Astrodienst Ephemeris Tables

for the year 2170

tropical geocentric zodiac

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

Programming
Dieter Koch and Alois Treindl
based on Swiss Ephemeris

Code D5EPX

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

ASTRODIENST EPHEMERIS for the year 2170
geocentric

JANUARY 2170 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 43 7	10♑36'27	14♊41	21♐32	20♑ 9	24♍25	18♍57	21♒54	24♒41	16♒29	12°R30	18°R19	17♊ 4	10♓30	4♈19	M 1
T 2	6 47 4	11°37'34	28°34	22°55	21°25	24°42	18°58	22° 0	24°44	16°31	12♋29	18♊19	17° 1	10°37	4°20	T 2
W 3	6 51 0	12°38'41	12♋49	24°19	22°40	24°58	18°R58	22° 6	24°47	16°33	12°28	18°17	16°58	10°44	4°21	W 3
T 4	6 54 57	13°39'48	27°20	25°45	23°55	25°14	18°58	22°13	24°50	16°35	12°27	18°15	16°55	10°50	4°23	T 4
F 5	6 58 54	14°40'55	12♌ 2	27°11	25°11	25°29	18°58	22°19	24°52	16°37	12°25	18°11	16°51	10°57	4°24	F 5
S 6	7 2 50	15°42'03	26°47	28°37	26°26	25°44	18°57	22°25	24°55	16°39	12°24	18° 7	16°48	11° 4	4°25	S 6
S 7	7 6 47	16°43'11	11♍27	0♑ 4	27°41	25°58	18°57	22°31	24°58	16°41	12°23	18° 3	16°45	11°11	4°26	S 7
M 8	7 10 43	17°44'18	25°57	1°32	28°57	26°12	18°56	22°38	25° 1	16°43	12°22	18° 0	16°42	11°17	4°27	M 8
T 9	7 14 40	18°45'27	10♎12	3° 1	0♒12	26°25	18°55	22°44	25° 4	16°45	12°20	17°58	16°39	11°24	4°29	T 9
W10	7 18 36	19°46'35	24°11	4°30	1°27	26°38	18°54	22°51	25° 7	16°47	12°19	17°D58	16°35	11°31	4°30	W10
T 11	7 22 33	20°47'43	7♏52	5°59	2°43	26°50	18°52	22°57	25°10	16°49	12°18	17°59	16°32	11°38	4°32	T 11
F 12	7 26 29	21°48'52	21°17	7°29	3°58	27° 2	18°51	23° 4	25°13	16°51	12°17	18° 1	16°29	11°44	4°33	F 12
S 13	7 30 26	22°50'01	4♐26	9° 0	5°13	27°13	18°49	23°10	25°16	16°53	12°16	18° 2	16°26	11°51	4°35	S 13
S 14	7 34 23	23°51'09	17°23	10°31	6°29	27°23	18°47	23°17	25°19	16°55	12°14	18°R 3	16°23	11°58	4°36	S 14
M15	7 38 19	24°52'18	0♑ 7	12° 2	7°44	27°33	18°45	23°23	25°22	16°58	12°13	18° 2	16°20	12° 4	4°38	M15
T 16	7 42 16	25°53'27	12°40	13°34	8°59	27°42	18°42	23°30	25°25	17° 0	12°12	18° 0	16°16	12°11	4°40	T 16
W17	7 46 12	26°54'35	25° 3	15° 7	10°14	27°51	18°40	23°37	25°28	17° 2	12°11	17°55	16°13	12°18	4°41	W17
T 18	7 50 9	27°55'42	7♒17	16°40	11°30	27°59	18°37	23°44	25°32	17° 4	12°10	17°48	16°10	12°25	4°43	T 18
F 19	7 54 5	28°56'49	19°23	18°13	12°45	28° 7	18°34	23°50	25°35	17° 6	12° 8	17°40	16° 7	12°31	4°45	F 19
S 20	7 58 2	29°57'56	1♓22	19°47	14° 0	28°13	18°31	23°57	25°38	17° 8	12° 7	17°32	16° 4	12°38	4°47	S 20
S 21	8 1 59	0♒59'02	13°15	21°21	15°15	28°19	18°28	24° 4	25°41	17°11	12° 6	17°24	16° 1	12°45	4°49	S 21
M22	8 5 55	2° 0'07	25° 6	22°56	16°31	28°25	18°24	24°11	25°44	17°13	12° 5	17°16	15°57	12°51	4°51	M22
T 23	8 9 52	3° 1'11	6♈58	24°32	17°46	28°29	18°21	24°18	25°48	17°15	12° 4	17°11	15°54	12°58	4°53	T 23
W24	8 13 48	4° 2'15	18°54	26° 8	19° 1	28°34	18°17	24°25	25°51	17°17	12° 3	17° 7	15°51	13° 5	4°55	W24
T 25	8 17 45	5° 3'17	0♉59	27°45	20°16	28°37	18°13	24°32	25°54	17°20	12° 1	17°D 6	15°48	13°12	4°57	T 25
F 26	8 21 41	6° 4'19	13°17	29°22	21°31	28°40	18° 9	24°39	25°58	17°22	12° 0	17° 6	15°45	13°18	4°59	F 26
S 27	8 25 38	7° 5'19	25°55	1♒ 0	22°46	28°41	18° 5	24°46	26° 1	17°24	11°59	17° 7	15°41	13°25	5° 2	S 27
S 28	8 29 34	8° 6'19	8♊56	2°38	24° 2	28°43	18° 0	24°53	26° 4	17°26	11°58	17° 8	15°38	13°32	5° 4	S 28
M29	8 33 31	9° 7'18	22°23	4°17	25°17	28°R43	17°55	25° 0	26° 8	17°29	11°57	17°R 8	15°35	13°39	5° 6	M29
T 30	8 37 28	10° 8'15	6♋20	5°57	26°32	28°43	17°51	25° 7	26°11	17°31	11°56	17° 7	15°32	13°45	5° 9	T 30
W31	8 41 24	11♒ 9'12	20♋44	7♒38	27♒47	28♍42	17♍46	25♒14	26♒14	17♒33	11♋55	17♊ 3	15♊29	13♓52	5♈11	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23s 0	22n12	0s20	22s25	0n44	22s56	1s 2	4n48	2n49	5n27	1n11	15s19	1s11	13s57	0s43	16s 0	0s 7	19n40	3s11	22n54	22n47	12s21	4n17	2n48
T 2	22 55	24 21	0n56	22 38	0 36	22 46	1 4	4 43	2 51	5 27	1 11	15 17	1 11	13 56	0 43	15 59	0 7	19 40	3 11	22 54	22 47	12 18	4 17	2 47
W 3	22 49	24 58	2 11	22 50	0 28	22 36	1 6	4 38	2 52	5 28	1 11	15 15	1 11	13 55	0 43	15 58	0 7	19 40	3 11	22 54	22 47	12 16	4 17	2 47
T 4	22 43	23 55	3 18	23 1	0 20	22 25	1 8	4 33	2 54	5 28	1 12	15 13	1 11	13 54	0 43	15 58	0 7	19 40	3 11	22 54	22 46	12 14	4 17	2 47
F 5	22 37	21 13	4 13	23 11	0 12	22 13	1 9	4 28	2 55	5 28	1 12	15 11	1 11	13 53	0 43	15 57	0 7	19 40	3 11	22 54	22 46	12 11	4 18	2 47
S 6	22 30	17 8	4 52	23 20	0 4	22 0	1 11	4 24	2 57	5 29	1 12	15 8	1 11	13 52	0 43	15 57	0 7	19 41	3 11	22 53	22 46	12 9	4 18	2 46
S 7	22 22	12 3	5 11	23 28	0s 3	21 47	1 12	4 20	2 58	5 29	1 13	15 6	1 11	13 51	0 43	15 56	0 7	19 41	3 10	22 53	22 46	12 6	4 18	2 46
M 8	22 15	6 21	5 10	23 35	0 11	21 33	1 14	4 15	3 0	5 30	1 13	15 4	1 11	13 50	0 43	15 56	0 7	19 41	3 10	22 53	22 45	12 4	4 19	2 46
T 9	22 6	0 24	4 50	23 41	0 18	21 19	1 15	4 12	3 1	5 30	1 13	15 2	1 11	13 49	0 43	15 55	0 7	19 41	3 10	22 52	22 45	12 1	4 19	2 46
W10	21 58	5s27	4 13	23 45	0 25	21 4	1 17	4 8	3 3	5 31	1 13	15 0	1 11	13 48	0 42	15 54	0 7	19 41	3 10	22 52	22 45	11 59	4 19	2 46
T 11	21 49	10 56	3 22	23 49	0 32	20 48	1 18	4 5	3 4	5 32	1 14	14 58	1 11	13 47	0 42	15 54	0 7	19 42	3 10	22 53	22 44	11 56	4 20	2 45
F 12	21 39	15 48	2 21	23 51	0 39	20 32	1 19	4 2	3 6	5 33	1 14	14 56	1 11	13 46	0 42	15 53	0 7	19 42	3 10	22 53	22 44	11 54	4 20	2 45
S 13	21 29	19 48	1 14	23 52	0 45	20 15	1 20	3 59	3 8	5 34	1 14	14 54	1 11	13 45	0 42	15 52	0 7	19 42	3 10	22 53	22 44	11 51	4 20	2 45
S 14	21 19	22 45	0 4	23 51	0 52	19 57	1 22	3 56	3 9	5 35	1 14	14 52	1 11	13 44	0 42	15 52	0 7	19 42	3 10	22 53	22 43	11 48	4 21	2 45
M15	21 8	24 30	1s 5	23 50	0 58	19 39	1 23	3 53	3 11	5 36	1 15	14 49	1 11	13 43	0 42	15 51	0 7	19 42	3 10	22 53	22 43	11 46	4 21	2 45
T 16	20 57	24 58	2 10	23 47	1 4	19 20	1 24	3 51	3 12	5 37	1 15	14 47	1 11	13 42	0 42	15 50	0 7	19 42	3 10	22 53	22 43	11 43	4 22	2 44
W17	20 45	24 10	3 7	23 43	1 9	19 1	1 25	3 49	3 14	5 38	1 15	14 45	1 11	13 41	0 42	15 50	0 7	19 43	3 10	22 52	22 42	11 41	4 22	2 44
T 18	20 33	22 13	3 55	23 37	1 15	18 41	1 26	3 48	3 16	5 39	1 16	14 43	1 11	13 40	0 42	15 49	0 7	19 43	3 10	22 52	22 42	11 38	4 23	2 44
F 19	20 21	19 18	4 32	23 30	1 20	18 21	1 26	3 46	3 17	5 41	1 16	14 41	1 11	13 39	0 42	15 49	0 7	19 43	3 10	22 51	22 42	11 36	4 23	2 44
S 20	20 8	15 35	4 56	23 22	1 25	18 0	1 27	3 45	3 19	5 42	1 16	14 38	1 11	13 38	0 42	15 48	0 7	19 43	3 10	22 50	22 41	11 33	4 24	2 44
S 21	19 55	11 18	5 7	23 12	1 30	17 39	1 28	3 44	3 21	5 44	1 16	14 36	1 11	13 37	0 42	15 47	0 7	19 43	3 9	22 49	22 41	11 31	4 25	2 43
M22	19 42	6 37	5 5	23 1	1 35	17 17	1 29	3 43	3 22	5 45	1 17	14 34	1 11	13 36	0 42	15 47	0 7	19 44	3 9	22 49	22 41	11 28	4 25	2 43
T 23	19 28	1 41	4 50	22 49	1 39	16 55	1 29	3 43	3 24	5 47	1 17	14 31	1 11	13 34	0 42	15 46	0 7	19 44	3 9	22 48	22 40	11 26	4 26	2 43
W24	19 14	3n21	4 22	22 35	1 43	16 32	1 30	3 43	3 26	5 49	1 17	14 29	1 11	13 33	0 42	15 45	0 7	19 44	3 9	22 48	22 40	11 23	4 27	2 43
T 25	18 59	8 19	3 43	22 20	1 47	16 9	1 30	3 43	3 27	5 50	1 17	14 27	1 11	13 32	0 42	15 45	0 7	19 44	3 9	22 48	22 40	11 21	4 27	2 43
F 26	18 44	13 5	2 52	22 3	1 50	15 45	1 31	3 44	3 29	5 52	1 18	14 25	1 11	13 31	0 42	15 44	0 7	19 44	3 9	22 48	22 39	11 18	4 28	2 42
S 27	18 29	17 24	1 52	21 45	1 53	15 21	1 31	3 44	3 30	5 54	1 18	14 22	1 11	13 30	0 42	15 43	0 7	19 44	3 9	22 48	22 39	11 15	4 29	2 42
S 28	18 13	21 3	0 44	21 26	1 56	14 56	1 31	3 45	3 32	5 56	1 18	14 20	1 11	13 29	0 42	15 43	0 7	19 45	3 9	22 48	22 39	11 13	4 29	2 42
M29	17 58	23 40	0n28	21 5	1 58	14 31	1 32	3 47	3 34	5 58	1 18	14 18	1 11	13 28	0 42	15 42	0 7	19 45	3 9	22 48	22 38	11 10	4 30	2 42
T 30	17 41	24 57	1 41	20 43	2 0	14 6	1 32	3 48	3 35	6 0	1 19	14 15	1 11	13 26	0 42	15 41	0 7	19 45	3 9	22 48	22 38	11 8	4 31	2 42
W31	17s25	24n37	2n50	20s19	2s 2	13s40	1s32	3n50	3n37	6n 3	1n19	14s13	1s11	13s25	0s42	15s41	0s 7	19n45	3s 9	22n47	22n38	11s 5	4n32	2n41

Julian Day Number = 2513636.5, Delta T = 136.46 sec
Ecliptic obliquity = 23°25'03, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°06'57, Lahiri = 26°13'58

ASTRODIENST EPHEMERIS for the year 2170
geocentric

FEBRUARY 2170 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 45 21	12♒10'07	5♌32	9♒19	29♒ 2	28°R40	17°R40	25♒21	26♒18	17♒35	11°R54	16°R56	15♊26	13♓59	5♈13	T 1
F 2	8 49 17	13°11'02	20°36	11° 0	0♓17	28♍38	17♍35	25°28	26°21	17°38	11♋53	16♊48	15°22	14° 5	5°16	F 2
S 3	8 53 14	14°11'55	5♍47	12°43	1°32	28°34	17°30	25°35	26°25	17°40	11°52	16°39	15°19	14°12	5°18	S 3
S 4	8 57 10	15°12'48	20°53	14°26	2°47	28°30	17°24	25°43	26°28	17°42	11°51	16°30	15°16	14°19	5°21	S 4
M 5	9 1 7	16°13'39	5♎46	16°10	4° 2	28°25	17°18	25°50	26°31	17°44	11°50	16°22	15°13	14°26	5°23	M 5
T 6	9 5 3	17°14'30	20°19	17°54	5°17	28°20	17°12	25°57	26°35	17°47	11°49	16°17	15°10	14°32	5°26	T 6
W 7	9 9 0	18°15'20	4♏27	19°39	6°32	28°13	17° 6	26° 4	26°38	17°49	11°48	16°14	15° 6	14°39	5°29	W 7
T 8	9 12 57	19°16'09	18° 9	21°25	7°46	28° 6	17° 0	26°11	26°42	17°51	11°47	16°D13	15° 3	14°46	5°31	T 8
F 9	9 16 53	20°16'58	1♐29	23°12	9° 1	27°58	16°54	26°19	26°45	17°54	11°46	16°13	15° 0	14°53	5°34	F 9
S 10	9 20 50	21°17'45	14°27	24°59	10°16	27°49	16°48	26°26	26°49	17°56	11°45	16°R14	14°57	14°59	5°37	S 10
S 11	9 24 46	22°18'32	27° 9	26°47	11°31	27°39	16°41	26°33	26°52	17°58	11°44	16°13	14°54	15° 6	5°40	S 11
M12	9 28 43	23°19'18	9♑37	28°35	12°46	27°29	16°35	26°40	26°56	18° 0	11°43	16°11	14°51	15°13	5°43	M12
T 13	9 32 39	24°20'02	21°54	0♓24	14° 1	27°18	16°28	26°48	26°59	18° 3	11°42	16° 5	14°47	15°19	5°46	T 13
W14	9 36 36	25°20'46	4♒ 3	2°13	15°15	27° 6	16°21	26°55	27° 2	18° 5	11°42	15°57	14°44	15°26	5°48	W14
T 15	9 40 32	26°21'28	16° 6	4° 3	16°30	26°53	16°14	27° 2	27° 6	18° 7	11°41	15°46	14°41	15°33	5°51	T 15
F 16	9 44 29	27°22'08	28° 4	5°52	17°45	26°40	16° 7	27° 9	27° 9	18°10	11°40	15°33	14°38	15°40	5°54	F 16
S 17	9 48 26	28°22'48	9♓59	7°42	18°59	26°25	16° 0	27°17	27°13	18°12	11°39	15°19	14°35	15°46	5°57	S 17
S 18	9 52 22	29°23'25	21°51	9°31	20°14	26°10	15°53	27°24	27°16	18°14	11°38	15° 5	14°32	15°53	6° 0	S 18
M19	9 56 19	0♓24'02	3♈42	11°21	21°29	25°55	15°45	27°31	27°20	18°16	11°37	14°52	14°28	16° 0	6° 3	M19
T 20	10 0 15	1°24'36	15°35	13° 9	22°43	25°38	15°38	27°38	27°23	18°18	11°37	14°41	14°25	16° 6	6° 7	T 20
W21	10 4 12	2°25'09	27°31	14°57	23°58	25°21	15°30	27°46	27°27	18°21	11°36	14°34	14°22	16°13	6°10	W21
T 22	10 8 8	3°25'40	9♉35	16°43	25°12	25° 3	15°23	27°53	27°30	18°23	11°35	14°29	14°19	16°20	6°13	T 22
F 23	10 12 5	4°26'10	21°51	18°28	26°27	24°45	15°15	28° 0	27°34	18°25	11°35	14°27	14°16	16°27	6°16	F 23
S 24	10 16 1	5°26'37	4♊23	20°11	27°41	24°26	15° 8	28° 7	27°37	18°27	11°34	14°D26	14°12	16°33	6°19	S 24
S 25	10 19 58	6°27'03	17°16	21°51	28°56	24° 7	15° 0	28°14	27°41	18°30	11°33	14°R26	14° 9	16°40	6°22	S 25
M26	10 23 54	7°27'27	0♋36	23°28	0♈10	23°47	14°52	28°22	27°44	18°32	11°33	14°25	14° 6	16°47	6°26	M26
T 27	10 27 51	8°27'49	14°24	25° 2	1°25	23°26	14°44	28°29	27°47	18°34	11°32	14°23	14° 3	16°54	6°29	T 27
W28	10 31 48	9♓28'09	28♋42	26♓31	2♈39	23♍ 5	14♍37	28♒36	27♒51	18♒36	11♋31	14♊18	14♊ 0	17♓ 0	6♈32	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17s 8	22n34	3n49	19s54	2s 3	13s14	1s32	3n52	3n38	6n 5	1n19	14s11	1s11	13s24	0s42	15s40	0s 7	19n45	3s 8	22n47	22n37	11s 2	4n32	2n41
F 2	16 51	18 56	4 34	19 27	2 4	12 48	1 32	3 54	3 40	6 7	1 19	14 8	1 11	13 23	0 42	15 39	0 7	19 46	3 8	22 46	22 37	11 0	4 33	2 41
S 3	16 33	14 1	4 59	18 59	2 5	12 21	1 32	3 57	3 41	6 9	1 19	14 6	1 11	13 22	0 42	15 38	0 7	19 46	3 8	22 45	22 37	10 57	4 34	2 41
S 4	16 16	8 15	5 3	18 29	2 5	11 54	1 31	4 0	3 43	6 12	1 20	14 3	1 11	13 21	0 42	15 38	0 7	19 46	3 8	22 44	22 36	10 55	4 35	2 41
M 5	15 58	2 6	4 47	17 58	2 5	11 26	1 31	4 3	3 44	6 14	1 20	14 1	1 11	13 19	0 42	15 37	0 7	19 46	3 8	22 43	22 36	10 52	4 36	2 41
T 6	15 39	4s 1	4 13	17 25	2 4	10 58	1 31	4 7	3 46	6 17	1 20	13 59	1 11	13 18	0 42	15 36	0 7	19 46	3 8	22 43	22 36	10 50	4 37	2 40
W 7	15 21	9 48	3 24	16 51	2 3	10 30	1 30	4 11	3 47	6 19	1 20	13 56	1 11	13 17	0 42	15 36	0 7	19 47	3 8	22 42	22 35	10 47	4 38	2 40
T 8	15 2	14 55	2 24	16 16	2 2	10 2	1 30	4 15	3 49	6 22	1 20	13 54	1 11	13 16	0 42	15 35	0 7	19 47	3 8	22 42	22 35	10 44	4 38	2 40
F 9	14 43	19 10	1 18	15 39	1 59	9 34	1 29	4 19	3 50	6 24	1 21	13 51	1 11	13 15	0 42	15 34	0 7	19 47	3 8	22 42	22 35	10 42	4 39	2 40
S 10	14 23	22 21	0 9	15 1	1 57	9 5	1 29	4 24	3 51	6 27	1 21	13 49	1 12	13 14	0 42	15 34	0 7	19 47	3 8	22 42	22 34	10 39	4 40	2 40
S 11	14 4	24 21	0s58	14 21	1 54	8 36	1 28	4 29	3 53	6 30	1 21	13 47	1 12	13 12	0 42	15 33	0 7	19 47	3 7	22 42	22 34	10 36	4 41	2 39
M12	13 44	25 5	2 1	13 40	1 50	8 6	1 27	4 34	3 54	6 32	1 21	13 44	1 12	13 11	0 42	15 32	0 7	19 47	3 7	22 42	22 33	10 34	4 42	2 39
T 13	13 24	24 33	2 57	12 58	1 46	7 37	1 26	4 40	3 55	6 35	1 21	13 42	1 12	13 10	0 42	15 32	0 7	19 48	3 7	22 42	22 33	10 31	4 43	2 39
W14	13 4	22 52	3 45	12 15	1 41	7 7	1 26	4 46	3 56	6 38	1 22	13 39	1 12	13 9	0 42	15 31	0 7	19 48	3 7	22 41	22 33	10 29	4 44	2 39
T 15	12 43	20 9	4 22	11 30	1 35	6 37	1 25	4 52	3 57	6 41	1 22	13 37	1 12	13 8	0 42	15 30	0 7	19 48	3 7	22 39	22 32	10 26	4 45	2 39
F 16	12 23	16 37	4 47	10 44	1 29	6 7	1 24	4 58	3 58	6 44	1 22	13 34	1 12	13 6	0 42	15 30	0 7	19 48	3 7	22 38	22 32	10 23	4 46	2 39
S 17	12 2	12 26	4 59	9 57	1 22	5 37	1 22	5 5	3 59	6 47	1 22	13 32	1 12	13 5	0 42	15 29	0 7	19 48	3 7	22 37	22 32	10 21	4 47	2 39
S 18	11 41	7 48	4 58	9 9	1 15	5 7	1 21	5 12	4 0	6 50	1 22	13 30	1 12	13 4	0 42	15 28	0 8	19 49	3 7	22 35	22 31	10 18	4 48	2 38
M19	11 19	2 53	4 45	8 20	1 7	4 36	1 20	5 19	4 1	6 53	1 22	13 27	1 12	13 3	0 42	15 28	0 8	19 49	3 7	22 34	22 31	10 15	4 50	2 38
T 20	10 58	2n 9	4 18	7 31	0 58	4 6	1 19	5 26	4 2	6 56	1 22	13 25	1 12	13 2	0 42	15 27	0 8	19 49	3 6	22 32	22 31	10 13	4 51	2 38
W21	10 36	7 9	3 41	6 40	0 49	3 35	1 17	5 33	4 2	6 59	1 23	13 22	1 12	13 1	0 42	15 26	0 8	19 49	3 6	22 32	22 30	10 10	4 52	2 38
T 22	10 14	11 56	2 53	5 50	0 39	3 4	1 16	5 41	4 3	7 2	1 23	13 20	1 12	12 59	0 42	15 25	0 8	19 49	3 6	22 31	22 30	10 7	4 53	2 38
F 23	9 53	16 20	1 56	4 59	0 28	2 33	1 15	5 49	4 4	7 5	1 23	13 17	1 12	12 58	0 42	15 25	0 8	19 49	3 6	22 31	22 29	10 5	4 54	2 38
S 24	9 30	20 8	0 53	4 8	0 16	2 2	1 13	5 57	4 4	7 8	1 23	13 15	1 12	12 57	0 42	15 24	0 8	19 50	3 6	22 31	22 29	10 2	4 55	2 38
S 25	9 8	23 4	0n15	3 18	0 4	1 31	1 11	6 5	4 4	7 11	1 23	13 12	1 12	12 56	0 42	15 23	0 8	19 50	3 6	22 31	22 29	9 59	4 56	2 37
M26	8 46	24 49	1 24	2 28	0n 8	1 0	1 10	6 13	4 5	7 14	1 23	13 10	1 13	12 55	0 42	15 23	0 8	19 50	3 6	22 31	22 28	9 57	4 57	2 37
T 27	8 23	25 9	2 31	1 39	0 21	0 29	1 8	6 21	4 5	7 17	1 23	13 8	1 13	12 53	0 42	15 22	0 8	19 50	3 6	22 30	22 28	9 54	4 59	2 37
W28	8s 1	23n50	3n31	0s51	0n35	0n 2	1s 6	6n30	4n 5	7n20	1n23	13s 5	1s13	12s52	0s42	15s21	0s 8	19n50	3s 6	22n30	22n28	9s51	5n 0	2n37

Julian Day Number = 2513667.5, Delta T = 136.53 sec
Ecliptic obliquity = 23°25'04, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°07'01, Lahiri = 26°14'02

ASTRODIENST EPHEMERIS for the year 2170
geocentric

MARCH 2170 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 35 44	10♓28'27	13♌29	27♓56	3♈53	22°R44	14°R29	28♒43	27♒54	18♒38	11°R31	14°R10	13♊57	17♓ 7	6♈36	T 1
F 2	10 39 41	11°28'44	28°37	29°15	5° 7	22♍22	14♍21	28°50	27°58	18°40	11♋30	14♊ 0	13°53	17°14	6°39	F 2
S 3	10 43 37	12°28'58	13♍58	0♈28	6°22	21°59	14°13	28°57	28° 1	18°43	11°30	13°48	13°50	17°20	6°42	S 3
S 4	10 47 34	13°29'11	29°19	1°34	7°36	21°37	14° 5	29° 5	28° 4	18°45	11°29	13°37	13°47	17°27	6°46	S 4
M 5	10 51 30	14°29'21	14♎29	2°34	8°50	21°14	13°57	29°12	28° 8	18°47	11°29	13°27	13°44	17°34	6°49	M 5
T 6	10 55 27	15°29'31	29°19	3°25	10° 4	20°51	13°50	29°19	28°11	18°49	11°28	13°20	13°41	17°41	6°52	T 6
W 7	10 59 23	16°29'39	13♏42	4° 9	11°18	20°28	13°42	29°26	28°15	18°51	11°28	13°15	13°38	17°47	6°56	W 7
T 8	11 3 20	17°29'45	27°35	4°43	12°32	20° 4	13°34	29°33	28°18	18°53	11°28	13°13	13°34	17°54	6°59	T 8
F 9	11 7 17	18°29'50	11♐ 0	5° 9	13°46	19°41	13°26	29°40	28°21	18°55	11°27	13°12	13°31	18° 1	7° 3	F 9
S 10	11 11 13	19°29'53	24° 0	5°26	15° 0	19°17	13°18	29°47	28°24	18°57	11°27	13°12	13°28	18° 7	7° 6	S 10
S 11	11 15 10	20°29'55	6♑39	5°R34	16°14	18°53	13°11	29°54	28°28	18°59	11°26	13°11	13°25	18°14	7°10	S 11
M12	11 19 6	21°29'55	19° 0	5°33	17°27	18°29	13° 3	0♓ 1	28°31	19° 1	11°26	13° 9	13°22	18°21	7°13	M12
T 13	11 23 3	22°29'53	1♒10	5°23	18°41	18° 6	12°55	0° 8	28°34	19° 3	11°26	13° 3	13°18	18°28	7°17	T 13
W14	11 26 59	23°29'50	13°11	5° 4	19°55	17°42	12°48	0°14	28°38	19° 5	11°26	12°55	13°15	18°34	7°20	W14
T 15	11 30 56	24°29'45	25° 6	4°38	21° 9	17°19	12°40	0°21	28°41	19° 7	11°25	12°44	13°12	18°41	7°24	T 15
F 16	11 34 52	25°29'38	6♓59	4° 4	22°22	16°56	12°32	0°28	28°44	19° 9	11°25	12°31	13° 9	18°48	7°27	F 16
S 17	11 38 49	26°29'29	18°51	3°24	23°36	16°33	12°25	0°35	28°47	19°11	11°25	12°17	13° 6	18°55	7°31	S 17
S 18	11 42 46	27°29'19	0♈43	2°38	24°49	16°10	12°17	0°42	28°50	19°13	11°25	12° 2	13° 3	19° 1	7°34	S 18
M19	11 46 42	28°29'06	12°37	1°48	26° 3	15°48	12°10	0°48	28°53	19°15	11°24	11°50	12°59	19° 8	7°38	M19
T 20	11 50 39	29°28'51	24°34	0°55	27°16	15°26	12° 3	0°55	28°57	19°16	11°24	11°39	12°56	19°15	7°42	T 20
W21	11 54 35	0♈28'35	6♉37	29♓59	28°30	15° 4	11°56	1° 2	29° 0	19°18	11°24	11°31	12°53	19°21	7°45	W21
T 22	11 58 32	1°28'16	18°46	29° 4	29°43	14°43	11°49	1° 8	29° 3	19°20	11°24	11°26	12°50	19°28	7°49	T 22
F 23	12 2 28	2°27'55	1♊ 6	28° 9	0♉56	14°22	11°42	1°15	29° 6	19°22	11°24	11°24	12°47	19°35	7°52	F 23
S 24	12 6 25	3°27'32	13°40	27°15	2°10	14° 2	11°35	1°21	29° 9	19°24	11°24	11°D23	12°43	19°42	7°56	S 24
S 25	12 10 21	4°27'06	26°31	26°24	3°23	13°42	11°28	1°28	29°12	19°25	11°D24	11°24	12°40	19°48	8° 0	S 25
M26	12 14 18	5°26'38	9♋45	25°36	4°36	13°23	11°21	1°34	29°15	19°27	11°24	11°R24	12°37	19°55	8° 3	M26
T 27	12 18 15	6°26'08	23°24	24°52	5°49	13° 5	11°15	1°41	29°18	19°29	11°24	11°22	12°34	20° 2	8° 7	T 27
W28	12 22 11	7°25'36	7♌29	24°14	7° 2	12°47	11° 8	1°47	29°21	19°31	11°24	11°19	12°31	20° 9	8°11	W28
T 29	12 26 8	8°25'01	22° 2	23°40	8°15	12°30	11° 2	1°54	29°23	19°32	11°24	11°13	12°28	20°15	8°14	T 29
F 30	12 30 4	9°24'24	6♍57	23°12	9°28	12°14	10°56	2° 0	29°26	19°34	11°24	11° 5	12°24	20°22	8°18	F 30
S 31	12 34 1	10♈23'45	22♍ 8	22♓50	10♉41	11♍58	10♍50	2♓ 6	29♒29	19♒35	11♋24	10♊56	12♊21	20♓29	8♈21	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7s38	20n53	4n18	0s 5	0n49	0n34	1s 4	6n38	4n 5	7n23	1n24	13s 3	1s13	12s51	0s42	15s21	0s 8	19n50	3s 5	22n29	22n27	9s49	5n 1	2n37
F 2	7 15	16 28	4 49	0n40	1 3	1 5	1 2	6 47	4 5	7 26	1 24	13 0	1 13	12 50	0 42	15 20	0 8	19 51	3 5	22 28	22 27	9 46	5 2	2 37
S 3	6 52	10 55	5 0	1 22	1 17	1 36	1 0	6 56	4 5	7 29	1 24	12 58	1 13	12 49	0 42	15 20	0 8	19 51	3 5	22 26	22 26	9 43	5 3	2 37
S 4	6 29	4 41	4 49	2 1	1 31	2 7	0 58	7 4	4 5	7 33	1 24	12 56	1 13	12 48	0 42	15 19	0 8	19 51	3 5	22 25	22 26	9 41	5 5	2 37
M 5	6 6	1s45	4 18	2 38	1 46	2 38	0 56	7 13	4 4	7 36	1 24	12 53	1 13	12 46	0 42	15 18	0 8	19 51	3 5	22 24	22 26	9 38	5 6	2 36
T 6	5 43	7 57	3 29	3 12	2 0	3 9	0 54	7 22	4 4	7 39	1 24	12 51	1 13	12 45	0 42	15 18	0 8	19 51	3 5	22 23	22 25	9 35	5 7	2 36
W 7	5 20	13 34	2 29	3 41	2 14	3 40	0 52	7 30	4 3	7 42	1 24	12 48	1 13	12 44	0 42	15 17	0 8	19 51	3 5	22 22	22 25	9 33	5 8	2 36
T 8	4 56	18 17	1 21	4 7	2 27	4 11	0 50	7 39	4 3	7 45	1 24	12 46	1 13	12 43	0 42	15 16	0 8	19 52	3 5	22 22	22 25	9 30	5 10	2 36
F 9	4 33	21 53	0 12	4 29	2 39	4 42	0 48	7 48	4 2	7 48	1 24	12 44	1 14	12 42	0 42	15 16	0 8	19 52	3 4	22 22	22 24	9 27	5 11	2 36
S 10	4 9	24 14	0s57	4 47	2 51	5 12	0 45	7 56	4 1	7 51	1 24	12 41	1 14	12 41	0 42	15 15	0 8	19 52	3 4	22 22	22 24	9 25	5 12	2 36
S 11	3 46	25 15	2 0	5 0	3 2	5 43	0 43	8 5	4 0	7 54	1 24	12 39	1 14	12 40	0 42	15 14	0 8	19 52	3 4	22 22	22 23	9 22	5 13	2 36
M12	3 22	25 0	2 57	5 8	3 11	6 14	0 40	8 13	3 59	7 57	1 24	12 37	1 14	12 39	0 42	15 14	0 8	19 52	3 4	22 21	22 23	9 19	5 15	2 36
T 13	2 58	23 32	3 44	5 11	3 19	6 44	0 38	8 21	3 58	8 0	1 24	12 34	1 14	12 37	0 42	15 13	0 8	19 52	3 4	22 21	22 23	9 16	5 16	2 36
W14	2 35	21 1	4 21	5 10	3 26	7 14	0 35	8 30	3 57	8 3	1 24	12 32	1 14	12 36	0 42	15 13	0 8	19 53	3 4	22 20	22 22	9 14	5 17	2 35
T 15	2 11	17 38	4 46	5 4	3 31	7 44	0 33	8 37	3 56	8 6	1 24	12 30	1 14	12 35	0 42	15 12	0 8	19 53	3 4	22 18	22 22	9 11	5 19	2 35
F 16	1 47	13 33	4 59	4 53	3 34	8 14	0 30	8 45	3 54	8 9	1 24	12 27	1 14	12 34	0 42	15 11	0 8	19 53	3 4	22 17	22 21	9 8	5 20	2 35
S 17	1 24	8 58	4 58	4 38	3 35	8 44	0 28	8 53	3 53	8 11	1 24	12 25	1 14	12 33	0 42	15 11	0 8	19 53	3 3	22 15	22 21	9 6	5 21	2 35
S 18	1 0	4 4	4 44	4 20	3 34	9 13	0 25	9 0	3 51	8 14	1 24	12 23	1 14	12 32	0 43	15 10	0 8	19 53	3 3	22 13	22 21	9 3	5 23	2 35
M19	0 36	1n 1	4 18	3 57	3 32	9 42	0 22	9 8	3 50	8 17	1 24	12 20	1 15	12 31	0 43	15 10	0 8	19 53	3 3	22 11	22 20	9 0	5 24	2 35
T 20	0 12	6 5	3 41	3 32	3 27	10 11	0 19	9 14	3 48	8 20	1 24	12 18	1 15	12 30	0 43	15 9	0 8	19 53	3 3	22 10	22 20	8 57	5 25	2 35
W21	0n11	10 59	2 53	3 4	3 20	10 40	0 17	9 21	3 46	8 23	1 24	12 16	1 15	12 29	0 43	15 9	0 8	19 54	3 3	22 9	22 19	8 55	5 27	2 35
T 22	0 35	15 31	1 57	2 34	3 12	11 9	0 14	9 28	3 44	8 25	1 24	12 14	1 15	12 28	0 43	15 8	0 8	19 54	3 3	22 8	22 19	8 52	5 28	2 35
F 23	0 59	19 28	0 54	2 3	3 2	11 37	0 11	9 34	3 42	8 28	1 24	12 11	1 15	12 27	0 43	15 8	0 8	19 54	3 3	22 8	22 19	8 49	5 29	2 35
S 24	1 22	22 37	0n12	1 31	2 51	12 5	0 8	9 40	3 40	8 30	1 24	12 9	1 15	12 26	0 43	15 7	0 8	19 54	3 3	22 8	22 18	8 46	5 31	2 35
S 25	1 46	24 42	1 20	0 59	2 38	12 33	0 5	9 46	3 38	8 33	1 24	12 7	1 15	12 25	0 43	15 6	0 8	19 54	3 2	22 8	22 18	8 44	5 32	2 34
M26	2 10	25 28	2 25	0 28	2 25	13 0	0 2	9 51	3 36	8 35	1 24	12 5	1 15	12 24	0 43	15 6	0 8	19 54	3 2	22 8	22 17	8 41	5 33	2 34
T 27	2 33	24 45	3 24	0s 2	2 10	13 28	0n 1	9 56	3 34	8 38	1 24	12 3	1 16	12 23	0 43	15 5	0 8	19 54	3 2	22 7	22 17	8 38	5 35	2 34
W28	2 57	22 27	4 13	0 32	1 55	13 54	0 4	10 1	3 32	8 40	1 24	12 0	1 16	12 22	0 43	15 5	0 8	19 54	3 2	22 7	22 17	8 35	5 36	2 34
T 29	3 20	18 40	4 47	0 59	1 40	14 21	0 7	10 5	3 29	8 43	1 24	11 58	1 16	12 21	0 43	15 4	0 8	19 55	3 2	22 6	22 16	8 33	5 38	2 34
F 30	3 43	13 38	5 3	1 24	1 24	14 47	0 10	10 9	3 27	8 45	1 23	11 56	1 16	12 20	0 43	15 4	0 8	19 55	3 2	22 5	22 16	8 30	5 39	2 34
S 31	4n 7	7n41	4n58	1s47	1n 9	15n13	0n13	10n13	3n25	8n47	1n23	11s54	1s16	12s19	0s43	15s 3	0s 8	19n55	3s 2	22n 4	22n15	8s27	5n40	2n34

Julian Day Number = 2513695.5, Delta T = 136.59 sec
Ecliptic obliquity = 23°25'05, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°07'05, Lahiri = 26°14'06

ASTRODIENST EPHEMERIS for the year 2170
geocentric

APRIL 2170 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 37 57	11♈23'03	7♎24	22°R34	11♉54	11°R43	10°R44	2♓12	29♒32	19♒37	11♋25	10°R47	12♊18	20♓35	8♈25	S 1
M 2	12 41 54	12°22'20	22°35	22♓23	13° 6	11♍28	10♍38	2°18	29°35	19°39	11°25	10♊39	12°15	20°42	8°29	M 2
T 3	12 45 50	13°21'34	7♏30	22°D19	14°19	11°15	10°32	2°24	29°37	19°40	11°25	10°33	12°12	20°49	8°32	T 3
W 4	12 49 47	14°20'47	22° 2	22°20	15°32	11° 2	10°27	2°31	29°40	19°42	11°25	10°29	12° 9	20°56	8°36	W 4
T 5	12 53 44	15°19'58	6♐ 5	22°26	16°44	10°50	10°22	2°36	29°43	19°43	11°25	10°D28	12° 5	21° 2	8°39	T 5
F 6	12 57 40	16°19'07	19°39	22°38	17°57	10°38	10°16	2°42	29°46	19°45	11°26	10°28	12° 2	21° 9	8°43	F 6
S 7	13 1 37	17°18'14	2♑47	22°55	19° 9	10°28	10°11	2°48	29°48	19°46	11°26	10°29	11°59	21°16	8°47	S 7
S 8	13 5 33	18°17'20	15°30	23°17	20°21	10°18	10° 6	2°54	29°51	19°48	11°26	10°R30	11°56	21°22	8°50	S 8
M 9	13 9 30	19°16'24	27°54	23°43	21°34	10° 9	10° 2	3° 0	29°53	19°49	11°27	10°29	11°53	21°29	8°54	M 9
T 10	13 13 26	20°15'26	10♒ 3	24°14	22°46	10° 1	9°57	3° 6	29°56	19°50	11°27	10°27	11°49	21°36	8°57	T 10
W11	13 17 23	21°14'26	22° 2	24°49	23°58	9°53	9°52	3°11	29°58	19°52	11°27	10°23	11°46	21°43	9° 1	W11
T 12	13 21 19	22°13'25	3♓55	25°28	25°10	9°46	9°48	3°17	0♓ 1	19°53	11°28	10°16	11°43	21°49	9° 4	T 12
F 13	13 25 16	23°12'21	15°46	26°11	26°22	9°40	9°44	3°22	0° 3	19°54	11°28	10° 8	11°40	21°56	9° 8	F 13
S 14	13 29 12	24°11'16	27°38	26°57	27°34	9°35	9°40	3°28	0° 5	19°55	11°29	10° 0	11°37	22° 3	9°11	S 14
S 15	13 33 9	25°10'09	9♈32	27°47	28°46	9°31	9°36	3°33	0° 8	19°57	11°29	9°51	11°34	22° 9	9°15	S 15
M16	13 37 6	26° 9'00	21°32	28°40	29°58	9°27	9°33	3°39	0°10	19°58	11°30	9°43	11°30	22°16	9°18	M16
T 17	13 41 2	27° 7'49	3♉37	29°36	1♊ 9	9°24	9°29	3°44	0°12	19°59	11°30	9°36	11°27	22°23	9°22	T 17
W18	13 44 59	28° 6'36	15°50	0♈35	2°21	9°22	9°26	3°49	0°15	20° 0	11°31	9°32	11°24	22°30	9°25	W18
T 19	13 48 55	29° 5'21	28°12	1°37	3°33	9°21	9°23	3°54	0°17	20° 1	11°31	9°29	11°21	22°36	9°29	T 19
F 20	13 52 52	0♉ 4'04	10♊44	2°41	4°44	9°D21	9°20	3°59	0°19	20° 2	11°32	9°D28	11°18	22°43	9°32	F 20
S 21	13 56 48	1° 2'45	23°30	3°48	5°56	9°21	9°17	4° 4	0°21	20° 3	11°32	9°29	11°15	22°50	9°36	S 21
S 22	14 0 45	2° 1'24	6♋30	4°58	7° 7	9°22	9°15	4° 9	0°23	20° 4	11°33	9°31	11°11	22°57	9°39	S 22
M23	14 4 41	3° 0'00	19°47	6° 9	8°18	9°24	9°12	4°14	0°25	20° 5	11°34	9°32	11° 8	23° 3	9°43	M23
T 24	14 8 38	3°58'35	3♌24	7°24	9°29	9°26	9°10	4°19	0°27	20° 6	11°34	9°R33	11° 5	23°10	9°46	T 24
W25	14 12 35	4°57'07	17°21	8°40	10°40	9°29	9° 8	4°24	0°29	20° 7	11°35	9°32	11° 2	23°17	9°49	W25
T 26	14 16 31	5°55'37	1♍39	9°58	11°51	9°33	9° 6	4°29	0°31	20° 8	11°36	9°30	10°59	23°23	9°53	T 26
F 27	14 20 28	6°54'04	16°15	11°19	13° 2	9°38	9° 5	4°33	0°33	20° 9	11°36	9°26	10°55	23°30	9°56	F 27
S 28	14 24 24	7°52'30	1♎ 4	12°42	14°13	9°43	9° 3	4°38	0°35	20°10	11°37	9°22	10°52	23°37	9°59	S 28
S 29	14 28 21	8°50'53	15°59	14° 6	15°24	9°49	9° 2	4°42	0°36	20°10	11°38	9°18	10°49	23°44	10° 2	S 29
M30	14 32 17	9♉49'15	0♏52	15♈33	16♊34	9♍55	9♍ 1	4♓47	0♓38	20♒11	11♋39	9♊14	10♊46	23♓50	10♈ 6	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4n30	1n14	4n32	2s 8	0n53	15n38	0n16	10n17	3n22	8n49	1n23	11s52	1s16	12s18	0s43	15s 3	0s 8	19n55	3s 1	22n 3	22n15	8s24	5n42	2n34
M 2	4 53	5s16	3 47	2 26	0 38	16 3	0 19	10 20	3 20	8 51	1 23	11 50	1 16	12 17	0 43	15 2	0 8	19 55	3 1	22 1	22 15	8 22	5 43	2 34
T 3	5 16	11 22	2 47	2 42	0 23	16 28	0 22	10 23	3 17	8 53	1 23	11 48	1 17	12 16	0 43	15 2	0 8	19 55	3 1	22 1	22 14	8 19	5 44	2 34
W 4	5 39	16 42	1 37	2 55	0 8	16 52	0 25	10 26	3 15	8 55	1 23	11 46	1 17	12 15	0 43	15 2	0 8	19 55	3 1	22 0	22 14	8 16	5 46	2 34
T 5	6 2	20 55	0 23	3 6	0s 6	17 16	0 28	10 28	3 12	8 57	1 23	11 44	1 17	12 14	0 43	15 1	0 8	19 55	3 1	22 0	22 13	8 13	5 47	2 34
F 6	6 25	23 50	0s49	3 14	0 20	17 40	0 31	10 30	3 10	8 59	1 23	11 42	1 17	12 13	0 43	15 1	0 8	19 55	3 1	22 0	22 13	8 10	5 48	2 34
S 7	6 47	25 20	1 57	3 19	0 33	18 3	0 34	10 32	3 7	9 1	1 23	11 40	1 17	12 12	0 43	15 0	0 8	19 56	3 1	22 0	22 12	8 8	5 50	2 34
S 8	7 10	25 27	2 57	3 22	0 46	18 25	0 37	10 33	3 5	9 3	1 23	11 38	1 17	12 11	0 43	15 0	0 8	19 56	3 1	22 0	22 12	8 5	5 51	2 34
M 9	7 32	24 16	3 47	3 23	0 58	18 47	0 40	10 34	3 2	9 5	1 22	11 36	1 17	12 10	0 43	14 59	0 8	19 56	3 0	22 0	22 12	8 2	5 53	2 34
T 10	7 55	21 58	4 25	3 21	1 9	19 9	0 43	10 35	3 0	9 6	1 22	11 34	1 18	12 10	0 43	14 59	0 8	19 56	3 0	22 0	22 11	7 59	5 54	2 34
W11	8 17	18 45	4 51	3 17	1 20	19 30	0 46	10 35	2 57	9 8	1 22	11 32	1 18	12 9	0 43	14 59	0 8	19 56	3 0	21 59	22 11	7 56	5 55	2 34
T 12	8 39	14 48	5 5	3 11	1 30	19 50	0 49	10 35	2 54	9 9	1 22	11 30	1 18	12 8	0 43	14 58	0 8	19 56	3 0	21 58	22 10	7 54	5 57	2 34
F 13	9 1	10 18	5 5	3 3	1 40	20 10	0 53	10 35	2 52	9 11	1 22	11 28	1 18	12 7	0 43	14 58	0 8	19 56	3 0	21 57	22 10	7 51	5 58	2 33
S 14	9 22	5 25	4 53	2 52	1 49	20 30	0 56	10 35	2 49	9 12	1 22	11 26	1 18	12 6	0 43	14 57	0 8	19 56	3 0	21 56	22 9	7 48	5 59	2 33
S 15	9 44	0 19	4 27	2 40	1 57	20 49	0 59	10 34	2 47	9 13	1 22	11 25	1 18	12 5	0 43	14 57	0 8	19 56	3 0	21 54	22 9	7 45	6 1	2 33
M16	10 5	4n50	3 50	2 26	2 4	21 8	1 2	10 33	2 44	9 15	1 22	11 23	1 18	12 5	0 43	14 57	0 8	19 56	3 0	21 53	22 9	7 42	6 2	2 33
T 17	10 27	9 52	3 2	2 10	2 11	21 26	1 5	10 32	2 41	9 16	1 21	11 21	1 19	12 4	0 43	14 56	0 8	19 56	2 59	21 52	22 8	7 40	6 3	2 33
W18	10 48	14 35	2 5	1 52	2 18	21 43	1 8	10 30	2 39	9 17	1 21	11 19	1 19	12 3	0 43	14 56	0 8	19 57	2 59	21 52	22 8	7 37	6 5	2 33
T 19	11 8	18 45	1 1	1 33	2 23	22 0	1 10	10 28	2 36	9 18	1 21	11 18	1 19	12 2	0 43	14 56	0 8	19 57	2 59	21 51	22 7	7 34	6 6	2 33
F 20	11 29	22 9	0n 7	1 12	2 28	22 16	1 13	10 26	2 34	9 19	1 21	11 16	1 19	12 2	0 43	14 55	0 8	19 57	2 59	21 51	22 7	7 31	6 8	2 33
S 21	11 50	24 31	1 16	0 50	2 33	22 32	1 16	10 23	2 31	9 20	1 21	11 14	1 19	12 1	0 43	14 55	0 8	19 57	2 59	21 51	22 6	7 28	6 9	2 33
S 22	12 10	25 37	2 22	0 26	2 37	22 47	1 19	10 21	2 29	9 20	1 21	11 13	1 19	12 0	0 43	14 55	0 8	19 57	2 59	21 51	22 6	7 26	6 10	2 33
M23	12 30	25 17	3 22	0 0	2 40	23 1	1 22	10 18	2 26	9 21	1 20	11 11	1 20	12 0	0 43	14 54	0 8	19 57	2 59	21 52	22 6	7 23	6 11	2 33
T 24	12 50	23 28	4 12	0n26	2 43	23 15	1 25	10 15	2 24	9 22	1 20	11 9	1 20	11 59	0 44	14 54	0 8	19 57	2 59	21 52	22 5	7 20	6 13	2 33
W25	13 10	20 12	4 49	0 54	2 45	23 28	1 28	10 11	2 21	9 22	1 20	11 8	1 20	11 58	0 44	14 54	0 8	19 57	2 58	21 52	22 5	7 17	6 14	2 33
T 26	13 29	15 41	5 9	1 24	2 46	23 41	1 30	10 7	2 19	9 23	1 20	11 6	1 20	11 58	0 44	14 54	0 8	19 57	2 58	21 51	22 4	7 14	6 15	2 33
F 27	13 48	10 10	5 10	1 54	2 47	23 53	1 33	10 3	2 16	9 23	1 20	11 5	1 20	11 57	0 44	14 53	0 8	19 57	2 58	21 51	22 4	7 11	6 17	2 33
S 28	14 7	4 1	4 50	2 26	2 48	24 4	1 36	9 59	2 14	9 24	1 20	11 3	1 21	11 56	0 44	14 53	0 8	19 57	2 58	21 50	22 3	7 8	6 18	2 33
S 29	14 26	2s26	4 10	2 59	2 48	24 15	1 38	9 55	2 11	9 24	1 19	11 2	1 21	11 56	0 44	14 53	0 8	19 57	2 58	21 49	22 3	7 6	6 19	2 33
M30	14n45	8s44	3n14	3n33	2s47	24n25	1n41	9n50	2n 9	9n24	1n19	11s 0	1s21	11s55	0s44	14s53	0s 8	19n57	2s58	21n49	22n 2	7s 3	6n21	2n33

Julian Day Number = 2513726.5, Delta T = 136.65 sec
Ecliptic obliquity = 23°25'05, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°07'09, Lahiri = 26°14'10

ASTRODIENST EPHEMERIS for the year 2170
geocentric

MAY 2170 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 36 14	10♉47'34	15♏36	17♈ 2	17♊45	10♍ 2	9°R 0	4♓51	0♓40	20♒12	11♋40	9°R11	10♊43	23♓57	10♈ 9	T 1
W 2	14 40 10	11°45'52	0♐ 1	18°32	18°55	10°10	8♍59	4°55	0°41	20°13	11°40	9♊ 9	10°40	24° 4	10°12	W 2
T 3	14 44 7	12°44'09	14° 4	20° 5	20° 6	10°18	8°59	4°59	0°43	20°13	11°41	9°D 9	10°36	24°10	10°15	T 3
F 4	14 48 4	13°42'23	27°42	21°39	21°16	10°27	8°58	5° 3	0°45	20°14	11°42	9°10	10°33	24°17	10°18	F 4
S 5	14 52 0	14°40'37	10♑54	23°15	22°26	10°37	8°D58	5° 7	0°46	20°15	11°43	9°12	10°30	24°24	10°22	S 5
S 6	14 55 57	15°38'48	23°43	24°53	23°36	10°47	8°58	5°11	0°48	20°15	11°44	9°13	10°27	24°31	10°25	S 6
M 7	14 59 53	16°36'58	6♒12	26°33	24°46	10°58	8°59	5°15	0°49	20°16	11°45	9°14	10°24	24°37	10°28	M 7
T 8	15 3 50	17°35'07	18°25	28°15	25°56	11° 9	8°59	5°19	0°50	20°16	11°46	9°R15	10°21	24°44	10°31	T 8
W 9	15 7 46	18°33'14	0♓26	29°59	27° 6	11°21	9° 0	5°22	0°52	20°17	11°47	9°14	10°17	24°51	10°34	W 9
T 10	15 11 43	19°31'20	12°20	1♉44	28°15	11°34	9° 0	5°26	0°53	20°17	11°48	9°13	10°14	24°57	10°37	T 10
F 11	15 15 39	20°29'25	24°12	3°32	29°25	11°47	9° 1	5°29	0°54	20°17	11°49	9°10	10°11	25° 4	10°40	F 11
S 12	15 19 36	21°27'28	6♈ 5	5°21	0♋34	12° 0	9° 2	5°33	0°55	20°18	11°50	9° 8	10° 8	25°11	10°43	S 12
S 13	15 23 33	22°25'29	18° 3	7°13	1°44	12°14	9° 4	5°36	0°57	20°18	11°51	9° 5	10° 5	25°18	10°46	S 13
M14	15 27 29	23°23'29	0♉ 8	9° 6	2°53	12°29	9° 5	5°39	0°58	20°18	11°52	9° 3	10° 1	25°24	10°49	M14
T 15	15 31 26	24°21'28	12°23	11° 1	4° 2	12°44	9° 7	5°43	0°59	20°19	11°53	9° 1	9°58	25°31	10°51	T 15
W16	15 35 22	25°19'25	24°50	12°58	5°11	12°59	9° 9	5°46	1° 0	20°19	11°54	9° 0	9°55	25°38	10°54	W16
T 17	15 39 19	26°17'21	7♊29	14°57	6°20	13°15	9°11	5°49	1° 1	20°19	11°55	8°D59	9°52	25°45	10°57	T 17
F 18	15 43 15	27°15'15	20°21	16°57	7°29	13°32	9°13	5°52	1° 2	20°19	11°56	9° 0	9°49	25°51	11° 0	F 18
S 19	15 47 12	28°13'08	3♋26	18°59	8°37	13°48	9°15	5°54	1° 2	20°20	11°57	9° 0	9°46	25°58	11° 2	S 19
S 20	15 51 8	29°10'59	16°45	21° 3	9°46	14° 6	9°18	5°57	1° 3	20°20	11°58	9° 1	9°42	26° 5	11° 5	S 20
M21	15 55 5	0♊ 8'49	0♌17	23° 9	10°54	14°24	9°21	6° 0	1° 4	20°20	12° 0	9° 2	9°39	26°11	11° 8	M21
T 22	15 59 2	1° 6'36	14° 3	25°16	12° 2	14°42	9°23	6° 2	1° 5	20°20	12° 1	9° 2	9°36	26°18	11°10	T 22
W23	16 2 58	2° 4'23	28° 2	27°24	13°10	15° 0	9°26	6° 5	1° 5	20°R20	12° 2	9°R 3	9°33	26°25	11°13	W23
T 24	16 6 55	3° 2'07	12♍12	29°34	14°18	15°20	9°30	6° 7	1° 6	20°20	12° 3	9° 3	9°30	26°32	11°15	T 24
F 25	16 10 51	3°59'49	26°32	1♊44	15°26	15°39	9°33	6° 9	1° 7	20°20	12° 4	9° 2	9°27	26°38	11°18	F 25
S 26	16 14 48	4°57'30	10♎59	3°55	16°33	15°59	9°37	6°11	1° 7	20°20	12° 6	9° 2	9°23	26°45	11°20	S 26
S 27	16 18 44	5°55'10	25°28	6° 7	17°41	16°19	9°40	6°13	1° 8	20°19	12° 7	9° 2	9°20	26°52	11°23	S 27
M28	16 22 41	6°52'48	9♏54	8°18	18°48	16°40	9°44	6°15	1° 8	20°19	12° 8	9° 1	9°17	26°58	11°25	M28
T 29	16 26 37	7°50'25	24°13	10°30	19°55	17° 1	9°48	6°17	1° 8	20°19	12° 9	9° 1	9°14	27° 5	11°27	T 29
W30	16 30 34	8°48'00	8♐19	12°42	21° 2	17°22	9°53	6°19	1° 9	20°19	12°11	9° 1	9°11	27°12	11°30	W30
T 31	16 34 31	9♊45'35	22♐ 9	14♊53	22♋ 9	17♍44	9♍57	6♓21	1♓ 9	20♒19	12♋12	9♊ 1	9♊ 7	27♓19	11♈32	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15n 3	14s30	2n 5	4n 8	2s45	24n34	1n43	9n45	2n 7	9n25	1n19	10s59	1s21	11s55	0s44	14s52	0s 8	19n57	2s58	21n48	22n 2	7s 0	6n22	2n33
W 2	15 21	19 19	0 50	4 44	2 44	24 43	1 46	9 40	2 4	9 25	1 19	10 58	1 21	11 54	0 44	14 52	0 9	19 57	2 58	21 48	22 1	6 57	6 23	2 33
T 3	15 39	22 55	0s27	5 21	2 41	24 51	1 48	9 35	2 2	9 25	1 19	10 56	1 21	11 54	0 44	14 52	0 9	19 57	2 58	21 48	22 1	6 54	6 24	2 33
F 4	15 56	25 4	1 40	5 59	2 38	24 58	1 50	9 29	2 0	9 25	1 19	10 55	1 22	11 53	0 44	14 52	0 9	19 57	2 57	21 48	22 1	6 51	6 26	2 33
S 5	16 14	25 43	2 46	6 38	2 35	25 5	1 53	9 23	1 57	9 25	1 18	10 54	1 22	11 53	0 44	14 52	0 9	19 58	2 57	21 49	22 0	6 49	6 27	2 33
S 6	16 31	24 58	3 41	7 17	2 31	25 11	1 55	9 18	1 55	9 24	1 18	10 52	1 22	11 52	0 44	14 51	0 9	19 58	2 57	21 49	22 0	6 46	6 28	2 33
M 7	16 47	22 58	4 24	7 58	2 26	25 16	1 57	9 11	1 53	9 24	1 18	10 51	1 22	11 52	0 44	14 51	0 9	19 58	2 57	21 49	21 59	6 43	6 29	2 33
T 8	17 4	19 57	4 54	8 39	2 21	25 20	1 59	9 5	1 51	9 24	1 18	10 50	1 22	11 51	0 44	14 51	0 9	19 58	2 57	21 49	21 59	6 40	6 31	2 33
W 9	17 20	16 9	5 11	9 20	2 16	25 24	2 1	8 58	1 49	9 23	1 18	10 49	1 23	11 51	0 44	14 51	0 9	19 58	2 57	21 49	21 58	6 37	6 32	2 33
T 10	17 36	11 46	5 14	10 2	2 10	25 28	2 3	8 52	1 46	9 23	1 17	10 48	1 23	11 50	0 44	14 51	0 9	19 58	2 57	21 49	21 58	6 34	6 33	2 33
F 11	17 51	6 57	5 4	10 45	2 3	25 30	2 5	8 45	1 44	9 22	1 17	10 47	1 23	11 50	0 44	14 51	0 9	19 58	2 57	21 48	21 57	6 31	6 34	2 33
S 12	18 7	1 53	4 41	11 28	1 56	25 32	2 7	8 38	1 42	9 22	1 17	10 46	1 23	11 49	0 44	14 51	0 9	19 58	2 56	21 48	21 57	6 28	6 35	2 33
S 13	18 22	3n17	4 5	12 12	1 49	25 33	2 9	8 30	1 40	9 21	1 17	10 44	1 23	11 49	0 44	14 51	0 9	19 58	2 56	21 48	21 56	6 26	6 36	2 33
M14	18 36	8 25	3 18	12 55	1 41	25 33	2 10	8 23	1 38	9 20	1 17	10 43	1 24	11 49	0 44	14 50	0 9	19 58	2 56	21 47	21 56	6 23	6 38	2 33
T 15	18 51	13 17	2 22	13 39	1 32	25 33	2 12	8 15	1 36	9 20	1 16	10 42	1 24	11 48	0 44	14 50	0 9	19 58	2 56	21 47	21 56	6 20	6 39	2 33
W16	19 5	17 42	1 17	14 23	1 24	25 32	2 13	8 8	1 34	9 19	1 16	10 42	1 24	11 48	0 44	14 50	0 9	19 58	2 56	21 47	21 55	6 17	6 40	2 33
T 17	19 18	21 24	0 8	15 7	1 14	25 31	2 15	8 0	1 32	9 18	1 16	10 41	1 24	11 48	0 44	14 50	0 9	19 58	2 56	21 47	21 55	6 14	6 41	2 33
F 18	19 32	24 6	1n 2	15 51	1 5	25 28	2 16	7 52	1 30	9 17	1 16	10 40	1 24	11 48	0 44	14 50	0 9	19 58	2 56	21 47	21 54	6 11	6 42	2 34
S 19	19 45	25 34	2 11	16 34	0 55	25 25	2 17	7 43	1 28	9 16	1 16	10 39	1 25	11 47	0 44	14 50	0 9	19 58	2 56	21 47	21 54	6 8	6 43	2 34
S 20	19 57	25 35	3 14	17 17	0 45	25 22	2 19	7 35	1 26	9 15	1 16	10 38	1 25	11 47	0 44	14 50	0 9	19 58	2 56	21 47	21 53	6 5	6 44	2 34
M21	20 10	24 6	4 7	17 59	0 35	25 17	2 20	7 26	1 24	9 13	1 15	10 37	1 25	11 47	0 45	14 50	0 9	19 58	2 56	21 47	21 53	6 2	6 45	2 34
T 22	20 22	21 10	4 47	18 40	0 25	25 12	2 21	7 17	1 23	9 12	1 15	10 37	1 25	11 47	0 45	14 50	0 9	19 58	2 55	21 47	21 52	6 0	6 46	2 34
W23	20 33	17 0	5 11	19 20	0 14	25 7	2 22	7 8	1 21	9 11	1 15	10 36	1 25	11 46	0 45	14 50	0 9	19 58	2 55	21 47	21 52	5 57	6 47	2 34
T 24	20 45	11 51	5 16	19 59	0 4	25 1	2 22	6 59	1 19	9 9	1 15	10 35	1 26	11 46	0 45	14 50	0 9	19 58	2 55	21 47	21 51	5 54	6 48	2 34
F 25	20 56	6 0	5 2	20 36	0n 7	24 54	2 23	6 50	1 17	9 8	1 15	10 35	1 26	11 46	0 45	14 50	0 9	19 58	2 55	21 47	21 51	5 51	6 49	2 34
S 26	21 6	0s13	4 29	21 12	0 18	24 46	2 24	6 41	1 15	9 7	1 14	10 34	1 26	11 46	0 45	14 50	0 9	19 58	2 55	21 47	21 50	5 48	6 50	2 34
S 27	21 17	6 27	3 39	21 46	0 28	24 38	2 24	6 31	1 13	9 5	1 14	10 33	1 26	11 46	0 45	14 50	0 9	19 58	2 55	21 47	21 50	5 45	6 51	2 34
M28	21 26	12 20	2 34	22 18	0 38	24 29	2 25	6 22	1 12	9 3	1 14	10 33	1 27	11 46	0 45	14 50	0 9	19 58	2 55	21 47	21 49	5 42	6 52	2 34
T 29	21 36	17 30	1 21	22 47	0 48	24 20	2 25	6 12	1 10	9 2	1 14	10 32	1 27	11 46	0 45	14 51	0 9	19 58	2 55	21 47	21 49	5 39	6 53	2 34
W30	21 45	21 37	0 4	23 15	0 57	24 10	2 25	6 2	1 8	9 0	1 14	10 32	1 27	11 45	0 45	14 51	0 9	19 58	2 55	21 47	21 48	5 36	6 54	2 34
T 31	21n54	24s23	1s12	23n39	1n 6	23n59	2n25	5n52	1n 7	8n58	1n14	10s32	1s27	11s45	0s45	14s51	0s 9	19n58	2s55	21n47	21n48	5s33	6n55	2n34

Julian Day Number = 2513756.5, Delta T = 136.72 sec
Ecliptic obliquity = 23°25'05, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°07'14, Lahiri = 26°14'14

ASTRODIENST EPHEMERIS for the year 2170
geocentric

JUNE 2170 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 38 27	10♊43'08	5♉39	17♊ 3	23♋16	18♍ 6	10♍ 2	6♓22	1♓ 9	20°R18	12♋13	9°R 1	9♊ 4	27♓25	11♈34	F 1
S 2	16 42 24	11°40'40	18°49	19°11	24°22	18°28	10° 6	6°24	1° 9	20♒18	12°15	9♊ 1	9° 1	27°32	11°36	S 2
S 3	16 46 20	12°38'12	1♒38	21°19	25°28	18°51	10°11	6°25	1° 9	20°18	12°16	9° 1	8°58	27°39	11°38	S 3
M 4	16 50 17	13°35'42	14° 9	23°25	26°34	19°14	10°16	6°26	1° 9	20°17	12°17	9° 0	8°55	27°45	11°41	M 4
T 5	16 54 13	14°33'12	26°24	25°29	27°40	19°37	10°21	6°28	1°R10	20°17	12°19	9° 0	8°52	27°52	11°43	T 5
W 6	16 58 10	15°30'41	8♓27	27°31	28°46	20° 1	10°27	6°29	1°10	20°16	12°20	8°59	8°48	27°59	11°45	W 6
T 7	17 2 7	16°28'09	20°23	29°32	29°51	20°25	10°32	6°30	1° 9	20°16	12°21	8°D59	8°45	28° 6	11°46	T 7
F 8	17 6 3	17°25'36	2♈16	1♋30	0♌57	20°49	10°38	6°31	1° 9	20°16	12°23	9° 0	8°42	28°12	11°48	F 8
S 9	17 10 0	18°23'03	14°10	3°25	2° 2	21°14	10°43	6°31	1° 9	20°15	12°24	9° 0	8°39	28°19	11°50	S 9
S 10	17 13 56	19°20'29	26°10	5°19	3° 7	21°39	10°49	6°32	1° 9	20°14	12°25	9° 1	8°36	28°26	11°52	S 10
M11	17 17 53	20°17'54	8♉21	7°10	4°11	22° 4	10°55	6°33	1° 9	20°14	12°27	9° 2	8°32	28°32	11°54	M11
T 12	17 21 49	21°15'19	20°44	8°58	5°16	22°29	11° 1	6°33	1° 8	20°13	12°28	9° 3	8°29	28°39	11°56	T 12
W13	17 25 46	22°12'43	3♊23	10°44	6°20	22°55	11° 8	6°34	1° 8	20°13	12°30	9°R 4	8°26	28°46	11°57	W13
T 14	17 29 42	23°10'07	16°19	12°27	7°24	23°21	11°14	6°34	1° 8	20°12	12°31	9° 4	8°23	28°53	11°59	T 14
F 15	17 33 39	24° 7'30	29°33	14° 8	8°28	23°47	11°21	6°34	1° 7	20°11	12°33	9° 3	8°20	28°59	12° 0	F 15
S 16	17 37 36	25° 4'52	13♋ 3	15°46	9°31	24°14	11°28	6°34	1° 7	20°10	12°34	9° 1	8°17	29° 6	12° 2	S 16
S 17	17 41 32	26° 2'13	26°48	17°22	10°35	24°41	11°34	6°R34	1° 6	20°10	12°35	8°59	8°13	29°13	12° 4	S 17
M18	17 45 29	26°59'34	10♌44	18°55	11°38	25° 8	11°41	6°34	1° 5	20° 9	12°37	8°57	8°10	29°19	12° 5	M18
T 19	17 49 25	27°56'53	24°50	20°25	12°40	25°35	11°49	6°34	1° 5	20° 8	12°38	8°55	8° 7	29°26	12° 6	T 19
W20	17 53 22	28°54'12	9♍ 1	21°53	13°43	26° 3	11°56	6°34	1° 4	20° 7	12°40	8°53	8° 4	29°33	12° 8	W20
T 21	17 57 18	29°51'30	23°15	23°18	14°45	26°31	12° 3	6°33	1° 3	20° 6	12°41	8°D52	8° 1	29°40	12° 9	T 21
F 22	18 1 15	0♋48'47	7♎28	24°40	15°47	26°59	12°11	6°33	1° 3	20° 5	12°43	8°52	7°58	29°46	12°10	F 22
S 23	18 5 11	1°46'03	21°40	26° 0	16°48	27°27	12°18	6°32	1° 2	20° 5	12°44	8°53	7°54	29°53	12°11	S 23
S 24	18 9 8	2°43'18	5♏46	27°16	17°49	27°56	12°26	6°31	1° 1	20° 4	12°46	8°54	7°51	29°59	12°13	S 24
M25	18 13 5	3°40'33	19°46	28°30	18°50	28°24	12°34	6°31	1° 0	20° 3	12°47	8°56	7°48	0♈ 6	12°14	M25
T 26	18 17 1	4°37'47	3♐37	29°41	19°51	28°53	12°42	6°30	0°59	20° 2	12°49	8°R56	7°45	0°13	12°15	T 26
W27	18 20 58	5°35'01	17°18	0♌49	20°51	29°22	12°50	6°29	0°58	20° 1	12°50	8°56	7°42	0°20	12°16	W27
T 28	18 24 54	6°32'14	0♑46	1°54	21°51	29°52	12°58	6°28	0°57	20° 0	12°52	8°55	7°38	0°27	12°17	T 28
F 29	18 28 51	7°29'27	13°59	2°56	22°50	0♎21	13° 7	6°26	0°56	19°58	12°53	8°52	7°35	0°33	12°18	F 29
S 30	18 32 47	8♋26'40	26♑57	3♌54	23♌50	0♎51	13♍15	6♓25	0♓55	19♒57	12♋55	8♊48	7♊32	0♈40	12♈18	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n 2	25s40	2s22	24n 2	1n15	23n48	2n25	5n42	1n 5	8n56	1n13	10s31	1s27	11s45	0s45	14s51	0s 9	19n58	2s54	21n47	21n47	5s30	6n56	2n34
S 2	22 10	25 27	3 23	24 21	1 23	23 36	2 25	5 32	1 3	8 54	1 13	10 31	1 28	11 45	0 45	14 51	0 9	19 58	2 54	21 47	21 47	5 27	6 57	2 34
S 3	22 18	23 52	4 12	24 38	1 30	23 24	2 25	5 21	1 2	8 52	1 13	10 31	1 28	11 45	0 45	14 51	0 9	19 58	2 54	21 47	21 46	5 25	6 58	2 34
M 4	22 25	21 9	4 48	24 52	1 37	23 11	2 24	5 11	1 0	8 50	1 13	10 30	1 28	11 45	0 45	14 51	0 9	19 58	2 54	21 47	21 46	5 22	6 59	2 34
T 5	22 31	17 33	5 9	25 3	1 43	22 57	2 24	5 0	0 58	8 48	1 13	10 30	1 28	11 45	0 45	14 51	0 9	19 58	2 54	21 47	21 45	5 19	7 0	2 34
W 6	22 38	13 17	5 17	25 12	1 48	22 43	2 23	4 49	0 57	8 46	1 13	10 30	1 28	11 45	0 45	14 51	0 9	19 57	2 54	21 47	21 45	5 16	7 0	2 34
T 7	22 44	8 34	5 10	25 18	1 53	22 29	2 22	4 38	0 55	8 44	1 12	10 30	1 29	11 45	0 45	14 52	0 9	19 57	2 54	21 47	21 44	5 13	7 1	2 34
F 8	22 49	3 33	4 51	25 21	1 56	22 14	2 21	4 27	0 54	8 41	1 12	10 29	1 29	11 46	0 45	14 52	0 9	19 57	2 54	21 47	21 44	5 10	7 2	2 35
S 9	22 55	1n36	4 19	25 22	1 59	21 58	2 20	4 16	0 52	8 39	1 12	10 29	1 29	11 46	0 45	14 52	0 9	19 57	2 54	21 47	21 44	5 7	7 3	2 35
S 10	22 59	6 45	3 36	25 20	2 2	21 42	2 19	4 5	0 51	8 37	1 12	10 29	1 29	11 46	0 45	14 52	0 9	19 57	2 54	21 47	21 43	5 4	7 4	2 35
M11	23 4	11 43	2 42	25 17	2 3	21 26	2 18	3 54	0 49	8 34	1 12	10 29	1 30	11 46	0 45	14 52	0 9	19 57	2 54	21 47	21 43	5 1	7 4	2 35
T 12	23 8	16 19	1 40	25 11	2 4	21 9	2 17	3 42	0 48	8 32	1 12	10 29	1 30	11 46	0 45	14 53	0 9	19 57	2 54	21 47	21 42	4 58	7 5	2 35
W13	23 11	20 18	0 31	25 3	2 4	20 51	2 15	3 31	0 46	8 29	1 11	10 29	1 30	11 46	0 45	14 53	0 9	19 57	2 53	21 47	21 42	4 55	7 6	2 35
T 14	23 15	23 23	0n40	24 53	2 3	20 33	2 14	3 19	0 45	8 27	1 11	10 29	1 30	11 46	0 45	14 53	0 9	19 57	2 53	21 47	21 41	4 52	7 7	2 35
F 15	23 17	25 16	1 51	24 41	2 2	20 15	2 12	3 8	0 43	8 24	1 11	10 30	1 30	11 47	0 46	14 53	0 9	19 57	2 53	21 47	21 41	4 49	7 7	2 35
S 16	23 20	25 43	2 57	24 28	1 59	19 56	2 10	2 56	0 42	8 21	1 11	10 30	1 31	11 47	0 46	14 54	0 9	19 57	2 53	21 47	21 40	4 46	7 8	2 35
S 17	23 22	24 36	3 54	24 13	1 56	19 37	2 8	2 44	0 40	8 18	1 11	10 30	1 31	11 47	0 46	14 54	0 9	19 57	2 53	21 47	21 40	4 43	7 9	2 35
M18	23 23	21 58	4 38	23 57	1 53	19 18	2 6	2 32	0 39	8 16	1 11	10 30	1 31	11 47	0 46	14 54	0 9	19 57	2 53	21 46	21 39	4 40	7 9	2 35
T 19	23 24	18 1	5 5	23 39	1 48	18 58	2 3	2 20	0 38	8 13	1 10	10 31	1 31	11 48	0 46	14 54	0 9	19 57	2 53	21 46	21 39	4 37	7 10	2 35
W20	23 25	13 2	5 15	23 20	1 43	18 37	2 1	2 8	0 36	8 10	1 10	10 31	1 32	11 48	0 46	14 55	0 9	19 57	2 53	21 46	21 38	4 34	7 10	2 35
T 21	23 25	7 21	5 5	23 1	1 38	18 17	1 58	1 55	0 35	8 7	1 10	10 31	1 32	11 48	0 46	14 55	0 9	19 57	2 53	21 46	21 37	4 31	7 11	2 35
F 22	23 25	1 16	4 36	22 40	1 31	17 56	1 56	1 43	0 34	8 4	1 10	10 32	1 32	11 48	0 46	14 55	0 9	19 57	2 53	21 46	21 37	4 29	7 11	2 35
S 23	23 24	4s51	3 51	22 18	1 24	17 35	1 53	1 31	0 32	8 1	1 10	10 32	1 32	11 49	0 46	14 55	0 9	19 57	2 53	21 46	21 36	4 26	7 12	2 36
S 24	23 23	10 43	2 52	21 56	1 16	17 13	1 50	1 18	0 31	7 58	1 10	10 32	1 32	11 49	0 46	14 56	0 9	19 56	2 53	21 46	21 36	4 23	7 13	2 36
M25	23 22	16 0	1 43	21 33	1 8	16 51	1 46	1 5	0 30	7 55	1 10	10 33	1 33	11 49	0 46	14 56	0 9	19 56	2 53	21 46	21 35	4 20	7 13	2 36
T 26	23 20	20 23	0 29	21 10	0 59	16 29	1 43	0 53	0 28	7 51	1 9	10 33	1 33	11 50	0 46	14 56	0 9	19 56	2 53	21 46	21 35	4 17	7 13	2 36
W27	23 18	23 34	0s46	20 46	0 50	16 6	1 40	0 40	0 27	7 48	1 9	10 34	1 33	11 50	0 46	14 57	0 9	19 56	2 52	21 46	21 34	4 14	7 14	2 36
T 28	23 15	25 22	1 57	20 22	0 40	15 43	1 36	0 27	0 26	7 45	1 9	10 35	1 33	11 51	0 46	14 57	0 9	19 56	2 52	21 46	21 34	4 11	7 14	2 36
F 29	23 12	25 40	3 0	19 57	0 29	15 20	1 32	0 14	0 25	7 41	1 9	10 35	1 33	11 51	0 46	14 57	0 9	19 56	2 52	21 46	21 33	4 8	7 15	2 36
S 30	23n 9	24s33	3s53	19n33	0n18	14n57	1n28	0n 1	0n24	7n38	1n 9	10s36	1s34	11s51	0s46	14s58	0s 9	19n56	2s52	21n45	21n33	4s 5	7n15	2n36

Julian Day Number = 2513787.5, Delta T = 136.79 sec
Ecliptic obliquity = 23°25'04, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°07'18, Lahiri = 26°14'18

ASTRODIENST EPHEMERIS for the year 2170
geocentric

JULY 2170

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 36 44	9♋23'52	9♒40	4♌49	24♌48	1♎21	13♍24	6°R24	0°R54	19°R56	12♋56	8°R43	7♊29	0♈47	12♈19	S 1
M 2	18 40 40	10°21'05	22° 7	5°41	25°47	1°51	13°32	6♓22	0♓52	19♒55	12°58	8♊38	7°26	0°53	12°20	M 2
T 3	18 44 37	11°18'17	4♓20	6°29	26°44	2°22	13°41	6°21	0°51	19°54	12°59	8°33	7°23	1° 0	12°21	T 3
W 4	18 48 34	12°15'29	16°23	7°14	27°42	2°52	13°50	6°19	0°50	19°53	13° 1	8°29	7°19	1° 7	12°21	W 4
T 5	18 52 30	13°12'42	28°19	7°55	28°39	3°23	13°59	6°18	0°49	19°52	13° 2	8°27	7°16	1°14	12°22	T 5
F 6	18 56 27	14° 9'54	10♈11	8°32	29°36	3°54	14° 8	6°16	0°47	19°50	13° 4	8°D25	7°13	1°20	12°22	F 6
S 7	19 0 23	15° 7'07	22° 5	9° 5	0♍32	4°25	14°17	6°14	0°46	19°49	13° 5	8°26	7°10	1°27	12°23	S 7
S 8	19 4 20	16° 4'20	4♉ 5	9°34	1°27	4°56	14°27	6°12	0°44	19°48	13° 7	8°27	7° 7	1°34	12°23	S 8
M 9	19 8 16	17° 1'33	16°17	9°59	2°22	5°28	14°36	6°10	0°43	19°47	13° 8	8°28	7° 4	1°40	12°24	M 9
T 10	19 12 13	17°58'47	28°44	10°19	3°17	6° 0	14°46	6° 8	0°41	19°45	13°10	8°30	7° 0	1°47	12°24	T 10
W11	19 16 9	18°56'01	11♊31	10°35	4°11	6°31	14°55	6° 5	0°40	19°44	13°11	8°R30	6°57	1°54	12°24	W11
T 12	19 20 6	19°53'15	24°40	10°46	5° 5	7° 3	15° 5	6° 3	0°38	19°43	13°13	8°29	6°54	2° 1	12°24	T 12
F 13	19 24 3	20°50'30	8♋12	10°53	5°58	7°36	15°15	6° 0	0°36	19°41	13°14	8°26	6°51	2° 7	12°25	F 13
S 14	19 27 59	21°47'45	22° 5	10°R54	6°50	8° 8	15°25	5°58	0°35	19°40	13°16	8°21	6°48	2°14	12°25	S 14
S 15	19 31 56	22°45'00	6♌16	10°51	7°42	8°41	15°35	5°55	0°33	19°38	13°17	8°15	6°45	2°21	12°R25	S 15
M16	19 35 52	23°42'15	20°41	10°44	8°33	9°13	15°45	5°53	0°31	19°37	13°19	8° 8	6°41	2°27	12°25	M16
T 17	19 39 49	24°39'30	5♍12	10°31	9°23	9°46	15°55	5°50	0°30	19°36	13°20	8° 1	6°38	2°34	12°25	T 17
W18	19 43 45	25°36'45	19°44	10°14	10°13	10°19	16° 5	5°47	0°28	19°34	13°22	7°55	6°35	2°41	12°24	W18
T 19	19 47 42	26°34'00	4♎11	9°53	11° 2	10°52	16°15	5°44	0°26	19°33	13°23	7°51	6°32	2°48	12°24	T 19
F 20	19 51 39	27°31'16	18°29	9°27	11°51	11°26	16°26	5°41	0°24	19°31	13°25	7°49	6°29	2°54	12°24	F 20
S 21	19 55 35	28°28'31	2♏35	8°58	12°38	11°59	16°36	5°38	0°22	19°30	13°26	7°D49	6°25	3° 1	12°24	S 21
S 22	19 59 32	29°25'47	16°29	8°25	13°25	12°33	16°47	5°35	0°20	19°28	13°28	7°50	6°22	3° 8	12°23	S 22
M23	20 3 28	0♌23'02	0♐10	7°48	14°11	13° 7	16°57	5°32	0°18	19°27	13°29	7°51	6°19	3°14	12°23	M23
T 24	20 7 25	1°20'18	13°38	7°10	14°56	13°41	17° 8	5°28	0°16	19°25	13°31	7°R51	6°16	3°21	12°23	T 24
W25	20 11 21	2°17'35	26°55	6°29	15°40	14°15	17°19	5°25	0°14	19°24	13°32	7°49	6°13	3°28	12°22	W25
T 26	20 15 18	3°14'52	10♑ 0	5°47	16°23	14°49	17°30	5°22	0°12	19°22	13°33	7°45	6°10	3°34	12°22	T 26
F 27	20 19 14	4°12'09	22°53	5° 5	17° 5	15°23	17°41	5°18	0°10	19°20	13°35	7°39	6° 6	3°41	12°21	F 27
S 28	20 23 11	5° 9'27	5♒35	4°23	17°47	15°58	17°52	5°15	0° 8	19°19	13°36	7°30	6° 3	3°48	12°20	S 28
S 29	20 27 8	6° 6'45	18° 5	3°41	18°27	16°33	18° 3	5°11	0° 6	19°17	13°38	7°20	6° 0	3°55	12°20	S 29
M30	20 31 4	7° 4'04	0♓23	3° 2	19° 6	17° 7	18°14	5° 7	0° 4	19°16	13°39	7° 9	5°57	4° 1	12°19	M30
T 31	20 35 1	8♌ 1'24	12♓32	2♌25	19♍44	17♎42	18♍25	5♓ 4	0♓ 2	19♒14	13♋40	6♊59	5♊54	4♈ 8	12♈18	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n 5	22s12	4s33	19n 9	0n 6	14n34	1n24	0s12	0n22	7n35	1n 9	10s37	1s34	11s52	0s46	14s58	0s 9	19n56	2s52	21n44	21n32	4s 2	7n16	2n36
M 2	23 1	18 50	4 59	18 44	0s 6	14 10	1 20	0 25	0 21	7 31	1 9	10 37	1 34	11 52	0 46	14 59	0 9	19 56	2 52	21 43	21 32	3 59	7 16	2 36
T 3	22 56	14 44	5 11	18 20	0 19	13 46	1 15	0 38	0 20	7 28	1 8	10 38	1 34	11 53	0 46	14 59	0 9	19 56	2 52	21 43	21 31	3 56	7 16	2 36
W 4	22 51	10 6	5 9	17 56	0 32	13 22	1 11	0 51	0 19	7 24	1 8	10 39	1 35	11 53	0 46	14 59	0 9	19 56	2 52	21 42	21 31	3 53	7 17	2 36
T 5	22 46	5 9	4 53	17 33	0 45	12 58	1 6	1 5	0 18	7 21	1 8	10 40	1 35	11 54	0 46	15 0	0 10	19 56	2 52	21 42	21 30	3 50	7 17	2 36
F 6	22 40	0 2	4 25	17 10	0 59	12 33	1 1	1 18	0 16	7 17	1 8	10 41	1 35	11 54	0 46	15 0	0 10	19 56	2 52	21 41	21 30	3 47	7 17	2 36
S 7	22 34	5n 6	3 46	16 48	1 13	12 9	0 56	1 31	0 15	7 13	1 8	10 41	1 35	11 55	0 46	15 1	0 10	19 55	2 52	21 41	21 29	3 44	7 17	2 37
S 8	22 27	10 6	2 56	16 26	1 27	11 44	0 51	1 45	0 14	7 10	1 8	10 42	1 35	11 55	0 46	15 1	0 10	19 55	2 52	21 42	21 29	3 41	7 18	2 37
M 9	22 20	14 49	1 58	16 5	1 42	11 19	0 45	1 58	0 13	7 6	1 8	10 43	1 36	11 56	0 46	15 1	0 10	19 55	2 52	21 42	21 28	3 38	7 18	2 37
T 10	22 13	19 0	0 53	15 46	1 57	10 54	0 40	2 12	0 12	7 2	1 8	10 44	1 36	11 57	0 46	15 2	0 10	19 55	2 52	21 42	21 28	3 35	7 18	2 37
W11	22 5	22 25	0n16	15 27	2 12	10 29	0 34	2 25	0 11	6 58	1 7	10 45	1 36	11 57	0 46	15 2	0 10	19 55	2 52	21 42	21 27	3 32	7 18	2 37
T 12	21 57	24 45	1 27	15 10	2 27	10 4	0 28	2 39	0 10	6 54	1 7	10 46	1 36	11 58	0 46	15 3	0 10	19 55	2 52	21 42	21 27	3 29	7 18	2 37
F 13	21 48	25 43	2 34	14 54	2 42	9 39	0 22	2 53	0 9	6 51	1 7	10 48	1 36	11 58	0 46	15 3	0 10	19 55	2 52	21 41	21 26	3 26	7 18	2 37
S 14	21 39	25 7	3 34	14 39	2 57	9 14	0 15	3 7	0 8	6 47	1 7	10 49	1 37	11 59	0 47	15 4	0 10	19 55	2 52	21 41	21 25	3 23	7 19	2 37
S 15	21 30	22 54	4 21	14 26	3 11	8 49	0 9	3 20	0 6	6 43	1 7	10 50	1 37	12 0	0 47	15 4	0 10	19 55	2 51	21 40	21 25	3 20	7 19	2 37
M16	21 20	19 13	4 54	14 14	3 25	8 24	0 2	3 34	0 5	6 39	1 7	10 51	1 37	12 0	0 47	15 4	0 10	19 55	2 51	21 39	21 24	3 17	7 19	2 37
T 17	21 10	14 21	5 7	14 4	3 39	7 58	0s 5	3 48	0 4	6 35	1 7	10 52	1 37	12 1	0 47	15 5	0 10	19 54	2 51	21 38	21 24	3 14	7 19	2 37
W18	21 0	8 41	5 1	13 56	3 52	7 33	0 12	4 2	0 3	6 31	1 7	10 53	1 37	12 2	0 47	15 5	0 10	19 54	2 51	21 37	21 23	3 11	7 19	2 37
T 19	20 49	2 34	4 36	13 50	4 4	7 8	0 19	4 16	0 2	6 26	1 7	10 55	1 37	12 2	0 47	15 6	0 10	19 54	2 51	21 36	21 23	3 8	7 19	2 37
F 20	20 38	3s38	3 54	13 46	4 16	6 43	0 26	4 30	0 1	6 22	1 6	10 56	1 38	12 3	0 47	15 6	0 10	19 54	2 51	21 36	21 22	3 5	7 19	2 38
S 21	20 27	9 34	2 58	13 43	4 26	6 18	0 34	4 44	0 0	6 18	1 6	10 57	1 38	12 4	0 47	15 7	0 10	19 54	2 51	21 36	21 22	3 2	7 19	2 38
S 22	20 15	14 57	1 52	13 43	4 35	5 52	0 42	4 58	0s 1	6 14	1 6	10 59	1 38	12 4	0 47	15 7	0 10	19 54	2 51	21 36	21 21	2 59	7 19	2 38
M23	20 3	19 30	0 41	13 44	4 43	5 28	0 49	5 12	0 2	6 10	1 6	11 0	1 38	12 5	0 47	15 8	0 10	19 54	2 51	21 36	21 21	2 56	7 19	2 38
T 24	19 51	22 56	0s31	13 47	4 50	5 3	0 58	5 26	0 3	6 6	1 6	11 1	1 38	12 6	0 47	15 8	0 10	19 54	2 51	21 36	21 20	2 53	7 19	2 38
W25	19 38	25 3	1 40	13 53	4 55	4 38	1 6	5 40	0 4	6 1	1 6	11 3	1 39	12 6	0 47	15 9	0 10	19 54	2 51	21 36	21 20	2 50	7 18	2 38
T 26	19 25	25 45	2 43	14 0	4 58	4 13	1 14	5 54	0 5	5 57	1 6	11 4	1 39	12 7	0 47	15 9	0 10	19 54	2 51	21 35	21 19	2 47	7 18	2 38
F 27	19 11	25 2	3 37	14 8	4 59	3 49	1 23	6 8	0 6	5 53	1 6	11 5	1 39	12 8	0 47	15 10	0 10	19 53	2 51	21 34	21 18	2 43	7 18	2 38
S 28	18 58	23 2	4 18	14 18	4 59	3 25	1 32	6 23	0 7	5 48	1 6	11 7	1 39	12 9	0 47	15 10	0 10	19 53	2 51	21 33	21 18	2 40	7 18	2 38
S 29	18 44	19 57	4 47	14 30	4 57	3 1	1 41	6 37	0 8	5 44	1 6	11 8	1 39	12 9	0 47	15 11	0 10	19 53	2 51	21 31	21 17	2 37	7 18	2 38
M30	18 29	16 1	5 1	14 42	4 53	2 37	1 50	6 51	0 8	5 39	1 6	11 10	1 39	12 10	0 47	15 11	0 10	19 53	2 51	21 29	21 17	2 34	7 17	2 38
T 31	18n15	11s30	5s 2	14n56	4s48	2n13	2s 0	7s 5	0s 9	5n35	1n 5	11s11	1s40	12s11	0s47	15s12	0s10	19n53	2s51	21n27	21n16	2s31	7n17	2n38

Julian Day Number = 2513817.5, Delta T = 136.85 sec
Ecliptic obliquity = 23°25'05, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°07'22, Lahiri = 26°14'22

ASTRODIENST EPHEMERIS for the year 2170
geocentric

AUGUST 2170 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 38 57	8♌58'44	24♓31	1°R51	20♍21	18♎17	18♍36	5°R 0	29°R59	19°R13	13♋42	6°R50	5♊50	4♈15	12°R17	W 1
T 2	20 42 54	9°56'06	6♈24	1♌21	20°56	18°53	18°48	4♓56	29♒57	19♒11	13°43	6♊43	5°47	4°21	12♈17	T 2
F 3	20 46 50	10°53'28	18°15	0°55	21°31	19°28	18°59	4°52	29°55	19° 9	13°45	6°38	5°44	4°28	12°16	F 3
S 4	20 50 47	11°50'52	0♉ 7	0°34	22° 4	20° 3	19°10	4°48	29°53	19° 8	13°46	6°35	5°41	4°35	12°15	S 4
S 5	20 54 43	12°48'17	12° 5	0°19	22°36	20°39	19°22	4°44	29°51	19° 6	13°47	6°D35	5°38	4°42	12°14	S 5
M 6	20 58 40	13°45'43	24°15	0° 9	23° 6	21°15	19°34	4°40	29°49	19° 5	13°49	6°35	5°35	4°48	12°12	M 6
T 7	21 2 37	14°43'10	6♊42	0°D 6	23°35	21°51	19°45	4°36	29°46	19° 3	13°50	6°R35	5°31	4°55	12°11	T 7
W 8	21 6 33	15°40'39	19°30	0° 8	24° 2	22°27	19°57	4°32	29°44	19° 1	13°51	6°35	5°28	5° 2	12°10	W 8
T 9	21 10 30	16°38'08	2♋44	0°18	24°28	23° 3	20° 9	4°28	29°42	19° 0	13°53	6°32	5°25	5° 8	12° 9	T 9
F 10	21 14 26	17°35'39	16°24	0°34	24°52	23°39	20°20	4°23	29°39	18°58	13°54	6°27	5°22	5°15	12° 8	F 10
S 11	21 18 23	18°33'11	0♌32	0°57	25°15	24°15	20°32	4°19	29°37	18°56	13°55	6°19	5°19	5°22	12° 6	S 11
S 12	21 22 19	19°30'44	15° 3	1°27	25°35	24°52	20°44	4°15	29°35	18°55	13°56	6°10	5°16	5°28	12° 5	S 12
M13	21 26 16	20°28'19	29°51	2° 3	25°54	25°29	20°56	4°11	29°32	18°53	13°58	5°59	5°12	5°35	12° 3	M13
T 14	21 30 12	21°25'54	14♍47	2°46	26°12	26° 5	21° 8	4° 6	29°30	18°51	13°59	5°49	5° 9	5°42	12° 2	T 14
W15	21 34 9	22°23'30	29°43	3°36	26°27	26°42	21°20	4° 2	29°28	18°50	14° 0	5°40	5° 6	5°49	12° 0	W15
T 16	21 38 6	23°21'07	14♎30	4°32	26°40	27°19	21°32	3°57	29°25	18°48	14° 1	5°33	5° 3	5°55	11°59	T 16
F 17	21 42 2	24°18'45	29° 1	5°34	26°51	27°56	21°45	3°53	29°23	18°47	14° 3	5°29	5° 0	6° 2	11°57	F 17
S 18	21 45 59	25°16'24	13♏13	6°43	27° 0	28°33	21°57	3°49	29°20	18°45	14° 4	5°27	4°56	6° 9	11°56	S 18
S 19	21 49 55	26°14'04	27° 5	7°57	27° 7	29°11	22° 9	3°44	29°18	18°43	14° 5	5°27	4°53	6°15	11°54	S 19
M20	21 53 52	27°11'46	10♐37	9°17	27°12	29°48	22°21	3°40	29°16	18°42	14° 6	5°27	4°50	6°22	11°52	M20
T 21	21 57 48	28° 9'28	23°52	10°42	27°14	0♏26	22°34	3°35	29°13	18°40	14° 7	5°26	4°47	6°29	11°50	T 21
W22	22 1 45	29° 7'11	6♑52	12°13	27°R14	1° 3	22°46	3°31	29°11	18°39	14° 8	5°23	4°44	6°36	11°49	W22
T 23	22 5 41	0♍ 4'55	19°39	13°47	27°12	1°41	22°58	3°26	29° 9	18°37	14°10	5°17	4°41	6°42	11°47	T 23
F 24	22 9 38	1° 2'41	2♒14	15°27	27° 8	2°19	23°11	3°21	29° 6	18°35	14°11	5° 9	4°37	6°49	11°45	F 24
S 25	22 13 35	2° 0'27	14°39	17° 9	27° 1	2°57	23°23	3°17	29° 4	18°34	14°12	4°58	4°34	6°56	11°43	S 25
S 26	22 17 31	2°58'15	26°56	18°55	26°51	3°35	23°36	3°12	29° 1	18°32	14°13	4°45	4°31	7° 2	11°41	S 26
M27	22 21 28	3°56'04	9♓ 4	20°45	26°40	4°14	23°48	3° 8	28°59	18°31	14°14	4°31	4°28	7° 9	11°39	M27
T 28	22 25 24	4°53'55	21° 5	22°36	26°25	4°52	24° 1	3° 3	28°57	18°29	14°15	4°18	4°25	7°16	11°37	T 28
W29	22 29 21	5°51'47	3♈ 0	24°30	26° 9	5°30	24°13	2°59	28°54	18°27	14°16	4° 5	4°22	7°22	11°35	W29
T 30	22 33 17	6°49'41	14°50	26°25	25°50	6° 9	24°26	2°54	28°52	18°26	14°17	3°56	4°18	7°29	11°33	T 30
F 31	22 37 14	7♍47'37	26♈40	28♌21	25♍29	6♏47	24♍39	2♓50	28♒50	18♒24	14♋18	3♊49	4♊15	7♈36	11♈30	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18n 0	6s36	4s49	15n10	4s41	1n50	2s 9	7s19	0s10	5n30	1n 5	11s13	1s40	12s12	0s47	15s12	0s10	19n53	2s51	21n26	21n16	2s28	7n17	2n38
T 2	17 45	1 30	4 24	15 25	4 32	1 27	2 19	7 34	0 11	5 26	1 5	11 15	1 40	12 13	0 47	15 13	0 10	19 53	2 51	21 25	21 15	2 25	7 17	2 38
F 3	17 29	3n38	3 48	15 40	4 22	1 5	2 29	7 48	0 12	5 21	1 5	11 16	1 40	12 13	0 47	15 13	0 10	19 53	2 51	21 24	21 15	2 22	7 16	2 38
S 4	17 13	8 40	3 1	15 56	4 11	0 42	2 39	8 2	0 13	5 17	1 5	11 18	1 40	12 14	0 47	15 14	0 10	19 53	2 51	21 23	21 14	2 19	7 16	2 39
S 5	16 57	13 26	2 7	16 11	3 58	0 20	2 50	8 16	0 14	5 12	1 5	11 19	1 40	12 15	0 47	15 14	0 10	19 52	2 51	21 23	21 13	2 16	7 16	2 39
M 6	16 41	17 46	1 5	16 26	3 45	0s 1	3 0	8 31	0 15	5 8	1 5	11 21	1 40	12 16	0 47	15 15	0 10	19 52	2 51	21 23	21 13	2 13	7 15	2 39
T 7	16 24	21 25	0n 1	16 41	3 30	0 23	3 11	8 45	0 16	5 3	1 5	11 23	1 41	12 17	0 47	15 15	0 10	19 52	2 51	21 23	21 12	2 10	7 15	2 39
W 8	16 7	24 8	1 8	16 55	3 15	0 43	3 22	8 59	0 16	4 58	1 5	11 24	1 41	12 17	0 47	15 16	0 10	19 52	2 51	21 23	21 12	2 7	7 14	2 39
T 9	15 50	25 37	2 14	17 9	2 59	1 4	3 33	9 13	0 17	4 54	1 5	11 26	1 41	12 18	0 47	15 16	0 10	19 52	2 51	21 23	21 11	2 4	7 14	2 39
F 10	15 33	25 38	3 15	17 21	2 43	1 23	3 44	9 27	0 18	4 49	1 5	11 27	1 41	12 19	0 47	15 17	0 10	19 52	2 51	21 22	21 11	2 1	7 14	2 39
S 11	15 15	24 0	4 5	17 32	2 27	1 43	3 55	9 41	0 19	4 44	1 5	11 29	1 41	12 20	0 47	15 17	0 10	19 52	2 51	21 21	21 10	1 58	7 13	2 39
S 12	14 57	20 47	4 41	17 42	2 10	2 1	4 7	9 56	0 20	4 40	1 5	11 31	1 41	12 21	0 47	15 18	0 10	19 52	2 51	21 19	21 10	1 55	7 13	2 39
M13	14 39	16 11	4 59	17 50	1 54	2 20	4 18	10 10	0 21	4 35	1 5	11 32	1 41	12 22	0 47	15 19	0 10	19 52	2 51	21 17	21 9	1 52	7 12	2 39
T 14	14 21	10 33	4 58	17 57	1 37	2 37	4 30	10 24	0 21	4 30	1 5	11 34	1 41	12 22	0 47	15 19	0 10	19 51	2 51	21 15	21 8	1 49	7 12	2 39
W15	14 2	4 19	4 35	18 2	1 21	2 54	4 42	10 38	0 22	4 25	1 4	11 36	1 41	12 23	0 47	15 20	0 10	19 51	2 51	21 14	21 8	1 46	7 11	2 39
T 16	13 43	2s 6	3 55	18 4	1 4	3 10	4 53	10 52	0 23	4 20	1 4	11 38	1 42	12 24	0 47	15 20	0 10	19 51	2 51	21 13	21 7	1 43	7 10	2 39
F 17	13 24	8 18	3 0	18 5	0 49	3 25	5 5	11 6	0 24	4 16	1 4	11 39	1 42	12 25	0 47	15 21	0 10	19 51	2 51	21 12	21 7	1 40	7 10	2 39
S 18	13 5	13 58	1 55	18 3	0 33	3 40	5 17	11 20	0 25	4 11	1 4	11 41	1 42	12 26	0 47	15 21	0 10	19 51	2 51	21 12	21 6	1 36	7 9	2 39
S 19	12 46	18 46	0 44	17 58	0 18	3 54	5 29	11 34	0 25	4 6	1 4	11 43	1 42	12 27	0 47	15 22	0 10	19 51	2 51	21 12	21 6	1 33	7 9	2 39
M20	12 26	22 28	0s27	17 51	0 4	4 6	5 41	11 48	0 26	4 1	1 4	11 44	1 42	12 27	0 47	15 22	0 10	19 51	2 51	21 12	21 5	1 30	7 8	2 39
T 21	12 6	24 52	1 36	17 41	0n 9	4 18	5 53	12 2	0 27	3 56	1 4	11 46	1 42	12 28	0 47	15 23	0 10	19 51	2 51	21 11	21 4	1 27	7 7	2 39
W22	11 46	25 52	2 38	17 28	0 22	4 29	6 5	12 16	0 28	3 51	1 4	11 48	1 42	12 29	0 47	15 23	0 10	19 51	2 50	21 11	21 4	1 24	7 7	2 39
T 23	11 26	25 27	3 31	17 13	0 34	4 39	6 17	12 30	0 29	3 46	1 4	11 50	1 42	12 30	0 47	15 24	0 10	19 50	2 50	21 10	21 3	1 21	7 6	2 39
F 24	11 6	23 44	4 12	16 55	0 45	4 48	6 29	12 44	0 29	3 41	1 4	11 51	1 42	12 31	0 47	15 24	0 10	19 50	2 50	21 8	21 3	1 18	7 5	2 39
S 25	10 45	20 54	4 41	16 34	0 55	4 56	6 40	12 57	0 30	3 36	1 4	11 53	1 42	12 32	0 47	15 25	0 10	19 50	2 50	21 6	21 2	1 15	7 4	2 39
S 26	10 24	17 10	4 57	16 10	1 5	5 2	6 51	13 11	0 31	3 31	1 4	11 55	1 42	12 32	0 47	15 25	0 10	19 50	2 50	21 4	21 2	1 12	7 4	2 39
M27	10 3	12 46	4 59	15 43	1 13	5 8	7 2	13 25	0 31	3 26	1 4	11 57	1 43	12 33	0 47	15 26	0 10	19 50	2 50	21 2	21 1	1 9	7 3	2 40
T 28	9 42	7 56	4 47	15 14	1 20	5 12	7 13	13 38	0 32	3 21	1 4	11 58	1 43	12 34	0 47	15 26	0 10	19 50	2 50	20 59	21 0	1 6	7 2	2 40
W29	9 21	2 50	4 23	14 43	1 27	5 15	7 23	13 52	0 33	3 16	1 4	12 0	1 43	12 35	0 47	15 27	0 10	19 50	2 50	20 57	21 0	1 3	7 1	2 40
T 30	9 0	2n21	3 48	14 9	1 32	5 17	7 33	14 5	0 34	3 11	1 4	12 2	1 43	12 36	0 47	15 27	0 10	19 50	2 50	20 55	20 59	1 0	7 1	2 40
F 31	8n38	7n26	3s 2	13n33	1n37	5s17	7s43	14s19	0s34	3n 6	1n 4	12s 3	1s43	12s37	0s47	15s28	0s10	19n50	2s50	20n54	20n59	0s57	7n 0	2n40

Julian Day Number = 2513848.5, Delta T = 136.92 sec
Ecliptic obliquity = 23°25'05, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°07'26, Lahiri = 26°14'27

ASTRODIENST EPHEMERIS for the year 2170
geocentric

SEPTEMBER 2170 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 41 10	8♍45'34	8♉31	0♍18	25°R 6	7♏26	24♍51	2°R45	28°R47	18°R23	14♋19	3°R44	4♊12	7♈42	11°R28	S 1
S 2	22 45 7	9°43'34	20°28	2°16	24♍41	8° 5	25° 4	2♓41	28♒45	18♒21	14°20	3♊42	4° 9	7°49	11♈26	S 2
M 3	22 49 3	10°41'35	2♊35	4°14	24°13	8°44	25°17	2°36	28°42	18°20	14°21	3°D42	4° 6	7°56	11°24	M 3
T 4	22 53 0	11°39'38	14°59	6°12	23°44	9°23	25°30	2°32	28°40	18°18	14°22	3°R42	4° 2	8° 3	11°22	T 4
W 5	22 56 57	12°37'43	27°44	8°10	23°14	10° 2	25°42	2°27	28°38	18°17	14°23	3°41	3°59	8° 9	11°19	W 5
T 6	23 0 53	13°35'50	10♋55	10° 7	22°41	10°41	25°55	2°23	28°36	18°16	14°24	3°39	3°56	8°16	11°17	T 6
F 7	23 4 50	14°33'59	24°35	12° 4	22° 8	11°21	26° 8	2°18	28°33	18°14	14°24	3°34	3°53	8°23	11°14	F 7
S 8	23 8 46	15°32'09	8♌44	14° 0	21°33	12° 0	26°21	2°14	28°31	18°13	14°25	3°27	3°50	8°29	11°12	S 8
S 9	23 12 43	16°30'22	23°21	15°55	20°58	12°40	26°34	2°10	28°29	18°11	14°26	3°17	3°47	8°36	11°10	S 9
M10	23 16 39	17°28'36	8♍20	17°50	20°21	13°20	26°47	2° 5	28°27	18°10	14°27	3° 7	3°43	8°43	11° 7	M10
T 11	23 20 36	18°26'53	23°32	19°43	19°45	13°59	27° 0	2° 1	28°24	18° 9	14°28	2°56	3°40	8°49	11° 5	T 11
W12	23 24 32	19°25'10	8♎45	21°36	19° 7	14°39	27°13	1°57	28°22	18° 7	14°28	2°47	3°37	8°56	11° 2	W12
T 13	23 28 29	20°23'30	23°51	23°27	18°30	15°19	27°25	1°53	28°20	18° 6	14°29	2°40	3°34	9° 3	11° 0	T 13
F 14	23 32 26	21°21'51	8♏38	25°17	17°54	15°59	27°38	1°49	28°18	18° 5	14°30	2°35	3°31	9°10	10°57	F 14
S 15	23 36 22	22°20'14	23° 3	27° 6	17°17	16°39	27°51	1°44	28°16	18° 3	14°31	2°33	3°28	9°16	10°55	S 15
S 16	23 40 19	23°18'39	7♐ 3	28°54	16°42	17°20	28° 4	1°40	28°14	18° 2	14°31	2°D33	3°24	9°23	10°52	S 16
M17	23 44 15	24°17'05	20°38	0♎41	16° 7	18° 0	28°17	1°36	28°12	18° 1	14°32	2°R34	3°21	9°30	10°49	M17
T 18	23 48 12	25°15'32	3♑50	2°27	15°33	18°41	28°30	1°32	28° 9	18° 0	14°32	2°33	3°18	9°36	10°47	T 18
W19	23 52 8	26°14'01	16°43	4°12	15° 1	19°21	28°43	1°29	28° 7	17°58	14°33	2°31	3°15	9°43	10°44	W19
T 20	23 56 5	27°12'32	29°19	5°56	14°30	20° 2	28°56	1°25	28° 5	17°57	14°34	2°27	3°12	9°50	10°41	T 20
F 21	0 0 1	28°11'04	11♒42	7°38	14° 1	20°42	29° 9	1°21	28° 3	17°56	14°34	2°20	3° 8	9°56	10°39	F 21
S 22	0 3 58	29° 9'39	23°55	9°20	13°34	21°23	29°22	1°17	28° 2	17°55	14°35	2°11	3° 5	10° 3	10°36	S 22
S 23	0 7 55	0♎ 8'14	6♓ 1	11° 1	13° 9	22° 4	29°35	1°13	28° 0	17°54	14°35	2° 0	3° 2	10°10	10°33	S 23
M24	0 11 51	1° 6'52	18° 0	12°40	12°46	22°45	29°48	1°10	27°58	17°53	14°36	1°48	2°59	10°17	10°31	M24
T 25	0 15 48	2° 5'31	29°55	14°19	12°25	23°26	0♎ 1	1° 6	27°56	17°52	14°36	1°37	2°56	10°23	10°28	T 25
W26	0 19 44	3° 4'13	11♈46	15°56	12° 6	24° 7	0°14	1° 3	27°54	17°51	14°37	1°27	2°53	10°30	10°25	W26
T 27	0 23 41	4° 2'56	23°36	17°33	11°50	24°49	0°27	0°59	27°52	17°50	14°37	1°19	2°49	10°37	10°22	T 27
F 28	0 27 37	5° 1'42	5♉27	19° 9	11°36	25°30	0°40	0°56	27°51	17°49	14°38	1°13	2°46	10°43	10°20	F 28
S 29	0 31 34	6° 0'29	17°20	20°43	11°25	26°11	0°53	0°53	27°49	17°48	14°38	1° 9	2°43	10°50	10°17	S 29
S 30	0 35 30	6♎59'19	29♉20	22♎17	11♍16	26♏53	1♎ 6	0♓49	27♒47	17♒47	14♋38	1°D 8	2♊40	10♈57	10♈14	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	8n17	12n17	2s 9	12n55	1n40	5s16	7s52	14s32	0s35	3n 1	1n 4	12s 5	1s43	12s37	0s47	15s28	0s10	19n50	2s50	20n53	20n58	0s53	6n59	2n40
S 2	7 55	16 44	1 9	12 16	1 43	5 14	8 0	14 45	0 36	2 56	1 4	12 7	1 43	12 38	0 47	15 29	0 10	19 49	2 50	20 52	20 57	0 50	6 58	2 40
M 3	7 33	20 34	0 6	11 35	1 45	5 10	8 8	14 58	0 36	2 51	1 4	12 8	1 43	12 39	0 47	15 29	0 10	19 49	2 50	20 52	20 57	0 47	6 57	2 40
T 4	7 11	23 34	0n59	10 52	1 46	5 5	8 15	15 12	0 37	2 46	1 4	12 10	1 43	12 40	0 47	15 29	0 10	19 49	2 50	20 52	20 56	0 44	6 56	2 40
W 5	6 49	25 28	2 4	10 9	1 47	4 59	8 21	15 25	0 38	2 41	1 4	12 12	1 43	12 41	0 47	15 30	0 10	19 49	2 50	20 52	20 56	0 41	6 55	2 40
T 6	6 27	26 1	3 3	9 25	1 46	4 52	8 27	15 38	0 38	2 36	1 4	12 13	1 43	12 41	0 47	15 30	0 10	19 49	2 50	20 52	20 55	0 38	6 54	2 40
F 7	6 4	25 2	3 55	8 39	1 45	4 43	8 32	15 50	0 39	2 31	1 4	12 15	1 43	12 42	0 47	15 31	0 10	19 49	2 50	20 51	20 54	0 35	6 53	2 40
S 8	5 42	22 28	4 34	7 53	1 44	4 33	8 36	16 3	0 40	2 26	1 4	12 16	1 43	12 43	0 47	15 31	0 10	19 49	2 50	20 49	20 54	0 32	6 53	2 40
S 9	5 19	18 23	4 57	7 7	1 42	4 22	8 39	16 16	0 40	2 20	1 4	12 18	1 43	12 44	0 47	15 32	0 10	19 49	2 50	20 48	20 53	0 29	6 52	2 40
M10	4 57	13 4	5 0	6 20	1 39	4 10	8 41	16 29	0 41	2 15	1 4	12 20	1 43	12 44	0 47	15 32	0 10	19 49	2 50	20 46	20 53	0 26	6 51	2 40
T 11	4 34	6 53	4 42	5 32	1 36	3 57	8 42	16 41	0 42	2 10	1 4	12 21	1 43	12 45	0 47	15 33	0 10	19 49	2 50	20 44	20 52	0 23	6 50	2 40
W12	4 11	0 17	4 5	4 45	1 32	3 43	8 42	16 54	0 42	2 5	1 4	12 23	1 43	12 46	0 47	15 33	0 10	19 49	2 50	20 42	20 51	0 19	6 49	2 40
T 13	3 48	6s18	3 10	3 57	1 28	3 28	8 42	17 6	0 43	2 0	1 4	12 24	1 43	12 47	0 47	15 33	0 10	19 48	2 50	20 40	20 51	0 16	6 48	2 40
F 14	3 25	12 25	2 3	3 9	1 24	3 12	8 40	17 18	0 43	1 55	1 4	12 26	1 43	12 47	0 47	15 34	0 10	19 48	2 50	20 40	20 50	0 13	6 47	2 40
S 15	3 2	17 43	0 50	2 22	1 19	2 56	8 38	17 30	0 44	1 50	1 4	12 27	1 43	12 48	0 47	15 34	0 10	19 48	2 50	20 39	20 50	0 10	6 46	2 40
S 16	2 39	21 52	0s24	1 34	1 14	2 39	8 34	17 42	0 45	1 45	1 4	12 29	1 43	12 49	0 47	15 35	0 10	19 48	2 50	20 39	20 49	0 7	6 45	2 39
M17	2 16	24 40	1 35	0 46	1 9	2 22	8 30	17 54	0 45	1 39	1 4	12 30	1 43	12 50	0 47	15 35	0 10	19 48	2 50	20 39	20 48	0 4	6 43	2 39
T 18	1 53	26 0	2 38	0s 1	1 3	2 5	8 25	18 6	0 46	1 34	1 4	12 31	1 43	12 50	0 47	15 35	0 10	19 48	2 51	20 39	20 48	0 1	6 42	2 39
W19	1 30	25 53	3 32	0 48	0 57	1 47	8 19	18 18	0 46	1 29	1 4	12 33	1 43	12 51	0 47	15 36	0 10	19 48	2 51	20 39	20 47	0n 2	6 41	2 39
T 20	1 7	24 25	4 14	1 34	0 51	1 29	8 12	18 29	0 47	1 24	1 4	12 34	1 43	12 52	0 47	15 36	0 10	19 48	2 51	20 38	20 47	0 5	6 40	2 39
F 21	0 43	21 48	4 44	2 21	0 44	1 11	8 5	18 41	0 48	1 19	1 4	12 36	1 43	12 52	0 47	15 36	0 10	19 48	2 51	20 37	20 46	0 8	6 39	2 39
S 22	0 20	18 15	5 0	3 7	0 38	0 53	7 57	18 52	0 48	1 14	1 4	12 37	1 43	12 53	0 47	15 37	0 10	19 48	2 51	20 35	20 45	0 11	6 38	2 39
S 23	0s 3	13 59	5 2	3 52	0 31	0 36	7 48	19 3	0 49	1 9	1 4	12 38	1 43	12 54	0 47	15 37	0 10	19 48	2 51	20 33	20 45	0 15	6 37	2 39
M24	0 27	9 12	4 51	4 37	0 25	0 18	7 39	19 14	0 49	1 3	1 4	12 39	1 43	12 54	0 47	15 37	0 10	19 48	2 51	20 30	20 44	0 18	6 36	2 39
T 25	0 50	4 8	4 28	5 22	0 18	0 1	7 29	19 25	0 50	0 58	1 4	12 41	1 43	12 55	0 47	15 38	0 10	19 48	2 51	20 28	20 44	0 21	6 35	2 39
W26	1 13	1n 5	3 52	6 6	0 11	0n15	7 19	19 36	0 50	0 53	1 4	12 42	1 43	12 55	0 47	15 38	0 10	19 48	2 51	20 26	20 43	0 24	6 34	2 39
T 27	1 36	6 16	3 7	6 50	0 3	0 31	7 8	19 47	0 51	0 48	1 4	12 43	1 43	12 56	0 47	15 38	0 10	19 47	2 51	20 24	20 42	0 27	6 33	2 39
F 28	2 0	11 14	2 13	7 33	0s 4	0 47	6 57	19 57	0 51	0 43	1 4	12 44	1 43	12 57	0 47	15 39	0 10	19 47	2 51	20 23	20 42	0 30	6 31	2 39
S 29	2 23	15 49	1 13	8 15	0 11	1 1	6 45	20 7	0 52	0 38	1 4	12 45	1 43	12 57	0 47	15 39	0 10	19 47	2 51	20 22	20 41	0 33	6 30	2 39
S 30	2s46	19n50	0s10	8s57	0s18	1n15	6s34	20s18	0s52	0n33	1n 4	12s47	1s43	12s58	0s47	15s39	0s10	19n47	2s51	20n22	20n40	0n36	6n29	2n39

Julian Day Number = 2513879.5, Delta T = 136.99 sec
Ecliptic obliquity = 23°25'06, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°07'31, Lahiri = 26°14'31

ASTRODIENST EPHEMERIS for the year 2170
geocentric

OCTOBER 2170 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 39 27	7♎58'11	11♊29	23♎50	11°R 9	27♏35	1♎19	0°R46	27°R45	17°R46	14♋39	1♊ 9	2♊37	11♈ 3	10°R11	M 1
T 2	0 43 24	8°57'05	23°53	25°22	11♍ 5	28°16	1°32	0♓43	27♒44	17♒45	14°39	1°10	2°33	11°10	10♈ 9	T 2
W 3	0 47 20	9°56'02	6♋35	26°54	11°D 4	28°58	1°45	0°40	27°42	17°44	14°39	1°R11	2°30	11°17	10° 6	W 3
T 4	0 51 17	10°55'01	19°41	28°24	11° 4	29°40	1°58	0°37	27°41	17°43	14°40	1°10	2°27	11°23	10° 3	T 4
F 5	0 55 13	11°54'02	3♌13	29°53	11° 7	0♐22	2°11	0°34	27°39	17°42	14°40	1° 8	2°24	11°30	10° 0	F 5
S 6	0 59 10	12°53'06	17°14	1♏22	11°13	1° 4	2°24	0°32	27°38	17°42	14°40	1° 4	2°21	11°37	9°58	S 6
S 7	1 3 6	13°52'11	1♍43	2°49	11°21	1°46	2°36	0°29	27°36	17°41	14°40	0°58	2°18	11°44	9°55	S 7
M 8	1 7 3	14°51'19	16°37	4°16	11°30	2°28	2°49	0°26	27°35	17°40	14°40	0°51	2°14	11°50	9°52	M 8
T 9	1 10 59	15°50'29	1♎47	5°42	11°43	3°11	3° 2	0°24	27°34	17°40	14°41	0°44	2°11	11°57	9°49	T 9
W10	1 14 56	16°49'42	17° 4	7° 7	11°57	3°53	3°15	0°21	27°32	17°39	14°41	0°38	2° 8	12° 4	9°47	W10
T 11	1 18 53	17°48'56	2♏17	8°31	12°13	4°36	3°28	0°19	27°31	17°38	14°41	0°34	2° 5	12°10	9°44	T 11
F 12	1 22 49	18°48'12	17°16	9°54	12°31	5°18	3°40	0°17	27°30	17°38	14°41	0°31	2° 2	12°17	9°41	F 12
S 13	1 26 46	19°47'30	1♐54	11°16	12°51	6° 1	3°53	0°15	27°29	17°37	14°41	0°D30	1°59	12°24	9°38	S 13
S 14	1 30 42	20°46'50	16° 5	12°37	13°13	6°44	4° 6	0°13	27°27	17°37	14°41	0°31	1°55	12°30	9°36	S 14
M15	1 34 39	21°46'12	29°50	13°56	13°37	7°26	4°19	0°11	27°26	17°36	14°R41	0°33	1°52	12°37	9°33	M15
T 16	1 38 35	22°45'36	13♑ 7	15°15	14° 2	8° 9	4°31	0° 9	27°25	17°36	14°41	0°34	1°49	12°44	9°30	T 16
W17	1 42 32	23°45'01	26° 2	16°32	14°29	8°52	4°44	0° 7	27°24	17°35	14°41	0°R34	1°46	12°50	9°28	W17
T 18	1 46 28	24°44'28	8♒36	17°48	14°58	9°35	4°57	0° 5	27°23	17°35	14°41	0°33	1°43	12°57	9°25	T 18
F 19	1 50 25	25°43'57	20°55	19° 3	15°28	10°18	5° 9	0° 4	27°22	17°34	14°41	0°30	1°39	13° 4	9°22	F 19
S 20	1 54 22	26°43'28	3♓ 2	20°16	16° 0	11° 2	5°22	0° 2	27°21	17°34	14°41	0°26	1°36	13°11	9°20	S 20
S 21	1 58 18	27°43'00	15° 1	21°27	16°34	11°45	5°34	0° 1	27°21	17°34	14°41	0°21	1°33	13°17	9°17	S 21
M22	2 2 15	28°42'34	26°54	22°36	17° 8	12°28	5°47	29♒59	27°20	17°34	14°40	0°15	1°30	13°24	9°15	M22
T 23	2 6 11	29°42'10	8♈45	23°44	17°44	13°12	5°59	29°58	27°19	17°33	14°40	0° 9	1°27	13°31	9°12	T 23
W24	2 10 8	0♏41'48	20°36	24°49	18°22	13°55	6°12	29°57	27°18	17°33	14°40	0° 4	1°24	13°37	9° 9	W24
T 25	2 14 4	1°41'27	2♉28	25°52	19° 0	14°39	6°24	29°56	27°18	17°33	14°40	0° 0	1°20	13°44	9° 7	T 25
F 26	2 18 1	2°41'09	14°24	26°53	19°40	15°22	6°36	29°55	27°17	17°33	14°40	29♉58	1°17	13°51	9° 5	F 26
S 27	2 21 57	3°40'53	26°25	27°50	20°21	16° 6	6°48	29°54	27°17	17°33	14°39	29°D57	1°14	13°57	9° 2	S 27
S 28	2 25 54	4°40'39	8♊34	28°45	21° 3	16°50	7° 1	29°54	27°16	17°33	14°39	29°57	1°11	14° 4	9° 0	S 28
M29	2 29 50	5°40'27	20°52	29°36	21°46	17°34	7°13	29°53	27°16	17°33	14°39	29°58	1° 8	14°11	8°57	M29
T 30	2 33 47	6°40'18	3♋23	0♐23	22°31	18°18	7°25	29°53	27°15	17°D33	14°38	29°59	1° 5	14°17	8°55	T 30
W31	2 37 44	7♏40'10	16♋10	1♐ 6	23♍16	19♐ 2	7♎37	29♒52	27♒15	17♒33	14♋38	0♊ 1	1♊ 1	14♈24	8♈52	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	3s10	23n 3	0n55	9s38	0s25	1n29	6s22	20s28	0s53	0n28	1n 4	12s48	1s43	12s58	0s47	15s40	0s10	19n47	2s51	20n22	20n40	0n39	6n28	2n39
T 2	3 33	25 16	1 59	10 19	0 33	1 41	6 10	20 37	0 53	0 22	1 4	12 49	1 43	12 59	0 47	15 40	0 10	19 47	2 51	20 22	20 39	0 43	6 27	2 39
W 3	3 56	26 14	2 59	10 59	0 40	1 53	5 58	20 47	0 54	0 17	1 4	12 50	1 43	12 59	0 47	15 40	0 10	19 47	2 51	20 23	20 39	0 46	6 26	2 39
T 4	4 19	25 47	3 51	11 38	0 47	2 4	5 46	20 57	0 54	0 12	1 4	12 51	1 43	13 0	0 47	15 40	0 10	19 47	2 51	20 23	20 38	0 49	6 24	2 39
F 5	4 42	23 50	4 33	12 17	0 55	2 14	5 33	21 6	0 55	0 7	1 4	12 52	1 43	13 0	0 47	15 41	0 10	19 47	2 51	20 22	20 37	0 52	6 23	2 39
S 6	5 5	20 24	4 59	12 54	1 2	2 24	5 21	21 15	0 55	0 2	1 4	12 53	1 43	13 1	0 47	15 41	0 10	19 47	2 51	20 21	20 37	0 55	6 22	2 38
S 7	5 28	15 39	5 8	13 31	1 9	2 32	5 9	21 24	0 56	0s 3	1 4	12 53	1 42	13 1	0 46	15 41	0 10	19 47	2 51	20 20	20 36	0 58	6 21	2 38
M 8	5 51	9 50	4 57	14 8	1 16	2 40	4 57	21 33	0 56	0 8	1 5	12 54	1 42	13 2	0 46	15 41	0 10	19 47	2 51	20 19	20 35	1 1	6 20	2 38
T 9	6 14	3 20	4 24	14 43	1 23	2 47	4 44	21 42	0 57	0 13	1 5	12 55	1 42	13 2	0 46	15 42	0 10	19 47	2 51	20 17	20 35	1 4	6 19	2 38
W10	6 36	3s25	3 33	15 18	1 30	2 53	4 32	21 51	0 57	0 18	1 5	12 56	1 42	13 3	0 46	15 42	0 10	19 47	2 51	20 16	20 34	1 7	6 18	2 38
T 11	6 59	9 57	2 27	15 52	1 37	2 58	4 20	21 59	0 57	0 23	1 5	12 57	1 42	13 3	0 46	15 42	0 10	19 47	2 51	20 15	20 34	1 11	6 16	2 38
F 12	7 22	15 50	1 11	16 25	1 44	3 2	4 8	22 7	0 58	0 28	1 5	12 57	1 42	13 3	0 46	15 42	0 11	19 47	2 51	20 14	20 33	1 14	6 15	2 38
S 13	7 44	20 39	0s 8	16 57	1 50	3 5	3 56	22 15	0 58	0 33	1 5	12 58	1 42	13 4	0 46	15 42	0 11	19 47	2 51	20 14	20 32	1 17	6 14	2 38
S 14	8 6	24 5	1 24	17 28	1 57	3 8	3 45	22 23	0 59	0 38	1 5	12 59	1 42	13 4	0 46	15 43	0 11	19 47	2 51	20 15	20 32	1 20	6 13	2 38
M15	8 29	25 58	2 33	17 58	2 3	3 9	3 33	22 30	0 59	0 43	1 5	12 59	1 42	13 5	0 46	15 43	0 11	19 47	2 51	20 15	20 31	1 23	6 12	2 38
T 16	8 51	26 16	3 31	18 27	2 9	3 10	3 22	22 38	1 0	0 48	1 5	13 0	1 42	13 5	0 46	15 43	0 11	19 47	2 51	20 15	20 30	1 26	6 11	2 37
W17	9 13	25 8	4 17	18 55	2 15	3 10	3 10	22 45	1 0	0 53	1 5	13 1	1 42	13 5	0 46	15 43	0 11	19 47	2 51	20 15	20 30	1 29	6 9	2 37
T 18	9 34	22 44	4 49	19 22	2 21	3 10	2 59	22 52	1 0	0 58	1 5	13 1	1 42	13 5	0 46	15 43	0 11	19 47	2 51	20 15	20 29	1 32	6 8	2 37
F 19	9 56	19 21	5 7	19 48	2 26	3 8	2 48	22 59	1 1	1 3	1 5	13 2	1 42	13 6	0 46	15 43	0 11	19 47	2 51	20 14	20 29	1 36	6 7	2 37
S 20	10 18	15 13	5 11	20 13	2 31	3 6	2 37	23 5	1 1	1 8	1 5	13 2	1 41	13 6	0 46	15 43	0 11	19 47	2 51	20 13	20 28	1 39	6 6	2 37
S 21	10 39	10 32	5 1	20 37	2 36	3 3	2 27	23 11	1 2	1 13	1 5	13 2	1 41	13 6	0 46	15 43	0 11	19 47	2 51	20 12	20 27	1 42	6 5	2 37
M22	11 0	5 30	4 39	20 59	2 40	2 59	2 16	23 18	1 2	1 17	1 5	13 3	1 41	13 7	0 46	15 44	0 11	19 47	2 51	20 11	20 27	1 45	6 4	2 37
T 23	11 21	0 17	4 4	21 21	2 45	2 54	2 6	23 24	1 2	1 22	1 6	13 3	1 41	13 7	0 46	15 44	0 11	19 47	2 51	20 10	20 26	1 48	6 3	2 37
W24	11 42	4n58	3 19	21 41	2 48	2 49	1 56	23 29	1 3	1 27	1 6	13 3	1 41	13 7	0 46	15 44	0 11	19 47	2 51	20 9	20 25	1 51	6 1	2 37
T 25	12 3	10 3	2 25	21 59	2 52	2 43	1 46	23 35	1 3	1 32	1 6	13 4	1 41	13 7	0 46	15 44	0 11	19 47	2 51	20 8	20 25	1 54	6 0	2 36
F 26	12 24	14 48	1 24	22 16	2 54	2 36	1 37	23 40	1 3	1 37	1 6	13 4	1 41	13 7	0 46	15 44	0 11	19 47	2 51	20 8	20 24	1 57	5 59	2 36
S 27	12 44	19 1	0 19	22 32	2 57	2 29	1 27	23 45	1 4	1 41	1 6	13 4	1 41	13 7	0 46	15 44	0 11	19 47	2 51	20 7	20 23	2 1	5 58	2 36
S 28	13 4	22 29	0n47	22 46	2 58	2 21	1 18	23 50	1 4	1 46	1 6	13 4	1 41	13 8	0 46	15 44	0 11	19 47	2 51	20 7	20 23	2 4	5 57	2 36
M29	13 24	24 59	1 53	22 58	2 59	2 12	1 9	23 54	1 4	1 51	1 6	13 4	1 41	13 8	0 46	15 44	0 11	19 47	2 51	20 8	20 22	2 7	5 56	2 36
T 30	13 44	26 16	2 54	23 9	3 0	2 3	1 0	23 58	1 5	1 56	1 6	13 4	1 41	13 8	0 46	15 44	0 11	19 47	2 51	20 8	20 21	2 10	5 55	2 36
W31	14s 3	26n13	3n48	23s17	2s59	1n53	0s51	24s 3	1s 5	2s 0	1n 6	13s 4	1s40	13s 8	0s46	15s44	0s11	19n47	2s51	20n 8	20n21	2n13	5n54	2n36

Julian Day Number = 2513909.5, Delta T = 137.05 sec
Ecliptic obliquity = 23°25'06, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°07'35, Lahiri = 26°14'35

ASTRODIENST EPHEMERIS for the year 2170
geocentric

NOVEMBER 2170 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 41 40	8♏40'05	29♋16	1♐43	24♍ 2	19♐46	7♎49	29°R52	27°R15	17♒33	14°R38	0♊ 3	0♊58	14♈31	8°R50	T 1
F 2	2 45 37	9°40'02	12♌43	2°16	24°50	20°30	8° 1	29♒52	27♒14	17°33	14♋37	0°R 3	0°55	14°37	8♈48	F 2
S 3	2 49 33	10°40'01	26°33	2°43	25°38	21°14	8°13	29°D52	27°14	17°33	14°37	0° 2	0°52	14°44	8°46	S 3
S 4	2 53 30	11°40'02	10♍47	3° 3	26°27	21°58	8°25	29°52	27°14	17°33	14°36	0° 1	0°49	14°51	8°43	S 4
M 5	2 57 26	12°40'05	25°22	3°16	27°16	22°43	8°37	29°52	27°14	17°33	14°36	29♉58	0°45	14°57	8°41	M 5
T 6	3 1 23	13°40'10	10♎14	3°R21	28° 7	23°27	8°49	29°52	27°D14	17°33	14°35	29°56	0°42	15° 4	8°39	T 6
W 7	3 5 19	14°40'18	25°17	3°18	28°58	24°12	9° 0	29°52	27°14	17°34	14°35	29°54	0°39	15°11	8°37	W 7
T 8	3 9 16	15°40'27	10♏21	3° 6	29°51	24°56	9°12	29°53	27°14	17°34	14°34	29°53	0°36	15°18	8°35	T 8
F 9	3 13 13	16°40'38	25°17	2°45	0♎43	25°41	9°23	29°53	27°14	17°34	14°34	29°D52	0°33	15°24	8°33	F 9
S 10	3 17 9	17°40'51	9♐57	2°13	1°37	26°26	9°35	29°54	27°14	17°35	14°33	29°53	0°30	15°31	8°31	S 10
S 11	3 21 6	18°41'06	24°15	1°32	2°31	27°10	9°46	29°55	27°15	17°35	14°33	29°53	0°26	15°38	8°29	S 11
M12	3 25 2	19°41'22	8♑ 8	0°42	3°26	27°55	9°58	29°56	27°15	17°36	14°32	29°54	0°23	15°44	8°27	M12
T 13	3 28 59	20°41'40	21°35	29♏42	4°21	28°40	10° 9	29°57	27°15	17°36	14°31	29°55	0°20	15°51	8°25	T 13
W14	3 32 55	21°41'59	4♒36	28°34	5°17	29°25	10°20	29°58	27°16	17°37	14°31	29°56	0°17	15°58	8°23	W14
T 15	3 36 52	22°42'20	17°15	27°20	6°14	0♑10	10°32	29°59	27°16	17°37	14°30	29°R56	0°14	16° 4	8°21	T 15
F 16	3 40 49	23°42'42	29°35	26° 2	7°11	0°55	10°43	0♓ 0	27°16	17°38	14°29	29°56	0°11	16°11	8°20	F 16
S 17	3 44 45	24°43'05	11♓41	24°41	8° 9	1°40	10°54	0° 1	27°17	17°38	14°29	29°56	0° 7	16°18	8°18	S 17
S 18	3 48 42	25°43'30	23°37	23°21	9° 7	2°26	11° 5	0° 3	27°18	17°39	14°28	29°55	0° 4	16°24	8°16	S 18
M19	3 52 38	26°43'56	5♈28	22° 5	10° 6	3°11	11°15	0° 5	27°18	17°40	14°27	29°55	0° 1	16°31	8°15	M19
T 20	3 56 35	27°44'23	17°18	20°54	11° 5	3°56	11°26	0° 6	27°19	17°40	14°26	29°54	29♉58	16°38	8°13	T 20
W21	4 0 31	28°44'52	29°10	19°51	12° 5	4°41	11°37	0° 8	27°20	17°41	14°26	29°54	29°55	16°44	8°12	W21
T 22	4 4 28	29°45'22	11♉ 7	18°57	13° 5	5°27	11°48	0°10	27°20	17°42	14°25	29°D54	29°51	16°51	8°10	T 22
F 23	4 8 24	0♐45'54	23°11	18°15	14° 6	6°12	11°58	0°12	27°21	17°43	14°24	29°54	29°48	16°58	8° 9	F 23
S 24	4 12 21	1°46'27	5♊24	17°43	15° 7	6°58	12° 9	0°14	27°22	17°43	14°23	29°R54	29°45	17° 4	8° 7	S 24
S 25	4 16 18	2°47'02	17°48	17°24	16° 8	7°43	12°19	0°16	27°23	17°44	14°22	29°54	29°42	17°11	8° 6	S 25
M26	4 20 14	3°47'38	0♋24	17°D16	17°10	8°29	12°29	0°18	27°24	17°45	14°21	29°54	29°39	17°18	8° 5	M26
T 27	4 24 11	4°48'16	13°12	17°19	18°12	9°15	12°39	0°21	27°25	17°46	14°20	29°53	29°36	17°25	8° 4	T 27
W28	4 28 7	5°48'55	26°14	17°33	19°15	10° 1	12°49	0°23	27°26	17°47	14°20	29°53	29°32	17°31	8° 2	W28
T 29	4 32 4	6°49'36	9♌30	17°56	20°18	10°46	12°59	0°26	27°27	17°48	14°19	29°52	29°29	17°38	8° 1	T 29
F 30	4 36 0	7♐50'18	23♌ 2	18♏27	21♎21	11♑32	13♎ 9	0♓29	27♒28	17♒49	14♋18	29♉51	29♉26	17♈45	8♈ 0	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14 s23	24n43	4n31	23 s24	2 s58	1n43	0 s43	24 s 6	1 s 5	2 s 5	1n 6	13 s 4	1 s40	13 s 8	0 s46	15 s44	0 s11	19n47	2 s51	20n 8	20n20	2n16	5n53	2n35
F 2	14 42	21 48	5 1	23 28	2 56	1 32	0 35	24 10	1 5	2 10	1 7	13 4	1 40	13 8	0 46	15 44	0 11	19 47	2 51	20 9	20 19	2 19	5 52	2 35
S 3	15 1	17 35	5 15	23 31	2 53	1 20	0 26	24 13	1 6	2 14	1 7	13 4	1 40	13 8	0 46	15 44	0 11	19 47	2 51	20 8	20 19	2 22	5 51	2 35
S 4	15 19	12 18	5 10	23 30	2 49	1 8	0 19	24 16	1 6	2 19	1 7	13 4	1 40	13 8	0 46	15 44	0 11	19 47	2 51	20 8	20 18	2 26	5 50	2 35
M 5	15 38	6 12	4 45	23 27	2 43	0 55	0 11	24 19	1 6	2 23	1 7	13 4	1 40	13 8	0 46	15 44	0 11	19 47	2 51	20 8	20 17	2 29	5 49	2 35
T 6	15 56	0 s21	4 1	23 22	2 36	0 42	0 3	24 22	1 7	2 28	1 7	13 4	1 40	13 8	0 46	15 44	0 11	19 47	2 51	20 7	20 17	2 32	5 48	2 35
W 7	16 14	6 59	3 0	23 13	2 28	0 28	0n 4	24 24	1 7	2 32	1 7	13 4	1 40	13 8	0 45	15 44	0 11	19 47	2 51	20 7	20 16	2 35	5 47	2 34
T 8	16 31	13 14	1 46	23 1	2 18	0 14	0 11	24 26	1 7	2 37	1 7	13 3	1 40	13 8	0 45	15 43	0 11	19 47	2 51	20 6	20 15	2 38	5 46	2 34
F 9	16 48	18 39	0 25	22 46	2 7	0 s 1	0 18	24 28	1 7	2 41	1 7	13 3	1 40	13 8	0 45	15 43	0 11	19 47	2 51	20 6	20 15	2 41	5 45	2 34
S 10	17 5	22 50	0 s56	22 27	1 54	0 16	0 25	24 30	1 8	2 46	1 7	13 3	1 39	13 8	0 45	15 43	0 11	19 47	2 51	20 6	20 14	2 44	5 44	2 34
S 11	17 22	25 29	2 11	22 4	1 39	0 31	0 31	24 31	1 8	2 50	1 8	13 2	1 39	13 8	0 45	15 43	0 11	19 48	2 51	20 7	20 14	2 48	5 43	2 34
M12	17 39	26 26	3 17	21 38	1 23	0 47	0 38	24 32	1 8	2 54	1 8	13 2	1 39	13 8	0 45	15 43	0 11	19 48	2 51	20 7	20 13	2 51	5 42	2 34
T 13	17 55	25 47	4 9	21 8	1 5	1 4	0 44	24 33	1 8	2 59	1 8	13 2	1 39	13 7	0 45	15 43	0 11	19 48	2 51	20 7	20 12	2 54	5 41	2 33
W14	18 10	23 44	4 47	20 34	0 46	1 20	0 50	24 33	1 8	3 3	1 8	13 1	1 39	13 7	0 45	15 43	0 11	19 48	2 51	20 7	20 12	2 57	5 40	2 33
T 15	18 26	20 34	5 10	19 58	0 26	1 37	0 56	24 34	1 9	3 7	1 8	13 1	1 39	13 7	0 45	15 43	0 11	19 48	2 51	20 7	20 11	3 0	5 39	2 33
F 16	18 41	16 33	5 17	19 20	0 6	1 55	1 1	24 34	1 9	3 11	1 8	13 0	1 39	13 7	0 45	15 42	0 11	19 48	2 51	20 7	20 10	3 3	5 39	2 33
S 17	18 56	11 58	5 11	18 41	0n15	2 12	1 7	24 33	1 9	3 16	1 8	13 0	1 39	13 7	0 45	15 42	0 11	19 48	2 51	20 7	20 10	3 6	5 38	2 33
S 18	19 10	6 59	4 51	18 1	0 35	2 31	1 12	24 33	1 9	3 20	1 8	12 59	1 39	13 6	0 45	15 42	0 11	19 48	2 51	20 7	20 9	3 10	5 37	2 33
M19	19 25	1 47	4 18	17 23	0 55	2 49	1 17	24 32	1 9	3 24	1 9	12 58	1 38	13 6	0 45	15 42	0 11	19 48	2 51	20 7	20 8	3 13	5 36	2 32
T 20	19 38	3n28	3 35	16 47	1 13	3 7	1 22	24 31	1 9	3 28	1 9	12 58	1 38	13 6	0 45	15 42	0 11	19 48	2 51	20 7	20 7	3 16	5 35	2 32
W21	19 52	8 38	2 43	16 15	1 30	3 26	1 27	24 30	1 10	3 32	1 9	12 57	1 38	13 6	0 45	15 41	0 11	19 48	2 51	20 7	20 7	3 19	5 35	2 32
T 22	20 5	13 32	1 42	15 46	1 44	3 46	1 31	24 28	1 10	3 36	1 9	12 56	1 38	13 5	0 45	15 41	0 11	19 48	2 51	20 7	20 6	3 22	5 34	2 32
F 23	20 18	17 57	0 37	15 22	1 57	4 5	1 36	24 26	1 10	3 40	1 9	12 55	1 38	13 5	0 45	15 41	0 11	19 49	2 51	20 7	20 5	3 25	5 33	2 32
S 24	20 30	21 41	0n31	15 4	2 8	4 25	1 40	24 24	1 10	3 44	1 9	12 54	1 38	13 5	0 45	15 41	0 11	19 49	2 51	20 7	20 5	3 28	5 32	2 32
S 25	20 42	24 29	1 38	14 50	2 16	4 44	1 44	24 22	1 10	3 48	1 10	12 54	1 38	13 4	0 45	15 40	0 11	19 49	2 51	20 7	20 4	3 31	5 32	2 31
M26	20 53	26 6	2 41	14 41	2 23	5 4	1 48	24 19	1 10	3 52	1 10	12 53	1 38	13 4	0 45	15 40	0 11	19 49	2 51	20 7	20 3	3 35	5 31	2 31
T 27	21 5	26 23	3 38	14 38	2 28	5 25	1 52	24 16	1 10	3 55	1 10	12 52	1 38	13 4	0 45	15 40	0 11	19 49	2 51	20 7	20 3	3 38	5 30	2 31
W28	21 15	25 12	4 24	14 39	2 31	5 45	1 55	24 13	1 10	3 59	1 10	12 51	1 37	13 3	0 45	15 40	0 11	19 49	2 51	20 6	20 2	3 41	5 30	2 31
T 29	21 26	22 38	4 57	14 43	2 32	6 6	1 59	24 9	1 11	4 3	1 10	12 50	1 37	13 3	0 45	15 39	0 11	19 49	2 51	20 6	20 1	3 44	5 29	2 31
F 30	21 s36	18n47	5n15	14 s52	2n32	6 s26	2n 2	24 s 5	1 s11	4 s 7	1n10	12 s49	1 s37	13 s 2	0 s45	15 s39	0 s11	19n49	2 s51	20n 6	20n 1	3n47	5n28	2n30

Julian Day Number = 2513940.5, Delta T = 137.12 sec
Ecliptic obliquity = 23°25'06, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°07'39, Lahiri = 26°14'39

ASTRODIENST EPHEMERIS for the year 2170
geocentric

DECEMBER 2170 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 39 57	8♐51'02	6♍49	19♏ 7	22♎25	12♑18	13♎19	0♓31	27♒30	17♒50	14°R17	29°D51	29♉23	17♈51	7°R59	S 1
S 2	4 43 53	9°51'48	20°51	19°53	23°29	13° 4	13°29	0°34	27°31	17°51	14♋16	29♉51	29°20	17°58	7♈58	S 2
M 3	4 47 50	10°52'35	5♎ 7	20°46	24°33	13°50	13°38	0°37	27°32	17°52	14°15	29°52	29°16	18° 5	7°57	M 3
T 4	4 51 47	11°53'24	19°35	21°44	25°38	14°36	13°48	0°40	27°34	17°54	14°14	29°53	29°13	18°11	7°56	T 4
W 5	4 55 43	12°54'14	4♏11	22°46	26°43	15°22	13°57	0°43	27°35	17°55	14°13	29°54	29°10	18°18	7°56	W 5
T 6	4 59 40	13°55'05	18°50	23°53	27°48	16° 8	14° 7	0°47	27°36	17°56	14°12	29°54	29° 7	18°25	7°55	T 6
F 7	5 3 36	14°55'58	3♐27	25° 3	28°54	16°55	14°16	0°50	27°38	17°57	14°11	29°R55	29° 4	18°31	7°54	F 7
S 8	5 7 33	15°56'52	17°54	26°16	29°59	17°41	14°25	0°53	27°40	17°58	14°10	29°54	29° 1	18°38	7°53	S 8
S 9	5 11 29	16°57'47	2♑ 5	27°31	1♏ 6	18°27	14°34	0°57	27°41	18° 0	14° 8	29°52	28°57	18°45	7°53	S 9
M10	5 15 26	17°58'43	15°57	28°49	2°12	19°14	14°43	1° 0	27°43	18° 1	14° 7	29°50	28°54	18°51	7°52	M10
T 11	5 19 22	18°59'40	29°26	0♐ 9	3°19	20° 0	14°51	1° 4	27°44	18° 2	14° 6	29°47	28°51	18°58	7°52	T 11
W12	5 23 19	20° 0'37	12♒32	1°31	4°25	20°46	15° 0	1° 8	27°46	18° 4	14° 5	29°44	28°48	19° 5	7°51	W12
T 13	5 27 16	21° 1'36	25°16	2°54	5°32	21°33	15° 8	1°12	27°48	18° 5	14° 4	29°42	28°45	19°11	7°51	T 13
F 14	5 31 12	22° 2'34	7♓39	4°18	6°40	22°19	15°17	1°16	27°50	18° 7	14° 3	29°40	28°42	19°18	7°51	F 14
S 15	5 35 9	23° 3'34	19°48	5°43	7°47	23° 6	15°25	1°20	27°52	18° 8	14° 2	29°D39	28°38	19°25	7°50	S 15
S 16	5 39 5	24° 4'34	1♈45	7° 9	8°55	23°53	15°33	1°24	27°54	18°10	14° 1	29°39	28°35	19°31	7°50	S 16
M17	5 43 2	25° 5'34	13°35	8°36	10° 3	24°39	15°41	1°28	27°56	18°11	13°59	29°40	28°32	19°38	7°50	M17
T 18	5 46 58	26° 6'35	25°25	10° 4	11°11	25°26	15°49	1°32	27°58	18°13	13°58	29°42	28°29	19°45	7°50	T 18
W19	5 50 55	27° 7'36	7♉18	11°32	12°19	26°13	15°57	1°37	28° 0	18°14	13°57	29°44	28°26	19°51	7°D50	W19
T 20	5 54 51	28° 8'38	19°19	13° 1	13°27	26°59	16° 4	1°41	28° 2	18°16	13°56	29°45	28°22	19°58	7°50	T 20
F 21	5 58 48	29° 9'41	1♊30	14°30	14°36	27°46	16°12	1°46	28° 4	18°18	13°55	29°R46	28°19	20° 5	7°50	F 21
S 22	6 2 45	0♑10'44	13°56	16° 0	15°45	28°33	16°19	1°50	28° 6	18°19	13°54	29°45	28°16	20°11	7°50	S 22
S 23	6 6 41	1°11'47	26°38	17°30	16°54	29°20	16°26	1°55	28° 8	18°21	13°52	29°42	28°13	20°18	7°50	S 23
M24	6 10 38	2°12'51	9♋35	19° 0	18° 3	0♒ 6	16°33	2° 0	28°11	18°23	13°51	29°38	28°10	20°25	7°51	M24
T 25	6 14 34	3°13'56	22°47	20°31	19°12	0°53	16°40	2° 5	28°13	18°24	13°50	29°33	28° 7	20°32	7°51	T 25
W26	6 18 31	4°15'01	6♌14	22° 2	20°21	1°40	16°47	2°10	28°15	18°26	13°49	29°27	28° 3	20°38	7°51	W26
T 27	6 22 27	5°16'07	19°53	23°33	21°31	2°27	16°53	2°14	28°18	18°28	13°48	29°21	28° 0	20°45	7°52	T 27
F 28	6 26 24	6°17'13	3♍42	25° 5	22°41	3°14	17° 0	2°20	28°20	18°30	13°46	29°16	27°57	20°52	7°52	F 28
S 29	6 30 21	7°18'20	17°39	26°37	23°51	4° 1	17° 6	2°25	28°22	18°31	13°45	29°13	27°54	20°58	7°53	S 29
S 30	6 34 17	8°19'27	1♎41	28° 9	25° 1	4°48	17°12	2°30	28°25	18°33	13°44	29°11	27°51	21° 5	7°53	S 30
M31	6 38 14	9♑20'35	15♎48	29♐41	26♏11	5♒35	17♎18	2♓35	28♒27	18♒35	13♋43	29°D11	27♉48	21♈12	7♈54	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s45	13n52	5n15	15s 4	2n31	6s47	2n 5	24s 1	1s11	4s10	1n11	12s48	1s37	13s 2	0s45	15s39	0s11	19n49	2s51	20n 6	20n 0	3n50	5n28	2n30
S 2	21 55	8 10	4 56	15 18	2 29	7 8	2 8	23 57	1 11	4 14	1 11	12 46	1 37	13 1	0 45	15 38	0 11	19 50	2 51	20 6	19 59	3 53	5 27	2 30
M 3	22 3	1 56	4 19	15 35	2 26	7 29	2 11	23 53	1 11	4 17	1 11	12 45	1 37	13 1	0 45	15 38	0 11	19 50	2 51	20 6	19 59	3 57	5 27	2 30
T 4	22 12	4s29	3 25	15 54	2 22	7 50	2 13	23 48	1 11	4 21	1 11	12 44	1 37	13 0	0 44	15 38	0 11	19 50	2 51	20 6	19 58	4 0	5 26	2 30
W 5	22 20	10 45	2 18	16 14	2 17	8 11	2 16	23 43	1 11	4 24	1 11	12 43	1 37	13 0	0 44	15 37	0 11	19 50	2 51	20 7	19 57	4 3	5 26	2 29
T 6	22 27	16 26	1 1	16 35	2 12	8 32	2 18	23 37	1 11	4 28	1 11	12 42	1 37	12 59	0 44	15 37	0 11	19 50	2 51	20 7	19 57	4 6	5 25	2 29
F 7	22 34	21 9	0s20	16 58	2 6	8 53	2 20	23 32	1 11	4 31	1 12	12 40	1 37	12 59	0 44	15 36	0 11	19 50	2 51	20 7	19 56	4 9	5 25	2 29
S 8	22 41	24 30	1 38	17 21	2 0	9 14	2 22	23 26	1 11	4 34	1 12	12 39	1 36	12 58	0 44	15 36	0 11	19 50	2 51	20 7	19 55	4 12	5 24	2 29
S 9	22 47	26 13	2 49	17 44	1 54	9 36	2 24	23 19	1 11	4 38	1 12	12 38	1 36	12 58	0 44	15 36	0 11	19 50	2 51	20 6	19 55	4 15	5 24	2 29
M10	22 53	26 14	3 48	18 8	1 47	9 57	2 26	23 13	1 11	4 41	1 12	12 36	1 36	12 57	0 44	15 35	0 11	19 51	2 51	20 6	19 54	4 19	5 24	2 28
T 11	22 58	24 41	4 32	18 32	1 40	10 18	2 27	23 6	1 11	4 44	1 12	12 35	1 36	12 56	0 44	15 35	0 11	19 51	2 51	20 5	19 53	4 22	5 23	2 28
W12	23 3	21 50	5 1	18 56	1 33	10 39	2 29	22 59	1 11	4 47	1 13	12 34	1 36	12 56	0 44	15 34	0 11	19 51	2 51	20 5	19 52	4 25	5 23	2 28
T 13	23 7	18 1	5 14	19 19	1 26	11 0	2 30	22 52	1 11	4 50	1 13	12 32	1 36	12 55	0 44	15 34	0 11	19 51	2 51	20 4	19 52	4 28	5 22	2 28
F 14	23 11	13 31	5 12	19 42	1 18	11 21	2 31	22 44	1 11	4 53	1 13	12 31	1 36	12 54	0 44	15 34	0 11	19 51	2 50	20 4	19 51	4 31	5 22	2 28
S 15	23 14	8 34	4 56	20 5	1 11	11 42	2 32	22 37	1 11	4 56	1 13	12 29	1 36	12 54	0 44	15 33	0 11	19 51	2 50	20 3	19 50	4 34	5 22	2 27
S 16	23 17	3 24	4 27	20 27	1 3	12 2	2 33	22 29	1 11	4 59	1 13	12 28	1 36	12 53	0 44	15 33	0 11	19 51	2 50	20 4	19 50	4 37	5 22	2 27
M17	23 20	1n52	3 47	20 48	0 56	12 23	2 34	22 20	1 11	5 2	1 14	12 26	1 36	12 52	0 44	15 32	0 11	19 52	2 50	20 4	19 49	4 41	5 21	2 27
T 18	23 22	7 4	2 58	21 9	0 48	12 43	2 34	22 12	1 11	5 5	1 14	12 24	1 36	12 52	0 44	15 32	0 11	19 52	2 50	20 4	19 48	4 44	5 21	2 27
W19	23 23	12 2	2 0	21 29	0 41	13 4	2 35	22 3	1 11	5 8	1 14	12 23	1 35	12 51	0 44	15 31	0 11	19 52	2 50	20 5	19 48	4 47	5 21	2 27
T 20	23 24	16 37	0 57	21 48	0 33	13 24	2 35	21 54	1 11	5 10	1 14	12 21	1 35	12 50	0 44	15 31	0 11	19 52	2 50	20 5	19 47	4 50	5 21	2 26
F 21	23 25	20 36	0n10	22 6	0 25	13 44	2 35	21 45	1 11	5 13	1 14	12 19	1 35	12 49	0 44	15 30	0 11	19 52	2 50	20 5	19 46	4 53	5 21	2 26
S 22	23 25	23 44	1 17	22 23	0 18	14 3	2 35	21 35	1 11	5 16	1 15	12 18	1 35	12 49	0 44	15 30	0 11	19 52	2 50	20 5	19 45	4 56	5 20	2 26
S 23	23 25	25 44	2 22	22 39	0 11	14 23	2 35	21 26	1 11	5 18	1 15	12 16	1 35	12 48	0 44	15 29	0 11	19 53	2 50	20 4	19 45	4 59	5 20	2 26
M24	23 24	26 24	3 20	22 54	0 3	14 42	2 35	21 16	1 11	5 21	1 15	12 14	1 35	12 47	0 44	15 29	0 11	19 53	2 50	20 3	19 44	5 3	5 20	2 26
T 25	23 23	25 36	4 10	23 9	0s 4	15 1	2 35	21 5	1 11	5 23	1 15	12 12	1 35	12 46	0 44	15 28	0 11	19 53	2 50	20 2	19 43	5 6	5 20	2 25
W26	23 21	23 19	4 46	23 22	0 11	15 20	2 35	20 55	1 10	5 26	1 15	12 10	1 35	12 45	0 44	15 28	0 11	19 53	2 50	20 1	19 43	5 9	5 20	2 25
T 27	23 19	19 41	5 7	23 34	0 18	15 39	2 34	20 44	1 10	5 28	1 16	12 9	1 35	12 45	0 44	15 27	0 11	19 53	2 50	20 0	19 42	5 12	5 20	2 25
F 28	23 16	14 57	5 10	23 44	0 25	15 57	2 34	20 33	1 10	5 30	1 16	12 7	1 35	12 44	0 44	15 27	0 11	19 53	2 50	19 59	19 41	5 15	5 20	2 25
S 29	23 13	9 24	4 55	23 54	0 31	16 15	2 33	20 22	1 10	5 32	1 16	12 5	1 35	12 43	0 44	15 26	0 11	19 54	2 50	19 58	19 40	5 18	5 20	2 24
S 30	23 9	3 21	4 22	24 2	0 38	16 32	2 32	20 11	1 10	5 34	1 16	12 3	1 35	12 42	0 44	15 26	0 11	19 54	2 50	19 57	19 40	5 21	5 20	2 24
M31	23s 5	2s55	3n34	24s 9	0s44	16s50	2n31	19s59	1s10	5s37	1n17	12s 1	1s35	12s41	0s44	15s25	0s11	19n54	2s50	19n57	19n39	5n25	5n20	2n24

Julian Day Number = 2513970.5, Delta T = 137.19 sec
Ecliptic obliquity = 23°25'06, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°07'43, Lahiri = 26°14'44