



Astrodienst Ephemeris Tables for the year 2070

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 EPHEMERIS for the year 2070
geocentric

JANUARY 2070

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
W 1	6 44 0	10°35'23	2°44	23°R22	29°R53	1°R12	17°H31	18°Δ52	20°A37	9°R33	1°V22	2°R 0	1°M 9	21°M35	0°V45	W 1
T 2	6 47 57	11°54'31	15°45	23°D14	29°A23	1°II 9	17°40	18°55	20°41	9°S31	1°22	1°M55	1° 6	21°42	0°46	T 2
F 3	6 51 54	12°55'40	28°20	23°A16	28°55	1° 8	17°50	18°57	20°44	9°29	1°23	1°51	1° 3	21°48	0°47	F 3
S 4	6 55 50	13°56'48	10°Δ36	23°26	28°28	1°D 7	18° 0	19° 0	20°48	9°28	1°23	1°D50	1° 0	21°55	0°48	S 4
S 5	6 59 47	14°57'57	22°36	23°44	28° 4	1° 7	18°10	19° 2	20°51	9°26	1°24	1°51	0°56	22° 2	0°50	S 5
M 6	7 3 43	15°59'07	4°M27	24° 9	27°43	1° 8	18°20	19° 5	20°54	9°24	1°24	1°R51	0°53	22° 8	0°51	M 6
T 7	7 7 40	17° 0'16	16°13	24°41	27°23	1°10	18°31	19° 7	20°58	9°23	1°25	1°50	0°50	22°15	0°53	T 7
W 8	7 11 36	18° 1'26	28° 1	25°19	27° 6	1°12	18°41	19° 9	21° 1	9°21	1°25	1°47	0°47	22°22	0°54	W 8
T 9	7 15 33	19° 2'35	9°A54	26° 3	26°51	1°16	18°51	19°11	21° 5	9°19	1°26	1°41	0°44	22°28	0°56	T 9
F 10	7 19 29	20° 3'45	21°56	26°51	26°39	1°20	19° 2	19°13	21° 8	9°18	1°27	1°32	0°41	22°35	0°57	F 10
S 11	7 23 26	21° 4'55	4°S10	27°43	26°29	1°24	19°13	19°15	21°11	9°16	1°27	1°21	0°37	22°42	0°59	S 11
S 12	7 27 23	22° 6'04	16°36	28°39	26°22	1°29	19°24	19°17	21°15	9°14	1°28	1° 8	0°34	22°48	1° 0	S 12
M13	7 31 19	23° 7'13	29°16	29°38	26°17	1°35	19°35	19°18	21°18	9°13	1°28	0°53	0°31	22°55	1° 2	M13
T 14	7 35 16	24° 8'22	12°A 9	0°S41	26°D15	1°42	19°46	19°20	21°21	9°11	1°29	0°39	0°28	23° 2	1° 4	T 14
W15	7 39 12	25° 9'31	25°14	1°46	26°15	1°50	19°57	19°21	21°24	9° 9	1°30	0°27	0°25	23° 8	1° 6	W15
T 16	7 43 9	26°10'38	8°H29	2°54	26°18	1°58	20° 8	19°22	21°27	9° 8	1°31	0°18	0°22	23°15	1° 8	T 16
F 17	7 47 5	27°11'45	21°55	4° 4	26°23	2° 6	20°20	19°24	21°31	9° 6	1°31	0°11	0°18	23°22	1° 9	F 17
S 18	7 51 2	28°12'52	5°V31	5°15	26°30	2°16	20°31	19°25	21°34	9° 4	1°32	0° 8	0°15	23°28	1°11	S 18
S 19	7 54 58	29°13'57	19°17	6°29	26°39	2°26	20°43	19°26	21°37	9° 3	1°33	0° 7	0°12	23°35	1°13	S 19
M20	7 58 55	0°15'02	3°S13	7°44	26°51	2°36	20°54	19°27	21°40	9° 1	1°34	0° 7	0° 9	23°42	1°15	M20
T 21	8 2 52	1°16'06	17°19	9° 1	27° 5	2°48	21° 6	19°27	21°43	9° 0	1°35	0° 6	0° 6	23°48	1°17	T 21
W22	8 6 48	2°17'09	1°II35	10°19	27°21	2°59	21°18	19°28	21°46	8°58	1°35	0° 4	0° 2	23°55	1°20	W22
T 23	8 10 45	3°18'11	16° 0	11°39	27°39	3°12	21°30	19°29	21°49	8°57	1°36	29°Δ59	29°Δ59	24° 2	1°22	T 23
F 24	8 14 41	4°19'12	0°S28	13° 0	27°59	3°25	21°42	19°29	21°52	8°55	1°37	29°52	29°56	24° 8	1°24	F 24
S 25	8 18 38	5°20'12	14°55	14°21	28°20	3°38	21°54	19°29	21°55	8°54	1°38	29°41	29°53	24°15	1°26	S 25
S 26	8 22 34	6°21'11	29°14	15°44	28°44	3°52	22° 6	19°30	21°58	8°52	1°39	29°29	29°50	24°21	1°29	S 26
M27	8 26 31	7°22'10	13°J20	17° 8	29°10	4° 7	22°19	19°30	22° 1	8°51	1°40	29°17	29°47	24°28	1°31	M27
T 28	8 30 27	8°23'07	27° 6	18°33	29°37	4°22	22°31	19°R30	22° 3	8°49	1°41	29° 5	29°43	24°35	1°33	T 28
W29	8 34 24	9°24'04	10°H29	19°59	0°S 6	4°37	22°43	19°30	22° 6	8°48	1°42	28°55	29°40	24°41	1°36	W29
T 30	8 38 21	10°25'00	23°29	21°25	0°36	4°53	22°56	19°30	22° 9	8°47	1°43	28°48	29°37	24°48	1°38	T 30
F 31	8 42 17	11°25'56	6°Δ 6	22°S53	1°S 8	5°II 9	23°H 9	19°Δ29	22°A12	8°Δ45	1°V44	28°Δ43	29°Δ34	24°M55	1°V41	F 31

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	22s59	6n26	4s21	20s11	3n 5	19s15	4n11	22n49	2n28	6s 2	1s12	5s 9	2n25	23s10	0s 4	22n 6	1s 0	14s20	16s14	12s10	11s52	16s25	3n 7	3n 5	
T 2	22 54	2 15	3 40	20 15	3 1	19 4	4 22	22 49	2 29	5 58	1 11	5 10	2 25	23 10	0 4	22 6	1 0	14 19	16 14	12 8	11 51	16 26	3 8	3 5	
F 3	22 48	1s55	2 48	20 20	2 56	18 53	4 32	22 49	2 29	5 54	1 11	5 10	2 25	23 10	0 4	22 6	1 0	14 19	16 13	12 7	11 50	16 27	3 8	3 4	
S 4	22 42	5 53	1 51	20 26	2 50	18 43	4 42	22 49	2 30	5 50	1 11	5 11	2 26	23 11	0 4	22 6	1 0	14 18	16 13	12 6	11 49	16 27	3 8	3 4	
S 5	22 35	9 33	0 49	20 34	2 43	18 33	4 52	22 49	2 30	5 46	1 11	5 12	2 26	23 11	0 4	22 6	1 0	14 18	16 13	12 6	11 48	16 28	3 9	3 4	
M 6	22 28	12 47	0n14	20 43	2 35	18 24	5 0	22 50	2 30	5 42	1 11	5 13	2 26	23 11	0 4	22 6	1 0	14 17	16 12	12 7	11 47	16 29	3 9	3 4	
T 7	22 21	15 28	1 16	20 52	2 27	18 16	5 8	22 50	2 30	5 37	1 11	5 13	2 27	23 11	0 4	22 6	0 59	14 17	16 12	12 6	11 46	16 30	3 9	3 4	
W 8	22 13	17 32	2 14	21 2	2 19	18 9	5 15	22 51	2 31	5 33	1 10	5 14	2 27	23 12	0 4	22 7	0 59	14 16	16 12	12 5	11 44	16 31	3 10	3 3	
T 9	22 5	18 50	3 7	21 12	2 10	18 2	5 22	22 52	2 31	5 29	1 10	5 14	2 27	23 12	0 4	22 7	0 59	14 16	16 11	12 3	11 43	16 32	3 10	3 3	
F 10	21 56	19 19	3 52	21 22	2 1	17 56	5 28	22 53	2 31	5 25	1 10	5 15	2 27	23 12	0 4	22 7	0 59	14 15	16 11	12 0	11 42	16 33	3 10	3 3	
S 11	21 47	18 54	4 28	21 33	1 52	17 50	5 33	22 54	2 31	5 20	1 10	5 15	2 28	23 12	0 4	22 7	0 59	14 14	16 11	11 56	11 41	16 34	3 11	3 3	
S 12	21 37	17 35	4 51	21 43	1 43	17 45	5 37	22 55	2 31	5 16	1 10	5 16	2 28	23 12	0 4	22 7	0 59	14 14	16 10	11 52	11 40	16 35	3 11	3 2	
M13	21 27	15 24	5 0	21 52	1 33	17 41	5 41	22 56	2 31	5 11	1 10	5 16	2 28	23 13	0 4	22 7	0 59	14 13	16 10	11 47	11 39	16 35	3 12	3 2	
T 14	21 16	12 26	4 54	22 2	1 24	17 38	5 45	22 57	2 31	5 7	1 9	5 16	2 29	23 13	0 4	22 7	0 59	14 13	16 10	11 42	11 38	16 36	3 12	3 2	
W15	21 6	8 49	4 33	22 10	1 15	17 35	5 48	22 59	2 31	5 2	1 9	5 16	2 29	23 13	0 4	22 8	0 59	14 12	16 9	11 38	11 37	16 37	3 13	3 2	
T 16	20 54	4 43	3 57	22 19	1 5	17 33	5 50	23 0	2 31	4 58	1 9	5 17	2 29	23 13	0 4	22 8	0 59	14 12	16 9	11 34	11 36	16 38	3 13	3 2	
F 17	20 43	0 20	3 7	22 26	0 56	17 31	5 52	23 2	2 31	4 53	1 9	5 17	2 29	23 14	0 4	22 8	0 59	14 11	16 9	11 32	11 34	16 39	3 14	3 1	
S 18	20 31	4n 7	2 6	22 32	0 47	17 30	5 53	23 4	2 31	4 49	1 9	5 17	2 30	23 14	0 4	22 8	0 59	14 10	16 9	11 31	11 33	16 40	3 15	3 1	
S 19	20 18	8 25	0 57	22 38	0 38	17 29	5 54	23 6	2 30	4 44	1 9	5 17	2 30	23 14	0 4	22 8	0 59	14 10	16 8	11 30	11 32	16 41	3 15	3 1	
M20	20 5	12 19	0s16	22 43	0 29	17 29	5 55	23 8	2 30	4 39	1 9	5 17	2 30	23 14	0 4	22 8	0 59	14 9	16 8	11 30	11 31	16 41	3 16	3 1	
T 21	19 52	15 34	1 30	22 47	0 20	17 29	5 55	23 10	2 30	4 35	1 8	5 17	2 31	23 14	0 4	22 8	0 59	14 9	16 8	11 30	11 30	16 42	3 16	3 1	
W22	19 38	17 53	2 38	22 50	0 12	17 30	5 54	23 12	2 30	4 30	1 8	5 17	2 31	23 15	0 4	22 8	0 59	14 8	16 7	11 29	11 29	16 43	3 17	3 0	
T 23	19 25	19 6	3 37	22 52	0 3	17 31	5 54	23 14	2 30	4 25	1 8	5 17	2 31	23 15	0 4	22 9	0 59	14 7	16 7	11 28	11 28	16 44	3 18	3 0	
F 24	19 10	19 3	4 22	22 52	0s 5	17 32	5 53	23 16	2 29	4 20	1 8	5 17	2 31	23 15	0 4	22 9	0 59	14 7	16 7	11 25	11 27	16 45	3 19	3 0	
S 25	18 56	17 47	4 51	22 52	0 13	17 34	5 51	23 18	2 29	4 15	1 8	5 17	2 32	23 15	0 4	22 9	0 59	14 6	16 6	11 21	11 26	16 46	3 19	3 0	
S 26	18 41	15 24	5 0	22 50	0 20	17 36	5 49	23 21	2 29	4 10	1 8	5 17	2 32	23 15	0 4	22 9	0 59	14 6	16 6	11 17	11 24	16 46	3 20	3 0	
M27	18 25	12 9	4 52	22 48	0 28	17 38	5 47	23 23	2 28	4 5	1 8	5 17	2 32	23 16	0 4	22 9	0 59	14 5	16 6	11 13	11 23	16 47	3 21	2 59	
T 28	18 10	8 18	4 26	22 44	0 35	17 41	5 45	23 26	2 28	4 0	1 8	5 16	2 32	23 16	0 4	22 9	0 59	14 4	16 6	11 9	11 22	16 48	3 21	2 59	
W29	17 54	4 9	3 46	22 39	0 42	17 43	5 43	23 28	2 28	3 55	1 8	5 16	2 33	23 16	0 4	22 9	0 59	14 4	16 5	11 5	11 21	16 49	3 22	2 59	
T 30	17 37	0s 6	2 55	22 32	0 49	17 46	5 40	23 31	2 28	3 50	1 7	5 16	2 33	23 16	0 4	22 9	0 59	14 3	16 5	11 2	11 20	16 50	3 23	2 59	
F 31	17s21	4s13	1s57	22s25	0s56	17s49	5n37	23n34	2n27	3s45	1s 7	5s15	2n33	23s16	0s 4	22n10	0s59	14s 2	16s 5	11s 1	11s19	16s51	3n24	2n59	

ASTRODIENST EPHEMERIS for the year 2070

geocentric

FEBRUARY 2070

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	8 46 14	12 ²⁶ 50	18 ²⁴ 24	24 ²¹ 21	1 ⁴¹ 41	5 ²⁶ 26	23 ²¹ 21	19 ²⁹ 29	22 ¹⁴ 14	8 ⁴⁴ 44	1 ⁴⁵ 45	28 ⁴¹ 41	29 ³¹ 31	25 ¹¹ 11	1 ⁴³ 43	S 1
S 2	8 50 10	13 ²⁷ 44	0 ²⁷ 27	25 ⁵⁰ 50	2 ¹⁶ 16	5 ⁴⁴ 44	23 ³⁴ 34	19 ²⁸ 28	22 ¹⁷ 17	8 ⁴² 42	1 ⁴⁶ 46	28 ⁴¹ 41	29 ²⁸ 28	25 ⁰⁸ 08	1 ⁴⁶ 46	S 2
M 3	8 54 7	14 ²⁸ 37	12 ²⁰ 20	27 ²⁰ 20	2 ⁵³ 53	6 ⁰¹ 01	23 ⁴⁷ 47	19 ²⁸ 28	22 ²⁰ 20	8 ⁴¹ 41	1 ⁴⁷ 47	28 ⁴¹ 41	29 ²⁴ 24	25 ¹⁵ 15	1 ⁴⁸ 48	M 3
T 4	8 58 3	15 ²⁹ 29	24 ⁰⁸ 08	28 ⁵¹ 51	3 ³⁰ 30	6 ²⁰ 20	24 ⁰⁰ 00	19 ²⁷ 27	22 ²² 22	8 ⁴⁰ 40	1 ⁴⁸ 48	28 ⁴¹ 41	29 ²¹ 21	25 ²¹ 21	1 ⁵¹ 51	T 4
W 5	9 2 0	16 ³⁰ 21	5 ⁵⁷ 57	0 ²² 22	4 ⁰⁹ 09	6 ³⁸ 38	24 ¹³ 13	19 ²⁶ 26	22 ²⁵ 25	8 ³⁹ 39	1 ⁴⁹ 49	28 ³⁹ 39	29 ¹⁸ 18	25 ²⁸ 28	1 ⁵⁴ 54	W 5
T 6	9 5 56	17 ³¹ 11	17 ⁵³ 53	1 ⁵⁴ 54	4 ⁴⁹ 49	6 ⁵⁷ 57	24 ²⁶ 26	19 ²⁵ 25	22 ²⁷ 27	8 ³⁷ 37	1 ⁵⁰ 50	28 ³⁴ 34	29 ¹⁵ 15	25 ³⁵ 35	1 ⁵⁶ 56	T 6
F 7	9 9 53	18 ³² 01	29 ⁵⁹ 59	3 ²⁷ 27	5 ³⁰ 30	7 ¹⁷ 17	24 ³⁹ 39	19 ²⁴ 24	22 ³⁰ 30	8 ³⁶ 36	1 ⁵² 52	28 ²⁸ 28	29 ¹² 12	25 ⁴¹ 41	1 ⁵⁹ 59	F 7
S 8	9 13 50	19 ³² 50	12 ²⁰ 20	5 ⁰¹ 01	6 ¹² 12	7 ³⁶ 36	24 ⁵² 52	19 ²³ 23	22 ³² 32	8 ³⁵ 35	1 ⁵³ 53	28 ¹⁸ 18	29 ⁰⁸ 08	25 ⁴⁸ 48	2 ⁰² 02	S 8
S 9	9 17 46	20 ³³ 38	24 ⁵⁸ 58	6 ³⁵ 35	6 ⁵⁶ 56	7 ⁵⁷ 57	25 ⁰⁵ 05	19 ²² 22	22 ³⁴ 34	8 ³⁴ 34	1 ⁵⁴ 54	28 ⁰⁷ 07	29 ⁰⁵ 05	25 ⁵⁵ 55	2 ⁰⁵ 05	S 9
M10	9 21 43	21 ³⁴ 24	7 ²⁵ 25	8 ¹¹ 11	7 ⁴⁰ 40	8 ¹⁷ 17	25 ¹⁸ 18	19 ²¹ 21	22 ³⁷ 37	8 ³² 32	1 ⁵⁵ 55	27 ⁵⁵ 55	29 ⁰² 02	26 ⁰¹ 01	2 ⁰⁸ 08	M10
T 11	9 25 39	22 ³⁵ 09	21 ⁰⁶ 06	9 ⁴⁷ 47	8 ²⁵ 25	8 ³⁸ 38	25 ³² 32	19 ¹⁹ 19	22 ³⁹ 39	8 ³¹ 31	1 ⁵⁶ 56	27 ⁴³ 43	28 ⁵⁹ 59	26 ⁰⁸ 08	2 ¹⁰ 10	T 11
W12	9 29 36	23 ³⁵ 53	4 ³⁴ 34	11 ²⁴ 24	9 ¹² 12	8 ⁵⁹ 59	25 ⁴⁵ 45	19 ¹⁸ 18	22 ⁴¹ 41	8 ³⁰ 30	1 ⁵⁸ 58	27 ³² 32	28 ⁵⁶ 56	26 ¹⁵ 15	2 ¹³ 13	W12
T 13	9 33 32	24 ³⁶ 36	18 ⁰¹ 01	13 ⁰¹ 01	9 ⁵⁹ 59	9 ²¹ 21	25 ⁵⁹ 59	19 ¹⁶ 16	22 ⁴³ 43	8 ²⁹ 29	1 ⁵⁹ 59	27 ²⁴ 24	28 ⁵³ 53	26 ²¹ 21	2 ¹⁶ 16	T 13
F 14	9 37 29	25 ³⁷ 17	2 ¹⁷ 17	14 ⁴⁰ 40	10 ⁴⁷ 47	9 ⁴³ 43	26 ¹² 12	19 ¹⁴ 14	22 ⁴⁵ 45	8 ²⁸ 28	2 ⁰⁰ 00	27 ¹⁹ 19	28 ⁴⁹ 49	26 ²⁸ 28	2 ¹⁹ 19	F 14
S 15	9 41 25	26 ³⁷ 56	16 ⁰³ 03	16 ¹⁹ 19	11 ³⁶ 36	10 ⁰⁵ 05	26 ²⁶ 26	19 ¹² 12	22 ⁴⁸ 48	8 ²⁷ 27	2 ⁰¹ 01	27 ¹⁶ 16	28 ⁴⁶ 46	26 ³⁵ 35	2 ²² 22	S 15
S 16	9 45 22	27 ³⁸ 34	0 ¹⁸ 18	17 ⁵⁹ 59	12 ²⁵ 25	10 ²⁸ 28	26 ³⁹ 39	19 ¹⁰ 10	22 ⁵⁰ 50	8 ²⁶ 26	2 ⁰³ 03	27 ¹⁶ 16	28 ⁴³ 43	26 ⁴¹ 41	2 ²⁵ 25	S 16
M17	9 49 19	28 ³⁹ 10	14 ⁰⁹ 09	19 ⁴⁰ 40	13 ¹⁶ 16	10 ⁵¹ 51	26 ⁵³ 53	19 ⁰⁸ 08	22 ⁵² 52	8 ²⁵ 25	2 ⁰⁴ 04	27 ¹⁶ 16	28 ⁴⁰ 40	26 ⁴⁸ 48	2 ²⁸ 28	M17
T 18	9 53 15	29 ³⁹ 44	28 ⁰¹ 01	21 ²² 22	14 ⁰⁷ 07	11 ¹⁴ 14	27 ⁰⁷ 07	19 ⁰⁶ 06	22 ⁵⁴ 54	8 ²⁴ 24	2 ⁰⁵ 05	27 ¹⁷ 17	28 ³⁷ 37	26 ⁵⁵ 55	2 ³¹ 31	T 18
W19	9 57 12	0 ⁴⁰ 17	12 ¹¹ 11	23 ⁰⁵ 05	14 ⁵⁹ 59	11 ³⁸ 38	27 ²¹ 21	19 ⁰⁴ 04	22 ⁵⁶ 56	8 ²³ 23	2 ⁰⁶ 06	27 ¹⁶ 16	28 ³³ 33	27 ⁰¹ 01	2 ³⁵ 35	W19
T 20	10 1 8	1 ⁴⁰ 18	26 ²⁹ 29	24 ⁴⁹ 49	15 ⁵¹ 51	12 ⁰² 02	27 ³⁴ 34	19 ⁰² 02	22 ⁵⁷ 57	8 ²² 22	2 ⁰⁸ 08	27 ¹⁴ 14	28 ³⁰ 30	27 ⁰⁸ 08	2 ³⁸ 38	T 20
F 21	10 5 5	2 ⁴¹ 17	10 ²³ 23	26 ³⁴ 34	16 ⁴⁴ 44	12 ²⁶ 26	27 ⁴⁸ 48	18 ⁵⁹ 59	22 ⁵⁹ 59	8 ²¹ 21	2 ⁰⁹ 09	27 ⁰⁹ 09	28 ²⁷ 27	27 ¹⁵ 15	2 ⁴¹ 41	F 21
S 22	10 9 1	3 ⁴¹ 44	24 ³¹ 31	28 ¹⁹ 19	17 ³⁸ 38	12 ⁵⁰ 50	28 ⁰² 02	18 ⁵⁷ 57	23 ⁰¹ 01	8 ²¹ 21	2 ¹⁰ 10	27 ⁰¹ 01	28 ²⁴ 24	27 ²¹ 21	2 ⁴⁴ 44	S 22
S 23	10 12 58	4 ⁴² 09	8 ¹² 12	0 ¹⁸ 18	18 ³² 32	13 ¹⁵ 15	28 ¹⁶ 16	18 ⁵⁴ 54	23 ⁰³ 03	8 ²⁰ 20	2 ¹² 12	26 ⁵³ 53	28 ²¹ 21	27 ²⁸ 28	2 ⁴⁷ 47	S 23
M24	10 16 54	5 ⁴² 32	22 ⁰¹ 01	1 ⁵³ 53	19 ²⁷ 27	13 ⁴⁰ 40	28 ³⁰ 30	18 ⁵¹ 51	23 ⁰⁴ 04	8 ¹⁹ 19	2 ¹³ 13	26 ⁴⁴ 44	28 ¹⁸ 18	27 ³⁵ 35	2 ⁵⁰ 50	M24
T 25	10 20 51	6 ⁴² 54	5 ¹² 12	3 ⁴² 42	20 ²³ 23	14 ⁰⁵ 05	28 ⁴⁴ 44	18 ⁴⁹ 49	23 ⁰⁶ 06	8 ¹⁸ 18	2 ¹⁵ 15	26 ³⁵ 35	28 ¹⁴ 14	27 ⁴¹ 41	2 ⁵⁴ 54	T 25
W26	10 24 48	7 ⁴³ 14	18 ³³ 33	5 ³¹ 31	21 ¹⁹ 19	14 ³⁰ 30	28 ⁵⁸ 58	18 ⁴⁶ 46	23 ⁰⁸ 08	8 ¹⁸ 18	2 ¹⁶ 16	26 ²⁸ 28	28 ¹¹ 11	27 ⁴⁸ 48	2 ⁵⁷ 57	W26
T 27	10 28 44	8 ⁴³ 33	1 ²² 22	7 ²² 22	22 ¹⁶ 16	14 ⁵⁶ 56	29 ¹² 12	18 ⁴³ 43	23 ⁰⁹ 09	8 ¹⁷ 17	2 ¹⁷ 17	26 ²³ 23	28 ⁰⁸ 08	27 ⁵⁵ 55	3 ⁰⁰ 00	T 27
F 28	10 32 41	9 ⁴³ 49	13 ²⁵ 25	9 ¹³ 13	23 ¹³ 13	15 ¹¹ 11	29 ²⁶ 26	18 ⁴⁰ 40	23 ¹¹ 11	8 ¹⁶ 16	2 ¹⁹ 19	26 ²⁰ 20	28 ⁰⁵ 05	28 ¹¹ 11	3 ⁰⁴ 04	F 28

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	17s 4	8s 3	0s54	22s16	1s 2	17s52	5n33	23n36	2n27	3s40	1s 7	5s15	2n34	23s16	0s 4	22n10	0s59	14s 2	16s 5	11s 0	11s18	16s51	3n25	2n58	
S 2	16 46	11 29	0n 9	22 5	1 9	17 55	5 30	23 39	2 26	3 35	1 7	5 15	2 34	23 17	0 4	22 10	0 59	14 1	16 4	11 0	11 17	16 52	3 26	2 58	
M 3	16 29	14 23	1 12	21 54	1 14	17 58	5 26	23 42	2 26	3 30	1 7	5 14	2 34	23 17	0 4	22 10	0 59	14 0	16 4	11 0	11 15	16 53	3 26	2 58	
T 4	16 11	16 41	2 11	21 41	1 20	18 1	5 22	23 45	2 26	3 24	1 7	5 14	2 34	23 17	0 4	22 10	0 59	14 0	16 4	11 0	11 14	16 54	3 27	2 58	
W 5	15 53	18 16	3 4	21 27	1 25	18 3	5 18	23 48	2 25	3 19	1 7	5 13	2 35	23 17	0 4	22 10	0 59	13 59	16 4	10 59	11 13	16 55	3 28	2 58	
T 6	15 35	19 3	3 50	21 12	1 30	18 6	5 14	23 50	2 25	3 14	1 7	5 12	2 35	23 17	0 4	22 10	0 59	13 58	16 3	10 58	11 12	16 55	3 29	2 58	
F 7	15 16	18 59	4 27	20 55	1 35	18 9	5 10	23 53	2 25	3 9	1 7	5 12	2 35	23 17	0 4	22 10	0 59	13 58	16 3	10 55	11 11	16 56	3 30	2 57	
S 8	14 57	18 1	4 51	20 37	1 40	18 12	5 6	23 56	2 24	3 3	1 7	5 11	2 35	23 18	0 4	22 10	0 59	13 57	16 3	10 52	11 10	16 57	3 31	2 57	
S 9	14 38	16 10	5 2	20 17	1 44	18 14	5 1	23 59	2 24	2 58	1 6	5 10	2 36	23 18	0 5	22 11	0 59	13 56	16 3	10 48	11 9	16 58	3 32	2 57	
M10	14 18	13 29	4 58	19 57	1 48	18 17	4 56	24 2	2 23	2 53	1 6	5 10	2 36	23 18	0 5	22 11	0 59	13 56	16 2	10 44	11 8	16 59	3 33	2 57	
T 11	13 59	10 4	4 38	19 35	1 51	18 19	4 51	24 5	2 23	2 47	1 6	5 9	2 36	23 18	0 5	22 11	0 59	13 55	16 2	10 39	11 6	16 59	3 34	2 57	
W12	13 39	6 4	4 2	19 11	1 54	18 21	4 46	24 8	2 22	2 42	1 6	5 8	2 37	23 18	0 5	22 11	0 59	13 54	16 2	10 36	11 5	17 0	3 35	2 57	
T 13	13 19	1 41	3 12	18 46	1 57	18 22	4 41	24 11	2 22	2 37	1 6	5 7	2 37	23 18	0 5	22 11	0 59	13 54	16 2	10 33	11 4	17 1	3 36	2 56	
F 14	12 58	2n49	2 10	18 20	2 0	18 24	4 36	24 14	2 21	2 31	1 6	5 6	2 37	23 18	0 5	22 11	0 59	13 53	16 2	10 31	11 3	17 2	3 37	2 56	
S 15	12 38	7 14	1 0	17 52	2 2	18 25	4 31	24 17	2 21	2 26	1 6	5 5	2 37	23 18	0 5	22 11	0 58	13 52	16 1	10 30	11 2	17 2	3 38	2 56	
S 16	12 17	11 16	0s15	17 24	2 4	18 26	4 26	24 19	2 21	2 20	1 6	5 4	2 38	23 19	0 5	22 11	0 58	13 52	16 1	10 30	11 1	17 3	3 39	2 56	
M17	11 56	14 40	1 29	16 53	2 5	18 27	4 20	24 22	2 20	2 15	1 6	5 3	2 38	23 19	0 5	22 11	0 58	13 51	16 1	10 30	11 0	17 4	3 40	2 56	
T 18	11 35	17 12	2 38	16 22	2 6	18 27	4 15	24 25	2 20	2 9	1 6	5 2	2 38	23 19	0 5	22 11	0 58	13 50	16 1	10 30	10 59	17 5	3 41	2 56	
W19	11 14	18 40	3 37	15 48	2 7	18 27	4 10	24 28	2 19	2 4	1 6	5 1	2 38	23 19	0 5	22 12	0 58	13 50	16 1	10 30	10 57	17 5	3 42	2 56	
T 20	10 52	18 59	4 23	15 14	2 7	18 27	4 4	24 31	2 19	1 58	1 6	5 0	2 39	23 19	0 5	22 12	0 58	13 49	16 0	10 29	10 56	17 6	3 44	2 55	
F 21	10 31	18 8	4 53	14 38	2 6	18 26	5 58	24 33	2 18	1 53	1 6	4 59	2 39	23 19	0 5	22 12	0 58	13 48	16 0	10 27	10 55	17 7	3 45	2 55	
S 22	10 9	16 11	5 6	14 1	2 6	18 25	3 53	24 36	2 18	1 47	1 5	4 58	2 39	23 19	0 5	22 12	0 58	13 48	16 0	10 24	10 54	17 8	3 46	2 55	
S 23	9 47	13 20	5 0	13 23	2 5	18 24	3 47	24 39	2 17	1 41	1 5	4 57	2 39	23 19	0 5	22 12	0 58	13 47	16 0	10 21	10 53	17 8	3 47	2 55	
M24	9 25	9 47	4 37	12 43	2 3	18 22	3 41	24 41	2 17	1 36	1 5	4 55	2 39	23 20	0 5	22 12	0 58	13 46	16 0	10 18	10 52	17 9	3 48	2 55	
T 25	9 3	5 48	3 59	12 1	2 1	18 20	3 36	24 44	2 16	1 30	1 5	4 54	2 40	23 20	0 5	22 12	0 58	13 46	16 0	10 15	10 51	17 10	3 49	2 55	
W26	8 40	1 37	3 9	11 19	1 58	18 17	3 30	24 46	2 16	1 24	1 5	4 53	2 40	23 20	0 5	22 12	0 58	13 45	16 0	10 12	10 49	17 11	3 51	2 55	
T 27	8 18	2s32	2 11	10 35	1 55	18 14	3 24	24 49	2 15	1 19	1 5	4 52	2 40	23 20	0 5	22 12	0 58	13 44	15 59	10 10	10 48	17 11	3 52	2 54	
F 28	7s55	6s30	1s 7	9s50	1s52	18s11	3n18	24n51	2n15	1s13	1s 5	4s50	2n40	23s20	0s 5	22n12	0s58	13s44	15s59	10s 9	10s47	17s12	3n53	2n54	

ASTRODIENST EPHEMERIS for the year 2070
geocentric

MARCH 2070

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	10 36 37	10♈44'05	26♏ 9	11♈ 5	24♏10	15♏48	29♈40	18°R37	23♏12	8°R16	2°V20	26°D19	28♏ 2	28♏ 8	3°V 7	S 1
S 2	10 40 34	11°44'18	8♏12	12°58	25° 8	16°14	29°55	18♏34	23°13	8♏15	2°22	26♏19	27°59	28°15	3°10	S 2
M 3	10 44 30	12°44'31	20° 5	14°52	26° 7	16°41	0°V 9	18°30	23°15	8°15	2°23	26°21	27°55	28°21	3°14	M 3
T 4	10 48 27	13°44'41	1♏55	16°47	27° 6	17° 8	0°23	18°27	23°16	8°14	2°24	26°22	27°52	28°28	3°17	T 4
W 5	10 52 23	14°44'50	13°45	18°42	28° 5	17°35	0°37	18°24	23°17	8°14	2°26	26°R23	27°49	28°35	3°20	W 5
T 6	10 56 20	15°44'58	25°41	20°38	29° 5	18° 2	0°52	18°20	23°19	8°13	2°27	26°22	27°46	28°41	3°24	T 6
F 7	11 0 16	16°45'04	7♏49	22°34	0♏ 5	18°29	1° 6	18°17	23°20	8°13	2°29	26°20	27°43	28°48	3°27	F 7
S 8	11 4 13	17°45'09	20°12	24°30	1° 6	18°57	1°20	18°13	23°21	8°12	2°30	26°16	27°39	28°55	3°31	S 8
S 9	11 8 10	18°45'12	2♏54	26°27	2° 7	19°25	1°35	18° 9	23°22	8°12	2°32	26°11	27°36	29° 1	3°34	S 9
M10	11 12 6	19°45'13	15°57	28°24	3° 8	19°53	1°49	18° 5	23°23	8°12	2°33	26° 5	27°33	29° 8	3°37	M10
T 11	11 16 3	20°45'12	29°22	0°V20	4°10	20°21	2° 4	18° 2	23°24	8°11	2°35	25°59	27°30	29°15	3°41	T 11
W12	11 19 59	21°45'10	13♈ 8	2°15	5°12	20°49	2°18	17°58	23°25	8°11	2°36	25°53	27°27	29°21	3°44	W12
T 13	11 23 56	22°45'05	27°12	4°10	6°14	21°18	2°32	17°54	23°25	8°11	2°38	25°49	27°24	29°28	3°48	T 13
F 14	11 27 52	23°44'59	11°V29	6° 3	7°16	21°46	2°47	17°50	23°26	8°11	2°39	25°47	27°20	29°35	3°51	F 14
S 15	11 31 49	24°44'51	25°54	7°54	8°19	22°15	3° 1	17°46	23°27	8°11	2°41	25°D46	27°17	29°41	3°55	S 15
S 16	11 35 45	25°44'40	10♏22	9°43	9°22	22°44	3°16	17°42	23°28	8°10	2°42	25°46	27°14	29°48	3°58	S 16
M17	11 39 42	26°44'28	24°48	11°30	10°26	23°13	3°30	17°37	23°28	8°10	2°44	25°48	27°11	29°55	4° 2	M17
T 18	11 43 39	27°44'13	9♏ 8	13°13	11°29	23°43	3°45	17°33	23°29	8°10	2°45	25°49	27° 8	0♏ 1	4° 5	T 18
W19	11 47 35	28°43'56	23°20	14°53	12°33	24°12	3°59	17°29	23°29	8°D10	2°47	25°R50	27° 4	0° 8	4° 9	W19
T 20	11 51 32	29°43'37	7♏22	16°29	13°37	24°42	4°14	17°25	23°30	8°10	2°48	25°50	27° 1	0°15	4°13	T 20
F 21	11 55 28	0°V43'15	21°12	18° 1	14°41	25°12	4°29	17°20	23°30	8°10	2°50	25°49	26°58	0°21	4°16	F 21
S 22	11 59 25	1°42'51	4♏51	19°27	15°46	25°41	4°43	17°16	23°30	8°10	2°51	25°46	26°55	0°28	4°20	S 22
S 23	12 3 21	2°42'25	18°17	20°48	16°51	26°12	4°58	17°12	23°31	8°11	2°53	25°43	26°52	0°35	4°23	S 23
M24	12 7 18	3°41'57	1♏29	22° 3	17°56	26°42	5°12	17° 7	23°31	8°11	2°54	25°40	26°49	0°41	4°27	M24
T 25	12 11 14	4°41'26	14°28	23°12	19° 1	27°12	5°27	17° 3	23°31	8°11	2°56	25°36	26°45	0°48	4°30	T 25
W26	12 15 11	5°40'53	27°14	24°15	20° 6	27°42	5°41	16°58	23°31	8°11	2°57	25°34	26°42	0°55	4°34	W26
T 27	12 19 8	6°40'18	9♏46	25°11	21°12	28°13	5°56	16°54	23°31	8°11	2°59	25°32	26°39	1° 1	4°37	T 27
F 28	12 23 4	7°39'41	22° 5	25°59	22°18	28°44	6°10	16°49	23°R31	8°12	3° 0	25°D31	26°36	1° 8	4°41	F 28
S 29	12 27 1	8°39'03	4♏13	26°41	23°24	29°14	6°25	16°44	23°31	8°12	3° 2	25°32	26°33	1°15	4°44	S 29
S 30	12 30 57	9°38'22	16°12	27°15	24°30	29°45	6°39	16°40	23°31	8°12	3° 3	25°32	26°30	1°21	4°48	S 30
M31	12 34 54	10°V37'39	28♏ 5	27°V42	25♏36	0♏16	6°V54	16♏35	23♏31	8♏13	3°V 5	25♏34	26♏26	1♏28	4°V51	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	7s32	10s 6	0s 1	9s 4	1s47	18s 7	3n12	24n54	2n14	1s 7	1s 5	4s49	2n41	23s20	0s 5	22n12
S 2	7 9	13 13	1n 4	8 16	1 43	18 2	3 6	24 56	2 14	1 2	1 5	4 47	2 41	23 20	0 5	22 12
M 3	6 46	15 45	2 5	7 27	1 37	17 58	3 1	24 58	2 13	0 56	1 5	4 46	2 41	23 20	0 5	22 13
T 4	6 23	17 35	3 1	6 37	1 32	17 52	2 55	25 0	2 13	0 50	1 5	4 45	2 41	23 20	0 5	22 13
W 5	6 0	18 39	3 49	5 46	1 25	17 47	2 49	25 2	2 12	0 45	1 5	4 43	2 41	23 20	0 5	22 13
T 6	5 37	18 54	4 28	4 55	1 18	17 40	2 43	25 4	2 12	0 39	1 5	4 42	2 42	23 20	0 5	22 13
F 7	5 14	18 17	4 55	4 2	1 10	17 34	2 37	25 6	2 11	0 33	1 5	4 40	2 42	23 20	0 5	22 13
S 8	4 50	16 49	5 9	3 8	1 2	17 27	2 31	25 8	2 11	0 28	1 5	4 39	2 42	23 21	0 5	22 13
S 9	4 27	14 29	5 9	2 14	0 54	17 19	2 25	25 10	2 10	0 22	1 5	4 37	2 42	23 21	0 5	22 13
M10	4 3	11 23	4 53	1 19	0 44	17 11	2 20	25 12	2 10	0 16	1 5	4 35	2 42	23 21	0 5	22 13
T 11	3 40	7 37	4 20	0 24	0 34	17 3	2 14	25 13	2 9	0 10	1 5	4 34	2 42	23 21	0 5	22 13
W12	3 16	3 22	3 32	0n32	0 24	16 54	2 8	25 15	2 9	0 5	1 5	4 32	2 43	23 21	0 5	22 13
T 13	2 53	1n11	2 30	1 27	0 13	16 44	2 2	25 16	2 8	0n 1	1 5	4 31	2 43	23 21	0 5	22 13
F 14	2 29	5 44	1 17	2 22	0 2	16 34	1 56	25 18	2 7	0 7	1 5	4 29	2 43	23 21	0 5	22 13
S 15	2 5	9 59	0s 1	3 17	0n10	16 24	1 51	25 19	2 7	0 13	1 5	4 27	2 43	23 21	0 5	22 13
S 16	1 41	13 40	1 19	4 11	0 22	16 13	1 45	25 20	2 6	0 19	1 5	4 26	2 43	23 21	0 5	22 13
M17	1 18	16 29	2 33	5 5	0 35	16 1	1 39	25 21	2 6	0 24	1 5	4 24	2 43	23 21	0 5	22 13
T 18	0 54	18 15	3 36	5 57	0 47	15 50	1 34	25 22	2 5	0 30	1 5	4 22	2 43	23 21	0 5	22 13
W19	0 30	18 51	4 25	6 47	1 0	15 37	1 28	25 23	2 5	0 36	1 5	4 20	2 44	23 21	0 5	22 13
T 20	0 7	18 16	4 58	7 36	1 13	15 24	1 23	25 24	2 4	0 42	1 5	4 19	2 44	23 21	0 5	22 13
F 21	0n17	16 36	5 13	8 23	1 25	15 11	1 17	25 24	2 4	0 47	1 5	4 17	2 44	23 21	0 5	22 14
S 22	0 41	14 1	5 10	9 7	1 38	14 58	1 12	25 25	2 3	0 53	1 5	4 15	2 44	23 21	0 5	22 14
S 23	1 5	10 44	4 50	9 49	1 50	14 43	1 6	25 25	2 3	0 59	1 5	4 13	2 44	23 21	0 5	22 14
M24	1 28	6 58	4 15	10 28	2 2	14 29	1 1	25 25	2 2	1 5	1 5	4 12	2 44	23 21	0 5	22 14
T 25	1 52	2 55	3 27	11 5	2 13	14 14	0 56	25 26	2 2	1 10	1 5	4 10	2 44	23 21	0 5	22 14
W26	2 15	1s12	2 30	11 38	2 24	13 58	0 51	25 26	2 1	1 16	1 5	4 8	2 44	23 21	0 5	22 14
T 27	2 39	5 11	1 26	12 8	2 34	13 43	0 45	25 26	2 1	1 22	1 5	4 6	2 44	23 21	0 5	22 14
F 28	3 2	8 54	0 19	12 34	2 43	13 26	0 40	25 26	2 0	1 28	1 5	4 4	2 44	23 21	0 5	22 14
S 29	3 26	12 10	0n48	12 57	2 52	13 10	0 35	25 25	2 0	1 33	1 5	4 3	2 44	23 21	0 5	22 14
S 30	3 49	14 53	1 52	13 16	2 59	12 52	0 30	25 25	1 59	1 39	1 5	4 1	2 44	23 21	0 5	22 14
M31	4n12	16s57	2n51	13n32	3n 5	12s35	0n25	25n24	1n59	1n45	1s 5	3s59	2n45	23s21	0s 5	22n14

Julian Day Number = 2477171.5, Delta T = 81.07 sec
Ecliptic obliquity = 23°25'41, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°43'14, Lahiri = 24°50'14

ASTRODIENST EPHEMERIS for the year 2070

geocentric

APRIL 2070

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 38 50	11°36'55	9°55	28°19	26°43	0°47	7°19	16°R31	23°R31	8°13	3°19	25°35	26°23	1°35	4°55	T 1
W 2	12 42 47	12°36'09	21°45	28°14	27°49	1°19	7°23	16°26	23°31	8°14	3°8	25°36	26°20	1°41	4°59	W 2
T 3	12 46 43	13°35'21	3°41	28°R19	28°56	1°50	7°37	16°21	23°31	8°14	3°9	25°37	26°17	1°48	5°2	T 3
F 4	12 50 40	14°34'31	15°48	28°16	0°13	2°21	7°52	16°17	23°30	8°15	3°10	25°R37	26°14	1°55	5°6	F 4
S 5	12 54 36	15°33'40	28°9	28°7	1°10	2°53	8°6	16°12	23°30	8°15	3°12	25°37	26°10	2°1	5°9	S 5
S 6	12 58 33	16°32'46	10°49	27°52	2°17	3°25	8°21	16°7	23°29	8°16	3°13	25°36	26°7	2°8	5°13	S 6
M 7	13 2 30	17°31'51	23°51	27°30	3°25	3°56	8°35	16°3	23°29	8°16	3°15	25°35	26°4	2°15	5°16	M 7
T 8	13 6 26	18°30'54	7°19	27°3	4°32	4°28	8°50	15°58	23°28	8°17	3°16	25°34	26°1	2°21	5°19	T 8
W 9	13 10 23	19°29'55	21°11	26°31	5°40	5°0	9°4	15°53	23°28	8°18	3°18	25°34	25°58	2°28	5°23	W 9
T 10	13 14 19	20°28'55	5°27	25°55	6°48	5°32	9°19	15°49	23°27	8°18	3°19	25°33	25°55	2°35	5°26	T 10
F 11	13 18 16	21°27'52	20°1	25°15	7°56	6°4	9°33	15°44	23°26	8°19	3°21	25°D33	25°51	2°41	5°30	F 11
S 12	13 22 12	22°26'48	4°49	24°33	9°4	6°37	9°47	15°40	23°26	8°20	3°22	25°33	25°48	2°48	5°33	S 12
S 13	13 26 9	23°25'41	19°43	23°48	10°12	7°9	10°2	15°35	23°25	8°21	3°24	25°33	25°45	2°55	5°37	S 13
M14	13 30 5	24°24'32	4°15	23°3	11°20	7°41	10°16	15°30	23°24	8°22	3°25	25°33	25°42	3°1	5°40	M14
T 15	13 34 2	25°23'22	19°18	22°18	12°28	8°14	10°30	15°26	23°23	8°23	3°26	25°R33	25°39	3°8	5°43	T 15
W16	13 37 59	26°22'08	3°46	21°34	13°37	8°46	10°45	15°21	23°22	8°23	3°28	25°33	25°36	3°15	5°47	W16
T 17	13 41 55	27°20'53	17°55	20°51	14°45	9°19	10°59	15°17	23°21	8°24	3°29	25°33	25°32	3°21	5°50	T 17
F 18	13 45 52	28°19'35	1°45	20°11	15°54	9°52	11°13	15°12	23°20	8°25	3°31	25°D33	25°29	3°28	5°54	F 18
S 19	13 49 48	29°18'16	15°15	19°33	17°3	10°25	11°27	15°8	23°19	8°26	3°32	25°33	25°26	3°35	5°57	S 19
S 20	13 53 45	0°16'53	28°26	18°59	18°12	10°57	11°41	15°3	23°18	8°27	3°33	25°34	25°23	3°41	6°0	S 20
M21	13 57 41	1°15'29	11°20	18°29	19°21	11°30	11°56	14°59	23°17	8°29	3°35	25°34	25°20	3°48	6°3	M21
T 22	14 1 38	2°14'02	23°59	18°4	20°30	12°3	12°10	14°55	23°16	8°30	3°36	25°35	25°16	3°55	6°7	T 22
W23	14 5 34	3°12'34	6°25	17°42	21°39	12°36	12°24	14°50	23°14	8°31	3°37	25°35	25°13	4°1	6°10	W23
T 24	14 9 31	4°11'03	18°40	17°26	22°48	13°10	12°38	14°46	23°13	8°32	3°39	25°36	25°10	4°8	6°13	T 24
F 25	14 13 28	5°9'30	0°46	17°15	23°57	13°43	12°52	14°42	23°12	8°33	3°40	25°R36	25°7	4°15	6°16	F 25
S 26	14 17 24	6°7'56	12°45	17°8	25°6	14°16	13°6	14°38	23°10	8°34	3°41	25°35	25°4	4°21	6°20	S 26
S 27	14 21 21	7°6'20	24°39	17°D 7	26°16	14°50	13°20	14°34	23°9	8°35	3°43	25°34	25°1	4°28	6°23	S 27
M28	14 25 17	8°4'42	6°30	17°10	27°25	15°23	13°33	14°29	23°8	8°37	3°44	25°33	24°57	4°35	6°26	M28
T 29	14 29 14	9°3'02	18°20	17°19	28°35	15°56	13°47	14°25	23°6	8°38	3°45	25°31	24°54	4°41	6°29	T 29
W30	14 33 10	10°1'21	0°12	17°Y32	29°44	16°30	14°Y 1	14°21	23°5	8°39	3°47	25°29	24°51	4°48	6°Y32	W30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	4n35	18s16	3n42	13n44	3n10	12s17	0n21	25n24	1n58	1n51	1s5	3s57	2n45	23s21	0s5	22n14
W 2	4 59	18 47	4 24	13 51	3 14	11 59	0 16	25 23	1 58	1 56	1 5	3 55	2 45	23 21	0 5	22 14
T 3	5 22	18 28	4 54	13 55	3 16	11 40	0 11	25 22	1 57	2 2	1 5	3 54	2 45	23 21	0 5	22 14
F 4	5 45	17 19	5 13	13 55	3 17	11 21	0 6	25 21	1 57	2 8	1 5	3 52	2 45	23 21	0 5	22 14
S 5	6 7	15 21	5 17	13 51	3 16	11 2	0 2	25 20	1 56	2 13	1 5	3 50	2 45	23 21	0 5	22 14
S 6	6 30	12 36	5 6	13 43	3 14	10 42	0s3	25 19	1 56	2 19	1 5	3 48	2 45	23 21	0 5	22 14
M 7	6 53	9 10	4 40	13 32	3 10	10 22	0 7	25 17	1 55	2 25	1 5	3 46	2 45	23 21	0 5	22 14
T 8	7 15	5 9	3 57	13 17	3 4	10 1	0 11	25 16	1 55	2 30	1 5	3 45	2 45	23 21	0 5	22 14
W 9	7 38	0 45	3 0	12 58	2 57	9 40	0 16	25 14	1 54	2 36	1 5	3 43	2 45	23 21	0 5	22 14
T 10	8 0	3n50	1 49	12 37	2 48	9 19	0 20	25 12	1 54	2 42	1 5	3 41	2 45	23 21	0 5	22 14
F 11	8 22	8 18	0 31	12 13	2 38	8 58	0 24	25 10	1 53	2 47	1 5	3 39	2 45	23 21	0 5	22 14
S 12	8 44	12 19	0s51	11 47	2 27	8 36	0 28	25 8	1 53	2 53	1 5	3 38	2 45	23 21	0 5	22 14
S 13	9 6	15 34	2 10	11 19	2 14	8 14	0 32	25 6	1 52	2 58	1 5	3 36	2 45	23 21	0 5	22 14
M14	9 27	17 46	3 20	10 49	2 0	7 52	0 36	25 4	1 52	3 4	1 5	3 34	2 45	23 21	0 5	22 14
T 15	9 49	18 44	4 16	10 18	1 45	7 29	0 40	25 1	1 51	3 9	1 5	3 32	2 45	23 21	0 5	22 14
W16	10 10	18 27	4 55	9 47	1 30	7 6	0 43	24 59	1 50	3 15	1 5	3 31	2 45	23 21	0 5	22 14
T 17	10 31	17 1	5 15	9 16	1 13	6 43	0 47	24 56	1 50	3 21	1 5	3 29	2 45	23 21	0 5	22 14
F 18	10 52	14 37	5 16	8 46	0 57	6 20	0 50	24 53	1 49	3 26	1 5	3 27	2 45	23 21	0 5	22 14
S 19	11 13	11 29	4 59	8 16	0 40	5 56	0 54	24 50	1 49	3 32	1 5	3 26	2 44	23 21	0 5	22 14
S 20	11 34	7 50	4 27	7 47	0 23	5 33	0 57	24 47	1 48	3 37	1 5	3 24	2 44	23 21	0 5	22 14
M21	11 54	3 53	3 42	7 21	0 6	5 8	1 0	24 43	1 48	3 42	1 5	3 22	2 44	23 21	0 5	22 14
T 22	12 15	0s10	2 47	6 56	0s10	4 44	1 3	24 40	1 47	3 48	1 6	3 21	2 44	23 21	0 5	22 14
W23	12 35	4 9	1 45	6 33	0 26	4 20	1 7	24 36	1 47	3 53	1 6	3 19	2 44	23 21	0 6	22 14
T 24	12 54	7 54	0 38	6 12	0 42	3 55	1 9	24 33	1 46	3 59	1 6	3 18	2 44	23 21	0 6	22 14
F 25	13 14	11 17	0n29	5 54	0 57	3 31	1 12	24 29	1 46	4 4	1 6	3 16	2 44	23 21	0 6	22 14
S 26	13 34	14 10	1 34	5 38	1 11	3 6	1 15	24 25	1 45	4 9	1 6	3 15	2 44	23 21	0 6	22 13
S 27	13 53	16 26	2 34	5 25	1 24	2 40	1 18	24 21	1 45	4 15	1 6	3 13	2 44	23 21	0 6	22 13
M28	14 12	17 58	3 28	5 15	1 37	2 15	1 20	24 16	1 44	4 20	1 6	3 12	2 44	23 21	0 6	22 13
T 29	14 30	18 44	4 12	5 7	1 49	1 50	1 23	24 12	1 44	4 25	1 6	3 10	2 44	23 20	0 6	22 13
W30	14n49	18s40	4n46	5n 1	2s 0	1s24	1s25	24n 7	1n43	4n31	1s 6	3s 9	2n43	23s20	0s 6	22n13

Julian Day Number = 2477202.5, Delta T = 81.10 sec

Ecliptic obliquity = 23°25'41, Nutation = 0°00'07, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 25°43'18, Lahiri = 24°50'19

ASTRODIENST EPHEMERIS for the year 2070
geocentric

MAY 2070

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	14 37 7	10♌59°38	12♊9	17♍50	0♋54	17♎4	14♍15	14°R18	23°R 3	8♏41	3♍48	25°R27	24♎48	4♌55	6♍35	T 1
F 2	14 41 3	11°57'53	24°15	18°12	2° 4	17°37	14°28	14♎14	23♌1	8°42	3°49	25♎25	24°45	5° 2	6°38	F 2
S 3	14 45 0	12°56'07	6♎35	18°39	3°14	18°11	14°42	14°10	23° 0	8°43	3°50	25°24	24°41	5° 8	6°41	S 3
S 4	14 48 57	13°54'20	19°11	19°10	4°24	18°45	14°56	14° 6	22°58	8°45	3°51	25°D24	24°38	5°15	6°44	S 4
M 5	14 52 53	14°52'31	2♋8	19°45	5°34	19°19	15° 9	14° 2	22°56	8°46	3°53	25°25	24°35	5°22	6°47	M 5
T 6	14 56 50	15°50'40	15°30	20°24	6°44	19°53	15°23	13°59	22°54	8°48	3°54	25°26	24°32	5°28	6°50	T 6
W 7	15 0 46	16°48'48	29°17	21° 6	7°54	20°26	15°36	13°55	22°53	8°49	3°55	25°28	24°29	5°35	6°53	W 7
T 8	15 4 43	17°46'55	13♍32	21°52	9° 4	21° 1	15°50	13°52	22°51	8°51	3°56	25°29	24°26	5°42	6°56	T 8
F 9	15 8 39	18°45'00	28°11	22°42	10°14	21°35	16° 3	13°48	22°49	8°52	3°57	25°R29	24°22	5°48	6°59	F 9
S 10	15 12 36	19°43'04	13♊8	23°35	11°25	22° 9	16°16	13°45	22°47	8°54	3°58	25°28	24°19	5°55	7° 1	S 10
S 11	15 16 32	20°41'06	28°18	24°31	12°35	22°43	16°30	13°42	22°45	8°56	4° 0	25°26	24°16	6° 2	7° 4	S 11
M12	15 20 29	21°39'07	13♎29	25°31	13°45	23°17	16°43	13°39	22°43	8°57	4° 1	25°23	24°13	6° 8	7° 7	M12
T 13	15 24 26	22°37'06	28°31	26°33	14°56	23°51	16°56	13°36	22°41	8°59	4° 2	25°20	24°10	6°15	7°10	T 13
W14	15 28 22	23°35'03	13♎18	27°38	16° 6	24°26	17° 9	13°33	22°39	9° 1	4° 3	25°16	24° 7	6°22	7°12	W14
T 15	15 32 19	24°32'59	27°42	28°46	17°17	25° 0	17°22	13°30	22°37	9° 2	4° 4	25°13	24° 3	6°28	7°15	T 15
F 16	15 36 15	25°30'52	11♎40	29°57	18°27	25°35	17°35	13°27	22°35	9° 4	4° 5	25°11	24° 0	6°35	7°18	F 16
S 17	15 40 12	26°28'44	25°11	1♊10	19°38	26° 9	17°48	13°24	22°33	9° 6	4° 6	25°D10	23°57	6°42	7°20	S 17
S 18	15 44 8	27°26'34	8♎18	2°26	20°49	26°44	18° 1	13°21	22°31	9° 7	4° 7	25°10	23°54	6°48	7°23	S 18
M19	15 48 5	28°24'22	21° 3	3°44	21°59	27°18	18°13	13°19	22°29	9° 9	4° 8	25°12	23°51	6°55	7°25	M19
T 20	15 52 1	29°22'09	3♎31	5° 5	23°10	27°53	18°26	13°16	22°26	9°11	4° 9	25°13	23°47	7° 2	7°28	T 20
W21	15 55 58	0♎19°54	15°44	6°29	24°21	28°28	18°39	13°14	22°24	9°13	4°10	25°15	23°44	7° 8	7°30	W21
T 22	15 59 54	1°17'37	27°48	7°54	25°32	29° 2	18°51	13°11	22°22	9°15	4°11	25°R15	23°41	7°15	7°32	T 22
F 23	16 3 51	2°15'19	9♎44	9°23	26°43	29°37	19° 4	13° 9	22°20	9°16	4°12	25°14	23°38	7°22	7°35	F 23
S 24	16 7 48	3°12'59	21°36	10°53	27°53	0♎12	19°16	13° 7	22°17	9°18	4°12	25°11	23°35	7°28	7°37	S 24
S 25	16 11 44	4°10'39	3♌26	12°26	29° 4	0°47	19°28	13° 5	22°15	9°20	4°13	25° 6	23°32	7°35	7°39	S 25
M26	16 15 41	5° 8'17	15°16	14° 1	0♌15	1°22	19°41	13° 3	22°13	9°22	4°14	25° 0	23°28	7°42	7°42	M26
T 27	16 19 37	6° 5'54	27° 9	15°39	1°26	1°57	19°53	13° 1	22°11	9°24	4°15	24°53	23°25	7°49	7°44	T 27
W28	16 23 34	7° 3'29	9♊5	17°19	2°37	2°32	20° 5	12°59	22° 8	9°26	4°16	24°45	23°22	7°55	7°46	W28
T 29	16 27 30	8° 1'04	21° 7	19° 1	3°49	3° 7	20°17	12°57	22° 6	9°28	4°17	24°38	23°19	8° 2	7°48	T 29
F 30	16 31 27	8°58'38	3♎17	20°45	5° 0	3°42	20°29	12°56	22° 4	9°30	4°17	24°31	23°16	8° 9	7°50	F 30
S 31	16 35 24	9♎56'10	15♎38	22♊32	6♊11	4♎17	20♍41	12♎54	22♌1	9♏32	4♍18	24♎27	23♎13	8♌15	7♍52	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	decl	decl	lat
T 1	15n 7	17s46	5n 8	4n58	2s11	0s59	1s28	24n 2	1n43	4n36	1s 6	3s 7	2n43	23s20	0s 6	22n13	0s56	13s12	16s 3	9s50	9s36	17s50	5n14	2n51		
F 2	15 25	16 4	5 16	4 58	2 20	0 33	1 30	23 58	1 42	4 41	1 6	3 6	2 43	23 20	0 6	22 13	0 55	13 11	16 3	9 50	9 35	17 51	5 15	2 51		
S 3	15 43	13 37	5 10	5 0	2 29	0 7	1 32	23 53	1 42	4 46	1 6	3 5	2 43	23 20	0 6	22 13	0 55	13 11	16 3	9 49	9 34	17 51	5 17	2 51		
S 4	16 0	10 29	4 49	5 5	2 37	0n19	1 34	23 47	1 41	4 51	1 6	3 3	2 43	23 20	0 6	22 13	0 55	13 11	16 3	9 49	9 32	17 52	5 18	2 51		
M 5	16 18	6 46	4 14	5 11	2 44	0 44	1 36	23 42	1 41	4 57	1 7	3 2	2 43	23 20	0 6	22 13	0 55	13 11	16 3	9 50	9 31	17 52	5 19	2 51		
T 6	16 34	2 36	3 23	5 20	2 50	1 10	1 38	23 37	1 40	5 2	1 7	3 1	2 43	23 20	0 6	22 13	0 55	13 10	16 4	9 50	9 30	17 53	5 20	2 51		
W 7	16 51	1n51	2 20	5 31	2 56	1 37	1 39	23 31	1 40	5 7	1 7	2 59	2 43	23 20	0 6	22 13	0 55	13 10	16 4	9 50	9 29	17 53	5 21	2 52		
T 8	17 7	6 21	1 5	5 44	3 0	2 3	1 41	23 25	1 39	5 12	1 7	2 58	2 42	23 20	0 6	22 13	0 55	13 10	16 4	9 51	9 28	17 54	5 23	2 52		
F 9	17 24	10 35	0s15	5 58	3 4	2 29	1 43	23 20	1 39	5 17	1 7	2 57	2 42	23 20	0 6	22 13	0 55	13 10	16 4	9 51	9 27	17 54	5 24	2 52		
S 10	17 39	14 15	1 36	6 15	3 7	2 55	1 44	23 14	1 38	5 22	1 7	2 56	2 42	23 20	0 6	22 13	0 55	13 10	16 5	9 51	9 25	17 55	5 25	2 52		
S 11	17 55	17 0	2 51	6 33	3 10	3 21	1 46	23 7	1 38	5 27	1 7	2 55	2 42	23 20	0 6	22 13	0 55	13 9	16 5	9 50	9 24	17 55	5 26	2 52		
M12	18 10	18 32	3 54	6 53	3 11	3 47	1 47	23 1	1 37	5 32	1 7	2 54	2 42	23 19	0 6	22 13	0 55	13 9	16 5	9 49	9 23	17 56	5 27	2 52		
T 13	18 25	18 45	4 40	7 15	3 12	4 13	1 48	22 55	1 37	5 37	1 7	2 53	2 42	23 19	0 6	22 12	0 55	13 9	16 6	9 48	9 22	17 56	5 28	2 52		
W14	18 40	17 40	5 7	7 38	3 13	4 39	1 49	22 48	1 36	5 42	1 7	2 52	2 41	23 19	0 6	22 12	0 55	13 9	16 6	9 46	9 21	17 57	5 29	2 52		
T 15	18 54	15 29	5 13	8 2	3 12	5 5	1 50	22 42	1 36	5 47	1 8	2 51	2 41	23 19	0 6	22 12	0 55	13 9	16 6	9 45	9 20	17 57	5 30	2 52		
F 16	19 8	12 27	5 1	8 28	3 11	5 31	1 51	22 35	1 35	5 51	1 8	2 50	2 41	23 19	0 6	22 12	0 55	13 9	16 6	9 44	9 18	17 58	5 31	2 52		
S 17	19 21	8 51	4 32	8 55	3 9	5 57	1 52	22 28	1 35	5 56	1 8	2 49	2 41	23 19	0 6	22 12	0 55	13 8	16 7	9 44	9 17	17 58	5 33	2 52		
S 18	19 35	4 54	3 49	9 23	3 7	6 23	1 52	22 21	1 34	6 1	1 8	2 48	2 41	23 19	0 6	22 12	0 55	13 8	16 7	9 44	9 16	17 59	5 34	2 52		
M19	19 48	0 51	2 56	9 52	3 4	6 49	1 53	22 13	1 34	6 6	1 8	2 47	2 40	23 19	0 6	22 12	0 55	13 8	16 7	9 45	9 15	17 59	5 35	2 52		
T 20	20 0	3s10	1 56	10 23	3 0	7 14	1 54	22 6	1 33	6 10	1 8	2 46	2 40	23 19	0 6	22 12	0 55	13 8	16 8	9 45	9 14	17 59	5 36	2 52		
W21	20 13	6 59	0 52	10 54	2 56	7 40	1 54	21 59	1 33	6 15	1 8	2 46	2 40	23 18	0 6	22 12	0 55	13 8	16 8	9 46	9 13	18 0	5 37	2 52		
T 22	20 25	10 28	0n14	11 26	2 51	8 5	1 54	21 51	1 32	6 20	1 8	2 45	2 40	23 18	0 6	22 12	0 55	13 8	16 8	9 46	9 11	18 0	5 38	2 52		
F 23	20 36	13 29	1 18	11 59	2 46	8 31	1 55	21 43	1 32	6 24	1 8	2 44	2 40	23 18	0 6	22 12	0 55	13 8	16 8	9 45	9 10	18 1	5 39	2 52		
S 24	20 47	15 55	2 19	12 33	2 40	8 56	1 55	21 35	1 31	6 29	1 9	2 44	2 39	23 18	0 6	22 11	0 55	13 8	16 9	9 44	9 9	18 1	5 40	2 52		
S 25	20 58	17 41	3 13	13 7	2 34	9 21	1 55	21 27	1 31	6 33	1 9	2 43	2 39	23 18	0 6	22 11	0 55	13 8	16 9	9 43	9 8	18 2	5 41	2 52		
M26	21 9	18 40	3 58	13 42	2 27	9 46	1 55	21 19	1 31	6 38	1 9	2 42	2 39	23 18	0 6	22 11	0 55	13 8	16 9	9 40	9 7	18 2	5 41	2 52		
T 27	21 19	18 50	4 34	14 17	2 20	10 10	1 55	21 11	1 30	6 42	1 9	2 42	2 39	23 18	0 6	22 11	0 55	13 8	16 10	9 38	9 6	18 3	5 42	2 53		
W28	21 29	18 10	4 57	14 53	2 12	10 35	1 55	21 2	1 30	6 47	1 9	2 41	2 39	23 18	0 6	22 11	0 55	13 8	16 10	9 35	9 4	18 3	5 43	2 53		
T 29	21 38	16 42	5 8	15 29	2 4	10 59	1 54	20 54	1 29	6 51	1 9	2 41	2 38	23 17	0 6	22 11	0 55	13 8	16 10	9 32	9 3	18 3	5 44	2 53		
F 30	21 47	14 28	5 5	16 5	1 55	11 23	1 54	20 45	1 29	6 55	1 9	2 41	2 38	23 17	0 6	22 11	0 55	13 8	16 11	9 30	9 2	18 4	5 45	2 53		
S 31	21n56	11s33	4n48	16n41	1s46	11n47	1s54	20n36	1n28	7n 0	1s10	2s40	2n38	23s17	0s 6	22n11	0s55	13s 8	16s11	9s28	9s 1	18s 4	5n46	2n53		

ASTRODIENST EPHEMERIS for the year 2070

geocentric

JUNE 2070

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 39 20	10 ^{II} 53'42	28 ^{III} 14	24 ^{III} 21	7 ^{II} 22	4 ^{II} 52	20 ^V 52	12°R53	21°R59	9 ^{III} 34	4 ^V 19	24°R24	23 ^{III} 9	8 ^{III} 22	7 ^V 54	S 1
M 2	16 43 17	11°51'13	11 ^{III} 7	26°13	8°33	5°27	21° 4	12 ^{III} 51	21 ^{III} 56	9°36	4°20	24°D23	23° 6	8°29	7°56	M 2
T 3	16 47 13	12°48'43	24°22	28° 6	9°45	6° 2	21°16	12°50	21°54	9°38	4°20	24 ^{III} 24	23° 3	8°35	7°58	T 3
W 4	16 51 10	13°46'13	8 ^V 1	0 ^{II} 2	10°56	6°38	21°27	12°49	21°51	9°40	4°21	24°25	23° 0	8°42	8° 0	W 4
T 5	16 55 6	14°43'42	22° 6	2° 0	12° 7	7°13	21°38	12°48	21°49	9°42	4°22	24°R26	22°57	8°49	8° 2	T 5
F 6	16 59 3	15°41'10	6 ^{III} 36	4° 0	13°19	7°48	21°50	12°47	21°47	9°44	4°22	24°25	22°53	8°55	8° 3	F 6
S 7	17 2 59	16°38'37	21°29	6° 2	14°30	8°24	22° 1	12°46	21°44	9°46	4°23	24°22	22°50	9° 2	8° 5	S 7
S 8	17 6 56	17°36'04	6 ^{II} 38	8° 6	15°42	8°59	22°12	12°46	21°42	9°48	4°23	24°18	22°47	9° 9	8° 7	S 8
M 9	17 10 53	18°33'30	21°53	10°12	16°53	9°35	22°23	12°45	21°39	9°50	4°24	24°11	22°44	9°15	8° 8	M 9
T 10	17 14 49	19°30'55	7 ^{III} 5	12°19	18° 5	10°10	22°34	12°44	21°37	9°52	4°25	24° 3	22°41	9°22	8°10	T 10
W11	17 18 46	20°28'19	22° 2	14°28	19°16	10°46	22°45	12°44	21°34	9°55	4°25	23°55	22°38	9°29	8°12	W11
T 12	17 22 42	21°25'42	6 ^{II} 37	16°38	20°28	11°21	22°56	12°44	21°32	9°57	4°26	23°47	22°34	9°35	8°13	T 12
F 13	17 26 39	22°23'04	20°44	18°48	21°40	11°57	23° 6	12°43	21°29	9°59	4°26	23°41	22°31	9°42	8°15	F 13
S 14	17 30 35	23°20'25	4 ^{III} 22	21° 0	22°51	12°33	23°17	12°43	21°27	10° 1	4°27	23°38	22°28	9°49	8°16	S 14
S 15	17 34 32	24°17'45	17°32	23°12	24° 3	13° 8	23°27	12°D43	21°24	10° 3	4°27	23°36	22°25	9°56	8°17	S 15
M16	17 38 28	25°15'05	0 ^{III} 16	25°24	25°15	13°44	23°37	12°43	21°22	10° 5	4°27	23°D36	22°22	10° 2	8°19	M16
T 17	17 42 25	26°12'23	12°40	27°36	26°27	14°20	23°48	12°43	21°20	10° 7	4°28	23°36	22°19	10° 9	8°20	T 17
W18	17 46 22	27° 9'40	24°49	29°47	27°38	14°56	23°58	12°44	21°17	10°10	4°28	23°R37	22°15	10°16	8°21	W18
T 19	17 50 18	28° 6'57	6 ^{III} 47	1 ^{III} 58	28°50	15°32	24° 8	12°44	21°15	10°12	4°28	23°36	22°12	10°22	8°22	T 19
F 20	17 54 15	29° 4'13	18°38	4° 8	0 ^{II} 2	16° 8	24°17	12°45	21°12	10°14	4°29	23°33	22° 9	10°29	8°23	F 20
S 21	17 58 11	0 ^{III} 1'28	0 ^{III} 27	6°16	1°14	16°43	24°27	12°45	21°10	10°16	4°29	23°28	22° 6	10°36	8°24	S 21
S 22	18 2 8	0°58'42	12°17	8°24	2°26	17°19	24°37	12°46	21° 7	10°18	4°29	23°20	22° 3	10°42	8°25	S 22
M23	18 6 4	1°55'57	24°10	10°30	3°38	17°55	24°46	12°47	21° 5	10°21	4°30	23° 9	21°59	10°49	8°26	M23
T 24	18 10 1	2°53'10	6 ^{III} 7	12°34	4°50	18°31	24°56	12°47	21° 3	10°23	4°30	22°57	21°56	10°56	8°27	T 24
W25	18 13 57	3°50'23	18°11	14°37	6° 2	19° 7	25° 5	12°48	21° 0	10°25	4°30	22°45	21°53	11° 2	8°28	W25
T 26	18 17 54	4°47'36	0 ^{III} 22	16°37	7°14	19°44	25°14	12°49	20°58	10°27	4°30	22°33	21°50	11° 9	8°29	T 26
F 27	18 21 51	5°44'49	12°42	18°36	8°26	20°20	25°23	12°51	20°55	10°30	4°30	22°22	21°47	11°16	8°30	F 27
S 28	18 25 47	6°42'02	25°12	20°33	9°38	20°56	25°32	12°52	20°53	10°32	4°31	22°14	21°44	11°23	8°30	S 28
S 29	18 29 44	7°39'14	7 ^{III} 54	22°28	10°50	21°32	25°41	12°53	20°51	10°34	4°31	22° 8	21°40	11°29	8°31	S 29
M30	18 33 40	8°36'27	20 ^{III} 50	24°20	12 ^{II} 2	22°28	25°49	12°55	20°51	10°36	4°31	22° 5	21°37	11°36	8°32	M30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	22n 4	8s 4	4n17	17n18	1s36	12n11	1s53	20n27	1n28	7n 4	1s10	2s40	2n38	23s17	0s 6	22n11
M 2	22 12	4 7	3 32	17 54	1 27	12 34	1 53	20 18	1 27	7 8	1 10	2 40	2 37	23 17	0 6	22 10
T 3	22 19	0n 8	2 35	18 29	1 16	12 57	1 52	20 9	1 27	7 12	1 10	2 39	2 37	23 17	0 6	22 10
W 4	22 27	4 31	1 27	19 4	1 6	13 20	1 51	20 0	1 26	7 17	1 10	2 39	2 37	23 17	0 6	22 10
T 5	22 33	8 48	0 13	19 39	0 56	13 43	1 50	19 50	1 26	7 21	1 10	2 39	2 37	23 17	0 6	22 10
F 6	22 40	12 41	1s 5	20 12	0 45	14 5	1 50	19 41	1 25	7 25	1 10	2 39	2 36	23 16	0 6	22 10
S 7	22 45	15 52	2 20	20 45	0 34	14 27	1 49	19 31	1 25	7 29	1 11	2 39	2 36	23 16	0 6	22 10
S 8	22 51	18 0	3 27	21 16	0 23	14 49	1 48	19 21	1 24	7 33	1 11	2 39	2 36	23 16	0 6	22 10
M 9	22 56	18 52	4 19	21 46	0 12	15 10	1 47	19 11	1 24	7 37	1 11	2 39	2 36	23 16	0 6	22 10
T 10	23 1	18 22	4 53	22 14	0 1	15 31	1 45	19 1	1 23	7 41	1 11	2 39	2 36	23 16	0 6	22 9
W11	23 5	16 36	5 5	22 41	0n 9	15 52	1 44	18 51	1 23	7 44	1 11	2 39	2 35	23 16	0 6	22 9
T 12	23 9	13 48	4 58	23 5	0 20	16 12	1 43	18 41	1 22	7 48	1 11	2 39	2 35	23 16	0 6	22 9
F 13	23 13	10 16	4 33	23 27	0 30	16 32	1 42	18 30	1 22	7 52	1 12	2 39	2 35	23 15	0 6	22 9
S 14	23 16	6 18	3 52	23 47	0 40	16 52	1 40	18 20	1 21	7 56	1 12	2 39	2 35	23 15	0 6	22 9
S 15	23 18	2 9	3 1	24 5	0 50	17 11	1 39	18 9	1 21	7 59	1 12	2 39	2 34	23 15	0 6	22 9
M16	23 21	1s58	2 2	24 19	0 59	17 30	1 37	17 58	1 20	8 3	1 12	2 39	2 34	23 15	0 6	22 9
T 17	23 22	5 54	0 58	24 31	1 7	17 48	1 35	17 48	1 20	8 7	1 12	2 40	2 34	23 15	0 6	22 8
W18	23 24	9 30	0n 6	24 41	1 15	18 6	1 34	17 37	1 19	8 10	1 12	2 40	2 34	23 15	0 6	22 8
T 19	23 25	12 40	1 10	24 47	1 22	18 24	1 32	17 26	1 19	8 14	1 13	2 40	2 33	23 14	0 6	22 8
F 20	23 25	15 17	2 9	24 51	1 29	18 41	1 30	17 14	1 18	8 17	1 13	2 41	2 33	23 14	0 6	22 8
S 21	23 26	17 15	3 3	24 51	1 35	18 57	1 28	17 3	1 18	8 20	1 13	2 41	2 33	23 14	0 6	22 8
S 22	23 25	18 29	3 49	24 49	1 40	19 13	1 27	16 52	1 17	8 24	1 13	2 42	2 33	23 14	0 6	22 8
M23	23 25	18 54	4 24	24 45	1 44	19 29	1 25	16 40	1 17	8 27	1 13	2 42	2 32	23 14	0 6	22 7
T 24	23 24	18 29	4 49	24 38	1 48	19 44	1 23	16 29	1 16	8 30	1 14	2 43	2 32	23 14	0 6	22 7
W25	23 22	17 14	5 1	24 28	1 51	19 59	1 21	16 17	1 16	8 34	1 14	2 44	2 32	23 14	0 6	22 7
T 26	23 20	15 12	4 59	24 16	1 53	20 13	1 19	16 5	1 15	8 37	1 14	2 44	2 32	23 13	0 6	22 7
F 27	23 18	12 28	4 43	24 2	1 54	20 26	1 16	15 53	1 15	8 40	1 14	2 45	2 31	23 13	0 6	22 7
S 28	23 15	9 8	4 14	23 45	1 55	20 40	1 14	15 41	1 14	8 43	1 14	2 46	2 31	23 13	0 6	22 7
S 29	23 12	5 20	3 31	23 27	1 55	20 52	1 12	15 29	1 14	8 46	1 15	2 46	2 31	23 13	0 6	22 7
M30	23n 9	1s13	2n37	23n 7	1n55	21n 4	1s10	15n17	1n13	8n49	1s15	2s47	2n31	23s13	0s 6	22n 6

Julian Day Number = 2477263.5, Delta T = 81.16 sec

Ecliptic obliquity = 23°25'39, Nutation = 0°00'06, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 25°43'27, Lahiri = 24°50'27

ASTRODIENST EPHEMERIS for the year 2070

geocentric

AUGUST 2070

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	20 39 50	9♌ 8'38	25♋56	3♎59	20♊49	11♎47	29♏6	14♌30	19♏49	11♋46	4♏23	19♏13	19♌56	15♌10	8♏24	F 1
S 2	20 43 47	10° 6'02	10♏18	4°23	22° 2	12°24	29° 9	14°35	19♌47	11°48	4♏22	19♌10	19°52	15°17	8♏23	S 2
S 3	20 47 43	11° 3'27	24°54	4°42	23°15	13° 1	29°12	14°39	19°46	11°50	4°22	19° 4	19°49	15°24	8°21	S 3
M 4	20 51 40	12° 0'54	9♊36	4°57	24°29	13°39	29°15	14°44	19°45	11°52	4°21	18°57	19°46	15°30	8°20	M 4
T 5	20 55 36	12°58'21	24°20	5° 7	25°42	14°16	29°18	14°48	19°44	11°54	4°20	18°47	19°43	15°37	8°19	T 5
W 6	20 59 33	13°55'50	8♏56	5°R12	26°55	14°54	29°21	14°53	19°43	11°56	4°20	18°37	19°40	15°44	8°18	W 6
T 7	21 3 29	14°53'19	23°18	5°12	28° 9	15°32	29°23	14°58	19°42	11°58	4°19	18°28	19°36	15°50	8°16	T 7
F 8	21 7 26	15°50'50	7♎20	5° 6	29°22	16° 9	29°26	15° 2	19°40	11°59	4°18	18°20	19°33	15°57	8°15	F 8
S 9	21 11 22	16°48'21	20°57	4°55	0♌36	16°47	29°28	15° 7	19°40	12° 1	4°17	18°15	19°30	16° 4	8°14	S 9
S 10	21 15 19	17°45'53	4♌10	4°39	1°49	17°25	29°29	15°12	19°39	12° 3	4°17	18°12	19°27	16°10	8°12	S 10
M 11	21 19 16	18°43'26	16°58	4°18	3° 3	18° 2	29°31	15°17	19°38	12° 5	4°16	18°D11	19°24	16°17	8°11	M 11
T 12	21 23 12	19°41'00	29°25	3°51	4°16	18°40	29°33	15°22	19°37	12° 7	4°15	18°12	19°21	16°24	8° 9	T 12
W 13	21 27 9	20°38'35	11♎35	3°19	5°30	19°18	29°34	15°27	19°36	12° 9	4°14	18°12	19°17	16°31	8° 8	W 13
T 14	21 31 5	21°36'11	23°34	2°43	6°44	19°56	29°35	15°33	19°35	12°11	4°14	18°R13	19°14	16°37	8° 6	T 14
F 15	21 35 2	22°33'48	5♌27	2° 2	7°57	20°34	29°36	15°38	19°35	12°13	4°13	18°12	19°11	16°44	8° 4	F 15
S 16	21 38 58	23°31'25	17°18	1°18	9°11	21°12	29°36	15°43	19°34	12°14	4°12	18° 9	19° 8	16°51	8° 3	S 16
S 17	21 42 55	24°29'04	29°12	0°30	10°25	21°49	29°37	15°49	19°33	12°16	4°11	18° 4	19° 5	16°57	8° 1	S 17
M 18	21 46 51	25°26'44	11♋14	29♏40	11°39	22°27	29°37	15°54	19°33	12°18	4°10	17°57	19° 2	17° 4	7°59	M 18
T 19	21 50 48	26°24'25	23°26	28°49	12°52	23° 5	29°R37	16° 0	19°32	12°20	4° 9	17°48	18°58	17°11	7°57	T 19
W 20	21 54 45	27°22'07	5♌50	27°58	14° 6	23°44	29°37	16° 5	19°32	12°21	4° 8	17°39	18°55	17°17	7°55	W 20
T 21	21 58 41	28°19'50	18°28	27° 6	15°20	24°22	29°37	16°11	19°32	12°23	4° 7	17°30	18°52	17°24	7°53	T 21
F 22	22 2 38	29°17'34	1♎20	26°17	16°34	25° 0	29°36	16°17	19°31	12°25	4° 6	17°23	18°49	17°31	7°51	F 22
S 23	22 6 34	0♎15'20	14°26	25°30	17°48	25°38	29°35	16°22	19°31	12°26	4° 6	17°17	18°46	17°38	7°49	S 23
S 24	22 10 31	1°13'08	27°43	24°47	19° 2	26°16	29°35	16°28	19°31	12°28	4° 5	17°13	18°42	17°44	7°47	S 24
M 25	22 14 27	2°10'56	11♏12	24° 8	20°16	26°54	29°33	16°34	19°30	12°29	4° 4	17°D11	18°39	17°51	7°45	M 25
T 26	22 18 24	3° 8'47	24°52	23°34	21°30	27°33	29°32	16°40	19°30	12°31	4° 3	17°11	18°36	17°58	7°43	T 26
W 27	22 22 20	4° 6'39	8♋41	23° 7	22°44	28°11	29°31	16°46	19°30	12°33	4° 2	17°12	18°33	18° 4	7°41	W 27
T 28	22 26 17	5° 4'33	22°39	22°47	23°58	28°49	29°29	16°52	19°D30	12°34	4° 1	17°14	18°30	18°11	7°39	T 28
F 29	22 30 13	6° 2'30	6♏45	22°34	25°12	29°28	29°27	16°58	19°30	12°36	4° 0	17°R14	18°27	18°18	7°37	F 29
S 30	22 34 10	7° 0'27	20°58	22°D29	26°26	0♌ 6	29°25	17° 4	19°30	12°37	3°59	17°13	18°23	18°24	7°35	S 30
S 31	22 38 7	7♎58'27	5♊16	22♏32	27♏40	0♌45	29♏22	17♌10	19♌30	12♋38	3♏58	17♌11	18♌20	18♌31	7♏32	S 31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	17n58	16n17	3s 2	7n30	2s43	22n 0	0n11	8n 2	0n57	9n52	1s22	3s31	2n23	23s 9	0s 6	22n 1	0s54	13s26	16s33	7s31	7s47	18s24	6n 3	2n58	
S 2	17 42	18 5	3 57	7 10	2 56	21 51	0 14	7 47	0 57	9 53	1 22	3 33	2 23	23 9	0 7	22 0	0 54	13 27	16 34	7 30	7 46	18 24	6 3	2 58	
S 3	17 27	18 43	4 37	6 51	3 8	21 42	0 16	7 32	0 56	9 54	1 23	3 35	2 23	23 8	0 7	22 0	0 54	13 27	16 34	7 28	7 45	18 24	6 3	2 58	
M 4	17 11	18 7	4 59	6 35	3 21	21 31	0 19	7 17	0 56	9 55	1 23	3 37	2 23	23 8	0 7	22 0	0 54	13 28	16 34	7 25	7 44	18 24	6 2	2 58	
T 5	16 55	16 17	5 2	6 20	3 32	21 21	0 21	7 2	0 55	9 55	1 23	3 39	2 22	23 8	0 7	22 0	0 54	13 28	16 34	7 21	7 42	18 25	6 2	2 58	
W 6	16 38	13 26	4 44	6 8	3 44	21 9	0 24	6 47	0 55	9 56	1 23	3 40	2 22	23 8	0 7	22 0	0 54	13 29	16 35	7 18	7 41	18 25	6 1	2 59	
T 7	16 22	9 49	4 9	5 58	3 55	20 57	0 26	6 32	0 54	9 57	1 24	3 42	2 22	23 8	0 7	22 0	0 54	13 29	16 35	7 14	7 40	18 25	6 1	2 59	
F 8	16 5	5 43	3 20	5 50	4 5	20 44	0 29	6 17	0 54	9 57	1 24	3 45	2 22	23 8	0 7	21 59	0 54	13 30	16 35	7 11	7 39	18 25	6 0	2 59	
S 9	15 47	1 26	2 20	5 45	4 14	20 31	0 31	6 2	0 53	9 58	1 24	3 47	2 22	23 8	0 7	21 59	0 54	13 30	16 36	7 9	7 38	18 25	6 0	2 59	
S 10	15 30	2s47	1 14	5 43	4 23	20 17	0 33	5 47	0 53	9 58	1 24	3 49	2 21	23 8	0 7	21 59	0 54	13 31	16 36	7 8	7 36	18 26	5 59	2 59	
M11	15 12	6 46	0 7	5 44	4 31	20 2	0 35	5 32	0 52	9 59	1 25	3 51	2 21	23 8	0 7	21 59	0 54	13 31	16 36	7 8	7 35	18 26	5 59	2 59	
T 12	14 54	10 20	1n 0	5 47	4 37	19 47	0 38	5 16	0 52	9 59	1 25	3 53	2 21	23 8	0 7	21 59	0 54	13 32	16 36	7 8	7 34	18 26	5 58	2 59	
W13	14 36	13 22	2 2	5 54	4 42	19 32	0 40	5 1	0 51	9 59	1 25	3 55	2 21	23 8	0 7	21 59	0 54	13 33	16 37	7 8	7 33	18 26	5 58	2 59	
T 14	14 18	15 47	2 58	6 3	4 46	19 16	0 42	4 46	0 51	9 59	1 25	3 57	2 21	23 8	0 7	21 58	0 54	13 33	16 37	7 8	7 32	18 26	5 57	2 59	
F 15	13 59	17 30	3 46	6 15	4 48	18 59	0 44	4 30	0 50	9 59	1 26	3 59	2 20	23 8	0 7	21 58	0 54	13 34	16 37	7 8	7 30	18 27	5 57	2 59	
S 16	13 40	18 27	4 23	6 31	4 49	18 42	0 46	4 15	0 50	9 59	1 26	4 2	2 20	23 8	0 7	21 58	0 54	13 34	16 38	7 7	7 29	18 27	5 56	2 59	
S 17	13 21	18 35	4 50	6 48	4 47	18 24	0 48	4 0	0 49	9 59	1 26	4 4	2 20	23 8	0 7	21 58	0 54	13 35	16 38	7 5	7 28	18 27	5 55	2 59	
M18	13 2	17 54	5 4	7 9	4 44	18 5	0 50	3 44	0 49	9 59	1 26	4 6	2 20	23 8	0 7	21 58	0 54	13 35	16 38	7 2	7 27	18 27	5 55	2 59	
T 19	12 42	16 23	5 5	7 31	4 39	17 46	0 52	3 29	0 48	9 59	1 27	4 8	2 20	23 8	0 7	21 58	0 54	13 36	16 38	6 59	7 26	18 27	5 54	2 59	
W20	12 23	14 6	4 51	7 55	4 32	17 27	0 54	3 13	0 48	9 59	1 27	4 11	2 20	23 7	0 7	21 57	0 54	13 37	16 39	6 55	7 24	18 27	5 53	2 59	
T 21	12 3	11 6	4 23	8 21	4 23	17 7	0 56	2 58	0 47	9 58	1 27	4 13	2 19	23 7	0 7	21 57	0 54	13 37	16 39	6 52	7 23	18 27	5 52	2 59	
F 22	11 43	7 32	3 42	8 47	4 13	16 47	0 58	2 42	0 47	9 58	1 27	4 15	2 19	23 7	0 7	21 57	0 54	13 38	16 39	6 49	7 22	18 28	5 52	2 59	
S 23	11 23	3 33	2 47	9 14	4 0	16 26	1 0	2 26	0 46	9 57	1 28	4 18	2 19	23 7	0 7	21 57	0 54	13 38	16 39	6 47	7 21	18 28	5 51	2 59	
S 24	11 2	0n40	1 43	9 42	3 47	16 5	1 1	2 11	0 45	9 57	1 28	4 20	2 19	23 7	0 7	21 57	0 54	13 39	16 39	6 45	7 20	18 28	5 50	2 59	
M25	10 42	4 56	0 32	10 9	3 32	15 43	1 3	1 55	0 45	9 56	1 28	4 22	2 19	23 7	0 7	21 57	0 54	13 39	16 40	6 45	7 18	18 28	5 49	3 0	
T 26	10 21	8 59	0s42	10 35	3 15	15 21	1 4	1 39	0 44	9 55	1 28	4 25	2 19	23 7	0 7	21 56	0 54	13 40	16 40	6 45	7 17	18 28	5 49	3 0	
W27	10 0	12 35	1 54	11 0	2 58	14 58	1 6	1 24	0 44	9 55	1 29	4 27	2 19	23 7	0 7	21 56	0 54	13 41	16 40	6 45	7 16	18 28	5 48	3 0	
T 28	9 39	15 31	3 0	11 23	2 40	14 35	1 8	1 8	0 43	9 54	1 29	4 30	2 18	23 7	0 7	21 56	0 54	13 41	16 40	6 46	7 15	18 28	5 47	3 0	
F 29	9 17	17 32	3 56	11 45	2 22	14 12	1 9	0 52	0 43	9 53	1 29	4 32	2 18	23 7	0 7	21 56	0 54	13 42	16 40	6 46	7 14	18 29	5 46	3 0	
S 30	8 56	18 29	4 39	12 4	2 4	13 48	1 10	0 36	0 42	9 52	1 29	4 34	2 18	23 7	0 7	21 56	0 54	13 42	16 41	6 46	7 12	18 29	5 45	3 0	
S 31	8n35	18n16	5s 4	12n20	1s45	13n24	1n12	0n21	0n42	9n51	1s30	4s37	2n18	23s 7	0s 7	21n56	0s54	13s43	16s41	6s45	7s11	18s29	5n44	3n 0	

ASTRODIENST EPHEMERIS for the year 2070

geocentric

OCTOBER 2070

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	0 40 20	8♂10'43	27♂49	7♂17	6♂12	20♂59	26°R44	20♂41	19♂59	13♂9	3°R22	16°R30	16♂42	21♂59	6°R13	W 1
T 2	0 44 16	9° 9'42	11♂20	9° 4	7°26	21°39	26°Y37	20°48	20° 1	13°10	3°Y21	16♂29	16°39	22° 6	6°Y10	T 2
F 3	0 48 13	10° 8'44	24°36	10°50	8°41	22°19	26°29	20°55	20° 2	13°10	3°19	16°28	16°35	22°12	6° 7	F 3
S 4	0 52 9	11° 7'47	7♂39	12°35	9°56	22°59	26°22	21° 3	20° 4	13°10	3°18	16°28	16°32	22°19	6° 5	S 4
S 5	0 56 6	12° 6'53	20°26	14°19	11°11	23°39	26°14	21°10	20° 6	13°11	3°17	16°D28	16°29	22°26	6° 2	S 5
M 6	1 0 2	13° 6'00	2♂59	16° 3	12°26	24°19	26° 7	21°17	20° 8	13°11	3°16	16°28	16°26	22°33	5°59	M 6
T 7	1 3 59	14° 5'10	15°18	17°46	13°41	24°59	25°59	21°24	20°10	13°12	3°15	16°28	16°23	22°39	5°56	T 7
W 8	1 7 56	15° 4'22	27°26	19°27	14°56	25°39	25°51	21°32	20°12	13°12	3°14	16°28	16°19	22°46	5°54	W 8
T 9	1 11 52	16° 3'35	9♂24	21° 9	16°11	26°19	25°43	21°39	20°14	13°12	3°12	16°R28	16°16	22°53	5°51	T 9
F 10	1 15 49	17° 2'50	21°17	22°49	17°26	27° 0	25°35	21°46	20°16	13°12	3°11	16°28	16°13	22°59	5°48	F 10
S 11	1 19 45	18° 2'07	3♂9	24°28	18°41	27°40	25°27	21°54	20°18	13°13	3°10	16°28	16°10	23° 6	5°46	S 11
S 12	1 23 42	19° 1'26	15° 3	26° 7	19°56	28°20	25°19	22° 1	20°20	13°13	3° 9	16°D28	16° 7	23°13	5°43	S 12
M13	1 27 38	20° 0'47	27° 5	27°45	21°11	29° 1	25°11	22° 8	20°22	13°13	3° 8	16°28	16° 4	23°20	5°41	M13
T14	1 31 35	21° 0'09	9♂19	29°23	22°26	29°41	25° 3	22°16	20°25	13°13	3° 7	16°28	16° 0	23°26	5°38	T14
W15	1 35 31	21°59'33	21°49	0♂59	23°41	0♂22	24°55	22°23	20°27	13°13	3° 6	16°29	15°57	23°33	5°35	W15
T16	1 39 28	22°58'59	4♂39	2°35	24°56	1° 2	24°47	22°30	20°29	13°R13	3° 4	16°29	15°54	23°40	5°33	T16
F17	1 43 25	23°58'27	17°51	4°10	26°11	1°43	24°39	22°38	20°32	13°13	3° 3	16°30	15°51	23°46	5°30	F17
S18	1 47 21	24°57'56	1°Y28	5°45	27°26	2°23	24°31	22°45	20°34	13°13	3° 2	16°31	15°48	23°53	5°28	S18
S19	1 51 18	25°57'28	15°26	7°19	28°41	3° 4	24°23	22°52	20°36	13°13	3° 1	16°R31	15°44	24° 0	5°25	S19
M20	1 55 14	26°57'01	29°45	8°52	29°56	3°45	24°14	22°59	20°39	13°13	3° 0	16°31	15°41	24° 7	5°23	M20
T21	1 59 11	27°56'37	14♂19	10°25	1♂11	4°25	24° 6	23° 7	20°41	13°13	2°59	16°30	15°38	24°13	5°20	T21
W22	2 3 7	28°56'14	29° 1	11°57	2°26	5° 6	23°58	23°14	20°44	13°12	2°58	16°29	15°35	24°20	5°18	W22
T23	2 7 4	29°55'54	13♂44	13°29	3°41	5°47	23°50	23°21	20°47	13°12	2°57	16°27	15°32	24°27	5°16	T23
F24	2 11 0	0♂55'36	28°22	15° 0	4°56	6°28	23°42	23°29	20°49	13°12	2°56	16°25	15°29	24°33	5°13	F24
S25	2 14 57	1°55'20	12♂50	16°30	6°12	7° 9	23°34	23°36	20°52	13°12	2°55	16°24	15°25	24°40	5°11	S25
S26	2 18 54	2°55'07	27° 3	18° 0	7°27	7°50	23°26	23°43	20°55	13°11	2°54	16°D23	15°22	24°47	5° 8	S26
M27	2 22 50	3°54'55	11♂0	19°29	8°42	8°31	23°19	23°50	20°57	13°11	2°53	16°23	15°19	24°54	5° 6	M27
T28	2 26 47	4°54'46	24°39	20°58	9°57	9°12	23°11	23°58	21° 0	13°11	2°52	16°24	15°16	25° 0	5° 4	T28
W29	2 30 43	5°54'40	8♂2	22°26	11°12	9°53	23° 3	24° 5	21° 3	13°10	2°51	16°25	15°13	25° 7	5° 2	W29
T30	2 34 40	6°54'35	21° 9	23°53	12°27	10°34	22°55	24°12	21° 6	13°10	2°50	16°27	15°10	25°14	4°59	T30
F31	2 38 36	7♂54'32	4♂2	25♂20	13♂42	11♂15	22°Y48	24♂19	21♂9	13♂9	2°Y49	16♂28	15♂6	25♂20	4°Y57	F31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	3s15	8n30	3s58	1s37	1n23	1s12	1n22	7s48	0n25	8n50	1s35	5s59	2n15	23s10	0s 7	21n52
T 2	3 38	4 30	3 3	2 24	1 18	1 42	1 21	8 3	0 24	8 47	1 35	6 2	2 15	23 10	0 7	21 52
F 3	4 1	0 20	1 58	3 10	1 12	2 13	1 20	8 19	0 24	8 44	1 35	6 4	2 15	23 10	0 7	21 52
S 4	4 24	3s47	0 49	3 57	1 7	2 43	1 20	8 34	0 23	8 42	1 35	6 7	2 15	23 10	0 7	21 52
S 5	4 47	7 38	0n22	4 42	1 1	3 13	1 19	8 49	0 23	8 39	1 35	6 10	2 15	23 10	0 7	21 52
M 6	5 10	11 5	1 30	5 28	0 55	3 43	1 18	9 5	0 22	8 36	1 35	6 12	2 15	23 10	0 7	21 52
T 7	5 33	13 58	2 33	6 13	0 49	4 13	1 17	9 20	0 22	8 33	1 35	6 15	2 15	23 11	0 7	21 52
W 8	5 56	16 12	3 28	6 57	0 42	4 43	1 16	9 35	0 21	8 30	1 35	6 18	2 15	23 11	0 7	21 52
T 9	6 19	17 40	4 13	7 41	0 36	5 13	1 15	9 50	0 21	8 27	1 35	6 21	2 15	23 11	0 7	21 52
F 10	6 42	18 22	4 47	8 25	0 29	5 42	1 14	10 5	0 20	8 25	1 35	6 23	2 15	23 11	0 7	21 52
S 11	7 4	18 15	5 9	9 8	0 23	6 12	1 12	10 20	0 19	8 22	1 35	6 26	2 15	23 11	0 7	21 52
S 12	7 27	17 19	5 17	9 50	0 16	6 42	1 11	10 35	0 19	8 19	1 35	6 29	2 15	23 11	0 7	21 51
M13	7 49	15 38	5 12	10 32	0 9	7 11	1 10	10 50	0 18	8 16	1 35	6 32	2 15	23 11	0 7	21 51
T14	8 12	13 13	4 53	11 13	0 2	7 40	1 8	11 5	0 18	8 13	1 35	6 34	2 15	23 12	0 7	21 51
W15	8 34	10 8	4 19	11 53	0s 5	8 9	1 7	11 19	0 17	8 10	1 35	6 37	2 15	23 12	0 7	21 51
T16	8 56	6 31	3 32	12 33	0 11	8 38	1 5	11 34	0 17	8 7	1 35	6 40	2 15	23 12	0 7	21 51
F17	9 18	2 28	2 32	13 12	0 18	9 7	1 4	11 49	0 16	8 4	1 35	6 42	2 15	23 12	0 7	21 51
S18	9 40	1n51	1 23	13 50	0 25	9 35	1 2	12 3	0 15	8 1	1 35	6 45	2 15	23 12	0 7	21 51
S19	10 1	6 10	0 6	14 27	0 32	10 4	1 1	12 18	0 15	7 58	1 35	6 48	2 15	23 13	0 7	21 51
M20	10 23	10 15	1s13	15 4	0 39	10 32	0 59	12 32	0 14	7 55	1 35	6 50	2 15	23 13	0 7	21 51
T21	10 44	13 46	2 28	15 40	0 46	10 59	0 57	12 46	0 14	7 53	1 35	6 53	2 15	23 13	0 7	21 51
W22	11 5	16 27	3 34	16 15	0 53	11 27	0 55	13 1	0 13	7 50	1 35	6 56	2 15	23 13	0 7	21 51
T23	11 27	18 2	4 26	16 49	0 59	11 54	0 53	13 15	0 13	7 47	1 35	6 58	2 15	23 13	0 7	21 51
F24	11 47	18 24	5 1	17 22	1 6	12 21	0 52	13 29	0 12	7 44	1 35	7 1	2 15	23 13	0 7	21 51
S25	12 8	17 34	5 15	17 55	1 12	12 48	0 50	13 43	0 11	7 41	1 34	7 4	2 15	23 14	0 7	21 51
S26	12 29	15 39	5 11	18 27	1 19	13 14	0 48	13 56	0 11	7 38	1 34	7 6	2 15	23 14	0 7	21 51
M27	12 49	12 51	4 47	18 57	1 25	13 40	0 46	14 10	0 10	7 35	1 34	7 9	2 15	23 14	0 7	21 51
T28	13 9	9 23	4 8	19 27	1 31	14 6	0 44	14 24	0 10	7 33	1 34	7 12	2 15	23 14	0 7	21 51
W29	13 29	5 31	3 17	19 56	1 37	14 31	0 42	14 37	0 9	7 30	1 34	7 14	2 16	23 14	0 7	21 51
T30	13 49	1 26	2 15	20 24	1 43	14 56	0 40	14 51	0 9	7 27	1 34	7 17	2 16	23 15	0 7	21 51
F31	14s 8	2s39	1s 8	20s50	1s48	15s21	0n37	15s 4	0n 8	7n25	1s34	7s19	2n16	23s15	0s 7	21n51

Julian Day Number = 2477385.5, Delta T = 81.27 sec

Ecliptic obliquity = 23°25'40, Nutation = 0°00'05, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 25°43'43, Lahiri = 24°50'44

ASTRODIENST EPHEMERIS for the year 2070
geocentric

NOVEMBER 2070

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	2 42 33	8♌54°32	16♊43	26♌46	14♌57	11♌56	22°R40	24♊26	21♏12	13°R 9	2°R48	16°R29	15♊ 3	25♏27	4°R55	S 1
S 2	2 46 29	9°54'33	29°12	28°11	16°13	12°38	22°Y33	24°34	21°15	13♏ 8	2°Y47	16♊28	15° 0	25°34	4°Y53	S 2
M 3	2 50 26	10°54'37	11♌30	29°36	17°28	13°19	22°26	24°41	21°17	13° 8	2°46	16°26	14°57	25°41	4°51	M 3
T 4	2 54 23	11°54'42	23°40	1♏ 0	18°43	14° 1	22°18	24°48	21°20	13° 7	2°45	16°23	14°54	25°47	4°49	T 4
W 5	2 58 19	12°54'49	5♏42	2°23	19°58	14°42	22°11	24°55	21°24	13° 6	2°44	16°19	14°50	25°54	4°47	W 5
T 6	3 2 16	13°54'58	17°38	3°45	21°13	15°24	22° 4	25° 2	21°27	13° 6	2°44	16°14	14°47	26° 1	4°45	T 6
F 7	3 6 12	14°55'09	29°29	5° 7	22°28	16° 5	21°57	25° 9	21°30	13° 5	2°43	16° 9	14°44	26° 7	4°43	F 7
S 8	3 10 9	15°55'21	11♏20	6°27	23°44	16°47	21°51	25°16	21°33	13° 4	2°42	16° 4	14°41	26°14	4°41	S 8
S 9	3 14 5	16°55'35	23°13	7°46	24°59	17°28	21°44	25°23	21°36	13° 3	2°41	16° 0	14°38	26°21	4°39	S 9
M10	3 18 2	17°55'50	5♏12	9° 4	26°14	18°10	21°37	25°30	21°39	13° 3	2°40	15°58	14°35	26°28	4°37	M10
T 11	3 21 58	18°56'07	17°22	10°21	27°29	18°52	21°31	25°37	21°42	13° 2	2°40	15°D57	14°31	26°34	4°36	T 11
W12	3 25 55	19°56'25	29°46	11°36	28°44	19°34	21°25	25°44	21°46	13° 1	2°39	15°57	14°28	26°41	4°34	W12
T 13	3 29 52	20°56'44	12♏31	12°49	29°59	20°15	21°19	25°51	21°49	13° 0	2°38	15°59	14°25	26°48	4°32	T 13
F 14	3 33 48	21°57'05	25°40	14° 0	1♏15	20°57	21°13	25°58	21°52	12°59	2°37	16° 0	14°22	26°54	4°31	F 14
S 15	3 37 45	22°57'27	9°Y15	15° 9	2°30	21°39	21° 7	26° 4	21°55	12°58	2°37	16°R 1	14°19	27° 1	4°29	S 15
S 16	3 41 41	23°57'51	23°19	16°16	3°45	22°21	21° 1	26°11	21°59	12°57	2°36	16° 1	14°16	27° 8	4°28	S 16
M17	3 45 38	24°58'16	7♏48	17°20	5° 0	23° 3	20°56	26°18	22° 2	12°56	2°35	16° 0	14°12	27°15	4°26	M17
T 18	3 49 34	25°58'43	22°40	18°21	6°15	23°45	20°51	26°25	22° 5	12°55	2°35	15°56	14° 9	27°21	4°25	T 18
W19	3 53 31	26°59'12	7♏15	19°18	7°30	24°27	20°46	26°31	22° 9	12°54	2°34	15°51	14° 6	27°28	4°23	W19
T 20	3 57 27	27°59'42	22°54	20°12	8°46	25°10	20°41	26°38	22°12	12°53	2°34	15°44	14° 3	27°35	4°22	T 20
F 21	4 1 24	29° 0'13	7♏58	21° 1	10° 1	25°52	20°36	26°45	22°16	12°52	2°33	15°38	14° 0	27°41	4°21	F 21
S 22	4 5 21	0♏ 0'47	22°47	21°44	11°16	26°34	20°31	26°51	22°19	12°51	2°32	15°32	13°56	27°48	4°19	S 22
S 23	4 9 17	1° 1'22	7♏15	22°22	12°31	27°16	20°27	26°58	22°22	12°50	2°32	15°27	13°53	27°55	4°18	S 23
M24	4 13 14	2° 1'58	21°18	22°54	13°46	27°59	20°23	27° 4	22°26	12°49	2°31	15°25	13°50	28° 2	4°17	M24
T 25	4 17 10	3° 2'37	4♏17	23°18	15° 2	28°41	20°19	27°10	22°29	12°47	2°31	15°D24	13°47	28° 8	4°16	T 25
W26	4 21 7	4° 3'17	18°11	23°35	16°17	29°24	20°15	27°17	22°33	12°46	2°30	15°25	13°44	28°15	4°15	W26
T 27	4 25 3	5° 3'59	1♏ 6	23°R43	17°32	0♏ 6	20°11	27°23	22°36	12°45	2°30	15°26	13°41	28°22	4°14	T 27
F 28	4 29 0	6° 4'42	13°43	23°41	18°47	0°49	20° 8	27°29	22°40	12°44	2°29	15°R27	13°37	28°28	4°13	F 28
S 29	4 32 56	7° 5'27	26° 7	23°29	20° 2	1°31	20° 4	27°36	22°43	12°42	2°29	15°27	13°34	28°35	4°12	S 29
S 30	4 36 53	8♏ 6'13	8♌21	23♏ 6	21♏17	2♏14	20°Y 1	27♏42	22♏47	12♏41	2°Y29	15♏24	13♏31	28♏42	4°Y11	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	14s28	6s33	0n 1	21s16	1s54	15s45	0n35	15s18	0n 7	7n22	1s34	7s22	2n16	23s15	0s 7	21n51	0s56	14s 9	16s40	6s29	5s56	18s30	4n38	2n55
S 2	14 47	10 6	1 9	21 41	1 59	16 9	0 33	15 31	0 7	7 19	1 33	7 24	2 16	23 15	0 7	21 51	0 56	14 9	16 39	6 28	5 54	18 30	4 37	2 55
M 3	15 6	13 10	2 13	22 5	2 4	16 32	0 31	15 44	0 6	7 17	1 33	7 27	2 16	23 15	0 7	21 52	0 56	14 9	16 39	6 28	5 53	18 30	4 36	2 55
T 4	15 24	15 37	3 10	22 27	2 9	16 55	0 29	15 57	0 6	7 14	1 33	7 29	2 16	23 16	0 7	21 52	0 56	14 9	16 39	6 26	5 52	18 30	4 35	2 55
W 5	15 42	17 20	3 58	22 48	2 13	17 18	0 26	16 10	0 5	7 12	1 33	7 32	2 16	23 16	0 7	21 52	0 56	14 10	16 39	6 25	5 51	18 30	4 34	2 54
T 6	16 0	18 18	4 35	23 9	2 18	17 40	0 24	16 22	0 4	7 9	1 33	7 34	2 16	23 16	0 7	21 52	0 56	14 10	16 38	6 23	5 49	18 30	4 33	2 54
F 7	16 18	18 26	4 59	23 28	2 22	18 2	0 22	16 35	0 4	7 7	1 33	7 37	2 16	23 16	0 7	21 52	0 56	14 10	16 38	6 21	5 48	18 30	4 32	2 54
S 8	16 36	17 46	5 11	23 46	2 25	18 23	0 19	16 47	0 3	7 5	1 32	7 39	2 16	23 16	0 7	21 52	0 56	14 10	16 38	6 19	5 47	18 30	4 31	2 54
S 9	16 53	16 20	5 10	24 2	2 29	18 44	0 17	17 0	0 3	7 2	1 32	7 42	2 16	23 17	0 7	21 52	0 56	14 10	16 38	6 18	5 46	18 30	4 30	2 54
M10	17 10	14 11	4 55	24 18	2 32	19 4	0 15	17 12	0 2	7 0	1 32	7 44	2 16	23 17	0 7	21 52	0 56	14 10	16 37	6 17	5 45	18 29	4 30	2 54
T 11	17 27	11 23	4 27	24 32	2 34	19 23	0 12	17 24	0 2	6 58	1 32	7 47	2 16	23 17	0 7	21 52	0 56	14 10	16 37	6 16	5 43	18 29	4 29	2 53
W12	17 43	8 1	3 46	24 44	2 36	19 42	0 10	17 36	0 1	6 56	1 32	7 49	2 16	23 17	0 7	21 52	0 56	14 10	16 37	6 16	5 42	18 29	4 28	2 53
T 13	17 59	4 12	2 53	24 56	2 38	20 1	0 8	17 48	0 0	6 54	1 31	7 52	2 17	23 17	0 7	21 52	0 56	14 10	16 37	6 17	5 41	18 29	4 27	2 53
F 14	18 15	0 4	1 49	25 6	2 39	20 19	0 5	17 59	0s 0	6 52	1 31	7 54	2 17	23 18	0 7	21 52	0 56	14 10	16 36	6 18	5 40	18 29	4 26	2 53
S 15	18 30	4n14	0 37	25 14	2 39	20 36	0 3	18 11	0 1	6 50	1 31	7 56	2 17	23 18	0 7	21 52	0 56	14 10	16 36	6 18	5 38	18 29	4 25	2 53
S 16	18 45	8 26	0s40	25 21	2 39	20 53	0 0	18 22	0 1	6 48	1 31	7 59	2 17	23 18	0 7	21 52	0 56	14 10	16 36	6 18	5 37	18 29	4 25	2 52
M17	19 0	12 17	1 56	25 27	2 38	21 9	0s 2	18 34	0 2	6 46	1 30	8 1	2 17	23 18	0 7	21 52	0 56	14 10	16 36	6 17	5 36	18 29	4 24	2 52
T 18	19 14	15 26	3 6	25 31	2 37	21 25	0 5	18 45	0 3	6 44	1 30	8 3	2 17	23 18	0 7	21 52	0 56	14 10	16 35	6 16	5 35	18 29	4 23	2 52
W19	19 29	17 35	4 4	25 34	2 35	21 40	0 7	18 56	0 3	6 43	1 30	8 6	2 17	23 19	0 7	21 53	0 56	14 10	16 35	6 14	5 33	18 28	4 22	2 52
T 20	19 42	18 30	4 45	25 35	2 31	21 54	0 10	19 6	0 4	6 41	1 30	8 8	2 17	23 19	0 7	21 53	0 56	14 10	16 35	6 11	5 32	18 28	4 22	2 52
F 21	19 56	18 6	5 6	25 34	2 27	22 8	0 12	19 17	0 4	6 39	1 29	8 10	2 17	23 19	0 7	21 53	0 56	14 10	16 34	6 9	5 31	18 28	4 21	2 51
S 22	20 9	16 28	5 6	25 32	2 22	22 21	0 14	19 28	0 5	6 38	1 29	8 12	2 18	23 19	0 7	21 53	0 56	14 10	16 34	6 7	5 30	18 28	4 20	2 51
S 23	20 21	13 49	4 47	25 28	2 16	22 34	0 17	19 38	0 6	6 37	1 29	8 15	2 18	23 19	0 7	21 53	0 56	14 10	16 34	6 5	5 29	18 28	4 20	2 51
M24	20 33	10 26	4 11	25 23	2 9	22 46	0 19	19 48	0 6	6 35	1 29	8 17	2 18	23 20	0 7	21 53	0 56	14 10	16 33	6 4	5 27	18 28	4 19	2 51
T 25	20 45	6 35	3 21	25 15	2 0	22 57	0 22	19 58	0 7	6 34	1 28	8 19	2 18	23 20	0 7	21 53	0 56	14 10	16 33	6 4	5 26	18 28	4 18	2 51
W26	20 57	2 30	2 22	25 6	1 50	23 7	0 24	20 8	0 7	6 33	1 28	8 21	2 18	23 20	0 7	21 53	0 56	14 10	16 33	6 4	5 25	18 27	4 18	2 50
T 27	21 8	1s36	1 17	24 55	1 39	23 17	0 27	20 18	0 8	6 32	1 28	8 23	2 18	23 20	0 7	21 53	0 56	14 10	16 33	6 5	5 24	18 27	4 17	2 50
F 28	21 19	5 33	0 9	24 42	1 26	23 26	0 29	20 27	0 9	6 31	1 28	8 25	2 18	23 21	0 7	21 53	0 56	14 10	16 32	6 5	5 22	18 27	4 16	2 50
S 29	21 29	9 12	0n57	24 28	1 12	23 34	0 31	20 36	0 9	6 30	1 27	8 27	2 19	23 21	0 7	21 54	0 56	14 9	16 32	6 5	5 21	18 27	4 16	2 50
S 30	21s39	12s23	2n 0	24s11	0s56	23s42	0s34	20s46	0s10	6n29	1s27	8s29	2n19	23s21	0s 7	21n54	0s56	14s 9	16s32	6s 4	5s20	18s27	4n15	2n50

ASTRODIENST EPHEMERIS for the year 2070
geocentric

DECEMBER 2070

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	4 40 50	9♂ 7'01	20♂26	22°R32	22♂33	2♂57	19°R58	27♂48	22♂51	12°R40	2°R28	15°R18	13♂28	28♂49	4°R10	M 1
T 2	4 44 46	10° 7'50	2♂26	21♂48	23°48	3°40	19°Y56	27°54	22°54	12♂38	2°Y28	15♂10	13°25	28°55	4°Y 9	T 2
W 3	4 48 43	11° 8'40	14°22	20°53	25° 3	4°22	19°53	28° 0	22°58	12°37	2°28	15° 0	13°22	29° 2	4° 9	W 3
T 4	4 52 39	12° 9'32	26°15	19°48	26°18	5° 5	19°51	28° 6	23° 1	12°35	2°27	14°49	13°18	29° 9	4° 8	T 4
F 5	4 56 36	13°10'25	8♂ 6	18°35	27°33	5°48	19°49	28°12	23° 5	12°34	2°27	14°37	13°15	29°16	4° 8	F 5
S 6	5 0 32	14°11'18	19°58	17°17	28°49	6°31	19°47	28°18	23° 9	12°33	2°27	14°25	13°12	29°22	4° 7	S 6
S 7	5 4 29	15°12'13	1♂52	15°55	0♂ 4	7°14	19°45	28°24	23°12	12°31	2°27	14°15	13° 9	29°29	4° 7	S 7
M 8	5 8 25	16°13'08	13°51	14°32	1°19	7°57	19°44	28°29	23°16	12°30	2°26	14° 8	13° 6	29°36	4° 6	M 8
T 9	5 12 22	17°14'04	25°59	13°11	2°34	8°40	19°42	28°35	23°19	12°28	2°26	14° 3	13° 2	29°42	4° 6	T 9
W10	5 16 19	18°15'01	8♂19	11°55	3°49	9°23	19°41	28°40	23°23	12°27	2°26	14° 1	12°59	29°49	4° 5	W10
T11	5 20 15	19°15'58	20°57	10°46	5° 4	10° 7	19°41	28°46	23°27	12°25	2°26	14°D 0	12°56	29°56	4° 5	T11
F12	5 24 12	20°16'56	3°Y57	9°46	6°20	10°50	19°40	28°51	23°30	12°24	2°26	14° 1	12°53	0♂ 3	4° 5	F12
S13	5 28 8	21°17'54	17°23	8°56	7°35	11°33	19°40	28°57	23°34	12°22	2°26	14°R 1	12°50	0° 9	4° 5	S13
S14	5 32 5	22°18'53	1♂18	8°17	8°50	12°16	19°D39	29° 2	23°38	12°20	2°26	14° 0	12°47	0°16	4° 5	S14
M15	5 36 1	23°19'53	15°42	7°49	10° 5	13° 0	19°39	29° 7	23°41	12°19	2°26	13°56	12°43	0°23	4°D 5	M15
T16	5 39 58	24°20'53	0♂33	7°32	11°20	13°43	19°40	29°13	23°45	12°17	2°D26	13°50	12°40	0°29	4° 5	T16
W17	5 43 54	25°21'54	15°45	7°D26	12°35	14°27	19°40	29°18	23°49	12°16	2°26	13°41	12°37	0°36	4° 5	W17
T18	5 47 51	26°22'56	1♂ 7	7°30	13°50	15°10	19°41	29°23	23°52	12°14	2°26	13°30	12°34	0°43	4° 5	T18
F19	5 51 48	27°23'58	16°27	7°44	15° 5	15°54	19°42	29°28	23°56	12°13	2°26	13°19	12°31	0°50	4° 5	F19
S20	5 55 44	28°25'01	1♂35	8° 6	16°21	16°37	19°43	29°33	24° 0	12°11	2°26	13° 9	12°28	0°56	4° 5	S20
S21	5 59 41	29°26'04	16°20	8°35	17°36	17°21	19°44	29°38	24° 3	12° 9	2°26	13° 1	12°24	1° 3	4° 6	S21
M22	6 3 37	0♂27'09	0♂37	9°12	18°51	18° 5	19°45	29°42	24° 7	12° 8	2°26	12°55	12°21	1°10	4° 6	M22
T23	6 7 34	1°28'14	14°25	9°55	20° 6	18°48	19°47	29°47	24°10	12° 6	2°26	12°52	12°18	1°17	4° 6	T23
W24	6 11 30	2°29'20	27°44	10°43	21°21	19°32	19°49	29°52	24°14	12° 4	2°26	12°51	12°15	1°23	4° 7	W24
T25	6 15 27	3°30'26	10♂37	11°36	22°36	20°16	19°51	29°56	24°18	12° 3	2°26	12°51	12°12	1°30	4° 7	T25
F26	6 19 23	4°31'34	23°10	12°33	23°51	21° 0	19°53	0♂ 1	24°21	12° 1	2°27	12°51	12° 8	1°37	4° 8	F26
S27	6 23 20	5°32'42	5♂26	13°34	25° 6	21°44	19°56	0° 5	24°25	11°59	2°27	12°49	12° 5	1°43	4° 9	S27
S28	6 27 17	6°33'50	17°31	14°38	26°21	22°28	19°58	0° 9	24°29	11°58	2°27	12°45	12° 2	1°50	4° 9	S28
M29	6 31 13	7°34'59	29°29	15°45	27°36	23°12	20° 1	0°13	24°32	11°56	2°27	12°38	11°59	1°57	4°10	M29
T30	6 35 10	8°36'09	11♂22	16°55	28°51	23°56	20° 4	0°18	24°36	11°54	2°28	12°27	11°56	2° 4	4°11	T30
W31	6 39 6	9♂37'18	23♂14	18♂ 7	0♂ 6	24♂40	20°Y 8	0♂22	24♂39	11♂52	2°Y28	12♂14	11♂53	2♂10	4°Y12	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	21s48	15s 1	2n56	23s52	0s39	23s49	0s36	20s54	0s10	6n28	1s27	8s31	2n19	23s21	0s 7	21n54
T 2	21 57	16 58	3 44	23 31	0 20	23 55	0 38	21 3	0 11	6 27	1 26	8 33	2 19	23 21	0 7	21 54
W 3	22 6	18 10	4 22	23 8	0 1	24 1	0 41	21 12	0 12	6 27	1 26	8 35	2 19	23 22	0 7	21 54
T 4	22 14	18 34	4 48	22 43	0n19	24 5	0 43	21 20	0 12	6 26	1 26	8 37	2 19	23 22	0 7	21 54
F 5	22 22	18 10	5 2	22 17	0 40	24 9	0 45	21 28	0 13	6 25	1 26	8 39	2 19	23 22	0 7	21 54
S 6	22 29	16 58	5 2	21 50	1 0	24 13	0 47	21 36	0 13	6 25	1 25	8 41	2 20	23 22	0 7	21 54
S 7	22 36	15 2	4 50	21 22	1 19	24 15	0 50	21 44	0 14	6 25	1 25	8 43	2 20	23 22	0 7	21 55
M 8	22 43	12 26	4 24	20 55	1 38	24 17	0 52	21 52	0 15	6 24	1 25	8 45	2 20	23 22	0 7	21 55
T 9	22 49	9 18	3 47	20 29	1 55	24 18	0 54	21 59	0 15	6 24	1 24	8 47	2 20	23 23	0 7	21 55
W10	22 54	5 41	2 58	20 4	2 9	24 18	0 56	22 7	0 16	6 24	1 24	8 49	2 20	23 23	0 7	21 55
T11	23 0	1 45	2 0	19 42	2 22	24 18	0 58	22 14	0 17	6 24	1 24	8 50	2 20	23 23	0 7	21 55
F12	23 4	2n23	0 53	19 23	2 33	24 17	1 0	22 20	0 17	6 24	1 23	8 52	2 21	23 23	0 7	21 55
S13	23 9	6 33	0s18	19 8	2 41	24 15	1 2	22 27	0 18	6 24	1 23	8 54	2 21	23 23	0 7	21 55
S14	23 12	10 30	1 31	18 56	2 46	24 12	1 4	22 33	0 18	6 24	1 23	8 56	2 21	23 24	0 7	21 55
M15	23 16	13 59	2 40	18 48	2 50	24 8	1 6	22 40	0 19	6 25	1 22	8 57	2 21	23 24	0 7	21 56
T16	23 18	16 40	3 40	18 44	2 52	24 4	1 8	22 46	0 20	6 25	1 22	8 59	2 21	23 24	0 7	21 56
W17	23 21	18 15	4 27	18 43	2 52	23 59	1 10	22 51	0 20	6 26	1 22	9 1	2 22	23 24	0 7	21 56
T18	23 23	18 31	4 54	18 45	2 51	23 53	1 11	22 57	0 21	6 26	1 22	9 2	2 22	23 24	0 7	21 56
F19	23 24	17 26	5 1	18 50	2 48	23 47	1 13	23 2	0 21	6 27	1 21	9 4	2 22	23 25	0 7	21 56
S20	23 25	15 9	4 46	18 57	2 44	23 40	1 15	23 7	0 22	6 27	1 21	9 5	2 22	23 25	0 7	21 56
S21	23 26	11 55	4 12	19 6	2 39	23 32	1 16	23 12	0 23	6 28	1 21	9 7	2 22	23 25	0 7	21 57
M22	23 26	8 4	3 24	19 17	2 34	23 23	1 18	23 17	0 23	6 29	1 20	9 8	2 23	23 25	0 7	21 57
T23	23 25	3 55	2 24	19 30	2 27	23 14	1 20	23 21	0 24	6 30	1 20	9 10	2 23	23 25	0 7	21 57
W24	23 24	0s19	1 19	19 43	2 20	23 4	1 21	23 25	0 24	6 31	1 20	9 11	2 23	23 25	0 7	21 57
T25	23 23	4 23	0 12	19 58	2 13	22 53	1 22	23 29	0 25	6 32	1 19	9 12	2 23	23 26	0 7	21 57
F26	23 21	8 9	0n54	20 13	2 6	22 42	1 24	23 33	0 26	6 33	1 19	9 14	2 23	23 26	0 7	21 57
S27	23 19	11 30	1 56	20 28	1 58	22 30	1 25	23 36	0 26	6 34	1 19	9 15	2 24	23 26	0 7	21 57
S28	23 16	14 18	2 52	20 44	1 50	22 17	1 26	23 40	0 27	6 36	1 18	9 16	2 24	23 26	0 7	21 58
M29	23 13	16 27	3 40	20 59	1 41	22 4	1 28	23 43	0 27	6 37	1 18	9 18	2 24	23 26	0 7	21 58
T30	23 9	17 53	4 17	21 14	1 33	21 50	1 29	23 45	0 28	6 38	1 18	9 19	2 24	23 26	0 7	21 58
W31	23s 5	18s32	4n43	21s29	1n25	21s35	1s30	23s48	0s29	6n40	1s18	9s20	2n25	23s26	0s 7	21n58

Julian Day Number = 2477446.5, Delta T = 81.33 sec
Ecliptic obliquity = 23°25'39, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°43'52, Lahiri = 24°50'52