



Astrodienst Ephemeris Tables for the year 1947

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 1947

geocentric

JANUARY 1947

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	6 39 13	9°34'49	15°43	26°51	26°30	11°3 4	20°22	7°R23	18°R57	10°46	12°R53	11°D24	10°II 9	26°41	6°13	W 1
T 2	6 43 9	10°44'58	29°22	28°22	27°13	11°50	20°32	7°19	18°II55	10°46	12°52	11°II25	10° 6	26°47	6°18	T 2
F 3	6 47 6	11°46'07	13°826	29°53	27°57	12°36	20°43	7°15	18°53	10°47	12°51	11°26	10° 2	26°54	6°24	F 3
S 4	6 51 2	12°47'16	27°54	1°325	28°42	13°22	20°53	7°11	18°50	10°47	12°50	11°27	9°59	27° 1	6°29	S 4
S 5	6 54 59	13°48'24	12°II43	2°57	29°27	14° 8	21° 3	7° 6	18°48	10°47	12°49	11°R28	9°56	27° 7	6°34	S 5
M 6	6 58 55	14°49'33	27°49	4°30	0°X14	14°54	21°14	7° 2	18°46	10°48	12°48	11°27	9°53	27°14	6°39	M 6
T 7	7 2 52	15°50'41	13°8 1	6° 3	1° 2	15°40	21°24	6°58	18°44	10°48	12°46	11°24	9°50	27°21	6°44	T 7
W 8	7 6 48	16°51'49	28°11	7°36	1°50	16°26	21°34	6°53	18°41	10°48	12°45	11°20	9°47	27°27	6°49	W 8
T 9	7 10 45	17°52'56	13°9 9	9°10	2°40	17°13	21°44	6°49	18°39	10°48	12°44	11°15	9°43	27°34	6°54	T 9
F 10	7 14 42	18°54'04	27°46	10°44	3°30	17°59	21°53	6°44	18°37	10°48	12°43	11° 9	9°40	27°41	6°59	F 10
S 11	7 18 38	19°55'11	11°56	12°19	4°21	18°45	22° 3	6°40	18°35	10°48	12°41	11° 3	9°37	27°47	7° 4	S 11
S 12	7 22 35	20°56'19	25°36	13°54	5°13	19°32	22°13	6°35	18°33	10°48	12°40	10°59	9°34	27°54	7° 8	S 12
M13	7 26 31	21°57'26	8°48	15°30	6° 6	20°18	22°22	6°31	18°31	10°R48	12°39	10°56	9°31	28° 0	7°13	M13
T14	7 30 28	22°58'33	21°34	17° 6	6°59	21° 4	22°32	6°26	18°29	10°48	12°38	10°D55	9°27	28° 7	7°17	T14
W15	7 34 24	23°59'40	3°58	18°42	7°53	21°51	22°41	6°21	18°27	10°48	12°36	10°55	9°24	28°14	7°21	W15
T16	7 38 21	25° 0'47	16° 5	20°19	8°47	22°37	22°50	6°16	18°25	10°48	12°35	10°57	9°21	28°20	7°25	T16
F17	7 42 17	26° 1'54	28° 0	21°57	9°42	23°24	22°59	6°12	18°23	10°48	12°34	10°58	9°18	28°27	7°29	F17
S18	7 46 14	27° 3'01	9°48	23°35	10°38	24°10	23° 8	6° 7	18°21	10°48	12°32	10°R59	9°15	28°34	7°33	S18
S19	7 50 11	28° 4'07	21°34	25°13	11°34	24°57	23°17	6° 2	18°20	10°48	12°31	10°58	9°12	28°40	7°37	S19
M20	7 54 7	29° 5'13	3°31	26°52	12°31	25°44	23°26	5°57	18°18	10°47	12°30	10°56	9° 8	28°47	7°41	M20
T21	7 58 4	0°5'18	15°13	28°32	13°29	26°30	23°34	5°52	18°16	10°47	12°28	10°50	9° 5	28°54	7°44	T21
W22	8 2 0	1° 7'23	27°11	0°12	14°27	27°17	23°43	5°47	18°14	10°47	12°27	10°43	9° 2	29° 0	7°48	W22
T23	8 5 57	2° 8'27	9°17	1°53	15°25	28° 4	23°51	5°42	18°13	10°47	12°25	10°33	8°59	29° 7	7°51	T23
F24	8 9 53	3° 9'30	21°32	3°34	16°24	28°50	23°59	5°37	18°11	10°46	12°24	10°23	8°56	29°14	7°55	F24
S25	8 13 50	4°10'32	3°58	5°16	17°23	29°37	24° 7	5°32	18°10	10°46	12°23	10°12	8°53	29°20	7°58	S25
S26	8 17 46	5°11'33	16°34	6°59	18°23	0°24	24°15	5°28	18° 8	10°45	12°21	10° 3	8°49	29°27	8° 1	S26
M27	8 21 43	6°12'33	29°22	8°42	19°23	1°11	24°23	5°23	18° 7	10°45	12°20	9°55	8°46	29°34	8° 4	M27
T28	8 25 40	7°13'32	12°Y23	10°26	20°24	1°58	24°31	5°18	18° 5	10°44	12°18	9°50	8°43	29°40	8° 7	T28
W29	8 29 36	8°14'30	25°39	12°10	21°25	2°44	24°38	5°13	18° 4	10°44	12°17	9°47	8°40	29°47	8° 9	W29
T30	8 33 33	9°15'27	9°12	13°55	22°26	3°31	24°46	5° 8	18° 2	10°43	12°16	9°D46	8°37	29°54	8°12	T30
F31	8 37 29	10°16'23	23°8 2	15°41	23°28	4°18	24°53	5° 3	18°II 1	10°43	12°14	9°II46	8°II33	0°3 0	8°15	F31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
W 1	23s 5	2n11	4s20	23s51	0s27	15s30	3n59	23s51	0s52	16s53	1n 0	18n57	0n32	23n 5	0n 5	W 1
T 2	23 1	7 58	3 31	23 59	0 33	15 38	4 1	23 48	0 53	16 56	1 0	18 58	0 33	23 4	0 5	T 2
F 3	22 56	13 32	2 28	24 7	0 40	15 46	4 3	23 44	0 53	16 59	1 0	19 0	0 33	23 4	0 5	F 3
S 4	22 50	18 30	1 14	24 13	0 46	15 54	4 4	23 40	0 54	17 1	1 0	19 1	0 33	23 4	0 5	S 4
S 5	22 44	22 27	0n 7	24 17	0 52	16 3	4 5	23 35	0 54	17 4	1 0	19 2	0 33	23 4	0 5	S 5
M 6	22 37	24 54	1 28	24 21	0 58	16 12	4 6	23 31	0 54	17 6	1 0	19 3	0 33	23 4	0 5	M 6
T 7	22 30	25 32	2 44	24 23	1 4	16 21	4 7	23 26	0 55	17 9	1 0	19 4	0 33	23 3	0 5	T 7
W 8	22 23	24 15	3 48	24 24	1 10	16 30	4 7	23 21	0 55	17 11	1 0	19 6	0 33	23 3	0 5	W 8
T 9	22 15	21 16	4 35	24 23	1 15	16 39	4 7	23 15	0 55	17 14	1 0	19 7	0 33	23 3	0 5	T 9
F 10	22 7	16 59	5 3	24 21	1 21	16 49	4 7	23 10	0 56	17 16	1 0	19 8	0 34	23 3	0 5	F 10
S 11	21 58	11 53	5 11	24 18	1 26	16 58	4 7	23 4	0 56	17 19	1 0	19 9	0 34	23 3	0 5	S 11
S 12	21 49	6 21	5 1	24 13	1 30	17 8	4 7	22 57	0 56	17 21	1 1	19 11	0 34	23 3	0 5	S 12
M13	21 39	0 44	4 35	24 7	1 35	17 17	4 6	22 51	0 57	17 24	1 1	19 12	0 34	23 2	0 5	M13
T14	21 29	4s45	3 56	23 59	1 39	17 27	4 5	22 44	0 57	17 26	1 1	19 13	0 34	23 2	0 5	T14
W15	21 19	9 54	3 7	23 50	1 43	17 37	4 4	22 37	0 57	17 28	1 1	19 15	0 34	23 2	0 5	W15
T16	21 8	14 34	2 11	23 40	1 47	17 46	4 3	22 30	0 58	17 30	1 1	19 16	0 34	23 2	0 5	T16
F17	20 57	18 35	1 10	23 28	1 50	17 56	4 2	22 22	0 58	17 32	1 1	19 17	0 34	23 2	0 5	F17
S18	20 45	21 49	0 6	23 15	1 53	18 5	4 0	22 15	0 58	17 35	1 1	19 19	0 35	23 2	0 5	S18
S19	20 33	24 8	0s57	23 0	1 56	18 14	3 59	22 7	0 59	17 37	1 1	19 20	0 35	23 1	0 5	S19
M20	20 21	25 22	1 58	22 43	1 58	18 23	3 57	21 58	0 59	17 39	1 1	19 21	0 35	23 1	0 5	M20
T21	20 8	25 28	2 54	22 25	2 0	18 32	3 55	21 50	0 59	17 41	1 1	19 23	0 35	23 1	0 5	T21
W22	19 55	24 22	3 43	22 6	2 2	18 41	3 53	21 41	1 0	17 43	1 1	19 24	0 35	23 1	0 5	W22
T23	19 41	22 8	4 22	21 45	2 3	18 50	3 51	21 32	1 0	17 45	1 2	19 25	0 35	23 1	0 5	T23
F24	19 27	18 53	4 49	21 23	2 4	18 58	3 48	21 23	1 0	17 47	1 2	19 26	0 35	23 1	0 5	F24
S25	19 13	14 46	5 4	20 59	2 5	19 6	3 46	21 13	1 0	17 49	1 2	19 28	0 35	23 1	0 5	S25
S26	18 59	9 58	5 3	20 33	2 5	19 14	3 43	21 4	1 1	17 50	1 2	19 29	0 35	23 0	0 5	S26
M27	18 44	4 39	4 48	20 6	2 5	19 22	3 40	20 54	1 1	17 52	1 2	19 30	0 36	23 0	0 5	M27
T28	18 28	0n56	4 18	19 37	2 4	19 29	3 38	20 43	1 1	17 54	1 2	19 32	0 36	23 0	0 5	T28
W29	18 13	6 36	3 33	19 7	2 3	19 36	3 35	20 33	1 1	17 56	1 2	19 33	0 36	23 0	0 5	W29
T30	17 57	12 6	2 36	18 35	2 1	19 43	3 32	20 22	1 2	17 57	1 2	19 34	0 36	23 0	0 5	T30
F31	17s40	17n 7	1s28	18s 2	1s59	19s49	3n28	20s11	1s 2	17s59	1n 2	19n36	0n36	23n 0	0n 5	F31

Julian Day Number = 2432186.5, Delta T = 27.89 sec
 Ecliptic obliquity = 23°26'49, Nutation = - 0°00'16, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 24°00'00, Lahiri = 23°07'01

ASTRODIENST EPHEMERIS for the year 1947

geocentric

FEBRUARY 1947

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	8 41 26	11≈17'17	7Ⅱ12	17≈27	24≈30	5≈ 5	25Ⅲ 0	4°R58	18°R 0	10°R42	12°R13	9°R47	8Ⅱ30	0☾ 7	8Ⅲ17	S 1
S 2	8 45 22	12°18'10	21°40	19°13	25°32	5°52	25° 7	4♌53	17Ⅱ59	10♋41	12♏11	9Ⅱ46	8°27	0°14	8°19	S 2
M 3	8 49 19	13°19'01	6♌23	20°59	26°35	6°39	25°14	4°48	17°57	10°41	12°10	9°44	8°24	0°20	8°21	M 3
T 4	8 53 16	14°19'52	21°16	22°46	27°38	7°26	25°21	4°44	17°56	10°40	12° 9	9°38	8°21	0°27	8°24	T 4
W 5	8 57 12	15°20'41	6♏12	24°33	28°41	8°13	25°27	4°39	17°55	10°39	12° 7	9°30	8°18	0°34	8°25	W 5
T 6	9 1 9	16°21'28	21° 2	26°20	29°45	9° 0	25°34	4°34	17°54	10°38	12° 6	9°20	8°14	0°40	8°27	T 6
F 7	9 5 5	17°22'15	5♊37	28° 7	0☾49	9°47	25°40	4°29	17°53	10°38	12° 4	9° 9	8°11	0°47	8°29	F 7
S 8	9 9 2	18°23'00	19°50	29°53	1°53	10°34	25°46	4°24	17°52	10°37	12° 3	8°59	8° 8	0°54	8°31	S 8
S 9	9 12 58	19°23'44	3♋36	1♊39	2°57	11°21	25°52	4°20	17°51	10°36	12° 2	8°49	8° 5	1° 0	8°32	S 9
M10	9 16 55	20°24'27	16°54	3°24	4° 2	12° 8	25°58	4°15	17°51	10°35	12° 0	8°42	8° 2	1° 7	8°33	M10
T 11	9 20 51	21°25'09	29°45	5° 8	5° 7	12°55	26° 4	4°11	17°50	10°34	11°59	8°38	7°59	1°13	8°35	T 11
W12	9 24 48	22°25'50	12♌13	6°50	6°12	13°42	26° 9	4° 6	17°49	10°33	11°57	8°36	7°55	1°20	8°36	W12
T 13	9 28 44	23°26'30	24°23	8°30	7°18	14°30	26°14	4° 1	17°49	10°32	11°56	8°D35	7°52	1°27	8°37	T 13
F 14	9 32 41	24°27'09	6♊19	10° 8	8°24	15°17	26°20	3°57	17°48	10°31	11°55	8°R35	7°49	1°33	8°38	F 14
S 15	9 36 38	25°27'47	18° 8	11°43	9°29	16° 4	26°25	3°53	17°47	10°30	11°53	8°35	7°46	1°40	8°39	S 15
S 16	9 40 34	26°28'23	29°54	13°14	10°36	16°51	26°29	3°48	17°47	10°29	11°52	8°33	7°43	1°47	8°39	S 16
M17	9 44 31	27°28'58	11☾43	14°41	11°42	17°38	26°34	3°44	17°46	10°28	11°51	8°29	7°39	1°53	8°40	M17
T 18	9 48 27	28°29'32	23°39	16° 4	12°48	18°26	26°39	3°40	17°46	10°27	11°49	8°22	7°36	2° 0	8°40	T 18
W19	9 52 24	29°30'05	5≈45	17°21	13°55	19°13	26°43	3°36	17°46	10°26	11°48	8°12	7°33	2° 7	8°41	W19
T 20	9 56 20	0♊30'36	18° 2	18°32	15° 2	20° 0	26°47	3°31	17°45	10°25	11°46	7°59	7°30	2°13	8°41	T 20
F 21	10 0 17	1°31'05	0♊33	19°36	16° 9	20°47	26°51	3°27	17°45	10°23	11°45	7°45	7°27	2°20	8°R41	F 21
S 22	10 4 13	2°31'33	13°17	20°33	17°16	21°34	26°55	3°23	17°45	10°22	11°44	7°31	7°24	2°27	8°41	S 22
S 23	10 8 10	3°31'59	26°13	21°21	18°24	22°22	26°59	3°19	17°45	10°21	11°43	7°18	7°20	2°33	8°41	S 23
M24	10 12 7	4°32'23	9♍20	22° 2	19°31	23° 9	27° 2	3°16	17°45	10°20	11°41	7° 7	7°17	2°40	8°41	M24
T 25	10 16 3	5°32'46	22°39	22°33	20°39	23°56	27° 5	3°12	17°D45	10°18	11°40	6°59	7°14	2°47	8°40	T 25
W26	10 20 0	6°33'07	6♊ 8	22°54	21°47	24°43	27° 9	3° 8	17°45	10°17	11°39	6°54	7°11	2°53	8°40	W26
T 27	10 23 56	7°33'25	19°47	23° 6	22°55	25°31	27°11	3° 4	17°45	10°16	11°37	6°52	7° 8	3° 0	8°39	T 27
F 28	10 27 53	8♊33'42	3Ⅱ36	23°R 9	24☾ 3	26≈18	27Ⅲ14	3♏ 1	17Ⅱ45	10♌15	11♏36	6Ⅱ52	7Ⅱ 5	3☾ 7	8Ⅲ38	F 28

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	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	decl lat	
S 1	17s24	21n18	0s14	17s27	1s56	19s55	3n25	20s 0	1s 2	18s 1	1n 3	19n37	0n36	23n 0	0n 6	2s50	S 1
S 2	17 7	24 14	1n 3	16 51	1 53	20 0	3 22	19 49	1 2	18 2	1 3	19 38	0 36	23 0	0 6	2 49	S 2
M 3	16 50	25 34	2 17	16 14	1 49	20 6	3 19	19 38	1 3	18 4	1 3	19 39	0 36	23 0	0 6	2 49	M 3
T 4	16 32	25 5	3 22	15 35	1 45	20 11	3 15	19 26	1 3	18 5	1 3	19 41	0 36	22 59	0 6	2 49	T 4
W 5	16 14	22 49	4 14	14 54	1 40	20 15	3 11	19 14	1 3	18 7	1 3	19 42	0 36	22 59	0 6	2 49	W 5
T 6	15 56	19 2	4 48	14 13	1 34	20 19	3 8	19 2	1 3	18 8	1 3	19 43	0 37	22 59	0 6	2 48	T 6
F 7	15 38	14 8	5 2	13 30	1 28	20 23	3 4	18 49	1 3	18 9	1 3	19 44	0 37	22 59	0 6	2 48	F 7
S 8	15 19	8 35	4 57	12 46	1 20	20 26	3 0	18 37	1 4	18 11	1 3	19 46	0 37	22 59	0 6	2 47	S 8
S 9	15 1	2 47	4 35	12 1	1 13	20 28	2 56	18 24	1 4	18 12	1 4	19 47	0 37	22 59	0 6	2 47	S 9
M10	14 41	2s58	3 59	11 16	1 4	20 31	2 53	18 11	1 4	18 13	1 4	19 48	0 37	22 59	0 6	2 47	M10
T 11	14 22	8 25	3 11	10 29	0 55	20 32	2 49	17 58	1 4	18 14	1 4	19 49	0 37	22 59	0 6	2 46	T 11
W12	14 2	13 22	2 15	9 42	0 45	20 34	2 45	17 44	1 4	18 16	1 4	19 50	0 37	22 59	0 6	2 46	W12
T 13	13 43	17 40	1 15	8 55	0 35	20 35	2 40	17 31	1 4	18 17	1 4	19 51	0 37	22 59	0 6	2 45	T 13
F 14	13 23	21 10	0 12	8 8	0 23	20 35	2 36	17 17	1 4	18 18	1 4	19 53	0 37	22 59	0 6	2 45	F 14
S 15	13 2	23 45	0s50	7 21	0 11	20 35	2 32	17 3	1 5	18 19	1 4	19 54	0 37	22 59	0 6	2 45	S 15
S 16	12 42	25 17	1 51	6 34	0n 2	20 34	2 28	16 49	1 5	18 20	1 4	19 55	0 37	22 59	0 6	2 44	S 16
M17	12 21	25 41	2 46	5 48	0 15	20 33	2 24	16 35	1 5	18 21	1 5	19 56	0 37	22 59	0 6	2 44	M17
T 18	12 0	24 54	3 34	5 4	0 29	20 31	2 20	16 20	1 5	18 22	1 5	19 57	0 38	22 59	0 6	2 43	T 18
W19	11 39	22 56	4 14	4 20	0 43	20 29	2 15	16 6	1 5	18 23	1 5	19 58	0 38	22 59	0 6	2 43	W19
T 20	11 18	19 54	4 42	3 39	0 58	20 26	2 11	15 51	1 5	18 23	1 5	19 59	0 38	22 59	0 6	2 42	T 20
F 21	10 56	15 55	4 58	3 0	1 13	20 23	2 7	15 36	1 5	18 24	1 5	20 0	0 38	22 59	0 6	2 42	F 21
S 22	10 35	11 10	4 58	2 24	1 28	20 19	2 2	15 21	1 5	18 25	1 5	20 1	0 38	22 59	0 6	2 41	S 22
S 23	10 13	5 51	4 44	1 51	1 43	20 14	1 58	15 6	1 5	18 26	1 5	20 2	0 38	22 59	0 6	2 41	S 23
M24	9 51	0 12	4 14	1 21	1 58	20 9	1 53	14 50	1 6	18 26	1 6	20 3	0 38	22 59	0 6	2 40	M24
T 25	9 29	5n33	3 31	0 55	2 13	20 4	1 49	14 35	1 6	18 27	1 6	20 4	0 38	22 59	0 6	2 40	T 25
W26	9 7	11 8	2 35	0 34	2 27	19 58	1 45	14 19	1 6	18 28	1 6	20 5	0 38	22 59	0 6	2 39	W26
T 27	8 44	16 15	1 29	0 16	2 41	19 51	1 40	14 3	1 6	18 28	1 6	20 6	0 38	22 59	0 6	2 38	T 27
F 28	8s22	20n36	0s17	0s 4	2n54	19s44	1n36	13s47	1s 6	18s29	1n 6	20n 7	0n38	22n59	0n 6	2s38	F 28

Julian Day Number = 2432217.5, Delta T = 27.92 sec

Ecliptic obliquity = 23°26'49", Nutation = - 0°00'15", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 24°00'04", Lahiri = 23°07'05"

ASTRODIENST EPHEMERIS for the year 1947

geocentric

MARCH 1947

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	10 31 49	9♂33'57	17♂36	23°R 1	25♂11	27°≈ 5	27♂17	2°R57	17♂45	10°R13	11°R35	6°R52	7♂1	3♂13	8°R38	S 1
S 2	10 35 46	10°34'09	1♂48	22♂44	26°19	27°52	27°19	2♂54	17°45	10°12	11°34	6♂51	6°58	3°20	8♂37	S 2
M 3	10 39 42	11°34'20	16° 9	22°19	27°28	28°40	27°21	2°51	17°46	10°10	11°33	6°47	6°55	3°27	8°36	M 3
T 4	10 43 39	12°34'28	0♂26	21°45	28°37	29°27	27°24	2°48	17°46	10° 9	11°31	6°42	6°52	3°33	8°34	T 4
W 5	10 47 36	13°34'35	15° 6	21° 3	29°45	0♂14	27°25	2°44	17°46	10° 8	11°30	6°33	6°49	3°40	8°33	W 5
T 6	10 51 32	14°34'39	29°32	20°16	0♂54	1° 1	27°27	2°41	17°47	10° 6	11°29	6°22	6°45	3°47	8°32	T 6
F 7	10 55 29	15°34'41	13♂48	19°23	2° 3	1°49	27°29	2°38	17°47	10° 5	11°28	6°10	6°42	3°53	8°30	F 7
S 8	10 59 25	16°34'42	27°47	18°26	3°12	2°36	27°30	2°36	17°48	10° 3	11°27	5°58	6°39	4° 0	8°29	S 8
S 9	11 3 22	17°34'40	11♂26	17°28	4°21	3°23	27°31	2°33	17°49	10° 2	11°26	5°47	6°36	4° 7	8°27	S 9
M10	11 7 18	18°34'37	24°41	16°28	5°31	4°10	27°32	2°30	17°49	10° 0	11°25	5°39	6°33	4°13	8°25	M10
T 11	11 11 15	19°34'32	7♂32	15°28	6°40	4°58	27°33	2°28	17°50	9°59	11°24	5°33	6°30	4°20	8°23	T 11
W12	11 15 11	20°34'26	20° 2	14°30	7°50	5°45	27°33	2°25	17°51	9°57	11°23	5°30	6°26	4°27	8°21	W12
T 13	11 19 8	21°34'17	2♂14	13°35	8°59	6°32	27°34	2°23	17°52	9°56	11°22	5°D29	6°23	4°33	8°19	T 13
F 14	11 23 5	22°34'07	14°13	12°43	10° 9	7°19	27°R34	2°20	17°52	9°54	11°20	5°29	6°20	4°40	8°17	F 14
S 15	11 27 1	23°33'56	26° 4	11°57	11°19	8° 7	27°34	2°18	17°53	9°53	11°20	5°R29	6°17	4°47	8°15	S 15
S 16	11 30 58	24°33'43	7♂52	11°15	12°29	8°54	27°34	2°16	17°54	9°51	11°19	5°28	6°14	4°53	8°12	S 16
M17	11 34 54	25°33'28	19°44	10°39	13°38	9°41	27°33	2°14	17°55	9°49	11°18	5°25	6°10	5° 0	8°10	M17
T 18	11 38 51	26°33'11	1♂43	10° 9	14°49	10°28	27°33	2°12	17°56	9°48	11°17	5°20	6° 7	5° 7	8° 7	T 18
W19	11 42 47	27°32'52	13°54	9°46	15°59	11°15	27°32	2°11	17°58	9°46	11°16	5°12	6° 4	5°13	8° 4	W19
T 20	11 46 44	28°32'32	26°21	9°28	17° 9	12° 2	27°31	2° 9	17°59	9°45	11°15	5° 2	6° 1	5°20	8° 2	T 20
F 21	11 50 40	29°32'10	9♂4	9°17	18°19	12°50	27°30	2° 7	18° 0	9°43	11°14	4°51	5°58	5°27	7°59	F 21
S 22	11 54 37	0°Y31'45	22° 4	9°D12	19°29	13°37	27°28	2° 6	18° 1	9°41	11°13	4°39	5°55	5°33	7°56	S 22
S 23	11 58 34	1°31'19	5°Y21	9°13	20°40	14°24	27°27	2° 5	18° 3	9°40	11°12	4°28	5°51	5°40	7°53	S 23
M24	12 2 30	2°30'51	18°53	9°20	21°50	15°11	27°25	2° 3	18° 4	9°38	11°11	4°19	5°48	5°47	7°50	M24
T 25	12 6 27	3°30'20	2♂36	9°32	23° 1	15°58	27°23	2° 2	18° 5	9°36	11°11	4°13	5°45	5°53	7°46	T 25
W26	12 10 23	4°29'48	16°28	9°50	24°11	16°45	27°21	2° 1	18° 7	9°35	11°10	4° 9	5°42	6° 0	7°43	W26
T 27	12 14 20	5°29'13	0♂26	10°12	25°22	17°32	27°19	2° 0	18° 8	9°33	11° 9	4°D 8	5°39	6° 7	7°40	T 27
F 28	12 18 16	6°28'36	14°29	10°39	26°33	18°19	27°17	1°59	18°10	9°32	11° 9	4° 8	5°36	6°13	7°36	F 28
S 29	12 22 13	7°27'57	28°34	11°11	27°44	19° 6	27°14	1°59	18°12	9°30	11° 8	4° 9	5°32	6°20	7°33	S 29
S 30	12 26 9	8°27'15	12♂42	11°46	28°54	19°53	27°11	1°58	18°13	9°28	11° 7	4°R 9	5°29	6°27	7°29	S 30
M31	12 30 6	9°Y26'31	26♂50	12♂26	0♂5	20♂40	27♂8	1♂58	18♂15	9♂27	11♂7	4♂8	5♂26	6♂33	7♂26	M31

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	7s59	23n48	0n57	0n 4	3n 5	19s37	1n31	13s31	1s 6	18s29	1n 6	20n 7	0n38	22n59	0n 6	2s37	1n33	23n59	6n57	21n28	21n29	25s41	13s51	0n34	0n34
S 2	7 36	25 34	2 8	0 7	3 16	19 28	1 27	13 15	1 6	18 29	1 6	20 8	0 38	22 59	0 6	2 37	1 33	23 59	6 57	21 28	21 29	25 42	13 50	0 34	0 34
M 3	7 14	25 38	3 12	0 5	3 24	19 20	1 22	12 58	1 6	18 30	1 7	20 9	0 38	22 59	0 6	2 36	1 33	24 0	6 57	21 27	21 28	25 42	13 50	0 34	0 34
T 4	6 51	23 59	4 4	0s 2	3 31	19 10	1 18	12 42	1 6	18 30	1 7	20 10	0 38	22 59	0 6	2 36	1 33	24 0	6 57	21 26	21 28	25 43	13 49	0 35	0 35
W 5	6 28	20 46	4 40	0 14	3 37	19 1	1 14	12 25	1 6	18 30	1 7	20 11	0 38	22 59	0 6	2 35	1 33	24 0	6 57	21 25	21 27	25 43	13 48	0 35	0 35
T 6	6 4	16 17	4 58	0 29	3 40	18 50	1 9	12 8	1 6	18 31	1 7	20 11	0 39	22 59	0 6	2 34	1 33	24 1	6 57	21 23	21 27	25 44	13 47	0 36	0 36
F 7	5 41	10 57	4 58	0 49	3 41	18 39	1 5	11 52	1 6	18 31	1 7	20 12	0 39	22 59	0 6	2 34	1 33	24 1	6 57	21 21	21 26	25 45	13 47	0 36	0 36
S 8	5 18	5 9	4 39	1 12	3 40	18 28	1 0	11 35	1 6	18 31	1 7	20 13	0 39	22 59	0 6	2 33	1 33	24 1	6 57	21 19	21 26	25 45	13 46	0 36	0 36
S 9	4 55	0s46	4 5	1 38	3 37	18 16	0 56	11 17	1 6	18 31	1 7	20 13	0 39	22 59	0 6	2 33	1 33	24 2	6 57	21 17	21 25	25 46	13 45	0 37	0 37
M10	4 31	6 29	3 18	2 6	3 32	18 4	0 52	11 0	1 6	18 31	1 7	20 14	0 39	22 59	0 6	2 32	1 33	24 2	6 57	21 15	21 25	25 46	13 44	0 37	0 37
T 11	4 8	11 47	2 22	2 35	3 25	17 51	0 47	10 43	1 6	18 31	1 8	20 15	0 39	22 59	0 6	2 31	1 33	24 2	6 57	21 14	21 24	25 47	13 43	0 38	0 38
W12	3 44	16 27	1 21	3 5	3 16	17 37	0 43	10 26	1 6	18 31	1 8	20 15	0 39	22 59	0 6	2 31	1 33	24 2	6 57	21 14	21 23	25 48	13 42	0 38	0 38
T 13	3 21	20 20	0 17	3 36	3 6	17 23	0 39	10 8	1 6	18 31	1 8	20 16	0 39	22 59	0 6	2 30	1 33	24 3	6 57	21 13	21 23	25 48	13 41	0 38	0 38
F 14	2 57	23 17	0s46	4 6	2 54	17 9	0 35	9 50	1 6	18 31	1 8	20 17	0 39	22 59	0 6	2 30	1 33	24 3	6 57	21 14	21 22	25 49	13 40	0 39	0 39
S 15	2 33	25 10	1 47	4 36	2 42	16 54	0 31	9 33	1 6	18 31	1 8	20 17	0 39	22 59	0 6	2 29	1 33	24 3	6 57	21 14	21 22	25 49	13 38	0 39	0 39
S 16	2 10	25 56	2 43	5 4	2 28	16 39	0 26	9 15	1 6	18 31	1 8	20 18	0 39	22 59	0 6	2 28	1 33	24 3	6 57	21 13	21 21	25 50	13 37	0 40	0 40
M17	1 46	25 30	3 32	5 31	2 14	16 23	0 22	8 57	1 6	18 31	1 8	20 18	0 39	23 0	0 6	2 28	1 33	24 4	6 57	21 13	21 21	25 50	13 36	0 40	0 40
T 18	1 22	23 53	4 13	5 55	1 59	16 6	0 18	8 39	1 5	18 30	1 9	20 19	0 39	23 0	0 6	2 27	1 33	24 4	6 57	21 12	21 20	25 51	13 35	0 40	0 40
W19	0 59	21 10	4 42	6 18	1 44	15 50	0 14	8 21	1 5	18 30	1 9	20 19	0 39	23 0	0 6	2 26	1 33	24 4	6 56	21 11	21 20	25 51	13 34	0 41	0 41
T 20	0 35	17 26	4 59	6 39	1 29	15 32	0 10	8 3	1 5	18 30	1 9	20 19	0 39	23 0	0 6	2 26	1 33	24 4	6 56	21 9	21 19	25 52	13 32	0 41	0 41
F 21	0 11	12 50	5 2	6 57	1 14	15 15	0 6	7 45	1 5	18 29	1 9	20 20	0 39	23 0	0 6	2 25	1 34	24 4	6 56	21 7	21 19	25 52	13 31	0 42	0 42
S 22	0n13	7 34	4 49	7 12	0 59	14 56	0 2	7 27	1 5	18 29	1 9	20 20	0 39	23 0	0 6	2 24	1 34	24 4	6 56	21 5	21 18	25 53	13 30	0 42	0 42
S 23	0 36	1 51	4 20	7 26	0 45	14 38	0s 1	7 8	1 5	18 28	1 9	20 20	0 39	23 0	0 6	2 24	1 34	24 5	6 56	21 3	21 17	25 53	13 28	0 42	0 42
M24	1 0	4n 3	3 37	7 36	0 30	14 19	0 5	6 50	1 5	18 28	1 9	20 21	0 39	23 0	0 6	2 23	1 34	24 5	6 56	21 1	21 17	25 54	13 27	0 43	0 43
T 25	1 24	9 52	2 40	7 45	0 16	13 59	0 9	6 32	1 5	18 27	1 9	20 21	0 39	23 1	0 6	2 22	1 34	24 5	6 56	21 0	21 16	25 54	13 25	0 43	0 43
W26	1 47	15 17	1 33	7 51	0 3	13 40	0 13	6 13	1 5	18 27	1 9	20 21	0 39	23 1	0 6	2 22	1 34	24 5	6 56	20 59	21 16	25 55	13 24	0 44	0 44
T 27	2 11	19 56	0 20	7 54	0s10	13 19	0 16	5 55	1 4	18 26	1 10	20 22	0 39	23 1	0 6	2 21	1 34	24 5	6 56	20 59	21 15	25 55	13 23	0 44	0 44
F 28	2 34	23 27	0n55	7 56	0 23	12 59	0 20	5 36	1 4	18 26	1 10	20 22	0 39	23 1	0 6	2 20	1 34	24 5	6 56	20 59	21 15	25 55	13 21	0 45	0 45
S 29	2 58	25 33	2 7	7 55	0 35	12 38	0 23	5 18	1 4	18 25	1 10	20 22	0 39	23 1	0 6	2 20	1 34	24 5	6 56	20 59	21 14	25 56	13 20	0 45	0 45
S 30	3 21	26 1	3 11	7 52	0 46	12 17	0 27	4 59	1 4	18 24	1 10	20 22	0 39	23 1	0 6	2 19	1 34	24 6	6 56	20 59	21 14	25 56	13 18	0 45	0 45
M31	3n45	24n47	4n 4	7s47	0s57	11s55	0s30	4s40	1s 4	18s23	1n10	20n22	0n39	23n 1	0n 6	2s18	1n34	24n 6	6n56	20n59	21n13	25s57	13s16	0n46	0n46

ASTRODIENST EPHEMERIS for the year 1947
geocentric

APRIL 1947

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 34 3	10°25'45	10°58	13°10	1°16	21°27	27°R 5	1°R57	18°17	9°R25	11°R 6	4°R 4	5°23	6°40	7°R22	T 1
W 2	12 37 59	11°24'56	25° 2	13°57	2°27	22°14	27°M 2	1°57	18°19	9°23	11°5	3°58	5°20	6°47	7°M18	W 2
T 3	12 41 56	12°24'05	9°0	14°47	3°38	23° 1	26°58	1°57	18°20	9°22	11° 5	3°51	5°16	6°53	7°14	T 3
F 4	12 45 52	13°23'12	22°48	15°41	4°49	23°48	26°55	1°D57	18°22	9°20	11° 4	3°42	5°13	7° 0	7°10	F 4
S 5	12 49 49	14°22'16	6°23	16°37	6° 0	24°35	26°51	1°57	18°24	9°18	11° 4	3°34	5°10	7° 7	7° 6	S 5
S 6	12 53 45	15°21'19	19°42	17°37	7°11	25°21	26°47	1°57	18°26	9°17	11° 3	3°26	5° 7	7°13	7° 2	S 6
M 7	12 57 42	16°20'19	2°M43	18°39	8°23	26° 8	26°43	1°58	18°28	9°15	11° 3	3°20	5° 4	7°20	6°58	M 7
T 8	13 1 38	17°19'18	15°26	19°44	9°34	26°55	26°38	1°58	18°30	9°13	11° 2	3°17	5° 1	7°27	6°54	T 8
W 9	13 5 35	18°18'14	27°51	20°51	10°45	27°42	26°34	1°58	18°32	9°12	11° 2	3°D15	4°57	7°33	6°50	W 9
T 10	13 9 31	19°17'09	10°2	22° 1	11°56	28°28	26°29	1°59	18°35	9°10	11° 2	3°15	4°54	7°40	6°46	T 10
F 11	13 13 28	20°16'02	22° 1	23°13	13° 8	29°15	26°24	2° 0	18°37	9° 9	11° 1	3°16	4°51	7°47	6°41	F 11
S 12	13 17 25	21°14'54	3°53	24°27	14°19	0°Y 2	26°20	2° 1	18°39	9° 7	11° 1	3°18	4°48	7°53	6°37	S 12
S 13	13 21 21	22°13'43	15°42	25°43	15°31	0°49	26°14	2° 2	18°41	9° 5	11° 1	3°19	4°45	8° 0	6°33	S 13
M14	13 25 18	23°12'31	27°35	27° 2	16°42	1°35	26° 9	2° 3	18°44	9° 4	11° 0	3°R19	4°42	8° 7	6°28	M14
T 15	13 29 14	24°11'17	9°36	28°22	17°54	2°22	26° 4	2° 4	18°46	9° 2	11° 0	3°18	4°38	8°13	6°24	T 15
W16	13 33 11	25°10'02	21°49	29°44	19° 5	3° 8	25°58	2° 5	18°48	9° 1	11° 0	3°15	4°35	8°20	6°19	W16
T 17	13 37 7	26° 8'44	4°19	1°Y 8	20°17	3°55	25°53	2° 6	18°51	8°59	11° 0	3°10	4°32	8°27	6°15	T 17
F 18	13 41 4	27° 7'25	17° 8	2°35	21°29	4°41	25°47	2° 8	18°53	8°57	10°59	3° 5	4°29	8°33	6°10	F 18
S 19	13 45 0	28° 6'04	0°Y19	4° 2	22°40	5°28	25°41	2°10	18°56	8°56	10°59	2°59	4°26	8°40	6° 6	S 19
S 20	13 48 57	29° 4'41	13°51	5°32	23°52	6°14	25°35	2°11	18°58	8°54	10°59	2°53	4°22	8°47	6° 1	S 20
M21	13 52 54	0°3'17	27°42	7° 3	25° 4	7° 1	25°29	2°13	19° 1	8°53	10°59	2°49	4°19	8°53	5°57	M21
T 22	13 56 50	1° 1'50	11°49	8°37	26°15	7°47	25°23	2°15	19° 4	8°51	10°59	2°46	4°16	9° 0	5°52	T 22
W23	14 0 47	2° 0'22	26° 8	10°12	27°27	8°33	25°16	2°17	19° 6	8°50	10°59	2°D44	4°13	9° 7	5°47	W23
T 24	14 4 43	2°58'52	10°12	11°48	28°39	9°19	25°10	2°19	19° 9	8°48	10°D59	2°44	4°10	9°13	5°43	T 24
F 25	14 8 40	3°57'19	24°58	13°27	29°51	10° 6	25° 3	2°21	19°12	8°47	10°59	2°45	4° 7	9°20	5°38	F 25
S 26	14 12 36	4°55'45	9°22	15° 7	1°Y 3	10°52	24°56	2°24	19°14	8°45	10°59	2°47	4° 3	9°27	5°34	S 26
S 27	14 16 33	5°54'08	23°39	16°49	2°15	11°38	24°50	2°26	19°17	8°44	10°59	2°48	4° 0	9°33	5°29	S 27
M28	14 20 29	6°52'30	7°48	18°32	3°27	12°24	24°43	2°29	19°20	8°43	10°59	2°R49	3°57	9°40	5°24	M28
T 29	14 24 26	7°50'49	21°47	20°18	4°38	13°10	24°36	2°31	19°23	8°41	10°59	2°48	3°54	9°47	5°20	T 29
W30	14 28 23	8°49'06	5°35	22°Y 5	5°Y50	13°Y56	24°M29	2°34	19°26	8°40	10°59	2°46	3°51	9°53	5°M15	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	4n 8	22n 0	4n42	7s40	1s 8	11s33	0s33	4s22	1s 3	18s23	1n10	20n22	0n39	23n 2	0n 6	2s18	1n34	24n 6	6n55	20n58	21n12	25s57	13s15	0n46	
W 2	4 31	17 56	5 3	7 31	1 18	11 11	0 37	4 3	1 3	18 22	1 10	20 22	0 40	23 2	0 6	2 17	1 34	24 6	6 55	20 57	21 12	25 58	13 13	0 47	
T 3	4 54	12 54	5 5	7 20	1 27	10 48	0 40	3 44	1 3	18 21	1 10	20 22	0 40	23 2	0 6	2 17	1 34	24 6	6 55	20 56	21 11	25 58	13 12	0 47	
F 4	5 17	7 17	4 50	7 7	1 36	10 25	0 43	3 26	1 3	18 20	1 10	20 23	0 40	23 2	0 6	2 16	1 34	24 6	6 55	20 54	21 11	25 58	13 10	0 47	
S 5	5 40	1 25	4 18	6 52	1 44	10 2	0 46	3 7	1 3	18 19	1 10	20 23	0 40	23 2	0 6	2 15	1 34	24 6	6 55	20 52	21 10	25 59	13 8	0 48	
S 6	6 3	4s25	3 33	6 36	1 51	9 38	0 49	2 48	1 2	18 18	1 11	20 23	0 40	23 2	0 6	2 15	1 34	24 6	6 55	20 51	21 10	25 59	13 7	0 48	
M 7	6 26	9 57	2 37	6 18	1 58	9 14	0 52	2 29	1 2	18 17	1 11	20 22	0 40	23 3	0 6	2 14	1 34	24 6	6 55	20 50	21 9	26 0	13 5	0 49	
T 8	6 48	14 57	1 35	5 59	2 5	8 50	0 55	2 10	1 2	18 16	1 11	20 22	0 40	23 3	0 6	2 13	1 34	24 6	6 55	20 49	21 8	26 0	13 3	0 49	
W 9	7 11	19 13	0 29	5 38	2 11	8 26	0 58	1 52	1 2	18 15	1 11	20 22	0 40	23 3	0 6	2 13	1 34	24 6	6 55	20 49	21 8	26 0	13 1	0 49	
T 10	7 33	22 34	0s37	5 15	2 16	8 1	1 0	1 33	1 2	18 14	1 11	20 22	0 40	23 3	0 6	2 12	1 34	24 6	6 55	20 49	21 7	26 1	13 0	0 50	
F 11	7 55	24 52	1 40	4 51	2 21	7 36	1 3	1 14	1 1	18 12	1 11	20 22	0 40	23 3	0 6	2 11	1 34	24 6	6 54	20 49	21 7	26 1	12 58	0 50	
S 12	8 17	26 2	2 38	4 25	2 25	7 11	1 5	0 55	1 1	18 11	1 11	20 22	0 40	23 4	0 6	2 11	1 34	24 6	6 54	20 49	21 6	26 1	12 56	0 50	
S 13	8 39	26 0	3 30	3 58	2 29	6 45	1 8	0 36	1 1	18 10	1 11	20 22	0 40	23 4	0 6	2 10	1 34	24 6	6 54	20 50	21 6	26 2	12 54	0 51	
M14	9 1	24 47	4 13	3 30	2 32	6 20	1 10	0 18	1 0	18 9	1 11	20 21	0 40	23 4	0 6	2 9	1 34	24 6	6 54	20 50	21 5	26 2	12 52	0 51	
T 15	9 23	22 26	4 45	3 0	2 34	5 54	1 13	0n 1	1 0	18 7	1 11	20 21	0 40	23 4	0 6	2 9	1 34	24 6	6 54	20 49	21 4	26 2	12 51	0 52	
W16	9 45	19 2	5 5	2 30	2 36	5 28	1 15	0 20	1 0	18 6	1 11	20 21	0 40	23 4	0 6	2 8	1 34	24 6	6 54	20 49	21 4	26 3	12 49	0 52	
T 17	10 6	14 45	5 11	1 57	2 38	5 2	1 17	0 39	1 0	18 5	1 11	20 21	0 40	23 5	0 6	2 8	1 34	24 6	6 54	20 48	21 3	26 3	12 47	0 52	
F 18	10 27	9 42	5 2	1 24	2 39	4 36	1 19	0 57	0 59	18 3	1 11	20 20	0 40	23 5	0 6	2 7	1 34	24 6	6 54	20 47	21 3	26 3	12 45	0 53	
S 19	10 48	4 6	4 37	0 50	2 39	4 9	1 21	1 16	0 59	18 2	1 11	20 20	0 40	23 5	0 6	2 6	1 34	24 6	6 54	20 46	21 2	26 3	12 43	0 53	
S 20	11 9	1n51	3 55	0 14	2 39	3 42	1 23	1 35	0 59	18 0	1 11	20 20	0 40	23 5	0 6	2 6	1 34	24 6	6 53	20 45	21 1	26 4	12 41	0 54	
M21	11 30	7 52	3 0	0n23	2 38	3 16	1 25	1 53	0 58	17 59	1 11	20 19	0 40	23 5	0 6	2 5	1 34	24 6	6 53	20 44	21 1	26 4	12 40	0 54	
T 22	11 50	13 37	1 52	1 0	2 37	2 49	1 27	2 12	0 58	17 57	1 11	20 19	0 40	23 6	0 6	2 5	1 34	24 6	6 53	20 43	21 0	26 4	12 38	0 54	
W23	12 10	18 42	0 36	1 39	2 35	2 22	1 28	2 31	0 58	17 56	1 12	20 18	0 40	23 6	0 6	2 4	1 34	24 5	6 53	20 43	21 0	26 5	12 36	0 55	
T 24	12 31	22 44	0n43	2 19	2 33	1 55	1 30	2 49	0 57	17 54	1 12	20 18	0 40	23 6	0 6	2 4	1 34	24 5	6 53	20 43	20 59	26 5	12 34	0 55	
F 25	12 50	25 20	1 59	3 0	2 30	1 27	1 31	3 8	0 57	17 53	1 12	20 17	0 40	23 6	0 6	2 3	1 34	24 5	6 53	20 43	20 59	26 5	12 32	0 55	
S 26	13 10	26 14	3 7	3 42	2 27	1 0	1 33	3 26	0 57	17 51	1 12	20 17	0 40	23 7	0 6	2 2	1 33	24 5	6 53	20 43	20 58	26 5	12 30	0 56	
S 27	13 30	25 23	4 4	4 24	2 23	0 33	1 34	3 44	0 56	17 49	1 12	20 16	0 40	23 7	0 6	2 2	1 33	24 5	6 53	20 44	20 57	26 6	12 28	0 56	
M28	13 49	22 54	4 45	5 8	2 19	0 5	1 35	4 3	0 56	17 48	1 12	20 16	0 40	23 7	0 6	2 1	1 33	24 5	6 52	20 44	20 57	26 6	12 26	0 56	
T 29	14 8	19 6	5 8	5 52	2 14	0n22	1 37	4 21	0 55	17 46	1 12	20 15	0 40	23 7	0 6	2 1	1 33	24 5	6 52	20 44	20 56	26 6	12 25	0 57	
W30	14n27	14n20	5n14	6n37	2s 9	0n49	1s38	4n39	0s55	17s44	1n12	20n15	0n40	23n 7	0n 6	2s 0	1n33	24n 5	6n52	20n43	20n56	26s 6	12s23	0n57	

ASTRODIENST EPHEMERIS for the year 1947
geocentric

MAY 1947

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	14 32 19	9♉47'21	19♏10	23♊54	7♊ 2	14♊42	24°R22	2♏37	19♏29	8°R38	11♏ 0	2°R43	3♏47	10♉ 0	5°R11	T 1
F 2	14 36 16	10°45'33	2♏33	25°44	8°14	15°28	24♏14	2°40	19°32	8♏37	11° 0	2♏40	3°44	10° 7	5♏ 6	F 2
S 3	14 40 12	11°43'44	15°42	27°37	9°26	16°14	24° 7	2°43	19°34	8°36	11° 0	2°37	3°41	10°13	5° 1	S 3
S 4	14 44 9	12°41'53	28°37	29°31	10°38	17° 0	24° 0	2°46	19°37	8°34	11° 0	2°34	3°38	10°20	4°57	S 4
M 5	14 48 5	13°40'01	11♏19	1♉27	11°50	17°46	23°53	2°49	19°40	8°33	11° 1	2°32	3°35	10°27	4°52	M 5
T 6	14 52 2	14°38'06	23°46	3°25	13° 2	18°32	23°45	2°52	19°44	8°32	11° 1	2°31	3°32	10°33	4°48	T 6
W 7	14 55 58	15°36'10	6♊ 2	5°24	14°15	19°17	23°38	2°56	19°47	8°31	11° 1	2°D31	3°28	10°40	4°43	W 7
T 8	14 59 55	16°34'13	18° 6	7°25	15°27	20° 3	23°30	2°59	19°50	8°29	11° 2	2°32	3°25	10°47	4°39	T 8
F 9	15 3 52	17°32'14	0♉ 3	9°28	16°39	20°49	23°23	3° 3	19°53	8°28	11° 2	2°33	3°22	10°53	4°34	F 9
S 10	15 7 48	18°30'13	11°54	11°32	17°51	21°34	23°15	3° 6	19°56	8°27	11° 2	2°34	3°19	11° 0	4°30	S 10
S 11	15 11 45	19°28'12	23°44	13°38	19° 3	22°20	23° 7	3°10	19°59	8°26	11° 3	2°35	3°16	11° 7	4°26	S 11
M 12	15 15 41	20°26'08	5♏37	15°45	20°15	23° 5	23° 0	3°14	20° 2	8°25	11° 3	2°36	3°13	11°13	4°21	M 12
T 13	15 19 38	21°24'04	17°37	17°53	21°28	23°51	22°52	3°18	20° 6	8°24	11° 4	2°R37	3° 9	11°20	4°17	T 13
W 14	15 23 34	22°21'58	29°50	20° 2	22°40	24°36	22°45	3°22	20° 9	8°22	11° 4	2°37	3° 6	11°27	4°13	W 14
T 15	15 27 31	23°19'51	12♊18	22°13	23°52	25°22	22°37	3°26	20°12	8°21	11° 5	2°36	3° 3	11°33	4° 9	T 15
F 16	15 31 27	24°17'43	25° 8	24°23	25° 4	26° 7	22°29	3°30	20°15	8°20	11° 5	2°35	3° 0	11°40	4° 5	F 16
S 17	15 35 24	25°15'33	8♊20	26°35	26°17	26°52	22°22	3°35	20°19	8°19	11° 6	2°34	2°57	11°47	4° 0	S 17
S 18	15 39 21	26°13'22	21°57	28°46	27°29	27°38	22°14	3°39	20°22	8°18	11° 7	2°33	2°53	11°53	3°56	S 18
M 19	15 43 17	27°11'10	5♉58	0♏57	28°41	28°23	22° 6	3°43	20°25	8°17	11° 7	2°33	2°50	12° 0	3°52	M 19
T 20	15 47 14	28° 8'57	20°21	3° 8	29°54	29° 8	21°59	3°48	20°29	8°16	11° 8	2°33	2°47	12° 7	3°49	T 20
W 21	15 51 10	29° 6'43	5♏ 0	5°18	1♉ 6	29°53	21°51	3°53	20°32	8°15	11° 9	2°D33	2°44	12°13	3°45	W 21
T 22	15 55 7	0♏ 4'27	19°49	7°27	2°18	0♉38	21°44	3°57	20°35	8°15	11° 9	2°33	2°41	12°20	3°41	T 22
F 23	15 59 3	1° 2'10	4♉41	9°35	3°31	1°23	21°36	4° 2	20°39	8°14	11°10	2°33	2°38	12°27	3°37	F 23
S 24	16 3 0	1°59'51	19°27	11°41	4°43	2° 8	21°29	4° 7	20°42	8°13	11°11	2°33	2°34	12°33	3°33	S 24
S 25	16 6 57	2°57'31	4♏ 3	13°46	5°56	2°53	21°21	4°12	20°46	8°12	11°12	2°R33	2°31	12°40	3°30	S 25
M 26	16 10 53	3°55'09	18°23	15°48	7° 8	3°38	21°14	4°17	20°49	8°11	11°13	2°33	2°28	12°47	3°26	M 26
T 27	16 14 50	4°52'46	2♏25	17°49	8°21	4°23	21° 7	4°22	20°52	8°11	11°13	2°D33	2°25	12°54	3°23	T 27
W 28	16 18 46	5°50'21	16° 7	19°47	9°33	5° 7	21° 0	4°27	20°56	8°10	11°14	2°33	2°22	13° 0	3°19	W 28
T 29	16 22 43	6°47'55	29°30	21°43	10°45	5°52	20°52	4°32	20°59	8° 9	11°15	2°33	2°19	13° 7	3°16	T 29
F 30	16 26 39	7°45'27	12♉36	23°36	11°58	6°37	20°45	4°38	21° 3	8° 8	11°16	2°33	2°15	13°14	3°13	F 30
S 31	16 30 36	8♏42'58	25♉25	25♏27	13♉10	7♉21	20♏38	4♏43	21♏ 6	8♏ 8	11♏17	2♏34	2♏12	13♉20	3♏10	S 31

Day	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	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	
T 1	14n45	8n54 5n 1	7n22 2s 3	1n17 1s39	4n57 0s55	17s43 1n12	20n14 0n40	23n 8 0n 6	2s 0 1n33	24n 4 6n52	20n43 20n55	26s 6 12s21	0n58		
F 2	15 3	3 9 4 33	8 8 1 57	1 45 1 40	5 16 0 54	17 41 1 12	20 13 0 40	23 8 0 6	1 59 1 33	24 4 6 52	20 42 20 54	26 7 12 19	0 58		
S 3	15 21	2s39 3 50	8 55 1 50	2 12 1 41	5 34 0 54	17 39 1 11	20 13 0 40	23 8 0 6	1 59 1 33	24 4 6 52	20 41 20 54	26 7 12 17	0 58		
S 4	15 39	8 15 2 56	9 42 1 42	2 40 1 41	5 52 0 53	17 37 1 11	20 12 0 40	23 8 0 6	1 58 1 33	24 4 6 52	20 41 20 53	26 7 12 15	0 59		
M 5	15 57	13 25 1 54	10 30 1 35	3 7 1 42	6 9 0 53	17 36 1 11	20 11 0 40	23 9 0 6	1 58 1 33	24 4 6 52	20 41 20 53	26 7 12 13	0 59		
T 6	16 14	17 57 0 48	11 18 1 26	3 35 1 43	6 27 0 53	17 34 1 11	20 11 0 40	23 9 0 6	1 57 1 33	24 3 6 52	20 40 20 52	26 7 12 12	0 59		
W 7	16 31	21 38 0s19	12 6 1 18	4 2 1 43	6 45 0 52	17 32 1 11	20 10 0 40	23 9 0 6	1 57 1 33	24 3 6 51	20 40 20 51	26 7 12 10	1 0		
T 8	16 48	24 20 1 25	12 54 1 9	4 29 1 44	7 3 0 52	17 30 1 11	20 9 0 40	23 9 0 6	1 56 1 33	24 3 6 51	20 40 20 51	26 8 12 8	1 0		
F 9	17 4	25 53 2 26	13 42 1 0	4 57 1 44	7 20 0 51	17 28 1 11	20 8 0 40	23 10 0 6	1 56 1 33	24 3 6 51	20 41 20 50	26 8 12 6	1 0		
S 10	17 20	26 15 3 21	14 30 0 50	5 24 1 44	7 38 0 51	17 27 1 11	20 7 0 40	23 10 0 6	1 55 1 33	24 3 6 51	20 41 20 50	26 8 12 4	1 1		
S 11	17 36	25 25 4 7	15 18 0 40	5 51 1 44	7 55 0 50	17 25 1 11	20 7 0 40	23 10 0 6	1 55 1 33	24 2 6 51	20 41 20 49	26 8 12 3	1 1		
M 12	17 52	23 26 4 43	16 5 0 30	6 18 1 45	8 12 0 50	17 23 1 11	20 6 0 40	23 10 0 6	1 55 1 33	24 2 6 51	20 41 20 48	26 8 12 1	1 1		
T 13	18 7	20 25 5 6	16 51 0 19	6 45 1 45	8 30 0 49	17 21 1 11	20 5 0 40	23 11 0 6	1 54 1 33	24 2 6 51	20 41 20 48	26 8 11 59	1 2		
W 14	18 22	16 28 5 17	17 37 0 9	7 12 1 45	8 47 0 49	17 19 1 11	20 4 0 40	23 11 0 6	1 54 1 33	24 2 6 51	20 41 20 47	26 8 11 57	1 2		
T 15	18 37	11 45 5 12	18 21 0n 2	7 39 1 45	9 4 0 48	17 17 1 11	20 3 0 40	23 11 0 6	1 53 1 33	24 1 6 51	20 41 20 46	26 8 11 56	1 2		
F 16	18 51	6 25 4 53	19 4 0 12	8 5 1 44	9 21 0 48	17 16 1 11	20 2 0 40	23 11 0 6	1 53 1 33	24 1 6 50	20 41 20 46	26 9 11 54	1 2		
S 17	19 5	0 38 4 17	19 46 0 23	8 32 1 44	9 37 0 48	17 14 1 11	20 1 0 40	23 12 0 6	1 53 1 33	24 1 6 50	20 41 20 45	26 9 11 52	1 3		
S 18	19 19	5n21 3 27	20 26 0 33	8 58 1 44	9 54 0 47	17 12 1 11	20 0 0 40	23 12 0 6	1 52 1 33	24 1 6 50	20 41 20 45	26 9 11 51	1 3		
M 19	19 32	11 17 2 22	21 3 0 43	9 24 1 43	10 11 0 47	17 10 1 10	19 59 0 41	23 12 0 6	1 52 1 33	24 0 6 50	20 41 20 44	26 9 11 49	1 3		
T 20	19 45	16 46 1 7	21 39 0 53	9 50 1 43	10 27 0 46	17 8 1 10	19 58 0 41	23 12 0 6	1 52 1 33	24 0 6 50	20 41 20 43	26 9 11 48	1 4		
W 21	19 58	21 22 0n14	22 13 1 2	10 16 1 42	10 44 0 45	17 6 1 10	19 57 0 41	23 13 0 6	1 51 1 33	24 0 6 50	20 41 20 43	26 9 11 46	1 4		
T 22	20 10	24 38 1 34	22 44 1 11	10 41 1 42	11 0 0 45	17 5 1 10	19 56 0 41	23 13 0 6	1 51 1 33	23 59 6 50	20 41 20 42	26 9 11 44	1 4		
F 23	20 22	26 11 2 49	23 13 1 20	11 6 1 41	11 16 0 44	17 3 1 10	19 55 0 41	23 13 0 6	1 51 1 33	23 59 6 50	20 41 20 42	26 9 11 43	1 5		
S 24	20 34	25 52 3 52	23 39 1 28	11 31 1 40	11 32 0 44	17 1 1 10	19 54 0 41	23 13 0 6	1 50 1 33	23 59 6 50	20 41 20 41	26 9 11 41	1 5		
S 25	20 45	23 46 4 39	24 2 1 35	11 56 1 39	11 48 0 43	16 59 1 10	19 52 0 41	23 14 0 6	1 50 1 33	23 58 6 49	20 41 20 40	26 9 11 40	1 5		
M 26	20 56	20 12 5 8	24 23 1 42	12 21 1 39	12 4 0 43	16 57 1 10	19 51 0 41	23 14 0 6	1 50 1 33	23 58 6 49	20 41 20 40	26 9 11 38	1 5		
T 27	21 7	15 33 5 17	24 41 1 48	12 45 1 38	12 19 0 42	16 56 1 9	19 50 0 41	23 14 0 6	1 50 1 33	23 58 6 49	20 41 20 39	26 9 11 37	1 6		
W 28	21 17	10 13 5 9	24 56 1 53	13 9 1 37	12 35 0 42	16 54 1 9	19 49 0 41	23 14 0 6	1 49 1 33	23 57 6 49	20 41 20 38	26 9 11 36	1 6		
T 29	21 27	4 31 4 43	25 9 1 58	13 33 1 35	12 50 0 41	16 52 1 9	19 48 0 41	23 15 0 6	1 49 1 33	23 57 6 49	20 41 20 38	26 9 11 34	1 6		
F 30	21 37	1s15 4 3	25 19 2 2	13 56 1 34	13 5 0 41	16 50 1 9	19 46 0 41	23 15 0 6	1 49 1 33	23 57 6 49	20 41 20 37	26 9 11 33	1 7		
S 31	21n46	6s51 3n12	25n27 2n 5	14n19 1s33	13n20 0s40	16s49 1n 9	19n45 0n41	23n15 0n 6	1s49 1n32	23n56 6n49	20n41 20n37	26s 9 11s31	1n 7		

Julian Day Number = 2432306.5, Delta T = 28.01 sec
Ecliptic obliquity = 23°26'50, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 24°00'17, Lahiri = 23°07'17

ASTRODIENST EPHEMERIS for the year 1947

geocentric

JUNE 1947

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 34 32	9II40'27	8III 0	27II16	14823	88 6	20°R31	4848	21II10	8°R 7	11818	2II35	2II 9	13827	3°R 7	S 1
M 2	16 38 29	10°37'56	20°22	29° 1	15°36	8°50	20M25	4°54	21°13	88 7	11°19	2°35	2° 6	13°34	3III 4	M 2
T 3	16 42 25	11°35'23	28°35	0844	16°48	9°34	20°18	4°59	21°17	8° 6	11°20	2°R35	2° 3	13°40	3° 1	T 3
W 4	16 46 22	12°32'50	14°39	2°24	18° 1	10°19	20°11	5° 5	21°20	8° 6	11°21	2°35	1°59	13°47	2°58	W 4
T 5	16 50 19	13°30'15	26°36	4° 1	19°13	11° 3	20° 5	5°11	21°24	8° 5	11°22	2°34	1°56	13°54	2°55	T 5
F 6	16 54 15	14°27'40	8829	5°36	20°26	11°47	19°58	5°17	21°28	8° 5	11°23	2°33	1°53	14° 0	2°53	F 6
S 7	16 58 12	15°25'04	20°19	7° 7	21°38	12°31	19°52	5°22	21°31	8° 4	11°24	2°31	1°50	14° 7	2°50	S 7
S 8	17 2 8	16°22'27	28 9	8°36	22°51	13°16	19°46	5°28	21°35	8° 4	11°26	2°29	1°47	14°14	2°48	S 8
M 9	17 6 5	17°19'49	14° 3	10° 1	24° 4	14° 0	19°40	5°34	21°38	8° 4	11°27	2°27	1°44	14°20	2°45	M 9
T 10	17 10 1	18°17'11	26° 4	11°24	25°16	14°44	19°34	5°40	21°42	8° 3	11°28	2°26	1°40	14°27	2°43	T 10
W11	17 13 58	19°14'32	8816	12°44	26°29	15°28	19°28	5°46	21°45	8° 3	11°29	2°25	1°37	14°34	2°41	W11
T 12	17 17 55	20°11'53	20°42	14° 1	27°42	16°11	19°22	5°52	21°49	8° 3	11°30	2°D24	1°34	14°40	2°39	T 12
F 13	17 21 51	21° 9'13	3827	15°15	28°55	16°55	19°17	5°59	21°52	8° 2	11°31	2°25	1°31	14°47	2°37	F 13
S 14	17 25 48	22° 6'33	16°35	16°25	0II 7	17°39	19°11	6° 5	21°56	8° 2	11°33	2°26	1°28	14°54	2°35	S 14
S 15	17 29 44	23° 3'52	08 8	17°33	1°20	18°23	19° 6	6°11	22° 0	8° 2	11°34	2°27	1°25	15° 0	2°33	S 15
M16	17 33 41	24° 1'11	14° 8	18°37	2°33	19° 6	19° 1	6°17	22° 3	8° 2	11°35	2°28	1°21	15° 7	2°31	M16
T 17	17 37 37	24°58'30	28°34	19°38	3°46	19°50	18°56	6°24	22° 7	8° 2	11°37	2°R29	1°18	15°14	2°30	T 17
W18	17 41 34	25°55'48	13II21	20°35	4°59	20°34	18°51	6°30	22°10	8° 2	11°38	2°29	1°15	15°20	2°28	W18
T 19	17 45 30	26°53'06	28°24	21°29	6°11	21°17	18°46	6°37	22°14	8° 2	11°39	2°27	1°12	15°27	2°27	T 19
F 20	17 49 27	27°50'23	13834	22°20	7°24	22° 0	18°41	6°43	22°17	8°D 2	11°41	2°25	1° 9	15°34	2°25	F 20
S 21	17 53 24	28°47'40	28°41	23° 6	8°37	22°44	18°37	6°50	22°21	8° 2	11°42	2°21	1° 5	15°41	2°24	S 21
S 22	17 57 20	29°44'56	13836	23°49	9°50	23°27	18°33	6°57	22°24	8° 2	11°43	2°18	1° 2	15°47	2°23	S 22
M23	18 1 17	0842'12	28°12	24°28	11° 3	24°10	18°29	7° 3	22°28	8° 2	11°45	2°14	0°59	15°54	2°22	M23
T 24	18 5 13	1°39'26	12823	25° 3	12°16	24°53	18°25	7°10	22°32	8° 2	11°46	2°12	0°56	16° 1	2°21	T 24
W25	18 9 10	2°36'40	26° 9	25°34	13°29	25°37	18°21	7°17	22°35	8° 2	11°48	2°11	0°53	16° 7	2°21	W25
T 26	18 13 6	3°33'54	9829	26° 1	14°42	26°20	18°17	7°24	22°39	8° 2	11°49	2°D11	0°50	16°14	2°20	T 26
F 27	18 17 3	4°31'07	22°27	26°23	15°55	27° 2	18°14	7°31	22°42	8° 2	11°50	2°12	0°46	16°21	2°19	F 27
S 28	18 20 59	5°28'19	5III 5	26°41	17° 8	27°45	18°11	7°37	22°46	8° 3	11°52	2°13	0°43	16°27	2°19	S 28
S 29	18 24 56	6°25'31	17°27	26°54	18°21	28°28	18° 7	7°44	22°49	8° 3	11°53	2°15	0°40	16°34	2°18	S 29
M30	18 28 53	7822'42	29III37	2783	19II34	29811	18III 5	7851	22II53	88 3	11855	2°R16	0II37	16841	2818	M30

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
S 1	21n55	12s 6	2n12	25n32	2n 7	14n42	1s32	13n35	0s39	16s47	1n 9	19n44	0n41	23n15	0n 6	1s48	1n32	23n56	6n49	20n41	20n36	26s 9	11s30	1n 7			
M 2	22 3	16 46	1 7	25 35	2 8	15 4	1 30	13 50	0 39	16 45	1 8	19 43	0 41	23 16	0 6	1 48	1 32	23 56	6 49	20 41	20 35	26 9	11 29	1 7			
T 3	22 11	20 41	0 0	25 36	2 9	15 26	1 29	14 5	0 38	16 44	1 8	19 41	0 41	23 16	0 6	1 48	1 32	23 55	6 49	20 41	20 35	26 9	11 28	1 8			
W 4	22 18	23 40	1s 6	25 35	2 9	15 48	1 28	14 19	0 38	16 42	1 8	19 40	0 41	23 16	0 6	1 48	1 32	23 55	6 49	20 41	20 34	26 9	11 26	1 8			
T 5	22 26	25 33	2 9	25 31	2 8	16 9	1 26	14 34	0 37	16 41	1 8	19 39	0 41	23 16	0 6	1 48	1 32	23 54	6 48	20 41	20 33	26 9	11 25	1 8			
F 6	22 33	26 16	3 6	25 26	2 7	16 30	1 25	14 48	0 37	16 39	1 8	19 37	0 41	23 16	0 6	1 48	1 32	23 54	6 48	20 41	20 33	26 9	11 24	1 8			
S 7	22 39	25 46	3 54	25 19	2 4	16 51	1 23	15 2	0 36	16 38	1 8	19 36	0 41	23 17	0 6	1 47	1 32	23 54	6 48	20 40	20 32	26 9	11 23	1 9			
S 8	22 45	24 7	4 33	25 11	2 1	17 11	1 21	15 16	0 35	16 36	1 7	19 34	0 41	23 17	0 6	1 47	1 32	23 53	6 48	20 40	20 31	26 9	11 22	1 9			
M 9	22 51	21 24	5 0	25 1	1 57	17 31	1 19	15 29	0 35	16 35	1 7	19 33	0 41	23 17	0 6	1 47	1 32	23 53	6 48	20 40	20 31	26 9	11 21	1 9			
T 10	22 56	17 45	5 14	24 49	1 52	17 50	1 18	15 43	0 34	16 33	1 7	19 31	0 41	23 17	0 6	1 47	1 32	23 52	6 48	20 39	20 30	26 9	11 20	1 9			
W11	23 1	13 19	5 14	24 37	1 47	18 9	1 16	15 57	0 33	16 32	1 7	19 30	0 41	23 18	0 6	1 47	1 32	23 52	6 48	20 39	20 30	26 8	11 19	1 10			
T 12	23 5	8 17	5 0	24 23	1 41	18 27	1 14	16 10	0 33	16 31	1 7	19 29	0 41	23 18	0 6	1 47	1 32	23 52	6 48	20 39	20 29	26 8	11 18	1 10			
F 13	23 9	2 46	4 31	24 8	1 34	18 45	1 12	16 23	0 32	16 29	1 6	19 27	0 41	23 18	0 6	1 47	1 32	23 51	6 48	20 39	20 28	26 8	11 17	1 10			
S 14	23 13	3n 2	3 47	23 52	1 26	19 2	1 10	16 36	0 32	16 28	1 6	19 26	0 41	23 18	0 6	1 47	1 32	23 51	6 48	20 39	20 28	26 8	11 16	1 10			
S 15	23 16	8 53	2 49	23 35	1 18	19 19	1 8	16 49	0 31	16 27	1 6	19 24	0 41	23 19	0 6	1 47	1 32	23 50	6 48	20 39	20 27	26 8	11 15	1 11			
M16	23 19	14 30	1 39	23 18	1 9	19 36	1 6	17 1	0 30	16 26	1 6	19 22	0 41	23 19	0 6	1 47	1 32	23 50	6 48	20 40	20 26	26 8	11 15	1 11			
T 17	23 21	19 30	0 22	23 0	1 0	19 52	1 4	17 14	0 30	16 24	1 5	19 21	0 41	23 19	0 6	1 47	1 32	23 49	6 48	20 40	20 26	26 8	11 14	1 11			
W18	23 23	23 24	1n 0	22 41	0 49	20 7	1 2	17 26	0 29	16 23	1 5	19 19	0 41	23 19	0 6	1 47	1 32	23 49	6 47	20 40	20 25	26 8	11 13	1 11			
T 19	23 25	25 44	2 18	22 22	0 39	20 22	1 0	17 38	0 28	16 22	1 5	19 18	0 41	23 19	0 6	1 47	1 32	23 49	6 47	20 40	20 24	26 7	11 12	1 11			
F 20	23 26	26 11	3 27	22 2	0 27	20 36	0 58	17 50	0 28	16 21	1 5	19 16	0 42	23 20	0 6	1 47	1 32	23 48	6 47	20 39	20 24	26 7	11 12	1 12			
S 21	23 27	24 41	4 21	21 43	0 15	20 50	0 55	18 1	0 27	16 20	1 5	19 14	0 42	23 20	0 6	1 47	1 32	23 48	6 47	20 38	20 23	26 7	11 11	1 12			
S 22	23 27	21 29	4 57	21 23	0 2	21 3	0 53	18 13	0 26	16 19	1 4	19 13	0 42	23 20	0 6	1 47	1 32	23 47	6 47	20 38	20 22	26 7	11 11	1 12			
M23	23 27	16 59	5 13	21 3	0s11	21 16	0 51	18 24	0 26	16 18	1 4	19 11	0 42	23 20	0 6	1 47	1 31	23 47	6 47	20 37	20 22	26 7	11 10	1 12			
T 24	23 26	11 40	5 8	20 44	0 25	21 28	0 49	18 36	0 25	16 17	1 4	19 9	0 42	23 21	0 6	1 47	1 31	23 46	6 47	20 37	20 21	26 7	11 10	1 13			
W25	23 25	5 55	4 47	20 24	0 39	21 40	0 46	18 46	0 24	16 17	1 4	19 8	0 42	23 21	0 6	1 47	1 31	23 46	6 47	20 36	20 20	26 6	11 9	1 13			
T 26	23 24	0 4	4 10	20 5	0 53	21 51	0 44	18 57	0 24	16 16	1 3	19 6	0 42	23 21	0 6	1 47	1 31	23 45	6 47	20 36	20 20	26 6	11 9	1 13			
F 27	23 22	5s38	3 21	19 46	1 8	22 1	0 42	19 8	0 23	16 15	1 3	19 4	0 42	23 21	0 6	1 48	1 31	23 45	6 47	20 36	20 19	26 6	11 8	1 13			
S 28	23 20	10 58	2 23	19 28	1 23	22 11	0 39	19 18	0 22	16 14	1 3	19 3	0 42	23 21	0 6	1 48	1 31	23 44	6 47	20 37	20 18	26 6	11 8	1 13			
S 29	23 17	15 46	1 20	19 10	1 39	22 20	0 37	19 29	0 22	16 14	1 3	19 1	0 42	23 22	0 6	1 48	1 31	23 44	6 47	20 37	20 18	26 5	11 8	1 14			
M30	23n14	19s50	0n14	18n53	1s55	22n28	0s34	19n39	0s21	16s13	1n 2	18n59	0n42	23n22	0n 6	1s48	1n31	23n43	6n47	20n37	20n17	26s 5	11s 7	1n14			

ASTRODIENST EPHEMERIS for the year 1947
geocentric

JULY 1947

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	18 32 49	8♌19'54	11♊38	27°R 7	20♈47	29♌54	18°R 2	7♏58	22♈56	8♌4	11♏57	2°R15	0♈34	16♌47	2°R18	T 1
W 2	18 36 46	9°17'05	23°33	27♌7	22° 0	0♈36	17♌59	8° 6	23° 0	8° 4	11°58	2♈13	0°31	16°54	2°D18	W 2
T 3	18 40 42	10°14'16	5♌25	27° 2	23°13	1°19	17°57	8°13	23° 3	8° 4	12° 0	2° 9	0°27	17° 1	2♌18	T 3
F 4	18 44 39	11°11'26	17°15	26°52	24°26	2° 1	17°55	8°20	23° 6	8° 5	12° 1	2° 4	0°24	17° 7	2°18	F 4
S 5	18 48 35	12° 8'37	29° 6	26°38	25°39	2°44	17°52	8°27	23°10	8° 5	12° 3	1°57	0°21	17°14	2°19	S 5
S 6	18 52 32	13° 5'48	10♌59	26°19	26°52	3°26	17°51	8°34	23°13	8° 6	12° 4	1°50	0°18	17°21	2°19	S 6
M 7	18 56 28	14° 2'59	22°57	25°57	28° 6	4° 8	17°49	8°41	23°17	8° 6	12° 6	1°42	0°15	17°28	2°20	M 7
T 8	19 0 25	15° 0'10	5♌1	25°30	29°19	4°51	17°47	8°49	23°20	8° 7	12° 8	1°36	0°11	17°34	2°20	T 8
W 9	19 4 22	15°57'21	17°15	25° 1	0♌32	5°33	17°46	8°56	23°23	8° 8	12° 9	1°30	0° 8	17°41	2°21	W 9
T 10	19 8 18	16°54'33	29°42	24°28	1°45	6°15	17°45	9° 3	23°27	8° 8	12°11	1°27	0° 5	17°48	2°22	T 10
F 11	19 12 15	17°51'45	12♌25	23°53	2°59	6°57	17°44	9°11	23°30	8° 9	12°13	1°D25	0° 2	17°54	2°23	F 11
S 12	19 16 11	18°48'58	25°27	23°16	4°12	7°39	17°43	9°18	23°33	8° 9	12°14	1°25	29♌59	18° 1	2°24	S 12
S 13	19 20 8	19°46'11	8♌53	22°37	5°25	8°21	17°42	9°25	23°37	8°10	12°16	1°26	29°56	18° 8	2°25	S 13
M14	19 24 4	20°43'25	22°45	21°58	6°39	9° 3	17°42	9°33	23°40	8°11	12°18	1°27	29°52	18°14	2°26	M14
T 15	19 28 1	21°40'39	7♈2	21°19	7°52	9°45	17°42	9°40	23°43	8°12	12°19	1°R27	29°49	18°21	2°28	T 15
W16	19 31 57	22°37'54	21°44	20°40	9° 5	10°26	17°D42	9°48	23°46	8°13	12°21	1°26	29°46	18°28	2°29	W16
T 17	19 35 54	23°35'10	6♌46	20° 3	10°19	11° 8	17°42	9°55	23°50	8°13	12°23	1°22	29°43	18°34	2°31	T 17
F 18	19 39 51	24°32'26	22° 0	19°28	11°32	11°50	17°42	10° 3	23°53	8°14	12°24	1°16	29°40	18°41	2°32	F 18
S 19	19 43 47	25°29'42	7♏16	18°55	12°46	12°31	17°42	10°10	23°56	8°15	12°26	1° 9	29°37	18°48	2°34	S 19
S 20	19 47 44	26°26'59	22°22	18°26	13°59	13°12	17°43	10°18	23°59	8°16	12°28	1° 1	29°33	18°54	2°36	S 20
M21	19 51 40	27°24'16	7♈9	18° 0	15°13	13°54	17°44	10°25	24° 2	8°17	12°30	0°53	29°30	19° 1	2°38	M21
T 22	19 55 37	28°21'34	21°31	17°38	16°26	14°35	17°45	10°33	24° 5	8°18	12°31	0°46	29°27	19° 8	2°40	T 22
W23	19 59 33	29°18'51	5♌24	17°22	17°40	15°16	17°46	10°41	24° 9	8°19	12°33	0°42	29°24	19°15	2°43	W23
T 24	20 3 30	0♏16'09	18°49	17°10	18°53	15°57	17°47	10°48	24°12	8°20	12°35	0°39	29°21	19°21	2°45	T 24
F 25	20 7 27	1°13'27	1♌46	17° 4	20° 7	16°39	17°49	10°56	24°15	8°21	12°37	0°D39	29°17	19°28	2°47	F 25
S 26	20 11 23	2°10'46	14°21	17°D 3	21°21	17°19	17°51	11° 4	24°18	8°22	12°38	0°39	29°14	19°35	2°50	S 26
S 27	20 15 20	3° 8'05	26°38	17° 8	22°34	18° 0	17°53	11°11	24°21	8°23	12°40	0°R40	29°11	19°41	2°53	S 27
M28	20 19 16	4° 5'24	8♌41	17°20	23°48	18°41	17°55	11°19	24°23	8°25	12°42	0°40	29° 8	19°48	2°55	M28
T 29	20 23 13	5° 2'44	20°37	17°37	25° 2	19°22	17°57	11°27	24°26	8°26	12°44	0°38	29° 5	19°55	2°58	T 29
W30	20 27 9	6° 0'05	2♌27	18° 0	26°15	20° 3	17°59	11°34	24°29	8°27	12°45	0°33	29° 2	20° 1	3° 1	W30
T 31	20 31 6	6♏57'26	14♌17	18♌30	27♌29	20♈43	18♌2	11♏42	24♈32	8♌28	12♏47	0♈26	28♌58	20♌8	3♌4	T 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
T 1	23n11	23s 2	0s51	18n37	2s10	22n36	0s32	19n48	0s20	16s13	1n 2	18n57	0n42	23n22	0n 6	1s48	1n31	23n43	6n47	20n37	20n17	26s 5	11s 7	1n14	
W 2	23 7	25 11	1 53	18 21	2 26	22 43	0 29	19 58	0 19	16 12	1 2	18 56	0 42	23 22	0 6	1 48	1 31	23 43	6 47	20 37	20 16	26 5	11 7	1 14	
T 3	23 3	26 11	2 50	18 7	2 42	22 50	0 27	20 7	0 19	16 12	1 2	18 54	0 42	23 22	0 6	1 49	1 31	23 42	6 47	20 36	20 15	26 4	11 7	1 14	
F 4	22 59	25 58	3 40	17 53	2 57	22 55	0 24	20 17	0 18	16 11	1 1	18 52	0 42	23 23	0 6	1 49	1 31	23 42	6 47	20 35	20 15	26 4	11 7	1 15	
S 5	22 54	24 35	4 20	17 41	3 12	23 1	0 22	20 26	0 17	16 11	1 1	18 50	0 42	23 23	0 6	1 49	1 31	23 41	6 47	20 34	20 14	26 4	11 7	1 15	
S 6	22 48	22 6	4 49	17 30	3 27	23 5	0 19	20 35	0 17	16 11	1 1	18 48	0 42	23 23	0 6	1 49	1 31	23 41	6 47	20 32	20 13	26 4	11 7	1 15	
M 7	22 42	18 40	5 5	17 21	3 41	23 9	0 17	20 43	0 16	16 11	1 1	18 46	0 42	23 23	0 6	1 49	1 31	23 40	6 47	20 31	20 13	26 3	11 7	1 15	
T 8	22 36	14 27	5 8	17 13	3 54	23 12	0 14	20 52	0 15	16 10	1 0	18 45	0 42	23 23	0 6	1 50	1 31	23 40	6 47	20 29	20 12	26 3	11 7	1 15	
W 9	22 30	9 36	4 57	17 6	4 6	23 15	0 12	21 0	0 14	16 10	1 0	18 43	0 42	23 23	0 7	1 50	1 31	23 39	6 47	20 28	20 11	26 3	11 7	1 15	
T 10	22 23	4 17	4 32	17 1	4 17	23 17	0 9	21 8	0 14	16 10	1 0	18 41	0 42	23 24	0 7	1 50	1 31	23 39	6 47	20 27	20 11	26 2	11 7	1 16	
F 11	22 15	1n19	3 53	16 57	4 27	23 18	0 7	21 16	0 13	16 10	1 0	18 39	0 43	23 24	0 7	1 51	1 31	23 38	6 47	20 27	20 10	26 2	11 7	1 16	
S 12	22 8	7 2	3 2	16 54	4 36	23 18	0 4	21 24	0 12	16 10	0 59	18 37	0 43	23 24	0 7	1 51	1 31	23 38	6 47	20 27	20 9	26 2	11 7	1 16	
S 13	21 59	12 35	1 59	16 53	4 43	23 18	0 2	21 31	0 11	16 10	0 59	18 35	0 43	23 24	0 7	1 51	1 31	23 37	6 47	20 27	20 8	26 1	11 7	1 16	
M14	21 51	17 42	0 47	16 54	4 49	23 17	0n 1	21 38	0 11	16 10	0 59	18 33	0 43	23 24	0 7	1 52	1 31	23 37	6 47	20 28	20 8	26 1	11 8	1 16	
T 15	21 42	21 59	0n30	16 56	4 53	23 16	0 3	21 45	0 10	16 11	0 59	18 31	0 43	23 24	0 7	1 52	1 31	23 36	6 47	20 28	20 7	26 1	11 8	1 17	
W16	21 33	24 58	1 47	16 59	4 55	23 14	0 6	21 52	0 9	16 11	0 58	18 29	0 43	23 25	0 7	1 52	1 30	23 36	6 47	20 27	20 6	26 0	11 8	1 17	
T 17	21 23	26 14	2 58	17 4	4 56	23 11	0 8	21 59	0 8	16 11	0 58	18 27	0 43	23 25	0 7	1 53	1 30	23 35	6 47	20 26	20 6	26 0	11 9	1 17	
F 18	21 13	25 33	3 57	17 10	4 55	23 7	0 10	22 5	0 8	16 11	0 58	18 25	0 43	23 25	0 7	1 53	1 30	23 35	6 47	20 25	20 5	26 0	11 9	1 17	
S 19	21 3	22 58	4 40	17 17	4 52	23 3	0 13	22 11	0 7	16 12	0 58	18 23	0 43	23 25	0 7	1 53	1 30	23 34	6 47	20 24	20 4	25 59	11 10	1 17	
S 20	20 52	18 49	5 2	17 25	4 48	22 58	0 15	22 17	0 6	16 12	0 57	18 21	0 43	23 25	0 7	1 54	1 30	23 34	6 47	20 22	20 4	25 59	11 10	1 17	
M21	20 41	13 35	5 4	17 34	4 42	22 52	0 18	22 23	0 5	16 13	0 57	18 19	0 43	23 25	0 7	1 54	1 30	23 33	6 47	20 20	20 3	25 59	11 11	1 18	
T 22	20 30	7 44	4 46	17 44	4 35	22 46	0 20	22 29	0 5	16 13	0 57	18 17	0 43	23 26	0 7	1 55	1 30	23 33	6 47	20 19	20 2	25 58	11 11	1 18	
W23	20 18	1 42	4 12	17 55	4 26	22 39	0 22	22 34	0 4	16 14	0 57	18 15	0 43	23 26	0 7	1 55	1 30	23 32	6 47	20 18	20 2	25 58	11 12	1 18	
T 24	20 6	4s13	3 24	18 6	4 16	22 31	0 25	22 39	0 3	16 14	0 56	18 13	0 43	23 26	0 7	1 56	1 30	23 32	6 47	20 18	20 1	25 57	11 12	1 18	
F 25	19 54	9 46	2 28	18 18	4 6	22 23	0 27	22 44	0 2	16 15	0 56	18 11	0 43	23 26	0 7	1 56	1 30	23 31	6 47	20 18	20 0	25 57	11 13	1 18	
S 26	19 41	14 47	1 26	18 30	3 54	22 14	0 29	22 49	0 1	16 16	0 56	18 9	0 43	23 26	0 7	1 57	1 30	23 31	6 47	20 18	20 0	25 56	11 14	1 18	
S 27	19 28	19 4	0 22	18 42	3 41	22 5	0 32	22 54	0 1	16 16	0 56	18 7	0 44	23 26	0 7	1 57	1 30	23 30	6 47	20 18	19 59	25 56	11 15	1 19	
M28	19 14	22 28	0s43	18 54	3 27	21 54	0 34	22 58	0n 0	16 17	0 55	18 5	0 44	23 26	0 7	1 58	1 30	23 30	6 47	20 18	19 58	25 56	11 15	1 19	
T 29	19 1	24 51	1 44	19 6	3 13	21 43	0 36	23 2	0 1	16 18	0 55	18 3	0 44	23 27	0 7	1 58	1 30	23 30	6 47	20 17	19 58	25 55	11 16	1 19	
W30	18 47	26 6	2 41	19 18	2 58	21 32	0 38	23 6	0 2	16 19	0 55	18 1	0 44	23 27	0 7	1 59	1 30	23 29	6 47	20 16	19 57	25 55	11 17	1 19	
T 31	18n32	26s10	3s30	19n29	2s43	21n20	0n40	23n10	0n 3	16s20	0n55	17n59	0n44	23n27	0n 7	1s59	1n30	23n29	6n47	20n15	19n56	25s54	11s18	1n19	

ASTRODIENST EPHEMERIS for the year 1947

geocentric

AUGUST 1947

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	20 35 2	7♏54°48	26♋7	19♊6	28♊43	21♏24	18♏5	11♏50	24♏35	8♏30	12♏49	0♏R17	28♋55	20♋15	3♏7	F 1
S 2	20 38 59	8°52'11	8♋2	19°48	29°57	22°4	18°8	11°57	24°38	8°31	12°51	0♏II 6	28°52	20°21	3°11	S 2
S 3	20 42 56	9°49'35	20°1	20°36	1♏10	22°45	18°11	12°5	24°41	8°32	12°53	29♋53	28°49	20°28	3°14	S 3
M 4	20 46 52	10°46'59	2♏7	21°30	2°24	23°25	18°14	12°13	24°43	8°34	12°54	29°41	28°46	20°35	3°17	M 4
T 5	20 50 49	11°44'25	14°20	22°30	3°38	24°5	18°18	12°20	24°46	8°35	12°56	29°29	28°43	20°42	3°21	T 5
W 6	20 54 45	12°41'52	26°43	23°36	4°52	24°46	18°21	12°28	24°49	8°36	12°58	29°20	28°39	20°48	3°24	W 6
T 7	20 58 42	13°39'19	9♏16	24°47	6°6	25°26	18°25	12°36	24°51	8°38	13°0	29°13	28°36	20°55	3°28	T 7
F 8	21 2 38	14°36'48	22°2	26°4	7°20	26°6	18°29	12°44	24°54	8°39	13°2	29°9	28°33	21°2	3°32	F 8
S 9	21 6 35	15°34'19	5♋5	27°26	8°34	26°46	18°33	12°51	24°56	8°41	13°3	29°7	28°30	21°8	3°36	S 9
S 10	21 10 31	16°31'51	18°26	28°53	9°48	27°25	18°37	12°59	24°59	8°42	13°5	29°D 7	28°27	21°15	3°40	S 10
M 11	21 14 28	17°29'24	2♏9	0♏25	11°2	28°5	18°42	13°7	25°1	8°44	13°7	29°R 7	28°23	21°22	3°44	M 11
T 12	21 18 25	18°26'59	16°14	2°1	12°16	28°45	18°46	13°14	25°4	8°45	13°9	29°6	28°20	21°28	3°48	T 12
W 13	21 22 21	19°24'35	0♏43	3°41	13°30	29°25	18°51	13°22	25°6	8°47	13°11	29°3	28°17	21°35	3°52	W 13
T 14	21 26 18	20°22'13	15°32	5°25	14°44	0♏4	18°56	13°30	25°9	8°48	13°12	28°58	28°14	21°42	3°57	T 14
F 15	21 30 14	21°19'52	0♏34	7°13	15°58	0°44	19°1	13°37	25°11	8°50	13°14	28°50	28°11	21°49	4°1	F 15
S 16	21 34 11	22°17'32	15°42	9°3	17°12	1°23	19°6	13°45	25°13	8°52	13°16	28°40	28°8	21°55	4°6	S 16
S 17	21 38 7	23°15'14	0♏44	10°56	18°26	2°2	19°12	13°53	25°16	8°53	13°18	28°29	28°4	22°2	4°10	S 17
M 18	21 42 4	24°12'57	15°32	12°51	19°40	2°42	19°17	14°0	25°18	8°55	13°20	28°18	28°1	22°9	4°15	M 18
T 19	21 46 0	25°10'41	29°58	14°48	20°55	3°21	19°23	14°8	25°20	8°57	13°21	28°9	27°58	22°15	4°20	T 19
W 20	21 49 57	26°8'26	13♏55	16°46	22°9	4°0	19°29	14°16	25°22	8°59	13°23	28°2	27°55	22°22	4°25	W 20
T 21	21 53 54	27°6'12	27°24	18°46	23°23	4°39	19°35	14°23	25°24	9°0	13°25	27°57	27°52	22°29	4°30	T 21
F 22	21 57 50	28°4'00	10♏25	20°46	24°37	5°18	19°41	14°31	25°26	9°2	13°27	27°55	27°49	22°35	4°35	F 22
S 23	22 1 47	29°1'49	23°1	22°46	25°51	5°57	19°47	14°38	25°28	9°4	13°28	27°54	27°45	22°42	4°40	S 23
S 24	22 5 43	29°59'38	5♏18	24°46	27°6	6°35	19°54	14°46	25°30	9°6	13°30	27°54	27°42	22°49	4°45	S 24
M 25	22 9 40	0♏57'30	17°21	26°46	28°20	7°14	20°0	14°53	25°32	9°8	13°32	27°54	27°39	22°55	4°51	M 25
T 26	22 13 36	1°55'22	29°15	28°46	29°34	7°53	20°7	15°1	25°34	9°9	13°34	27°51	27°36	23°2	4°56	T 26
W 27	22 17 33	2°53'16	11♋5	0♏45	0♏49	8°31	20°14	15°8	25°36	9°11	13°35	27°47	27°33	23°9	5°1	W 27
T 28	22 21 29	3°51'11	22°55	2°44	2°3	9°9	20°21	15°16	25°38	9°13	13°37	27°39	27°29	23°16	5°7	T 28
F 29	22 25 26	4°49'07	4♏49	4°42	3°17	9°48	20°28	15°23	25°40	9°15	13°39	27°29	27°26	23°22	5°13	F 29
S 30	22 29 23	5°47'05	16°49	6°38	4°32	10°26	20°35	15°31	25°41	9°17	13°40	27°17	27°23	23°29	5°18	S 30
S 31	22 33 19	6♏45'04	28♏57	8♏34	5♏46	11♋4	20♏43	15♏38	25♏43	9♏19	13♏42	27♋4	27♋20	23♋36	5♏24	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	18n18	25s 2	4s10	19n39	2s28	21n 7	0n42	23n13	0n 3	16s21	0n54	17n57	0n44	23n27	0n 7	F 1
S 2	18 3	22 46	4 40	19 49	2 12	20 54	0 44	23 17	0 4	16 22	0 54	17 55	0 44	23 27	0 7	S 2
S 3	17 48	19 30	4 57	19 57	1 56	20 40	0 46	23 20	0	5 16	23 0	17 53	0 44	23 27	0 7	S 3
M 4	17 32	15 24	5 1	20 5	1 40	20 25	0 48	23 23	0	6 16	24 0	17 51	0 44	23 27	0 7	M 4
T 5	17 16	10 39	4 51	20 10	1 25	20 10	0 50	23 26	0	7 16	26 0	17 49	0 44	23 27	0 7	T 5
W 6	17 0	5 24	4 28	20 15	1 9	19 54	0 52	23 28	0	8 16	27 0	17 47	0 44	23 28	0 7	W 6
T 7	16 44	0n 7	3 52	20 17	0 54	19 38	0 54	23 30	0	8 16	28 0	17 45	0 44	23 28	0 7	T 7
F 8	16 27	5 45	3 3	20 18	0 39	19 21	0 56	23 33	0	9 16	29 0	17 42	0 44	23 28	0 7	F 8
S 9	16 10	11 17	2 4	20 16	0 25	19 3	0 58	23 34	0	10 16	31 0	17 40	0 45	23 28	0 7	S 9
S 10	15 53	16 25	0 56	20 13	0 11	18 45	0 59	23 36	0	11 16	32 0	17 38	0 45	23 28	0 7	S 10
M 11	15 36	20 52	0n16	20 6	0n 2	18 27	1 1	23 38	0	12 16	34 0	17 36	0 45	23 28	0 7	M 11
T 12	15 18	24 13	1 29	19 58	0 15	18 8	1 3	23 39	0	13 16	35 0	17 34	0 45	23 28	0 7	T 12
W 13	15 0	26 5	2 39	19 46	0 27	17 48	1 4	23 40	0	13 16	37 0	17 32	0 45	23 28	0 7	W 13
T 14	14 42	26 10	3 39	19 32	0 38	17 28	1 6	23 41	0	14 16	38 0	17 30	0 45	23 28	0 7	T 14
F 15	14 24	24 21	4 25	19 16	0 49	17 8	1 7	23 42	0	15 16	40 0	17 28	0 45	23 29	0 7	F 15
S 16	14 5	20 48	4 53	18 56	0 58	16 46	1 9	23 42	0	16 16	41 0	17 26	0 45	23 29	0 7	S 16
S 17	13 46	15 53	5 0	18 34	1 7	16 25	1 10	23 43	0	17 16	43 0	17 23	0 45	23 29	0 7	S 17
M 18	13 27	10 7	4 47	18 9	1 15	16 3	1 11	23 43	0	18 16	45 0	17 21	0 45	23 29	0 7	M 18
T 19	13 8	3 56	4 16	17 42	1 22	15 41	1 13	23 43	0	19 16	47 0	17 19	0 45	23 29	0 7	T 19
W 20	12 49	2s16	3 30	17 13	1 28	15 18	1 14	23 43	0	19 16	48 0	17 17	0 46	23 29	0 7	W 20
T 21	12 29	8 9	2 34	16 41	1 33	14 54	1 15	23 42	0	20 16	50 0	17 15	0 46	23 29	0 7	T 21
F 22	12 9	13 30	1 31	16 7	1 37	14 31	1 16	23 42	0	21 16	52 0	17 13	0 46	23 29	0 7	F 22
S 23	11 49	18 7	0 26	15 31	1 40	14 7	1 17	23 41	0	22 16	54 0	17 11	0 46	23 29	0 7	S 23
S 24	11 29	21 50	0s39	14 53	1 43	13 42	1 18	23 40	0	23 16	56 0	17 9	0 46	23 29	0 7	S 24
M 25	11 8	24 31	1 41	14 14	1 45	13 17	1 19	23 39	0	24 16	58 0	17 6	0 46	23 29	0 7	M 25
T 26	10 48	26 4	2 38	13 34	1 46	12 52	1 20	23 37	0	25 17	0	17 4	0 46	23 30	0 7	T 26
W 27	10 27	26 25	3 27	12 52	1 46	12 27	1 20	23 36	0	26 17	2	17 2	0 46	23 30	0 7	W 27
T 28	10 6	25 34	4 7	12 9	1 46	12 1	1 21	23 34	0	26 17	4	17 0	0 46	23 30	0 7	T 28
F 29	9 45	23 33	4 37	11 25	1 45	11 34	1 22	23 32	0	27 17	6	16 58	0 46	23 30	0 7	F 29
S 30	9 24	20 29	4 55	10 40	1 43	11 8	1 22	23 30	0	28 17	8	16 56	0 47	23 30	0 7	S 30
S 31	9n 2	16s31	5s 0	9n55	1n41	10n41	1n23	23n28	0n29	17s10	0n47	16n54	0n47	23n30	0n 7	S 31

Julian Day Number = 2432398.5, Delta T = 28.10 sec
 Ecliptic obliquity = 23°26'51, Nutation = - 0°00'13, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 24°00'29, Lahiri = 23°07'30

ASTRODIENST EPHEMERIS for the year 1947
geocentric

SEPTEMBER 1947

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	22 37 16	7 ^h 43'05	11 ^h 14'14	10 ^h 29'29	7 ^h 1'1	11 ^h 54'42	20 ^h 15'50	15 ^h 45'45	25 ^h 11'45	9 ^h 21'21	13 ^h 44'44	26 ^h 51'17	27 ^h 17'17	23 ^h 42'42	5 ^h 11'30	M 1
T 2	22 41 12	8 ^h 41'07	23 ^h 41'12	12 ^h 22'22	8 ^h 15'15	12 ^h 20'20	20 ^h 58'58	15 ^h 53'53	25 ^h 46'46	9 ^h 23'23	13 ^h 45'45	26 ^h 38'38	27 ^h 14'14	23 ^h 49'49	5 ^h 36'36	T 2
W 3	22 45 9	9 ^h 39'11	6 ^h 19'19	14 ^h 15'15	9 ^h 29'29	12 ^h 58'58	21 ^h 6'6	16 ^h 0'0	25 ^h 48'48	9 ^h 25'25	13 ^h 47'47	26 ^h 28'28	27 ^h 10'10	23 ^h 56'56	5 ^h 42'42	W 3
T 4	22 49 5	10 ^h 37'17	19 ^h 6'6	16 ^h 6'6	10 ^h 44'44	13 ^h 35'35	21 ^h 14'14	16 ^h 7'7	25 ^h 49'49	9 ^h 27'27	13 ^h 49'49	26 ^h 21'21	27 ^h 7'7	24 ^h 2'2	5 ^h 48'48	T 4
F 5	22 53 2	11 ^h 35'25	2 ^h 8'5	17 ^h 56'56	11 ^h 58'58	14 ^h 13'13	21 ^h 22'22	16 ^h 15'15	25 ^h 51'51	9 ^h 29'29	13 ^h 50'50	26 ^h 16'16	27 ^h 4'4	24 ^h 9'9	5 ^h 54'54	F 5
S 6	22 56 58	12 ^h 33'35	15 ^h 17'17	19 ^h 45'45	13 ^h 13'13	14 ^h 51'51	21 ^h 30'30	16 ^h 22'22	25 ^h 52'52	9 ^h 31'31	13 ^h 52'52	26 ^h 14'14	27 ^h 1'1	24 ^h 16'16	6 ^h 0'0	S 6
S 7	23 0 55	13 ^h 31'47	28 ^h 42'42	21 ^h 32'32	14 ^h 27'27	15 ^h 28'28	21 ^h 38'38	16 ^h 29'29	25 ^h 53'53	9 ^h 33'33	13 ^h 54'54	26 ^h D13	26 ^h 58'58	24 ^h 23'23	6 ^h 6'6	S 7
M 8	23 4 51	14 ^h 30'01	12 ^h 11'21	23 ^h 19'19	15 ^h 42'42	16 ^h 6'6	21 ^h 46'46	16 ^h 36'36	25 ^h 55'55	9 ^h 35'35	13 ^h 55'55	26 ^h R14	26 ^h 54'54	24 ^h 29'29	6 ^h 13'13	M 8
T 9	23 8 48	15 ^h 28'17	26 ^h 21'21	25 ^h 4'4	16 ^h 56'56	16 ^h 43'43	21 ^h 55'55	16 ^h 43'43	25 ^h 56'56	9 ^h 37'37	13 ^h 57'57	26 ^h 13'13	26 ^h 51'51	24 ^h 36'36	6 ^h 19'19	T 9
W10	23 12 45	16 ^h 26'35	10 ^h 53'35	26 ^h 48'48	18 ^h 11'11	17 ^h 20'20	22 ^h 4'4	16 ^h 50'50	25 ^h 57'57	9 ^h 39'39	13 ^h 58'58	26 ^h 11'11	26 ^h 48'48	24 ^h 43'43	6 ^h 25'25	W10
T 11	23 16 41	17 ^h 24'56	25 ^h 5'5	28 ^h 31'31	19 ^h 26'26	17 ^h 57'57	22 ^h 12'12	16 ^h 57'57	25 ^h 58'58	9 ^h 41'41	14 ^h 0'0	26 ^h 7'7	26 ^h 45'45	24 ^h 49'49	6 ^h 32'32	T 11
F 12	23 20 38	18 ^h 23'18	9 ^h 47'47	0 ^h 13'13	20 ^h 40'40	18 ^h 34'34	22 ^h 21'21	17 ^h 4'4	25 ^h 59'59	9 ^h 43'43	14 ^h 1'1	26 ^h 0'0	26 ^h 42'42	24 ^h 56'56	6 ^h 38'38	F 12
S 13	23 24 34	19 ^h 21'43	24 ^h 33'33	1 ^h 54'54	21 ^h 55'55	19 ^h 11'11	22 ^h 30'30	17 ^h 11'11	26 ^h 0'0	9 ^h 45'45	14 ^h 3'3	25 ^h 51'51	26 ^h 39'39	25 ^h 3'3	6 ^h 45'45	S 13
S 14	23 28 31	20 ^h 20'09	9 ^h 18'18	3 ^h 33'33	23 ^h 9'9	19 ^h 48'48	22 ^h 39'39	17 ^h 18'18	26 ^h 1'1	9 ^h 47'47	14 ^h 4'4	25 ^h 41'41	26 ^h 35'35	25 ^h 9'9	6 ^h 52'52	S 14
M15	23 32 27	21 ^h 18'37	23 ^h 51'51	5 ^h 12'12	24 ^h 24'24	20 ^h 25'25	22 ^h 49'49	17 ^h 25'25	26 ^h 2'2	9 ^h 50'50	14 ^h 6'6	25 ^h 31'31	26 ^h 32'32	25 ^h 16'16	6 ^h 58'58	M15
T 16	23 36 24	22 ^h 17'07	8 ^h 4'7	6 ^h 49'49	25 ^h 39'39	21 ^h 1'1	22 ^h 58'58	17 ^h 32'32	26 ^h 3'3	9 ^h 52'52	14 ^h 7'7	25 ^h 22'22	26 ^h 29'29	25 ^h 23'23	7 ^h 5'5	T 16
W17	23 40 20	23 ^h 15'39	22 ^h 0'0	8 ^h 26'26	26 ^h 53'53	21 ^h 38'38	23 ^h 7'7	17 ^h 39'39	26 ^h 4'4	9 ^h 54'54	14 ^h 9'9	25 ^h 16'16	26 ^h 26'26	25 ^h 30'30	7 ^h 12'12	W17
T 18	23 44 17	24 ^h 14'12	5 ^h 11'27	10 ^h 1'1	28 ^h 8'8	22 ^h 14'14	23 ^h 17'17	17 ^h 45'45	26 ^h 5'5	9 ^h 56'56	14 ^h 10'10	25 ^h 11'11	26 ^h 23'23	25 ^h 36'36	7 ^h 19'19	T 18
F 19	23 48 14	25 ^h 12'48	18 ^h 29'29	11 ^h 36'36	29 ^h 23'23	22 ^h 50'50	23 ^h 26'26	17 ^h 52'52	26 ^h 6'6	9 ^h 58'58	14 ^h 12'12	25 ^h 10'10	26 ^h 20'20	25 ^h 43'43	7 ^h 26'26	F 19
S 20	23 52 10	26 ^h 11'25	1 ^h 17'8	13 ^h 9'9	0 ^h 37'37	23 ^h 26'26	23 ^h 36'36	17 ^h 59'59	26 ^h 6'6	10 ^h 0'0	14 ^h 13'13	25 ^h D10	26 ^h 16'16	25 ^h 50'50	7 ^h 33'33	S 20
S 21	23 56 7	27 ^h 10'04	13 ^h 27'27	14 ^h 41'41	1 ^h 52'52	24 ^h 2'2	23 ^h 46'46	18 ^h 5'5	26 ^h 7'7	10 ^h 3'3	14 ^h 15'15	25 ^h 10'10	26 ^h 13'13	25 ^h 56'56	7 ^h 40'40	S 21
M22	0 0 3	28 ^h 8'44	25 ^h 32'32	16 ^h 12'12	3 ^h 7'7	24 ^h 38'38	23 ^h 56'56	18 ^h 12'12	26 ^h 7'7	10 ^h 5'5	14 ^h 16'16	25 ^h R11	26 ^h 10'10	26 ^h 3'3	7 ^h 47'47	M22
T 23	0 4 0	29 ^h 7'27	7 ^h 38'38	17 ^h 43'43	4 ^h 21'21	25 ^h 14'14	24 ^h 6'6	18 ^h 18'18	26 ^h 8'8	10 ^h 7'7	14 ^h 17'17	25 ^h 11'11	26 ^h 7'7	26 ^h 10'10	7 ^h 54'54	T 23
W24	0 7 56	0 ^h 6'11	19 ^h 12'12	19 ^h 12'12	5 ^h 36'36	25 ^h 50'50	24 ^h 16'16	18 ^h 25'25	26 ^h 9'9	10 ^h 9'9	14 ^h 19'19	25 ^h 8'8	26 ^h 4'4	26 ^h 17'17	8 ^h 2'2	W24
T 25	0 11 53	1 ^h 4'56	1 ^h 11'53	20 ^h 40'40	6 ^h 51'51	26 ^h 25'25	24 ^h 26'26	18 ^h 31'31	26 ^h 9'9	10 ^h 11'11	14 ^h 20'20	25 ^h 4'4	26 ^h 0'0	26 ^h 23'23	8 ^h 9'9	T 25
F 26	0 15 49	2 ^h 3'44	13 ^h 7'7	22 ^h 8'8	8 ^h 6'6	27 ^h 1'1	24 ^h 37'37	18 ^h 38'38	26 ^h 9'9	10 ^h 14'14	14 ^h 21'21	24 ^h 58'58	25 ^h 57'57	26 ^h 30'30	8 ^h 16'16	F 26
S 27	0 19 46	3 ^h 2'33	25 ^h 13'13	23 ^h 34'34	9 ^h 20'20	27 ^h 36'36	24 ^h 47'47	18 ^h 44'44	26 ^h 10'10	10 ^h 16'16	14 ^h 23'23	24 ^h 50'50	25 ^h 54'54	26 ^h 37'37	8 ^h 24'24	S 27
S 28	0 23 43	4 ^h 1'24	7 ^h 12'29	24 ^h 59'59	10 ^h 35'35	28 ^h 11'11	24 ^h 58'58	18 ^h 50'50	26 ^h 10'10	10 ^h 18'18	14 ^h 24'24	24 ^h 40'40	25 ^h 51'51	26 ^h 43'43	8 ^h 31'31	S 28
M29	0 27 39	5 ^h 0'17	19 ^h 58'58	26 ^h 23'23	11 ^h 50'50	28 ^h 47'47	25 ^h 8'8	18 ^h 56'56	26 ^h 10'10	10 ^h 20'20	14 ^h 25'25	24 ^h 31'31	25 ^h 48'48	26 ^h 50'50	8 ^h 38'38	M29
T 30	0 31 36	5 ^h 59'12	2 ^h 14'41	27 ^h 46'46	13 ^h 5'5	29 ^h 52'52	25 ^h 11'19	19 ^h 4'2	26 ^h 11'10	10 ^h 23'23	14 ^h 26'26	24 ^h 32'32	25 ^h 49'49	26 ^h 57'57	8 ^h 46'46	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
M 1	8n41	11s50	4s51	9n 9	1n38	10n14	1n23	23n26	0n30	17s13	0n47	16n52	0n47	23n30	0n 7	2s21	1n29	23n15	6n50	19n27	19n34	25s35	12s 2	1n24					
T 2	8 19	6 36	4 28	8 23	1 35	9 46	1 24	23 23	0 31	17 15	0 47	16 50	0 47	23 30	0 7	2 21	1 29	23 15	6 50	19 25	19 33	25 35	12 4	1 25					
W 3	7 57	1 2	3 51	7 36	1 31	9 19	1 24	23 21	0 32	17 17	0 47	16 48	0 47	23 30	0 7	2 22	1 29	23 14	6 51	19 22	19 32	25 34	12 6	1 25					
T 4	7 35	4n40	3 3	6 49	1 27	8 51	1 24	23 18	0 33	17 19	0 47	16 46	0 47	23 30	0 7	2 23	1 29	23 14	6 51	19 21	19 31	25 33	12 7	1 25					
F 5	7 13	10 16	2 4	6 2	1 23	8 23	1 25	23 15	0 34	17 22	0 46	16 44	0 47	23 30	0 7	2 24	1 29	23 14	6 51	19 19	19 31	25 33	12 9	1 25					
S 6	6 51	15 30	0 58	5 15	1 18	7 54	1 25	23 12	0 35	17 24	0 46	16 41	0 47	23 30	0 7	2 25	1 29	23 13	6 51	19 19	19 30	25 32	12 11	1 25					
S 7	6 29	20 5	0n13	4 28	1 13	7 26	1 25	23 8	0 36	17 26	0 46	16 39	0 47	23 30	0 7	2 25	1 29	23 13	6 51	19 19	19 29	25 31	12 13	1 25					
M 8	6 6	23 41	1 25	3 41	1 7	6 57	1 25	23 5	0 37	17 29	0 46	16 37	0 48	23 30	0 7	2 26	1 29	23 13	6 51	19 19	19 28	25 30	12 15	1 26					
T 9	5 44	25 56	2 33	2 54	1 2	6 28	1 25	23 1	0 38	17 31	0 46	16 35	0 48	23 30	0 7	2 27	1 29	23 12	6 52	19 19	19 28	25 30	12 17	1 26					
W10	5 21	26 33	3 32	2 7	0 56	5 58	1 25	22 58	0 39	17 33	0 45	16 33	0 48	23 30	0 7	2 28	1 29	23 12	6 52	19 18	19 27	25 29	12 19	1 26					
T 11	4 58	25 23	4 20	1 21	0 49	5 29	1 24	22 54	0 39	17 36	0 45	16 31	0 48	23 31	0 7	2 29	1 29	23 12	6 52	19 17	19 26	25 28	12 21	1 26					
F 12	4 36	22 28	4 51	0 34	0 43	4 59	1 24	22 50	0 40	17 38	0 45	16 29	0 48	23 31	0 7	2 30	1 29	23 11	6 52	19 16	19 25	25 27	12 23	1 26					
S 13	4 13	18 5	5 3	0s12	0 36	4 30	1 24	22 45	0 41	17 41	0 45	16 27	0 48	23 31	0 7	2 30	1 29	23 11	6 52	19 14	19 25	25 27	12 25	1 26					
S 14	3 50	12 38	4 54	0 58	0 30	4 0	1 24	22 41	0 42	17 43	0 45	16 25	0 48	23 31	0 7	2 31	1 29	23 11	6 52	19 11	19 24	25 26	12 27	1 27					
M15	3 27	6 31	4 27	1 43	0 23	3 30	1 23	22 37	0 43	17 46	0 45	16 23	0 48	23 31	0 7	2 32	1 29	23 11	6 53	19 9	19 23	25 25	12 29	1 27					
T 16	3 4	0 12	3 43	2 28	0 16	3 0	1 23	22 32	0 44	17 48	0 44	16 21	0 49	23 31	0 7	2 33	1 29	23 10	6 53	19 7	19 23	25 24	12 31	1 27					
W17	2 41	5s59	2 47	3 13	0 8	2 30	1 22	22 27	0 45	17 51	0 44	16 19	0 49	23 31	0 7	2 34	1 29	23 10	6 53	19 5	19 22	25 23	12 33	1 27					
T 18	2 17	11 43	1 43	3 57	0 1	1 59	1 21	22 22	0 46	17 53	0 44	16 17	0 49	23 31	0 7	2 35	1 29	23 10	6 53	19 4	19 21	25 22	12 35	1 27					
F 19	1 54	16 46	0 36	4 41	0s 6	1 29	1 21	22 17	0 47	17 56	0 44	16 16	0 49	23 31	0 8	2 35	1 29	23 9	6 53	19 4	19 20	25 22	12 37	1 28					
S 20	1 31	20 55	0s32	5 24	0 14	0 59	1 20	22 12	0 48	17 59	0 44	16 14	0 49	23 31	0 8	2 36	1 29	23 9	6 54	19 4	19 20	25 21	12 39	1 28					
S 21	1 8	24 1	1 36	6 7	0 21	0 28	1 19	22 7	0 49	18 1	0 43	16 12	0 49	23 31	0 8	2 37	1 29	23 9	6 54	19 4	19 19	25 20	12 41	1 28					
M22	0 44	25 58	2 35	6 49	0 29	0s 2	1 18	22 2	0 50	18 4	0 43	16 10	0 49	23 31	0 8	2 38	1 29	23 9	6 54	19 4	19 18	25 19	12 43	1 28					
T 23	0 21	26 41	3 27	7 31	0 36	0 33	1 17	21 56	0 51	18 6	0 43	16 8	0 50	23 31	0 8	2 39	1 29	23 9	6 54	19 4	19 17	25 18	12 45	1 28					
W24	0s 2	26 9	4 9	8 12	0 44	1 3	1 16	21 51	0 52	18 9	0 43	16 6	0 50	23 31	0 8	2 40	1 29	23 8	6 54	19 3	19 17	25 17	12 48	1 28					
T 25	0 26	24 27	4 40	8 52	0 51	1 34	1 15	21 45	0 53	18 12	0 43	16 4	0 50	23 31	0 8	2 41	1 29	23 8	6 55	19 2	19 16	25 16	12 50	1 29					
F 26	0 49	21 40	5 0	9 32	0 59	2 5	1 14	21 39	0 54	18 14	0 43	16 2	0 50	23 31	0 8	2 42	1 29	23 8	6 55	19 1	19 15	25 16	12 52	1 29					
S 27	1 13	17 55	5 6	10 11	1 6	2 35	1 13	21 33	0 55	18 17	0 42	16 1	0 50	23 31	0 8	2 42	1 29	23 8	6 55	18 59	19 14	25 15	12 54	1 29					
S 28	1 36	13 23	4 59	10 49	1 14	3 5	1 12	21 27	0 56	18 20	0 42	15 59	0 50	23 31	0 8	2 43	1 29	23 8	6 55	18 57	19 14	25 14	12 56	1 29					
M29	1 59	8 13	4 37	11 27	1 21	3 36	1 10	21 21	0 57	18 23	0 42	15 57	0 50	23 31	0 8	2 44	1 29	23 7	6 55	18 54	19 13	25 13	12 58	1 29					
T 30	2s23	2s37	4s 1	12s 4	1s29	4s 6	1n 9	21n15	0n58	18s25	0n42	15n55	0n51	23n31	0n 8	2s45	1n29	23n 7	6n56	18n52	19n12	25s12	13s 1	1n30					

ASTRODIENST EPHEMERIS for the year 1947

geocentric

OCTOBER 1947

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	0 35 32	6♂58'08	15°V37	29♂ 8	14♂19	29♂56	25♂30	19♂ 8	26♂10	10♂25	14♂28	24°R15	25♂41	27♂ 3	8♂53	W 1
T 2	0 39 29	7°57'07	28°45	0♂29	15°34	0♂31	25°41	19°14	26°10	10°27	14°29	24♂11	25°38	27°10	9° 1	T 2
F 3	0 43 25	8°56'08	12♂ 6	1°48	16°49	1° 6	25°52	19°20	26°R10	10°29	14°30	24° 8	25°35	27°17	9° 9	F 3
S 4	0 47 22	9°55'12	25°37	3° 6	18° 4	1°40	26° 3	19°26	26°10	10°31	14°31	24°D 7	25°32	27°24	9°16	S 4
S 5	0 51 18	10°54'17	9♂18	4°23	19°18	2°15	26°14	19°32	26°10	10°34	14°32	24° 8	25°29	27°30	9°24	S 5
M 6	0 55 15	11°53'25	23° 9	5°39	20°33	2°49	26°25	19°37	26°10	10°36	14°33	24° 9	25°26	27°37	9°32	M 6
T 7	0 59 12	12°52'36	7♂ 9	6°53	21°48	3°23	26°36	19°43	26°10	10°38	14°34	24°R10	25°22	27°44	9°39	T 7
W 8	1 3 8	13°51'48	21°17	8° 6	23° 3	3°57	26°48	19°49	26°10	10°40	14°36	24°10	25°19	27°50	9°47	W 8
T 9	1 7 5	14°51'03	5♂32	9°16	24°18	4°31	26°59	19°54	26° 9	10°43	14°37	24° 8	25°16	27°57	9°55	T 9
F 10	1 11 1	15°50'21	19°52	10°25	25°32	5° 4	27°10	20° 0	26° 9	10°45	14°38	24° 5	25°13	28° 4	10° 3	F 10
S 11	1 14 58	16°49'40	4♂13	11°33	26°47	5°38	27°22	20° 5	26° 9	10°47	14°39	24° 0	25°10	28°11	10°11	S 11
S 12	1 18 54	17°49'02	18°29	12°37	28° 2	6°11	27°34	20°10	26° 8	10°49	14°40	23°54	25° 6	28°17	10°19	S 12
M13	1 22 51	18°48'26	2♂37	13°40	29°17	6°45	27°45	20°16	26° 8	10°52	14°41	23°49	25° 3	28°24	10°27	M13
T 14	1 26 47	19°47'52	16°31	14°40	0♂32	7°18	27°57	20°21	26° 7	10°54	14°41	23°44	25° 0	28°31	10°35	T 14
W15	1 30 44	20°47'20	0♂ 8	15°38	1°47	7°51	28° 9	20°26	26° 7	10°56	14°42	23°40	24°57	28°37	10°43	W15
T 16	1 34 41	21°46'51	13°25	16°32	3° 1	8°24	28°21	20°31	26° 6	10°58	14°43	23°38	24°54	28°44	10°51	T 16
F 17	1 38 37	22°46'23	26°21	17°23	4°16	8°56	28°33	20°36	26° 5	11° 0	14°44	23°D38	24°51	28°51	10°59	F 17
S 18	1 42 34	23°45'57	8♂58	18°11	5°31	9°29	28°45	20°41	26° 4	11° 3	14°45	23°39	24°47	28°57	11° 7	S 18
S 19	1 46 30	24°45'33	21°18	18°54	6°46	10° 1	28°57	20°45	26° 4	11° 5	14°46	23°40	24°44	29° 4	11°15	S 19
M20	1 50 27	25°45'11	3♂24	19°33	8° 1	10°33	29° 9	20°50	26° 3	11° 7	14°46	23°42	24°41	29°11	11°23	M20
T 21	1 54 23	26°44'50	15°20	20° 7	9°16	11° 5	29°21	20°55	26° 2	11° 9	14°47	23°44	24°38	29°18	11°31	T 21
W22	1 58 20	27°44'32	27°13	20°36	10°31	11°37	29°34	20°59	26° 1	11°11	14°48	23°R44	24°35	29°24	11°39	W22
T 23	2 2 16	28°44'15	9♂ 5	20°59	11°45	12° 9	29°46	21° 3	26° 0	11°13	14°49	23°44	24°32	29°31	11°47	T 23
F 24	2 6 13	29°43'59	21° 3	21°15	13° 0	12°40	29°58	21° 8	25°59	11°16	14°49	23°42	24°28	29°38	11°56	F 24
S 25	2 10 10	0♂43'46	3♂10	21°25	14°15	13°11	0♂11	21°12	25°58	11°18	14°50	23°39	24°25	29°44	12° 4	S 25
S 26	2 14 6	1°43'34	15°31	21°R27	15°30	13°42	0°23	21°16	25°56	11°20	14°51	23°36	24°22	29°51	12°12	S 26
M27	2 18 3	2°43'24	28° 8	21°20	16°45	14°13	0°36	21°20	25°55	11°22	14°51	23°33	24°19	29°58	12°20	M27
T 28	2 21 59	3°43'15	11°V 2	21° 5	18° 0	14°44	0°49	21°24	25°54	11°24	14°52	23°30	24°16	0° 5	12°28	T 28
W29	2 25 56	4°43'09	24°15	20°41	19°15	15°15	1° 1	21°28	25°53	11°26	14°52	23°27	24°12	0°11	12°37	W29
T 30	2 29 52	5°43'04	7♂46	20° 7	20°29	15°45	1°14	21°32	25°51	11°28	14°53	23°25	24° 9	0°18	12°45	T 30
F 31	2 33 49	6♂43'01	21♂31	19♂25	21♂44	16♂15	1♂27	21♂36	25♂50	11♂30	14♂53	23°D25	24♂ 6	0° 5	12♂53	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	2s46	3n11	3s12	12s40	1s36	4s36	1n 8	21n 8	0n59	18s28	0n42	15n54	0n51	23n31	0n 8	2s46
T 2	3 9	8 58	2 13	13 15	1 43	5 7	1 6	21 2	1 1	18 31	0 42	15 52	0 51	23 31	0 8	2 47
F 3	3 33	14 27	1 5	13 50	1 50	5 37	1 5	20 55	1 2	18 33	0 41	15 50	0 51	23 31	0 8	2 48
S 4	3 56	19 18	0n 8	14 23	1 57	6 7	1 3	20 49	1 3	18 36	0 41	15 48	0 51	23 31	0 8	2 48
S 5	4 19	23 12	1 21	14 56	2 4	6 37	1 2	20 42	1 4	18 39	0 41	15 47	0 51	23 31	0 8	2 49
M 6	4 42	25 47	2 31	15 27	2 10	7 6	1 0	20 35	1 5	18 42	0 41	15 45	0 51	23 31	0 8	2 50
T 7	5 5	26 47	3 32	15 58	2 17	7 36	0 58	20 28	1 6	18 44	0 41	15 43	0 52	23 31	0 8	2 51
W 8	5 28	26 3	4 21	16 28	2 23	8 5	0 56	20 21	1 7	18 47	0 41	15 42	0 52	23 31	0 8	2 52
T 9	5 51	23 38	4 54	16 56	2 29	8 34	0 55	20 14	1 8	18 50	0 41	15 40	0 52	23 31	0 8	2 53
F 10	6 14	19 45	5 9	17 24	2 35	9 4	0 53	20 7	1 9	18 53	0 40	15 39	0 52	23 31	0 8	2 54
S 11	6 37	14 42	5 5	17 50	2 40	9 32	0 51	20 0	1 10	18 56	0 40	15 37	0 52	23 31	0 8	2 55
S 12	7 0	8 53	4 42	18 15	2 45	10 1	0 49	19 53	1 11	18 58	0 40	15 36	0 52	23 31	0 8	2 55
M13	7 22	2 40	4 2	18 39	2 50	10 29	0 47	19 46	1 13	19 1	0 40	15 34	0 53	23 31	0 8	2 56
T 14	7 45	3s36	3 9	19 1	2 54	10 58	0 45	19 38	1 14	19 4	0 40	15 33	0 53	23 31	0 8	2 57
W15	8 7	9 35	2 5	19 22	2 58	11 25	0 43	19 31	1 15	19 7	0 40	15 31	0 53	23 31	0 8	2 58
T 16	8 29	14 59	0 56	19 41	3 2	11 53	0 41	19 24	1 16	19 9	0 40	15 30	0 53	23 31	0 8	2 59
F 17	8 52	19 35	0 56	19 59	3 5	12 20	0 39	19 16	1 17	19 12	0 39	15 28	0 53	23 31	0 8	3 0
S 18	9 14	23 10	1 23	20 14	3 7	12 48	0 37	19 9	1 18	19 15	0 39	15 27	0 53	23 31	0 8	3 1
S 19	9 36	25 35	2 26	20 28	3 9	13 14	0 34	19 1	1 19	19 18	0 39	15 26	0 54	23 31	0 8	3 1
M20	9 57	26 45	3 21	20 40	3 10	13 41	0 32	18 53	1 21	19 20	0 39	15 24	0 54	23 31	0 8	3 2
T 21	10 19	26 39	4 7	20 49	3 10	14 7	0 30	18 46	1 22	19 23	0 39	15 23	0 54	23 31	0 8	3 3
W22	10 40	25 19	4 41	20 57	3 9	14 33	0 28	18 38	1 23	19 26	0 39	15 22	0 54	23 31	0 8	3 4
T 23	11 2	22 52	5 4	21 1	3 7	14 58	0 25	18 30	1 24	19 29	0 39	15 20	0 54	23 31	0 8	3 5
F 24	11 23	19 26	5 14	21 3	3 5	15 23	0 23	18 23	1 25	19 31	0 39	15 19	0 54	23 31	0 8	3 5
S 25	11 44	15 9	5 10	21 2	3 1	15 48	0 20	18 15	1 27	19 34	0 38	15 18	0 55	23 31	0 8	3 6
S 26	12 5	10 11	4 52	20 57	2 55	16 12	0 18	18 7	1 28	19 37	0 38	15 17	0 55	23 31	0 8	3 7
M27	12 25	4 42	4 19	20 49	2 49	16 36	0 16	17 59	1 29	19 40	0 38	15 16	0 55	23 31	0 8	3 8
T 28	12 46	1n 6	3 33	20 37	2 41	16 59	0 13	17 52	1 30	19 42	0 38	15 15	0 55	23 31	0 8	3 9
W29	13 6	7 1	2 34	20 21	2 31	17 22	0 11	17 44	1 32	19 45	0 38	15 13	0 55	23 31	0 8	3 10
T 30	13 26	12 45	1 25	20 1	2 19	17 45	0 8	17 36	1 33	19 48	0 38	15 12	0 55	23 31	0 8	3 10
F 31	13s46	17n59	0s10	19s36	2s 6	18s 7	0n 6	17n28	1n34	19s51	0n38	15n11	0n56	23n31	0n 8	3s11

Julian Day Number = 2432459.5, Delta T = 28.15 sec
 Ecliptic obliquity = 23°26'52, Nutation = - 0°00'15, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 24°00'38, Lahiri = 23°07'38

ASTRODIENST EPHEMERIS for the year 1947

geocentric

NOVEMBER 1947

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	2 37 45	7♍43°01	5♊30	18°R33	22♍59	16♌45	1♊39	21♌39	25°R49	11♎32	14♌54	23♎25	24♎3	0♎31	13♍1	S 1	
S 2	2 41 42	8°43'02	19°37	17♍33	24°14	17°15	1°52	21°43	25♊47	11°34	14°54	23°26	24° 0	0°38	13°10	S 2	
M 3	2 45 39	9°43'06	3♎50	16°25	25°29	17°45	2° 5	21°46	25°46	11°36	14°55	23°27	23°57	0°45	13°18	M 3	
T 4	2 49 35	10°43'11	18° 6	15°12	26°44	18°14	2°18	21°50	25°44	11°38	14°55	23°28	23°53	0°52	13°26	T 4	
W 5	2 53 32	11°43'19	2♌20	13°55	27°58	18°43	2°31	21°53	25°42	11°40	14°55	23°29	23°50	0°58	13°35	W 5	
T 6	2 57 28	12°43'29	16°32	12°36	29°13	19°12	2°44	21°56	25°41	11°42	14°56	23°R29	23°47	1° 5	13°43	T 6	
F 7	3 1 25	13°43'41	0♍38	11°18	0♊28	19°41	2°57	21°59	25°39	11°44	14°56	23°29	23°44	1°12	13°51	F 7	
S 8	3 5 21	14°43'55	14°37	10° 3	1°43	20° 9	3°10	22° 2	25°37	11°46	14°56	23°28	23°41	1°18	13°59	S 8	
S 9	3 9 18	15°44'11	28°27	8°54	2°58	20°37	3°23	22° 5	25°36	11°48	14°56	23°27	23°37	1°25	14° 8	S 9	
M10	3 13 14	16°44'29	12♎6	7°53	4°13	21° 5	3°36	22° 7	25°34	11°50	14°57	23°26	23°34	1°32	14°16	M10	
T 11	3 17 11	17°44'49	25°33	7° 2	5°28	21°33	3°49	22°10	25°32	11°52	14°57	23°25	23°31	1°39	14°24	T 11	
W12	3 21 8	18°45'11	8♍46	6°21	6°42	22° 1	4° 2	22°13	25°30	11°54	14°57	23°25	23°28	1°45	14°33	W12	
T 13	3 25 4	19°45'34	21°44	5°52	7°57	22°28	4°16	22°15	25°28	11°56	14°57	23°D25	23°25	1°52	14°41	T 13	
F 14	3 29 1	20°45'59	4♊27	5°34	9°12	22°55	4°29	22°17	25°26	11°58	14°57	23°25	23°22	1°59	14°49	F 14	
S 15	3 32 57	21°46'26	16°55	5°D28	10°27	23°22	4°42	22°19	25°24	12° 0	14°57	23°25	23°18	2° 5	14°57	S 15	
S 16	3 36 54	22°46'55	29°11	5°34	11°42	23°48	4°55	22°22	25°22	12° 1	14°57	23°25	23°15	2°12	15° 6	S 16	
M17	3 40 50	23°47'24	11♎15	5°49	12°57	24°14	5° 9	22°24	25°20	12° 3	14°R57	23°R25	23°12	2°19	15°14	M17	
T 18	3 44 47	24°47'56	23°12	6°15	14°11	24°40	5°22	22°25	25°18	12° 5	14°57	23°25	23° 9	2°26	15°22	T 18	
W19	3 48 43	25°48'28	5♎4	6°49	15°26	25° 6	5°35	22°27	25°16	12° 7	14°57	23°25	23° 6	2°32	15°30	W19	
T 20	3 52 40	26°49'02	16°56	7°31	16°41	25°31	5°49	22°29	25°14	12° 8	14°57	23°24	23° 3	2°39	15°38	T 20	
F 21	3 56 37	27°49'37	28°52	8°20	17°56	25°56	6° 2	22°30	25°12	12°10	14°57	23°D24	22°59	2°46	15°47	F 21	
S 22	4 0 33	28°50'13	10♊57	9°15	19°11	26°21	6°15	22°32	25° 9	12°12	14°57	23°25	22°56	2°52	15°55	S 22	
S 23	4 4 30	29°50'50	23°16	10°16	20°26	26°46	6°29	22°33	25° 7	12°13	14°57	23°25	22°53	2°59	16° 3	S 23	
M24	4 8 26	0♊51'29	5°Y53	11°21	21°40	27°10	6°42	22°34	25° 5	12°15	14°57	23°26	22°50	3° 6	16°11	M24	
T 25	4 12 23	1°52'08	18°51	12°31	22°55	27°34	6°56	22°36	25° 3	12°17	14°56	23°26	22°47	3°13	16°19	T 25	
W26	4 16 19	2°52'49	2♎12	13°44	24°10	27°57	7° 9	22°37	25° 0	12°18	14°56	23°27	22°43	3°19	16°27	W26	
T 27	4 20 16	3°53'31	15°56	15° 0	25°25	28°20	7°22	22°37	24°58	12°20	14°56	23°28	22°40	3°26	16°35	T 27	
F 28	4 24 12	4°54'15	0♊3	16°18	26°39	28°43	7°36	22°38	24°56	12°21	14°56	23°R28	22°37	3°33	16°43	F 28	
S 29	4 28 9	5°54'59	14°27	17°39	27°54	29° 6	7°49	22°39	24°53	12°23	14°55	23°27	22°34	3°39	16°51	S 29	
S 30	4 32 6	6♊55'45	29♊4	19♍2	29♊9	29♌28	8♊3	22♌39	24♊51	12♎24	14♌55	23♎26	22♎31	3♎46	16♍59	S 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
S 1	14s 5	22n19	1n 6	19s 8	1s51	18s28	0n 3	17n20	1n35	19s53	0n38	15n10	0n56	23n31	0n 8	3s12	1n29	23n 7	7n 4	18n38	18n47	24s39	14s13	1n37					
S 2	14 25	25 22	2 20	18 35	1 34	18 49	0 1	17 12	1 37	19 56	0 37	15 9	0 56	23 31	0 8	3 13	1 29	23 7	7 4	18 38	18 47	24 38	14 15	1 37					
M 3	14 44	26 49	3 25	17 58	1 16	19 10	0s 2	17 5	1 38	19 59	0 37	15 8	0 56	23 31	0 8	3 13	1 29	23 7	7 4	18 39	18 46	24 37	14 17	1 37					
T 4	15 3	26 29	4 18	17 18	0 57	19 30	0 4	16 57	1 39	20 1	0 37	15 8	0 56	23 31	0 8	3 14	1 29	23 7	7 4	18 39	18 45	24 36	14 20	1 38					
W 5	15 21	24 26	4 55	16 36	0 37	19 49	0 7	16 49	1 41	20 4	0 37	15 7	0 57	23 31	0 8	3 15	1 29	23 7	7 5	18 39	18 44	24 34	14 22	1 38					
T 6	15 40	20 52	5 14	15 53	0 16	20 8	0 9	16 41	1 42	20 6	0 37	15 6	0 57	23 31	0 8	3 16	1 29	23 7	7 5	18 39	18 44	24 33	14 24	1 38					
F 7	15 58	16 8	5 14	15 9	0n 4	20 27	0 12	16 33	1 43	20 9	0 37	15 5	0 57	23 31	0 8	3 16	1 29	23 7	7 5	18 39	18 43	24 32	14 26	1 38					
S 8	16 16	10 36	4 55	14 27	0 25	20 45	0 14	16 26	1 45	20 12	0 37	15 4	0 57	23 31	0 8	3 17	1 29	23 8	7 5	18 39	18 42	24 31	14 28	1 39					
S 9	16 33	4 35	4 20	13 47	0 44	21 2	0 17	16 18	1 46	20 14	0 37	15 4	0 57	23 31	0 8	3 18	1 29	23 8	7 6	18 38	18 41	24 30	14 31	1 39					
M10	16 51	1s34	3 29	13 10	1 2	21 19	0 19	16 10	1 47	20 17	0 37	15 3	0 57	23 31	0 8	3 19	1 29	23 8	7 6	18 38	18 40	24 29	14 33	1 39					
T 11	17 8	7 35	2 28	12 38	1 19	21 35	0 22	16 3	1 49	20 19	0 36	15 2	0 58	23 31	0 8	3 19	1 29	23 8	7 6	18 38	18 40	24 27	14 35	1 39					
W12	17 24	13 9	1 20	12 10	1 33	21 50	0 24	15 55	1 50	20 22	0 36	15 2	0 58	23 31	0 8	3 20	1 29	23 8	7 7	18 38	18 39	24 26	14 37	1 40					
T 13	17 41	18 3	0 9	11 49	1 46	22 5	0 27	15 47	1 52	20 25	0 36	15 1	0 58	23 31	0 8	3 21	1 30	23 9	7 7	18 38	18 38	24 25	14 39	1 40					
F 14	17 57	22 2	1s 1	11 33	1 57	22 19	0 29	15 40	1 53	20 27	0 36	15 0	0 58	23 31	0 8	3 21	1 30	23 9	7 7	18 38	18 37	24 24	14 41	1 40					
S 15	18 13	24 54	2 7	11 22	2 6	22 33	0 32	15 32	1 55	20 30	0 36	15 0	0 58	23 30	0 8	3 22	1 30	23 9	7 7	18 38	18 36	24 22	14 44	1 41					
S 16	18 28	26 32	3 6	11 17	2 13	22 46	0 34	15 25	1 56	20 32	0 36	14 59	0 59	23 30	0 8	3 23	1 30	23 9	7 8	18 38	18 36	24 21	14 46	1 41					
M17	18 44	26 53	3 55	11 17	2 18	22 58	0 37	15 18	1 57	20 35	0 36	14 59	0 59	23 30	0 8	3 23	1 30	23 10	7 8	18 38	18 35	24 20	14 48	1 41					
T 18	18 58	25 57	4 34	11 22	2 22	23 10	0 39	15 10	1 59	20 37	0 36	14 58	0 59	23 30	0 8	3 24	1 30	23 10	7 8	18 38	18 34	24 19	14 50	1 41					
W19	19 13	23 52	5 1	11 31	2 24	23 21	0 42	15 3	2 0	20 39	0 36	14 58	0 59	23 30	0 8	3 25	1 30	23 10	7 8	18 38	18 33	24 17	14 52	1 42					
T 20	19 27	20 46	5 15	11 44	2 25	23 31	0 44	14 56	2 2	20 42	0 36	14 58	0 59	23 30	0 8	3 25	1 30	23 10	7 9	18 38	18 32	24 16	14 54	1 42					
F 21	19 41	16 48	5 16	12 0	2 25	23 40	0 47	14 49	2 4	20 44	0 36	14 57	1 0	23 30	0 8	3 26	1 30	23 11	7 9	18 38	18 32	24 15	14 56	1 42					
S 22	19 54	12 7	5 2	12 19	2 23	23 49	0 49	14 42	2 5	20 47	0 35	14 57	1 0	23 30	0 9	3 27	1 30	23 11	7 9	18 38	18 31	24 14	14 58	1 43					
S 23	20 8	6 53	4 35	12 40	2 21	23 57	0 51	14 35	2 7	20 49	0 35	14 57	1 0	23 30	0 9	3 27	1 30	23 11	7 9	18 38	18 30	24 12	15 0	1 43					
M24	20 20	1 15	3 54	13 3	2 18	24 5	0 54	14 28	2 8	20 51	0 35	14 57	1 0	23 30	0 9	3 28	1 30	23 12	7 10	18 38	18 29	24 11	15 2	1 43					
T 25	20 33	4n36	3 0	13 28	2 14	24 11	0 56	14 21	2 10	20 54	0 35	14 56	1 0	23 30	0 9	3 28	1 30	23 12	7 10	18 38	18 28	24 10	15 4	1 44					
W26	20 45	10 26	1 55	13 54	2 10	24 17	0 58	14 15	2 11	20 56	0 35	14 56	1 1	23 30	0 9	3 29	1 30	23 12	7 10	18 39	18 28	24 8	15 6	1 44					
T 27	20 56	15 57	0 42	14 21	2 5	24 22	1 0	14 8	2 13	20 58	0 35	14 56	1 1	23 30	0 9	3 29	1 30	23 13	7 11	18 39	18 27	24 7	15 8	1 44					
F 28	21 7	20 46	0n36	14 49	1 59	24 27	1 2	14 2	2 15	21 1	0 35	14 56	1 1	23 30	0 9	3 30	1 30	23 13	7 11	18 39	18 26	24 6	15 10	1 45					
S 29	21 18	24 25	1 54	15 17	1 53	24 30	1 5	13 55	2 16	21 3	0 35	14 56	1 1	23 30	0 9	3 31	1 30	23 13	7 11	18 39	18 25	24 4	15 12	1 45					
S 30	21s28	26n31	3n 4	15s46	1n47	24s33	1s 7	13n49	2n18	21s 5	0n35	14n56	1n 1	23n29	0n 9	3s31	1n30	23n14	7n11	18n38	18n24	24s 3	15s14	1n45					

ASTRODIENST EPHEMERIS for the year 1947
geocentric

DECEMBER 1947

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
M 1	4 36 2	7♌56°33	13♋47	20♊26	0♈24	29♎49	8♌16	22♏40	24°R48	12♑26	14°R55	23°R24	22♋28	3♈53	17♊7	M 1
T 2	4 39 59	8°57'21	28°29	21°51	1°38	0♏11	8°30	22°40	24♐46	12°27	14♎54	23♋22	22°24	4°0	17°15	T 2
W 3	4 43 55	9°58'11	13♎2	23°18	2°53	0°32	8°43	22°40	24°44	12°29	14°54	23°20	22°21	4°6	17°23	W 3
T 4	4 47 52	10°59'03	27°24	24°46	4°8	0°53	8°57	22°R41	24°41	12°30	14°53	23°19	22°18	4°13	17°31	T 4
F 5	4 51 48	11°59'56	11♏30	26°14	5°23	1°13	9°10	22°41	24°39	12°31	14°53	23°D19	22°15	4°20	17°38	F 5
S 6	4 55 45	13°0'50	25°20	27°43	6°37	1°33	9°24	22°40	24°36	12°33	14°52	23°19	22°12	4°26	17°46	S 6
S 7	4 59 41	14°1'45	8♌52	29°13	7°52	1°52	9°37	22°40	24°34	12°34	14°52	23°20	22°9	4°33	17°54	S 7
M 8	5 3 38	15°2'42	22°9	0♌43	9°7	2°11	9°50	22°40	24°31	12°35	14°51	23°22	22°5	4°40	18°2	M 8
T 9	5 7 35	16°3'40	5♊11	2°14	10°21	2°30	10°4	22°39	24°29	12°36	14°51	23°23	22°2	4°47	18°9	T 9
W10	5 11 31	17°4'39	18°0	3°45	11°36	2°48	10°17	22°39	24°26	12°38	14°50	23°R24	21°59	4°53	18°17	W10
T 11	5 15 28	18°5'40	0♌37	5°16	12°51	3°6	10°31	22°38	24°24	12°39	14°49	23°24	21°56	5°0	18°25	T 11
F 12	5 19 24	19°6'41	13°3	6°47	14°6	3°23	10°44	22°37	24°21	12°40	14°49	23°23	21°53	5°7	18°32	F 12
S 13	5 23 21	20°7'43	25°19	8°19	15°20	3°40	10°58	22°37	24°18	12°41	14°48	23°20	21°49	5°13	18°40	S 13
S 14	5 27 17	21°8'46	7♋27	9°51	16°35	3°56	11°11	22°35	24°16	12°42	14°47	23°15	21°46	5°20	18°47	S 14
M15	5 31 14	22°9'49	19°27	11°23	17°49	4°12	11°24	22°34	24°13	12°43	14°46	23°10	21°43	5°27	18°54	M15
T 16	5 35 10	23°10'54	1♌21	12°56	19°4	4°27	11°38	22°33	24°11	12°44	14°46	23°5	21°40	5°34	19°2	T 16
W17	5 39 7	24°11'58	13°13	14°28	20°19	4°42	11°51	22°32	24°8	12°45	14°45	22°59	21°37	5°40	19°9	W17
T 18	5 43 4	25°13'03	25°4	16°1	21°33	4°56	12°4	22°30	24°6	12°46	14°44	22°54	21°34	5°47	19°16	T 18
F 19	5 47 0	26°14'09	6♌58	17°34	22°48	5°10	12°18	22°29	24°3	12°47	14°43	22°51	21°30	5°54	19°24	F 19
S 20	5 50 57	27°15'15	19°0	19°7	24°2	5°23	12°31	22°27	24°0	12°48	14°42	22°49	21°27	6°0	19°31	S 20
S 21	5 54 53	28°16'21	1♏14	20°40	25°17	5°36	12°44	22°25	23°58	12°49	14°42	22°D49	21°24	6°7	19°38	S 21
M22	5 58 50	29°17'27	13°45	22°13	26°31	5°48	12°58	22°23	23°55	12°50	14°41	22°50	21°21	6°14	19°45	M22
T 23	6 2 46	0♋18°33	26°37	23°47	27°46	5°59	13°11	22°21	23°53	12°50	14°40	22°51	21°18	6°21	19°52	T 23
W24	6 6 43	1°19'40	9♋55	25°20	29°0	6°10	13°24	22°19	23°50	12°51	14°39	22°53	21°15	6°27	19°59	W24
T 25	6 10 39	2°20'47	23°40	26°54	0♌15	6°20	13°37	22°17	23°48	12°52	14°38	22°R53	21°11	6°34	20°6	T 25
F 26	6 14 36	3°21'54	7♐53	28°28	1°29	6°30	13°50	22°15	23°45	12°53	14°37	22°52	21°8	6°41	20°13	F 26
S 27	6 18 33	4°23'01	22°31	0♋3	2°44	6°39	14°3	22°13	23°43	12°53	14°36	22°49	21°5	6°48	20°19	S 27
S 28	6 22 29	5°24'09	7♋29	1°37	3°58	6°48	14°16	22°10	23°40	12°54	14°35	22°44	21°2	6°54	20°26	S 28
M29	6 26 26	6°25'17	22°37	3°12	5°12	6°56	14°29	22°8	23°38	12°55	14°34	22°38	20°59	7°1	20°33	M29
T 30	6 30 22	7°26'25	7♎46	4°48	6°27	7°3	14°42	22°5	23°35	12°55	14°33	22°31	20°55	7°8	20°39	T 30
W31	6 34 19	8♋27°33	22♎45	6♋23	7♌41	7♏9	14♌55	22♎2	23♐33	12♑56	14♎32	22♋24	20♋52	7♌14	20♊46	W31

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
M 1	21s38	26n46	4n 3	16s15	1n41	24s36	1s 9	13n43	2n20	21s 7	0n35	14n56	1n 2	23n29
T 2	21 48	25 9	4 46	16 43	1 34	24 37	1 11	13 37	2 21	21 10	0 35	14 56	1 2	23 29
W 3	21 57	21 52	5 11	17 12	1 27	24 38	1 13	13 31	2 23	21 12	0 35	14 56	1 2	23 29
T 4	22 6	17 18	5 15	17 12	1 20	24 38	1 15	13 25	2 25	21 14	0 34	14 56	1 2	23 29
F 5	22 14	11 52	5 0	18 8	1 13	24 37	1 17	13 20	2 26	21 16	0 34	14 57	1 2	23 29
S 6	22 22	5 57	4 28	18 35	1 6	24 35	1 19	13 14	2 28	21 18	0 34	14 57	1 3	23 29
S 7	22 29	0s 8	3 41	19 2	0 59	24 33	1 20	13 9	2 30	21 20	0 34	14 57	1 3	23 29
M 8	22 37	6 6	2 44	19 28	0 52	24 30	1 22	13 4	2 32	21 22	0 34	14 57	1 3	23 29
T 9	22 43	11 42	1 39	19 54	0 44	24 26	1 24	12 58	2 34	21 24	0 34	14 58	1 3	23 29
W10	22 49	16 43	0 30	20 18	0 37	24 22	1 25	12 54	2 35	21 26	0 34	14 58	1 3	23 29
T 11	22 55	20 56	0s40	20 42	0 30	24 16	1 27	12 49	2 37	21 28	0 34	14 59	1 4	23 28
F 12	23 0	24 7	1 46	21 5	0 22	24 10	1 29	12 44	2 39	21 30	0 34	14 59	1 4	23 28
S 13	23 5	26 8	2 46	21 27	0 15	24 3	1 30	12 40	2 41	21 32	0 34	15 0	1 4	23 28
S 14	23 9	26 52	3 38	21 48	0 8	23 56	1 31	12 36	2 43	21 34	0 34	15 0	1 4	23 28
M15	23 13	26 19	4 20	22 8	0 1	23 48	1 33	12 32	2 45	21 36	0 34	15 1	1 4	23 28
T 16	23 16	24 34	4 50	22 28	0s 6	23 39	1 34	12 28	2 47	21 38	0 34	15 1	1 5	23 28
W17	23 19	21 46	5 7	22 46	0 13	23 29	1 35	12 24	2 49	21 40	0 34	15 2	1 5	23 28
T 18	23 22	18 3	5 11	23 3	0 20	23 18	1 36	12 21	2 50	21 42	0 34	15 2	1 5	23 28
F 19	23 24	13 38	5 2	23 18	0 27	23 7	1 38	12 18	2 52	21 43	0 33	15 3	1 5	23 28
S 20	23 25	8 39	4 40	23 33	0 33	22 56	1 39	12 15	2 54	21 45	0 33	15 4	1 5	23 28
S 21	23 26	3 15	4 5	23 47	0 40	22 43	1 40	12 12	2 56	21 47	0 33	15 5	1 6	23 27
M22	23 27	2n24	3 17	23 59	0 46	22 30	1 40	12 9	2 58	21 49	0 33	15 5	1 6	23 27
T 23	23 27	8 7	2 18	24 10	0 52	22 16	1 41	12 7	3 0	21 50	0 33	15 6	1 6	23 27
W24	23 26	13 41	1 10	24 20	0 58	22 2	1 42	12 5	3 2	21 52	0 33	15 7	1 6	23 27
T 25	23 26	18 46	0n 4	24 28	1 4	21 47	1 43	12 3	3 5	21 54	0 33	15 8	1 6	23 27
F 26	23 24	22 57	1 20	24 36	1 9	21 31	1 43	12 1	3 7	21 55	0 33	15 9	1 7	23 27
S 27	23 22	25 47	2 34	24 41	1 15	21 15	1 44	12 0	3 9	21 57	0 33	15 10	1 7	23 27
S 28	23 20	26 51	3 38	24 46	1 20	20 58	1 44	11 58	3 11	21 58	0 33	15 11	1 7	23 27
M29	23 17	25 56	4 27	24 49	1 25	20 40	1 45	11 57	3 13	22 0	0 33	15 12	1 7	23 27
T 30	23 14	23 8	4 58	24 51	1 30	20 22	1 45	11 57	3 15	22 2	0 33	15 13	1 7	23 26
W31	23s11	18n47	5n 8	24s52	1s34	20s 3	1s45	11n56	3n17	22s 3	0n33	15n14	1n 8	23n26

Julian Day Number = 2432520.5, Delta T = 28.21 sec
Ecliptic obliquity = 23°26'51, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 24°00'46, Lahiri = 23°07'47