 27	18 57	0 5	12 24	17 21	23 33	23 31	12 0	9 20	0 27
S 28	22 21	22 44	0n34	17 35	1 16	24 33	1 0	23 12	1 17	10 50	1 17	4 16	2 23	12 30	0 27	18 57	0 5	12 24	17 21	23 33	23 31	11 57	9 19	0 27
M29	22 29	20 22	1 40	18 3	1 9	24 36	1 2	23 4	1 16	10 49	1 16	4 18	2 23	12 29	0 27	18 58	0 5	12 24	17 20	23 33	23 32	11 54	9 18	0 27
T 30	22s37	17s 9	2n40	18s30	1n 1	24s37	1s 4	22s56	1s16	10n48	1s16	4s19	2n24	12n29	0s27	18n58	0n 5	12s24	17s20	23s32	23s32	11s52	9n18	0n27

Julian Day Number = 2122406.5, Delta T = 17m46s
Ecliptic obliquity = 23°33'23, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°10'39, Lahiri = 11°17'39 Julian Calendar 1 Nov. 1098 == Greg. Calendar 7 Nov. 1098

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1098
geocentric

DECEMBER 1098 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 2 19	15♐ 9'59	14♒ 9	28♏ 4	1♑51	23♑10	1°R14	16♎37	3°R55	5°R55	8°R48	2♑ 0	2♑45	18♒34	22°R41	W 1
T 2	5 6 15	16°11'09	25°58	29°30	3° 6	23°57	1♉11	16°42	3♉54	5♌54	8♈47	2° 1	2°42	18°41	22♈40	T 2
F 3	5 10 12	17°12'19	7♓50	0♐58	4°21	24°44	1° 7	16°47	3°52	5°53	8°47	2° 2	2°39	18°48	22°38	F 3
S 4	5 14 8	18°13'30	19°47	2°26	5°36	25°31	1° 4	16°52	3°51	5°52	8°47	2°R 2	2°35	18°54	22°37	S 4
S 5	5 18 5	19°14'40	1♈56	3°54	6°51	26°18	1° 0	16°56	3°49	5°51	8°46	2° 2	2°32	19° 1	22°36	S 5
M 6	5 22 1	20°15'50	14°21	5°23	8° 7	27° 5	0°58	17° 1	3°48	5°50	8°46	2° 1	2°29	19° 8	22°34	M 6
T 7	5 25 58	21°17'01	27° 6	6°53	9°22	27°52	0°55	17° 5	3°46	5°49	8°46	1°59	2°26	19°14	22°33	T 7
W 8	5 29 55	22°18'11	10♉14	8°23	10°37	28°39	0°52	17° 9	3°45	5°48	8°46	1°58	2°23	19°21	22°32	W 8
T 9	5 33 51	23°19'22	23°45	9°53	11°52	29°26	0°50	17°14	3°43	5°47	8°45	1°57	2°20	19°28	22°31	T 9
F 10	5 37 48	24°20'32	7♊40	11°24	13° 7	0♒13	0°48	17°18	3°42	5°46	8°45	1°56	2°16	19°34	22°30	F 10
S 11	5 41 44	25°21'43	21°56	12°55	14°22	1° 0	0°46	17°22	3°41	5°45	8°45	1°55	2°13	19°41	22°29	S 11
S 12	5 45 41	26°22'54	6♋27	14°26	15°37	1°48	0°44	17°26	3°39	5°43	8°45	1°D55	2°10	19°48	22°28	S 12
M13	5 49 37	27°24'04	21° 9	15°58	16°52	2°35	0°42	17°30	3°38	5°42	8°45	1°56	2° 7	19°54	22°27	M13
T 14	5 53 34	28°25'15	5♌53	17°30	18° 7	3°22	0°41	17°34	3°37	5°41	8°45	1°56	2° 4	20° 1	22°26	T 14
W15	5 57 30	29°26'26	20°34	19° 2	19°22	4° 9	0°40	17°38	3°36	5°40	8°45	1°56	2° 1	20° 8	22°26	W15
T 16	6 1 27	0♑27'37	5♍ 5	20°35	20°37	4°56	0°39	17°41	3°35	5°38	8°45	1°56	1°57	20°15	22°25	T 16
F 17	6 5 24	1°28'49	19°23	22° 8	21°52	5°43	0°38	17°45	3°34	5°37	8°D45	1°56	1°54	20°21	22°24	F 17
S 18	6 9 20	2°30'00	3♎25	23°42	23° 7	6°30	0°38	17°48	3°33	5°36	8°45	1°56	1°51	20°28	22°24	S 18
S 19	6 13 17	3°31'12	17°10	25°16	24°22	7°17	0°37	17°52	3°32	5°34	8°45	1°57	1°48	20°35	22°23	S 19
M20	6 17 13	4°32'23	0♏37	26°50	25°37	8° 5	0°D37	17°55	3°31	5°33	8°45	1°57	1°45	20°41	22°23	M20
T 21	6 21 10	5°33'35	13°49	28°25	26°52	8°52	0°37	17°58	3°30	5°32	8°45	1°57	1°41	20°48	22°22	T 21
W22	6 25 6	6°34'46	26°46	29°59	28° 7	9°39	0°38	18° 2	3°30	5°30	8°45	1°57	1°38	20°55	22°22	W22
T 23	6 29 3	7°35'58	9♐29	1♑36	29°22	10°26	0°38	18° 5	3°29	5°29	8°45	1°58	1°35	21° 1	22°22	T 23
F 24	6 32 59	8°37'09	22° 0	3°12	0♒36	11°13	0°39	18° 8	3°28	5°27	8°45	1°58	1°32	21° 8	22°22	F 24
S 25	6 36 56	9°38'20	4♑20	4°48	1°51	12° 0	0°40	18°10	3°28	5°26	8°45	1°R59	1°29	21°15	22°21	S 25
S 26	6 40 53	10°39'31	16°30	6°25	3° 6	12°48	0°41	18°13	3°27	5°24	8°45	1°58	1°26	21°21	22°21	S 26
M27	6 44 49	11°40'41	28°33	8° 3	4°21	13°35	0°43	18°16	3°26	5°23	8°46	1°57	1°22	21°28	22°D21	M27
T 28	6 48 46	12°41'50	10♒28	9°41	5°36	14°22	0°44	18°18	3°26	5°21	8°46	1°56	1°19	21°35	22°21	T 28
W29	6 52 42	13°42'58	22°19	11°19	6°50	15° 9	0°46	18°21	3°26	5°20	8°46	1°54	1°16	21°41	22°21	W29
T 30	6 56 39	14°44'06	4♓ 9	12°58	8° 5	15°56	0°48	18°23	3°25	5°18	8°46	1°52	1°13	21°48	22°22	T 30
F 31	7 0 35	15♑45'13	16♓ 0	14♑38	9♒20	16♒43	0♉50	18♎26	3♉25	5♌17	8♈47	1♑50	1♑10	21♒55	22♈22	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s44	13s16	3n33	18s57	0n54	24s39	1s 6	22s48	1s16	10n47	1s16	4s21	2n24	12n28	0s27	18n58	0n 5	12s24	17s19	23s32	23s32	11s49	9n17	0n27
T 2	22 50	8 54	4 16	19 24	0 46	24 39	1 8	22 40	1 16	10 46	1 15	4 23	2 24	12 28	0 27	18 58	0 5	12 24	17 19	23 32	23 32	11 47	9 16	0 27
F 3	22 56	4 12	4 49	19 49	0 39	24 39	1 10	22 31	1 15	10 45	1 15	4 24	2 24	12 27	0 27	18 58	0 5	12 23	17 19	23 32	23 32	11 44	9 16	0 27
S 4	23 2	0n41	5 10	20 14	0 31	24 38	1 11	22 22	1 15	10 44	1 15	4 26	2 24	12 27	0 26	18 59	0 5	12 23	17 18	23 32	23 32	11 41	9 15	0 27
S 5	23 7	5 37	5 17	20 39	0 24	24 36	1 13	22 13	1 15	10 43	1 14	4 28	2 25	12 26	0 26	18 59	0 5	12 23	17 18	23 32	23 32	11 39	9 15	0 27
M 6	23 12	10 26	5 10	21 2	0 16	24 33	1 15	22 4	1 14	10 42	1 14	4 29	2 25	12 26	0 26	18 59	0 5	12 23	17 18	23 32	23 32	11 36	9 14	0 27
T 7	23 16	14 57	4 47	21 25	0 9	24 30	1 16	21 54	1 14	10 42	1 14	4 31	2 25	12 25	0 26	19 0	0 5	12 23	17 17	23 32	23 32	11 33	9 14	0 26
W 8	23 20	18 54	4 9	21 47	0 2	24 26	1 18	21 44	1 14	10 41	1 14	4 32	2 25	12 25	0 26	19 0	0 5	12 22	17 17	23 32	23 32	11 31	9 13	0 26
T 9	23 23	21 58	3 16	22 8	0s 5	24 21	1 20	21 34	1 14	10 40	1 13	4 34	2 26	12 24	0 26	19 0	0 5	12 22	17 17	23 32	23 32	11 28	9 13	0 26
F 10	23 26	23 51	2 11	22 28	0 13	24 15	1 21	21 24	1 13	10 40	1 13	4 35	2 26	12 24	0 26	19 0	0 5	12 22	17 16	23 33	23 32	11 25	9 12	0 26
S 11	23 28	24 14	0 55	22 47	0 19	24 9	1 22	21 13	1 13	10 40	1 13	4 36	2 26	12 23	0 26	19 1	0 5	12 21	17 16	23 33	23 32	11 23	9 12	0 26
S 12	23 30	22 59	0s25	23 5	0 26	24 1	1 24	21 2	1 13	10 39	1 12	4 38	2 26	12 23	0 26	19 1	0 5	12 21	17 16	23 33	23 32	11 20	9 11	0 26
M13	23 32	20 10	1 45	23 21	0 33	23 54	1 25	20 51	1 12	10 39	1 12	4 39	2 26	12 23	0 26	19 1	0 5	12 21	17 15	23 33	23 32	11 18	9 11	0 26
T 14	23 33	16 1	2 58	23 37	0 39	23 45	1 26	20 40	1 12	10 39	1 12	4 40	2 27	12 22	0 26	19 2	0 5	12 21	17 15	23 33	23 32	11 15	9 10	0 26
W15	23 33	10 56	3 59	23 52	0 46	23 36	1 27	20 28	1 12	10 39	1 11	4 41	2 27	12 22	0 26	19 2	0 5	12 20	17 14	23 33	23 32	11 12	9 10	0 26
T 16	23 33	5 18	4 44	24 5	0 52	23 25	1 29	20 17	1 11	10 39	1 11	4 43	2 27	12 22	0 26	19 2	0 5	12 20	17 14	23 33	23 32	11 10	9 10	0 25
F 17	23 33	0s32	5 10	24 17	0 58	23 15	1 30	20 5	1 11	10 39	1 11	4 44	2 27	12 21	0 26	19 3	0 5	12 20	17 14	23 33	23 33	11 7	9 9	0 25
S 18	23 32	6 13	5 18	24 28	1 4	23 3	1 31	19 53	1 11	10 39	1 10	4 45	2 28	12 21	0 26	19 3	0 5	12 19	17 13	23 33	23 33	11 4	9 9	0 25
S 19	23 31	11 29	5 7	24 37	1 9	22 51	1 32	19 40	1 10	10 39	1 10	4 46	2 28	12 21	0 26	19 3	0 5	12 19	17 13	23 33	23 33	11 2	9 9	0 25
M20	23 29	16 6	4 39	24 46	1 14	22 38	1 32	19 28	1 10	10 39	1 10	4 47	2 28	12 20	0 26	19 4	0 5	12 19	17 13	23 32	23 33	10 59	9 8	0 25
T 21	23 26	19 49	3 57	24 52	1 20	22 25	1 33	19 15	1 9	10 40	1 10	4 48	2 28	12 20	0 26	19 4	0 5	12 18	17 12	23 32	23 33	10 56	9 8	0 25
W22	23 24	22 30	3 3	24 58	1 25	22 10	1 34	19 2	1 9	10 40	1 9	4 49	2 29	12 20	0 26	19 4	0 5	12 18	17 12	23 32	23 33	10 54	9 8	0 25
T 23	23 20	23 59	2 2	25 2	1 29	21 56	1 35	18 49	1 9	10 41	1 9	4 50	2 29	12 20	0 26	19 5	0 5	12 17	17 12	23 32	23 33	10 51	9 8	0 25
F 24	23 16	24 14	0 55	25 5	1 34	21 40	1 35	18 35	1 8	10 41	1 9	4 51	2 29	12 20	0 26	19 5	0 5	12 17	17 11	23 32	23 33	10 48	9 8	0 25
S 25	23 12	23 16	0n13	25 6	1 38	21 24	1 36	18 22	1 8	10 42	1 8	4 52	2 29	12 19	0 26	19 6	0 5	12 17	17 11	23 32	23 33	10 46	9 7	0 25
S 26	23 8	21 13	1 20	25 6	1 42	21 7	1 36	18 8	1 7	10 42	1 8	4 52	2 30	12 19	0 26	19 6	0 5	12 16	17 10	23 32	23 33	10 43	9 7	0 24
M27	23 2	18 14	2 22	25 4	1 46	20 50	1 37	17 54	1 7	10 43	1 8	4 53	2 30	12 19	0 26	19 6	0 5	12 16	17 10	23 32	23 33	10 40	9 7	0 24
T 28	22 57	14 32	3 18	25 1	1 49	20 32	1 37	17 40	1 7	10 44	1 7	4 54	2 30	12 19	0 26	19 7	0 5	12 15	17 10	23 33	23 33	10 38	9 7	0 24
W29	22 51	10 17	4 4	24 56	1 52	20 13	1 37	17 26	1 6	10 45	1 7	4 55	2 30	12 19	0 26	19 7	0 5	12 15	17 9	23 33	23 33	10 35	9 7	0 24
T 30	22 44	5 41	4 40	24 49	1 55	19 54	1 37	17 11	1 6	10 46	1 7	4 55	2 31	12 19	0 26	19 7	0 6	12 15	17 9	23 33	23 33	10 32	9 7	0 24
F 31	22s37	0s53	5n 4	24s41	1s57	19s34	1s37	16s56	1s 5	10n47	1s 6	4s56	2n31	12n19	0s26	19n 8	0n 6	12s14	17s 9	23s33	23s33	10s30	9n 7	0n24

Julian Day Number = 2122436.5, Delta T = 17m46s
Ecliptic obliquity = 23°33'22, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°10'43, Lahiri = 11°17'43 Julian Calendar 1 Dec. 1098 == Greg. Calendar 7 Dec. 1098

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1099
geocentric

JANUARY 1099 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 4 32	16♑46'19	27♓56	16♑18	10♒35	17♒30	0♉52	18♎28	3°R25	5°R15	8♈47	1°R49	1♑ 7	22♒ 2	22♈22	S 1
S 2	7 8 29	17°47'24	10♈ 3	17°59	11°49	18°17	0°55	18°30	3♉24	5♌13	8°47	1♑48	1° 3	22° 8	22°22	S 2
M 3	7 12 25	18°48'28	22°23	19°40	13° 4	19° 4	0°58	18°32	3°24	5°12	8°48	1°D48	1° 0	22°15	22°23	M 3
T 4	7 16 22	19°49'31	5♉ 1	21°22	14°19	19°52	1° 1	18°34	3°24	5°10	8°48	1°48	0°57	22°22	22°23	T 4
W 5	7 20 18	20°50'32	18° 3	23° 5	15°33	20°39	1° 4	18°35	3°D24	5° 9	8°49	1°50	0°54	22°28	22°24	W 5
T 6	7 24 15	21°51'33	1♊29	24°48	16°48	21°26	1° 7	18°37	3°24	5° 7	8°49	1°51	0°51	22°35	22°24	T 6
F 7	7 28 11	22°52'33	15°24	26°31	18° 2	22°13	1°11	18°39	3°24	5° 5	8°49	1°52	0°47	22°42	22°25	F 7
S 8	7 32 8	23°53'31	29°44	28°15	19°17	23° 0	1°15	18°40	3°24	5° 4	8°50	1°R53	0°44	22°48	22°26	S 8
S 9	7 36 4	24°54'29	14♋28	0♒ 0	20°31	23°47	1°18	18°41	3°25	5° 2	8°50	1°53	0°41	22°55	22°27	S 9
M10	7 40 1	25°55'25	29°29	1°45	21°46	24°34	1°23	18°43	3°25	5° 0	8°51	1°51	0°38	23° 2	22°27	M10
T 11	7 43 58	26°56'20	14♌38	3°31	23° 0	25°21	1°27	18°44	3°25	4°59	8°51	1°48	0°35	23° 9	22°28	T 11
W12	7 47 54	27°57'15	29°45	5°17	24°14	26° 7	1°31	18°45	3°25	4°57	8°52	1°45	0°32	23°15	22°29	W12
T 13	7 51 51	28°58'08	14♍41	7° 3	25°29	26°54	1°36	18°46	3°26	4°55	8°53	1°41	0°28	23°22	22°30	T 13
F 14	7 55 47	29°59'00	29°19	8°49	26°43	27°41	1°41	18°47	3°26	4°54	8°53	1°37	0°25	23°29	22°31	F 14
S 15	7 59 44	0♒59'52	13♎34	10°36	27°57	28°28	1°46	18°47	3°27	4°52	8°54	1°35	0°22	23°35	22°32	S 15
S 16	8 3 40	2° 0'42	27°23	12°22	29°11	29°15	1°51	18°48	3°27	4°50	8°54	1°D34	0°19	23°42	22°34	S 16
M17	8 7 37	3° 1'32	10♏48	14° 9	0♓26	0♓ 2	1°56	18°48	3°28	4°49	8°55	1°34	0°16	23°49	22°35	M17
T 18	8 11 33	4° 2'21	23°50	15°54	1°40	0°49	2° 2	18°49	3°28	4°47	8°56	1°35	0°13	23°55	22°36	T 18
W19	8 15 30	5° 3'09	6♐33	17°39	2°54	1°35	2° 8	18°49	3°29	4°45	8°57	1°37	0° 9	24° 2	22°37	W19
T 20	8 19 27	6° 3'55	19° 0	19°24	4° 8	2°22	2°14	18°49	3°30	4°44	8°57	1°38	0° 6	24° 9	22°39	T 20
F 21	8 23 23	7° 4'41	1♑15	21° 6	5°22	3° 9	2°20	18°R49	3°31	4°42	8°58	1°R39	0° 3	24°15	22°40	F 21
S 22	8 27 20	8° 5'25	13°21	22°47	6°36	3°56	2°26	18°49	3°32	4°40	8°59	1°38	29♐59	24°22	22°42	S 22
S 23	8 31 16	9° 6'08	25°20	24°26	7°50	4°42	2°32	18°49	3°32	4°39	9° 0	1°35	29°57	24°29	22°43	S 23
M24	8 35 13	10° 6'50	7♒14	26° 3	9° 4	5°29	2°39	18°49	3°33	4°37	9° 0	1°31	29°53	24°36	22°45	M24
T 25	8 39 9	11° 7'30	19° 6	27°36	10°18	6°16	2°46	18°49	3°34	4°35	9° 1	1°24	29°50	24°42	22°47	T 25
W26	8 43 6	12° 8'09	0♓56	29° 6	11°31	7° 2	2°53	18°48	3°35	4°34	9° 2	1°17	29°47	24°49	22°48	W26
T 27	8 47 2	13° 8'46	12°47	0♓31	12°45	7°49	3° 0	18°48	3°37	4°32	9° 3	1° 8	29°44	24°56	22°50	T 27
F 28	8 50 59	14° 9'21	24°41	1°52	13°59	8°35	3° 7	18°47	3°38	4°30	9° 4	1° 0	29°41	25° 2	22°52	F 28
S 29	8 54 56	15° 9'54	6♈40	3° 6	15°13	9°22	3°14	18°46	3°39	4°29	9° 5	0°53	29°38	25° 9	22°54	S 29
S 30	8 58 52	16°10'26	18°46	4°15	16°26	10° 8	3°22	18°46	3°40	4°27	9° 6	0°47	29°34	25°16	22°56	S 30
M31	9 2 49	17♒10'56	1♉ 4	5♓16	17♓40	10♓55	3♉29	18♎45	3♉41	4♌25	9♈ 6	0♑44	29♐31	25♒22	22♈58	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s30	4n 0	5n15	24s32	1s59	19s14	1s37	16s42	1s 5	10n48	1s 6	4s56	2n31	12n19	0s26	19n 8	0n 6	12s14	17s 8	23s33	23s33	10s27	9n 7	0n24
S 2	22 22	8 47	5 13	24 20	2 1	18 53	1 37	16 27	1 4	10 49	1 6	4 57	2 32	12 19	0 26	19 9	0 6	12 13	17 8	23 33	23 33	10 24	9 7	0 24
M 3	22 14	13 19	4 56	24 7	2 2	18 32	1 37	16 11	1 4	10 51	1 6	4 57	2 32	12 19	0 26	19 9	0 6	12 13	17 8	23 33	23 33	10 22	9 7	0 24
T 4	22 5	17 25	4 25	23 53	2 3	18 10	1 37	15 56	1 4	10 52	1 5	4 58	2 32	12 19	0 26	19 9	0 6	12 12	17 7	23 33	23 33	10 19	9 7	0 24
W 5	21 56	20 47	3 39	23 36	2 4	17 48	1 37	15 41	1 3	10 53	1 5	4 58	2 32	12 19	0 26	19 10	0 6	12 12	17 7	23 33	23 33	10 16	9 7	0 23
T 6	21 46	23 10	2 40	23 18	2 4	17 25	1 37	15 25	1 3	10 55	1 5	4 59	2 33	12 19	0 26	19 10	0 6	12 11	17 6	23 33	23 33	10 14	9 7	0 23
F 7	21 36	24 14	1 30	22 59	2 4	17 1	1 36	15 9	1 2	10 56	1 4	4 59	2 33	12 19	0 26	19 11	0 6	12 11	17 6	23 33	23 33	10 11	9 8	0 23
S 8	21 26	23 45	0 12	22 37	2 3	16 38	1 36	14 53	1 2	10 58	1 4	4 59	2 33	12 19	0 25	19 11	0 6	12 10	17 6	23 33	23 33	10 8	9 8	0 23
S 9	21 15	21 38	1s 9	22 14	2 2	16 13	1 35	14 37	1 1	10 59	1 4	5 0	2 33	12 19	0 25	19 12	0 6	12 10	17 5	23 33	23 33	10 6	9 8	0 23
M10	21 4	17 59	2 26	21 49	2 0	15 49	1 34	14 21	1 1	11 1	1 3	5 0	2 34	12 19	0 25	19 12	0 6	12 9	17 5	23 33	23 33	10 3	9 8	0 23
T 11	20 52	13 7	3 34	21 22	1 58	15 24	1 34	14 5	1 0	11 3	1 3	5 0	2 34	12 19	0 25	19 12	0 6	12 9	17 5	23 33	23 33	10 0	9 8	0 23
W12	20 40	7 27	4 26	20 54	1 55	14 58	1 33	13 48	1 0	11 5	1 3	5 0	2 34	12 19	0 25	19 13	0 6	12 8	17 4	23 33	23 33	9 58	9 9	0 23
T 13	20 28	1 27	5 0	20 24	1 51	14 32	1 32	13 32	0 59	11 7	1 3	5 0	2 35	12 19	0 25	19 13	0 6	12 8	17 4	23 33	23 33	9 55	9 9	0 23
F 14	20 15	4s31	5 13	19 52	1 47	14 6	1 31	13 15	0 59	11 9	1 2	5 0	2 35	12 19	0 25	19 14	0 6	12 7	17 4	23 33	23 33	9 52	9 9	0 23
S 15	20 2	10 5	5 7	19 18	1 43	13 39	1 30	12 58	0 58	11 11	1 2	5 0	2 35	12 20	0 25	19 14	0 6	12 6	17 3	23 33	23 33	9 50	9 10	0 22
S 16	19 49	14 59	4 42	18 44	1 37	13 12	1 29	12 41	0 58	11 13	1 2	5 0	2 35	12 20	0 25	19 14	0 6	12 6	17 3	23 33	23 33	9 47	9 10	0 22
M17	19 35	18 59	4 3	18 7	1 31	12 45	1 28	12 24	0 57	11 15	1 1	5 0	2 36	12 20	0 25	19 15	0 6	12 5	17 3	23 33	23 33	9 44	9 10	0 22
T 18	19 20	21 55	3 12	17 29	1 24	12 17	1 27	12 7	0 57	11 17	1 1	5 0	2 36	12 20	0 25	19 15	0 6	12 5	17 2	23 33	23 33	9 42	9 11	0 22
W19	19 6	23 41	2 13	16 50	1 17	11 49	1 25	11 50	0 56	11 19	1 1	5 0	2 36	12 21	0 25	19 16	0 6	12 4	17 2	23 33	23 33	9 39	9 11	0 22
T 20	18 51	24 14	1 9	16 10	1 9	11 21	1 24	11 33	0 56	11 22	1 1	5 0	2 36	12 21	0 25	19 16	0 6	12 4	17 2	23 33	23 33	9 36	9 11	0 22
F 21	18 36	23 35	0 2	15 29	1 0	10 52	1 23	11 15	0 55	11 24	1 0	5 0	2 37	12 21	0 25	19 17	0 6	12 3	17 1	23 33	23 33	9 33	9 12	0 22
S 22	18 20	21 50	1n 3	14 47	0 50	10 23	1 21	10 58	0 54	11 26	1 0	4 59	2 37	12 22	0 25	19 17	0 6	12 2	17 1	23 33	23 33	9 31	9 12	0 22
S 23	18 4	19 7	2 5	14 4	0 40	9 54	1 20	10 40	0 54	11 29	1 0	4 59	2 37	12 22	0 25	19 17	0 6	12 2	17 1	23 33	23 33	9 28	9 13	0 22
M24	17 48	15 38	3 1	13 21	0 29	9 25	1 18	10 22	0 53	11 31	0 59	4 59	2 37	12 22	0 25	19 18	0 6	12 1	17 0	23 33	23 33	9 25	9 13	0 22
T 25	17 31	11 33	3 49	12 37	0 17	8 55	1 16	10 5	0 53	11 34	0 59	4 58	2 38	12 23	0 25	19 18	0 6	12 1	17 0	23 33	23 33	9 23	9 14	0 21
W26	17 14	7 2	4 27	11 54	0 4	8 25	1 14	9 47	0 52	11 36	0 59	4 58	2 38	12 23	0 25	19 19	0 6	12 0	17 0	23 33	23 33	9 20	9 15	0 21
T 27	16 57	2 17	4 53	11 12	0n 9	7 55	1 13	9 29	0 52	11 39	0 59	4 58	2 38	12 23	0 25	19 19	0 6	11 59	16 59	23 33	23 33	9 17	9 15	0 21
F 28	16 40	2n34	5 7	10 30	0 23	7 25	1 11	9 11	0 51	11 42	0 58	4 57	2 39	12 24	0 25	19 19	0 6	11 59	16 59	23 33	23 33	9 15	9 16	0 21
S 29	16 22	7 21	5 7	9 50	0 38	6 55	1 9	8 53	0 51	11 45	0 58	4 57	2 39	12 24	0 25	19 20	0 6	11 58	16 59	23 33	23 33	9 12	9 16	0 21
S 30	16 4	11 54	4 54	9 11	0 53	6 24	1 7	8 34	0 50	11 47	0 58	4 56	2 39	12 25	0 25	19 20	0 6	11 58	16 59	23 33	23 33	9 9	9 17	0 21
M31	15s46	16n 4	4n27	8s34	1n 8	5s53	1s 4	8s16	0s49	11n50	0s58	4s55	2n39	12n25	0s25	19n21	0n 6	11s57	16s58	23s33	23s33	9s 7	9n18	0n21

Julian Day Number = 2122467.5, Delta T = 17m46s
Ecliptic obliquity = 23°33'22, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°10'47, Lahiri = 11°17'47 Julian Calendar 1 Jan. 1099 == Greg. Calendar 7 Jan. 1099

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1099
geocentric

FEBRUARY 1099 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 6 45	18♒11'24	13♉38	6♓10	18♓53	11♓41	3♉37	18°R44	3♉43	4°R24	9♈ 7	0°D42	29♐28	25♒29	23♈ 0	T 1
W 2	9 10 42	19°11'50	26°31	6°55	20° 7	12°28	3°45	18♎42	3°44	4♌22	9° 8	0♑42	29°25	25°36	23° 2	W 2
T 3	9 14 38	20°12'14	9♊48	7°32	21°20	13°14	3°53	18°41	3°46	4°20	9° 9	0°43	29°22	25°43	23° 4	T 3
F 4	9 18 35	21°12'37	23°32	7°59	22°33	14° 0	4° 1	18°40	3°47	4°19	9°10	0°R44	29°18	25°49	23° 6	F 4
S 5	9 22 31	22°12'57	7♋44	8°17	23°47	14°47	4°10	18°38	3°49	4°17	9°11	0°44	29°15	25°56	23° 8	S 5
S 6	9 26 28	23°13'15	22°22	8°R25	25° 0	15°33	4°18	18°37	3°50	4°16	9°12	0°42	29°12	26° 3	23°11	S 6
M 7	9 30 25	24°13'31	7♌24	8°23	26°13	16°19	4°27	18°35	3°52	4°14	9°13	0°38	29° 9	26° 9	23°13	M 7
T 8	9 34 21	25°13'46	22°40	8°11	27°26	17° 5	4°36	18°33	3°54	4°12	9°15	0°32	29° 6	26°16	23°15	T 8
W 9	9 38 18	26°13'58	8♍ 1	7°50	28°39	17°51	4°45	18°32	3°55	4°11	9°16	0°23	29° 3	26°23	23°18	W 9
T 10	9 42 14	27°14'09	23°14	7°20	29°52	18°37	4°54	18°30	3°57	4° 9	9°17	0°14	28°59	26°29	23°20	T 10
F 11	9 46 11	28°14'17	8♎10	6°42	1♈ 5	19°24	5° 3	18°28	3°59	4° 8	9°18	0° 6	28°56	26°36	23°23	F 11
S 12	9 50 7	29°14'25	22°40	5°58	2°18	20°10	5°12	18°25	4° 1	4° 6	9°19	29♐59	28°53	26°43	23°25	S 12
S 13	9 54 4	0♓14'30	6♏42	5° 7	3°31	20°56	5°22	18°23	4° 3	4° 5	9°20	29°54	28°50	26°50	23°28	S 13
M14	9 58 0	1°14'35	20°13	4°12	4°43	21°41	5°31	18°21	4° 5	4° 3	9°21	29°52	28°47	26°56	23°31	M14
T 15	10 1 57	2°14'37	3♐17	3°13	5°56	22°27	5°41	18°19	4° 7	4° 2	9°22	29°D51	28°44	27° 3	23°33	T 15
W16	10 5 54	3°14'38	15°58	2°13	7° 8	23°13	5°51	18°16	4° 9	4° 0	9°23	29°52	28°40	27°10	23°36	W16
T 17	10 9 50	4°14'37	28°19	1°12	8°21	23°59	6° 0	18°13	4°11	3°59	9°25	29°R52	28°37	27°16	23°39	T 17
F 18	10 13 47	5°14'35	10♑27	0°12	9°33	24°45	6°10	18°11	4°13	3°58	9°26	29°52	28°34	27°23	23°42	F 18
S 19	10 17 43	6°14'31	22°24	29♒15	10°46	25°31	6°21	18° 8	4°15	3°56	9°27	29°49	28°31	27°30	23°45	S 19
S 20	10 21 40	7°14'25	4♒17	28°21	11°58	26°16	6°31	18° 5	4°17	3°55	9°28	29°44	28°28	27°36	23°47	S 20
M21	10 25 36	8°14'17	16° 6	27°31	13°10	27° 2	6°41	18° 2	4°19	3°54	9°30	29°36	28°24	27°43	23°50	M21
T 22	10 29 33	9°14'07	27°56	26°46	14°22	27°48	6°52	17°59	4°22	3°52	9°31	29°25	28°21	27°50	23°53	T 22
W23	10 33 29	10°13'55	9♓48	26° 7	15°34	28°33	7° 2	17°56	4°24	3°51	9°32	29°12	28°18	27°57	23°56	W23
T 24	10 37 26	11°13'41	21°43	25°34	16°46	29°19	7°13	17°53	4°26	3°50	9°33	28°59	28°15	28° 3	23°59	T 24
F 25	10 41 22	12°13'26	3♈43	25° 7	17°58	0♈ 4	7°24	17°50	4°29	3°48	9°35	28°45	28°12	28°10	24° 2	F 25
S 26	10 45 19	13°13'07	15°49	24°46	19°10	0°50	7°34	17°47	4°31	3°47	9°36	28°33	28° 9	28°17	24° 6	S 26
S 27	10 49 16	14°12'47	28° 3	24°31	20°22	1°35	7°45	17°43	4°34	3°46	9°37	28°23	28° 5	28°23	24° 9	S 27
M28	10 53 12	15♓12'25	10♉26	24♒23	21♈33	2♈20	7♉56	17♎40	4♉36	3♌45	9♈38	28♐15	28♐ 2	28♒30	24♈12	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s27	19n36	3n46	8s 0	1n24	5s22	1s 2	7s58	0s49	11n53	0s57	4s55	2n40	12n26	0s25	19n21	0n 6	11s56	16s58	23s33	23s33	9s 4	9n18	0n21
W 2	15 8	22 17	2 54	7 29	1 39	4 51	1 0	7 40	0 48	11 56	0 57	4 54	2 40	12 26	0 25	19 21	0 6	11 56	16 58	23 33	23 33	9 1	9 19	0 21
T 3	14 49	23 51	1 50	7 0	1 55	4 20	0 58	7 21	0 48	11 59	0 57	4 53	2 40	12 27	0 25	19 22	0 6	11 55	16 57	23 33	23 33	8 59	9 20	0 21
F 4	14 30	24 3	0 39	6 36	2 10	3 49	0 55	7 3	0 47	12 2	0 57	4 53	2 40	12 27	0 25	19 22	0 6	11 54	16 57	23 33	23 33	8 56	9 20	0 21
S 5	14 10	22 42	0s38	6 16	2 25	3 17	0 53	6 44	0 46	12 5	0 56	4 52	2 41	12 28	0 25	19 23	0 6	11 54	16 57	23 33	23 33	8 53	9 21	0 20
S 6	13 51	19 49	1 54	5 59	2 39	2 46	0 50	6 26	0 46	12 8	0 56	4 51	2 41	12 28	0 25	19 23	0 6	11 53	16 57	23 33	23 33	8 50	9 22	0 20
M 7	13 31	15 33	3 4	5 48	2 53	2 14	0 48	6 7	0 45	12 11	0 56	4 50	2 41	12 29	0 25	19 23	0 6	11 53	16 56	23 33	23 33	8 48	9 23	0 20
T 8	13 10	10 13	4 2	5 41	3 5	1 43	0 45	5 49	0 45	12 15	0 56	4 49	2 41	12 30	0 25	19 24	0 6	11 52	16 56	23 33	23 33	8 45	9 24	0 20
W 9	12 50	4 14	4 42	5 38	3 16	1 11	0 42	5 30	0 44	12 18	0 55	4 48	2 42	12 30	0 25	19 24	0 6	11 51	16 56	23 33	23 33	8 42	9 24	0 20
T 10	12 29	1s56	5 3	5 40	3 26	0 40	0 40	5 11	0 44	12 21	0 55	4 47	2 42	12 31	0 25	19 25	0 6	11 51	16 56	23 33	23 33	8 40	9 25	0 20
F 11	12 9	7 52	5 2	5 47	3 34	0 8	0 37	4 53	0 43	12 24	0 55	4 46	2 42	12 31	0 25	19 25	0 6	11 50	16 55	23 33	23 33	8 37	9 26	0 20
S 12	11 48	13 13	4 42	5 58	3 39	0n24	0 34	4 34	0 42	12 28	0 55	4 45	2 42	12 32	0 24	19 25	0 6	11 49	16 55	23 33	23 33	8 34	9 27	0 20
S 13	11 26	17 40	4 5	6 13	3 43	0 55	0 31	4 15	0 42	12 31	0 54	4 44	2 43	12 33	0 24	19 26	0 6	11 49	16 55	23 33	23 33	8 32	9 28	0 20
M14	11 5	21 1	3 15	6 31	3 45	1 27	0 28	3 56	0 41	12 34	0 54	4 43	2 43	12 33	0 24	19 26	0 6	11 48	16 55	23 33	23 33	8 29	9 29	0 20
T 15	10 44	23 9	2 17	6 53	3 45	1 59	0 25	3 38	0 40	12 38	0 54	4 42	2 43	12 34	0 24	19 26	0 6	11 47	16 54	23 33	23 33	8 26	9 30	0 20
W16	10 22	24 2	1 14	7 17	3 42	2 30	0 22	3 19	0 40	12 41	0 54	4 41	2 43	12 35	0 24	19 27	0 6	11 47	16 54	23 33	23 33	8 23	9 31	0 19
T 17	10 0	23 41	0 8	7 42	3 38	3 2	0 19	3 0	0 39	12 45	0 54	4 40	2 43	12 36	0 24	19 27	0 6	11 46	16 54	23 33	23 33	8 21	9 31	0 19
F 18	9 38	22 13	0n56	8 9	3 31	3 33	0 16	2 41	0 39	12 48	0 53	4 39	2 44	12 36	0 24	19 27	0 6	11 45	16 54	23 33	23 33	8 18	9 32	0 19
S 19	9 16	19 46	1 57	8 37	3 23	4 5	0 13	2 22	0 38	12 52	0 53	4 37	2 44	12 37	0 24	19 28	0 6	11 45	16 54	23 33	23 33	8 15	9 33	0 19
S 20	8 54	16 30	2 52	9 5	3 14	4 36	0 10	2 4	0 37	12 55	0 53	4 36	2 44	12 38	0 24	19 28	0 6	11 44	16 53	23 33	23 33	8 13	9 34	0 19
M21	8 31	12 36	3 40	9 32	3 3	5 7	0 7	1 45	0 37	12 59	0 53	4 35	2 44	12 39	0 24	19 28	0 6	11 43	16 53	23 33	23 33	8 10	9 35	0 19
T 22	8 9	8 13	4 17	9 59	2 51	5 39	0 3	1 26	0 36	13 3	0 52	4 33	2 44	12 39	0 24	19 29	0 6	11 43	16 53	23 33	23 33	8 7	9 36	0 19
W23	7 46	3 33	4 44	10 24	2 38	6 10	0n 0	1 7	0 35	13 6	0 52	4 32	2 45	12 40	0 24	19 29	0 6	11 42	16 53	23 33	23 33	8 4	9 37	0 19
T 24	7 23	1n16	4 58	10 48	2 24	6 40	0 3	0 48	0 35	13 10	0 52	4 31	2 45	12 41	0 24	19 29	0 6	11 42	16 53	23 33	23 33	8 2	9 38	0 19
F 25	7 0	6 4	5 0	11 11	2 10	7 11	0 7	0 30	0 34	13 14	0 52	4 29	2 45	12 42	0 24	19 30	0 6	11 41	16 52	23 33	23 33	7 59	9 40	0 19
S 26	6 38	10 40	4 47	11 31	1 55	7 42	0 10	0 11	0 34	13 17	0 52	4 28	2 45	12 43	0 24	19 30	0 6	11 40	16 52	23 33	23 33	7 56	9 41	0 19
S 27	6 15	14 54	4 22	11 50	1 41	8 12	0 14	0n 8	0 33	13 21	0 51	4 26	2 45	12 44	0 24	19 30	0 6	11 40	16 52	23 33	23 33	7 54	9 42	0 18
M28	5s51	18n34	3n44	12s 7	1n26	8n42	0n17	0n27	0s32	13n25	0s51	4s25	2n46	12n44	0s24	19n31	0n 6	11s39	16s52	23s33	23s32	7s51	9n43	0n18

Julian Day Number = 2122498.5, Delta T = 17m45s
Ecliptic obliquity = 23°33'22, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°10'51, Lahiri = 11°17'52 Julian Calendar 1 Feb. 1099 == Greg. Calendar 7 Feb. 1099

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1099
geocentric

MARCH 1099 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 57 9	16♓12'00	23♉ 2	24°D21	22♈45	3♈ 6	8♉ 8	17°R36	4♉39	3°R44	9♈40	28°R11	27♐59	28♒37	24♈15	T 1
W 2	11 1 5	17°11'33	5♊54	24♒25	23°56	3°51	8°19	17♎33	4°41	3♏43	9°41	28♐ 9	27°56	28°44	24°18	W 2
T 3	11 5 2	18°11'04	19° 5	24°34	25° 7	4°36	8°30	17°29	4°44	3°41	9°42	28°D 8	27°53	28°50	24°22	T 3
F 4	11 8 58	19°10'32	2♋39	24°49	26°19	5°21	8°41	17°25	4°47	3°40	9°44	28°R 8	27°50	28°57	24°25	F 4
S 5	11 12 55	20° 9'58	16°37	25° 9	27°30	6° 7	8°53	17°22	4°49	3°39	9°45	28° 8	27°46	29° 4	24°28	S 5
S 6	11 16 51	21° 9'22	1♌ 1	25°34	28°41	6°52	9° 5	17°18	4°52	3°38	9°46	28° 5	27°43	29°10	24°32	S 6
M 7	11 20 48	22° 8'43	15°48	26° 3	29°52	7°37	9°16	17°14	4°55	3°37	9°48	27°59	27°40	29°17	24°35	M 7
T 8	11 24 45	23° 8'02	0♍53	26°37	1♉ 3	8°22	9°28	17°10	4°57	3°36	9°49	27°51	27°37	29°24	24°38	T 8
W 9	11 28 41	24° 7'19	16° 7	27°15	2°13	9° 7	9°40	17° 6	5° 0	3°35	9°50	27°41	27°34	29°30	24°42	W 9
T 10	11 32 38	25° 6'33	1♎20	27°57	3°24	9°52	9°52	17° 2	5° 3	3°34	9°52	27°29	27°30	29°37	24°45	T 10
F 11	11 36 34	26° 5'45	16°19	28°42	4°34	10°36	10° 4	16°58	5° 6	3°33	9°53	27°18	27°27	29°44	24°49	F 11
S 12	11 40 31	27° 4'56	0♏57	29°31	5°45	11°21	10°16	16°54	5° 9	3°33	9°55	27° 9	27°24	29°51	24°52	S 12
S 13	11 44 27	28° 4'05	15° 7	0♓23	6°55	12° 6	10°28	16°50	5°12	3°32	9°56	27° 2	27°21	29°57	24°56	S 13
M14	11 48 24	29° 3'11	28°47	1°18	8° 5	12°51	10°40	16°45	5°15	3°31	9°57	26°57	27°18	0♓ 4	24°59	M14
T 15	11 52 20	0♈ 2'17	11♐57	2°17	9°15	13°35	10°52	16°41	5°18	3°30	9°59	26°55	27°15	0°11	25° 3	T 15
W16	11 56 17	1° 1'20	24°42	3°18	10°25	14°20	11° 5	16°37	5°21	3°29	10° 0	26°55	27°11	0°17	25° 7	W16
T 17	12 0 14	2° 0'21	7♑ 6	4°21	11°35	15° 4	11°17	16°32	5°24	3°29	10° 2	26°55	27° 8	0°24	25°10	T 17
F 18	12 4 10	2°59'21	19°13	5°27	12°44	15°49	11°30	16°28	5°27	3°28	10° 3	26°54	27° 5	0°31	25°14	F 18
S 19	12 8 7	3°58'19	1♒10	6°36	13°54	16°33	11°42	16°24	5°30	3°27	10° 4	26°51	27° 2	0°38	25°18	S 19
S 20	12 12 3	4°57'15	13° 0	7°47	15° 3	17°18	11°55	16°19	5°33	3°27	10° 6	26°46	26°59	0°44	25°21	S 20
M21	12 16 0	5°56'09	24°49	9° 0	16°13	18° 2	12° 7	16°15	5°36	3°26	10° 7	26°38	26°55	0°51	25°25	M21
T 22	12 19 56	6°55'01	6♓40	10°15	17°22	18°46	12°20	16°10	5°39	3°25	10° 9	26°28	26°52	0°58	25°29	T 22
W23	12 23 53	7°53'51	18°35	11°32	18°31	19°31	12°33	16° 6	5°42	3°25	10°10	26°15	26°49	1° 4	25°32	W23
T 24	12 27 49	8°52'39	0♈37	12°52	19°40	20°15	12°46	16° 1	5°45	3°24	10°11	26° 1	26°46	1°11	25°36	T 24
F 25	12 31 46	9°51'26	12°46	14°13	20°48	20°59	12°59	15°57	5°49	3°24	10°13	25°48	26°43	1°18	25°40	F 25
S 26	12 35 42	10°50'10	25° 4	15°36	21°57	21°43	13°12	15°52	5°52	3°23	10°14	25°35	26°40	1°24	25°44	S 26
S 27	12 39 39	11°48'52	7♉31	17° 1	23° 6	22°27	13°25	15°48	5°55	3°23	10°16	25°25	26°36	1°31	25°48	S 27
M28	12 43 36	12°47'33	20° 7	18°28	24°14	23°11	13°38	15°43	5°58	3°23	10°17	25°18	26°33	1°38	25°51	M28
T 29	12 47 32	13°46'11	2♊55	19°56	25°22	23°55	13°51	15°39	6° 2	3°22	10°18	25°13	26°30	1°45	25°55	T 29
W30	12 51 29	14°44'47	15°56	21°27	26°30	24°39	14° 4	15°34	6° 5	3°22	10°20	25°11	26°27	1°51	25°59	W30
T 31	12 55 25	15♈43'20	29♊12	22♓59	27♉38	25♈23	14♉17	15♎29	6♉ 8	3♏22	10♈21	25°D11	26♐24	1♓58	26♈ 3	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s28	21n26	2n54	12s21	1n11	9n12	0n20	0n45	0s32	13n29	0s51	4s23	2n46	12n45	0s24	19n31	0n 6	11s38	16s52	23s33	23s32	7s48	9n44	0n18
W 2	5 5	23 17	1 55	12 33	0 57	9 42	0 24	1 4	0 31	13 33	0 51	4 22	2 46	12 46	0 24	19 31	0 6	11 38	16 52	23 33	23 32	7 46	9 45	0 18
T 3	4 42	23 54	0 48	12 43	0 43	10 12	0 27	1 22	0 30	13 36	0 51	4 20	2 46	12 47	0 24	19 31	0 6	11 37	16 52	23 33	23 32	7 43	9 46	0 18
F 4	4 18	23 8	0s24	12 52	0 29	10 41	0 31	1 41	0 30	13 40	0 50	4 19	2 46	12 48	0 24	19 32	0 6	11 36	16 51	23 33	23 32	7 40	9 47	0 18
S 5	3 55	20 56	1 36	12 58	0 15	11 10	0 34	2 0	0 29	13 44	0 50	4 17	2 46	12 49	0 24	19 32	0 6	11 36	16 51	23 33	23 32	7 37	9 48	0 18
S 6	3 31	17 21	2 44	13 1	0 2	11 39	0 38	2 18	0 28	13 48	0 50	4 16	2 47	12 50	0 24	19 32	0 6	11 35	16 51	23 33	23 32	7 35	9 50	0 18
M 7	3 8	12 37	3 43	13 3	0s10	12 8	0 42	2 37	0 28	13 52	0 50	4 14	2 47	12 51	0 24	19 32	0 6	11 35	16 51	23 32	23 32	7 32	9 51	0 18
T 8	2 44	7 2	4 28	13 3	0 22	12 36	0 45	2 55	0 27	13 56	0 50	4 12	2 47	12 52	0 24	19 33	0 6	11 34	16 51	23 32	23 32	7 29	9 52	0 18
W 9	2 21	0 59	4 54	13 1	0 34	13 4	0 49	3 13	0 27	14 0	0 50	4 11	2 47	12 53	0 24	19 33	0 6	11 33	16 51	23 32	23 32	7 27	9 53	0 18
T 10	1 57	5s 6	5 0	12 57	0 45	13 32	0 52	3 32	0 26	14 4	0 49	4 9	2 47	12 54	0 24	19 33	0 6	11 33	16 51	23 32	23 32	7 24	9 54	0 18
F 11	1 34	10 49	4 44	12 51	0 55	13 59	0 56	3 50	0 25	14 8	0 49	4 7	2 47	12 55	0 24	19 33	0 6	11 32	16 51	23 32	23 32	7 21	9 56	0 17
S 12	1 10	15 46	4 10	12 43	1 5	14 26	0 59	4 8	0 25	14 12	0 49	4 6	2 47	12 56	0 24	19 34	0 6	11 31	16 51	23 32	23 32	7 18	9 57	0 17
S 13	0 46	19 39	3 22	12 33	1 15	14 53	1 3	4 26	0 24	14 16	0 49	4 4	2 47	12 57	0 24	19 34	0 6	11 31	16 50	23 31	23 32	7 16	9 58	0 17
M14	0 23	22 18	2 23	12 22	1 24	15 19	1 7	4 44	0 23	14 20	0 49	4 2	2 48	12 58	0 24	19 34	0 6	11 30	16 50	23 31	23 32	7 13	9 59	0 17
T 15	0n 1	23 38	1 18	12 9	1 32	15 45	1 10	5 2	0 23	14 24	0 49	4 1	2 48	12 59	0 24	19 34	0 6	11 30	16 50	23 31	23 32	7 10	10 1	0 17
W16	0 25	23 39	0 12	11 54	1 40	16 11	1 14	5 20	0 22	14 28	0 48	3 59	2 48	13 0	0 24	19 34	0 6	11 29	16 50	23 31	23 32	7 8	10 2	0 17
T 17	0 48	22 28	0n54	11 38	1 47	16 36	1 17	5 38	0 21	14 32	0 48	3 57	2 48	13 1	0 24	19 34	0 6	11 28	16 50	23 31	23 31	7 5	10 3	0 17
F 18	1 12	20 16	1 55	11 19	1 54	17 1	1 21	5 56	0 21	14 36	0 48	3 55	2 48	13 2	0 24	19 35	0 6	11 28	16 50	23 31	23 31	7 2	10 4	0 17
S 19	1 35	17 13	2 50	11 0	2 0	17 26	1 24	6 14	0 20	14 40	0 48	3 54	2 48	13 3	0 24	19 35	0 6	11 27	16 50	23 31	23 31	6 59	10 6	0 17
S 20	1 59	13 31	3 38	10 38	2 6	17 50	1 28	6 31	0 19	14 44	0 48	3 52	2 48	13 4	0 24	19 35	0 6	11 27	16 50	23 31	23 31	6 57	10 7	0 17
M21	2 22	9 17	4 16	10 16	2 11	18 13	1 31	6 49	0 19	14 48	0 48	3 50	2 48	13 5	0 24	19 35	0 6	11 26	16 50	23 31	23 31	6 54	10 8	0 17
T 22	2 46	4 44	4 43	9 51	2 16	18 37	1 35	7 7	0 18	14 52	0 47	3 48	2 48	13 6	0 24	19 35	0 6	11 26	16 50	23 31	23 31	6 51	10 9	0 17
W23	3 9	0n 2	4 58	9 26	2 20	18 59	1 38	7 24	0 17	14 56	0 47	3 47	2 48	13 7	0 24	19 35	0 6	11 25	16 50	23 30	23 31	6 49	10 11	0 17
T 24	3 32	4 49	4 59	8 58	2 24	19 22	1 41	7 41	0 17	15 0	0 47	3 45	2 48	13 8	0 24	19 36	0 6	11 24	16 50	23 30	23 31	6 46	10 12	0 16
F 25	3 55	9 28	4 47	8 30	2 27	19 44	1 45	7 59	0 16	15 4	0 47	3 43	2 48	13 9	0 24	19 36	0 6	11 24	16 50	23 29	23 31	6 43	10 13	0 16
S 26	4 19	13 48	4 22	8 0	2 29	20 5	1 48	8 16	0 16	15 8	0 47	3 41	2 48	13 10	0 24	19 36	0 6	11 23	16 50	23 29	23 31	6 40	10 15	0 16
S 27	4 42	17 37	3 44	7 28	2 31	20 26	1 51	8 33	0 15	15 12	0 47	3 39	2 48	13 11	0 24	19 36	0 6	11 23	16 50	23 29	23 31	6 38	10 16	0 16
M28	5 5	20 39	2 54	6 55	2 33	20 46	1 55	8 50	0 14	15 16	0 46	3 38	2 48	13 12	0 24	19 36	0 6	11 22	16 50	23 28	23 31	6 35	10 17	0 16
T 29	5 28	22 44	1 55	6 21	2 34	21 6	1 58	9 7	0 14	15 20	0 46	3 36	2 48	13 14	0 24	19 36	0 6	11 22	16 50	23 28	23 31	6 32	10 19	0 16
W30	5 50	23 37	0 49	5 46	2 34	21 26	2 1	9 24	0 13	15 24	0 46	3 34	2 48	13 15	0 24	19 36	0 6	11 21	16 50	23 28	23 30	6 30	10 20	0 16
T 31	6n13	23n12	0s21	5s 9	2s34	21n44	2n 4	9n40	0s12	15n28	0s46	3s32	2n48	13n16	0s24	19n36	0n 6	11s21	16s50	23s28	23s30	6s27	10n21	0n16

Julian Day Number = 2122526.5, Delta T = 17m45s
Ecliptic obliquity = 23°33'22, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°10'55, Lahiri = 11°17'56 Julian Calendar 1 March 1099 == Greg. Calendar 7 March 1099

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1099
geocentric

APRIL 1099 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 59 22	16♈41'52	12♋44	24♓33	28♉45	26♈ 7	14♉30	15°R25	6♉12	3°R21	10♈23	25°R11	26♐21	2♓ 5	26♈ 7	F 1
S 2	13 3 18	17°40'21	26°36	26° 8	29°53	26°51	14°44	15♎20	6°15	3♏21	10°24	25♐11	26°17	2°11	26°11	S 2
S 3	13 7 15	18°38'48	10♌46	27°46	1♊ 0	27°34	14°57	15°16	6°18	3°21	10°26	25° 9	26°14	2°18	26°14	S 3
M 4	13 11 11	19°37'13	25°16	29°25	2° 7	28°18	15°10	15°11	6°22	3°21	10°27	25° 5	26°11	2°25	26°18	M 4
T 5	13 15 8	20°35'35	10♍ 0	1♈ 5	3°14	29° 2	15°24	15° 7	6°25	3°21	10°28	24°58	26° 8	2°32	26°22	T 5
W 6	13 19 5	21°33'56	24°53	2°48	4°21	29°45	15°37	15° 2	6°28	3°21	10°30	24°50	26° 5	2°38	26°26	W 6
T 7	13 23 1	22°32'14	9♎46	4°32	5°28	0♉29	15°51	14°58	6°32	3°21	10°31	24°41	26° 1	2°45	26°30	T 7
F 8	13 26 58	23°30'31	24°32	6°18	6°34	1°12	16° 4	14°53	6°35	3°D21	10°32	24°31	25°58	2°52	26°34	F 8
S 9	13 30 54	24°28'45	9♏ 1	8° 5	7°40	1°56	16°18	14°49	6°39	3°21	10°34	24°23	25°55	2°58	26°38	S 9
S 10	13 34 51	25°26'58	23° 7	9°55	8°46	2°39	16°31	14°44	6°42	3°21	10°35	24°17	25°52	3° 5	26°42	S 10
M11	13 38 47	26°25'10	6♐47	11°46	9°52	3°22	16°45	14°40	6°45	3°21	10°37	24°14	25°49	3°12	26°45	M11
T 12	13 42 44	27°23'20	20° 1	13°39	10°57	4° 5	16°58	14°35	6°49	3°21	10°38	24°D12	25°46	3°19	26°49	T 12
W13	13 46 40	28°21'28	2♑50	15°33	12° 3	4°49	17°12	14°31	6°52	3°21	10°39	24°12	25°42	3°25	26°53	W13
T 14	13 50 37	29°19'35	15°18	17°30	13° 8	5°32	17°26	14°26	6°56	3°21	10°41	24°13	25°39	3°32	26°57	T 14
F 15	13 54 34	0♉17'40	27°29	19°28	14°13	6°15	17°40	14°22	6°59	3°21	10°42	24°R14	25°36	3°39	27° 1	F 15
S 16	13 58 30	1°15'44	9♒28	21°27	15°17	6°58	17°53	14°18	7° 3	3°22	10°43	24°14	25°33	3°45	27° 5	S 16
S 17	14 2 27	2°13'46	21°20	23°29	16°22	7°41	18° 7	14°14	7° 6	3°22	10°45	24°12	25°30	3°52	27° 9	S 17
M18	14 6 23	3°11'47	3♓11	25°32	17°26	8°24	18°21	14° 9	7°10	3°22	10°46	24° 8	25°27	3°59	27°13	M18
T 19	14 10 20	4° 9'47	15° 5	27°36	18°30	9° 7	18°35	14° 5	7°13	3°23	10°47	24° 1	25°23	4° 6	27°17	T 19
W20	14 14 16	5° 7'45	27° 4	29°42	19°33	9°50	18°49	14° 1	7°17	3°23	10°49	23°54	25°20	4°12	27°20	W20
T 21	14 18 13	6° 5'42	9♈12	1♉49	20°37	10°32	19° 3	13°57	7°20	3°23	10°50	23°45	25°17	4°19	27°24	T 21
F 22	14 22 9	7° 3'37	21°32	3°58	21°40	11°15	19°16	13°53	7°24	3°24	10°51	23°36	25°14	4°26	27°28	F 22
S 23	14 26 6	8° 1'31	4♉ 3	6° 7	22°42	11°58	19°30	13°49	7°27	3°24	10°53	23°28	25°11	4°32	27°32	S 23
S 24	14 30 3	8°59'23	16°46	8°17	23°45	12°40	19°44	13°45	7°31	3°25	10°54	23°22	25° 7	4°39	27°36	S 24
M25	14 33 59	9°57'14	29°42	10°28	24°47	13°23	19°58	13°41	7°34	3°25	10°55	23°17	25° 4	4°46	27°40	M25
T 26	14 37 56	10°55'03	12♊49	12°39	25°49	14° 6	20°12	13°37	7°37	3°26	10°56	23°15	25° 1	4°53	27°44	T 26
W27	14 41 52	11°52'51	26° 9	14°50	26°51	14°48	20°26	13°34	7°41	3°26	10°58	23°D15	24°58	4°59	27°47	W27
T 28	14 45 49	12°50'37	9♋40	17° 1	27°52	15°31	20°40	13°30	7°44	3°27	10°59	23°16	24°55	5° 6	27°51	T 28
F 29	14 49 45	13°48'21	23°24	19°11	28°53	16°13	20°54	13°26	7°48	3°28	11° 0	23°17	24°52	5°13	27°55	F 29
S 30	14 53 42	14♉46'04	7♌19	21♉21	29♊54	16♉55	21♉ 8	13♎23	7♉51	3♌28	11♈ 1	23♐18	24♐48	5♓19	27♈59	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6n36	21n25	1s32	4s31	2s33	22n 3	2n 7	9n57	0s12	15n32	0s46	3s31	2n48	13n17	0s23	19n36	0n 6	11s20	16s50	23s28	23s30	6s24	10n23	0n16
S 2	6 58	18 20	2 39	3 52	2 32	22 21	2 10	10 14	0 11	15 36	0 46	3 29	2 48	13 18	0 23	19 36	0 6	11 20	16 50	23 28	23 30	6 21	10 24	0 16
S 3	7 20	14 8	3 37	3 12	2 30	22 38	2 13	10 30	0 10	15 40	0 46	3 27	2 48	13 19	0 23	19 36	0 6	11 19	16 50	23 28	23 30	6 19	10 25	0 16
M 4	7 43	9 1	4 24	2 30	2 28	22 54	2 16	10 46	0 10	15 44	0 46	3 25	2 48	13 20	0 23	19 36	0 7	11 19	16 50	23 28	23 30	6 16	10 27	0 16
T 5	8 5	3 20	4 53	1 47	2 25	23 11	2 19	11 2	0 9	15 48	0 45	3 24	2 48	13 21	0 23	19 36	0 7	11 18	16 50	23 28	23 30	6 13	10 28	0 16
W 6	8 27	2s35	5 3	1 3	2 22	23 26	2 22	11 18	0 8	15 52	0 45	3 22	2 48	13 22	0 23	19 37	0 7	11 18	16 50	23 27	23 30	6 11	10 29	0 15
T 7	8 49	8 22	4 53	0 18	2 18	23 41	2 24	11 34	0 8	15 57	0 45	3 20	2 48	13 24	0 23	19 37	0 7	11 17	16 50	23 27	23 30	6 8	10 31	0 15
F 8	9 10	13 37	4 23	0n28	2 14	23 55	2 27	11 50	0 7	16 1	0 45	3 18	2 48	13 25	0 23	19 37	0 7	11 17	16 50	23 27	23 30	6 5	10 32	0 15
S 9	9 32	17 59	3 37	1 15	2 9	24 9	2 30	12 6	0 7	16 5	0 45	3 17	2 48	13 26	0 23	19 37	0 7	11 16	16 50	23 26	23 30	6 2	10 33	0 15
S 10	9 53	21 11	2 38	2 3	2 4	24 22	2 32	12 21	0 6	16 9	0 45	3 15	2 48	13 27	0 23	19 37	0 7	11 16	16 50	23 26	23 29	6 0	10 35	0 15
M11	10 15	23 3	1 32	2 52	1 58	24 35	2 34	12 37	0 5	16 13	0 45	3 13	2 48	13 28	0 23	19 37	0 7	11 15	16 51	23 26	23 29	5 57	10 36	0 15
T 12	10 36	23 33	0 22	3 42	1 51	24 47	2 37	12 52	0 5	16 17	0 44	3 12	2 48	13 29	0 23	19 37	0 7	11 15	16 51	23 26	23 29	5 54	10 37	0 15
W13	10 57	22 45	0n46	4 33	1 44	24 58	2 39	13 7	0 4	16 21	0 44	3 10	2 48	13 30	0 23	19 36	0 7	11 14	16 51	23 26	23 29	5 52	10 39	0 15
T 14	11 17	20 51	1 51	5 24	1 37	25 9	2 41	13 23	0 3	16 25	0 44	3 8	2 48	13 32	0 23	19 36	0 7	11 14	16 51	23 26	23 29	5 49	10 40	0 15
F 15	11 38	18 1	2 49	6 17	1 29	25 19	2 43	13 38	0 3	16 29	0 44	3 7	2 48	13 33	0 23	19 36	0 7	11 14	16 51	23 26	23 29	5 46	10 41	0 15
S 16	11 58	14 28	3 38	7 9	1 21	25 29	2 45	13 52	0 2	16 33	0 44	3 5	2 48	13 34	0 23	19 36	0 7	11 13	16 51	23 26	23 29	5 43	10 43	0 15
S 17	12 18	10 23	4 18	8 3	1 12	25 38	2 47	14 7	0 1	16 36	0 44	3 4	2 48	13 35	0 23	19 36	0 7	11 13	16 51	23 26	23 29	5 41	10 44	0 15
M18	12 38	5 56	4 47	8 56	1 3	25 46	2 49	14 22	0 1	16 40	0 44	3 2	2 48	13 36	0 23	19 36	0 7	11 12	16 51	23 25	23 29	5 38	10 45	0 15
T 19	12 58	1 15	5 3	9 50	0 54	25 53	2 51	14 36	0 0	16 44	0 44	3 1	2 47	13 37	0 23	19 36	0 7	11 12	16 51	23 25	23 29	5 35	10 47	0 15
W20	13 18	3n30	5 6	10 44	0 44	26 0	2 52	14 50	0n 0	16 48	0 44	2 59	2 47	13 38	0 23	19 36	0 7	11 12	16 52	23 25	23 28	5 33	10 48	0 14
T 21	13 37	8 11	4 56	11 38	0 34	26 7	2 54	15 4	0 1	16 52	0 43	2 58	2 47	13 40	0 23	19 36	0 7	11 11	16 52	23 24	23 28	5 30	10 49	0 14
F 22	13 56	12 37	4 32	12 32	0 24	26 12	2 55	15 18	0 2	16 56	0 43	2 56	2 47	13 41	0 23	19 36	0 7	11 11	16 52	23 24	23 28	5 27	10 51	0 14
S 23	14 15	16 35	3 54	13 25	0 13	26 17	2 57	15 32	0 2	17 0	0 43	2 55	2 47	13 42	0 23	19 36	0 7	11 10	16 52	23 24	23 28	5 24	10 52	0 14
S 24	14 34	19 52	3 4	14 18	0 3	26 22	2 58	15 46	0 3	17 4	0 43	2 53	2 47	13 43	0 23	19 36	0 7	11 10	16 52	23 23	23 28	5 22	10 53	0 14
M25	14 52	22 12	2 4	15 9	0n 8	26 26	2 59	15 59	0 4	17 8	0 43	2 52	2 47	13 44	0 23	19 36	0 7	11 10	16 52	23 23	23 28	5 19	10 55	0 14
T 26	15 10	23 23	0 56	16 0	0 18	26 29	3 0	16 13	0 4	17 12	0 43	2 51	2 47	13 45	0 23	19 35	0 7	11 9	16 52	23 23	23 28	5 16	10 56	0 14
W27	15 28	23 14	0s16	16 49	0 29	26 32	3 1	16 26	0 5	17 15	0 43	2 49	2 46	13 46	0 23	19 35	0 7	11 9	16 53	23 23	23 28	5 14	10 57	0 14
T 28	15 46	21 44	1 28	17 37	0 39	26 33	3 1	16 39	0 5	17 19	0 43	2 48	2 46	13 48	0 23	19 35	0 7	11 9	16 53	23 23	23 27	5 11	10 59	0 14
F 29	16 4	18 57	2 36	18 24	0 49	26 35	3 2	16 52	0 6	17 23	0 43	2 47	2 46	13 49	0 23	19 35	0 7	11 9	16 53	23 23	23 27	5 8	11 0	0 14
S 30	16n21	15n 2	3s36	19n 8	0n59	26n36	3n 2	17n 5	0n 7	17n27	0s43	2s45	2n46	13n50	0s23	19n35	0n 7	11s 8	16s53	23s23	23s27	5s 5	11n 1	0n14

Julian Day Number = 2122557.5, Delta T = 17m45s
Ecliptic obliquity = 23°33'22, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°10'59, Lahiri = 11°18'00 Julian Calendar 1 Apr. 1099 == Greg. Calendar 7 Apr. 1099

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1099
geocentric

MAY 1099 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 57 38	15♉43'44	21♌26	23♉29	0♋54	17♉38	21♉22	13°R19	7♉55	3♌29	11♈ 3	23°R18	24♐45	5♓26	28♈ 2	S 1
M 2	15 1 35	16°41'24	5♍43	25°36	1°54	18°20	21°36	13♎16	7°58	3°30	11° 4	23♐17	24°42	5°33	28° 6	M 2
T 3	15 5 32	17°39'01	20° 7	27°42	2°53	19° 2	21°50	13°12	8° 2	3°31	11° 5	23°14	24°39	5°40	28°10	T 3
W 4	15 9 28	18°36'37	4♎35	29°46	3°52	19°44	22° 4	13° 9	8° 5	3°31	11° 6	23°10	24°36	5°46	28°14	W 4
T 5	15 13 25	19°34'12	19° 2	1♊48	4°51	20°26	22°18	13° 6	8° 9	3°32	11° 7	23° 5	24°32	5°53	28°17	T 5
F 6	15 17 21	20°31'45	3♏22	3°47	5°49	21° 8	22°32	13° 3	8°12	3°33	11° 8	23° 0	24°29	6° 0	28°21	F 6
S 7	15 21 18	21°29'17	17°28	5°45	6°47	21°50	22°46	13° 0	8°15	3°34	11° 9	22°56	24°26	6° 6	28°25	S 7
S 8	15 25 14	22°26'47	1♐18	7°40	7°44	22°32	23° 0	12°57	8°19	3°35	11°11	22°53	24°23	6°13	28°28	S 8
M 9	15 29 11	23°24'17	14°48	9°32	8°41	23°14	23°14	12°54	8°22	3°36	11°12	22°51	24°20	6°20	28°32	M 9
T 10	15 33 7	24°21'46	27°56	11°22	9°37	23°56	23°28	12°51	8°26	3°37	11°13	22°D51	24°17	6°27	28°36	T 10
W11	15 37 4	25°19'14	10♑43	13° 9	10°33	24°38	23°42	12°48	8°29	3°38	11°14	22°52	24°13	6°33	28°39	W11
T 12	15 41 1	26°16'41	23°11	14°53	11°29	25°20	23°56	12°45	8°32	3°39	11°15	22°54	24°10	6°40	28°43	T 12
F 13	15 44 57	27°14'07	5♒24	16°35	12°24	26° 1	24°10	12°43	8°36	3°40	11°16	22°55	24° 7	6°47	28°46	F 13
S 14	15 48 54	28°11'32	17°26	18°14	13°18	26°43	24°24	12°40	8°39	3°41	11°17	22°56	24° 4	6°53	28°50	S 14
S 15	15 52 50	29° 8'56	29°21	19°50	14°12	27°25	24°38	12°38	8°42	3°42	11°18	22°R57	24° 1	7° 0	28°53	S 15
M16	15 56 47	0♊ 6'20	11♓13	21°23	15° 5	28° 6	24°52	12°35	8°46	3°44	11°19	22°56	23°58	7° 7	28°57	M16
T 17	16 0 43	1° 3'43	23° 9	22°53	15°57	28°48	25° 6	12°33	8°49	3°45	11°20	22°55	23°54	7°14	29° 0	T 17
W18	16 4 40	2° 1'05	5♈11	24°20	16°49	29°29	25°20	12°31	8°52	3°46	11°21	22°53	23°51	7°20	29° 4	W18
T 19	16 8 36	2°58'27	17°24	25°44	17°41	0♊11	25°34	12°29	8°56	3°47	11°22	22°50	23°48	7°27	29° 7	T 19
F 20	16 12 33	3°55'48	29°51	27° 5	18°31	0°52	25°48	12°27	8°59	3°49	11°23	22°47	23°45	7°34	29°10	F 20
S 21	16 16 30	4°53'09	12♉33	28°24	19°21	1°33	26° 2	12°25	9° 2	3°50	11°24	22°44	23°42	7°40	29°14	S 21
S 22	16 20 26	5°50'29	25°32	29°39	20°11	2°15	26°16	12°23	9° 5	3°51	11°25	22°42	23°38	7°47	29°17	S 22
M23	16 24 23	6°47'48	8♊48	0♋51	20°59	2°56	26°30	12°21	9° 8	3°53	11°26	22°41	23°35	7°54	29°20	M23
T 24	16 28 19	7°45'07	22°19	1°59	21°47	3°37	26°44	12°20	9°12	3°54	11°27	22°D41	23°32	8° 1	29°24	T 24
W25	16 32 16	8°42'25	6♋ 4	3° 5	22°34	4°18	26°58	12°18	9°15	3°55	11°27	22°41	23°29	8° 7	29°27	W25
T 26	16 36 12	9°39'42	20° 0	4° 7	23°20	5° 0	27°12	12°17	9°18	3°57	11°28	22°42	23°26	8°14	29°30	T 26
F 27	16 40 9	10°36'58	4♌ 4	5° 6	24° 5	5°41	27°25	12°15	9°21	3°58	11°29	22°43	23°23	8°21	29°33	F 27
S 28	16 44 5	11°34'14	18°15	6° 1	24°49	6°22	27°39	12°14	9°24	4° 0	11°30	22°44	23°19	8°28	29°36	S 28
S 29	16 48 2	12°31'28	2♍29	6°53	25°33	7° 3	27°53	12°13	9°27	4° 1	11°31	22°44	23°16	8°34	29°40	S 29
M30	16 51 59	13°28'42	16°43	7°41	26°15	7°44	28° 7	12°12	9°30	4° 3	11°31	22°R44	23°13	8°41	29°43	M30
T 31	16 55 55	14♊25'55	0♎56	8♋25	26♋57	8♊24	28♉20	12♎11	9♉33	4♌ 4	11♈32	22♐44	23♐10	8♓48	29♈46	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n38	10n15	4s24	19n50	1n 8	26n36	3n 2	17n17	0n 7	17n31	0s42	2s44	2n46	13n51	0s23	19n35	0n 7	11s 8	16s53	23s23	23s27	5s 3	11n 2	0n14
M 2	16 54	4 52	4 57	20 30	1 17	26 35	3 3	17 30	0 8	17 34	0 42	2 43	2 46	13 52	0 23	19 35	0 7	11 8	16 54	23 23	23 27	5 0	11 4	0 14
T 3	17 11	0s49	5 11	21 8	1 25	26 34	3 3	17 42	0 9	17 38	0 42	2 42	2 46	13 53	0 23	19 34	0 7	11 7	16 54	23 23	23 27	4 57	11 5	0 14
W 4	17 27	6 29	5 5	21 43	1 33	26 32	3 3	17 54	0 9	17 42	0 42	2 41	2 45	13 54	0 23	19 34	0 7	11 7	16 54	23 23	23 27	4 55	11 6	0 13
T 5	17 43	11 48	4 40	22 16	1 40	26 30	3 2	18 6	0 10	17 45	0 42	2 40	2 45	13 55	0 23	19 34	0 7	11 7	16 54	23 22	23 27	4 52	11 8	0 13
F 6	17 58	16 25	3 58	22 46	1 47	26 27	3 2	18 18	0 10	17 49	0 42	2 39	2 45	13 57	0 23	19 34	0 7	11 7	16 54	23 22	23 26	4 49	11 9	0 13
S 7	18 13	20 1	3 1	23 13	1 53	26 24	3 1	18 29	0 11	17 53	0 42	2 38	2 45	13 58	0 23	19 34	0 7	11 6	16 55	23 22	23 26	4 46	11 10	0 13
S 8	18 28	22 24	1 55	23 38	1 58	26 20	3 1	18 41	0 12	17 56	0 42	2 37	2 45	13 59	0 23	19 33	0 7	11 6	16 55	23 22	23 26	4 44	11 11	0 13
M 9	18 43	23 25	0 44	24 0	2 2	26 15	3 0	18 52	0 12	18 0	0 42	2 36	2 44	14 0	0 23	19 33	0 7	11 6	16 55	23 22	23 26	4 41	11 13	0 13
T 10	18 57	23 5	0n28	24 20	2 6	26 10	2 59	19 3	0 13	18 4	0 42	2 35	2 44	14 1	0 23	19 33	0 7	11 6	16 55	23 22	23 26	4 38	11 14	0 13
W11	19 11	21 31	1 36	24 37	2 9	26 5	2 57	19 14	0 13	18 7	0 42	2 34	2 44	14 2	0 23	19 33	0 7	11 6	16 55	23 22	23 26	4 36	11 15	0 13
T 12	19 25	18 57	2 39	24 52	2 11	25 59	2 56	19 25	0 14	18 11	0 42	2 33	2 44	14 3	0 23	19 32	0 7	11 5	16 56	23 22	23 26	4 33	11 16	0 13
F 13	19 38	15 34	3 33	25 4	2 12	25 52	2 54	19 35	0 15	18 14	0 41	2 32	2 44	14 4	0 23	19 32	0 7	11 5	16 56	23 22	23 25	4 30	11 17	0 13
S 14	19 51	11 37	4 16	25 14	2 13	25 45	2 53	19 46	0 15	18 18	0 41	2 31	2 43	14 5	0 23	19 32	0 7	11 5	16 56	23 22	23 25	4 27	11 19	0 13
S 15	20 4	7 15	4 48	25 22	2 13	25 37	2 51	19 56	0 16	18 21	0 41	2 31	2 43	14 6	0 23	19 32	0 7	11 5	16 56	23 22	23 25	4 25	11 20	0 13
M16	20 16	2 39	5 8	25 28	2 12	25 29	2 49	20 6	0 16	18 25	0 41	2 30	2 43	14 7	0 23	19 31	0 7	11 5	16 57	23 22	23 25	4 22	11 21	0 13
T 17	20 28	2n 5	5 14	25 32	2 10	25 21	2 46	20 16	0 17	18 28	0 41	2 29	2 43	14 9	0 23	19 31	0 7	11 5	16 57	23 22	23 25	4 19	11 22	0 13
W18	20 40	6 46	5 7	25 33	2 7	25 12	2 44	20 26	0 18	18 32	0 41	2 28	2 43	14 10	0 23	19 31	0 7	11 4	16 57	23 22	23 25	4 17	11 23	0 12
T 19	20 51	11 16	4 46	25 33	2 4	25 3	2 41	20 35	0 18	18 35	0 41	2 28	2 42	14 11	0 23	19 31	0 7	11 4	16 58	23 22	23 25	4 14	11 24	0 12
F 20	21 2	15 23	4 11	25 31	2 0	24 53	2 38	20 44	0 19	18 38	0 41	2 27	2 42	14 12	0 23	19 30	0 7	11 4	16 58	23 21	23 24	4 11	11 26	0 12
S 21	21 13	18 54	3 24	25 28	1 55	24 43	2 35	20 53	0 19	18 42	0 41	2 27	2 42	14 13	0 23	19 30	0 7	11 4	16 58	23 21	23 24	4 8	11 27	0 12
S 22	21 23	21 34	2 24	25 23	1 50	24 32	2 32	21 2	0 20	18 45	0 41	2 26	2 42	14 14	0 23	19 30	0 7	11 4	16 58	23 21	23 24	4 6	11 28	0 12
M23	21 33	23 7	1 16	25 16	1 43	24 21	2 28	21 11	0 21	18 48	0 41	2 26	2 41	14 15	0 23	19 29	0 7	11 4	16 59	23 21	23 24	4 3	11 29	0 12
T 24	21 43	23 22	0 2	25 9	1 36	24 10	2 24	21 19	0 21	18 52	0 41	2 25	2 41	14 16	0 23	19 29	0 7	11 4	16 59	23 21	23 24	4 0	11 30	0 12
W25	21 52	22 12	1s13	25 0	1 29	23 58	2 20	21 28	0 22	18 55	0 41	2 25	2 41	14 17	0 23	19 29	0 7	11 4	16 59	23 21	23 24	3 58	11 31	0 12
T 26	22 0	19 40	2 25	24 49	1 20	23 46	2 16	21 36	0 22	18 58	0 41	2 25	2 41	14 18	0 23	19 28	0 7	11 4	16 59	23 21	23 24	3 55	11 32	0 12
F 27	22 9	15 56	3 29	24 38	1 11	23 34	2 12	21 44	0 23	19 1	0 40	2 24	2 40	14 19	0 23	19 28	0 7	11 4	17 0	23 21	23 23	3 52	11 33	0 12
S 28	22 17	11 17	4 21	24 26	1 1	23 21	2 7	21 52	0 23	19 5	0 40	2 24	2 40	14 20	0 23	19 28	0 7	11 4	17 0	23 21	23 23	3 49	11 34	0 12
S 29	22 24	6 1	4 57	24 13	0 51	23 8	2 2	21 59	0 24	19 8	0 40	2 24	2 40	14 21	0 23	19 27	0 7	11 4	17 0	23 21	23 23	3 47	11 35	0 12
M30	22 32	0 26	5 15	23 59	0 39	22 55	1 57	22 6	0 25	19 11	0 40	2 24	2 40	14 22	0 23	19 27	0 7	11 4	17 1	23 21	23 23	3 44	11 36	0 12
T 31	22n39	5s 9	5s13	23n45	0n28	22n41	1n51	22n14	0n25	19n14	0s40	2s23	2n39	14n23	0s23	19n27	0n 7	11s 4	17s 1	23s21	23s23	3s41	11n37	0n12

Julian Day Number = 2122587.5, Delta T = 17m44s
Ecliptic obliquity = 23°33'21, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°11'03, Lahiri = 11°18'04 Julian Calendar 1 May 1099 == Greg. Calendar 7 May 1099

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1099
geocentric

JUNE 1099 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 59 52	15♊23'07	15♎ 4	9♋ 6	27♋37	9♊ 5	28♉34	12°R10	9♉36	4♌ 6	11♈33	22°R43	23♐ 7	8♓54	29♈49	W 1
T 2	17 3 48	16°20'18	29° 6	9°42	28°16	9°46	28°48	12♎ 9	9°39	4° 8	11°34	22♐43	23° 4	9° 1	29°52	T 2
F 3	17 7 45	17°17'29	12♏57	10°14	28°55	10°27	29° 1	12° 8	9°42	4° 9	11°34	22°42	23° 0	9° 8	29°55	F 3
S 4	17 11 41	18°14'40	26°37	10°42	29°31	11° 7	29°15	12° 8	9°45	4°11	11°35	22°41	22°57	9°15	29°57	S 4
S 5	17 15 38	19°11'50	10♐ 2	11° 6	0♌ 7	11°48	29°28	12° 7	9°48	4°13	11°36	22°41	22°54	9°21	0♉ 0	S 5
M 6	17 19 34	20° 8'59	23°13	11°25	0°42	12°29	29°42	12° 7	9°51	4°14	11°36	22°D41	22°51	9°28	0° 3	M 6
T 7	17 23 31	21° 6'09	6♑ 7	11°40	1°15	13° 9	29°56	12° 6	9°53	4°16	11°37	22°41	22°48	9°35	0° 6	T 7
W 8	17 27 28	22° 3'18	18°45	11°50	1°47	13°50	0♊ 9	12° 6	9°56	4°18	11°38	22°41	22°44	9°41	0° 9	W 8
T 9	17 31 24	23° 0'27	1♒ 9	11°56	2°17	14°30	0°22	12° 6	9°59	4°19	11°38	22°R41	22°41	9°48	0°11	T 9
F 10	17 35 21	23°57'36	13°20	11°R57	2°46	15°11	0°36	12°D 6	10° 2	4°21	11°39	22°41	22°38	9°55	0°14	F 10
S 11	17 39 17	24°54'45	25°21	11°54	3°13	15°51	0°49	12° 6	10° 4	4°23	11°39	22°41	22°35	10° 2	0°17	S 11
S 12	17 43 14	25°51'55	7♓16	11°46	3°39	16°32	1° 2	12° 6	10° 7	4°25	11°40	22°41	22°32	10° 8	0°19	S 12
M13	17 47 10	26°49'04	19°10	11°33	4° 3	17°12	1°16	12° 7	10°10	4°27	11°40	22°40	22°29	10°15	0°22	M13
T 14	17 51 7	27°46'14	1♈ 5	11°16	4°26	17°52	1°29	12° 7	10°12	4°29	11°41	22°D40	22°25	10°22	0°24	T 14
W15	17 55 4	28°43'24	13° 8	10°55	4°46	18°32	1°42	12° 8	10°15	4°30	11°41	22°41	22°22	10°28	0°27	W15
T 16	17 59 0	29°40'34	25°22	10°30	5° 5	19°13	1°55	12° 8	10°18	4°32	11°42	22°41	22°19	10°35	0°29	T 16
F 17	18 2 57	0♋37'44	7♉51	10° 2	5°22	19°53	2° 8	12° 9	10°20	4°34	11°42	22°42	22°16	10°42	0°31	F 17
S 18	18 6 53	1°34'55	20°39	9°31	5°37	20°33	2°21	12°10	10°23	4°36	11°42	22°43	22°13	10°49	0°34	S 18
S 19	18 10 50	2°32'07	3♊48	8°57	5°50	21°13	2°34	12°11	10°25	4°38	11°43	22°43	22°10	10°55	0°36	S 19
M20	18 14 46	3°29'18	17°19	8°21	6° 2	21°53	2°47	12°11	10°27	4°40	11°43	22°R44	22° 6	11° 2	0°38	M20
T 21	18 18 43	4°26'30	1♋11	7°43	6°11	22°33	3° 0	12°13	10°30	4°42	11°43	22°44	22° 3	11° 9	0°40	T 21
W22	18 22 39	5°23'43	15°20	7° 5	6°18	23°13	3°13	12°14	10°32	4°44	11°44	22°43	22° 0	11°16	0°43	W22
T 23	18 26 36	6°20'55	29°44	6°26	6°22	23°53	3°26	12°15	10°34	4°46	11°44	22°42	21°57	11°22	0°45	T 23
F 24	18 30 33	7°18'08	14♌15	5°48	6°25	24°33	3°39	12°16	10°37	4°48	11°44	22°40	21°54	11°29	0°47	F 24
S 25	18 34 29	8°15'20	28°50	5°11	6°R25	25°13	3°51	12°18	10°39	4°50	11°45	22°38	21°50	11°36	0°49	S 25
S 26	18 38 26	9°12'33	13♍20	4°35	6°23	25°53	4° 4	12°19	10°41	4°52	11°45	22°37	21°47	11°42	0°51	S 26
M27	18 42 22	10° 9'46	27°43	4° 2	6°18	26°32	4°17	12°21	10°43	4°54	11°45	22°36	21°44	11°49	0°53	M27
T 28	18 46 19	11° 6'59	11♎54	3°32	6°11	27°12	4°29	12°23	10°45	4°56	11°45	22°D35	21°41	11°56	0°54	T 28
W29	18 50 15	12° 4'12	25°52	3° 5	6° 2	27°52	4°42	12°25	10°47	4°58	11°45	22°36	21°38	12° 3	0°56	W29
T 30	18 54 12	13♋ 1'25	9♏36	2♋43	5♌50	28♊31	4♊54	12♎27	10♉49	5♌ 0	11♈46	22♐37	21♐35	12♓ 9	0♉58	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n45	10s28	4s53	23n30	0n15	22n28	1n46	22n21	0n26	19n17	0s40	2s23	2n39	14n24	0s23	19n26	0n 7	11s 4	17s 1	23s21	23s23	3s39	11n38	0n12
T 2	22 51	15 10	4 15	23 14	0 2	22 14	1 40	22 27	0 26	19 20	0 40	2 23	2 39	14 24	0 23	19 26	0 7	11 4	17 2	23 21	23 22	3 36	11 39	0 11
F 3	22 57	19 1	3 23	22 58	0s11	22 0	1 33	22 34	0 27	19 23	0 40	2 23	2 39	14 25	0 23	19 26	0 7	11 4	17 2	23 21	23 22	3 33	11 40	0 11
S 4	23 2	21 45	2 20	22 42	0 25	21 46	1 27	22 40	0 27	19 26	0 40	2 23	2 38	14 26	0 23	19 25	0 7	11 4	17 2	23 21	23 22	3 31	11 41	0 11
S 5	23 7	23 13	1 10	22 26	0 40	21 32	1 20	22 46	0 28	19 29	0 40	2 23	2 38	14 27	0 23	19 25	0 7	11 4	17 3	23 21	23 22	3 28	11 42	0 11
M 6	23 11	23 20	0n 3	22 9	0 55	21 17	1 13	22 52	0 28	19 32	0 40	2 23	2 38	14 28	0 23	19 24	0 7	11 4	17 3	23 21	23 22	3 25	11 43	0 11
T 7	23 15	22 11	1 14	21 53	1 10	21 3	1 6	22 58	0 29	19 35	0 40	2 23	2 38	14 29	0 23	19 24	0 7	11 4	17 3	23 21	23 22	3 22	11 44	0 11
W 8	23 19	19 56	2 20	21 36	1 26	20 48	0 58	23 4	0 30	19 38	0 40	2 24	2 37	14 30	0 23	19 24	0 7	11 4	17 4	23 21	23 21	3 20	11 45	0 11
T 9	23 22	16 47	3 17	21 20	1 41	20 33	0 50	23 9	0 30	19 41	0 40	2 24	2 37	14 31	0 23	19 23	0 7	11 4	17 4	23 21	23 21	3 17	11 46	0 11
F 10	23 25	12 59	4 5	21 4	1 57	20 19	0 42	23 14	0 31	19 44	0 40	2 24	2 37	14 32	0 23	19 23	0 7	11 4	17 4	23 21	23 21	3 14	11 47	0 11
S 11	23 27	8 43	4 42	20 48	2 13	20 4	0 33	23 19	0 31	19 46	0 40	2 24	2 37	14 32	0 23	19 22	0 7	11 4	17 5	23 21	23 21	3 12	11 48	0 11
S 12	23 29	4 9	5 5	20 33	2 29	19 49	0 24	23 24	0 32	19 49	0 40	2 25	2 36	14 33	0 23	19 22	0 7	11 4	17 5	23 21	23 21	3 9	11 48	0 11
M13	23 31	0n32	5 16	20 19	2 45	19 35	0 15	23 28	0 32	19 52	0 40	2 25	2 36	14 34	0 23	19 21	0 7	11 4	17 5	23 21	23 20	3 6	11 49	0 11
T 14	23 32	5 13	5 13	20 5	3 0	19 20	0 5	23 33	0 33	19 55	0 40	2 25	2 36	14 35	0 23	19 21	0 7	11 5	17 6	23 21	23 20	3 4	11 50	0 11
W15	23 33	9 46	4 57	19 52	3 15	19 5	0s 5	23 37	0 33	19 57	0 40	2 26	2 36	14 36	0 23	19 21	0 7	11 5	17 6	23 21	23 20	3 1	11 51	0 11
T 16	23 33	13 59	4 27	19 40	3 29	18 51	0 15	23 41	0 34	20 0	0 39	2 26	2 35	14 37	0 23	19 20	0 7	11 5	17 6	23 21	23 20	2 58	11 52	0 11
F 17	23 33	17 43	3 44	19 28	3 43	18 37	0 25	23 44	0 35	20 3	0 39	2 27	2 35	14 37	0 23	19 20	0 7	11 5	17 7	23 21	23 20	2 55	11 52	0 10
S 18	23 33	20 42	2 48	19 18	3 55	18 22	0 36	23 48	0 35	20 5	0 39	2 27	2 35	14 38	0 23	19 19	0 7	11 5	17 7	23 21	23 20	2 53	11 53	0 10
S 19	23 32	22 42	1 43	19 9	4 7	18 8	0 47	23 51	0 36	20 8	0 39	2 28	2 35	14 39	0 23	19 19	0 7	11 5	17 7	23 21	23 19	2 50	11 54	0 10
M20	23 31	23 27	0 30	19 1	4 17	17 54	0 59	23 54	0 36	20 11	0 39	2 29	2 34	14 40	0 23	19 18	0 7	11 5	17 8	23 21	23 19	2 47	11 55	0 10
T 21	23 29	22 46	0s47	18 54	4 26	17 41	1 11	23 57	0 37	20 13	0 39	2 29	2 34	14 40	0 23	19 18	0 7	11 6	17 8	23 21	23 19	2 45	11 55	0 10
W22	23 27	20 39	2 2	18 49	4 34	17 27	1 23	24 0	0 37	20 16	0 39	2 30	2 34	14 41	0 23	19 17	0 7	11 6	17 8	23 21	23 19	2 42	11 56	0 10
T 23	23 24	17 12	3 10	18 44	4 40	17 14	1 35	24 2	0 38	20 18	0 39	2 31	2 33	14 42	0 23	19 17	0 7	11 6	17 9	23 21	23 19	2 39	11 57	0 10
F 24	23 21	12 41	4 8	18 42	4 44	17 1	1 48	24 5	0 38	20 21	0 39	2 31	2 33	14 43	0 23	19 16	0 7	11 6	17 9	23 21	23 18	2 37	11 57	0 10
S 25	23 18	7 26	4 49	18 40	4 47	16 49	2 1	24 7	0 39	20 23	0 39	2 32	2 33	14 43	0 23	19 16	0 7	11 7	17 9	23 21	23 18	2 34	11 58	0 10
S 26	23 14	1 47	5 11	18 40	4 48	16 37	2 14	24 9	0 39	20 25	0 39	2 33	2 33	14 44	0 23	19 15	0 7	11 7	17 10	23 21	23 18	2 31	11 59	0 10
M27	23 10	3s53	5 14	18 42	4 48	16 25	2 27	24 10	0 40	20 28	0 39	2 34	2 32	14 45	0 23	19 15	0 7	11 7	17 10	23 21	23 18	2 29	11 59	0 10
T 28	23 5	9 17	4 58	18 45	4 46	16 13	2 41	24 12	0 40	20 30	0 39	2 35	2 32	14 45	0 23	19 14	0 7	11 7	17 10	23 21	23 18	2 26	12 0	0 10
W29	23 0	14 8	4 24	18 49	4 42	16 2	2 54	24 13	0 41	20 32	0 39	2 36	2 32	14 46	0 23	19 14	0 7	11 8	17 11	23 21	23 17	2 23	12 0	0 10
T 30	22n55	18s 9	3s35	18n55	4s37	15n52	3s 8	24n14	0n41	20n35	0s39	2s37	2n32	14n46	0s23	19n13	0n 7	11s 8	17s11	23s21	23s17	2s21	12n 1	0n10

Julian Day Number = 2122618.5, Delta T = 17m44s
Ecliptic obliquity = 23°33'20, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°11'08, Lahiri = 11°18'08 Julian Calendar 1 June 1099 == Greg. Calendar 7 June 1099

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1099
geocentric

JULY 1099 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 58 8	13♋58'39	23♏ 5	2°R24	5°R36	29♊11	5♊ 6	12♎29	10♉51	5♌ 2	11♈46	22♐38	21♐31	12♓16	1♉ 0	F 1
S 2	19 2 5	14°55'53	6♐20	2♋11	5♌19	29°51	5°18	12°31	10°53	5° 4	11°46	22°39	21°28	12°23	1° 1	S 2
S 3	19 6 2	15°53'07	19°21	2° 3	5° 1	0♋30	5°31	12°33	10°55	5° 7	11°46	22°R40	21°25	12°30	1° 3	S 3
M 4	19 9 58	16°50'22	2♑10	2°D 1	4°40	1°10	5°43	12°35	10°57	5° 9	11°46	22°40	21°22	12°36	1° 4	M 4
T 5	19 13 55	17°47'38	14°47	2° 4	4°16	1°49	5°55	12°38	10°59	5°11	11°46	22°38	21°19	12°43	1° 6	T 5
W 6	19 17 51	18°44'54	27°12	2°13	3°51	2°29	6° 7	12°40	11° 1	5°13	11°R46	22°36	21°16	12°50	1° 7	W 6
T 7	19 21 48	19°42'11	9♒27	2°28	3°24	3° 8	6°19	12°43	11° 3	5°15	11°46	22°32	21°12	12°56	1° 9	T 7
F 8	19 25 44	20°39'28	21°32	2°49	2°54	3°47	6°30	12°45	11° 4	5°17	11°46	22°27	21° 9	13° 3	1°10	F 8
S 9	19 29 41	21°36'47	3♓31	3°16	2°24	4°27	6°42	12°48	11° 6	5°20	11°46	22°22	21° 6	13°10	1°11	S 9
S 10	19 33 37	22°34'07	15°25	3°49	1°51	5° 6	6°54	12°51	11° 7	5°22	11°46	22°18	21° 3	13°17	1°13	S 10
M11	19 37 34	23°31'27	27°17	4°28	1°18	5°45	7° 6	12°54	11° 9	5°24	11°46	22°14	21° 0	13°23	1°14	M11
T 12	19 41 31	24°28'49	9♈11	5°13	0°43	6°24	7°17	12°57	11°11	5°26	11°46	22°11	20°56	13°30	1°15	T 12
W13	19 45 27	25°26'11	21°12	6° 5	0° 7	7° 3	7°28	13° 0	11°12	5°28	11°46	22°D10	20°53	13°37	1°16	W13
T 14	19 49 24	26°23'36	3♉24	7° 2	29♋30	7°43	7°40	13° 3	11°13	5°30	11°45	22°10	20°50	13°43	1°17	T 14
F 15	19 53 20	27°21'01	15°51	8° 4	28°53	8°22	7°51	13° 7	11°15	5°33	11°45	22°11	20°47	13°50	1°18	F 15
S 16	19 57 17	28°18'27	28°38	9°13	28°16	9° 1	8° 2	13°10	11°16	5°35	11°45	22°13	20°44	13°57	1°19	S 16
S 17	20 1 13	29°15'55	11♊49	10°27	27°39	9°40	8°13	13°13	11°17	5°37	11°45	22°14	20°41	14° 4	1°20	S 17
M18	20 5 10	0♌13'25	25°26	11°46	27° 2	10°19	8°24	13°17	11°19	5°39	11°45	22°R15	20°37	14°10	1°20	M18
T 19	20 9 6	1°10'55	9♋29	13°10	26°25	10°58	8°35	13°21	11°20	5°42	11°44	22°14	20°34	14°17	1°21	T 19
W20	20 13 3	2° 8'27	23°56	14°39	25°49	11°37	8°46	13°24	11°21	5°44	11°44	22°11	20°31	14°24	1°22	W20
T 21	20 17 0	3° 6'00	8♌42	16°13	25°14	12°16	8°57	13°28	11°22	5°46	11°44	22° 6	20°28	14°31	1°22	T 21
F 22	20 20 56	4° 3'33	23°39	17°50	24°41	12°54	9° 7	13°32	11°23	5°48	11°43	22° 0	20°25	14°37	1°23	F 22
S 23	20 24 53	5° 1'08	8♍38	19°32	24° 8	13°33	9°18	13°36	11°24	5°50	11°43	21°54	20°22	14°44	1°23	S 23
S 24	20 28 49	5°58'44	23°31	21°18	23°37	14°12	9°28	13°40	11°25	5°53	11°43	21°48	20°18	14°51	1°24	S 24
M25	20 32 46	6°56'21	8♎ 9	23° 6	23° 8	14°51	9°39	13°44	11°26	5°55	11°42	21°43	20°15	14°57	1°24	M25
T 26	20 36 42	7°53'59	22°29	24°58	22°40	15°30	9°49	13°48	11°27	5°57	11°42	21°40	20°12	15° 4	1°24	T 26
W27	20 40 39	8°51'38	6♏27	26°52	22°14	16° 8	9°59	13°52	11°28	5°59	11°42	21°D39	20° 9	15°11	1°25	W27
T 28	20 44 35	9°49'18	20° 3	28°48	21°51	16°47	10° 9	13°57	11°28	6° 2	11°41	21°40	20° 6	15°18	1°25	T 28
F 29	20 48 32	10°46'59	3♐19	0♌46	21°29	17°26	10°19	14° 1	11°29	6° 4	11°41	21°41	20° 2	15°24	1°25	F 29
S 30	20 52 29	11°44'41	16°17	2°44	21°10	18° 4	10°29	14° 6	11°30	6° 6	11°40	21°R42	19°59	15°31	1°25	S 30
S 31	20 56 25	12♌42'25	29♐ 0	4♌44	20♋53	18♋43	10♊39	14♎10	11♉30	6♌ 8	11♈40	21♐42	19♐56	15♓38	1°R25	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	22n49	21s 9	2s36	19n 2	4s30	15n42	3s22	24n15	0n42	20n37	0s39	2s38	2n31	14n47	0s23	19n13	0n 7	11s 8	17s11	23s21	23s17	2s18	12n 1	0n10	F 1
S 2	22 43	22 56	1 29	19 10	4 23	15 32	3 36	24 16	0 42	20 39	0 39	2 39	2 31	14 48	0 23	19 12	0 7	11 8	17 12	23 21	23 17	2 15	12 2	0 9	S 2
S 3	22 36	23 26	0 18	19 19	4 13	15 23	3 50	24 16	0 43	20 41	0 39	2 40	2 31	14 48	0 23	19 12	0 7	11 9	17 12	23 21	23 17	2 12	12 2	0 9	S 3
M 4	22 29	22 40	0n52	19 29	4 3	15 14	4 5	24 16	0 43	20 43	0 39	2 41	2 31	14 49	0 23	19 11	0 7	11 9	17 13	23 21	23 16	2 10	12 3	0 9	M 4
T 5	22 22	20 46	1 58	19 40	3 52	15 6	4 19	24 16	0 44	20 46	0 39	2 42	2 30	14 49	0 23	19 11	0 7	11 9	17 13	23 21	23 16	2 7	12 3	0 9	T 5
W 6	22 14	17 55	2 58	19 52	3 40	14 58	4 32	24 16	0 44	20 48	0 39	2 44	2 30	14 50	0 23	19 10	0 7	11 10	17 13	23 21	23 16	2 4	12 4	0 9	W 6
T 7	22 6	14 18	3 49	20 5	3 27	14 51	4 46	24 16	0 45	20 50	0 39	2 45	2 30	14 50	0 23	19 10	0 7	11 10	17 14	23 21	23 16	2 2	12 4	0 9	T 7
F 8	21 58	10 10	4 28	20 18	3 14	14 44	5 0	24 15	0 45	20 52	0 39	2 46	2 30	14 51	0 23	19 9	0 7	11 10	17 14	23 20	23 16	1 59	12 5	0 9	F 8
S 9	21 49	5 41	4 55	20 31	2 59	14 38	5 13	24 15	0 46	20 54	0 39	2 47	2 29	14 52	0 23	19 9	0 7	11 11	17 14	23 20	23 15	1 56	12 5	0 9	S 9
S 10	21 39	1 1	5 10	20 45	2 45	14 33	5 26	24 14	0 46	20 56	0 39	2 49	2 29	14 52	0 23	19 8	0 7	11 11	17 15	23 20	23 15	1 54	12 5	0 9	S 10
M11	21 30	3n40	5 11	20 59	2 30	14 28	5 38	24 13	0 47	20 58	0 39	2 50	2 29	14 52	0 23	19 8	0 7	11 11	17 15	23 20	23 15	1 51	12 6	0 9	M11
T 12	21 20	8 14	4 59	21 12	2 15	14 24	5 50	24 11	0 47	21 0	0 39	2 51	2 29	14 53	0 24	19 7	0 7	11 12	17 15	23 19	23 15	1 48	12 6	0 9	T 12
W13	21 9	12 31	4 33	21 25	2 0	14 20	6 1	24 10	0 48	21 2	0 39	2 53	2 28	14 53	0 24	19 7	0 7	11 12	17 16	23 19	23 14	1 46	12 6	0 9	W13
T 14	20 59	16 23	3 55	21 38	1 45	14 17	6 12	24 8	0 48	21 3	0 39	2 54	2 28	14 54	0 24	19 6	0 7	11 12	17 16	23 19	23 14	1 43	12 7	0 9	T 14
F 15	20 47	19 37	3 5	21 49	1 29	14 14	6 22	24 6	0 49	21 5	0 39	2 56	2 28	14 54	0 24	19 6	0 7	11 13	17 16	23 19	23 14	1 40	12 7	0 9	F 15
S 16	20 36	21 59	2 5	22 0	1 14	14 12	6 32	24 4	0 49	21 7	0 39	2 57	2 28	14 55	0 24	19 5	0 7	11 13	17 17	23 20	23 14	1 38	12 7	0 8	S 16
S 17	20 24	23 15	0 56	22 10	0 59	14 11	6 41	24 2	0 50	21 9	0 39	2 59	2 27	14 55	0 24	19 5	0 7	11 14	17 17	23 20	23 14	1 35	12 7	0 8	S 17
M18	20 12	23 11	0s17	22 18	0 45	14 10	6 49	23 59	0 50	21 11	0 39	3 1	2 27	14 55	0 24	19 4	0 7	11 14	17 17	23 20	23 13	1 32	12 8	0 8	M18
T 19	20 0	21 41	1 32	22 24	0 30	14 9	6 56	23 57	0 51	21 12	0 39	3 2	2 27	14 56	0 24	19 4	0 7	11 14	17 18	23 20	23 13	1 30	12 8	0 8	T 19
W20	19 47	18 45	2 43	22 28	0 16	14 9	7 3	23 54	0 51	21 14	0 39	3 4	2 27	14 56	0 24	19 3	0 7	11 15	17 18	23 19	23 13	1 27	12 8	0 8	W20
T 21	19 34	14 33	3 45	22 31	0 3	14 10	7 9	23 51	0 52	21 16	0 39	3 5	2 27	14 56	0 24	19 2	0 7	11 15	17 18	23 19	23 13	1 24	12 8	0 8	T 21
F 22	19 20	9 25	4 32	22 31	0n10	14 11	7 14	23 48	0 52	21 17	0 39	3 7	2 26	14 57	0 24	19 2	0 7	11 16	17 19	23 19	23 12	1 22	12 8	0 8	F 22
S 23	19 6	3 44	5 0	22 29	0 22	14 12	7 18	23 44	0 53	21 19	0 39	3 9	2 26	14 57	0 24	19 1	0 7	11 16	17 19	23 18	23 12	1 19	12 8	0 8	S 23
S 24	18 52	2s 8	5 8	22 24	0 33	14 14	7 21	23 41	0 53	21 21	0 39	3 11	2 26	14 57	0 24	19 1	0 8	11 16	17 19	23 18	23 12	1 16	12 8	0 8	S 24
M25	18 38	7 47	4 56	22 17	0 44	14 16	7 24	23 37	0 54	21 22	0 39	3 12	2 26	14 58	0 24	19 0	0 7	11 17	17 20	23 18	23 12	1 14	12 8	0 8	M25
T 26	18 23	12 53	4 25	22 7	0 54	14 19	7 26	23 33	0 54	21 24	0 39	3 14	2 25	14 58	0 24	19 0	0 8	11 17	17 20	23 18	23 11	1 11	12 9	0 8	T 26
W27	18 8	17 11	3 39	21 55	1 3	14 22	7 27	23 29	0 55	21 25	0 39	3 16	2 25	14 58	0 24	18 59	0 8	11 18	17 20	23 17	23 11	1 8	12 9	0 8	W27
T 28	17 52	20 26	2 42	21 39	1 11	14 25	7 27	23 24	0 55	21 27	0 39	3 18	2 25	14 58	0 24	18 59	0 8	11 18	17 21	23 18	23 11	1 6	12 9	0 8	T 28
F 29	17 37	22 31	1 37	21 21	1 18	14 28	7 27	23 20	0 56	21 28	0 39	3 20	2 25	14 59	0 24	18 58	0 8	11 19	17 21	23 18	23 11	1 3	12 9	0 8	F 29
S 30	17 21	23 20	0 29	21 1	1 25	14 32	7 26	23 15	0 56	21 29	0 39	3 22	2 25	14 59	0 24	18 58	0 8	11 19	17 21	23 18	23 11	1 0	12 8	0 7	S 30
S 31	17n 5	22s54	0n39	20n38	1n30	14n36	7s24	23n10	0n57	21n31	0s39	3s24	2n24	14n59	0s24	18n57	0n 8	11s20	17s22	23s18	23s10	0s58	12n 8	0n 7	S 31

Julian Day Number = 2122648.5, Delta T = 17m44s
Ecliptic obliquity = 23°33'20, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°11'12, Lahiri = 11°18'12 Julian Calendar 1 July 1099 == Greg. Calendar 7 July 1099

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1099
geocentric

AUGUST 1099 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 0 22	13♌40'10	11♉31	6♌45	20°R39	19♋21	10♊48	14♎15	11♉31	6♌10	11°R39	21°R40	19♐53	15♓44	1°R25	M 1
T 2	21 4 18	14°37'55	23°52	8°46	20♋26	20° 0	10°58	14°20	11°32	6°13	11♈39	21♐35	19°50	15°51	1♉25	T 2
W 3	21 8 15	15°35'43	6♒ 4	10°46	20°17	20°38	11° 7	14°24	11°32	6°15	11°38	21°29	19°47	15°58	1°25	W 3
T 4	21 12 11	16°33'31	18° 9	12°47	20° 9	21°16	11°16	14°29	11°32	6°17	11°38	21°20	19°43	16° 5	1°25	T 4
F 5	21 16 8	17°31'22	0♓ 8	14°47	20° 4	21°55	11°25	14°34	11°33	6°19	11°37	21°10	19°40	16°11	1°24	F 5
S 6	21 20 4	18°29'13	12° 3	16°46	20° 2	22°33	11°34	14°39	11°33	6°21	11°36	20°59	19°37	16°18	1°24	S 6
S 7	21 24 1	19°27'07	23°55	18°45	20°D 1	23°12	11°43	14°44	11°33	6°24	11°36	20°48	19°34	16°25	1°24	S 7
M 8	21 27 58	20°25'02	5♈47	20°43	20° 3	23°50	11°52	14°49	11°34	6°26	11°35	20°39	19°31	16°32	1°23	M 8
T 9	21 31 54	21°22'59	17°41	22°40	20° 8	24°28	12° 1	14°54	11°34	6°28	11°34	20°32	19°28	16°38	1°23	T 9
W10	21 35 51	22°20'58	29°40	24°36	20°14	25° 6	12° 9	14°59	11°34	6°30	11°34	20°27	19°24	16°45	1°22	W10
T 11	21 39 47	23°18'58	11♉50	26°30	20°23	25°44	12°18	15° 5	11°34	6°32	11°33	20°24	19°21	16°52	1°22	T 11
F 12	21 43 44	24°17'01	24°13	28°24	20°34	26°23	12°26	15°10	11°R34	6°34	11°32	20°D24	19°18	16°58	1°21	F 12
S 13	21 47 40	25°15'06	6♊56	0♍17	20°47	27° 1	12°34	15°16	11°34	6°37	11°32	20°24	19°15	17° 5	1°20	S 13
S 14	21 51 37	26°13'13	20° 2	2° 8	21° 2	27°39	12°42	15°21	11°34	6°39	11°31	20°R24	19°12	17°12	1°19	S 14
M15	21 55 33	27°11'22	3♋36	3°58	21°19	28°17	12°50	15°27	11°34	6°41	11°30	20°24	19° 8	17°19	1°19	M15
T 16	21 59 30	28° 9'32	17°39	5°47	21°38	28°55	12°57	15°32	11°33	6°43	11°29	20°21	19° 5	17°25	1°18	T 16
W17	22 3 27	29° 7'45	2♌10	7°34	21°59	29°33	13° 5	15°38	11°33	6°45	11°29	20°16	19° 2	17°32	1°17	W17
T 18	22 7 23	0♍ 6'00	17° 4	9°21	22°22	0♌11	13°12	15°43	11°33	6°47	11°28	20° 8	18°59	17°39	1°16	T 18
F 19	22 11 20	1° 4'16	2♍16	11° 6	22°46	0°49	13°20	15°49	11°33	6°49	11°27	19°59	18°56	17°46	1°15	F 19
S 20	22 15 16	2° 2'35	17°33	12°50	23°12	1°27	13°27	15°55	11°32	6°51	11°26	19°48	18°53	17°52	1°14	S 20
S 21	22 19 13	3° 0'55	2♎44	14°33	23°40	2° 5	13°34	16° 1	11°32	6°53	11°25	19°38	18°49	17°59	1°12	S 21
M22	22 23 9	3°59'16	17°40	16°15	24° 9	2°42	13°41	16° 7	11°31	6°55	11°24	19°30	18°46	18° 6	1°11	M22
T 23	22 27 6	4°57'40	2♏13	17°55	24°39	3°20	13°47	16°13	11°31	6°57	11°23	19°24	18°43	18°12	1°10	T 23
W24	22 31 2	5°56'05	16°19	19°35	25°11	3°58	13°54	16°19	11°30	6°59	11°23	19°21	18°40	18°19	1° 9	W24
T 25	22 34 59	6°54'32	29°58	21°13	25°45	4°36	14° 0	16°25	11°29	7° 1	11°22	19°20	18°37	18°26	1° 7	T 25
F 26	22 38 56	7°53'00	13♐12	22°50	26°20	5°14	14° 6	16°31	11°29	7° 3	11°21	19°20	18°33	18°33	1° 6	F 26
S 27	22 42 52	8°51'30	26° 3	24°27	26°56	5°51	14°13	16°37	11°28	7° 5	11°20	19°20	18°30	18°39	1° 4	S 27
S 28	22 46 49	9°50'02	8♑37	26° 2	27°33	6°29	14°18	16°43	11°27	7° 7	11°19	19°18	18°27	18°46	1° 3	S 28
M29	22 50 45	10°48'35	20°56	27°36	28°12	7° 6	14°24	16°50	11°26	7° 9	11°18	19°15	18°24	18°53	1° 1	M29
T 30	22 54 42	11°47'10	3♒ 6	29° 9	28°51	7°44	14°30	16°56	11°26	7°11	11°17	19° 9	18°21	18°59	1° 0	T 30
W31	22 58 38	12♍45'47	15♒ 8	0♎41	29♋32	8♌22	14♊35	17♎ 2	11♉25	7♌13	11♈16	19♐ 0	18♐18	19♓ 6	0♉58	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n48	21s19	1n44	20n12	1n35	14n41	7s22	23n 5	0n57	21n32	0s39	3s26	2n24	14n59	0s24	18n57	0n 8	11s20	17s22	23s17	23s10	0s55	12n 8	0n 7
T 2	16 31	18 45	2 44	19 45	1 39	14 45	7 19	23 0	0 57	21 34	0 39	3 28	2 24	14 59	0 24	18 56	0 8	11 21	17 22	23 17	23 10	0 52	12 8	0 7
W 3	16 14	15 23	3 35	19 15	1 42	14 50	7 16	22 55	0 58	21 35	0 39	3 30	2 24	14 59	0 24	18 55	0 8	11 21	17 23	23 17	23 10	0 50	12 8	0 7
T 4	15 57	11 25	4 15	18 43	1 44	14 55	7 12	22 49	0 58	21 36	0 39	3 32	2 24	14 59	0 24	18 55	0 8	11 22	17 23	23 16	23 9	0 47	12 8	0 7
F 5	15 39	7 3	4 44	18 10	1 46	14 59	7 8	22 44	0 59	21 37	0 39	3 34	2 23	15 0	0 24	18 54	0 8	11 22	17 23	23 16	23 9	0 45	12 8	0 7
S 6	15 22	2 27	5 0	17 34	1 46	15 4	7 3	22 38	0 59	21 39	0 39	3 36	2 23	15 0	0 24	18 54	0 8	11 23	17 23	23 15	23 9	0 42	12 8	0 7
S 7	15 4	2n13	5 3	16 58	1 46	15 9	6 58	22 32	1 0	21 40	0 39	3 38	2 23	15 0	0 24	18 53	0 8	11 23	17 24	23 14	23 9	0 39	12 7	0 7
M 8	14 45	6 48	4 54	16 20	1 46	15 14	6 53	22 26	1 0	21 41	0 39	3 40	2 23	15 0	0 24	18 53	0 8	11 24	17 24	23 13	23 8	0 37	12 7	0 7
T 9	14 27	11 8	4 31	15 41	1 45	15 19	6 47	22 19	1 1	21 42	0 39	3 43	2 23	15 0	0 24	18 52	0 8	11 24	17 24	23 13	23 8	0 34	12 7	0 7
W10	14 8	15 5	3 56	15 0	1 43	15 24	6 41	22 13	1 1	21 43	0 39	3 45	2 22	15 0	0 24	18 52	0 8	11 25	17 25	23 13	23 8	0 31	12 7	0 7
T 11	13 49	18 28	3 10	14 19	1 41	15 29	6 35	22 6	1 2	21 44	0 39	3 47	2 22	15 0	0 24	18 51	0 8	11 25	17 25	23 12	23 8	0 29	12 6	0 7
F 12	13 29	21 6	2 15	13 37	1 38	15 34	6 29	22 0	1 2	21 45	0 39	3 49	2 22	15 0	0 24	18 51	0 8	11 26	17 25	23 12	23 7	0 26	12 6	0 7
S 13	13 10	22 45	1 11	12 54	1 35	15 39	6 22	21 53	1 2	21 46	0 39	3 51	2 22	15 0	0 24	18 50	0 8	11 26	17 25	23 12	23 7	0 23	12 6	0 6
S 14	12 50	23 13	0 2	12 11	1 31	15 43	6 15	21 46	1 3	21 47	0 39	3 54	2 22	15 0	0 24	18 50	0 8	11 27	17 26	23 12	23 7	0 21	12 5	0 6
M15	12 30	22 21	1s10	11 27	1 27	15 47	6 8	21 38	1 3	21 48	0 39	3 56	2 22	15 0	0 24	18 49	0 8	11 27	17 26	23 12	23 7	0 18	12 5	0 6
T 16	12 10	20 5	2 19	10 43	1 22	15 52	6 1	21 31	1 4	21 49	0 39	3 58	2 21	15 0	0 24	18 49	0 8	11 28	17 26	23 12	23 6	0 15	12 5	0 6
W17	11 50	16 29	3 22	9 58	1 18	15 56	5 54	21 23	1 4	21 50	0 39	4 1	2 21	15 0	0 24	18 48	0 8	11 28	17 26	23 12	23 6	0 13	12 4	0 6
T 18	11 29	11 46	4 13	9 13	1 12	16 0	5 46	21 16	1 5	21 51	0 39	4 3	2 21	14 59	0 24	18 48	0 8	11 29	17 27	23 11	23 6	0 10	12 4	0 6
F 19	11 9	6 15	4 47	8 28	1 7	16 3	5 39	21 8	1 5	21 52	0 39	4 5	2 21	14 59	0 24	18 47	0 8	11 29	17 27	23 11	23 5	0 8	12 3	0 6
S 20	10 48	0 19	5 1	7 43	1 1	16 6	5 31	21 0	1 5	21 53	0 39	4 8	2 21	14 59	0 24	18 47	0 8	11 30	17 27	23 10	23 5	0 5	12 3	0 6
S 21	10 27	5s35	4 54	6 58	0 55	16 9	5 24	20 52	1 6	21 54	0 39	4 10	2 21	14 59	0 24	18 46	0 8	11 30	17 27	23 9	23 5	0 2	12 3	0 6
M22	10 6	11 4	4 26	6 12	0 49	16 12	5 16	20 44	1 6	21 55	0 39	4 13	2 20	14 59	0 24	18 46	0 8	11 31	17 28	23 8	23 5	0n 0	12 2	0 6
T 23	9 44	15 46	3 42	5 27	0 43	16 15	5 8	20 35	1 7	21 56	0 39	4 15	2 20	14 59	0 24	18 45	0 8	11 31	17 28	23 8	23 4	0 3	12 2	0 6
W24	9 23	19 26	2 45	4 42	0 36	16 17	5 0	20 27	1 7	21 56	0 39	4 17	2 20	14 59	0 24	18 45	0 8	11 32	17 28	23 8	23 4	0 6	12 1	0 6
T 25	9 1	21 53	1 41	3 57	0 29	16 19	4 52	20 18	1 8	21 57	0 39	4 20	2 20	14 58	0 24	18 44	0 8	11 33	17 28	23 7	23 4	0 8	12 0	0 6
F 26	8 39	23 2	0 32	3 12	0 23	16 20	4 44	20 9	1 8	21 58	0 39	4 22	2 20	14 58	0 24	18 44	0 8	11 33	17 28	23 7	23 4	0 11	12 0	0 5
S 27	8 17	22 54	0n36	2 27	0 15	16 21	4 36	20 0	1 9	21 58	0 39	4 25	2 20	14 58	0 24	18 43	0 8	11 34	17 29	23 7	23 3	0 13	11 59	0 5
S 28	7 55	21 37	1 40	1 43	0 8	16 22	4 28	19 51	1 9	21 59	0 39	4 27	2 20	14 58	0 24	18 43	0 8	11 34	17 29	23 7	23 3	0 16	11 59	0 5
M29	7 33	19 18	2 39	0 58	0 1	16 22	4 21	19 42	1 9	22 0	0 39	4 30	2 19	14 57	0 24	18 42	0 8	11 35	17 29	23 7	23 3	0 19	11 58	0 5
T 30	7 11	16 10	3 29	0 14	0s 6	16 22	4 13	19 33	1 10	22 0	0 39	4 32	2 19	14 57	0 24	18 42	0 8	11 35	17 29	23 7	23 3	0 21	11 57	0 5
W31	6n48	12s24	4n10	0s29	0s14	16n21	4s 5	19n24	1n10	22n 1	0s39	4s35	2n19	14n57	0s24	18n41	0n 8	11s36	17s29	23s 6	23s 2	0n24	11n57	0n 5

Julian Day Number = 2122679.5, Delta T = 17m44s
Ecliptic obliquity = 23°33'20, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°11'16, Lahiri = 11°18'16 Julian Calendar 1 Aug. 1099 == Greg. Calendar 7 Aug. 1099

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1099
geocentric

SEPTEMBER 1099 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 2 35	13♍44'26	27♒ 5	2♎12	0♌14	8♌59	14♊40	17♎ 9	11°R24	7♌15	11°R15	18°R48	18♐14	19♓13	0°R56	T 1
F 2	23 6 31	14°43'06	9♓ 0	3°42	0°57	9°36	14°45	17°15	11♉23	7°17	11♈14	18♐34	18°11	19°20	0♉54	F 2
S 3	23 10 28	15°41'49	20°53	5°11	1°41	10°14	14°50	17°22	11°22	7°19	11°13	18°20	18° 8	19°26	0°52	S 3
S 4	23 14 25	16°40'34	2♈45	6°39	2°26	10°51	14°55	17°28	11°20	7°20	11°12	18° 6	18° 5	19°33	0°51	S 4
M 5	23 18 21	17°39'20	14°39	8° 6	3°11	11°29	15° 0	17°35	11°19	7°22	11°11	17°53	18° 2	19°40	0°49	M 5
T 6	23 22 18	18°38'09	26°36	9°32	3°58	12° 6	15° 4	17°41	11°18	7°24	11°10	17°43	17°59	19°47	0°47	T 6
W 7	23 26 14	19°37'00	8♉38	10°56	4°46	12°43	15° 8	17°48	11°17	7°26	11° 9	17°36	17°55	19°53	0°45	W 7
T 8	23 30 11	20°35'54	20°49	12°20	5°34	13°21	15°12	17°54	11°16	7°27	11° 8	17°31	17°52	20° 0	0°43	T 8
F 9	23 34 7	21°34'50	3♊13	13°43	6°24	13°58	15°16	18° 1	11°14	7°29	11° 7	17°29	17°49	20° 7	0°40	F 9
S 10	23 38 4	22°33'48	15°52	15° 4	7°14	14°35	15°20	18° 8	11°13	7°31	11° 6	17°29	17°46	20°13	0°38	S 10
S 11	23 42 0	23°32'48	28°53	16°24	8° 5	15°12	15°23	18°15	11°11	7°33	11° 5	17°29	17°43	20°20	0°36	S 11
M12	23 45 57	24°31'51	12♋19	17°43	8°56	15°49	15°27	18°21	11°10	7°34	11° 3	17°28	17°39	20°27	0°34	M12
T 13	23 49 53	25°30'57	26°13	19° 1	9°48	16°27	15°30	18°28	11° 8	7°36	11° 2	17°25	17°36	20°34	0°32	T 13
W14	23 53 50	26°30'04	10♌35	20°17	10°41	17° 4	15°33	18°35	11° 7	7°38	11° 1	17°20	17°33	20°40	0°29	W14
T 15	23 57 47	27°29'14	25°24	21°32	11°35	17°41	15°35	18°42	11° 5	7°39	11° 0	17°12	17°30	20°47	0°27	T 15
F 16	0 1 43	28°28'26	10♍32	22°45	12°29	18°18	15°38	18°49	11° 4	7°41	10°59	17° 2	17°27	20°54	0°25	F 16
S 17	0 5 40	29°27'40	25°51	23°56	13°24	18°55	15°40	18°56	11° 2	7°42	10°58	16°51	17°24	21° 1	0°22	S 17
S 18	0 9 36	0♎26'57	11♎ 9	25° 6	14°19	19°32	15°42	19° 3	11° 0	7°44	10°57	16°40	17°20	21° 7	0°20	S 18
M19	0 13 33	1°26'15	26°14	26°14	15°15	20° 9	15°44	19°10	10°59	7°45	10°56	16°31	17°17	21°14	0°17	M19
T 20	0 17 29	2°25'36	10♏58	27°20	16°12	20°45	15°46	19°17	10°57	7°47	10°55	16°25	17°14	21°21	0°15	T 20
W21	0 21 26	3°24'58	25°15	28°24	17° 9	21°22	15°48	19°24	10°55	7°48	10°53	16°21	17°11	21°27	0°12	W21
T 22	0 25 22	4°24'22	9♐ 2	29°25	18° 6	21°59	15°49	19°31	10°53	7°50	10°52	16°19	17° 8	21°34	0°10	T 22
F 23	0 29 19	5°23'48	22°21	0♏24	19° 5	22°36	15°50	19°38	10°51	7°51	10°51	16°D19	17° 5	21°41	0° 7	F 23
S 24	0 33 16	6°23'16	5♑15	1°20	20° 3	23°12	15°51	19°45	10°49	7°52	10°50	16°R19	17° 1	21°48	0° 4	S 24
S 25	0 37 12	7°22'46	17°47	2°12	21° 2	23°49	15°52	19°52	10°47	7°54	10°49	16°19	16°58	21°54	0° 2	S 25
M26	0 41 9	8°22'17	0♒ 4	3° 1	22° 2	24°26	15°53	19°59	10°45	7°55	10°48	16°17	16°55	22° 1	29♈59	M26
T 27	0 45 5	9°21'50	12° 8	3°47	23° 2	25° 2	15°53	20° 6	10°43	7°56	10°46	16°12	16°52	22° 8	29°56	T 27
W28	0 49 2	10°21'25	24° 6	4°28	24° 2	25°39	15°R53	20°13	10°41	7°57	10°45	16° 4	16°49	22°14	29°53	W28
T 29	0 52 58	11°21'02	5♓59	5° 5	25° 3	26°15	15°53	20°20	10°39	7°59	10°44	15°55	16°45	22°21	29°51	T 29
F 30	0 56 55	12♎20'41	17♓51	5♏36	26♌ 4	26♌52	15♊53	20♎28	10♉37	8♌ 0	10♈43	15♐43	16♐42	22♓28	29♈48	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6n25	8s11	4n39	1s12	0s21	16n21	3s57	19n14	1n11	22n 2	0s39	4s38	2n19	14n56	0s24	18n41	0n 8	11s36	17s29	23s 5	23s 2	0n27	11n56	0n 5
F 2	6 3	3 40	4 55	1 55	0 29	16 19	3 49	19 4	1 11	22 2	0 39	4 40	2 19	14 56	0 24	18 40	0 8	11 37	17 30	23 4	23 2	0 29	11 55	0 5
S 3	5 40	0n57	4 59	2 38	0 37	16 17	3 41	18 55	1 11	22 3	0 39	4 43	2 19	14 56	0 24	18 40	0 8	11 37	17 30	23 2	23 1	0 32	11 55	0 5
S 4	5 17	5 32	4 50	3 20	0 44	16 15	3 33	18 45	1 12	22 3	0 39	4 45	2 19	14 55	0 24	18 39	0 8	11 38	17 30	23 1	23 1	0 34	11 54	0 5
M 5	4 54	9 55	4 28	4 1	0 52	16 12	3 26	18 35	1 12	22 4	0 39	4 48	2 19	14 55	0 24	18 39	0 8	11 38	17 30	23 0	23 1	0 37	11 53	0 5
T 6	4 31	13 56	3 54	4 42	0 59	16 9	3 18	18 25	1 13	22 4	0 39	4 50	2 18	14 55	0 24	18 38	0 8	11 39	17 30	22 59	23 1	0 40	11 52	0 5
W 7	4 8	17 26	3 10	5 23	1 7	16 5	3 10	18 15	1 13	22 5	0 39	4 53	2 18	14 54	0 24	18 38	0 8	11 39	17 30	22 58	23 0	0 42	11 52	0 5
T 8	3 45	20 14	2 16	6 2	1 15	16 1	3 2	18 4	1 14	22 5	0 39	4 56	2 18	14 54	0 24	18 38	0 8	11 40	17 31	22 58	23 0	0 45	11 51	0 4
F 9	3 21	22 7	1 15	6 42	1 22	15 57	2 55	17 54	1 14	22 6	0 39	4 58	2 18	14 53	0 24	18 37	0 8	11 41	17 31	22 58	23 0	0 47	11 50	0 4
S 10	2 58	22 57	0 8	7 20	1 30	15 51	2 47	17 43	1 14	22 6	0 39	5 1	2 18	14 53	0 24	18 37	0 8	11 41	17 31	22 58	22 59	0 50	11 49	0 4
S 11	2 34	22 33	1s 0	7 58	1 37	15 46	2 40	17 33	1 15	22 6	0 39	5 4	2 18	14 53	0 24	18 36	0 8	11 42	17 31	22 58	22 59	0 53	11 48	0 4
M12	2 11	20 52	2 7	8 35	1 44	15 40	2 32	17 22	1 15	22 7	0 39	5 6	2 18	14 52	0 24	18 36	0 8	11 42	17 31	22 58	22 59	0 55	11 47	0 4
T 13	1 47	17 55	3 9	9 12	1 52	15 33	2 25	17 11	1 16	22 7	0 39	5 9	2 18	14 52	0 24	18 35	0 8	11 43	17 31	22 57	22 58	0 58	11 47	0 4
W14	1 24	13 47	4 2	9 47	1 59	15 26	2 18	17 0	1 16	22 7	0 39	5 12	2 18	14 51	0 24	18 35	0 8	11 43	17 31	22 57	22 58	1 0	11 46	0 4
T 15	1 0	8 44	4 40	10 22	2 6	15 18	2 11	16 49	1 16	22 8	0 39	5 14	2 18	14 51	0 24	18 35	0 8	11 44	17 31	22 56	22 58	1 3	11 45	0 4
F 16	0 37	3 3	4 59	10 56	2 12	15 10	2 3	16 38	1 17	22 8	0 39	5 17	2 18	14 50	0 24	18 34	0 8	11 44	17 31	22 55	22 58	1 6	11 44	0 4
S 17	0 13	2s53	4 57	11 29	2 19	15 1	1 56	16 27	1 17	22 8	0 39	5 20	2 17	14 50	0 24	18 34	0 8	11 45	17 31	22 54	22 57	1 8	11 43	0 4
S 18	0s11	8 38	4 34	12 1	2 25	14 52	1 49	16 16	1 18	22 8	0 39	5 22	2 17	14 49	0 24	18 34	0 8	11 45	17 31	22 53	22 57	1 11	11 42	0 4
M19	0 34	13 47	3 52	12 31	2 31	14 42	1 42	16 4	1 18	22 9	0 39	5 25	2 17	14 49	0 24	18 33	0 8	11 46	17 32	22 52	22 57	1 13	11 41	0 4
T 20	0 58	17 58	2 56	13 1	2 37	14 32	1 36	15 53	1 18	22 9	0 39	5 28	2 17	14 48	0 24	18 33	0 8	11 46	17 32	22 51	22 56	1 16	11 40	0 3
W21	1 22	20 56	1 49	13 29	2 43	14 22	1 29	15 41	1 19	22 9	0 39	5 31	2 17	14 47	0 24	18 32	0 8	11 46	17 32	22 51	22 56	1 19	11 39	0 3
T 22	1 46	22 33	0 39	13 56	2 48	14 10	1 22	15 30	1 19	22 9	0 39	5 33	2 17	14 47	0 24	18 32	0 8	11 47	17 32	22 51	22 56	1 21	11 38	0 3
F 23	2 9	22 48	0n32	14 22	2 53	13 59	1 16	15 18	1 20	22 9	0 39	5 36	2 17	14 46	0 24	18 32	0 8	11 47	17 32	22 51	22 55	1 24	11 37	0 3
S 24	2 33	21 48	1 39	14 46	2 57	13 47	1 9	15 6	1 20	22 9	0 39	5 39	2 17	14 46	0 24	18 31	0 8	11 48	17 32	22 51	22 55	1 26	11 36	0 3
S 25	2 57	19 44	2 39	15 8	3 1	13 34	1 3	14 55	1 20	22 9	0 39	5 41	2 17	14 45	0 24	18 31	0 8	11 48	17 32	22 51	22 55	1 29	11 35	0 3
M26	3 20	16 49	3 30	15 28	3 5	13 21	0 56	14 43	1 21	22 9	0 39	5 44	2 17	14 44	0 24	18 31	0 8	11 49	17 32	22 51	22 55	1 31	11 34	0 3
T 27	3 44	13 13	4 11	15 47	3 8	13 7	0 50	14 31	1 21	22 9	0 39	5 47	2 17	14 44	0 24	18 30	0 8	11 49	17 32	22 50	22 54	1 34	11 33	0 3
W28	4 7	9 8	4 41	16 3	3 10	12 53	0 44	14 19	1 22	22 9	0 39	5 50	2 17	14 43	0 24	18 30	0 8	11 50	17 32	22 49	22 54	1 37	11 32	0 3
T 29	4 31	4 44	4 58	16 17	3 12	12 38	0 38	14 7	1 22	22 9	0 39	5 52	2 17	14 42	0 24	18 30	0 8	11 50	17 32	22 48	22 54	1 39	11 31	0 3
F 30	4s54	0s11	5n 2	16s29	3s13	12n23	0s32	13n55	1n22	22n 9	0s39	5s55	2n17	14n42	0s24	18n30	0n 8	11s51	17s32	22s47	22s53	1n42	11n30	0n 3

Julian Day Number = 2122710.5, Delta T = 17m43s
Ecliptic obliquity = 23°33'20, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°11'20, Lahiri = 11°18'21 Julian Calendar 1 Sept. 1099 == Greg. Calendar 7 Sept. 1099

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1099
geocentric

OCTOBER 1099 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 0 51	13♎20'22	29♓44	6♏ 2	27♌ 5	27♌28	15°R52	20♎35	10°R35	8♌ 1	10°R42	15°R31	16♐39	22♓35	29°R45	S 1
S 2	1 4 48	14°20'04	11♈40	6°22	28° 7	28° 5	15♊52	20°42	10♉33	8° 2	10♈41	15♐19	16°36	22°41	29♈42	S 2
M 3	1 8 45	15°19'49	23°39	6°35	29°10	28°41	15°51	20°49	10°31	8° 3	10°40	15° 8	16°33	22°48	29°39	M 3
T 4	1 12 41	16°19'36	5♉44	6°R42	0♍12	29°18	15°50	20°56	10°29	8° 4	10°38	14°59	16°30	22°55	29°36	T 4
W 5	1 16 38	17°19'25	17°56	6°40	1°15	29°54	15°49	21° 3	10°26	8° 5	10°37	14°53	16°26	23° 2	29°33	W 5
T 6	1 20 34	18°19'16	0♊16	6°30	2°19	0♍30	15°47	21°11	10°24	8° 6	10°36	14°50	16°23	23° 8	29°31	T 6
F 7	1 24 31	19°19'09	12°47	6°11	3°22	1° 6	15°46	21°18	10°22	8° 7	10°35	14°D49	16°20	23°15	29°28	F 7
S 8	1 28 27	20°19'05	25°32	5°43	4°27	1°42	15°44	21°25	10°20	8° 8	10°34	14°49	16°17	23°22	29°25	S 8
S 9	1 32 24	21°19'02	8♋33	5° 6	5°31	2°19	15°42	21°32	10°17	8° 9	10°33	14°50	16°14	23°28	29°22	S 9
M10	1 36 20	22°19'02	21°55	4°20	6°36	2°55	15°40	21°39	10°15	8°10	10°32	14°R51	16°10	23°35	29°19	M10
T 11	1 40 17	23°19'04	5♌40	3°25	7°41	3°31	15°37	21°47	10°13	8°11	10°31	14°50	16° 7	23°42	29°16	T 11
W12	1 44 14	24°19'09	19°48	2°22	8°46	4° 7	15°35	21°54	10°10	8°12	10°29	14°47	16° 4	23°49	29°13	W12
T 13	1 48 10	25°19'15	4♍20	1°12	9°51	4°43	15°32	22° 1	10° 8	8°13	10°28	14°42	16° 1	23°55	29°10	T 13
F 14	1 52 7	26°19'24	19°10	29♎57	10°57	5°19	15°29	22° 8	10° 5	8°13	10°27	14°36	15°58	24° 2	29° 7	F 14
S 15	1 56 3	27°19'35	4♎13	28°40	12° 3	5°55	15°26	22°15	10° 3	8°14	10°26	14°28	15°55	24° 9	29° 4	S 15
S 16	2 0 0	28°19'47	19°19	27°21	13°10	6°30	15°22	22°23	10° 1	8°15	10°25	14°21	15°51	24°15	29° 1	S 16
M17	2 3 56	29°20'02	4♏18	26° 5	14°16	7° 6	15°19	22°30	9°58	8°15	10°24	14°15	15°48	24°22	28°58	M17
T 18	2 7 53	0♏20'19	19° 1	24°52	15°23	7°42	15°15	22°37	9°56	8°16	10°23	14°10	15°45	24°29	28°55	T 18
W19	2 11 49	1°20'37	3♐21	23°47	16°30	8°18	15°11	22°44	9°53	8°17	10°22	14° 8	15°42	24°36	28°52	W19
T 20	2 15 46	2°20'57	17°15	22°49	17°37	8°53	15° 7	22°51	9°51	8°17	10°21	14°D 7	15°39	24°42	28°49	T 20
F 21	2 19 42	3°21'18	0♑41	22° 2	18°45	9°29	15° 2	22°58	9°48	8°18	10°20	14° 8	15°36	24°49	28°46	F 21
S 22	2 23 39	4°21'41	13°41	21°25	19°53	10° 4	14°58	23° 6	9°46	8°18	10°19	14°10	15°32	24°56	28°43	S 22
S 23	2 27 36	5°22'06	26°18	21° 1	21° 0	10°40	14°53	23°13	9°43	8°19	10°18	14°11	15°29	25° 3	28°40	S 23
M24	2 31 32	6°22'31	8♒37	20°47	22° 9	11°15	14°48	23°20	9°41	8°19	10°17	14°R12	15°26	25° 9	28°37	M24
T 25	2 35 29	7°22'59	20°42	20°D46	23°17	11°51	14°43	23°27	9°38	8°19	10°16	14°11	15°23	25°16	28°34	T 25
W26	2 39 25	8°23'27	2♓39	20°55	24°25	12°26	14°38	23°34	9°36	8°20	10°15	14° 8	15°20	25°23	28°31	W26
T 27	2 43 22	9°23'57	14°31	21°15	25°34	13° 1	14°33	23°41	9°33	8°20	10°14	14° 3	15°16	25°29	28°28	T 27
F 28	2 47 18	10°24'28	26°23	21°44	26°43	13°36	14°27	23°48	9°31	8°20	10°13	13°58	15°13	25°36	28°25	F 28
S 29	2 51 15	11°25'01	8♈18	22°21	27°52	14°12	14°21	23°55	9°28	8°21	10°12	13°52	15°10	25°43	28°22	S 29
S 30	2 55 11	12°25'35	20°18	23° 6	29° 1	14°47	14°16	24° 2	9°26	8°21	10°11	13°46	15° 7	25°50	28°19	S 30
M31	2 59 8	13♏26'10	2♉26	23♎58	0♎11	15♍22	14♊10	24♎ 9	9♉23	8♌21	10♈10	13♐41	15♐ 4	25♓56	28♈16	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s17	4n23	4n53	16s37	3s12	12n 8	0s26	13n42	1n23	22n 9	0s39	5s58	2n17	14n41	0s24	18n29	0n 8	11s51	17s32	22s46	22s53	1n44	11n29	0n 3
S 2	5 41	8 48	4 32	16 43	3 11	11 52	0 20	13 30	1 23	22 9	0 39	6 1	2 17	14 40	0 24	18 29	0 8	11 51	17 32	22 45	22 53	1 47	11 28	0 3
M 3	6 4	12 54	3 58	16 45	3 9	11 36	0 15	13 18	1 24	22 9	0 39	6 3	2 17	14 40	0 24	18 29	0 8	11 52	17 32	22 43	22 52	1 49	11 27	0 2
T 4	6 27	16 32	3 13	16 44	3 6	11 19	0 9	13 5	1 24	22 9	0 39	6 6	2 17	14 39	0 24	18 28	0 8	11 52	17 32	22 42	22 52	1 52	11 25	0 2
W 5	6 50	19 28	2 19	16 39	3 1	11 1	0 4	12 53	1 24	22 9	0 39	6 9	2 17	14 38	0 24	18 28	0 8	11 53	17 32	22 42	22 52	1 55	11 24	0 2
T 6	7 13	21 34	1 17	16 30	2 55	10 44	0n 2	12 40	1 25	22 9	0 39	6 11	2 17	14 38	0 24	18 28	0 9	11 53	17 31	22 41	22 51	1 57	11 23	0 2
F 7	7 36	22 37	0 11	16 16	2 47	10 25	0 7	12 28	1 25	22 9	0 39	6 14	2 17	14 37	0 24	18 28	0 9	11 53	17 31	22 41	22 51	2 0	11 22	0 2
S 8	7 59	22 32	0s57	15 58	2 38	10 7	0 12	12 15	1 26	22 9	0 39	6 17	2 17	14 36	0 24	18 27	0 9	11 54	17 31	22 41	22 51	2 2	11 21	0 2
S 9	8 21	21 13	2 4	15 35	2 27	9 48	0 17	12 2	1 26	22 8	0 39	6 20	2 17	14 36	0 24	18 27	0 9	11 54	17 31	22 41	22 50	2 5	11 20	0 2
M10	8 44	18 42	3 6	15 7	2 14	9 29	0 22	11 50	1 26	22 8	0 39	6 22	2 17	14 35	0 24	18 27	0 9	11 54	17 31	22 41	22 50	2 7	11 19	0 2
T 11	9 6	15 5	3 59	14 35	1 59	9 9	0 27	11 37	1 27	22 8	0 39	6 25	2 17	14 34	0 24	18 27	0 9	11 55	17 31	22 41	22 50	2 10	11 18	0 2
W12	9 28	10 32	4 39	13 57	1 43	8 49	0 32	11 24	1 27	22 8	0 39	6 28	2 17	14 33	0 24	18 27	0 9	11 55	17 31	22 41	22 49	2 13	11 16	0 2
T 13	9 50	5 16	5 2	13 16	1 25	8 28	0 36	11 11	1 28	22 7	0 39	6 30	2 17	14 33	0 24	18 26	0 9	11 55	17 31	22 40	22 49	2 15	11 15	0 2
F 14	10 12	0s23	5 6	12 32	1 6	8 7	0 41	10 58	1 28	22 7	0 39	6 33	2 17	14 32	0 24	18 26	0 9	11 56	17 31	22 40	22 49	2 18	11 14	0 2
S 15	10 34	6 6	4 50	11 46	0 46	7 46	0 45	10 45	1 28	22 7	0 39	6 36	2 17	14 31	0 24	18 26	0 9	11 56	17 31	22 39	22 48	2 20	11 13	0 1
S 16	10 56	11 29	4 12	10 58	0 25	7 24	0 49	10 32	1 29	22 6	0 39	6 38	2 17	14 30	0 24	18 26	0 9	11 56	17 31	22 38	22 48	2 23	11 12	0 1
M17	11 17	16 7	3 18	10 11	0 4	7 3	0 54	10 19	1 29	22 6	0 39	6 41	2 17	14 29	0 24	18 26	0 9	11 57	17 30	22 37	22 48	2 25	11 11	0 1
T 18	11 39	19 40	2 12	9 26	0n16	6 40	0 58	10 6	1 30	22 6	0 39	6 44	2 17	14 29	0 24	18 26	0 9	11 57	17 30	22 37	22 47	2 28	11 10	0 1
W19	12 0	21 53	0 58	8 43	0 36	6 18	1 2	9 53	1 30	22 5	0 39	6 46	2 17	14 28	0 24	18 25	0 9	11 57	17 30	22 36	22 47	2 30	11 8	0 1
T 20	12 21	22 40	0n17	8 5	0 54	5 55	1 5	9 40	1 30	22 5	0 39	6 49	2 17	14 27	0 24	18 25	0 9	11 58	17 30	22 36	22 47	2 33	11 7	0 1
F 21	12 42	22 5	1 29	7 32	1 11	5 32	1 9	9 27	1 31	22 4	0 39	6 51	2 17	14 26	0 24	18 25	0 9	11 58	17 30	22 36	22 46	2 35	11 6	0 1
S 22	13 2	20 18	2 34	7 4	1 26	5 8	1 13	9 14	1 31	22 4	0 39	6 54	2 17	14 26	0 24	18 25	0 9	11 58	17 30	22 37	22 46	2 38	11 5	0 1
S 23	13 22	17 34	3 29	6 42	1 39	4 45	1 16	9 1	1 31	22 3	0 38	6 57	2 17	14 25	0 24	18 25	0 9	11 58	17 30	22 37	22 46	2 41	11 4	0 1
M24	13 43	14 7	4 13	6 27	1 50	4 21	1 20	8 48	1 32	22 3	0 38	6 59	2 17	14 24	0 24	18 25	0 9	11 59	17 29	22 37	22 45	2 43	11 3	0 1
T 25	14 3	10 9	4 46	6 18	2 0	3 57	1 23	8 34	1 32	22 2	0 38	7 2	2 17	14 23	0 24	18 25	0 9	11 59	17 29	22 37	22 45	2 46	11 2	0 1
W26	14 22	5 50	5 5	6 14	2 8	3 32	1 26	8 21	1 33	22 2	0 38	7 4	2 17	14 22	0 24	18 25	0 9	11 59	17 29	22 36	22 45	2 48	11 0	0 0
T 27	14 42	1 20	5 11	6 16	2 14	3 8	1 29	8 8	1 33	22 1	0 38	7 7	2 17	14 22	0 24	18 25	0 9	11 59	17 29	22 36	22 44	2 51	10 59	0 0
F 28	15 1	3n12	5 4	6 23	2 18	2 43	1 32	7 55	1 33	22 1	0 38	7 9	2 17	14 21	0 24	18 25	0 9	11 59	17 29	22 35	22 44	2 53	10 58	0 0
S 29	15 20	7 39	4 44	6 34	2 21	2 18	1 35	7 41	1 34	22 0	0 38	7 12	2 17	14 20	0 24	18 25	0 9	12 0	17 28	22 35	22 44	2 56	10 57	0 0
S 30	15 38	11 50	4 11	6 49	2 22	1 53	1 37	7 28	1 34	21 59	0 38	7 14	2 17	14 19	0 24	18 25	0 9	12 0	17 28	22 34	22 43	2 58	10 56	0 0
M31	15s57	15n36	3n26	7s 8	2n23	1n27	1n40	7n15	1n34	21n59	0s38	7s17	2n17	14n19	0s24	18n24	0n 9	12s 0	17s28	22s33	22s43	3n 1	10n55	0n 0

Julian Day Number = 2122740.5, Delta T = 17m43s
Ecliptic obliquity = 23°33'20, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°11'24, Lahiri = 11°18'25 Julian Calendar 1 Oct. 1099 == Greg. Calendar 7 Oct. 1099

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1099
geocentric

NOVEMBER 1099 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 3 5	14♏26'48	14♉42	24♎56	1♎20	15♍57	14°R 4	24♎16	9°R21	8♌21	10°R 9	13°R36	15♐ 1	26♓ 3	28°R14	T 1
W 2	3 7 1	15°27'26	27° 8	25°59	2°30	16°32	13♊57	24°23	9♉18	8°21	10♈ 8	13♐34	14°57	26°10	28♈11	W 2
T 3	3 10 58	16°28'06	9♊45	27° 7	3°40	17° 7	13°51	24°30	9°16	8°21	10° 7	13°D33	14°54	26°16	28° 8	T 3
F 4	3 14 54	17°28'48	22°34	28°18	4°50	17°41	13°44	24°36	9°13	8°21	10° 6	13°33	14°51	26°23	28° 5	F 4
S 5	3 18 51	18°29'31	5♋34	29°33	6° 0	18°16	13°38	24°43	9°11	8°R21	10° 5	13°34	14°48	26°30	28° 2	S 5
S 6	3 22 47	19°30'16	18°49	0♏50	7°10	18°51	13°31	24°50	9° 8	8°21	10° 4	13°36	14°45	26°37	28° 0	S 6
M 7	3 26 44	20°31'02	2♌18	2°11	8°21	19°25	13°24	24°57	9° 6	8°21	10° 4	13°37	14°42	26°43	27°57	M 7
T 8	3 30 40	21°31'50	16° 2	3°33	9°32	20° 0	13°17	25° 4	9° 4	8°21	10° 3	13°R38	14°38	26°50	27°54	T 8
W 9	3 34 37	22°32'40	0♍ 2	4°56	10°42	20°35	13°10	25°10	9° 1	8°21	10° 2	13°38	14°35	26°57	27°51	W 9
T 10	3 38 34	23°33'31	14°18	6°22	11°53	21° 9	13° 2	25°17	8°59	8°21	10° 1	13°37	14°32	27° 4	27°49	T 10
F 11	3 42 30	24°34'23	28°45	7°48	13° 4	21°43	12°55	25°24	8°56	8°21	10° 0	13°35	14°29	27°10	27°46	F 11
S 12	3 46 27	25°35'17	13♎22	9°16	14°15	22°18	12°48	25°30	8°54	8°21	10° 0	13°33	14°26	27°17	27°44	S 12
S 13	3 50 23	26°36'13	28° 1	10°44	15°27	22°52	12°40	25°37	8°52	8°20	9°59	13°30	14°22	27°24	27°41	S 13
M14	3 54 20	27°37'09	12♏37	12°13	16°38	23°26	12°32	25°43	8°49	8°20	9°58	13°28	14°19	27°30	27°39	M14
T 15	3 58 16	28°38'07	27° 3	13°43	17°50	24° 0	12°25	25°50	8°47	8°20	9°57	13°27	14°16	27°37	27°36	T 15
W16	4 2 13	29°39'06	11♐12	15°14	19° 1	24°34	12°17	25°56	8°45	8°19	9°57	13°D26	14°13	27°44	27°34	W16
T 17	4 6 9	0♐40'06	25° 1	16°44	20°13	25° 8	12° 9	26° 2	8°42	8°19	9°56	13°26	14°10	27°51	27°31	T 17
F 18	4 10 6	1°41'07	8♑27	18°15	21°25	25°42	12° 1	26° 9	8°40	8°19	9°55	13°27	14° 7	27°57	27°29	F 18
S 19	4 14 3	2°42'09	21°31	19°47	22°37	26°16	11°53	26°15	8°38	8°18	9°55	13°28	14° 3	28° 4	27°27	S 19
S 20	4 17 59	3°43'11	4♒13	21°19	23°49	26°50	11°45	26°21	8°36	8°18	9°54	13°29	14° 0	28°11	27°24	S 20
M21	4 21 56	4°44'14	16°36	22°51	25° 1	27°23	11°37	26°27	8°33	8°17	9°53	13°30	13°57	28°17	27°22	M21
T 22	4 25 52	5°45'17	28°45	24°23	26°13	27°57	11°29	26°34	8°31	8°17	9°53	13°31	13°54	28°24	27°20	T 22
W23	4 29 49	6°46'21	10♓43	25°55	27°25	28°30	11°21	26°40	8°29	8°16	9°52	13°R31	13°51	28°31	27°18	W23
T 24	4 33 45	7°47'26	22°36	27°27	28°37	29° 4	11°13	26°46	8°27	8°15	9°52	13°30	13°47	28°38	27°16	T 24
F 25	4 37 42	8°48'31	4♈28	29° 0	29°50	29°37	11° 5	26°52	8°25	8°15	9°51	13°30	13°44	28°44	27°13	F 25
S 26	4 41 38	9°49'36	16°24	0♐33	1♏ 2	0♎10	10°56	26°58	8°23	8°14	9°51	13°29	13°41	28°51	27°11	S 26
S 27	4 45 35	10°50'42	28°28	2° 6	2°15	0°43	10°48	27° 4	8°21	8°13	9°50	13°29	13°38	28°58	27° 9	S 27
M28	4 49 32	11°51'48	10♉42	3°39	3°28	1°16	10°40	27° 9	8°19	8°12	9°50	13°29	13°35	29° 4	27° 8	M28
T 29	4 53 28	12°52'55	23° 9	5°12	4°40	1°49	10°32	27°15	8°17	8°12	9°49	13°29	13°32	29°11	27° 6	T 29
W30	4 57 25	13♐54'02	5♊51	6♐45	5♏53	2♎22	10♊24	27♎21	8♉15	8♌11	9♈49	13°D29	13♐28	29♓18	27♈ 4	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	16s15	18n44	2n31	7s30	2n22	1n 2	1n42	7n 2	1n35	21n58	0s38	7s19	2n17	14n18	0s24	18n24	0n 9	12s 0	17s28	22s33	22s42	3n 3	10n54	0s 0	T 1
W 2	16 33	21 3	1 29	7 54	2 20	0 36	1 45	6 48	1 35	21 57	0 38	7 22	2 17	14 17	0 24	18 24	0 9	12 0	17 28	22 32	22 42	3 6	10 53	0 0	W 2
T 3	16 51	22 22	0 21	8 21	2 18	0 10	1 47	6 35	1 36	21 57	0 38	7 24	2 17	14 16	0 24	18 24	0 9	12 0	17 27	22 32	22 42	3 8	10 51	0 0	T 3
F 4	17 8	22 31	0s49	8 50	2 15	0s16	1 49	6 22	1 36	21 56	0 38	7 27	2 18	14 15	0 24	18 24	0 9	12 1	17 27	22 32	22 41	3 11	10 50	0 0	F 4
S 5	17 25	21 28	1 58	9 20	2 11	0 42	1 51	6 8	1 36	21 55	0 38	7 29	2 18	14 15	0 24	18 24	0 9	12 1	17 27	22 32	22 41	3 13	10 49	0 0	S 5
S 6	17 42	19 13	3 2	9 51	2 6	1 8	1 53	5 55	1 37	21 55	0 38	7 32	2 18	14 14	0 24	18 24	0 9	12 1	17 27	22 33	22 41	3 16	10 48	0 0	S 6
M 7	17 58	15 54	3 57	10 23	2 1	1 34	1 55	5 42	1 37	21 54	0 38	7 34	2 18	14 13	0 24	18 24	0 9	12 1	17 26	22 33	22 40	3 18	10 47	0 1	M 7
T 8	18 14	11 39	4 39	10 56	1 56	2 1	1 56	5 28	1 37	21 53	0 37	7 36	2 18	14 12	0 24	18 25	0 9	12 1	17 26	22 33	22 40	3 21	10 46	0 1	T 8
W 9	18 30	6 44	5 6	11 30	1 50	2 27	1 58	5 15	1 38	21 52	0 37	7 39	2 18	14 12	0 24	18 25	0 9	12 1	17 26	22 33	22 40	3 23	10 45	0 1	W 9
T 10	18 45	1 22	5 15	12 4	1 44	2 54	1 59	5 2	1 38	21 51	0 37	7 41	2 18	14 11	0 24	18 25	0 9	12 1	17 26	22 33	22 39	3 26	10 44	0 1	T 10
F 11	19 0	4s 9	5 4	12 38	1 38	3 20	2 1	4 48	1 39	21 51	0 37	7 43	2 18	14 10	0 24	18 25	0 9	12 1	17 25	22 32	22 39	3 28	10 43	0 1	F 11
S 12	19 15	9 30	4 34	13 12	1 32	3 47	2 2	4 35	1 39	21 50	0 37	7 46	2 18	14 9	0 24	18 25	0 9	12 1	17 25	22 32	22 38	3 31	10 42	0 1	S 12
S 13	19 29	14 19	3 45	13 46	1 25	4 13	2 3	4 22	1 39	21 49	0 37	7 48	2 18	14 9	0 24	18 25	0 9	12 1	17 25	22 32	22 38	3 33	10 41	0 1	S 13
M14	19 43	18 16	2 42	14 20	1 18	4 40	2 4	4 9	1 40	21 48	0 37	7 50	2 18	14 8	0 24	18 25	0 9	12 1	17 25	22 32	22 38	3 36	10 40	0 1	M14
T 15	19 57	21 3	1 29	14 54	1 11	5 6	2 5	3 55	1 40	21 47	0 37	7 53	2 19	14 7	0 24	18 25	0 9	12 1	17 24	22 31	22 37	3 38	10 39	0 1	T 15
W16	20 10	22 26	0 12	15 27	1 4	5 33	2 6	3 42	1 40	21 46	0 37	7 55	2 19	14 6	0 24	18 25	0 9	12 1	17 24	22 31	22 37	3 41	10 38	0 1	W16
T 17	20 23	22 24	1n 4	16 0	0 57	5 59	2 6	3 29	1 41	21 45	0 37	7 57	2 19	14 6	0 24	18 25	0 9	12 1	17 24	22 31	22 37	3 43	10 37	0 1	T 17
F 18	20 36	21 3	2 14	16 33	0 50	6 26	2 7	3 16	1 41	21 44	0 36	7 59	2 19	14 5	0 24	18 25	0 9	12 1	17 23	22 31	22 36	3 46	10 36	0 1	F 18
S 19	20 48	18 36	3 16	17 5	0 43	6 52	2 7	3 3	1 42	21 43	0 36	8 1	2 19	14 4	0 24	18 26	0 9	12 1	17 23	22 32	22 36	3 48	10 35	0 2	S 19
S 20	21 0	15 19	4 6	17 36	0 36	7 18	2 8	2 50	1 42	21 42	0 36	8 3	2 19	14 4	0 24	18 26	0 9	12 1	17 23	22 32	22 35	3 51	10 34	0 2	S 20
M21	21 11	11 26	4 43	18 6	0 29	7 45	2 8	2 36	1 42	21 41	0 36	8 6	2 19	14 3	0 24	18 26	0 9	12 1	17 23	22 32	22 35	3 53	10 34	0 2	M21
T 22	21 22	7 10	5 7	18 36	0 22	8 11	2 8	2 23	1 43	21 41	0 36	8 8	2 19	14 2	0 24	18 26	0 9	12 1	17 22	22 32	22 35	3 56	10 33	0 2	T 22
W23	21 33	2 42	5 17	19 5	0 15	8 37	2 8	2 10	1 43	21 40	0 36	8 10	2 20	14 1	0 24	18 26	0 9	12 1	17 22	22 32	22 34	3 58	10 32	0 2	W23
T 24	21 43	1n50	5 13	19 34	0 8	9 3	2 8	1 57	1 43	21 39	0 36	8 12	2 20	14 1	0 24	18 26	0 9	12 1	17 22	22 32	22 34	4 1	10 31	0 2	T 24
F 25	21 53	6 19	4 56	20 1	0 1	9 28	2 8	1 44	1 44	21 38	0 36	8 14	2 20	14 0	0 24	18 27	0 9	12 1	17 21	22 32	22 34	4 3	10 30	0 2	F 25
S 26	22 2	10 34	4 26	20 28	0s 6	9 54	2 8	1 31	1 44	21 37	0 35	8 16	2 20	14 0	0 24	18 27	0 9	12 1	17 21	22 32	22 33	4 6	10 29	0 2	S 26
S 27	22 11	14 28	3 45	20 54	0 13	10 19	2 7	1 18	1 45	21 36	0 35	8 18	2 20	13 59	0 24	18 27	0 9	12 1	17 21	22 32	22 33	4 8	10 29	0 2	S 27
M28	22 19	17 49	2 52	21 18	0 20	10 44	2 7	1 6	1 45	21 34	0 35	8 20	2 20	13 58	0 24	18 27	0 9	12 0	17 20	22 32	22 32	4 11	10 28	0 2	M28
T 29	22 27	20 26	1 50	21 42	0 26	11 9	2 6	0 53	1 45	21 33	0 35	8 22	2 20	13 58	0 24	18 27	0 9	12 0	17 20	22 32	22 32	4 13	10 27	0 2	T 29
W30	22s35	22n 5	0n42	22s 5	0s33	11s34	2n 6	0n40	1n46	21n32	0s35	8s24	2n21	13n57	0s24	18n28	0n 9	12s 0	17s20	22s32	22s32	4n15	10n26	0s 2	W30

Julian Day Number = 2122771.5, Delta T = 17m43s
Ecliptic obliquity = 23°33'19, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°11'29, Lahiri = 11°18'29 Julian Calendar 1 Nov. 1099 == Greg. Calendar 7 Nov. 1099

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1099
geocentric

DECEMBER 1099 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 1 21	14♐55'10	18♊48	8♐19	7♏ 6	2♎55	10°R16	27♎26	8°R13	8°R10	9°R49	13°R29	13♐25	29♓25	27°R 2	T 1
F 2	5 5 18	15°56'19	2♋ 0	9°52	8°19	3°28	10♊ 8	27°32	8♉11	8♎ 9	9♈48	13♐28	13°22	29°31	27♈ 0	F 2
S 3	5 9 14	16°57'27	15°26	11°26	9°32	4° 0	10° 0	27°38	8°10	8° 8	9°48	13°28	13°19	29°38	26°59	S 3
S 4	5 13 11	17°58'37	29° 5	13° 0	10°45	4°33	9°52	27°43	8° 8	8° 7	9°48	13°28	13°16	29°45	26°57	S 4
M 5	5 17 8	18°59'47	12♌55	14°34	11°58	5° 5	9°44	27°48	8° 6	8° 6	9°47	13°27	13°13	29°52	26°55	M 5
T 6	5 21 4	20° 0'57	26°53	16° 9	13°11	5°38	9°36	27°54	8° 4	8° 5	9°47	13°27	13° 9	29°58	26°54	T 6
W 7	5 25 1	21° 2'08	10♍58	17°43	14°24	6°10	9°28	27°59	8° 3	8° 4	9°47	13°26	13° 6	0♈ 5	26°52	W 7
T 8	5 28 57	22° 3'19	25° 8	19°18	15°38	6°42	9°20	28° 4	8° 1	8° 3	9°46	13°D26	13° 3	0°12	26°51	T 8
F 9	5 32 54	23° 4'31	9♎20	20°54	16°51	7°14	9°12	28° 9	8° 0	8° 2	9°46	13°26	13° 0	0°18	26°50	F 9
S 10	5 36 50	24° 5'44	23°33	22°29	18° 4	7°46	9° 5	28°14	7°58	8° 1	9°46	13°27	12°57	0°25	26°48	S 10
S 11	5 40 47	25° 6'57	7♏43	24° 5	19°18	8°17	8°57	28°19	7°57	8° 0	9°46	13°28	12°53	0°32	26°47	S 11
M12	5 44 43	26° 8'10	21°49	25°41	20°31	8°49	8°49	28°24	7°55	7°59	9°46	13°29	12°50	0°39	26°46	M12
T 13	5 48 40	27° 9'24	5♐46	27°17	21°45	9°21	8°42	28°29	7°54	7°58	9°45	13°30	12°47	0°45	26°45	T 13
W14	5 52 37	28°10'38	19°32	28°54	22°58	9°52	8°35	28°34	7°52	7°57	9°45	13°R30	12°44	0°52	26°44	W14
T 15	5 56 33	29°11'51	3♑ 3	0♑31	24°12	10°23	8°28	28°39	7°51	7°55	9°45	13°29	12°41	0°59	26°43	T 15
F 16	6 0 30	0♑13'05	16°19	2° 9	25°26	10°54	8°20	28°43	7°50	7°54	9°45	13°27	12°38	1° 5	26°42	F 16
S 17	6 4 26	1°14'19	29°16	3°47	26°39	11°25	8°13	28°48	7°49	7°53	9°45	13°25	12°34	1°12	26°41	S 17
S 18	6 8 23	2°15'32	11♒57	5°25	27°53	11°56	8° 7	28°52	7°47	7°52	9°45	13°22	12°31	1°19	26°40	S 18
M19	6 12 19	3°16'44	24°21	7° 4	29° 7	12°27	8° 0	28°57	7°46	7°50	9°D45	13°19	12°28	1°26	26°39	M19
T 20	6 16 16	4°17'57	6♓31	8°43	0♐21	12°58	7°53	29° 1	7°45	7°49	9°45	13°16	12°25	1°32	26°39	T 20
W21	6 20 12	5°19'08	18°31	10°22	1°35	13°28	7°47	29° 5	7°44	7°48	9°45	13°14	12°22	1°39	26°38	W21
T 22	6 24 9	6°20'19	0♈24	12° 2	2°48	13°58	7°40	29° 9	7°43	7°46	9°45	13°13	12°19	1°46	26°37	T 22
F 23	6 28 6	7°21'30	12°16	13°42	4° 2	14°28	7°34	29°13	7°42	7°45	9°45	13°D12	12°15	1°52	26°37	F 23
S 24	6 32 2	8°22'40	24°11	15°22	5°16	14°59	7°28	29°17	7°41	7°43	9°45	13°13	12°12	1°59	26°36	S 24
S 25	6 35 59	9°23'49	6♉14	17° 3	6°30	15°28	7°22	29°21	7°41	7°42	9°46	13°15	12° 9	2° 6	26°36	S 25
M26	6 39 55	10°24'58	18°29	18°44	7°44	15°58	7°17	29°25	7°40	7°41	9°46	13°17	12° 6	2°13	26°36	M26
T 27	6 43 52	11°26'06	1♊ 2	20°25	8°58	16°28	7°11	29°29	7°39	7°39	9°46	13°18	12° 3	2°19	26°35	T 27
W28	6 47 48	12°27'13	13°54	22° 6	10°12	16°57	7° 6	29°32	7°38	7°38	9°46	13°R19	11°59	2°26	26°35	W28
T 29	6 51 45	13°28'19	27° 7	23°48	11°26	17°26	7° 0	29°36	7°38	7°36	9°46	13°18	11°56	2°33	26°35	T 29
F 30	6 55 41	14°29'25	10♋41	25°29	12°40	17°55	6°55	29°39	7°37	7°35	9°47	13°16	11°53	2°39	26°35	F 30
S 31	6 59 38	15♑30'30	24♋34	27♑10	13♐54	18♎24	6♊50	29♎43	7♉37	7♌33	9♈47	13♐12	11♐50	2♈46	26°D35	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	22s42	22n35	0s29	22s26	0s39	11s59	2n 5	0n27	1n46	21n31	0s35	8s25	2n21	13n56	0s24	18n28	0n 9	12s 0	17s19	22s32	22s31	4n18	10n26	0s 2	T 1
F 2	22 49	21 51	1 41	22 47	0 45	12 23	2 4	0 15	1 46	21 30	0 35	8 27	2 21	13 56	0 24	18 28	0 9	12 0	17 19	22 32	22 31	4 20	10 25	0 3	F 2
S 3	22 55	19 52	2 48	23 7	0 51	12 47	2 3	0 2	1 47	21 29	0 34	8 29	2 21	13 55	0 24	18 28	0 9	12 0	17 19	22 32	22 30	4 23	10 24	0 3	S 3
S 4	23 1	16 44	3 47	23 25	0 57	13 11	2 2	0s11	1 47	21 28	0 34	8 31	2 21	13 55	0 24	18 29	0 9	11 59	17 18	22 32	22 30	4 25	10 24	0 3	S 4
M 5	23 6	12 39	4 33	23 42	1 3	13 34	2 1	0 23	1 47	21 27	0 34	8 33	2 21	13 54	0 24	18 29	0 9	11 59	17 18	22 31	22 30	4 28	10 23	0 3	M 5
T 6	23 11	7 51	5 4	23 58	1 9	13 58	2 0	0 36	1 48	21 26	0 34	8 34	2 22	13 54	0 24	18 29	0 10	11 59	17 18	22 31	22 29	4 30	10 22	0 3	T 6
W 7	23 15	2 36	5 17	24 13	1 14	14 21	1 59	0 48	1 48	21 25	0 34	8 36	2 22	13 53	0 24	18 29	0 10	11 59	17 17	22 31	22 29	4 33	10 22	0 3	W 7
T 8	23 19	2s48	5 10	24 26	1 19	14 43	1 58	1 1	1 49	21 24	0 34	8 38	2 22	13 53	0 24	18 30	0 10	11 59	17 17	22 31	22 28	4 35	10 21	0 3	T 8
F 9	23 22	8 5	4 45	24 38	1 24	15 6	1 56	1 13	1 49	21 23	0 33	8 39	2 22	13 52	0 23	18 30	0 10	11 58	17 16	22 31	22 28	4 38	10 21	0 3	F 9
S 10	23 25	12 56	4 3	24 49	1 29	15 27	1 55	1 25	1 49	21 22	0 33	8 41	2 22	13 52	0 23	18 30	0 10	11 58	17 16	22 31	22 28	4 40	10 20	0 3	S 10
S 11	23 28	17 4	3 5	24 59	1 33	15 49	1 53	1 38	1 50	21 21	0 33	8 43	2 22	13 51	0 23	18 31	0 10	11 58	17 16	22 32	22 27	4 42	10 19	0 3	S 11
M12	23 30	20 11	1 57	25 7	1 38	16 10	1 52	1 50	1 50	21 20	0 33	8 44	2 23	13 51	0 23	18 31	0 10	11 58	17 15	22 32	22 27	4 45	10 19	0 3	M12
T 13	23 31	22 4	0 43	25 13	1 42	16 31	1 50	2 2	1 50	21 19	0 33	8 46	2 23	13 50	0 23	18 31	0 10	11 57	17 15	22 32	22 26	4 47	10 18	0 3	T 13
W14	23 33	22 35	0n33	25 19	1 46	16 51	1 48	2 14	1 51	21 18	0 32	8 47	2 23	13 50	0 23	18 32	0 10	11 57	17 15	22 32	22 26	4 50	10 18	0 4	W14
T 15	23 33	21 45	1 46	25 22	1 49	17 11	1 47	2 26	1 51	21 17	0 32	8 49	2 23	13 50	0 23	18 32	0 10	11 57	17 14	22 32	22 26	4 52	10 18	0 4	T 15
F 16	23 33	19 43	2 51	25 25	1 52	17 31	1 45	2 38	1 51	21 16	0 32	8 50	2 23	13 49	0 23	18 32	0 10	11 56	17 14	22 31	22 25	4 55	10 17	0 4	F 16
S 17	23 33	16 42	3 46	25 25	1 55	17 50	1 43	2 50	1 52	21 16	0 32	8 52	2 24	13 49	0 23	18 33	0 10	11 56	17 14	22 31	22 25	4 57	10 17	0 4	S 17
S 18	23 32	12 59	4 29	25 24	1 58	18 9	1 41	3 1	1 52	21 15	0 32	8 53	2 24	13 48	0 23	18 33	0 10	11 56	17 13	22 31	22 24	4 59	10 16	0 4	S 18
M19	23 31	8 47	4 58	25 22	2 0	18 27	1 39	3 13	1 52	21 14	0 32	8 54	2 24	13 48	0 23	18 33	0 10	11 55	17 13	22 30	22 24	5 2	10 16	0 4	M19
T 20	23 29	4 19	5 13	25 18	2 2	18 45	1 37	3 25	1 53	21 13	0 31	8 56	2 24	13 48	0 23	18 34	0 10	11 55	17 12	22 30	22 24	5 4	10 16	0 4	T 20
W21	23 27	0n14	5 13	25 12	2 4	19 2	1 35	3 36	1 53	21 12	0 31	8 57	2 24	13 48	0 23	18 34	0 10	11 55	17 12	22 30	22 23	5 7	10 15	0 4	W21
T 22	23 24	4 45	5 1	25 5	2 5	19 19	1 32	3 48	1 53	21 11	0 31	8 58	2 25	13 47	0 23	18 34	0 10	11 54	17 12	22 30	22 23	5 9	10 15	0 4	T 22
F 23	23 21	9 5	4 35	24 56	2 6	19 35	1 30	3 59	1 54	21 10	0 31	9 0	2 25	13 47	0 23	18 35	0 10	11 54	17 11	22 30	22 22	5 12	10 15	0 4	F 23
S 24	23 17	13 6	3 58	24 45	2 6	19 51	1 28	4 10	1 54	21 10	0 31	9 1	2 25	13 47	0 23	18 35	0 10	11 54	17 11	22 30	22 22	5 14	10 15	0 4	S 24
S 25	23 13	16 38	3 10	24 33	2 6	20 6	1 26	4 22	1 54	21 9	0 30	9 2	2 25	13 46	0 23	18 35	0 10	11 53	17 11	22 30	22 21	5 16	10 14	0 4	S 25
M26	23 9	19 32	2 12	24 18	2 5	20 20	1 23	4 33	1 55	21 8	0 30	9 3	2 26	13 46	0 23	18 36	0 10	11 53	17 10	22 30	22 21	5 19	10 14	0 4	M26
T 27	23 4	21 33	1 7	24 3	2 4	20 34	1 21	4 44	1 55	21 7	0 30	9 4	2 26	13 46	0 23	18 36	0 10	11 52	17 10	22 30	22 21	5 21	10 14	0 5	T 27
W28	22 58	22 32	0s 3	23 45	2 3	20 48	1 18	4 55	1 55	21 7	0 30	9 5	2 26	13 46	0 23	18 37	0 10	11 52	17 10	22 30	22 20	5 24	10 14	0 5	W28
T 29	22 52	22 17	1 15	23 26	2 1	21 1	1 16	5 6	1 56	21 6	0 30	9 6	2 26	13 46	0 23	18 37	0 10	11 52	17 9	22 30	22 20	5 26	10 14	0 5	T 29
F 30	22 46	20 44	2 24	23 5	1 58	21 13	1 13	5 17	1 56	21 5	0 29	9 7	2 26	13 45	0 23	18 37	0 10	11 51	17 9	22 30	22 19	5 28	10 14	0 5	F 30
S 31	22s39	17n56	3s26	22s42	1s54	21s25	1n11	5s27	1n56	21n 5	0s29	9s 8	2n27	13n45	0s23	18n38	0n10	11s51	17s 8	22s30	22s19	5n31	10n14	0s 5	S 31

Julian Day Number = 2122801.5, Delta T = 17m43s
Ecliptic obliquity = 23°33'18, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 12°11'33, Lahiri = 11°18'33 Julian Calendar 1 Dec. 1099 == Greg. Calendar 7 Dec. 1099

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]