



Astrodienst Ephemeris Tables for the year 1960

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 1960

geocentric

JANUARY 1960

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	6 38 38	9♂34'29	10♂16	24♂58	28♂22	20♂18	18♂44	9♂27	20°R32	8♂41	6°R 2	28°R 1	28♂44	15♂38	24♂25	F 1
S 2	6 42 35	10°35'40	24°35	26°27	29°34	21° 2	18°57	9°34	20♂31	8°43	6♂ 1	27♂55	28°40	15°45	24°28	S 2
S 3	6 46 31	11°36'51	8♂24	27°58	0♂46	21°46	19°10	9°42	20°29	8°44	6° 0	27°51	28°37	15°52	24°32	S 3
M 4	6 50 28	12°38'02	21°43	29°28	1°57	22°30	19°23	9°49	20°27	8°45	6° 0	27°50	28°34	15°59	24°35	M 4
T 5	6 54 25	13°39'12	4♂36	0♂59	3° 9	23°14	19°36	9°56	20°25	8°46	5°59	27°D50	28°31	16° 5	24°38	T 5
W 6	6 58 21	14°40'22	17° 6	2°31	4°21	23°58	19°49	10° 3	20°23	8°48	5°58	27°R50	28°28	16°12	24°42	W 6
T 7	7 2 18	15°41'31	29°18	4° 3	5°33	24°42	20° 2	10°10	20°21	8°49	5°57	27°49	28°24	16°19	24°45	T 7
F 8	7 6 14	16°42'40	11♂19	5°35	6°45	25°26	20°15	10°17	20°19	8°50	5°56	27°46	28°21	16°25	24°49	F 8
S 9	7 10 11	17°43'49	23°13	7° 7	7°57	26°10	20°28	10°24	20°17	8°51	5°55	27°40	28°18	16°32	24°52	S 9
S 10	7 14 7	18°44'57	5♂ 3	8°41	9° 9	26°54	20°41	10°31	20°15	8°52	5°55	27°32	28°15	16°39	24°56	S 10
M 11	7 18 4	19°46'05	16°54	10°14	10°22	27°38	20°54	10°38	20°13	8°53	5°54	27°21	28°12	16°46	24°59	M 11
T 12	7 22 0	20°47'13	28°49	11°48	11°34	28°22	21° 6	10°45	20°11	8°54	5°53	27° 9	28° 9	16°52	25° 3	T 12
W 13	7 25 57	21°48'20	10♂48	13°22	12°46	29° 7	21°19	10°52	20° 8	8°55	5°52	26°56	28° 5	16°59	25° 7	W 13
T 14	7 29 54	22°49'26	22°54	14°57	13°59	29°51	21°31	10°59	20° 6	8°56	5°51	26°43	28° 2	17° 6	25°10	T 14
F 15	7 33 50	23°50'33	5♂ 7	16°33	15°11	0♂35	21°44	11° 6	20° 4	8°57	5°50	26°32	27°59	17°12	25°14	F 15
S 16	7 37 47	24°51'38	17°28	18° 8	16°24	1°19	21°56	11°13	20° 2	8°58	5°49	26°23	27°56	17°19	25°18	S 16
S 17	7 41 43	25°52'44	29°58	19°45	17°36	2° 4	22° 9	11°20	19°59	8°58	5°47	26°17	27°53	17°26	25°22	S 17
M 18	7 45 40	26°53'49	12♂39	21°22	18°49	2°48	22°21	11°27	19°57	8°59	5°46	26°14	27°50	17°33	25°25	M 18
T 19	7 49 36	27°54'54	25°32	22°59	20° 2	3°33	22°33	11°34	19°55	9° 0	5°45	26°D13	27°46	17°39	25°29	T 19
W 20	7 53 33	28°55'58	8♂39	24°37	21°15	4°17	22°46	11°41	19°52	9° 1	5°44	26°13	27°43	17°46	25°33	W 20
T 21	7 57 29	29°57'02	22° 3	26°15	22°27	5° 2	22°58	11°48	19°50	9° 1	5°43	26°14	27°40	17°53	25°37	T 21
F 22	8 1 26	0♂58'06	5♂46	27°54	23°40	5°46	23°10	11°54	19°47	9° 2	5°42	26°R14	27°37	18° 0	25°41	F 22
S 23	8 5 23	1°59'09	19°49	29°34	24°53	6°31	23°22	12° 1	19°45	9° 3	5°41	26°13	27°34	18° 6	25°45	S 23
S 24	8 9 19	3° 0'12	4♂12	1♂14	26° 6	7°16	23°34	12° 8	19°42	9° 3	5°39	26° 9	27°30	18°13	25°49	S 24
M 25	8 13 16	4° 1'14	18°52	2°55	27°19	8° 1	23°46	12°15	19°40	9° 4	5°38	26° 3	27°27	18°20	25°53	M 25
T 26	8 17 12	5° 2'16	3♂44	4°36	28°32	8°45	23°58	12°22	19°37	9° 4	5°37	25°55	27°24	18°26	25°57	T 26
W 27	8 21 9	6° 3'18	18°40	6°18	29°46	9°30	24° 9	12°28	19°35	9° 5	5°36	25°47	27°21	18°33	26° 1	W 27
T 28	8 25 5	7° 4'18	3♂30	8° 1	0♂59	10°15	24°21	12°35	19°32	9° 5	5°34	25°39	27°18	18°40	26° 5	T 28
F 29	8 29 2	8° 5'18	18° 7	9°45	2°12	11° 0	24°33	12°42	19°30	9° 6	5°33	25°33	27°15	18°47	26° 9	F 29
S 30	8 32 59	9° 6'16	2♂23	11°28	3°25	11°45	24°44	12°48	19°27	9° 6	5°32	25°28	27°11	18°53	26°13	S 30
S 31	8 36 55	10♂ 7'14	16♂14	13♂13	4♂38	12♂30	24♂56	12♂55	19♂25	9♂ 7	5♂30	25♂26	27♂ 8	19♂ 0	26♂17	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
F 1	23s 6	14s 5	3n43	23s31	0s10	17s33	2n18	23s27	0s22	22s30	0n28	22s34	0n33	15n20	0n44	12s45	1n44	20n51	12n28	0n47	0n30	17n41	7s50	5n53
S 2	23 1	10 43	2 46	23 41	0 17	17 50	2 17	23 31	0 23	22 31	0 28	22 33	0 33	15 21	0 44	12 45	1 45	20 52	12 29	0 50	0 32	17 41	7 49	5 52
S 3	22 56	6 52	1 41	23 50	0 24	18 7	2 15	23 35	0 23	22 32	0 28	22 33	0 32	15 21	0 44	12 46	1 45	20 52	12 29	0 51	0 33	17 42	7 48	5 52
M 4	22 50	2 47	0 32	23 58	0 31	18 22	2 13	23 38	0 24	22 33	0 28	22 32	0 32	15 22	0 44	12 46	1 45	20 53	12 29	0 52	0 34	17 42	7 48	5 52
T 5	22 44	1n17	0s36	24 4	0 38	18 38	2 12	23 41	0 25	22 34	0 28	22 32	0 32	15 23	0 44	12 46	1 45	20 53	12 30	0 52	0 35	17 43	7 47	5 52
W 6	22 38	5 10	1 40	24 9	0 44	18 53	2 10	23 44	0 25	22 35	0 28	22 32	0 32	15 23	0 44	12 47	1 45	20 54	12 30	0 52	0 37	17 43	7 46	5 51
T 7	22 31	8 45	2 39	24 13	0 51	19 8	2 8	23 46	0 26	22 36	0 28	22 31	0 32	15 24	0 44	12 47	1 45	20 55	12 30	0 52	0 38	17 44	7 45	5 51
F 8	22 24	11 55	3 29	24 16	0 57	19 22	2 6	23 48	0 27	22 37	0 28	22 31	0 32	15 25	0 44	12 47	1 45	20 55	12 31	0 53	0 39	17 44	7 44	5 51
S 9	22 16	14 33	4 10	24 18	1 3	19 36	2 4	23 50	0 27	22 38	0 28	22 30	0 32	15 25	0 44	12 48	1 45	20 56	12 31	0 55	0 41	17 45	7 43	5 51
S 10	22 8	16 34	4 39	24 18	1 8	19 49	2 2	23 52	0 28	22 39	0 28	22 30	0 32	15 26	0 44	12 48	1 45	20 57	12 32	0 59	0 42	17 45	7 42	5 50
M11	21 59	17 52	4 57	24 17	1 14	20 2	2 0	23 54	0 29	22 40	0 28	22 29	0 32	15 27	0 44	12 48	1 45	20 57	12 32	1 3	0 43	17 46	7 41	5 50
T 12	21 50	18 24	5 2	24 14	1 19	20 14	1 58	23 55	0 29	22 41	0 28	22 29	0 32	15 27	0 44	12 48	1 45	20 58	12 32	1 8	0 44	17 46	7 40	5 50
W13	21 41	18 8	4 53	24 10	1 24	20 25	1 55	23 56	0 30	22 42	0 28	22 28	0 32	15 28	0 44	12 49	1 45	20 59	12 33	1 13	0 46	17 47	7 39	5 50
T 14	21 31	17 2	4 32	24 5	1 29	20 36	1 53	23 57	0 31	22 43	0 28	22 28	0 32	15 29	0 44	12 49	1 45	21 0	12 33	1 18	0 47	17 47	7 38	5 49
F 15	21 20	15 9	3 57	23 58	1 34	20 47	1 51	23 58	0 31	22 43	0 28	22 27	0 32	15 30	0 44	12 49	1 45	21 0	12 33	1 23	0 48	17 48	7 37	5 49
S 16	21 10	12 34	3 11	23 50	1 38	20 57	1 48	23 58	0 32	22 44	0 28	22 27	0 32	15 30	0 44	12 49	1 45	21 1	12 34	1 26	0 49	17 48	7 36	5 49
S 17	20 58	9 22	2 15	23 40	1 42	21 7	1 46	23 58	0 32	22 45	0 28	22 26	0 32	15 31	0 44	12 50	1 45	21 2	12 34	1 29	0 51	17 49	7 35	5 49
M18	20 47	5 42	1 12	23 29	1 46	21 15	1 43	23 58	0 33	22 46	0 28	22 25	0 32	15 32	0 44	12 50	1 45	21 2	12 34	1 30	0 52	17 49	7 34	5 48
T 19	20 35	1 43	0 4	23 17	1 49	21 24	1 41	23 57	0 34	22 47	0 27	22 25	0 31	15 33	0 44	12 50	1 46	21 3	12 35	1 30	0 53	17 49	7 33	5 48
W20	20 23	2s25	1n 6	23 3	1 52	21 31	1 38	23 57	0 34	22 47	0 27	22 24	0 31	15 33	0 44	12 50	1 46	21 4	12 35	1 30	0 54	17 50	7 32	5 48
T 21	20 10	6 31	2 14	22 47	1 55	21 39	1 35	23 56	0 35	22 48	0 27	22 24	0 31	15 34	0 44	12 50	1 46	21 5	12 35	1 30	0 56	17 50	7 31	5 48
F 22	19 57	10 22	3 16	22 30	1 58	21 45	1 32	23 55	0 36	22 49	0 27	22 23	0 31	15 35	0 44	12 50	1 46	21 5	12 35	1 30	0 57	17 51	7 30	5 48
S 23	19 43	13 43	4 7	22 12	2 0	21 51	1 30	23 53	0 36	22 49	0 27	22 23	0 31	15 36	0 44	12 51	1 46	21 6	12 36	1 30	0 58	17 51	7 29	5 48
S 24	19 29	16 20	4 44	21 52	2 2	21 56	1 27	23 51	0 37	22 50	0 27	22 22	0 31	15 37	0 44	12 51	1 46	21 7	12 36	1 32	0 59	17 52	7 28	5 47
M25	19 15	17 56	5 4	21 30	2 3	22 1	1 24	23 49	0 37	22 51	0 27	22 22	0 31	15 37	0 44	12 51	1 46	21 7	12 36	1 34	1 1	17 52	7 27	5 47
T 26	19 1	18 20	5 4	21 7	2 4	22 5	1 21	23 47	0 38	22 51	0 27	22 21	0 31	15 38	0 44	12 51	1 46	21 8	12 37	1 37	1 2	17 52	7 25	5 47
W27	18 46	17 29	4 43	20 43	2 5	22 8	1 18	23 45	0 39	22 52	0 27	22 21	0 31	15 39	0 44	12 51	1 46	21 9	12 37	1 40	1 3	17 53	7 24	5 47
T 28	18 30	15 26	4 3	20 17	2 5	22 11	1 15	23 42	0 39	22 52	0 27	22 20	0 31	15 40	0 44	12 51	1 46	21 10	12 37	1 44	1 5	17 53	7 23	5 47
F 29	18 15	12 26	3 7	19 49	2 5	22 13	1 12	23 39	0 40	22 53	0 27	22 19	0 31	15 41	0 44	12 51	1 46	21 10	12 37	1 46	1 6	17 54	7 22	5 47
S 30	17 59	8 44	2 1	19 20	2 4	22 15	1 9	23 36	0 41	22 53	0 27	22 19	0 31	15 41	0 44	12 51	1 46	21 11	12 38	1 48	1 7	17 54	7 21	5 46
S 31	17s43	4s40	0n50	18s49	2s 3	22s16	1n 6	23s32	0s41	22s54	0n27	22s18	0n31	15n42	0n44	12s51	1n46	21n12	12n38	1n49	1n 8	17n55	7s19	5n46

ASTRODIENST EPHEMERIS for the year 1960
geocentric

FEBRUARY 1960

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
M 1	8 40 52	11♈ 8'10	29♋ 39	14♌ 58	5♍ 52	13♎ 15	25♏ 7	13♐ 1	19°R22	9♑ 7	5°R29	25°D26	27♒ 5	19♓ 7	26♈ 21	M 1
T 2	8 44 48	12° 9'05	12♌ 37	16°44	7° 5	14° 0	25°19	13° 8	19♒ 19	9° 7	5°R27	25°R27	27° 2	19°13	26°25	T 2
W 3	8 48 45	13° 9'59	25°13	18°30	8°18	14°45	25°30	13°14	19°17	9° 7	5°26	25°28	26°59	19°20	26°29	W 3
T 4	8 52 41	14°10'51	7♌ 31	20°17	9°32	15°30	25°41	13°21	19°14	9° 8	5°25	25°29	26°56	19°27	26°33	T 4
F 5	8 56 38	15°11'42	19°35	22° 4	10°45	16°15	25°52	13°27	19°12	9° 8	5°23	25°R29	26°52	19°34	26°37	F 5
S 6	9 0 34	16°12'31	1♌ 30	23°51	11°58	17° 0	26° 3	13°34	19° 9	9° 8	5°22	25°28	26°49	19°40	26°41	S 6
S 7	9 4 31	17°13'19	13°21	25°39	13°12	17°45	26°14	13°40	19° 6	9° 8	5°20	25°25	26°46	19°47	26°46	S 7
M 8	9 8 27	18°14'06	25°14	27°27	14°25	18°30	26°25	13°46	19° 4	9° 8	5°19	25°20	26°43	19°54	26°50	M 8
T 9	9 12 24	19°14'51	7♌ 10	29°14	15°39	19°16	26°35	13°52	19° 1	9° 8	5°18	25°14	26°40	20° 1	26°54	T 9
W10	9 16 21	20°15'35	19°14	1♋ 2	16°52	20° 1	26°46	13°59	18°58	9°R 8	5°16	25° 7	26°36	20° 7	26°58	W10
T 11	9 20 17	21°16'17	1♌ 28	2°49	18° 6	20°46	26°56	14° 5	18°56	9° 8	5°15	25° 1	26°33	20°14	27° 2	T 11
F 12	9 24 14	22°16'58	13°53	4°35	19°19	21°31	27° 7	14°11	18°53	9° 8	5°13	24°55	26°30	20°21	27° 6	F 12
S 13	9 28 10	23°17'37	26°30	6°21	20°33	22°17	27°17	14°17	18°51	9° 8	5°12	24°51	26°27	20°27	27°10	S 13
S 14	9 32 7	24°18'15	9♌ 20	8° 5	21°46	23° 2	27°27	14°23	18°48	9° 8	5°10	24°48	26°24	20°34	27°15	S 14
M15	9 36 3	25°18'52	22°21	9°47	23° 0	23°48	27°37	14°29	18°45	9° 8	5° 9	24°D47	26°21	20°41	27°19	M15
T 16	9 40 0	26°19'27	5♌ 35	11°27	24°14	24°33	27°47	14°35	18°43	9° 8	5° 7	24°48	26°17	20°48	27°23	T 16
W17	9 43 56	27°20'01	19° 0	13° 5	25°27	25°18	27°57	14°41	18°40	9° 7	5° 6	24°49	26°14	20°54	27°27	W17
T 18	9 47 53	28°20'33	2♌ 38	14°40	26°41	26° 4	28° 7	14°46	18°38	9° 7	5° 4	24°50	26°11	21° 1	27°31	T 18
F 19	9 51 50	29°21'05	16°27	16°11	27°55	26°50	28°17	14°52	18°35	9° 7	5° 3	24°52	26° 8	21° 8	27°36	F 19
S 20	9 55 46	0♋ 21'35	0♌ 28	17°37	29° 8	27°35	28°26	14°58	18°32	9° 7	5° 1	24°R52	26° 5	21°14	27°40	S 20
S 21	9 59 43	1°22'04	14°40	18°59	0♎ 22	28°21	28°36	15° 3	18°30	9° 6	4°59	24°52	26° 2	21°21	27°44	S 21
M22	10 3 39	2°22'32	29° 0	20°15	1°36	29° 6	28°45	15° 9	18°27	9° 6	4°58	24°50	25°58	21°28	27°48	M22
T 23	10 7 36	3°22'58	13♌ 26	21°25	2°50	29°52	28°54	15°15	18°25	9° 5	4°56	24°48	25°55	21°35	27°52	T 23
W24	10 11 32	4°23'23	27°52	22°28	4° 3	0♎ 38	29° 3	15°20	18°22	9° 5	4°55	24°45	25°52	21°41	27°56	W24
T 25	10 15 29	5°23'47	12♎ 15	23°23	5°17	1°23	29°12	15°25	18°20	9° 5	4°53	24°42	25°49	21°48	28° 1	T 25
F 26	10 19 25	6°24'09	26°27	24°11	6°31	2° 9	29°21	15°31	18°17	9° 4	4°52	24°40	25°46	21°55	28° 5	F 26
S 27	10 23 22	7°24'29	10♋ 25	24°49	7°45	2°55	29°30	15°36	18°15	9° 3	4°50	24°38	25°42	22° 2	28° 9	S 27
S 28	10 27 19	8°24'47	24° 4	25°19	8°59	3°41	29°39	15°41	18°12	9° 3	4°49	24°D38	25°39	22° 8	28°13	S 28
M29	10 31 15	9♋ 25'04	7♌ 23	25♋ 39	10♎ 12	4♎ 27	29♌ 47	15♌ 46	18♌ 10	9♌ 2	4°R47	24°R38	25°R36	22♓ 15	28♈ 17	M29

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	17s26	0s29	0s23	18s17	2s 2	22s16	1n 3	23s29	0s42	22s54	0n27	22s18	0n31	15n43	0n44	12s51	1n46	21n13	12n38	1n49	1n10	17n55	7s18	5n46
T 2	17 9	3n35	1 32	17 43	2 0	22 15	1 0	23 25	0 43	22 55	0 27	22 17	0 31	15 44	0 44	12 51	1 46	21 13	12 38	1 49	1 11	17 55	7 17	5 46
W 3	16 52	7 22	2 34	17 8	1 57	22 14	0 57	23 20	0 43	22 55	0 27	22 16	0 31	15 45	0 44	12 51	1 46	21 14	12 39	1 48	1 12	17 56	7 16	5 46
T 4	16 35	10 44	3 28	16 32	1 54	22 12	0 54	23 16	0 44	22 55	0 27	22 16	0 31	15 46	0 44	12 51	1 46	21 15	12 39	1 48	1 13	17 56	7 15	5 46
F 5	16 17	13 35	4 12	15 54	1 50	22 10	0 51	23 11	0 44	22 56	0 27	22 15	0 31	15 46	0 44	12 51	1 47	21 16	12 39	1 48	1 15	17 57	7 13	5 46
S 6	15 59	15 50	4 44	15 14	1 46	22 7	0 48	23 6	0 45	22 56	0 27	22 15	0 31	15 47	0 44	12 51	1 47	21 16	12 39	1 48	1 16	17 57	7 12	5 45
S 7	15 41	17 23	5 4	14 33	1 41	22 3	0 44	23 1	0 46	22 57	0 27	22 14	0 31	15 48	0 44	12 51	1 47	21 17	12 39	1 49	1 17	17 57	7 11	5 45
M 8	15 22	18 11	5 10	13 51	1 35	21 59	0 41	22 56	0 46	22 57	0 27	22 13	0 30	15 49	0 44	12 51	1 47	21 18	12 40	1 51	1 18	17 58	7 9	5 45
T 9	15 3	18 12	5 4	13 8	1 29	21 54	0 38	22 50	0 47	22 57	0 27	22 13	0 30	15 50	0 44	12 51	1 47	21 18	12 40	1 54	1 20	17 58	7 8	5 45
W10	14 44	17 23	4 44	12 24	1 22	21 48	0 35	22 44	0 48	22 58	0 27	22 12	0 30	15 50	0 44	12 51	1 47	21 19	12 40	1 56	1 21	17 59	7 7	5 45
T 11	14 25	15 46	4 10	11 38	1 15	21 42	0 32	22 38	0 48	22 58	0 27	22 12	0 30	15 51	0 44	12 51	1 47	21 20	12 40	1 59	1 22	17 59	7 5	5 45
F 12	14 5	13 23	3 25	10 52	1 7	21 35	0 29	22 31	0 49	22 58	0 27	22 11	0 30	15 52	0 44	12 51	1 47	21 21	12 40	2 1	1 23	17 59	7 4	5 45
S 13	13 45	10 21	2 28	10 5	0 58	21 27	0 26	22 25	0 49	22 58	0 26	22 10	0 30	15 53	0 44	12 51	1 47	21 21	12 40	2 3	1 25	18 0	7 3	5 45
S 14	13 25	6 47	1 24	9 17	0 48	21 19	0 22	22 18	0 50	22 59	0 26	22 10	0 30	15 54	0 45	12 51	1 47	21 22	12 41	2 4	1 26	18 0	7 1	5 45
M15	13 5	2 50	0 13	8 29	0 38	21 10	0 19	22 11	0 51	22 59	0 26	22 9	0 30	15 55	0 45	12 51	1 47	21 23	12 41	2 4	1 27	18 0	7 0	5 45
T 16	12 45	1s19	0n59	7 41	0 27	21 0	0 16	22 3	0 51	22 59	0 26	22 9	0 30	15 55	0 45	12 51	1 47	21 23	12 41	2 4	1 29	18 1	6 59	5 45
W17	12 24	5 27	2 9	6 53	0 15	20 50	0 13	21 56	0 52	22 59	0 26	22 8	0 30	15 56	0 45	12 51	1 47	21 24	12 41	2 4	1 30	18 1	6 57	5 45
T 18	12 3	9 22	3 13	6 5	0 3	20 39	0 10	21 48	0 52	22 59	0 26	22 8	0 30	15 57	0 44	12 50	1 47	21 25	12 41	2 3	1 31	18 1	6 56	5 45
F 19	11 42	12 49	4 7	5 18	0n10	20 28	0 7	21 40	0 53	23 0	0 26	22 7	0 30	15 58	0 44	12 50	1 47	21 25	12 41	2 2	1 32	18 2	6 55	5 45
S 20	11 21	15 35	4 47	4 32	0 24	20 16	0 4	21 31	0 54	23 0	0 26	22 6	0 30	15 59	0 44	12 50	1 47	21 26	12 41	2 2	1 34	18 2	6 53	5 45
S 21	10 59	17 26	5 10	3 47	0 38	20 4	0 1	21 23	0 54	23 0	0 26	22 6	0 30	15 59	0 44	12 50	1 48	21 27	12 42	2 3	1 35	18 3	6 52	5 45
M22	10 38	18 13	5 14	3 4	0 52	19 50	0s 2	21 14	0 55	23 0	0 26	22 5	0 30	16 0	0 44	12 50	1 48	21 28	12 42	2 3	1 36	18 3	6 51	5 44
T 23	10 16	17 49	4 58	2 23	1 7	19 37	0 5	21 5	0 55	23 0	0 26	22 5	0 30	16 1	0 44	12 50	1 48	21 28	12 42	2 4	1 37	18 3	6 49	5 44
W24	9 54	16 17	4 24	1 44	1 22	19 22	0 8	20 56	0 56	23 0	0 26	22 4	0 30	16 2	0 44	12 49	1 48	21 29	12 42	2 5	1 39	18 4	6 48	5 44
T 25	9 32	13 43	3 33	1 9	1 37	19 8	0 11	20 46	0 56	23 0	0 26	22 3	0 30	16 2	0 44	12 49	1 48	21 29	12 42	2 6	1 40	18 4	6 46	5 44
F 26	9 10	10 22	2 29	0 36	1 52	18 52	0 14	20 37	0 57	23 0	0 26	22 3	0 30	16 3	0 44	12 49	1 48	21 30	12 42	2 7	1 41	18 4	6 45	5 44
S 27	8 47	6 28	1 18	0 7	2 6	18 36	0 17	20 27	0 58	23 0	0 26	22 2	0 30	16 4	0 44	12 49	1 48	21 31	12 42	2 8	1 42	18 5	6 44	5 44
S 28	8 25	2 19	0 3	0n18	2 21	18 20	0 19	20 17	0 58	23 0	0 26	22 2	0 30	16 5	0 44	12 49	1 48	21 31	12 42	2 8	1 44	18 5	6 42	5 44
M29	8s 2	1n51	1s10	0n38	2n34	18s 3	0s22	20s 6	0s59	23s 1	0n26	22s 1	0n30	16n 5	0n44	12s48	1n48	21n32	12n42	2n 8	1n45	18n 5	6s41	5n45

ASTRODIENST EPHEMERIS for the year 1960

geocentric

MARCH 1960

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	10 35 12	10°15'18	20°12'20	25°15'50	11°18'26	5°12'12	29°15'55	15°18'51	18°R 8	9°R 2	4°R46	24°13'39	25°13'33	22°11'22	28°11'21	T 1
W 2	10 39 8	11°25'31	2°15'58	25°R51	12°40	5°58	0°13'4	15°56	18°15	9°11	4°14	24°40	25°30	22°28	28°25	W 2
T 3	10 43 5	12°25'42	15°19	25°43	13°54	6°44	0°12	16°1	18°3	9°0	4°43	24°41	25°27	22°35	28°29	T 3
F 4	10 47 1	13°25'50	27°26	25°26	15°8	7°30	0°20	16°6	18°1	9°0	4°41	24°42	25°23	22°42	28°33	F 4
S 5	10 50 58	14°25'57	9°11'24	25°0	16°22	8°16	0°28	16°11	17°58	8°59	4°40	24°R43	25°20	22°49	28°37	S 5
S 6	10 54 54	15°26'01	21°17	24°26	17°36	9°2	0°35	16°16	17°56	8°58	4°38	24°43	25°17	22°55	28°41	S 6
M 7	10 58 51	16°26'04	3°15'10	23°45	18°49	9°48	0°43	16°20	17°54	8°57	4°37	24°42	25°14	23°2	28°46	M 7
T 8	11 2 48	17°26'04	15°8	22°58	20°3	10°34	0°50	16°25	17°52	8°56	4°35	24°42	25°11	23°9	28°50	T 8
W 9	11 6 44	18°26'02	27°14	22°6	21°17	11°20	0°58	16°30	17°49	8°55	4°34	24°41	25°7	23°15	28°54	W 9
T 10	11 10 41	19°25'58	9°12'33	21°10	22°31	12°6	1°5	16°34	17°47	8°55	4°32	24°40	25°4	23°22	28°57	T 10
F 11	11 14 37	20°25'52	22°7	20°12	23°45	12°52	1°12	16°38	17°45	8°54	4°31	24°39	25°1	23°29	29°1	F 11
S 12	11 18 34	21°25'44	4°11'58	19°14	24°59	13°38	1°19	16°43	17°43	8°53	4°29	24°39	24°58	23°36	29°5	S 12
S 13	11 22 30	22°25'33	18°6	18°15	26°13	14°24	1°25	16°47	17°41	8°52	4°28	24°39	24°55	23°42	29°9	S 13
M14	11 26 27	23°25'21	1°15'31	17°18	27°26	15°10	1°32	16°51	17°39	8°51	4°26	24°D39	24°52	23°49	29°13	M14
T 15	11 30 23	24°25'06	15°11	16°24	28°40	15°56	1°38	16°55	17°37	8°50	4°25	24°R39	24°48	23°56	29°17	T 15
W16	11 34 20	25°24'50	29°4	15°34	29°54	16°42	1°44	16°59	17°35	8°49	4°23	24°39	24°45	24°3	29°21	W16
T 17	11 38 16	26°24'32	13°11'6	14°48	1°11'8	17°28	1°51	17°3	17°33	8°48	4°22	24°39	24°42	24°9	29°25	T 17
F 18	11 42 13	27°24'13	27°16	14°7	2°22	18°14	1°57	17°7	17°32	8°46	4°21	24°39	24°39	24°16	29°29	F 18
S 19	11 46 10	28°23'51	11°17'29	13°32	3°36	19°0	2°2	17°11	17°30	8°45	4°19	24°38	24°36	24°23	29°32	S 19
S 20	11 50 6	29°23'28	25°43	13°2	4°50	19°47	2°8	17°14	17°28	8°44	4°18	24°D38	24°33	24°29	29°36	S 20
M21	11 54 3	0°11'23'04	9°15'55	12°39	6°4	20°33	2°13	17°18	17°26	8°43	4°16	24°38	24°29	24°36	29°40	M21
T 22	11 57 59	1°22'37	24°3	12°22	7°18	21°19	2°19	17°21	17°25	8°42	4°15	24°39	24°26	24°43	29°43	T 22
W23	12 1 56	2°22'09	8°11'4	12°11	8°32	22°5	2°24	17°25	17°23	8°41	4°14	24°39	24°23	24°50	29°47	W23
T 24	12 5 52	3°21'39	21°57	12°D 6	9°45	22°51	2°29	17°28	17°21	8°39	4°12	24°40	24°20	24°56	29°51	T 24
F 25	12 9 49	4°21'07	5°11'40	12°7	10°59	23°38	2°34	17°31	17°20	8°38	4°11	24°41	24°17	25°3	29°54	F 25
S 26	12 13 45	5°20'33	19°11	12°14	12°13	24°24	2°38	17°34	17°18	8°37	4°10	24°R41	24°13	25°10	29°58	S 26
S 27	12 17 42	6°19'57	2°11'29	12°26	13°27	25°10	2°43	17°37	17°17	8°35	4°9	24°41	24°10	25°17	0°11'2	S 27
M28	12 21 39	7°19'20	15°31	12°43	14°41	25°56	2°47	17°40	17°15	8°34	4°7	24°40	24°7	25°23	0°5	M28
T 29	12 25 35	8°18'40	28°18	13°5	15°55	26°43	2°51	17°43	17°14	8°33	4°6	24°39	24°4	25°30	0°9	T 29
W30	12 29 32	9°17'58	10°11'51	13°32	17°9	27°29	2°55	17°46	17°13	8°31	4°5	24°37	24°1	25°37	0°12	W30
T 31	12 33 28	10°17'13	23°11'8	14°14	18°11'23	28°15	2°59	17°49	17°11	8°30	4°11'4	24°11'35	23°11'58	25°11'43	0°11'15	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	7s40	5n49	2s17	0n54	2n47	17s45	0s25	19s56	0s59	23s 1	0n26	22s 1	0n30	16n 6	0n44	12s48
W 2	7 17	9 25	3 17	1 6	2 59	17 27	0 28	19 45	1 0	23 1	0 26	22 0	0 30	16 7	0 44	12 48
T 3	6 54	12 31	4 5	1 12	3 10	17 9	0 30	19 34	1 0	23 1	0 26	21 59	0 30	16 8	0 44	12 47
F 4	6 31	15 1	4 42	1 14	3 19	16 50	0 33	19 23	1 1	23 1	0 26	21 59	0 29	16 8	0 44	12 47
S 5	6 8	16 50	5 6	1 11	3 27	16 30	0 36	19 12	1 2	23 1	0 26	21 58	0 29	16 9	0 44	12 47
S 6	5 45	17 54	5 16	1 3	3 33	16 10	0 38	19 0	1 2	23 1	0 26	21 58	0 29	16 10	0 44	12 47
M 7	5 21	18 11	5 13	0 51	3 37	15 50	0 41	18 48	1 3	23 1	0 26	21 57	0 29	16 10	0 44	12 46
T 8	4 58	17 40	4 57	0 34	3 39	15 29	0 43	18 36	1 3	23 1	0 26	21 57	0 29	16 11	0 44	12 46
W 9	4 35	16 21	4 27	0 14	3 39	15 8	0 45	18 24	1 4	23 1	0 26	21 56	0 29	16 12	0 44	12 46
T 10	4 11	14 15	3 45	0s10	3 38	14 46	0 48	18 12	1 4	23 1	0 26	21 56	0 29	16 12	0 44	12 45
F 11	3 48	11 27	2 51	0 36	3 34	14 24	0 50	17 59	1 5	23 1	0 26	21 55	0 29	16 13	0 44	12 45
S 12	3 24	8 2	1 47	1 5	3 28	14 1	0 52	17 47	1 5	23 0	0 26	21 55	0 29	16 14	0 44	12 45
S 13	3 0	4 9	0 36	1 35	3 20	13 38	0 55	17 34	1 6	23 0	0 26	21 54	0 29	16 14	0 44	12 44
M14	2 37	0s 1	0n38	2 6	3 10	13 15	0 57	17 21	1 6	23 0	0 26	21 54	0 29	16 15	0 44	12 44
T 15	2 13	4 16	1 51	2 37	3 0	12 51	0 59	17 8	1 7	23 0	0 26	21 53	0 29	16 15	0 44	12 44
W16	1 49	8 20	3 0	3 7	2 47	12 27	1 1	16 54	1 7	23 0	0 26	21 53	0 29	16 16	0 44	12 43
T 17	1 26	12 0	3 58	3 37	2 34	12 3	1 3	16 41	1 8	23 0	0 26	21 52	0 29	16 16	0 44	12 43
F 18	1 2	14 59	4 42	4 5	2 20	11 38	1 5	16 27	1 8	23 0	0 26	21 52	0 29	16 17	0 44	12 42
S 19	0 38	17 4	5 9	4 32	2 6	11 13	1 6	16 13	1 9	23 0	0 25	21 52	0 29	16 18	0 44	12 42
S 20	0 15	18 6	5 17	4 57	1 51	10 48	1 8	15 59	1 9	23 0	0 25	21 51	0 29	16 18	0 44	12 42
M21	0n 9	17 59	5 6	5 20	1 36	10 22	1 10	15 45	1 10	23 0	0 25	21 51	0 29	16 19	0 44	12 41
T 22	0 33	16 46	4 36	5 41	1 20	9 57	1 12	15 30	1 10	23 0	0 25	21 50	0 29	16 19	0 44	12 41
W23	0 57	14 32	3 51	5 59	1 5	9 30	1 13	15 16	1 11	23 0	0 25	21 50	0 29	16 20	0 44	12 40
T 24	1 20	11 29	2 52	6 15	0 50	9 4	1 15	15 1	1 11	23 0	0 25	21 49	0 29	16 20	0 44	12 40
F 25	1 44	7 50	1 43	6 28	0 36	8 37	1 16	14 46	1 12	23 0	0 25	21 49	0 29	16 20	0 44	12 39
S 26	2 7	3 49	0 30	6 39	0 21	8 10	1 18	14 31	1 12	23 0	0 25	21 49	0 29	16 21	0 44	12 39
S 27	2 31	0n20	0s43	6 47	0 7	7 43	1 19	14 16	1 13	23 0	0 25	21 48	0 29	16 21	0 44	12 39
M28	2 54	4 23	1 53	6 53	0s 6	7 16	1 20	14 1	1 13	23 0	0 25	21 48	0 29	16 22	0 44	12 38
T 29	3 18	8 8	2 55	6 56	0 19	6 48	1 22	13 46	1 13	22 59	0 25	21 48	0 29	16 22	0 44	12 38
W30	3 41	11 28	3 48	6 58	0 32	6 21	1 23	13 30	1 14	22 59	0 25	21 47	0 29	16 22	0 44	12 37
T 31	4n 4	14n13	4s29	6s57	0s44	5s53	1s24	13s15	1s14	22s59	0n25	21s47	0n29	16n23	0n44	12s37

Julian Day Number = 2436994.5, Delta T = 33.22 sec
 Ecliptic obliquity = 23°26'31", Nutation = - 0°00'00", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 24°11'02, Lahiri = 23°18'02

ASTRODIENST EPHEMERIS for the year 1960

geocentric

APRIL 1960

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	12 37 25	11°16'27	5°11'16	14°39'39	19°37'37	29°31'1	3°3'3	17°51'51	17°R10	8°R29	4°R 3	24°R32	23°54'54	25°11'50	0°19'19	F 1
S 2	12 41 21	12°15'38	17°14	15°19	20°51	29°48	3°6	17°54	17°9	8°27	4°1	24°30	23°51	25°57	0°22	S 2
S 3	12 45 18	13°14'47	29°8	16°2	22°4	0°34	3°9	17°56	17°8	8°26	4°0	24°29	23°48	26°4	0°25	S 3
M 4	12 49 14	14°13'54	11°58	16°49	23°18	1°20	3°12	17°59	17°7	8°24	3°59	24°D28	23°45	26°10	0°29	M 4
T 5	12 53 11	15°12'59	22°58	17°39	24°32	2°6	3°15	18°1	17°6	8°23	3°58	24°28	23°42	26°17	0°32	T 5
W 6	12 57 8	16°12'01	5°52	18°32	25°46	2°53	3°18	18°3	17°5	8°21	3°57	24°29	23°38	26°24	0°35	W 6
T 7	13 1 4	17°11'01	17°22	19°29	27°0	3°39	3°21	18°5	17°4	8°20	3°56	24°31	23°35	26°30	0°38	T 7
F 8	13 5 1	18°9'58	29°59	20°28	28°14	4°25	3°23	18°7	17°3	8°18	3°55	24°32	23°32	26°37	0°41	F 8
S 9	13 8 57	19°8'54	12°56	21°30	29°28	5°11	3°25	18°9	17°2	8°17	3°54	24°33	23°29	26°44	0°45	S 9
S 10	13 12 54	20°7'47	26°16	22°35	0°41	5°58	3°27	18°11	17°1	8°15	3°53	24°R34	23°26	26°51	0°48	S 10
M 11	13 16 50	21°6'38	9°59	23°42	1°55	6°44	3°29	18°12	17°1	8°14	3°52	24°33	23°23	26°57	0°51	M 11
T 12	13 20 47	22°5'26	24°3	24°52	3°9	7°30	3°31	18°14	17°0	8°12	3°51	24°31	23°19	27°4	0°54	T 12
W 13	13 24 43	23°4'13	8°11	26°3	4°23	8°16	3°32	18°15	16°59	8°11	3°50	24°28	23°16	27°11	0°56	W 13
T 14	13 28 40	24°2'58	22°55	27°18	5°37	9°3	3°33	18°17	16°59	8°9	3°49	24°23	23°13	27°18	0°59	T 14
F 15	13 32 36	25°1'42	7°33	28°34	6°51	9°49	3°34	18°18	16°58	8°8	3°48	24°19	23°10	27°24	1°2	F 15
S 16	13 36 33	26°0'23	22°8	29°52	8°4	10°35	3°35	18°19	16°58	8°6	3°48	24°15	23°7	27°31	1°5	S 16
S 17	13 40 30	26°59'03	6°36	1°13	9°18	11°21	3°36	18°20	16°57	8°4	3°47	24°12	23°4	27°38	1°8	S 17
M 18	13 44 26	27°57'41	20°53	2°35	10°32	12°8	3°36	18°21	16°57	8°3	3°46	24°11	23°0	27°44	1°10	M 18
T 19	13 48 23	28°56'18	4°56	3°59	11°46	12°54	3°37	18°22	16°57	8°1	3°45	24°D11	22°57	27°51	1°13	T 19
W 20	13 52 19	29°54'53	18°44	5°25	13°0	13°40	3°R37	18°23	16°56	8°0	3°45	24°12	22°54	27°58	1°16	W 20
T 21	13 56 16	0°53'26	2°17	6°53	14°13	14°26	3°37	18°24	16°56	7°58	3°44	24°13	22°51	28°5	1°18	T 21
F 22	14 0 12	1°51'58	15°36	8°23	15°27	15°12	3°37	18°24	16°56	7°56	3°43	24°14	22°48	28°11	1°21	F 22
S 23	14 4 9	2°50'27	28°43	9°55	16°41	15°59	3°36	18°25	16°56	7°55	3°42	24°R15	22°44	28°18	1°23	S 23
S 24	14 8 5	3°48'56	11°37	11°28	17°55	16°45	3°36	18°25	16°D56	7°53	3°42	24°13	22°41	28°25	1°26	S 24
M 25	14 12 2	4°47'22	24°19	13°4	19°9	17°31	3°35	18°25	16°56	7°52	3°41	24°10	22°38	28°31	1°28	M 25
T 26	14 15 59	5°45'47	6°51	14°41	20°22	18°17	3°34	18°26	16°56	7°50	3°41	24°4	22°35	28°38	1°30	T 26
W 27	14 19 55	6°44'09	19°12	16°20	21°36	19°3	3°33	18°26	16°56	7°48	3°40	23°57	22°32	28°45	1°33	W 27
T 28	14 23 52	7°42'30	1°23	18°0	22°50	19°49	3°31	18°R26	16°56	7°47	3°40	23°49	22°29	28°52	1°35	T 28
F 29	14 27 48	8°40'49	13°25	19°43	24°4	20°35	3°30	18°26	16°56	7°45	3°39	23°41	22°25	28°58	1°37	F 29
S 30	14 31 45	9°39'07	25°22	21°27	25°18	21°21	3°28	18°25	16°57	7°43	3°39	23°33	22°22	29°11	1°39	S 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	4n28	16n18	4s58	6s53	0s55	5s25	1s25	12s59	1s15	22s59	0n25	21s47	0n29	16n23	0n44	F 1
S 2	4 51	17 38	5 13	6 48	1 6	4 57	1 26	12 43	1 15	22 59	0 25	21 46	0 29	16 24	0 44	S 2
S 3	5 14	18 12	5 14	6 41	1 16	4 28	1 27	12 27	1 16	22 59	0 25	21 46	0 29	16 24	0 44	S 3
M 4	5 37	17 58	5 2	6 31	1 26	4 0	1 27	12 11	1 16	22 59	0 25	21 46	0 29	16 24	0 44	M 4
T 5	6 0	16 56	4 37	6 20	1 35	3 31	1 28	11 55	1 16	22 59	0 25	21 46	0 29	16 24	0 44	T 5
W 6	6 22	15 8	4 0	6 7	1 43	3 2	1 29	11 39	1 17	22 59	0 25	21 45	0 28	16 25	0 44	W 6
T 7	6 45	12 36	3 11	5 52	1 51	2 34	1 29	11 22	1 17	22 59	0 25	21 45	0 28	16 25	0 44	T 7
F 8	7 7	9 26	2 11	5 35	1 58	2 5	1 30	11 6	1 18	22 59	0 25	21 45	0 28	16 25	0 44	F 8
S 9	7 30	5 43	1 4	5 17	2 5	1 36	1 30	10 49	1 18	22 59	0 25	21 45	0 28	16 25	0 44	S 9
S 10	7 52	1 38	0n 9	4 57	2 11	1 7	1 31	10 32	1 18	22 59	0 25	21 44	0 28	16 26	0 43	S 10
M 11	8 14	2s40	1 24	4 35	2 16	0 38	1 31	10 15	1 19	22 59	0 25	21 44	0 28	16 26	0 43	M 11
T 12	8 36	6 56	2 35	4 12	2 21	0 9	1 31	9 59	1 19	22 59	0 25	21 44	0 28	16 26	0 43	T 12
W 13	8 58	10 52	3 37	3 48	2 26	0n21	1 32	9 42	1 19	22 59	0 25	21 44	0 28	16 26	0 43	W 13
T 14	9 20	14 12	4 27	3 22	2 30	0 50	1 32	9 25	1 20	22 59	0 25	21 44	0 28	16 26	0 43	T 14
F 15	9 41	16 39	4 59	2 55	2 33	1 19	1 32	9 7	1 20	22 59	0 25	21 44	0 28	16 26	0 43	F 15
S 16	10 3	18 1	5 12	2 26	2 36	1 48	1 32	8 50	1 20	22 59	0 25	21 43	0 28	16 27	0 43	S 16
S 17	10 24	18 12	5 5	1 56	2 38	2 17	1 32	8 33	1 21	22 59	0 25	21 43	0 28	16 27	0 43	S 17
M 18	10 45	17 13	4 39	1 25	2 40	2 46	1 31	8 16	1 21	22 59	0 24	21 43	0 28	16 27	0 43	M 18
T 19	11 6	15 12	3 57	0 52	2 41	3 15	1 31	7 58	1 21	22 59	0 24	21 43	0 28	16 27	0 43	T 19
W 20	11 27	12 20	3 1	0 19	2 41	3 44	1 31	7 41	1 21	22 59	0 24	21 43	0 28	16 27	0 43	W 20
T 21	11 47	8 51	1 57	0n16	2 41	4 13	1 31	7 23	1 22	22 59	0 24	21 43	0 28	16 27	0 43	T 21
F 22	12 7	4 57	0 47	0 52	2 41	4 42	1 30	7 5	1 22	22 59	0 24	21 43	0 28	16 27	0 43	F 22
S 23	12 28	0 53	0s24	1 29	2 39	5 11	1 30	6 48	1 22	22 59	0 24	21 43	0 28	16 27	0 43	S 23
S 24	12 47	3n10	1 33	2 7	2 38	5 39	1 29	6 30	1 23	22 59	0 24	21 43	0 28	16 27	0 43	S 24
M 25	13 7	7 1	2 36	2 46	2 36	6 8	1 28	6 12	1 23	22 59	0 24	21 43	0 28	16 27	0 43	M 25
T 26	13 27	10 29	3 30	3 26	2 33	6 36	1 28	5 54	1 23	23 0	0 24	21 43	0 28	16 27	0 43	T 26
W 27	13 46	13 27	4 14	4 7	2 30	7 5	1 27	5 37	1 23	23 0	0 24	21 43	0 28	16 27	0 43	W 27
T 28	14 5	15 47	4 45	4 49	2 26	7 33	1 26	5 19	1 23	23 0	0 24	21 43	0 28	16 27	0 43	T 28
F 29	14 24	17 24	5 3	3 31	2 22	8 1	1 25	5 1	1 24	23 0	0 24	21 43	0 28	16 26	0 43	F 29
S 30	14n42	18n14	5s 8	6n15	2s17	8n28	1s24	4s43	1s24	23s 0	0n24	21s43	0n28	16n26	0n43	S 30

Julian Day Number = 2437025.5, Delta T = 33.26 sec

Ecliptic obliquity = 23°26'31", Nutation = - 0°00'02, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 24°11'06, Lahiri = 23°18'07

ASTRODIENST EPHEMERIS for the year 1960

geocentric

MAY 1960

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 35 41	10°37'22	7°51'14	23°13'31	26°13'31	22°13'31	3°13'26	18°13'25	16°13'57	7°13'42	3°13'38	23°13'27	22°13'19	29°13'12	1°13'41	S 1	
M 2	14 39 38	11°35'35	19° 5' 5	25° 0' 0	27°45' 0	22°53' 0	3°23'24	18°23'25	16°57' 0	7°14'40	3°13'38	23°13'22	22°16' 0	29°19' 0	1°43' 0	M 2	
T 3	14 43 34	12°33'46	1°1 1' 1	26°50' 0	28°59' 0	23°39' 0	3°22' 0	18°24' 0	16°58' 0	7°38' 0	3°37' 0	23°19' 0	22°13' 0	29°25' 0	1°45' 0	T 3	
W 4	14 47 31	13°31'55	13° 4' 4	28°41' 0	0°13' 24	24°25' 0	3°19' 0	18°24' 0	16°58' 0	7°37' 0	3°37' 0	23°19' 0	22°10' 0	29°32' 0	1°47' 0	W 4	
T 5	14 51 28	14°30'03	25°20' 0	0°13'34	1°26' 0	25°11' 0	3°16' 0	18°23' 0	16°59' 0	7°35' 0	3°37' 0	23°19' 0	22° 6' 0	29°39' 0	1°49' 0	T 5	
F 6	14 55 24	15°28'08	7°13'54	2°29' 0	2°40' 0	25°57' 0	3°14' 0	18°22' 0	17° 0' 0	7°34' 0	3°37' 0	23°20' 0	22° 3' 0	29°45' 0	1°51' 0	F 6	
S 7	14 59 21	16°26'11	20°51' 0	4°26' 0	3°54' 0	26°43' 0	3°11' 0	18°21' 0	17° 0' 0	7°32' 0	3°36' 0	23°21' 0	22° 0' 0	29°52' 0	1°52' 0	S 7	
S 8	15 3 17	17°24'12	4°14' 0	6°24' 0	5° 7' 0	27°29' 0	3° 7' 0	18°20' 0	17° 1' 0	7°30' 0	3°36' 0	23°20' 0	21°57' 0	29°59' 0	1°54' 0	S 8	
M 9	15 7 14	18°22'12	18° 4' 0	8°25' 0	6°21' 0	28°14' 0	3° 4' 0	18°19' 0	17° 2' 0	7°29' 0	3°36' 0	23°18' 0	21°54' 0	0°56' 0	1°56' 0	M 9	
T 10	15 11 10	19°20'10	2°11'21	10°26' 0	7°35' 0	29° 0' 0	3° 0' 0	18°18' 0	17° 2' 0	7°27' 0	3°36' 0	23°13' 0	21°50' 0	0°12' 0	1°57' 0	T 10	
W 11	15 15 7	20°18'06	17° 0' 0	12°30' 0	8°48' 0	29°46' 0	2°57' 0	18°17' 0	17° 3' 0	7°26' 0	3°36' 0	23° 6' 0	21°47' 0	0°19' 0	1°59' 0	W 11	
T 12	15 19 3	21°16'01	1°17'56	14°35' 0	10° 2' 0	0°13'32	2°53' 0	18°16' 0	17° 4' 0	7°24' 0	3°35' 0	22°58' 0	21°44' 0	0°26' 0	2° 0' 0	T 12	
F 13	15 23 0	22°13'54	16°58' 0	16°41' 0	11°16' 0	1°18' 0	2°49' 0	18°14' 0	17° 5' 0	7°22' 0	3°35' 0	22°49' 0	21°41' 0	0°32' 0	2° 2' 0	F 13	
S 14	15 26 57	23°11'46	1°13'58	18°49' 0	12°30' 0	2° 3' 0	2°45' 0	18°13' 0	17° 6' 0	7°21' 0	3°35' 0	22°41' 0	21°38' 0	0°39' 0	2° 3' 0	S 14	
S 15	15 30 53	24° 9'36	16°47' 0	20°58' 0	13°43' 0	2°49' 0	2°40' 0	18°11' 0	17° 7' 0	7°19' 0	3°35' 0	22°34' 0	21°35' 0	0°46' 0	2° 4' 0	S 15	
M 16	15 34 50	25° 7'26	1°17'17	23° 8' 0	14°57' 0	3°34' 0	2°36' 0	18° 9' 0	17° 8' 0	7°18' 0	3°35' 0	22°30' 0	21°31' 0	0°53' 0	2° 5' 0	M 16	
T 17	15 38 46	26° 5'14	15°26' 0	25°19' 0	16°11' 0	4°20' 0	2°31' 0	18° 8' 0	17°10' 0	7°16' 0	3°35' 0	22°28' 0	21°28' 0	0°59' 0	2° 7' 0	T 17	
W 18	15 42 43	27° 3'01	29°13' 0	27°30' 0	17°24' 0	5° 6' 0	2°26' 0	18° 6' 0	17°11' 0	7°15' 0	3°35' 0	22°27' 0	21°25' 0	1° 6' 0	2° 8' 0	W 18	
T 19	15 46 39	28° 0'47	12°13'38	29°41' 0	18°38' 0	5°51' 0	2°21' 0	18° 4' 0	17°12' 0	7°13' 0	3°36' 0	22°28' 0	21°22' 0	1°13' 0	2° 9' 0	T 19	
F 20	15 50 36	28°58'32	25°44' 0	1°11'53	19°52' 0	6°37' 0	2°16' 0	18° 2' 0	17°13' 0	7°12' 0	3°36' 0	22°28' 0	21°19' 0	1°20' 0	2°10' 0	F 20	
S 21	15 54 32	29°56'15	8°13'34	4° 4' 0	21° 5' 0	7°22' 0	2°11' 0	18° 0' 0	17°15' 0	7°10' 0	3°36' 0	22°27' 0	21°16' 0	1°26' 0	2°11' 0	S 21	
S 22	15 58 29	0°11'53'58	21°11' 0	6°14' 0	22°19' 0	8° 8' 0	2° 5' 0	17°57' 0	17°16' 0	7° 9' 0	3°36' 0	22°23' 0	21°12' 0	1°33' 0	2°12' 0	S 22	
M 23	16 2 26	1°51'39	3°13'37	8°24' 0	23°33' 0	8°53' 0	2° 0' 0	17°55' 0	17°18' 0	7° 7' 0	3°36' 0	22°17' 0	21° 9' 0	1°40' 0	2°13' 0	M 23	
T 24	16 6 22	2°49'20	15°53' 0	10°33' 0	24°46' 0	9°38' 0	1°54' 0	17°53' 0	17°19' 0	7° 6' 0	3°36' 0	22° 9' 0	21° 6' 0	1°46' 0	2°13' 0	T 24	
W 25	16 10 19	3°46'59	28° 2' 0	12°40' 0	26° 0' 0	10°24' 0	1°48' 0	17°50' 0	17°21' 0	7° 4' 0	3°37' 0	21°57' 0	21° 3' 0	1°53' 0	2°14' 0	W 25	
T 26	16 14 15	4°44'37	10°11'4	14°46' 0	27°14' 0	11° 9' 0	1°42' 0	17°48' 0	17°22' 0	7° 3' 0	3°37' 0	21°45' 0	21° 0' 0	2° 0' 0	2°15' 0	T 26	
F 27	16 18 12	5°42'14	22° 1' 0	16°50' 0	28°27' 0	11°54' 0	1°36' 0	17°45' 0	17°24' 0	7° 2' 0	3°37' 0	21°32' 0	20°56' 0	2° 7' 0	2°15' 0	F 27	
S 28	16 22 8	6°39'49	3°13'54	18°52' 0	29°41' 0	12°39' 0	1°30' 0	17°42' 0	17°26' 0	7° 0' 0	3°38' 0	21°19' 0	20°53' 0	2°13' 0	2°16' 0	S 28	
S 29	16 26 5	7°37'24	15°45' 0	20°52' 0	0°11'55	13°24' 0	1°24' 0	17°40' 0	17°28' 0	6°59' 0	3°38' 0	21° 8' 0	20°50' 0	2°20' 0	2°16' 0	S 29	
M 30	16 30 1	8°34'57	27°36' 0	22°50' 0	2° 8' 0	14° 9' 0	1°17' 0	17°37' 0	17°29' 0	6°58' 0	3°39' 0	20°59' 0	20°47' 0	2°27' 0	2°17' 0	M 30	
T 31	16 33 58	9°11'32'28	9°11'31	24°11'45	3°11'22	14°11'54	1°11'11	17°33'34	17°11'31	6°11'56	3°11'39	20°11'53	20°11'44	2°11'33	2°11'17	T 31	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	15n 1	18n16	4s59	6n59	2s12	8n56	1s23	4s25	1s24	23s 0	0n24	21s43	0n28	16n26	0n43	12s21	1n50
M 2	15 19	17 30	4 38	7 44	2 6	9 24	1 22	4 7	1 24	23 0	0 24	21 43	0 28	16 26	0 43	12 20	1 50
T 3	15 37	15 58	4 4	8 29	2 0	9 51	1 21	3 49	1 24	23 0	0 24	21 43	0 28	16 26	0 43	12 20	1 50
W 4	15 54	13 42	3 19	9 15	1 53	10 18	1 20	3 31	1 25	23 0	0 24	21 43	0 28	16 26	0 43	12 19	1 50
T 5	16 11	10 48	2 25	10 2	1 46	10 44	1 19	3 13	1 25	23 0	0 24	21 44	0 28	16 26	0 43	12 19	1 50
F 6	16 28	7 20	1 22	10 48	1 38	11 11	1 18	2 55	1 25	23 1	0 24	21 44	0 27	16 25	0 43	12 18	1 50
S 7	16 45	3 25	0 13	11 35	1 30	11 37	1 16	2 36	1 25	23 1	0 23	21 44	0 27	16 25	0 43	12 18	1 50
S 8	17 2	0s48	0n58	12 23	1 21	12 3	1 15	2 18	1 25	23 1	0 23	21 44	0 27	16 25	0 43	12 17	1 50
M 9	17 18	5 6	2 9	13 10	1 12	12 29	1 14	2 0	1 25	23 1	0 23	21 44	0 27	16 25	0 42	12 17	1 50
T 10	17 34	9 16	3 13	13 57	1 3	12 54	1 12	1 42	1 25	23 1	0 23	21 44	0 27	16 24	0 42	12 16	1 50
W 11	17 49	12 58	4 7	14 45	0 53	13 19	1 11	1 24	1 26	23 1	0 23	21 45	0 27	16 24	0 42	12 16	1 50
T 12	18 5	15 54	4 44	15 31	0 43	13 44	1 9	1 6	1 26	23 2	0 23	21 45	0 27	16 24	0 42	12 15	1 50
F 13	18 20	17 47	5 3	16 18	0 33	14 9	1 7	0 48	1 26	23 2	0 23	21 45	0 27	16 23	0 42	12 15	1 50
S 14	18 34	18 25	5 0	17 3	0 23	14 33	1 6	0 30	1 26	23 2	0 23	21 45	0 27	16 23	0 42	12 14	1 50
S 15	18 49	17 48	4 38	17 48	0 13	14 56	1 4	0 12	1 26	23 2	0 23	21 46	0 27	16 23	0 42	12 14	1 50
M 16	19 3	16 0	3 58	18 32	0 2	15 20	1 2	0n 6	1 26	23 2	0 23	21 46	0 27	16 22	0 42	12 13	1 50
T 17	19 17	13 17	3 4	19 14	0n 9	15 43	1 0	0 24	1 26	23 2	0 23	21 46	0 27	16 22	0 42	12 13	1 50
W 18	19 30	9 52	2 1	19 55	0 19	16 6	0 59	0 42	1 26	23 2	0 23	21 46	0 27	16 21	0 42	12 12	1 50
T 19	19 43	6 1	0 52	20 34	0 29	16 28	0 57	1 0	1 26	23 3	0 23	21 47	0 27	16 21	0 42	12 12	1 50
F 20	19 56	1 58	0s17	21 11	0 40	16 50	0 55	1 18	1 26	23 3	0 23	21 47	0 27	16 21	0 42	12 11	1 50
S 21	20 8	2n 6	1 25	21 46	0 49	17 11	0 53	1 36	1 26	23 3	0 22	21 47	0 27	16 20	0 42	12 11	1 50
S 22	20 20	6 0	2 26	22 19	0 59	17 32	0 51	1 54	1 26	23 3	0 22	21 48	0 27	16 20	0 42	12 10	1 50
M 23	20 32	9 35	3 20	22 50	1 8	17 52	0 49	2 12	1 26	23 3	0 22	21 48	0 27	16 19	0 42	12 10	1 50
T 24	20 44	12 42	4 4	23 18	1 17	18 12	0 47	2 30	1 26	23 4	0 22	21 48	0 27	16 19	0 42	12 9	1 50
W 25	20 55	15 15	4 35	23 43	1 25	18 32	0 45	2 48	1 26	23 4	0 22	21 49	0 27	16 18	0 42	12 9	1 49
T 26	21 5	17 6	4 55	24 6	1 32	18 51	0 43	3 5	1 26	23 4	0 22	21 49	0 27	16 18	0 42	12 9	1 49
F 27	21 16	18 12	5 1	24 26	1 39	19 10	0 40	3 23	1 26	23 4	0 22	21 50	0 27	16 17	0 42	12 8	1 49
S 28	21 25	18 29	4 54	24 43	1 45	19 28	0 38	3 41	1 26	23 4	0 22	21 50	0 26	16 17	0 42	12 8	1 49
S 29	21 35	17 59	4 34	24 58	1 51	19 45	0 36	3 58	1 26	23 4	0 22	21 50	0 26	16 16	0 42	12 7	1 49
M 30	21 44	16 41	4 2	25 10	1 56	20 2	0 34	4 16	1 26	23 5	0 22	21 51	0 26	16 15	0 42	12 7	1 49
T 31	21n53	14n39	3s20	25n20	1n59	20n19	0s32	4n33	1s26	23s 5	0n21	21s51	0n26	16n15	0n42	12s 7	1n49

Julian Day Number = 2437055.5, Delta T = 33.30 sec
 Ecliptic obliquity = 23°26'31", Nutation = - 0°00'04", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 24°11'10", Lahiri = 23°18'11"

ASTRODIENST EPHEMERIS for the year 1960

geocentric

JUNE 1960

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	16 37 55	10II29'59	21Ω33	26II38	4II36	15Υ39	1°R 4	17°R31	17Ω33	6°R55	3♂40	20°R50	20♂41	25Ω40	2°H17	W 1
T 2	16 41 51	11°27'28	3♂47	28°28	5°49	16°24	0°357	17°328	17°35	6♂54	3°40	20♂49	20°37	2°47	2°18	T 2
F 3	16 45 48	12°24'56	16°18	0°15	7° 3	17° 9	0°51	17°25	17°37	6°52	3°41	20°49	20°34	2°54	2°18	F 3
S 4	16 49 44	13°22'22	29°10	2° 0	8°17	17°54	0°44	17°21	17°39	6°51	3°41	20°49	20°31	3° 0	2°18	S 4
S 5	16 53 41	14°19'48	12Ω29	3°43	9°30	18°39	0°37	17°18	17°41	6°50	3°42	20°47	20°28	3° 7	2°18	S 5
M 6	16 57 37	15°17'12	26°17	5°22	10°44	19°23	0°30	17°15	17°43	6°49	3°42	20°44	20°25	3°14	2°18	M 6
T 7	17 1 34	16°14'35	10♂34	6°59	11°58	20° 8	0°22	17°11	17°46	6°47	3°43	20°38	20°21	3°21	2°18	T 7
W 8	17 5 30	17°11'57	25°18	8°33	13°11	20°53	0°15	17° 8	17°48	6°46	3°44	20°30	20°18	3°27	2°18	W 8
T 9	17 9 27	18° 9'18	10♂24	10° 4	14°25	21°37	0° 8	17° 4	17°50	6°45	3°45	20°20	20°15	3°34	2°17	T 9
F 10	17 13 24	19° 6'39	25°40	11°33	15°39	22°22	0° 1	17° 1	17°52	6°44	3°45	20° 9	20°12	3°41	2°17	F 10
S 11	17 17 20	20° 3'58	10Ω57	12°58	16°52	23° 6	29°53	16°57	17°55	6°43	3°46	19°59	20° 9	3°47	2°17	S 11
S 12	17 21 17	21° 1'17	26° 2	14°21	18° 6	23°50	29°46	16°53	17°57	6°42	3°47	19°50	20° 6	3°54	2°17	S 12
M13	17 25 13	21°58'36	10Ω48	15°41	19°20	24°35	29°38	16°50	18° 0	6°41	3°48	19°44	20° 2	4° 1	2°16	M13
T 14	17 29 10	22°55'54	25° 9	16°57	20°33	25°19	29°31	16°46	18° 2	6°40	3°49	19°41	19°59	4° 8	2°16	T 14
W15	17 33 6	23°53'11	9°H 3	18°11	21°47	26° 3	29°23	16°42	18° 5	6°39	3°49	19°40	19°56	4°14	2°15	W15
T 16	17 37 3	24°50'29	22°30	19°22	23° 1	26°47	29°15	16°38	18° 7	6°38	3°50	19°39	19°53	4°21	2°15	T 16
F 17	17 40 59	25°47'46	5°Υ33	20°30	24°14	27°32	29° 8	16°34	18°10	6°37	3°51	19°39	19°50	4°28	2°14	F 17
S 18	17 44 56	26°45'02	18°17	21°34	25°28	28°16	29° 0	16°30	18°12	6°36	3°52	19°38	19°47	4°34	2°13	S 18
S 19	17 48 53	27°42'19	0°H 45	22°35	26°42	29° 0	28°53	16°26	18°15	6°35	3°53	19°34	19°43	4°41	2°12	S 19
M20	17 52 49	28°39'35	13° 0	23°33	27°55	29°43	28°45	16°22	18°18	6°34	3°54	19°28	19°40	4°48	2°12	M20
T 21	17 56 46	29°36'51	25° 6	24°27	29° 9	0°H 27	28°37	16°18	18°20	6°33	3°55	19°19	19°37	4°55	2°11	T 21
W22	18 0 42	0°Ω34'06	7°II 6	25°18	0°Ω23	1°11	28°30	16°14	18°23	6°33	3°56	19° 8	19°34	5° 1	2°10	W22
T 23	18 4 39	1°31'22	19° 2	26° 6	1°37	1°55	28°22	16°10	18°26	6°32	3°57	18°55	19°31	5° 8	2° 9	T 23
F 24	18 8 35	2°28'37	0°Ω55	26°49	2°50	2°38	28°14	16° 5	18°29	6°31	3°59	18°41	19°27	5°15	2° 8	F 24
S 25	18 12 32	3°25'52	12°46	27°29	4° 4	3°22	28° 7	16° 1	18°32	6°30	4° 0	18°28	19°24	5°21	2° 7	S 25
S 26	18 16 28	4°23'06	24°38	28° 4	5°18	4° 5	27°59	15°57	18°34	6°30	4° 1	18°17	19°21	5°28	2° 5	S 26
M27	18 20 25	5°20'20	6°Ω31	28°36	6°32	4°49	27°51	15°53	18°37	6°29	4° 2	18° 8	19°18	5°35	2° 4	M27
T 28	18 24 22	6°17'34	18°29	29° 3	7°45	5°32	27°44	15°48	18°40	6°28	4° 3	18° 2	19°15	5°42	2° 3	T 28
W29	18 28 18	7°14'47	0°♂34	29°27	8°59	6°15	27°36	15°44	18°43	6°28	4° 5	17°59	19°12	5°48	2° 2	W29
T 30	18 32 15	8°Ω12'00	12°♂50	29°Ω45	10°Ω13	6°Ω58	27°♂29	15°Ω40	18°Ω46	6°♂27	4°♂ 6	17°D57	19°♂ 8	5°Ω55	2°H 0	T 30

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	decl	lat	decl	lat
W 1	22n 1	11n59	2s28	25n27	2n 3	20n35	0s29	4n51	1s26	23s 5	0n21	21s52	0n26	16n14	0n42	12s 6	1n49	21n41	12n24	3n38	3n42	18n23	4s59	6n 5					
T 2	22 9	8 44	1 29	25 31	2 5	20 50	0 27	5 8	1 25	23 5	0 21	21 52	0 26	16 14	0 42	12 6	1 49	21 40	12 24	3 38	3 43	18 23	4 59	6 5					
F 3	22 17	5 2	0 24	25 33	2 7	21 5	0 25	5 25	1 25	23 5	0 21	21 53	0 26	16 13	0 42	12 5	1 49	21 40	12 23	3 39	3 44	18 23	4 58	6 5					
S 4	22 24	1 0	0n44	25 33	2 8	21 19	0 22	5 43	1 25	23 5	0 21	21 53	0 26	16 12	0 42	12 5	1 49	21 39	12 23	3 39	3 45	18 23	4 58	6 6					
S 5	22 31	3s13	1 52	25 31	2 8	21 33	0 20	6 0	1 25	23 5	0 21	21 54	0 26	16 12	0 42	12 5	1 49	21 39	12 23	3 39	3 47	18 23	4 57	6 6					
M 6	22 38	7 25	2 56	25 27	2 7	21 46	0 18	6 17	1 25	23 6	0 21	21 54	0 26	16 11	0 42	12 4	1 49	21 38	12 22	3 40	3 48	18 23	4 57	6 6					
T 7	22 44	11 20	3 51	25 21	2 6	21 58	0 15	6 34	1 25	23 6	0 21	21 54	0 26	16 10	0 42	12 4	1 49	21 38	12 22	3 43	3 49	18 23	4 57	6 7					
W 8	22 50	14 41	4 32	25 13	2 4	22 10	0 13	6 51	1 25	23 6	0 21	21 55	0 26	16 10	0 42	12 4	1 49	21 37	12 22	3 46	3 50	18 23	4 57	6 7					
T 9	22 55	17 8	4 56	25 4	2 1	22 21	0 11	7 7	1 24	23 6	0 20	21 55	0 26	16 9	0 42	12 3	1 49	21 37	12 21	3 50	3 52	18 23	4 56	6 7					
F 10	23 0	18 23	4 59	24 53	1 57	22 32	0 8	7 24	1 24	23 6	0 20	21 56	0 26	16 8	0 41	12 3	1 49	21 36	12 21	3 54	3 53	18 23	4 56	6 7					
S 11	23 4	18 20	4 41	24 40	1 52	22 42	0 6	7 41	1 24	23 6	0 20	21 57	0 26	16 7	0 41	12 3	1 49	21 35	12 21	3 58	3 54	18 23	4 56	6 8					
S 12	23 8	16 58	4 3	24 27	1 47	22 51	0 3	7 57	1 24	23 6	0 20	21 57	0 26	16 7	0 41	12 2	1 49	21 35	12 21	4 1	3 55	18 23	4 56	6 8					
M13	23 12	14 29	3 10	24 12	1 41	23 0	0 1	8 14	1 24	23 6	0 20	21 58	0 26	16 6	0 41	12 2	1 49	21 34	12 20	4 4	3 57	18 23	4 56	6 8					
T 14	23 15	11 10	2 6	23 56	1 35	23 8	0n 1	8 30	1 23	23 7	0 20	21 58	0 25	16 5	0 41	12 2	1 49	21 34	12 20	4 5	3 58	18 23	4 56	6 9					
W15	23 18	7 19	0 56	23 39	1 28	23 15	0 4	8 46	1 23	23 7	0 20	21 59	0 25	16 4	0 41	12 1	1 49	21 33	12 20	4 6	3 59	18 23	4 55	6 9					
T 16	23 20	3 12	0s15	23 21	1 20	23 21	0 6	9 2	1 23	23 7	0 20	21 59	0 25	16 3	0 41	12 1	1 49	21 33	12 20	4 6	4 0	18 23	4 55	6 9					
F 17	23 22	0n56	1 23	23 3	1 11	23 27	0 8	9 18	1 23	23 7	0 19	22 0	0 25	16 3	0 41	12 1	1 49	21 32	12 19	4 6	4 2	18 23	4 55	6 10					
S 18	23 24	4 56	2 25	22 44	1 2	23 33	0 11	9 34	1 22	23 7	0 19	22 0	0 25	16 2	0 41	12 1	1 49	21 31	12 19	4 6	4 3	18 23	4 55	6 10					
S 19	23 25	8 38	3 19	22 24	0 52	23 37	0 13	9 50	1 22	23 7	0 19	22 1	0 25	16 1	0 41	12 0	1 49	21 31	12 19	4 8	4 4	18 23	4 55	6 10					
M20	23 26	11 53	4 2	22 4	0 41	23 41	0 16	10 6	1 22	23 7	0 19	22 1	0 25	16 0	0 41	12 0	1 49	21 30	12 18	4 10	4 5	18 23	4 55	6 11					
T 21	23 26	14 36	4 34	21 44	0 30	23 44	0 18	10 22	1 22	23 7	0 19	22 2	0 25	15 59	0 41	12 0	1 48	21 29	12 18	4 14	4 7	18 23	4 55	6 11					
W22	23 26	16 40	4 54	21 23	0 19	23 47	0 20	10 37	1 21	23 7	0 19	22 3	0 25	15 58	0 41	12 0	1 48	21 29	12 18	4 18	4 8	18 23	4 55	6 11					
T 23	23 26	18 0	5 0	21 2	0 6	23 48	0 22	10 52	1 21	23 7	0 19	22 3	0 25	15 57	0 41	11 59	1 48	21 28	12 18	4 23	4 9	18 23	4 55	6 11					
F 24	23 25	18 33	4 54	20 41	0s 6	23 49	0 25	11 8	1 21	23 7	0 19	22 4	0 25	15 57	0 41	11 59	1 48	21 27	12 17	4 28	4 10	18 23	4 56	6 12					
S 25	23 24	18 17	4 34	20 21	0 20	23 50	0 27	11 23	1 20	23 7	0 18	22 4	0 25	15 56	0 41	11 59	1 48	21 27	12 17	4 34	4 12	18 23	4 56	6 12					
S 26	23 22	17 13	4 3	20 0	0 33	23 49	0 29	11 38	1 20	23 7	0 18	22 5	0 25	15 55	0 41	11 59	1 48	21 26	12 17	4 38	4 13	18 23	4 56	6 12					
M27	23 20	15 24	3 21	19 40	0 48	23 48	0 31	11 53	1 19	23 7	0 18	22 5	0 25	15 54	0 41	11 59	1 48	21 25	12 17	4 41	4 14	18 23	4 56	6 13					
T 28	23 18	12 55	2 30	19 20	1 2	23 47	0 34	12 7	1 19	23 7	0 18	22 6	0 24	15 53	0 41	11 59	1 48	21 25	12 16	4 44	4 15	18 23	4 56	6 13					
W29	23 15	9 51	1 31	19 1	1 17	23 44	0 36	12 22	1 19	23 7	0 18	22 7	0 24	15 52	0 41	11 58	1 48	21 24	12 16	4 45	4 17	18 23	4 56	6 13					
T 30	23n11	6n19	0s27	18n42	1s32	23n41	0n38	12n37	1s18	23s 7	0n18	22s 7	0n24	15n51	0n41	11s58	1n48	21n23	12n16	4n46	4n18	18n23	4s57	6n13					

ASTRODIENST EPHEMERIS for the year 1960
geocentric

JULY 1960

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
F 1	18 36 11	9♉ 9'13	25♎21	29♊59	11♋27	7♌42	27°R22	15°R35	18♎49	6°R27	4♐ 7	17♑57	19♒ 5	6♈ 2	1°R59	F 1
S 2	18 40 8	10° 6'25	8♏11	0♌ 9	12°40	8°25	27♎14	15♊31	18°53	6♋26	4° 8	17°R58	19° 2	6° 8	1♉57	S 2
S 3	18 44 4	11° 3'37	21°25	0°14	13°54	9° 7	27° 7	15°26	18°56	6°26	4°10	17°57	18°59	6°15	1°56	S 3
M 4	18 48 1	12° 0'48	5♋ 6	0°R14	15° 8	9°50	27° 0	15°22	18°59	6°25	4°11	17°55	18°56	6°22	1°54	M 4
T 5	18 51 57	12°57'59	19°16	0°10	16°22	10°33	26°53	15°18	19° 2	6°25	4°13	17°51	18°53	6°29	1°53	T 5
W 6	18 55 54	13°55'10	3♌52	0° 1	17°35	11°16	26°45	15°13	19° 5	6°24	4°14	17°44	18°49	6°35	1°51	W 6
T 7	18 59 51	14°52'21	18°52	29♊47	18°49	11°58	26°39	15° 9	19° 8	6°24	4°15	17°36	18°46	6°42	1°49	T 7
F 8	19 3 47	15°49'32	4♊ 6	29°29	20° 3	12°41	26°32	15° 4	19°12	6°24	4°17	17°27	18°43	6°49	1°47	F 8
S 9	19 7 44	16°46'43	19°24	29° 7	21°17	13°23	26°25	15° 0	19°15	6°23	4°18	17°19	18°40	6°56	1°46	S 9
S 10	19 11 40	17°43'54	4♋35	28°41	22°30	14° 6	26°18	14°56	19°18	6°23	4°20	17°12	18°37	7° 2	1°44	S 10
M 11	19 15 37	18°41'05	19°30	28°11	23°44	14°48	26°12	14°51	19°21	6°23	4°21	17° 7	18°33	7° 9	1°42	M 11
T 12	19 19 33	19°38'17	4♈ 0	27°39	24°58	15°30	26° 5	14°47	19°25	6°23	4°23	17° 4	18°30	7°16	1°40	T 12
W 13	19 23 30	20°35'29	18° 2	27° 3	26°12	16°12	25°59	14°42	19°28	6°22	4°24	17°D 3	18°27	7°22	1°38	W 13
T 14	19 27 27	21°32'41	1♑36	26°26	27°26	16°54	25°52	14°38	19°32	6°22	4°26	17° 4	18°24	7°29	1°36	T 14
F 15	19 31 23	22°29'54	14°44	25°47	28°39	17°36	25°46	14°34	19°35	6°22	4°28	17° 5	18°21	7°36	1°34	F 15
S 16	19 35 20	23°27'08	27°29	25° 7	29°53	18°18	25°40	14°29	19°38	6°22	4°29	17°R 5	18°18	7°43	1°32	S 16
S 17	19 39 16	24°24'23	9♌56	24°27	1♌ 7	18°59	25°34	14°25	19°42	6°22	4°31	17° 3	18°14	7°49	1°29	S 17
M 18	19 43 13	25°21'38	22° 8	23°47	2°21	19°41	25°28	14°21	19°45	6°D22	4°32	17° 0	18°11	7°56	1°27	M 18
T 19	19 47 9	26°18'54	4♐10	23° 9	3°35	20°23	25°23	14°16	19°49	6°22	4°34	16°55	18° 8	8° 3	1°25	T 19
W 20	19 51 6	27°16'10	16° 5	22°32	4°49	21° 4	25°17	14°12	19°52	6°22	4°36	16°47	18° 5	8° 9	1°23	W 20
T 21	19 55 2	28°13'27	27°57	21°58	6° 3	21°45	25°12	14° 8	19°56	6°22	4°37	16°39	18° 2	8°16	1°20	T 21
F 22	19 58 59	29°10'45	9♏48	21°27	7°16	22°27	25° 7	14° 4	19°59	6°22	4°39	16°30	17°59	8°23	1°18	F 22
S 23	20 2 56	0♌ 8'04	21°41	21° 0	8°30	23° 8	25° 1	13°59	20° 3	6°22	4°41	16°21	17°55	8°30	1°16	S 23
S 24	20 6 52	1° 5'23	3♎36	20°37	9°44	23°49	24°56	13°55	20° 6	6°22	4°43	16°14	17°52	8°36	1°13	S 24
M 25	20 10 49	2° 2'43	15°36	20°20	10°58	24°30	24°52	13°51	20°10	6°23	4°44	16° 8	17°49	8°43	1°11	M 25
T 26	20 14 45	3° 0'03	27°42	20° 7	12°12	25°10	24°47	13°47	20°14	6°23	4°46	16° 4	17°46	8°50	1° 8	T 26
W 27	20 18 42	3°57'24	9♎57	19°59	13°26	25°51	24°42	13°43	20°17	6°23	4°48	16° 2	17°43	8°56	1° 6	W 27
T 28	20 22 38	4°54'45	22°22	19°D58	14°40	26°31	24°38	13°39	20°21	6°23	4°50	16°D 2	17°39	9° 3	1° 3	T 28
F 29	20 26 35	5°52'07	5♏ 0	20° 2	15°54	27°12	24°34	13°35	20°25	6°24	4°52	16° 3	17°36	9°10	1° 0	F 29
S 30	20 30 31	6°49'30	17°55	20°13	17° 7	27°52	24°30	13°31	20°28	6°24	4°53	16° 5	17°33	9°17	0°58	S 30
S 31	20 34 28	7♎46'53	1♋10	20♊30	18♌21	28♋32	24♎26	13♊28	20♎32	6♋25	4♐55	16♑ 6	17♒30	9♉23	0♉55	S 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑	♒	♓	♈	♉		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat		
F 1	23n 8	2n27	0n39	18n24	1s48	23n37	0n40	12n51	1s18	23s 7	0n18	22s 8	0n24	15n50	0n41	11s58	1n48	21n23	12n16	4n46	4n19	18n23	4s57	6n14
S 2	23 3	1s38	1 46	18 7	2 3	23 32	0 42	13 5	1 17	23 7	0 17	22 8	0 24	15 49	0 41	11 58	1 48	21 22	12 15	4 46	4 20	18 23	4 57	6 14
S 3	22 59	5 45	2 48	17 51	2 19	23 27	0 44	13 19	1 17	23 7	0 17	22 9	0 24	15 48	0 41	11 58	1 48	21 21	12 15	4 46	4 22	18 23	4 57	6 14
M 4	22 54	9 43	3 44	17 36	2 34	23 21	0 46	13 33	1 17	23 7	0 17	22 10	0 24	15 47	0 41	11 58	1 48	21 21	12 15	4 47	4 23	18 23	4 58	6 14
T 5	22 49	13 15	4 27	17 21	2 49	23 14	0 48	13 47	1 16	23 7	0 17	22 10	0 24	15 46	0 41	11 58	1 48	21 20	12 15	4 48	4 24	18 23	4 58	6 15
W 6	22 43	16 6	4 55	17 9	3 5	23 7	0 50	14 1	1 16	23 7	0 17	22 11	0 24	15 45	0 41	11 58	1 48	21 19	12 15	4 51	4 25	18 23	4 58	6 15
T 7	22 37	17 56	5 4	16 57	3 19	22 59	0 52	14 14	1 15	23 7	0 17	22 11	0 24	15 44	0 41	11 58	1 48	21 18	12 14	4 54	4 27	18 23	4 59	6 15
F 8	22 30	18 32	4 51	16 47	3 33	22 50	0 54	14 27	1 15	23 7	0 16	22 12	0 24	15 43	0 41	11 58	1 48	21 18	12 14	4 57	4 28	18 23	4 59	6 15
S 9	22 23	17 47	4 18	16 38	3 47	22 41	0 56	14 41	1 14	23 7	0 16	22 12	0 24	15 42	0 41	11 58	1 48	21 17	12 14	5 1	4 29	18 23	5 0	6 16
S 10	22 16	15 46	3 27	16 31	4 0	22 31	0 58	14 54	1 14	23 7	0 16	22 13	0 23	15 41	0 41	11 57	1 47	21 16	12 14	5 4	4 30	18 23	5 0	6 16
M11	22 8	12 44	2 22	16 25	4 12	22 20	1 0	15 7	1 13	23 7	0 16	22 14	0 23	15 40	0 41	11 57	1 47	21 15	12 14	5 6	4 32	18 23	5 1	6 16
T 12	22 0	8 58	1 9	16 21	4 22	22 9	1 1	15 19	1 13	23 7	0 16	22 14	0 23	15 39	0 41	11 57	1 47	21 15	12 13	5 7	4 33	18 23	5 1	6 16
W13	21 52	4 49	0s 5	16 18	4 32	21 57	1 3	15 32	1 12	23 7	0 16	22 15	0 23	15 38	0 41	11 57	1 47	21 14	12 13	5 7	4 34	18 23	5 2	6 17
T 14	21 43	0 33	1 17	16 17	4 40	21 44	1 5	15 44	1 12	23 7	0 16	22 15	0 23	15 37	0 41	11 57	1 47	21 13	12 13	5 7	4 35	18 22	5 2	6 17
F 15	21 34	3n37	2 23	16 18	4 46	21 31	1 6	15 57	1 11	23 7	0 15	22 16	0 23	15 36	0 41	11 57	1 47	21 12	12 13	5 6	4 37	18 22	5 3	6 17
S 16	21 24	7 29	3 19	16 20	4 52	21 17	1 8	16 9	1 11	23 7	0 15	22 16	0 23	15 34	0 41	11 57	1 47	21 12	12 13	5 6	4 38	18 22	5 3	6 17
S 17	21 14	10 55	4 5	16 23	4 55	21 2	1 9	16 21	1 10	23 7	0 15	22 17	0 23	15 33	0 41	11 57	1 47	21 11	12 13	5 7	4 39	18 22	5 4	6 17
M18	21 4	13 49	4 39	16 28	4 57	20 47	1 11	16 33	1 9	23 7	0 15	22 18	0 23	15 32	0 41	11 58	1 47	21 10	12 12	5 8	4 40	18 22	5 4	6 18
T 19	20 53	16 5	4 59	16 35	4 57	20 31	1 12	16 44	1 9	23 7	0 15	22 18	0 23	15 31	0 41	11 58	1 47	21 9	12 12	5 10	4 42	18 22	5 5	6 18
W20	20 42	17 38	5 7	16 42	4 55	20 15	1 13	16 56	1 8	23 7	0 15	22 19	0 23	15 30	0 41	11 58	1 47	21 9	12 12	5 13	4 43	18 22	5 6	6 18
T 21	20 31	18 25	5 1	16 51	4 52	19 58	1 15	17 7	1 8	23 7	0 14	22 19	0 22	15 29	0 41	11 58	1 47	21 8	12 12	5 16	4 44	18 22	5 6	6 18
F 22	20 19	18 23	4 42	17 1	4 47	19 41	1 16	17 18	1 7	23 7	0 14	22 20	0 22	15 28	0 41	11 58	1 47	21 7	12 12	5 20	4 45	18 22	5 7	6 18
S 23	20 7	17 34	4 11	17 11	4 40	19 23	1 17	17 29	1 6	23 7	0 14	22 20	0 22	15 27	0 41	11 58	1 47	21 6	12 12	5 23	4 46	18 22	5 8	6 18
S 24	19 55	15 58	3 29	17 22	4 32	19 4	1 18	17 40	1 6	23 7	0 14	22 21	0 22	15 25	0 41	11 58	1 47	21 5	12 11	5 26	4 48	18 22	5 8	6 19
M25	19 42	13 39	2 37	17 34	4 23	18 45	1 19	17 51	1 5	23 7	0 14	22 21	0 22	15 24	0 41	11 58	1 47	21 5	12 11	5 28	4 49	18 21	5 9	6 19
T 26	19 29	10 44	1 38	17 46	4 12	18 25	1 20	18 1	1 4	23 7	0 14	22 22	0 22	15 23	0 41	11 58	1 47	21 4	12 11	5 30	4 50	18 21	5 10	6 19
W27	19 16	7 20	0 33	17 59	4 1	18 5	1 21	18 11	1 4	23 7	0 13	22 22	0 22	15 22	0 41	11 58	1 46	21 3	12 11	5 30	4 51	18 21	5 11	6 19
T 28	19 2	3 33	0n34	18 12	3 48	17 45	1 22	18 22	1 3	23 7	0 13	22 23	0 22	15 21	0 41	11 59	1 46	21 2	12 11	5 30	4 53	18 21	5 11	6 19
F 29	18 48	0s26	1 41	18 24	3 35	17 24	1 23	18 32	1 2	23 7	0 13	22 23	0 22	15 20	0 41	11 59	1 46	21 2	12 11	5 30	4 54	18 21	5 12	6 19
S 30	18 34	4 30	2 45	18 37	3 20	17 2	1 24	18 41	1 1	23 7	0 13	22 24	0 22	15 19	0 41	11 59	1 46	21 1	12 11	5 29	4 55	18 21	5 13	6 19
S 31	18n20	8s26	3n41	18n49	3s 6	16n40	1n24	18n51	1s 1	23s 7	0n13	22s24	0n21	15n17	0n41	11s59	1n46	21n 0	12n11	5n29	4n56	18n21	5s14	6n19

Julian Day Number = 2437116.5, Delta T = 33.37 sec
Ecliptic obliquity = 23°26'30, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 24°11'19, Lahiri = 23°18'19

ASTRODIENST EPHEMERIS for the year 1960

geocentric

AUGUST 1960

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	20 38 24	8♂44'16	14♂46	20♂53	19♂35	29♂13	24°R22	13°R24	20♂36	6♂25	4♂57	16°R 6	17♂27	9♂30	0°R52	M 1
T 2	20 42 21	9°41'41	28°47	21°22	20°49	29°52	24°19	13°20	20°39	6°25	4°59	16°5	17°24	9°37	0°45	T 2
W 3	20 46 18	10°39'06	13°17	21°58	22° 3	0♂32	24°16	13°16	20°43	6°26	5° 1	16° 2	17°20	9°43	0°47	W 3
T 4	20 50 14	11°36'31	27°53	22°40	23°17	1°12	24°12	13°13	20°47	6°26	5° 3	15°58	17°17	9°50	0°44	T 4
F 5	20 54 11	12°33'57	12♂50	23°28	24°31	1°52	24°10	13° 9	20°50	6°27	5° 5	15°53	17°14	9°57	0°41	F 5
S 6	20 58 7	13°31'25	27°54	24°23	25°45	2°31	24° 7	13° 6	20°54	6°28	5° 7	15°48	17°11	10° 4	0°39	S 6
S 7	21 2 4	14°28'53	12♂55	25°23	26°59	3°10	24° 4	13° 2	20°58	6°28	5° 8	15°45	17° 8	10°10	0°36	S 7
M 8	21 6 0	15°26'22	27°45	26°29	28°13	3°50	24° 2	12°59	21° 1	6°29	5°10	15°42	17° 5	10°17	0°33	M 8
T 9	21 9 57	16°23'52	12♂15	27°41	29°26	4°29	23°59	12°56	21° 5	6°29	5°12	15°D41	17° 1	10°24	0°30	T 9
W10	21 13 53	17°21'23	26°20	28°59	0♂40	5° 8	23°57	12°52	21° 9	6°30	5°14	15°42	16°58	10°30	0°27	W10
T 11	21 17 50	18°18'55	10♂0	0♂22	1°54	5°47	23°55	12°49	21°13	6°31	5°16	15°43	16°55	10°37	0°24	T 11
F 12	21 21 47	19°16'29	23°13	1°50	3° 8	6°25	23°54	12°46	21°16	6°32	5°18	15°44	16°52	10°44	0°21	F 12
S 13	21 25 43	20°14'05	6♂3	3°22	4°22	7° 4	23°52	12°43	21°20	6°33	5°20	15°46	16°49	10°50	0°19	S 13
S 14	21 29 40	21°11'42	18°32	4°59	5°36	7°42	23°51	12°40	21°24	6°33	5°22	15°R46	16°45	10°57	0°16	S 14
M15	21 33 36	22° 9'20	0♂46	6°40	6°50	8°21	23°50	12°37	21°28	6°34	5°24	15°46	16°42	11° 4	0°13	M15
T 16	21 37 33	23° 7'00	12°48	8°25	8° 4	8°59	23°49	12°34	21°31	6°35	5°26	15°45	16°39	11°11	0°10	T 16
W17	21 41 29	24° 4'42	24°42	10°13	9°18	9°37	23°48	12°31	21°35	6°36	5°28	15°42	16°36	11°17	0° 7	W17
T 18	21 45 26	25° 2'25	6♂34	12° 4	10°32	10°15	23°47	12°29	21°39	6°37	5°30	15°40	16°33	11°24	0° 4	T 18
F 19	21 49 22	26° 0'10	18°26	13°57	11°46	10°52	23°47	12°26	21°42	6°38	5°32	15°36	16°30	11°31	0° 1	F 19
S 20	21 53 19	26°57'56	0♂21	15°52	12°59	11°30	23°47	12°24	21°46	6°39	5°34	15°33	16°26	11°37	29°58	S 20
S 21	21 57 16	27°55'44	12°23	17°49	14°13	12° 7	23°D47	12°21	21°50	6°40	5°36	15°31	16°23	11°44	29°55	S 21
M22	22 1 12	28°53'33	24°32	19°47	15°27	12°45	23°47	12°19	21°54	6°41	5°38	15°29	16°20	11°51	29°52	M22
T 23	22 5 9	29°51'23	6♂51	21°46	16°41	13°22	23°47	12°17	21°57	6°42	5°40	15°28	16°17	11°58	29°49	T 23
W24	22 9 5	0♂49'15	19°21	23°45	17°55	13°59	23°48	12°14	22° 1	6°43	5°42	15°D28	16°14	12° 4	29°46	W24
T 25	22 13 2	1°47'08	2♂3	25°45	19° 9	14°35	23°48	12°12	22° 5	6°44	5°44	15°28	16°10	12°11	29°43	T 25
F 26	22 16 58	2°45'03	14°58	27°45	20°23	15°12	23°49	12°10	22° 8	6°46	5°46	15°29	16° 7	12°18	29°40	F 26
S 27	22 20 55	3°42'59	28° 7	29°44	21°37	15°48	23°50	12° 8	22°12	6°47	5°48	15°30	16° 4	12°24	29°37	S 27
S 28	22 24 51	4°40'57	11♂32	1♂43	22°51	16°24	23°52	12° 6	22°16	6°48	5°50	15°31	16° 1	12°31	29°34	S 28
M29	22 28 48	5°38'55	25°12	3°42	24° 5	17° 0	23°53	12° 5	22°20	6°49	5°52	15°32	15°58	12°38	29°31	M29
T 30	22 32 45	6°36'55	9♂8	5°39	25°18	17°36	23°55	12° 3	22°23	6°51	5°54	15°R32	15°55	12°45	29°28	T 30
W31	22 36 41	7♂34'57	23♂20	7♂36	26♂32	18♂12	23♂57	12♂2	22♂27	6♂52	5♂56	15♂32	15♂51	12♂51	29♂25	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	18n 5	12s 1	4n26	19n 1	2s50	16n17	1n25	19n 0	1s 0	23s 7	0n13	22s25	0n21	15n16	0n41	11s59
T 2	17 49	15 3	4 58	19 12	2 35	15 54	1 26	19 10	0 59	23 7	0 12	22 25	0 21	15 15	0 41	12 0
W 3	17 34	17 14	5 11	19 22	2 19	15 31	1 26	19 19	0 59	23 7	0 12	22 26	0 21	15 14	0 41	12 0
T 4	17 18	18 21	5 5	19 31	2 3	15 7	1 26	19 28	0 58	23 7	0 12	22 26	0 21	15 13	0 41	12 0
F 5	17 2	18 13	4 38	19 39	1 47	14 43	1 27	19 36	0 57	23 7	0 12	22 27	0 21	15 12	0 41	12 0
S 6	16 46	16 48	3 52	19 45	1 31	14 18	1 27	19 45	0 56	23 7	0 12	22 27	0 21	15 10	0 41	12 0
S 7	16 29	14 13	2 50	19 50	1 15	13 53	1 27	19 53	0 55	23 7	0 12	22 28	0 21	15 9	0 41	12 1
M 8	16 13	10 45	1 37	19 53	1 0	13 28	1 28	20 1	0 55	23 7	0 12	22 28	0 21	15 8	0 41	12 1
T 9	15 55	6 41	0 19	19 54	0 45	13 2	1 28	20 10	0 54	23 7	0 11	22 28	0 21	15 7	0 41	12 1
W10	15 38	2 21	0s58	19 53	0 30	12 36	1 28	20 17	0 53	23 7	0 11	22 29	0 20	15 6	0 41	12 2
T 11	15 20	1n59	2 9	19 49	0 16	12 10	1 28	20 25	0 52	23 7	0 11	22 29	0 20	15 4	0 41	12 2
F 12	15 3	6 3	3 12	19 43	0 2	11 43	1 28	20 33	0 51	23 7	0 11	22 30	0 20	15 3	0 41	12 2
S 13	14 44	9 44	4 2	19 35	0n11	11 16	1 27	20 40	0 50	23 7	0 11	22 30	0 20	15 2	0 41	12 2
S 14	14 26	12 52	4 40	19 24	0 23	10 49	1 27	20 47	0 49	23 7	0 11	22 30	0 20	15 1	0 41	12 3
M15	14 8	15 21	5 4	19 10	0 35	10 21	1 27	20 54	0 49	23 7	0 10	22 31	0 20	15 0	0 41	12 3
T 16	13 49	17 8	5 14	18 54	0 46	9 53	1 27	21 1	0 48	23 8	0 10	22 31	0 20	14 58	0 41	12 3
W17	13 30	18 10	5 11	18 35	0 56	9 25	1 26	21 7	0 47	23 8	0 10	22 32	0 20	14 57	0 41	12 4
T 18	13 11	18 23	4 54	18 13	1 5	8 57	1 26	21 14	0 46	23 8	0 10	22 32	0 20	14 56	0 41	12 4
F 19	12 51	17 48	4 25	17 48	1 13	8 28	1 25	21 20	0 45	23 8	0 10	22 32	0 19	14 55	0 41	12 5
S 20	12 32	16 26	3 44	17 21	1 20	7 59	1 25	21 26	0 44	23 8	0 10	22 33	0 19	14 54	0 41	12 5
S 21	12 12	14 20	2 53	16 52	1 26	7 30	1 24	21 32	0 43	23 8	0 10	22 33	0 19	14 52	0 41	12 5
M22	11 52	11 34	1 53	16 20	1 32	7 1	1 23	21 38	0 42	23 8	0 9	22 33	0 19	14 51	0 41	12 6
T 23	11 31	8 16	0 47	15 46	1 36	6 31	1 22	21 44	0 41	23 9	0 9	22 34	0 19	14 50	0 41	12 6
W24	11 11	4 33	0n21	15 10	1 40	6 1	1 21	21 49	0 40	23 9	0 9	22 34	0 19	14 49	0 41	12 7
T 25	10 50	0 34	1 31	14 33	1 43	5 32	1 20	21 54	0 39	23 9	0 9	22 34	0 19	14 48	0 41	12 7
F 26	10 30	3s30	2 36	13 54	1 45	5 2	1 19	22 0	0 38	23 9	0 9	22 34	0 19	14 46	0 41	12 7
S 27	10 9	7 28	3 35	13 13	1 46	4 32	1 18	22 4	0 37	23 9	0 9	22 35	0 19	14 45	0 41	12 8
S 28	9 48	11 7	4 23	12 31	1 46	4 1	1 17	22 9	0 36	23 10	0 8	22 35	0 18	14 44	0 41	12 8
M29	9 26	14 15	4 57	11 48	1 46	3 31	1 16	22 14	0 35	23 10	0 8	22 35	0 18	14 43	0 41	12 9
T 30	9 5	16 38	5 15	11 4	1 45	3 0	1 15	22 18	0 34	23 10	0 8	22 36	0 18	14 42	0 41	12 9
W31	8n44	18s 3	5n14	10n19	1n44	2n30	1n13	22n23	0s33	23s10	0n 8	22s36	0n18	14n40	0n41	12s10

Julian Day Number = 2437147.5, Delta T = 33.41 sec
 Ecliptic obliquity = 23°26'31", Nutation = - 0°00'03", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 24°11'23", Lahiri = 23°18'23"

ASTRODIENST EPHEMERIS for the year 1960

geocentric

SEPTEMBER 1960

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 40 38	8 ^h 32'59	7 ^h 34'5	9 ^h 32'27	27 ^h 46	18 ^h 48	23 ^h 59	12 ^h R 0	22 ^h 30	6 ^h 53	5 ^h 59	15 ^h R31	15 ^h 48	12 ^h 58	29 ^h R22	T 1
F 2	22 44 34	9 ^h 31'03	22 ^h 19	11 ^h 27	29 ^h 0	19 ^h 23	24 ^h 1	11 ^h 35	22 ^h 34	6 ^h 55	6 ^h 1	15 ^h 31	15 ^h 45	13 ^h 5	29 ^h 19	F 2
S 3	22 48 31	10 ^h 29'09	6 ^h 58	13 ^h 20	0 ^h 14	19 ^h 58	24 ^h 3	11 ^h 57	22 ^h 38	6 ^h 56	6 ^h 3	15 ^h 30	15 ^h 42	13 ^h 11	29 ^h 16	S 3
S 4	22 52 27	11 ^h 27'16	21 ^h 37	15 ^h 13	1 ^h 28	20 ^h 33	24 ^h 6	11 ^h 56	22 ^h 41	6 ^h 58	6 ^h 5	15 ^h 29	15 ^h 39	13 ^h 18	29 ^h 13	S 4
M 5	22 56 24	12 ^h 25'24	6 ^h 7	17 ^h 4	2 ^h 42	21 ^h 8	24 ^h 9	11 ^h 55	22 ^h 45	6 ^h 59	6 ^h 7	15 ^h 29	15 ^h 36	13 ^h 25	29 ^h 11	M 5
T 6	23 0 20	13 ^h 23'35	20 ^h 24	18 ^h 55	3 ^h 55	21 ^h 42	24 ^h 11	11 ^h 54	22 ^h 48	7 ^h 1	6 ^h 9	15 ^h D29	15 ^h 32	13 ^h 31	29 ^h 8	T 6
W 7	23 4 17	14 ^h 21'47	4 ^h 22	20 ^h 44	5 ^h 9	22 ^h 17	24 ^h 15	11 ^h 53	22 ^h 52	7 ^h 2	6 ^h 11	15 ^h 29	15 ^h 29	13 ^h 38	29 ^h 5	W 7
T 8	23 8 14	15 ^h 20'00	17 ^h 59	22 ^h 32	6 ^h 23	22 ^h 51	24 ^h 18	11 ^h 52	22 ^h 56	7 ^h 4	6 ^h 13	15 ^h R29	15 ^h 26	13 ^h 45	29 ^h 2	T 8
F 9	23 12 10	16 ^h 18'16	1 ^h 14	24 ^h 19	7 ^h 37	23 ^h 25	24 ^h 21	11 ^h 52	22 ^h 59	7 ^h 5	6 ^h 15	15 ^h 29	15 ^h 23	13 ^h 52	28 ^h 59	F 9
S 10	23 16 7	17 ^h 16'34	14 ^h 6	26 ^h 4	8 ^h 51	23 ^h 59	24 ^h 25	11 ^h 51	23 ^h 3	7 ^h 7	6 ^h 17	15 ^h 29	15 ^h 20	13 ^h 58	28 ^h 56	S 10
S 11	23 20 3	18 ^h 14'54	26 ^h 39	27 ^h 49	10 ^h 4	24 ^h 32	24 ^h 29	11 ^h 50	23 ^h 6	7 ^h 8	6 ^h 19	15 ^h 29	15 ^h 16	14 ^h 5	28 ^h 54	S 11
M12	23 24 0	19 ^h 13'16	8 ^h 55	29 ^h 32	11 ^h 18	25 ^h 5	24 ^h 33	11 ^h 50	23 ^h 9	7 ^h 10	6 ^h 21	15 ^h 29	15 ^h 13	14 ^h 12	28 ^h 51	M12
T 13	23 27 56	20 ^h 11'40	20 ^h 58	1 ^h 15	12 ^h 32	25 ^h 38	24 ^h 37	11 ^h 50	23 ^h 13	7 ^h 12	6 ^h 23	15 ^h D29	15 ^h 10	14 ^h 18	28 ^h 48	T 13
W14	23 31 53	21 ^h 10'06	2 ^h 53	2 ^h 56	13 ^h 46	26 ^h 11	24 ^h 41	11 ^h 49	23 ^h 16	7 ^h 13	6 ^h 25	15 ^h 29	15 ^h 7	14 ^h 25	28 ^h 46	W14
T 15	23 35 49	22 ^h 8'35	14 ^h 45	4 ^h 36	14 ^h 59	26 ^h 44	24 ^h 46	11 ^h 49	23 ^h 20	7 ^h 15	6 ^h 27	15 ^h 29	15 ^h 4	14 ^h 32	28 ^h 43	T 15
F 16	23 39 46	23 ^h 7'05	26 ^h 38	6 ^h 15	16 ^h 13	27 ^h 16	24 ^h 50	11 ^h D49	23 ^h 23	7 ^h 17	6 ^h 29	15 ^h 30	15 ^h 1	14 ^h 39	28 ^h 40	F 16
S 17	23 43 43	24 ^h 5'38	8 ^h 36	7 ^h 53	17 ^h 27	27 ^h 49	24 ^h 55	11 ^h 49	23 ^h 26	7 ^h 18	6 ^h 31	15 ^h 31	14 ^h 57	14 ^h 45	28 ^h 38	S 17
S 18	23 47 39	25 ^h 4'12	20 ^h 43	9 ^h 30	18 ^h 41	28 ^h 20	25 ^h 0	11 ^h 49	23 ^h 30	7 ^h 20	6 ^h 33	15 ^h 32	14 ^h 54	14 ^h 52	28 ^h 35	S 18
M19	23 51 36	26 ^h 2'49	3 ^h 2	11 ^h 6	19 ^h 54	28 ^h 52	25 ^h 5	11 ^h 50	23 ^h 33	7 ^h 22	6 ^h 35	15 ^h 32	14 ^h 51	14 ^h 59	28 ^h 33	M19
T 20	23 55 32	27 ^h 1'28	15 ^h 35	12 ^h 41	21 ^h 8	29 ^h 24	25 ^h 11	11 ^h 50	23 ^h 36	7 ^h 24	6 ^h 37	15 ^h R33	14 ^h 48	15 ^h 5	28 ^h 30	T 20
W21	23 59 29	28 ^h 0'09	28 ^h 24	14 ^h 15	22 ^h 22	29 ^h 55	25 ^h 16	11 ^h 50	23 ^h 40	7 ^h 26	6 ^h 38	15 ^h 32	14 ^h 45	15 ^h 12	28 ^h 28	W21
T 22	0 3 25	28 ^h 58'51	11 ^h 28	15 ^h 48	23 ^h 36	0 ^h 26	25 ^h 22	11 ^h 51	23 ^h 43	7 ^h 27	6 ^h 40	15 ^h 31	14 ^h 42	15 ^h 19	28 ^h 25	T 22
F 23	0 7 22	29 ^h 57'36	24 ^h 47	17 ^h 20	24 ^h 49	0 ^h 56	25 ^h 28	11 ^h 52	23 ^h 46	7 ^h 29	6 ^h 42	15 ^h 30	14 ^h 38	15 ^h 25	28 ^h 23	F 23
S 24	0 11 18	0 ^h 56'22	8 ^h 20	18 ^h 51	26 ^h 3	1 ^h 27	25 ^h 34	11 ^h 52	23 ^h 49	7 ^h 31	6 ^h 44	15 ^h 28	14 ^h 35	15 ^h 32	28 ^h 20	S 24
S 25	0 15 15	1 ^h 55'11	22 ^h 5	20 ^h 21	27 ^h 17	1 ^h 57	25 ^h 40	11 ^h 53	23 ^h 52	7 ^h 33	6 ^h 46	15 ^h 26	14 ^h 32	15 ^h 39	28 ^h 18	S 25
M26	0 19 11	2 ^h 54'01	6 ^h 7	21 ^h 50	28 ^h 30	2 ^h 26	25 ^h 46	11 ^h 54	23 ^h 55	7 ^h 35	6 ^h 48	15 ^h 24	14 ^h 29	15 ^h 46	28 ^h 16	M26
T 27	0 23 8	3 ^h 52'53	20 ^h 3	23 ^h 18	29 ^h 44	2 ^h 56	25 ^h 53	11 ^h 55	23 ^h 59	7 ^h 37	6 ^h 50	15 ^h 22	14 ^h 26	15 ^h 52	28 ^h 14	T 27
W28	0 27 5	4 ^h 51'47	4 ^h 3	24 ^h 45	0 ^h 58	3 ^h 25	25 ^h 59	11 ^h 56	24 ^h 2	7 ^h 39	6 ^h 52	15 ^h D22	14 ^h 22	15 ^h 59	28 ^h 11	W28
T 29	0 31 1	5 ^h 50'42	18 ^h 24	26 ^h 11	2 ^h 11	3 ^h 54	26 ^h 6	11 ^h 58	24 ^h 5	7 ^h 41	6 ^h 54	15 ^h 22	14 ^h 19	16 ^h 6	28 ^h 9	T 29
F 30	0 34 58	6 ^h 49'39	2 ^h 39	27 ^h 36	3 ^h 25	4 ^h 22	26 ^h 13	11 ^h 35	24 ^h 8	7 ^h 43	6 ^h 55	15 ^h 23	14 ^h 16	16 ^h 12	28 ^h 7	F 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
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ASTRODIENST EPHEMERIS for the year 1960
geocentric

OCTOBER 1960

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 38 54	7♌48'38	16♋52	29♊ 0	4♏38	4♏51	26♊20	12♏ 0	24♏11	7♏45	6♏57	15♏25	14♏13	16♏19	28°R 5	S 1
S 2	0 42 51	8°47'38	1♏ 2	0♏23	5°52	5°19	26°27	12° 2	24°14	7°47	6°59	15°26	14°10	16°26	28° 3	S 2
M 3	0 46 47	9°46'41	15° 6	1°45	7° 6	5°46	26°34	12° 4	24°16	7°49	7° 1	15°R27	14° 7	16°32	28° 1	M 3
T 4	0 50 44	10°45'45	28°59	3° 6	8°19	6°13	26°42	12° 5	24°19	7°51	7° 3	15°26	14° 3	16°39	27°59	T 4
W 5	0 54 40	11°44'51	12°Y39	4°25	9°33	6°40	26°49	12° 7	24°22	7°53	7° 4	15°24	14° 0	16°46	27°57	W 5
T 6	0 58 37	12°43'59	26° 4	5°44	10°46	7° 7	26°57	12° 9	24°25	7°55	7° 6	15°21	13°57	16°53	27°55	T 6
F 7	1 2 34	13°43'09	9♊11	7° 1	12° 0	7°33	27° 5	12°11	24°28	7°57	7° 8	15°16	13°54	16°59	27°53	F 7
S 8	1 6 30	14°42'22	22° 0	8°16	13°13	7°59	27°13	12°13	24°30	7°59	7° 9	15°12	13°51	17° 6	27°52	S 8
S 9	1 10 27	15°41'37	4♏31	9°31	14°27	8°25	27°21	12°15	24°33	8° 1	7°11	15° 7	13°47	17°13	27°50	S 9
M10	1 14 23	16°40'54	16°47	10°43	15°40	8°50	27°29	12°18	24°36	8° 3	7°13	15° 2	13°44	17°19	27°48	M10
T 11	1 18 20	17°40'13	28°51	11°54	16°54	9°15	27°38	12°20	24°38	8° 5	7°14	14°59	13°41	17°26	27°47	T 11
W12	1 22 16	18°39'35	10♋46	13° 3	18° 7	9°39	27°46	12°22	24°41	8° 7	7°16	14°58	13°38	17°33	27°45	W12
T 13	1 26 13	19°38'59	22°38	14°11	19°21	10° 3	27°55	12°25	24°43	8°10	7°18	14°D57	13°35	17°39	27°44	T 13
F 14	1 30 9	20°38'25	4♏30	15°16	20°34	10°27	28° 4	12°28	24°46	8°12	7°19	14°58	13°32	17°46	27°42	F 14
S 15	1 34 6	21°37'54	16°29	16°18	21°47	10°50	28°13	12°30	24°48	8°14	7°21	15° 0	13°28	17°53	27°41	S 15
S 16	1 38 3	22°37'25	28°38	17°19	23° 1	11°13	28°22	12°33	24°51	8°16	7°22	15° 1	13°25	18° 0	27°39	S 16
M17	1 41 59	23°36'58	11♏ 3	18°16	24°14	11°35	28°31	12°36	24°53	8°18	7°24	15°R 2	13°22	18° 6	27°38	M17
T 18	1 45 56	24°36'33	23°46	19°11	25°27	11°57	28°40	12°39	24°55	8°21	7°25	15° 2	13°19	18°13	27°37	T 18
W19	1 49 52	25°36'11	6♌50	20° 2	26°41	12°18	28°50	12°42	24°58	8°23	7°27	15° 0	13°16	18°20	27°36	W19
T 20	1 53 49	26°35'50	20°14	20°49	27°54	12°39	28°59	12°46	25° 0	8°25	7°28	14°56	13°13	18°26	27°35	T 20
F 21	1 57 45	27°35'32	3♏59	21°33	29° 7	13° 0	29° 9	12°49	25° 2	8°27	7°30	14°50	13° 9	18°33	27°34	F 21
S 22	2 1 42	28°35'15	18° 0	22°11	0♊21	13°20	29°19	12°52	25° 4	8°29	7°31	14°43	13° 6	18°40	27°33	S 22
S 23	2 5 38	29°35'01	2♊13	22°45	1°34	13°39	29°28	12°56	25° 6	8°32	7°33	14°36	13° 3	18°46	27°32	S 23
M24	2 9 35	0♏34'48	16°33	23°14	2°47	13°58	29°38	12°59	25° 8	8°34	7°34	14°29	13° 0	18°53	27°31	M24
T 25	2 13 31	1°34'38	0♊55	23°36	4° 1	14°17	29°49	13° 3	25°10	8°36	7°35	14°24	12°57	19° 0	27°30	T 25
W26	2 17 28	2°34'28	15°14	23°52	5°14	14°35	29°59	13° 7	25°12	8°38	7°37	14°20	12°53	19° 7	27°29	W26
T 27	2 21 25	3°34'21	29°26	24° 0	6°27	14°52	0♊ 9	13°10	25°14	8°40	7°38	14°D19	12°50	19°13	27°28	T 27
F 28	2 25 21	4°34'15	13♋31	24°R 1	7°40	15° 9	0°19	13°14	25°16	8°43	7°39	14°19	12°47	19°20	27°28	F 28
S 29	2 29 18	5°34'11	27°27	23°53	8°53	15°25	0°30	13°18	25°18	8°45	7°41	14°20	12°44	19°27	27°27	S 29
S 30	2 33 14	6°34'08	11♏13	23°36	10° 6	15°41	0°41	13°22	25°20	8°47	7°42	14°R21	12°41	19°33	27°27	S 30
M31	2 37 11	7♏34'07	24♏50	23♏11	11♊20	15♋56	0♊51	13♋26	25°21	8♏49	7♏43	14♏20	12♏38	19♋40	27°26	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	3s 6	13s23	2n31	12s27	1s25	12s59	0n 6	23n30	0n 8	23s20	0n 4	22s39	0n15	14n 7	0n41	12s28
S 2	3 29	9 53	1 18	13 3	1 33	13 26	0 3	23 30	0 10	23 20	0 4	22 39	0 15	14 6	0 41	12 29
M 3	3 52	5 51	0 2	13 38	1 40	13 53	0 0	23 31	0 12	23 20	0 4	22 39	0 15	14 5	0 42	12 29
T 4	4 16	1 32	1s14	14 13	1 47	14 19	0s 3	23 31	0 13	23 21	0 4	22 39	0 14	14 4	0 42	12 30
W 5	4 39	2n47	2 24	14 47	1 53	14 46	0 6	23 31	0 15	23 21	0 3	22 39	0 14	14 3	0 42	12 31
T 6	5 2	6 53	3 25	15 19	2 0	15 12	0 9	23 32	0 17	23 21	0 3	22 39	0 14	14 2	0 42	12 31
F 7	5 25	10 33	4 13	15 51	2 7	15 37	0 11	23 32	0 18	23 21	0 3	22 39	0 14	14 1	0 42	12 32
S 8	5 48	13 38	4 47	16 22	2 13	16 2	0 14	23 32	0 20	23 22	0 3	22 39	0 14	14 1	0 42	12 33
S 9	6 11	16 1	5 7	16 52	2 19	16 27	0 17	23 32	0 22	23 22	0 3	22 39	0 14	14 0	0 42	12 33
M10	6 33	17 36	5 12	17 20	2 25	16 51	0 20	23 32	0 24	23 22	0 3	22 39	0 14	13 59	0 42	12 34
T 11	6 56	18 23	5 3	17 48	2 31	17 15	0 23	23 32	0 25	23 23	0 3	22 38	0 14	13 58	0 42	12 35
W12	7 19	18 20	4 41	18 14	2 36	17 39	0 26	23 33	0 27	23 23	0 3	22 38	0 14	13 57	0 42	12 35
T 13	7 41	17 28	4 8	18 40	2 41	18 2	0 29	23 33	0 29	23 23	0 2	22 38	0 14	13 56	0 42	12 36
F 14	8 4	15 51	3 23	19 4	2 46	18 24	0 32	23 33	0 31	23 23	0 2	22 38	0 13	13 56	0 42	12 37
S 15	8 26	13 31	2 29	19 26	2 50	18 46	0 35	23 33	0 33	23 24	0 2	22 38	0 13	13 55	0 42	12 38
S 16	8 48	10 34	1 28	19 47	2 54	19 8	0 38	23 33	0 35	23 24	0 2	22 38	0 13	13 54	0 42	12 38
M17	9 10	7 5	0 22	20 7	2 58	19 29	0 41	23 33	0 37	23 24	0 2	22 38	0 13	13 53	0 42	12 39
T 18	9 32	3 12	0n47	20 25	3 1	19 50	0 43	23 33	0 38	23 24	0 2	22 37	0 13	13 53	0 42	12 40
W19	9 54	0s57	1 56	20 42	3 3	20 10	0 46	23 33	0 40	23 24	0 2	22 37	0 13	13 52	0 42	12 40
T 20	10 16	5 9	2 59	20 56	3 5	20 30	0 49	23 33	0 42	23 25	0 2	22 37	0 13	13 51	0 42	12 41
F 21	10 37	9 11	3 54	21 9	3 7	20 49	0 52	23 33	0 44	23 25	0 2	22 37	0 13	13 50	0 42	12 42
S 22	10 58	12 47	4 36	21 20	3 7	21 7	0 55	23 33	0 47	23 25	0 1	22 37	0 13	13 50	0 42	12 43
S 23	11 20	15 41	5 1	21 28	3 7	21 25	0 58	23 33	0 49	23 25	0 1	22 36	0 13	13 49	0 42	12 43
M24	11 41	17 39	5 8	21 34	3 5	21 43	1 1	23 33	0 51	23 25	0 1	22 36	0 12	13 48	0 42	12 44
T 25	12 1	18 31	4 55	21 37	3 3	21 59	1 3	23 33	0 53	23 25	0 1	22 36	0 12	13 48	0 42	12 45
W26	12 22	18 11	4 25	21 38	2 59	22 16	1 6	23 33	0 55	23 25	0 1	22 36	0 12	13 47	0 42	12 45
T 27	12 43	16 43	3 38	21 36	2 55	22 31	1 9	23 34	0 57	23 26	0 1	22 35	0 12	13 47	0 42	12 46
F 28	13 3	14 14	2 38	21 30	2 49	22 46	1 12	23 34	0 59	23 26	0 1	22 35	0 12	13 46	0 42	12 47
S 29	13 23	10 57	1 30	21 21	2 41	23 1	1 14	23 34	1 2	23 26	0 1	22 35	0 12	13 45	0 42	12 48
S 30	13 43	7 6	0 17	21 8	2 32	23 14	1 17	23 35	1 4	23 26	0 1	22 34	0 12	13 45	0 42	12 48
M31	14s 2	2s55	0s56	20s51	2s22	23s27	1s20	23n35	1n 6	23s26	0n 1	22s34	0n12	13n44	0n43	12s49

Julian Day Number = 2437208.5, Delta T = 33.48 sec
Ecliptic obliquity = 23°26'31, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 24°11'31, Lahiri = 23°18'32

ASTRODIENST EPHEMERIS for the year 1960

geocentric

NOVEMBER 1960

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 41 7	8♈34°08	8♈17	22°R35	12♈33	16♈11	1♉2	13♈30	25♈23	8♈52	7♈44	14°R18	12♈34	19♈47	27°R26	T 1
W 2	2 45 4	9°34'10	21°33	21♈50	13°46	16°25	1°13	13°35	25°25	8°54	7°45	14♈13	12°31	19°53	27°R25	W 2
T 3	2 49 0	10°34'14	4♉38	20°56	14°59	16°38	1°24	13°39	25°26	8°56	7°47	14°5	12°28	20°0	27°25	T 3
F 4	2 52 57	11°34'20	17°30	19°54	16°12	16°51	1°35	13°44	25°28	8°58	7°48	13°55	12°25	20°7	27°25	F 4
S 5	2 56 54	12°34'28	0♈8	18°45	17°25	17°3	1°46	13°48	25°29	9°1	7°49	13°44	12°22	20°13	27°25	S 5
S 6	3 0 50	13°34'38	12°33	17°30	18°38	17°14	1°57	13°53	25°31	9°3	7°50	13°33	12°18	20°20	27°25	S 6
M 7	3 4 47	14°34'49	24°45	16°12	19°51	17°25	2°9	13°57	25°32	9°5	7°51	13°23	12°15	20°27	27°D25	M 7
T 8	3 8 43	15°35'03	6♉47	14°52	21°3	17°35	2°20	14°2	25°33	9°7	7°52	13°14	12°12	20°34	27°25	T 8
W 9	3 12 40	16°35'19	18°40	13°34	22°16	17°45	2°32	14°7	25°35	9°10	7°53	13°7	12°9	20°40	27°25	W 9
T 10	3 16 36	17°35'36	0♈30	12°21	23°29	17°53	2°43	14°12	25°36	9°12	7°54	13°3	12°6	20°47	27°25	T 10
F 11	3 20 33	18°35'56	12°20	11°13	24°42	18°1	2°55	14°17	25°37	9°14	7°55	13°2	12°3	20°54	27°25	F 11
S 12	3 24 29	19°36'18	24°16	10°14	25°55	18°9	3°7	14°22	25°38	9°16	7°56	13°D 2	11°59	21°0	27°25	S 12
S 13	3 28 26	20°36'41	6♈24	9°24	27°7	18°15	3°19	14°27	25°39	9°19	7°56	13°R 2	11°56	21°7	27°26	S 13
M14	3 32 23	21°37'06	18°48	8°46	28°20	18°21	3°31	14°32	25°40	9°21	7°57	13°2	11°53	21°14	27°26	M14
T 15	3 36 19	22°37'34	1♈33	8°19	29°33	18°26	3°43	14°37	25°41	9°23	7°58	13°1	11°50	21°20	27°27	T 15
W16	3 40 16	23°38'03	14°43	8°4	0♈46	18°30	3°55	14°42	25°42	9°25	7°59	12°57	11°47	21°27	27°27	W16
T 17	3 44 12	24°38'33	28°20	8°D 1	1°58	18°34	4°7	14°47	25°43	9°27	8°0	12°50	11°44	21°34	27°28	T 17
F 18	3 48 9	25°39'06	12♈23	8°8	3°11	18°36	4°19	14°53	25°43	9°30	8°0	12°41	11°40	21°40	27°28	F 18
S 19	3 52 5	26°39'40	26°47	8°26	4°23	18°38	4°31	14°58	25°44	9°32	8°1	12°30	11°37	21°47	27°29	S 19
S 20	3 56 2	27°40'16	11♈28	8°53	5°36	18°39	4°44	15°4	25°45	9°34	8°2	12°18	11°34	21°54	27°30	S 20
M21	3 59 58	28°40'53	26°17	9°29	6°48	18°R39	4°56	15°9	25°45	9°36	8°2	12°7	11°31	22°1	27°31	M21
T 22	4 3 55	29°41'32	11♈4	10°12	8°1	18°39	5°9	15°15	25°46	9°38	8°3	11°58	11°28	22°7	27°31	T 22
W23	4 7 52	0♈42'12	25°43	11°2	9°13	18°37	5°21	15°21	25°46	9°40	8°3	11°51	11°24	22°14	27°32	W23
T 24	4 11 48	1°42'53	10♈9	11°58	10°25	18°35	5°34	15°26	25°47	9°42	8°4	11°48	11°21	22°21	27°33	T 24
F 25	4 15 45	2°43'35	24°18	13°0	11°38	18°31	5°46	15°32	25°47	9°45	8°4	11°46	11°18	22°27	27°34	F 25
S 26	4 19 41	3°44'18	8♈9	14°5	12°50	18°27	5°59	15°38	25°48	9°47	8°5	11°46	11°15	22°34	27°36	S 26
S 27	4 23 38	4°45'02	21°44	15°15	14°2	18°23	6°12	15°44	25°48	9°49	8°5	11°46	11°12	22°41	27°37	S 27
M28	4 27 34	5°45'47	5♈3	16°28	15°14	18°17	6°25	15°50	25°48	9°51	8°6	11°45	11°9	22°47	27°38	M28
T 29	4 31 31	6°46'33	18°10	17°44	16°26	18°10	6°38	15°56	25°48	9°53	8°6	11°40	11°5	22°54	27°39	T 29
W30	4 35 27	7°47'20	1♈4	19°11	17°38	18°3	6°51	16°3	25°48	9°55	8°6	11°33	11°2	23°1	27°41	W30

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
T 1	14s22	1n22	2s 5	20s30	2s 9	23s40	1s22	23n36	1n 8	23s26	0n 0	22s34	0n12	13n44	0n43	12s50	1n43	20n 9	12n26	6n11	6n51	17n55	6s42	6n 1	
W 2	14 41	5 32	3 6	20 5	1 55	23 52	1 25	23 36	1 11	23 26	0 0	22 33	0 12	13 43	0 43	12 50	1 43	20 9	12 26	6 13	6 52	17 55	6 43	6 1	
T 3	15 0	9 22	3 56	19 35	1 39	24 3	1 27	23 37	1 13	23 26	0 0	22 33	0 12	13 43	0 43	12 51	1 43	20 9	12 26	6 16	6 53	17 55	6 43	6 0	
F 4	15 18	12 41	4 33	19 2	1 22	24 13	1 30	23 38	1 16	23 26	0 0	22 33	0 11	13 42	0 43	12 52	1 43	20 9	12 27	6 20	6 54	17 54	6 44	6 0	
S 5	15 37	15 22	4 55	18 25	1 3	24 23	1 32	23 39	1 18	23 26	0 0	22 32	0 11	13 42	0 43	12 53	1 43	20 9	12 27	6 24	6 55	17 54	6 44	6 0	
S 6	15 55	17 17	5 4	17 45	0 44	24 32	1 35	23 40	1 21	23 26	0s 0	22 32	0 11	13 41	0 43	12 53	1 43	20 9	12 28	6 28	6 57	17 53	6 45	5 59	
M 7	16 13	18 23	4 58	17 3	0 23	24 40	1 37	23 41	1 23	23 26	0 0	22 32	0 11	13 41	0 43	12 54	1 43	20 9	12 28	6 32	6 58	17 53	6 45	5 59	
T 8	16 31	18 38	4 39	16 20	0 3	24 47	1 39	23 42	1 26	23 26	0 0	22 31	0 11	13 41	0 43	12 55	1 43	20 9	12 28	6 35	6 59	17 52	6 45	5 58	
W 9	16 48	18 3	4 8	15 38	0n18	24 54	1 41	23 43	1 28	23 25	0 0	22 31	0 11	13 40	0 43	12 55	1 43	20 9	12 29	6 38	7 0	17 52	6 46	5 58	
T 10	17 5	16 41	3 26	14 57	0 38	25 0	1 44	23 45	1 31	23 25	0 1	22 30	0 11	13 40	0 43	12 56	1 43	20 9	12 29	6 39	7 1	17 52	6 46	5 58	
F 11	17 22	14 36	2 36	14 18	0 57	25 6	1 46	23 46	1 33	23 25	0 1	22 30	0 11	13 39	0 43	12 57	1 43	20 9	12 30	6 40	7 3	17 51	6 46	5 57	
S 12	17 38	11 53	1 38	13 43	1 14	25 10	1 48	23 48	1 36	23 25	0 1	22 29	0 11	13 39	0 43	12 57	1 43	20 9	12 30	6 40	7 4	17 51	6 47	5 57	
S 13	17 54	8 37	0 35	13 13	1 29	25 14	1 50	23 50	1 39	23 25	0 1	22 29	0 11	13 39	0 43	12 58	1 43	20 9	12 31	6 40	7 5	17 50	6 47	5 56	
M14	18 10	4 54	0n31	12 48	1 43	25 18	1 52	23 51	1 41	23 25	0 1	22 28	0 11	13 39	0 43	12 59	1 43	20 9	12 31	6 40	7 6	17 50	6 47	5 56	
T 15	18 26	0 52	1 37	12 28	1 55	25 20	1 54	23 53	1 44	23 24	0 1	22 28	0 10	13 38	0 43	12 59	1 43	20 10	12 31	6 41	7 8	17 49	6 47	5 56	
W16	18 41	3s21	2 40	12 14	2 5	25 22	1 55	23 56	1 47	23 24	0 1	22 28	0 10	13 38	0 43	13 0	1 43	20 10	12 32	6 42	7 9	17 49	6 48	5 55	
T 17	18 56	7 31	3 36	12 5	2 13	25 23	1 57	23 58	1 49	23 24	0 1	22 27	0 10	13 38	0 43	13 1	1 43	20 10	12 32	6 45	7 10	17 48	6 48	5 55	
F 18	19 10	11 25	4 21	12 2	2 19	25 23	1 59	24 0	1 52	23 24	0 1	22 27	0 10	13 38	0 43	13 2	1 43	20 10	12 33	6 48	7 11	17 48	6 48	5 54	
S 19	19 25	14 44	4 50	12 4	2 23	25 22	2 0	24 3	1 55	23 23	0 1	22 26	0 10	13 37	0 43	13 2	1 43	20 10	12 33	6 52	7 12	17 47	6 48	5 54	
S 20	19 39	17 11	5 1	12 10	2 25	25 21	2 2	24 5	1 58	23 23	0 1	22 25	0 10	13 37	0 43	13 3	1 43	20 10	12 34	6 57	7 14	17 47	6 48	5 53	
M21	19 52	18 31	4 52	12 20	2 27	25 19	2 3	24 8	2 1	23 23	0 2	22 25	0 10	13 37	0 43	13 4	1 43	20 10	12 34	7 1	7 15	17 47	6 48	5 53	
T 22	20 5	18 36	4 24	12 33	2 27	25 16	2 5	24 11	2 4	23 22	0 2	22 24	0 10	13 37	0 43	13 4	1 43	20 11	12 34	7 4	7 16	17 46	6 48	5 53	
W23	20 18	17 26	3 38	12 50	2 26	25 13	2 6	24 14	2 7	23 22	0 2	22 24	0 10	13 37	0 44	13 5	1 43	20 11	12 35	7 7	7 17	17 46	6 49	5 52	
T 24	20 30	15 9	2 39	13 9	2 24	25 9	2 7	24 17	2 9	23 21	0 2	22 23	0 10	13 37	0 44	13 5	1 43	20 11	12 35	7 8	7 18	17 45	6 49	5 52	
F 25	20 42	12 0	1 31	13 30	2 21	25 4	2 8	24 21	2 12	23 21	0 2	22 23	0 10	13 37	0 44	13 6	1 43	20 11	12 36	7 9	7 20	17 45	6 49	5 51	
S 26	20 54	8 13	0 19	13 53	2 17	24 58	2 9	24 24	2 15	23 20	0 2	22 22	0 10	13 36	0 44	13 7	1 43	20 11	12 36	7 9	7 21	17 44	6 49	5 51	
S 27	21 5	4 5	0s52	14 18	2 13	24 52	2 10	24 28	2 18	23 20	0 2	22 21	0 9	13 36	0 44	13 7	1 43	20 12	12 37	7 9	7 22	17 44	6 49	5 51	
M28	21 16	0n11	2 0	14 43	2 8	24 45	2 11	24 31	2 21	23 19	0 2	22 21	0 9	13 36	0 44	13 8	1 43	20 12	12 37	7 10	7 23	17 43	6 49	5 50	
T 29	21 27	4 21	2 59	15 10	2 2	24 37	2 12	24 35	2 24	23 19	0 2	22 20	0 9	13 36	0 44	13 9	1 43	20 12	12 38	7 11	7 24	17 43	6 48	5 50	
W30	21s37	8n16	3s49	15s37	1n57	24s28	2s13	24n39	2n27	23s18	0s 2	22s20	0n 9	13n36	0n44	13s 9	1n43	20n12	12n38	7n14	7n26	17n42	6s48	5n49	

ASTRODIENST EPHEMERIS for the year 1960

geocentric

DECEMBER 1960

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	4 39 24	8°48'08	13°48	20°23	18°50	17°R54	7°34	16°38	25°R48	9°M57	8°7	11°R23	10°M59	23°57	27°42	T 1
F 2	4 43 21	9°48'57	26°22	21°45	20°2	17°545	7°17	16°14	25°Q48	9°59	8°7	11°M11	10°56	23°14	27°44	F 2
S 3	4 47 17	10°49'47	8°II45	23°9	21°14	17°35	7°30	16°20	25°48	10°1	8°7	10°56	10°53	23°21	27°45	S 3
S 4	4 51 14	11°50'39	21°0	24°34	22°26	17°24	7°43	16°27	25°48	10°3	8°7	10°42	10°50	23°28	27°47	S 4
M 5	4 55 10	12°51'31	3°5	26°0	23°37	17°13	7°56	16°33	25°48	10°5	8°8	10°28	10°46	23°34	27°48	M 5
T 6	4 59 7	13°52'25	15°1	27°27	24°49	17°0	8°9	16°39	25°48	10°7	8°8	10°16	10°43	23°41	27°50	T 6
W 7	5 3 3	14°53'20	26°53	28°55	26°0	16°47	8°23	16°46	25°47	10°9	8°8	10°6	10°40	23°48	27°52	W 7
T 8	5 7 0	15°54'16	8°Q41	0°24	27°12	16°33	8°36	16°52	25°47	10°11	8°8	10°0	10°37	23°54	27°54	T 8
F 9	5 10 56	16°55'13	20°29	1°53	28°23	16°18	8°49	16°58	25°47	10°13	8°8	9°57	10°34	24°1	27°55	F 9
S 10	5 14 53	17°56'11	2°M23	3°23	29°35	16°2	9°3	17°5	25°46	10°15	8°R8	9°55	10°30	24°8	27°57	S 10
S 11	5 18 50	18°57'10	14°27	4°53	0°46	15°46	9°16	17°11	25°46	10°16	8°8	9°55	10°27	24°14	27°59	S 11
M12	5 22 46	19°58'11	26°47	6°24	1°57	15°29	9°30	17°18	25°45	10°18	8°8	9°55	10°24	24°21	28°1	M12
T 13	5 26 43	20°59'12	9°Q28	7°55	3°8	15°11	9°43	17°25	25°44	10°20	8°8	9°54	10°21	24°28	28°3	T 13
W14	5 30 39	22°0'15	22°34	9°26	4°19	14°52	9°57	17°31	25°44	10°22	8°8	9°50	10°18	24°34	28°6	W14
T 15	5 34 36	23°1'18	6°M10	10°57	5°30	14°33	10°11	17°38	25°43	10°24	8°8	9°44	10°15	24°41	28°8	T 15
F 16	5 38 32	24°2'23	20°16	12°29	6°41	14°13	10°24	17°45	25°42	10°25	8°7	9°36	10°11	24°48	28°10	F 16
S 17	5 42 29	25°3'29	4°Q50	14°1	7°51	13°53	10°38	17°51	25°41	10°27	8°7	9°25	10°8	24°54	28°12	S 17
S 18	5 46 25	26°4'35	19°45	15°33	9°2	13°32	10°52	17°58	25°41	10°29	8°7	9°14	10°5	25°1	28°15	S 18
M19	5 50 22	27°5'42	4°Q53	17°5	10°12	13°10	11°5	18°5	25°40	10°31	8°7	9°3	10°2	25°8	28°17	M19
T 20	5 54 19	28°6'49	20°4	18°38	11°23	12°48	11°19	18°12	25°39	10°32	8°6	8°54	9°59	25°14	28°20	T 20
W21	5 58 15	29°7'57	5°Q7	20°11	12°33	12°26	11°33	18°18	25°38	10°34	8°6	8°47	9°56	25°21	28°22	W21
T 22	6 2 12	0°9'05	19°53	21°43	13°43	12°4	11°47	18°25	25°36	10°35	8°6	8°43	9°52	25°28	28°25	T 22
F 23	6 6 8	1°10'14	4°Q17	23°17	14°53	11°41	12°0	18°32	25°35	10°37	8°5	8°D42	9°49	25°35	28°27	F 23
S 24	6 10 5	2°11'22	18°18	24°50	16°3	11°17	12°14	18°39	25°34	10°39	8°5	8°42	9°46	25°41	28°30	S 24
S 25	6 14 1	3°12'30	1°Q55	26°23	17°13	10°54	12°28	18°46	25°33	10°40	8°5	8°R42	9°43	25°48	28°32	S 25
M26	6 17 58	4°13'39	15°11	27°57	18°22	10°30	12°42	18°53	25°32	10°42	8°4	8°42	9°40	25°55	28°35	M26
T 27	6 21 54	5°14'47	28°8	29°31	19°32	10°6	12°56	19°0	25°30	10°43	8°4	8°39	9°36	26°1	28°38	T 27
W28	6 25 51	6°15'56	10°Q49	1°Q5	20°41	9°43	13°10	19°7	25°29	10°45	8°3	8°34	9°33	26°8	28°41	W28
T 29	6 29 48	7°17'04	23°18	2°40	21°50	9°19	13°24	19°14	25°27	10°46	8°2	8°26	9°30	26°15	28°44	T 29
F 30	6 33 44	8°18'13	5°II37	4°15	22°59	8°55	13°38	19°21	25°26	10°47	8°2	8°16	9°27	26°21	28°47	F 30
S 31	6 37 41	9°19'21	17°II46	5°Q50	24°8	8°531	13°Q51	19°Q28	25°Q24	10°M49	8°M1	8°M5	9°M24	26°Q28	28°Q49	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	21s46	11n45	4s26	16s4	1n50	24s19	2s13	24n43	2n30	23s18	0s3	22s19	0n9	13n36	0n44	13s10
F 2	21 55	14 39	4 50	16 32	1 44	24 9	2 14	24 47	2 33	23 17	0 3	22 18	0 9	13 36	0 44	13 10
S 3	22 4	16 50	4 59	17 0	1 37	23 58	2 14	24 52	2 36	23 16	0 3	22 18	0 9	13 37	0 44	13 11
S 4	22 13	18 14	4 55	17 27	1 30	23 47	2 15	24 56	2 39	23 16	0 3	22 17	0 9	13 37	0 44	13 12
M 5	22 21	18 47	4 37	17 54	1 23	23 35	2 15	25 0	2 42	23 15	0 3	22 16	0 9	13 37	0 44	13 12
T 6	22 28	18 30	4 7	18 21	1 16	23 23	2 15	25 5	2 45	23 14	0 3	22 16	0 9	13 37	0 44	13 13
W 7	22 35	17 24	3 27	18 48	1 9	23 9	2 15	25 9	2 48	23 14	0 3	22 15	0 9	13 37	0 44	13 13
T 8	22 42	15 34	2 37	19 14	1 2	22 55	2 15	25 14	2 50	23 13	0 3	22 14	0 9	13 37	0 44	13 14
F 9	22 48	13 4	1 41	19 39	0 54	22 41	2 15	25 19	2 53	23 12	0 3	22 13	0 8	13 37	0 44	13 15
S 10	22 54	10 0	0 40	20 4	0 47	22 26	2 14	25 23	2 56	23 11	0 3	22 13	0 8	13 38	0 44	13 15
S 11	22 59	6 30	0n24	20 28	0 40	22 10	2 14	25 28	2 59	23 11	0 3	22 12	0 8	13 38	0 44	13 16
M12	23 4	2 38	1 28	20 51	0 32	21 54	2 13	25 33	3 2	23 10	0 4	22 11	0 8	13 38	0 44	13 16
T 13	23 8	1s27	2 30	21 13	0 25	21 37	2 13	25 38	3 4	23 9	0 4	22 10	0 8	13 38	0 44	13 17
W14	23 12	5 36	3 26	21 35	0 18	21 19	2 12	25 43	3 7	23 8	0 4	22 10	0 8	13 39	0 44	13 17
T 15	23 15	9 37	4 12	21 55	0 10	21 1	2 11	25 47	3 10	23 7	0 4	22 9	0 8	13 39	0 44	13 18
F 16	23 18	13 14	4 45	22 15	0 3	20 42	2 10	25 52	3 12	23 6	0 4	22 8	0 8	13 39	0 45	13 18
S 17	23 21	16 10	5 1	22 33	0s4	20 23	2 9	25 57	3 15	23 5	0 4	22 7	0 8	13 39	0 45	13 19
S 18	23 23	18 7	4 57	22 50	0 11	20 3	2 8	26 1	3 17	23 4	0 4	22 6	0 8	13 40	0 45	13 19
M19	23 25	18 49	4 32	23 7	0 18	19 43	2 7	26 6	3 19	23 3	0 4	22 6	0 8	13 40	0 45	13 20
T 20	23 26	18 11	3 48	23 22	0 24	19 22	2 5	26 10	3 22	23 2	0 4	22 5	0 8	13 40	0 45	13 20
W21	23 26	16 16	2 48	23 36	0 31	19 1	2 4	26 15	3 24	23 1	0 4	22 4	0 8	13 41	0 45	13 21
T 22	23 27	13 18	1 38	23 48	0 38	18 40	2 2	26 19	3 26	23 0	0 5	22 3	0 7	13 41	0 45	13 21
F 23	23 26	9 34	0 23	24 0	0 44	18 17	2 0	26 23	3 28	22 59	0 5	22 2	0 7	13 42	0 45	13 22
S 24	23 25	5 24	0s51	24 10	0 50	17 55	1 59	26 27	3 30	22 57	0 5	22 1	0 7	13 42	0 45	13 22
S 25	23 24	1 5	2 0	24 20	0 56	17 32	1 57	26 31	3 32	22 56	0 5	22 0	0 7	13 43	0 45	13 22
M26	23 22	3n11	3 2	24 27	1 2	17 8	1 54	26 35	3 34	22 55	0 5	22 0	0 7	13 43	0 45	13 23
T 27	23 20	7 12	3 52	24 34	1 8	16 44	1 52	26 38	3 35	22 54	0 5	21 59	0 7	13 44	0 45	13 23
W28	23 18	10 48	4 29	24 39	1 13	16 20	1 50	26 42	3 37	22 52	0 5	21 58	0 7	13 44	0 45	13 24
T 29	23 14	13 52	4 53	24 43	1 18	15 55	1 47	26 45	3 39	22 51	0 5	21 57	0 7	13 45	0 45	13 24
F 30	23 11	16 16	5 4	24 46	1 23	15 30	1 45	26 48	3 40	22 50	0 5	21 56	0 7	13 45	0 45	13 24
S 31	23s7	17n54	5s0	24s47	1s28	15s5	1s42	26n51	3n41	22s49	0s5	21s55	0n7	13n46	0n45	13s25

Julian Day Number = 2437269.5, Delta T = 33.55 sec
 Ecliptic obliquity = 23°26'31", Nutation = - 0°00'07", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 24°11'40, Lahiri = 23°18'40