



Astrodienst Ephemeris Tables for the year 1946

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 1946
geocentric

JANUARY 1946

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	6 40 10	9♂58'31	11♂41	18♂30	2♂25	28°R17	24♂49	22°R21	14°R27	8♂36	11°R18	29♂59	29♂28	16♂12	20♂10	T 1
W 2	6 44 6	10°59'41	23°47	19°45	3°40	27♂55	24°56	22♂16	14♂24	8°36	11♂17	0♂0	29°25	16°18	20°14	W 2
T 3	6 48 3	12° 0'52	6♂4	21° 2	4°56	27°34	25° 2	22°12	14°22	8°36	11°16	0°R 0	29°22	16°25	20°18	T 3
F 4	6 51 59	13° 2'03	18°34	22°20	6°11	27°12	25° 9	22° 7	14°20	8°37	11°14	29♂59	29°19	16°32	20°22	F 4
S 5	6 55 56	14° 3'14	1♂16	23°40	7°27	26°49	25°16	22° 2	14°18	8°37	11°13	29°58	29°16	16°38	20°25	S 5
S 6	6 59 53	15° 4'24	14°12	25° 1	8°42	26°27	25°22	21°57	14°16	8°37	11°12	29°56	29°13	16°45	20°29	S 6
M 7	7 3 49	16° 5'35	27°21	26°23	9°58	26° 3	25°28	21°52	14°14	8°37	11°11	29°54	29° 9	16°52	20°32	M 7
T 8	7 7 46	17° 6'44	10♂44	27°46	11°13	25°40	25°34	21°47	14°12	8°37	11° 9	29°51	29° 6	16°58	20°35	T 8
W 9	7 11 42	18° 7'54	24°19	12°29	25°16	25°40	25°40	21°42	14°10	8°37	11° 8	29°49	29° 3	17° 5	20°38	W 9
T 10	7 15 39	19° 9'02	8♂7	0♂35	13°44	24°53	25°46	21°37	14° 8	8°R37	11° 7	29°48	29° 0	17°12	20°42	T 10
F 11	7 19 35	20°10'11	22° 6	2° 0	15° 0	24°29	25°52	21°32	14° 6	8°37	11° 6	29°D48	28°57	17°18	20°44	F 11
S 12	7 23 32	21°11'18	6♂16	3°27	16°15	24° 5	25°57	21°27	14° 4	8°37	11° 4	29°48	28°54	17°25	20°47	S 12
S 13	7 27 28	22°12'25	20°34	4°54	17°31	23°41	26° 3	21°22	14° 2	8°37	11° 3	29°50	28°50	17°32	20°50	S 13
M14	7 31 25	23°13'32	4♂59	6°22	18°46	23°17	26° 8	21°17	14° 0	8°37	11° 2	29°51	28°47	17°38	20°53	M14
T 15	7 35 22	24°14'38	19°27	7°50	20° 2	22°53	26°13	21°12	13°58	8°37	11° 0	29°52	28°44	17°45	20°55	T 15
W16	7 39 18	25°15'43	3♂53	9°19	21°17	22°29	26°18	21° 8	13°57	8°37	10°59	29°R52	28°41	17°52	20°57	W16
T 17	7 43 15	26°16'47	18°11	10°49	22°32	22° 5	26°22	21° 3	13°55	8°36	10°58	29°51	28°38	17°59	21° 0	T 17
F 18	7 47 11	27°17'51	2♂18	12°19	23°48	21°42	26°27	20°58	13°53	8°36	10°56	29°49	28°34	18° 5	21° 2	F 18
S 19	7 51 8	28°18'55	16° 8	13°49	25° 3	21°18	26°31	20°53	13°52	8°36	10°55	29°45	28°31	18°12	21° 4	S 19
S 20	7 55 4	29°19'58	29°38	15°21	26°19	20°55	26°35	20°48	13°50	8°36	10°54	29°40	28°28	18°19	21° 6	S 20
M21	7 59 1	0♂21'00	12♂46	16°53	27°34	20°33	26°39	20°43	13°49	8°35	10°52	29°35	28°25	18°25	21° 7	M21
T 22	8 2 57	1°22'02	25°33	18°25	28°49	20°11	26°43	20°38	13°47	8°35	10°51	29°30	28°22	18°32	21° 9	T 22
W23	8 6 54	2°23'03	8♂0	19°58	0♂5	19°49	26°47	20°33	13°46	8°34	10°50	29°26	28°19	18°39	21°11	W23
T 24	8 10 51	3°24'04	20°10	21°32	1°20	19°27	26°50	20°29	13°44	8°34	10°48	29°24	28°15	18°45	21°12	T 24
F 25	8 14 47	4°25'04	2♂9	23° 7	2°36	19° 7	26°54	20°24	13°43	8°33	10°47	29°D23	28°12	18°52	21°13	F 25
S 26	8 18 44	5°26'04	14° 1	24°41	3°51	18°46	26°57	20°19	13°41	8°33	10°45	29°23	28° 9	18°59	21°15	S 26
S 27	8 22 40	6°27'03	25°50	26°17	5° 6	18°26	27° 0	20°15	13°40	8°32	10°44	29°24	28° 6	19° 5	21°16	S 27
M28	8 26 37	7°28'02	7♂42	27°53	6°22	18° 7	27° 3	20°10	13°39	8°32	10°43	29°26	28° 3	19°12	21°17	M28
T 29	8 30 33	8°29'00	19°42	29°30	7°37	17°48	27° 5	20° 5	13°38	8°31	10°41	29°28	27°59	19°19	21°17	T 29
W30	8 34 30	9°29'57	1♂54	1♂8	8°52	17°30	27° 8	20° 1	13°37	8°31	10°40	29°R28	27°56	19°25	21°18	W30
T 31	8 38 26	10°30'53	14♂21	2♂46	10♂8	17♂13	27♂10	19♂56	13♂36	8♂30	10♂38	29♂27	27♂53	19♂32	21♂19	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	decl lat	decl lat	decl lat
T 1	23s 4	20s33	1n40	21s40	1n17	23s35	0s 9	24n20	3n54	8s26	1n16	21n29	0s 6	22n34	0n 2	2s 4
W 2	22 59	22 44	0 34	21 55	1 9	23 35	0 12	24 26	3 56	8 28	1 16	21 30	0 6	22 34	0 2	2 4
T 3	22 54	23 52	0s34	22 9	1 0	23 35	0 14	24 33	3 58	8 31	1 16	21 31	0 6	22 33	0 2	2 4
F 4	22 48	23 50	1 41	22 22	0 52	23 34	0 16	24 39	4 0	8 33	1 16	21 32	0 6	22 33	0 2	2 4
S 5	22 42	22 33	2 45	22 35	0 43	23 33	0 19	24 45	4 2	8 35	1 17	21 33	0 6	22 33	0 2	2 4
S 6	22 36	20 6	3 41	22 46	0 35	23 31	0 21	24 51	4 3	8 37	1 17	21 34	0 6	22 33	0 2	2 4
M 7	22 29	16 34	4 26	22 57	0 27	23 28	0 23	24 57	4 5	8 39	1 17	21 35	0 6	22 33	0 2	2 4
T 8	22 21	12 8	4 58	23 7	0 19	23 24	0 26	25 3	4 6	8 41	1 17	21 35	0 6	22 32	0 2	2 4
W 9	22 13	7 4	5 14	23 16	0 11	23 19	0 28	25 9	4 8	8 43	1 17	21 36	0 5	22 32	0 2	2 4
T 10	22 5	1 34	5 12	23 24	0 3	23 14	0 30	25 15	4 9	8 45	1 18	21 37	0 5	22 32	0 2	2 4
F 11	21 56	4n 5	4 52	23 31	0s 5	23 8	0 32	25 20	4 10	8 47	1 18	21 38	0 5	22 32	0 2	2 4
S 12	21 47	9 37	4 14	23 36	0 12	23 2	0 35	25 25	4 11	8 49	1 18	21 39	0 5	22 31	0 2	2 4
S 13	21 37	14 41	3 20	23 41	0 20	22 54	0 37	25 31	4 12	8 51	1 18	21 40	0 5	22 31	0 2	2 4
M14	21 27	18 57	2 13	23 44	0 27	22 46	0 39	25 36	4 13	8 52	1 19	21 41	0 5	22 31	0 2	2 4
T 15	21 16	22 5	0 57	23 47	0 34	22 38	0 41	25 41	4 14	8 54	1 19	21 42	0 5	22 31	0 2	2 3
W16	21 5	23 45	0n22	23 48	0 41	22 28	0 43	25 45	4 15	8 55	1 19	21 43	0 5	22 31	0 2	2 3
T 17	20 54	23 51	1 39	23 48	0 47	22 18	0 45	25 50	4 15	8 57	1 19	21 43	0 5	22 30	0 2	2 3
F 18	20 42	22 23	2 49	23 46	0 54	22 7	0 47	25 54	4 16	8 58	1 19	21 44	0 4	22 30	0 2	2 3
S 19	20 30	19 37	3 47	23 43	1 0	21 56	0 49	25 58	4 16	9 0	1 20	21 45	0 4	22 30	0 2	2 3
S 20	20 18	15 50	4 31	23 39	1 6	21 44	0 51	26 2	4 16	9 1	1 20	21 46	0 4	22 30	0 2	2 3
M21	20 5	11 22	4 59	23 34	1 12	21 31	0 53	26 6	4 16	9 2	1 20	21 47	0 4	22 30	0 2	2 2
T 22	19 52	6 32	5 12	23 27	1 17	21 18	0 55	26 9	4 16	9 3	1 20	21 48	0 4	22 30	0 2	2 2
W23	19 38	1 34	5 9	23 19	1 22	21 4	0 57	26 12	4 16	9 4	1 21	21 48	0 4	22 29	0 2	2 2
T 24	19 24	3s22	4 52	23 10	1 27	20 49	0 58	26 15	4 16	9 6	1 21	21 49	0 4	22 29	0 2	2 2
F 25	19 10	8 6	4 23	22 59	1 32	20 34	1 0	26 18	4 16	9 6	1 21	21 50	0 4	22 29	0 2	2 2
S 26	18 55	12 30	3 43	22 46	1 36	20 18	1 2	26 21	4 15	9 7	1 21	21 51	0 4	22 29	0 2	2 1
S 27	18 40	16 25	2 53	22 33	1 41	20 1	1 3	26 23	4 15	9 8	1 22	21 52	0 4	22 29	0 2	2 1
M28	18 25	19 42	1 56	22 18	1 45	19 44	1 5	26 25	4 14	9 9	1 22	21 53	0 3	22 29	0 2	2 1
T 29	18 9	22 10	0 53	22 1	1 48	19 27	1 7	26 27	4 13	9 10	1 22	21 53	0 3	22 28	0 2	2 1
W30	17 53	23 39	0s13	21 43	1 51	19 8	1 8	26 29	4 13	9 10	1 22	21 54	0 3	22 28	0 2	2 0
T 31	17s36	24s 0	1s20	21s24	1s54	18s50	1s10	26n30	4n12	9s11	1n23	21n55	0s 3	22n28	0n 2	2s 0

Julian Day Number = 2431821.5, Delta T = 27.50 sec
Ecliptic obliquity = 23°26'46, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°59'10, Lahiri = 23°06'10

ASTRODIENST EPHEMERIS for the year 1946

geocentric

FEBRUARY 1946

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	8 42 23	11°31'49	27°36	4°25	11°23	16°R56	27°12	19°R52	13°R35	8°R29	10°R37	29°R24	27°II50	19°III39	21°19	F 1
S 2	8 46 20	12°32'43	10°39	6° 4	12°39	16°341	27°14	19°348	13°II34	8°28	10°36	29°II18	27°47	19°45	21°20	S 2
S 3	8 50 16	13°33'37	23°29	7°45	13°54	16°25	27°15	19°43	13°33	8°28	10°34	29°11	27°44	19°52	21°20	S 3
M 4	8 54 13	14°34'29	7°36	9°26	15° 9	16°11	27°17	19°39	13°32	8°27	10°33	29° 3	27°40	19°59	21°R20	M 4
T 5	8 58 9	15°35'20	20°55	11° 8	16°24	15°57	27°18	19°35	13°31	8°26	10°31	28°55	27°37	20° 5	21°20	T 5
W 6	9 2 6	16°36'09	4°Y53	12°50	17°40	15°44	27°19	19°31	13°30	8°25	10°30	28°48	27°34	20°12	21°20	W 6
T 7	9 6 2	17°36'57	18°57	14°34	18°55	15°32	27°20	19°27	13°29	8°24	10°29	28°43	27°31	20°19	21°19	T 7
F 8	9 9 59	18°37'44	3°8	16°18	20°10	15°21	27°21	19°23	13°29	8°23	10°27	28°40	27°28	20°25	21°19	F 8
S 9	9 13 55	19°38'29	17°12	18° 3	21°26	15°11	27°21	19°19	13°28	8°23	10°26	28°D38	27°25	20°32	21°19	S 9
S 10	9 17 52	20°39'12	1°II19	19°48	22°41	15° 1	27°22	19°15	13°27	8°22	10°24	28°39	27°21	20°39	21°18	S 10
M11	9 21 49	21°39'54	15°24	21°35	23°56	14°52	27°R22	19°11	13°27	8°21	10°23	28°40	27°18	20°45	21°17	M11
T 12	9 25 45	22°40'34	29°26	23°22	25°11	14°44	27°22	19° 7	13°26	8°20	10°22	28°R40	27°15	20°52	21°16	T 12
W13	9 29 42	23°41'13	13°33	25°10	26°26	14°37	27°22	19° 4	13°26	8°18	10°20	28°39	27°12	20°59	21°15	W13
T 14	9 33 38	24°41'50	27°14	26°59	27°42	14°30	27°21	19° 0	13°26	8°17	10°19	28°36	27° 9	21° 5	21°14	T 14
F 15	9 37 35	25°42'25	10°L55	28°48	28°57	14°24	27°21	18°57	13°25	8°16	10°18	28°30	27° 5	21°12	21°13	F 15
S 16	9 41 31	26°42'59	24°25	0°X38	0°X12	14°20	27°20	18°53	13°25	8°15	10°16	28°22	27° 2	21°19	21°12	S 16
S 17	9 45 28	27°43'31	7°II41	2°29	1°27	14°15	27°19	18°50	13°25	8°14	10°15	28°11	26°59	21°25	21°10	S 17
M18	9 49 24	28°44'02	20°40	4°20	2°42	14°12	27°18	18°47	13°25	8°13	10°14	28° 0	26°56	21°32	21° 9	M18
T 19	9 53 21	29°44'31	3°L21	6°12	3°57	14°10	27°16	18°44	13°25	8°12	10°12	27°49	26°53	21°39	21° 7	T 19
W20	9 57 18	0°X44'59	15°47	8° 3	5°12	14° 8	27°15	18°41	13°25	8°10	10°11	27°39	26°50	21°45	21° 6	W20
T 21	10 1 14	1°45'26	27°57	9°56	6°27	14° 7	27°13	18°38	13°D25	8° 9	10°10	27°32	26°46	21°52	21° 4	T 21
F 22	10 5 11	2°45'51	9°III56	11°48	7°43	14°D 6	27°11	18°35	13°25	8° 8	10° 8	27°27	26°43	21°59	21° 2	F 22
S 23	10 9 7	3°46'15	21°47	13°39	8°58	14° 7	27° 9	18°32	13°25	8° 7	10° 7	27°24	26°40	22° 5	21° 0	S 23
S 24	10 13 4	4°46'37	3°X36	15°31	10°13	14° 8	27° 7	18°29	13°25	8° 5	10° 6	27°D23	26°37	22°12	20°58	S 24
M25	10 17 0	5°46'58	15°28	17°22	11°28	14°10	27° 4	18°27	13°25	8° 4	10° 5	27°23	26°34	22°19	20°55	M25
T 26	10 20 57	6°47'18	27°28	19°11	12°43	14°13	27° 2	18°24	13°25	8° 3	10° 3	27°R24	26°31	22°25	20°53	T 26
W27	10 24 53	7°47'36	9°341	20°59	13°58	14°16	26°59	18°22	13°26	8° 1	10° 2	27°23	26°27	22°32	20°50	W27
T 28	10 28 50	8°X47'53	22°313	22°X46	15°X13	14°320	26°L56	18°320	13°II26	8°L 0	10°L 1	27°II20	26°II24	22°III39	20°L48	T 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	
F 1	17s20	23s 6	2s24	21s 3	1s57	18s30	1s11	26n31	4n11	9s11	1n23	21n56	0s 3	22n28	0n 2	F 1
S 2	17 3	20 57	3 22	20 41	1 59	18 10	1 12	26 32	4 10	9 12	1 23	21 56	0 3	22 28	0 2	S 2
S 3	16 45	17 38	4 11	20 17	2 1	17 50	1 14	26 33	4 9	9 12	1 23	21 57	0 3	22 28	0 2	S 3
M 4	16 28	13 19	4 46	19 52	2 3	17 29	1 15	26 34	4 8	9 13	1 23	21 58	0 3	22 28	0 2	M 4
T 5	16 10	8 16	5 5	19 26	2 4	17 8	1 16	26 35	4 7	9 13	1 24	21 59	0 3	22 28	0 2	T 5
W 6	15 52	2 44	5 6	18 57	2 5	16 46	1 17	26 35	4 6	9 13	1 24	21 59	0 3	22 28	0 2	W 6
T 7	15 34	2n58	4 49	18 28	2 5	16 24	1 18	26 35	4 4	9 13	1 24	22 0	0 3	22 27	0 2	T 7
F 8	15 15	8 33	4 14	17 57	2 5	16 1	1 19	26 35	4 3	9 13	1 24	22 1	0 3	22 27	0 2	F 8
S 9	14 56	13 43	3 24	17 24	2 5	15 38	1 20	26 35	4 2	9 13	1 25	22 1	0 3	22 27	0 2	S 9
S 10	14 37	18 7	2 22	16 50	2 4	15 14	1 21	26 35	4 0	9 13	1 25	22 2	0 3	22 27	0 2	S 10
M11	14 17	21 28	1 11	16 15	2 2	14 50	1 22	26 34	3 59	9 13	1 25	22 3	0 3	22 27	0 2	M11
T 12	13 58	23 31	0n 4	15 38	2 0	14 25	1 23	26 34	3 57	9 13	1 25	22 3	0 3	22 27	0 2	T 12
W13	13 38	24 4	1 18	14 59	1 58	14 1	1 23	26 33	3 56	9 12	1 26	22 4	0 3	22 27	0 2	W13
T 14	13 18	23 7	2 27	14 19	1 55	13 35	1 24	26 32	3 54	9 12	1 26	22 4	0 3	22 27	0 2	T 14
F 15	12 57	20 48	3 26	13 38	1 52	13 10	1 24	26 31	3 53	9 12	1 26	22 5	0 3	22 27	0 2	F 15
S 16	12 37	17 21	4 13	12 56	1 48	12 44	1 25	26 30	3 51	9 11	1 26	22 6	0 3	22 27	0 2	S 16
S 17	12 16	13 6	4 45	12 12	1 43	12 17	1 25	26 29	3 49	9 10	1 27	22 6	0 3	22 27	0 2	S 17
M18	11 55	8 19	5 1	11 27	1 38	11 51	1 26	26 28	3 48	9 10	1 27	22 7	0 3	22 27	0 2	M18
T 19	11 34	3 17	5 2	10 40	1 32	11 24	1 26	26 26	3 46	9 9	1 27	22 7	0 3	22 27	0 2	T 19
W20	11 13	1s46	4 49	9 53	1 26	10 57	1 26	26 25	3 44	9 8	1 27	22 8	0 3	22 27	0 2	W20
T 21	10 51	6 40	4 23	9 4	1 19	10 29	1 27	26 23	3 43	9 8	1 27	22 8	0 3	22 27	0 2	T 21
F 22	10 30	11 14	3 45	8 14	1 11	10 1	1 27	26 22	3 41	9 7	1 28	22 9	0 3	22 27	0 2	F 22
S 23	10 8	15 21	2 58	7 24	1 3	9 33	1 27	26 20	3 39	9 6	1 28	22 9	0 3	22 27	0 2	S 23
S 24	9 46	18 52	2 3	6 32	0 54	9 5	1 27	26 18	3 37	9 5	1 28	22 10	0 3	22 27	0 2	S 24
M25	9 24	21 36	1 3	5 41	0 44	8 36	1 27	26 16	3 36	9 4	1 28	22 10	0 3	22 27	0 2	M25
T 26	9 1	23 26	0s 0	4 48	0 34	8 7	1 27	26 14	3 34	9 2	1 29	22 11	0 3	22 27	0 2	T 26
W27	8 39	24 10	1 5	3 56	0 23	7 38	1 26	26 12	3 32	9 1	1 29	22 11	0 3	22 27	0 2	W27
T 28	8s16	23s43	2s 8	3s 3	0s12	7s 9	1s26	26n10	3n30	9s 0	1n29	22n11	0s 0	22n27	0n 2	T 28

Julian Day Number = 2431852.5, Delta T = 27.54 sec

Ecliptic obliquity = 23°26'47, Nutation = - 0°00'16, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 23°59'14, Lahiri = 23°06'15

ASTRODIENST EPHEMERIS for the year 1946
geocentric

MARCH 1946

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	10 32 47	9♉48'08	5♊ 7	24♊30	16♊28	14♊25	26°R53	18°R18	13♊27	7°R59	10°R 0	27°R15	26♊21	22♊45	20°R45	F 1
S 2	10 36 43	10°48'22	18°24	26°12	17°43	14°30	26♊49	18♊16	13°27	7♊57	9♊59	27♊ 7	26°18	22°52	20♊42	S 2
S 3	10 40 40	11°48'33	2♊ 4	27°50	18°57	14°36	26°46	18°14	13°28	7°56	9°57	26°57	26°15	22°59	20°40	S 3
M 4	10 44 36	12°48'43	16° 5	29°24	20°12	14°43	26°42	18°12	13°28	7°54	9°56	26°45	26°11	23° 5	20°37	M 4
T 5	10 48 33	13°48'51	0♊22	0♊54	21°27	14°50	26°38	18°10	13°29	7°53	9°55	26°33	26° 8	23°12	20°34	T 5
W 6	10 52 29	14°48'58	14°49	2°19	22°42	14°58	26°34	18° 8	13°29	7°51	9°54	26°22	26° 5	23°19	20°30	W 6
T 7	10 56 26	15°49'02	29°19	3°39	23°57	15° 7	26°30	18° 7	13°30	7°50	9°53	26°13	26° 2	23°25	20°27	T 7
F 8	11 0 22	16°49'04	13♋46	4°52	25°12	15°16	26°26	18° 5	13°31	7°48	9°52	26° 7	25°59	23°32	20°24	F 8
S 9	11 4 19	17°49'04	28° 6	5°59	26°27	15°25	26°21	18° 4	13°32	7°47	9°51	26° 4	25°56	23°39	20°21	S 9
S 10	11 8 16	18°49'02	12♊16	6°59	27°41	15°36	26°16	18° 3	13°33	7°45	9°50	26° 3	25°52	23°45	20°17	S 10
M 11	11 12 12	19°48'57	26°16	7°52	28°56	15°47	26°12	18° 2	13°34	7°44	9°49	26° 3	25°49	23°52	20°13	M 11
T 12	11 16 9	20°48'51	10♋ 4	8°36	0♊11	15°58	26° 7	18° 1	13°35	7°42	9°48	26° 3	25°46	23°59	20°10	T 12
W 13	11 20 5	21°48'42	23°41	9°12	1°26	16°10	26° 1	18° 0	13°36	7°41	9°47	26° 1	25°43	24° 5	20° 6	W 13
T 14	11 24 2	22°48'31	7♊ 8	9°40	2°40	16°23	25°56	17°59	13°37	7°39	9°46	25°56	25°40	24°12	20° 2	T 14
F 15	11 27 58	23°48'18	20°25	10° 0	3°55	16°36	25°51	17°59	13°38	7°37	9°45	25°48	25°37	24°19	19°59	F 15
S 16	11 31 55	24°48'02	3♊31	10°11	5° 9	16°49	25°45	17°58	13°39	7°36	9°44	25°38	25°33	24°25	19°55	S 16
S 17	11 35 51	25°47'45	16°25	10°R13	6°24	17° 3	25°39	17°58	13°41	7°34	9°43	25°25	25°30	24°32	19°51	S 17
M 18	11 39 48	26°47'25	29° 7	10° 7	7°39	17°18	25°33	17°57	13°42	7°33	9°42	25°11	25°27	24°39	19°47	M 18
T 19	11 43 45	27°47'03	11♋37	9°54	8°53	17°33	25°28	17°57	13°43	7°31	9°41	24°58	25°24	24°45	19°43	T 19
W 20	11 47 41	28°46'40	23°54	9°32	10° 8	17°48	25°21	17°D57	13°45	7°29	9°40	24°45	25°21	24°52	19°38	W 20
T 21	11 51 38	29°46'15	5♊59	9° 4	11°22	18° 4	25°15	17°57	13°46	7°28	9°40	24°35	25°17	24°59	19°34	T 21
F 22	11 55 34	0♊45'47	17°55	8°29	12°37	18°20	25° 9	17°57	13°48	7°26	9°39	24°28	25°14	25° 5	19°30	F 22
S 23	11 59 31	1°45'18	29°45	7°49	13°51	18°37	25° 2	17°57	13°49	7°25	9°38	24°23	25°11	25°12	19°26	S 23
S 24	12 3 27	2°44'48	11♊33	7° 4	15° 6	18°54	24°56	17°58	13°51	7°23	9°37	24°21	25° 8	25°19	19°21	S 24
M 25	12 7 24	3°44'15	23°23	6°16	16°20	19°12	24°49	17°58	13°52	7°21	9°36	24°D20	25° 5	25°25	19°17	M 25
T 26	12 11 20	4°43'41	5♋22	5°26	17°34	19°30	24°42	17°59	13°54	7°20	9°36	24°R20	25° 2	25°32	19°13	T 26
W 27	12 15 17	5°43'05	17°34	4°34	18°49	19°48	24°36	17°59	13°56	7°18	9°35	24°20	24°58	25°39	19° 8	W 27
T 28	12 19 14	6°42'27	0♋ 5	3°42	20° 3	20° 7	24°29	18° 0	13°58	7°16	9°34	24°18	24°55	25°45	19° 4	T 28
F 29	12 23 10	7°41'47	12°59	2°50	21°17	20°26	24°22	18° 1	13°59	7°15	9°34	24°14	24°52	25°52	18°59	F 29
S 30	12 27 7	8°41'06	26°20	2° 1	22°32	20°45	24°14	18° 2	14° 1	7°13	9°33	24° 7	24°49	25°59	18°54	S 30
S 31	12 31 3	9♊40'22	10♊ 9	1°14	23°46	21♋ 5	24♊ 7	18♋ 3	14♊ 3	7♊11	9♊33	23♊57	24♊46	26♊ 5	18♊50	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
F 1	7s54	22s 0	3s 6	2s11	0s 0	6s40	1s26	26n 7	3n29	8s59	1n29	22n12	0n 0	22n27	0n 2	1s46
S 2	7 31	19 3	3s 56	1 19	0n12	6 10	1 25	26 5	3 27	8 57	1 29	22 12	0 0	22 27	0 2	1 46
S 3	7 8	15 0	4 33	0 29	0 25	5 40	1 25	26 3	3 25	8 56	1 30	22 13	0 0	22 27	0 2	1 45
M 4	6 45	10 2	4 56	0n21	0 38	5 11	1 24	26 0	3 23	8 54	1 30	22 13	0 0	22 28	0 2	1 45
T 5	6 22	4 27	5 0	1 9	0 52	4 40	1 24	25 58	3 22	8 53	1 30	22 13	0 0	22 28	0 2	1 44
W 6	5 59	1n27	4 46	1 56	1 6	4 10	1 23	25 55	3 20	8 51	1 30	22 14	0 1	22 28	0 2	1 43
T 7	5 36	7 17	4 13	2 40	1 20	3 40	1 23	25 52	3 18	8 49	1 30	22 14	0 1	22 28	0 2	1 43
F 8	5 12	12 44	3 24	3 22	1 33	3 10	1 22	25 49	3 16	8 48	1 31	22 14	0 1	22 28	0 2	1 42
S 9	4 49	17 26	2 22	4 1	1 47	2 39	1 21	25 47	3 15	8 46	1 31	22 14	0 1	22 28	0 2	1 42
S 10	4 26	21 5	1 12	4 37	2 1	2 9	1 20	25 44	3 13	8 44	1 31	22 15	0 1	22 28	0 2	1 41
M 11	4 2	23 25	0n 1	5 10	2 14	1 38	1 19	25 41	3 11	8 42	1 31	22 15	0 1	22 28	0 2	1 40
T 12	3 39	24 17	1 13	5 39	2 26	1 7	1 18	25 38	3 10	8 40	1 31	22 15	0 1	22 28	0 2	1 40
W 13	3 15	23 41	2 20	6 4	2 38	0 37	1 17	25 34	3 8	8 38	1 31	22 15	0 1	22 29	0 2	1 39
T 14	2 51	21 42	3 19	6 25	2 49	0 6	1 16	25 31	3 6	8 36	1 32	22 16	0 1	22 29	0 2	1 38
F 15	2 28	18 34	4 5	6 42	2 59	0n25	1 15	25 28	3 4	8 34	1 32	22 16	0 1	22 29	0 2	1 38
S 16	2 4	14 32	4 38	6 55	3 8	0 56	1 13	25 25	3 3	8 32	1 32	22 16	0 2	22 29	0 2	1 37
S 17	1 40	9 54	4 56	7 3	3 16	1 26	1 12	25 21	3 1	8 29	1 32	22 16	0 2	22 29	0 2	1 36
M 18	1 17	4 55	4 59	7 6	3 22	1 57	1 11	25 18	3 0	8 27	1 32	22 16	0 2	22 29	0 2	1 36
T 19	0 53	0s11	4 47	7 5	3 27	2 28	1 9	25 14	2 58	8 25	1 32	22 16	0 2	22 29	0 2	1 35
W 20	0 29	5 12	4 23	7 0	3 30	2 58	1 8	25 10	2 56	8 23	1 32	22 17	0 2	22 30	0 2	1 35
T 21	0 5	9 58	3 46	6 50	3 31	3 29	1 6	25 7	2 55	8 20	1 33	22 17	0 2	22 30	0 2	1 34
F 22	0n18	14 18	3 0	6 35	3 31	3 59	1 5	25 3	2 53	8 18	1 33	22 17	0 2	22 30	0 2	1 33
S 23	0 42	18 3	2 6	6 17	3 28	4 30	1 3	24 59	2 52	8 15	1 33	22 17	0 2	22 30	0 2	1 33
S 24	1 6	21 4	1 7	5 56	3 24	5 0	1 1	24 55	2 50	8 13	1 33	22 17	0 2	22 30	0 2	1 32
M 25	1 29	23 12	0 5	5 31	3 18	5 30	1 0	24 51	2 48	8 10	1 33	22 17	0 2	22 31	0 2	1 31
T 26	1 53	24 18	0s58	5 4	3 10	6 0	0 58	24 47	2 47	8 8	1 33	22 17	0 3	22 31	0 2	1 31
W 27	2 16	24 16	2 0	4 35	3 1	6 30	0 56	24 43	2 45	8 5	1 33	22 17	0 3	22 31	0 2	1 30
T 28	2 40	23 2	2 57	4 4	2 50	7 0	0 54	24 38	2 44	8 3	1 33	22 17	0 3	22 31	0 2	1 29
F 29	3 3	20 34	3 48	3 33	2 38	7 30	0 52	24 34	2 42	8 0	1 33	22 17	0 3	22 32	0 2	1 29
S 30	3 27	16 56	4 28	3 1	2 25	7 59	0 50	24 30	2 41	7 57	1 33	22 17	0 3	22 32	0 2	1 28
S 31	3n50	12s17	4s53	2n29	2n10	8n29	0s48	24n25	2n39	7s55	1n34	22n17	0n 3	22n32	0n 2	1s27

Julian Day Number = 2431880.5, Delta T = 27.57 sec
Ecliptic obliquity = 23°26'48, Nutation = -0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°59'18, Lahiri = 23°06'18

ASTRODIENST EPHEMERIS for the year 1946

geocentric

APRIL 1946

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	12 35 0	10°39'37	24°24	0°R30	25°0	21°25	24°R 0	18°4	14°II 5	7°R10	9°R32	23°R46	24°II42	26°M12	18°R45	M 1
T 2	12 38 56	11°38'50	9°0	29°51	26°14	21°46	23°53	18° 6	14° 7	7°8	9°31	23°II35	24°39	26°19	18°41	T 2
W 3	12 42 53	12°38'01	23°50	29°16	27°29	22° 7	23°45	18° 7	14° 9	7° 6	9°31	23°25	24°36	26°25	18°36	W 3
T 4	12 46 49	13°37'09	8°45	28°46	28°43	22°28	23°38	18° 9	14°11	7° 5	9°30	23°17	24°33	26°32	18°31	T 4
F 5	12 50 46	14°36'16	23°36	28°21	29°57	22°50	23°30	18°10	14°13	7° 3	9°30	23°11	24°30	26°39	18°27	F 5
S 6	12 54 42	15°35'20	8°II17	28° 2	1°11	23°12	23°23	18°12	14°16	7° 1	9°29	23° 8	24°27	26°45	18°22	S 6
S 7	12 58 39	16°34'22	22°42	27°48	2°25	23°34	23°15	18°14	14°18	7° 0	9°29	23°D 7	24°23	26°52	18°17	S 7
M 8	13 2 36	17°33'22	6°49	27°40	3°39	23°56	23° 8	18°16	14°20	6°58	9°29	23° 8	24°20	26°59	18°12	M 8
T 9	13 6 32	18°32'20	20°37	27°D37	4°53	24°19	23° 0	18°18	14°22	6°57	9°28	23°R 8	24°17	27° 5	18° 8	T 9
W10	13 10 29	19°31'15	4°7	27°40	6° 7	24°42	22°52	18°20	14°25	6°55	9°28	23° 7	24°14	27°12	18° 3	W10
T 11	13 14 25	20°30'08	17°22	27°47	7°21	25° 5	22°45	18°23	14°27	6°53	9°28	23° 4	24°11	27°19	17°58	T 11
F 12	13 18 22	21°28'58	0°11	28° 0	8°35	25°29	22°37	18°25	14°29	6°52	9°27	22°58	24° 8	27°25	17°54	F 12
S 13	13 22 18	22°27'46	13° 8	28°18	9°49	25°53	22°29	18°28	14°32	6°50	9°27	22°50	24° 4	27°32	17°49	S 13
S 14	13 26 15	23°26'32	25°44	28°40	11° 3	26°17	22°22	18°30	14°34	6°49	9°27	22°41	24° 1	27°39	17°44	S 14
M15	13 30 11	24°25'16	8° 8	29° 7	12°16	26°41	22°14	18°33	14°37	6°47	9°27	22°30	23°58	27°45	17°39	M15
T 16	13 34 8	25°23'58	20°23	29°39	13°30	27° 6	22° 6	18°36	14°40	6°45	9°27	22°19	23°55	27°52	17°35	T 16
W17	13 38 5	26°22'38	2°M29	0°Y14	14°44	27°31	21°59	18°39	14°42	6°44	9°26	22° 9	23°52	27°59	17°30	W17
T 18	13 42 1	27°21'16	14°27	0°53	15°58	27°56	21°51	18°42	14°45	6°42	9°26	22° 1	23°48	28° 5	17°26	T 18
F 19	13 45 58	28°19'52	26°19	1°36	17°11	28°21	21°43	18°45	14°47	6°41	9°26	21°56	23°45	28°12	17°21	F 19
S 20	13 49 54	29°18'26	8°7	2°23	18°25	28°47	21°36	18°48	14°50	6°39	9°26	21°52	23°42	28°19	17°16	S 20
S 21	13 53 51	0°16'59	19°54	3°13	19°39	29°13	21°28	18°51	14°53	6°38	9°26	21°D51	23°39	28°25	17°12	S 21
M22	13 57 47	1°15'30	1°345	4° 6	20°52	29°39	21°21	18°55	14°56	6°36	9°D26	21°52	23°36	28°32	17° 7	M22
T 23	14 1 44	2°14'00	13°43	5° 2	22° 6	0°5	21°13	18°58	14°58	6°35	9°26	21°53	23°33	28°39	17° 3	T 23
W24	14 5 40	3°12'27	25°55	6° 2	23°19	0°31	21° 6	19° 2	15° 1	6°34	9°26	21°54	23°29	28°45	16°59	W24
T 25	14 9 37	4°10'53	8°23	7° 4	24°33	0°58	20°58	19° 5	15° 4	6°32	9°26	21°R54	23°26	28°52	16°54	T 25
F 26	14 13 34	5° 9'18	21°15	8° 9	25°46	1°25	20°51	19° 9	15° 7	6°31	9°26	21°53	23°23	28°59	16°50	F 26
S 27	14 17 30	6° 7'41	4°32	9°16	27° 0	1°52	20°44	19°13	15°10	6°29	9°26	21°49	23°20	29° 5	16°46	S 27
S 28	14 21 27	7° 6'02	18°18	10°26	28°13	2°19	20°37	19°17	15°13	6°28	9°26	21°45	23°17	29°12	16°41	S 28
M29	14 25 23	8° 4'22	2°Y33	11°39	29°26	2°47	20°30	19°21	15°16	6°27	9°27	21°38	23°14	29°19	16°37	M29
T 30	14 29 20	9° 2'40	17°Y13	12°Y54	0°II40	3°II14	20°23	19°25	15°II19	6°25	9°D27	21°II32	23°II10	29°M25	16°33	T 30

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	
M 1	4n13	6s50	5s 2	1n58	1n55	8n58	0s46	24n20	2n38	7s52	1n34	22n17	0n 3	22n32	0n 2	1s27	M 1
T 2	4 36	0 54	4 51	1 28	1 40	9 27	0 44	24 16	2 36	7 49	1 34	22 17	0 3	22 32	0 2	1 26	T 2
W 3	5 0	5n12	4 21	1 0	1 24	9 55	0 42	24 11	2 35	7 46	1 34	22 16	0 3	22 33	0 2	1 25	W 3
T 4	5 23	11 4	3 33	0 33	1 8	10 24	0 40	24 6	2 34	7 44	1 34	22 16	0 3	22 33	0 2	1 25	T 4
F 5	5 45	16 15	2 30	0 8	0 52	10 52	0 38	24 1	2 32	7 41	1 34	22 16	0 3	22 33	0 2	1 24	F 5
S 6	6 8	20 24	1 18	0s14	0 36	11 20	0 35	23 56	2 31	7 38	1 34	22 16	0 4	22 33	0 2	1 23	S 6
S 7	6 31	23 12	0 2	0 34	0 20	11 48	0 33	23 51	2 29	7 35	1 34	22 16	0 4	22 34	0 2	1 23	S 7
M 8	6 54	24 28	1n12	0 51	0 5	12 15	0 31	23 45	2 28	7 32	1 34	22 16	0 4	22 34	0 2	1 22	M 8
T 9	7 16	24 11	2 21	1 6	0s10	12 42	0 28	23 40	2 27	7 29	1 34	22 16	0 4	22 34	0 2	1 21	T 9
W10	7 38	22 28	3 20	1 18	0 24	13 9	0 26	23 34	2 25	7 27	1 34	22 15	0 4	22 35	0 2	1 21	W10
T 11	8 1	19 34	4 8	1 28	0 38	13 36	0 24	23 29	2 24	7 24	1 34	22 15	0 4	22 35	0 2	1 20	T 11
F 12	8 23	15 44	4 41	1 35	0 51	14 2	0 21	23 23	2 23	7 21	1 34	22 15	0 4	22 35	0 2	1 20	F 12
S 13	8 45	11 14	5 0	1 39	1 4	14 28	0 19	23 17	2 21	7 18	1 34	22 15	0 4	22 35	0 2	1 19	S 13
S 14	9 6	6 20	5 4	1 41	1 16	14 53	0 16	23 12	2 20	7 15	1 34	22 14	0 4	22 36	0 2	1 18	S 14
M15	9 28	1 16	4 53	1 41	1 27	15 18	0 14	23 6	2 19	7 13	1 34	22 14	0 4	22 36	0 2	1 18	M15
T 16	9 50	3s49	4 29	1 38	1 37	15 43	0 11	22 59	2 17	7 10	1 34	22 14	0 4	22 36	0 2	1 17	T 16
W17	10 11	8 41	3 53	1 33	1 47	16 7	0 9	22 53	2 16	7 7	1 34	22 13	0 5	22 37	0 2	1 17	W17
T 18	10 32	13 12	3 7	1 26	1 56	16 31	0 6	22 47	2 15	7 4	1 34	22 13	0 5	22 37	0 2	1 16	T 18
F 19	10 53	17 11	2 13	1 16	2 5	16 55	0 4	22 41	2 14	7 1	1 34	22 13	0 5	22 37	0 3	1 15	F 19
S 20	11 14	20 28	1 13	1 5	2 13	17 18	0 1	22 34	2 12	6 59	1 33	22 12	0 5	22 38	0 3	1 15	S 20
S 21	11 34	22 53	0 11	0 51	2 20	17 41	0n 2	22 28	2 11	6 56	1 33	22 12	0 5	22 38	0 3	1 14	S 21
M22	11 55	24 19	0s53	0 36	2 26	18 3	0 4	22 21	2 10	6 53	1 33	22 12	0 5	22 38	0 3	1 14	M22
T 23	12 15	24 39	1 55	0 19	2 32	18 24	0 7	22 14	2 9	6 50	1 33	22 11	0 5	22 38	0 3	1 13	T 23
W24	12 35	23 49	2 53	0 0	2 37	18 46	0 9	22 7	2 7	6 48	1 33	22 11	0 5	22 39	0 3	1 12	W24
T 25	12 55	21 47	3 45	0n20	2 41	19 6	0 12	22 0	2 6	6 45	1 33	22 10	0 5	22 39	0 3	1 12	T 25
F 26	13 15	18 37	4 26	0 42	2 45	19 27	0 15	21 53	2 5	6 42	1 33	22 10	0 5	22 39	0 3	1 11	F 26
S 27	13 34	14 26	4 55	1 6	2 48	19 46	0 17	21 46	2 4	6 40	1 33	22 10	0 5	22 40	0 3	1 11	S 27
S 28	13 53	9 21	5 9	1 31	2 50	20 6	0 20	21 38	2 3	6 37	1 33	22 9	0 5	22 40	0 3	1 10	S 28
M29	14 12	3 38	5 4	1 58	2 52	20 24	0 23	21 31	2 2	6 35	1 33	22 9	0 6	22 40	0 3	1 10	M29
T 30	14n31	2n28	4s39	2n26	2s53	20n42	0n25	21n23	2n 0	6s32	1n32	22n 8	0n 6	22n41	0n 3	1s 9	T 30

Julian Day Number = 2431911.5, Delta T = 27.61 sec

Ecliptic obliquity = 23°26'48, Nutation = - 0°00'17, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 23°59'22, Lahiri = 23°06'23

ASTRODIENST EPHEMERIS for the year 1946
geocentric

MAY 1946

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
W 1	14 33 16	10 ⁸ 0'56	2 ⁸ 11	14 ^Y 11	1 ^{II} 53	3 ^Ω 42	20°R16	19 [☿] 29	15 ^{II} 22	6°R24	9 ^Ω 27	21°R26	23 ^{II} 7	29 [♈] 32	16°R29	W 1
T 2	14 37 13	10°59'11	17°20	15°30	3° 6	4°10	20 [♈] 9	19°33	15°25	6 [♈] 23	9°27	21 ^{II} 21	23° 4	29°39	16 [♈] 25	T 2
F 3	14 41 9	11°57'24	2 ^{II} 29	16°52	4°20	4°38	20° 2	19°38	15°28	6°21	9°28	21°18	23° 1	29°45	16°21	F 3
S 4	14 45 6	12°55'35	17°29	18°16	5°33	5° 7	19°56	19°42	15°31	6°20	9°28	21°D16	22°58	29°52	16°17	S 4
S 5	14 49 3	13°53'45	2 [☿] 12	19°42	6°46	5°35	19°49	19°47	15°34	6°19	9°28	21°17	22°54	29°59	16°13	S 5
M 6	14 52 59	14°51'52	16°34	21° 9	7°59	6° 4	19°43	19°52	15°37	6°18	9°29	21°18	22°51	0 [♈] 5	16°10	M 6
T 7	14 56 56	15°49'58	0 ^Ω 32	22°39	9°12	6°33	19°36	19°56	15°40	6°16	9°29	21°19	22°48	0°12	16° 6	T 7
W 8	15 0 52	16°48'01	14° 6	24°12	10°25	7° 2	19°30	20° 1	15°44	6°15	9°29	21°R20	22°45	0°18	16° 2	W 8
T 9	15 4 49	17°46'03	27°19	25°46	11°38	7°31	19°24	20° 6	15°47	6°14	9°30	21°20	22°42	0°25	15°59	T 9
F 10	15 8 45	18°44'02	10 [♈] 12	27°22	12°51	8° 0	19°18	20°11	15°50	6°13	9°30	21°18	22°39	0°32	15°56	F 10
S 11	15 12 42	19°42'00	22°49	29° 0	14° 4	8°30	19°12	20°16	15°53	6°12	9°31	21°15	22°35	0°38	15°52	S 11
S 12	15 16 38	20°39'56	5 [♈] 11	0 [♈] 40	15°17	8°59	19° 7	20°21	15°57	6°11	9°31	21°10	22°32	0°45	15°49	S 12
M13	15 20 35	21°37'50	17°23	2°22	16°30	9°29	19° 1	20°26	16° 0	6°10	9°32	21° 5	22°29	0°52	15°46	M13
T 14	15 24 32	22°35'43	29°26	4° 6	17°43	9°59	18°56	20°31	16° 3	6° 9	9°32	21° 0	22°26	0°58	15°43	T 14
W15	15 28 28	23°33'34	11 [♈] 22	5°52	18°56	10°29	18°50	20°37	16° 7	6° 8	9°33	20°56	22°23	1° 5	15°40	W15
T 16	15 32 25	24°31'23	23°13	7°41	20° 8	10°59	18°45	20°42	16°10	6° 7	9°34	20°52	22°19	1°12	15°37	T 16
F 17	15 36 21	25°29'11	5 [♈] 2	9°31	21°21	11°29	18°40	20°47	16°13	6° 6	9°34	20°50	22°16	1°18	15°34	F 17
S 18	15 40 18	26°26'58	16°50	11°23	22°34	12° 0	18°35	20°53	16°17	6° 5	9°35	20°D49	22°13	1°25	15°31	S 18
S 19	15 44 14	27°24'43	28°40	13°17	23°46	12°30	18°31	20°59	16°20	6° 4	9°36	20°49	22°10	1°32	15°28	S 19
M20	15 48 11	28°22'28	10 [♈] 35	15°13	24°59	13° 1	18°26	21° 4	16°23	6° 3	9°36	20°50	22° 7	1°38	15°26	M20
T 21	15 52 7	29°20'11	22°37	17°11	26°12	13°32	18°22	21°10	16°27	6° 2	9°37	20°52	22° 4	1°45	15°23	T 21
W22	15 56 4	0 ^{II} 17'52	4 [♈] 52	19°11	27°24	14° 3	18°17	21°16	16°30	6° 1	9°38	20°53	22° 0	1°52	15°21	W22
T 23	16 0 1	1°15'33	17°12	21°13	28°37	14°34	18°13	21°22	16°34	6° 1	9°39	20°54	21°57	1°58	15°19	T 23
F 24	16 3 57	2°13'13	0 [♈] 12	23°17	29°49	15° 5	18° 9	21°28	16°37	6° 0	9°39	20°R55	21°54	2° 5	15°16	F 24
S 25	16 7 54	3°10'52	13°25	25°22	1 [♈] 1	15°37	18° 6	21°34	16°41	5°59	9°40	20°55	21°51	2°12	15°14	S 25
S 26	16 11 50	4° 8'29	27° 3	27°29	2°14	16° 8	18° 2	21°40	16°44	5°58	9°41	20°54	21°48	2°18	15°12	S 26
M27	16 15 47	5° 6'06	11 ^Y 9	29°37	3°26	16°40	17°59	21°46	16°48	5°58	9°42	20°52	21°45	2°25	15°10	M27
T 28	16 19 43	6° 3'42	25°40	1 ^{II} 47	4°38	17°11	17°55	21°52	16°51	5°57	9°43	20°50	21°41	2°32	15° 9	T 28
W29	16 23 40	7° 1'17	10 [♈] 32	3°57	5°51	17°43	17°52	21°58	16°55	5°56	9°44	20°49	21°38	2°38	15° 7	W29
T 30	16 27 36	7°58'51	25°38	6° 8	7° 3	18°15	17°49	22° 4	16°58	5°56	9°45	20°47	21°35	2°45	15° 5	T 30
F 31	16 31 33	8 ^{II} 56'24	10 ^{II} 49	8 ^{II} 20	8 [☿] 15	18 ^Ω 47	17 [♈] 47	22 [☿] 11	17 ^{II} 2	5 [♈] 55	9 ^Ω 46	20 ^{II} 47	21 ^{II} 32	2 [♈] 52	15 [♈] 4	F 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
W 1	14n49	8n34	3s55	2n55	2s54	21n 0	0n28	21n16	1n59	6s30	1n32	22n 8	0n 6	22n41	0n 3	1s 9	1n31	24n 5	6n26	23n10	23n16	18s 2	7s40	1s17	
T 2	15 8	14 14	2 54	3 26	2 54	21 17	0 31	21 8	1 58	6 27	1 32	22 7	0 6	22 41	0 3	1 8	1 31	24 5	6 26	23 10	23 16	18 5	7 39	1 17	
F 3	15 26	19 1	1 40	3 57	2 54	21 33	0 33	21 0	1 57	6 25	1 32	22 6	0 6	22 42	0 3	1 8	1 31	24 5	6 26	23 10	23 16	18 7	7 37	1 17	
S 4	15 43	22 31	0 21	4 30	2 52	21 49	0 36	20 52	1 56	6 22	1 32	22 6	0 6	22 42	0 3	1 7	1 31	24 4	6 25	23 10	23 16	18 9	7 35	1 16	
S 5	16 1	24 25	0n59	5 4	2 51	22 5	0 38	20 44	1 55	6 20	1 32	22 5	0 6	22 43	0 3	1 7	1 31	24 4	6 25	23 10	23 15	18 11	7 33	1 16	
M 6	16 18	24 38	2 14	5 39	2 48	22 19	0 41	20 36	1 54	6 18	1 32	22 5	0 6	22 43	0 3	1 6	1 31	24 4	6 25	23 10	23 15	18 13	7 31	1 15	
T 7	16 35	23 16	3 18	6 15	2 46	22 33	0 43	20 28	1 53	6 16	1 31	22 4	0 6	22 43	0 3	1 6	1 31	24 4	6 25	23 10	23 15	18 16	7 29	1 15	
W 8	16 52	20 34	4 9	6 52	2 42	22 47	0 46	20 19	1 52	6 13	1 31	22 3	0 6	22 44	0 3	1 6	1 31	24 4	6 25	23 10	23 15	18 18	7 27	1 14	
T 9	17 8	16 52	4 46	7 30	2 38	22 59	0 49	20 11	1 51	6 11	1 31	22 3	0 6	22 44	0 3	1 5	1 31	24 3	6 25	23 10	23 15	18 20	7 26	1 14	
F 10	17 24	12 28	5 7	8 9	2 34	23 11	0 51	20 2	1 49	6 9	1 31	22 2	0 6	22 44	0 3	1 5	1 31	24 3	6 25	23 10	23 15	18 22	7 24	1 13	
S 11	17 40	7 38	5 12	8 48	2 29	23 23	0 53	19 53	1 48	6 7	1 31	22 2	0 7	22 45	0 3	1 4	1 31	24 3	6 25	23 9	23 14	18 24	7 22	1 13	
S 12	17 55	2 35	5 3	9 28	2 23	23 34	0 56	19 44	1 47	6 5	1 31	22 1	0 7	22 45	0 3	1 4	1 31	24 3	6 25	23 9	23 14	18 26	7 20	1 13	
M13	18 11	2s30	4 40	10 9	2 17	23 44	0 58	19 36	1 46	6 3	1 30	22 0	0 7	22 45	0 3	1 3	1 31	24 2	6 25	23 9	23 14	18 29	7 19	1 12	
T 14	18 26	7 27	4 5	10 51	2 10	23 53	1 1	19 26	1 45	6 1	1 30	21 59	0 7	22 46	0 3	1 3	1 31	24 2	6 24	23 8	23 14	18 31	7 17	1 12	
W15	18 40	12 5	3 20	11 32	2 3	24 2	1 3	19 17	1 44	6 0	1 30	21 59	0 7	22 46	0 3	1 3	1 31	24 2	6 24	23 8	23 14	18 33	7 16	1 11	
T 16	18 54	16 14	2 26	12 15	1 56	24 10	1 5	19 8	1 43	5 58	1 30	21 58	0 7	22 46	0 3	1 2	1 31	24 2	6 24	23 8	23 13	18 35	7 14	1 11	
F 17	19 8	19 44	1 26	12 57	1 48	24 17	1 8	18 59	1 42	5 56	1 30	21 57	0 7	22 47	0 3	1 2	1 31	24 1	6 24	23 8	23 13	18 37	7 12	1 10	
S 18	19 22	22 26	0 22	13 40	1 40	24 24	1 10	18 49	1 41	5 55	1 29	21 56	0 7	22 47	0 3	1 2	1 31	24 1	6 24	23 8	23 13	18 39	7 11	1 10	
S 19	19 35	24 10	0s43	14 23	1 31	24 30	1 12	18 40	1 40	5 53	1 29	21 56	0 7	22 47	0 3	1 1	1 31	24 1	6 24	23 8	23 13	18 42	7 10	1 9	
M20	19 48	24 18	1 47	15 6	1 22	24 35	1 14	18 30	1 39	5 51	1 29	21 55	0 7	22 48	0 3	1 1	1 31	24 1	6 24	23 8	23 13	18 44	7 8	1 9	
T 21	20 1	24 17	2 47	15 49	1 12	24 40	1 16	18 20	1 38	5 50	1 29	21 54	0 7	22 48	0 3	1 1	1 31	24 0	6 24	23 8	23 13	18 46	7 7	1 8	
W22	20 13	22 37	3 40	16 32	1 2	24 44	1 19	18 10	1 37	5 49	1 28	21 53	0 7	22 48	0 3	1 0	1 30	24 0	6 24	23 8	23 12	18 48	7 5	1 8	
T 23	20 25	19 49	4 24	17 14	0 52	24 47	1 21	18 0	1 36	5 47	1 28	21 52	0 8	22 49	0 3	1 0	1 30	24 0	6 24	23 8	23 12	18 50	7 4	1 7	
F 24	20 37	16 1	4 56	17 55	0 42	24 49	1 23	17 50	1 35	5 46	1 28	21 52	0 8	22 49	0 3	1 0	1 30	23 59	6 23	23 8	23 12	18 52	7 3	1 7	
S 25	20 48	11 21	5 14	18 36	0 32	24 51	1 25	17 40	1 34	5 45	1 28	21 51	0 8	22 50	0 3	1 0	1 30	23 59	6 23	23 8	23 12	18 54	7 2	1 7	
S 26	20 59	5 59	5 14	19 16	0 21	24 52	1 26	17 29	1 33	5 44	1 28	21 50	0 8	22 50	0 3	0 59	1 30	23 59	6 23	23 8	23 12	18 56	7 0	1 6	
M27	21 9	0 9	4 57	19 54	0 10	24 52	1 28	17 19	1 32	5 43	1 27	21 49	0 8	22 50	0 3	0 59	1 30	23 58	6 23	23 8	23 11	18 59	6 59	1 6	
T 28	21 20	5n53	4 20	20 32	0n 0	24 52	1 30	17 8	1 31	5 42	1 27	21 48	0 8	22 51	0 3	0 59	1 30	23 58	6 23	23 8	23 11	19 1	6 58	1 5	
W29	21 29	11 44	3 25	21 7	0 11	24 51	1 32	16 58	1 31	5 41	1 27	21 47	0 8	22 51	0 3	0 59	1 30	23 58	6 23	23 8	23 11	19 3	6 57	1 5	
T 30	21 39	16 59	2 15	21 41	0 21	24 49	1 34	16 47	1 30	5 40	1 27	21 46	0 8	22 51	0 3	0 59	1 30	23 57	6 23	23 8	23 11	19 5	6 56	1 4	
F 31	21n48	21n10	0s55	22n13	0n32	24n46	1n35	16n36	1n29	5s39	1n26	21n45	0n 8	22n52	0n 3	0s58	1n30	23n57	6n23	23n 8	23n11	19s 7	6s55	1s 4	

ASTRODIENST EPHEMERIS for the year 1946
geocentric

JUNE 1946

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 35 30	9Ⅱ53'56	25Ⅱ57	10Ⅱ32	9☾27	19♂19	17°R44	22☾17	17Ⅱ 5	5°R55	9♂47	20°D46	21Ⅱ29	2☾58	15°R 3	S 1
S 2	16 39 26	10°51'27	10☾52	12°44	10°39	19°51	17☾42	22°24	17° 9	5☾54	9°48	20Ⅱ47	21°25	3° 5	15☾ 1	S 2
M 3	16 43 23	11°48'57	25°26	14°56	11°51	20°24	17°40	22°30	17°12	5°54	9°49	20°48	21°22	3°11	15° 0	M 3
T 4	16 47 19	12°46'25	9♂26	17° 7	13° 3	20°56	17°38	22°37	17°16	5°53	9°50	20°48	21°19	3°18	14°59	T 4
W 5	16 51 16	13°43'53	23°20	19°18	14°15	21°29	17°36	22°43	17°19	5°53	9°51	20°49	21°16	3°25	14°58	W 5
T 6	16 55 12	14°41'19	6Ⅲ38	21°27	15°27	22° 1	17°34	22°50	17°23	5°52	9°52	20°49	21°13	3°31	14°57	T 6
F 7	16 59 9	15°38'43	19°32	23°35	16°39	22°34	17°33	22°56	17°27	5°52	9°53	20°R49	21°10	3°38	14°57	F 7
S 8	17 3 5	16°36'07	2☾ 6	25°42	17°50	23° 7	17°31	23° 3	17°30	5°52	9°54	20°49	21° 6	3°45	14°56	S 8
S 9	17 7 2	17°33'30	14°23	27°47	19° 2	23°40	17°30	23°10	17°34	5°52	9°56	20°49	21° 3	3°51	14°55	S 9
M10	17 10 59	18°30'51	26°28	29°50	20°14	24°13	17°29	23°17	17°37	5°51	9°57	20°48	21° 0	3°58	14°55	M10
T 11	17 14 55	19°28'12	8Ⅲ24	1☾51	21°25	24°46	17°28	23°24	17°41	5°51	9°58	20°48	20°57	4° 5	14°55	T 11
W12	17 18 52	20°25'31	20°15	3°50	22°37	25°19	17°28	23°31	17°44	5°51	9°59	20°D48	20°54	4°11	14°55	W12
T 13	17 22 48	21°22'50	2☾ 3	5°47	23°49	25°52	17°27	23°38	17°48	5°51	10° 0	20°48	20°51	4°18	14°D55	T 13
F 14	17 26 45	22°20'08	13°51	7°42	25° 0	26°26	17°27	23°45	17°51	5°51	10° 2	20°48	20°47	4°25	14°55	F 14
S 15	17 30 41	23°17'26	25°42	9°34	26°11	26°59	17°D27	23°52	17°55	5°50	10° 3	20°R48	20°44	4°31	14°55	S 15
S 16	17 34 38	24°14'42	7☾39	11°24	27°23	27°33	17°27	23°59	17°58	5°50	10° 4	20°48	20°41	4°38	14°55	S 16
M17	17 38 34	25°11'59	19°42	13°12	28°34	28° 6	17°28	24° 6	18° 2	5°D50	10° 6	20°48	20°38	4°45	14°56	M17
T 18	17 42 31	26° 9'14	1☾55	14°57	29°45	28°40	17°28	24°13	18° 6	5°50	10° 7	20°47	20°35	4°51	14°56	T 18
W19	17 46 28	27° 6'30	14°19	16°40	0♂56	29°14	17°29	24°20	18° 9	5°50	10° 8	20°46	20°31	4°58	14°57	W19
T 20	17 50 24	28° 3'45	26°57	18°20	2° 7	29°48	17°30	24°27	18°13	5°51	10°10	20°46	20°28	5° 5	14°57	T 20
F 21	17 54 21	29° 1'00	9☾52	19°58	3°18	0Ⅲ22	17°31	24°35	18°16	5°51	10°11	20°45	20°25	5°11	14°58	F 21
S 22	17 58 17	29°58'14	23° 5	21°34	4°29	0°56	17°32	24°42	18°20	5°51	10°13	20°44	20°22	5°18	14°59	S 22
S 23	18 2 14	0☾55'29	6Ⅲ39	23° 7	5°40	1°30	17°33	24°49	18°23	5°51	10°14	20°D44	20°19	5°25	15° 0	S 23
M24	18 6 10	1°52'43	20°34	24°38	6°51	2° 4	17°35	24°57	18°27	5°51	10°15	20°45	20°16	5°31	15° 1	M24
T 25	18 10 7	2°49'58	4☾50	26° 6	8° 2	2°39	17°36	25° 4	18°30	5°51	10°17	20°46	20°12	5°38	15° 3	T 25
W26	18 14 3	3°47'12	19°26	27°32	9°13	3°13	17°38	25°11	18°34	5°52	10°18	20°47	20° 9	5°44	15° 4	W26
T 27	18 18 0	4°44'27	4Ⅱ16	28°55	10°23	3°48	17°40	25°19	18°37	5°52	10°20	20°47	20° 6	5°51	15° 6	T 27
F 28	18 21 57	5°41'41	19°16	0♂16	11°34	4°22	17°43	25°26	18°40	5°52	10°21	20°R48	20° 3	5°58	15° 7	F 28
S 29	18 25 53	6°38'55	4☾16	1°34	12°45	4°57	17°45	25°34	18°44	5°53	10°23	20°48	20° 0	6° 4	15° 9	S 29
S 30	18 29 50	7☾36'09	19☾ 8	2♂50	13♂55	5Ⅲ32	17☾48	25☾41	18Ⅱ47	5☾53	10♂24	20Ⅱ46	19Ⅱ57	6☾11	15☾11	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	decl	lat
S 1	21n56	23n52	0n29	22n43	0n41	24n43	1n37	16n25	1n28	5s38	1n26	21n44	0n 8	22n52	0n 3	0s58	1n30	23n57	6n23	23n 8	23n10	19s 9	6s54	1s 3							
S 2	22 5	24 49	1 49	23 11	0 51	24 39	1 38	16 14	1 27	5 38	1 26	21 43	0 8	22 52	0 3	0 58	1 30	23 56	6 23	23 8	23 10	19 11	6 53	1 3							
M 3	22 13	24 1	3 1	23 36	1 0	24 34	1 40	16 3	1 26	5 37	1 26	21 42	0 8	22 53	0 3	0 58	1 30	23 56	6 23	23 8	23 10	19 13	6 52	1 2							
T 4	22 20	21 41	3 59	23 58	1 9	24 29	1 41	15 52	1 25	5 36	1 25	21 41	0 9	22 53	0 3	0 58	1 30	23 56	6 23	23 8	23 10	19 15	6 51	1 2							
W 5	22 27	18 11	4 42	24 18	1 17	24 23	1 42	15 41	1 24	5 36	1 25	21 40	0 9	22 53	0 3	0 58	1 30	23 55	6 23	23 8	23 10	19 17	6 51	1 1							
T 6	22 34	13 51	5 8	24 35	1 25	24 16	1 44	15 29	1 23	5 36	1 25	21 39	0 9	22 54	0 3	0 57	1 30	23 55	6 22	23 8	23 9	19 20	6 50	1 1							
F 7	22 40	9 0	5 17	24 49	1 31	24 9	1 45	15 18	1 22	5 35	1 24	21 38	0 9	22 54	0 3	0 57	1 30	23 54	6 22	23 8	23 9	19 22	6 49	1 0							
S 8	22 46	3 56	5 11	25 0	1 38	24 0	1 46	15 6	1 21	5 35	1 24	21 37	0 9	22 54	0 3	0 57	1 30	23 54	6 22	23 8	23 9	19 24	6 48	1 0							
S 9	22 52	1s12	4 51	25 9	1 43	23 51	1 47	14 54	1 21	5 35	1 24	21 36	0 9	22 55	0 3	0 57	1 30	23 54	6 22	23 8	23 9	19 26	6 48	1 0							
M10	22 57	6 12	4 18	25 15	1 48	23 42	1 48	14 42	1 20	5 35	1 24	21 35	0 9	22 55	0 3	0 57	1 30	23 53	6 22	23 8	23 8	19 28	6 47	0 59							
T 11	23 2	10 55	3 34	25 18	1 52	23 32	1 49	14 30	1 19	5 35	1 23	21 34	0 9	22 55	0 3	0 57	1 30	23 53	6 22	23 8	23 8	19 30	6 47	0 59							
W12	23 6	15 13	2 42	25 19	1 55	23 21	1 50	14 18	1 18	5 35	1 23	21 33	0 9	22 56	0 3	0 57	1 30	23 52	6 22	23 8	23 8	19 32	6 46	0 58							
T 13	23 10	18 54	1 42	25 17	1 58	23 9	1 50	14 6	1 17	5 35	1 23	21 32	0 9	22 56	0 3	0 57	1 30	23 52	6 22	23 8	23 8	19 34	6 46	0 58							
F 14	23 13	21 50	0 39	25 13	2 0	22 57	1 51	13 54	1 16	5 35	1 23	21 31	0 9	22 56	0 3	0 57	1 30	23 52	6 22	23 8	23 8	19 36	6 45	0 57							
S 15	23 17	23 50	0s27	25 7	2 1	22 45	1 52	13 42	1 15	5 35	1 22	21 30	0 9	22 57	0 3	0 57	1 30	23 51	6 22	23 8	23 7	19 38	6 45	0 57							
S 16	23 19	24 46	1 32	24 58	2 1	22 31	1 52	13 30	1 14	5 35	1 22	21 28	0 9	22 57	0 3	0 57	1 30	23 51	6 22	23 8	23 7	19 40	6 45	0 56							
M17	23 22	24 32	2 34	24 48	2 1	22 17	1 52	13 17	1 14	5 36	1 22	21 27	0 10	22 57	0 3	0 57	1 29	23 50	6 22	23 8	23 7	19 42	6 44	0 56							
T 18	23 23	23 8	3 29	24 35	2 0	22 3	1 53	13 5	1 13	5 36	1 22	21 26	0 10	22 58	0 3	0 57	1 29	23 50	6 22	23 8	23 7	19 44	6 44	0 55							
W19	23 25	20 37	4 15	24 21	1 58	21 48	1 53	12 52	1 12	5 37	1 21	21 25	0 10	22 58	0 3	0 57	1 29	23 50	6 22	23 8	23 6	19 46	6 44	0 55							
T 20	23 26	17 4	4 50	24 6	1 55	21 32	1 53	12 39	1 11	5 37	1 21	21 24	0 10	22 58	0 3	0 57	1 29	23 49	6 22	23 7	23 6	19 48	6 44	0 55							
F 21	23 27	12 41	5 12	23 48	1 52	21 15	1 53	12 26	1 10	5 38	1 21	21 23	0 10	22 59	0 3	0 57	1 29	23 49	6 22	23 7	23 6	19 50	6 44	0 54							
S 22	23 27	7 36	5 17	23 30	1 48	20 59	1 53	12 14	1 9	5 39	1 20	21 21	0 10	22 59	0 3	0 57	1 29	23 48	6 22	23 7	23 6	19 52	6 44	0 54							
S 23	23 27	2 2	5 5	23 10	1 43	20 41	1 53	12 1	1 9	5 39	1 20	21 20	0 10	22 59	0 3	0 58	1 29	23 48	6 22	23 7	23 6	19 54	6 44	0 53							
M24	23 26	3n47	4 35	22 49	1 38	20 23	1 53	11 48	1 8	5 40	1 20	21 19	0 10	23 0	0 3	0 58	1 29	23 47	6 21	23 7	23 5	19 56	6 44	0 53							
T 25	23 25	9 33	3 48	22 27	1 32	20 5	1 53	11 35	1 7	5 41	1 20	21 18	0 10	23 0	0 3	0 58	1 29	23 47	6 21	23 7	23 5	19 58	6 44	0 52							
W26	23 24	14 56	2 45	22 4	1 26	19 46	1 52	11 21	1 6	5 42	1 19	21 16	0 10	23 0	0 3	0 58	1 29	23 47	6 21	23 8	23 5	20 0	6 44	0 52							
T 27	23 22	19 32	1 30	21 40	1 19	19 26	1 52	11 8	1 5	5 43	1 19	21 15	0 10	23 1	0 3	0 58	1 29	23 46	6 21	23 8	23 5	20 2	6 44	0 51							
F 28	23 19	22 52	0 9	21 16	1 11	19 6	1 51	10 55	1 4	5 44	1 19	21 14	0 10	23 1	0 3	0 58	1 29	23 46	6 21	23 8	23 4	20 4	6 44	0 51							
S 29	23 17	24 37	1n14	20 51	1 3	18 46	1 51	10 41	1 4	5 45	1 19	21 12	0 11	23 1	0 3	0 58	1 29	23 45	6 21	23 8	23 4	20 6	6 45	0 51							
S 30	23n14	24n34	2n30	20n25	0n55	18n25	1n50	10n28	1n 3	5s47	1n18	21n11	0n11	23n 1	0n 3	0s59	1n29	23n45	6n21	23n 8	23n 4	20s 8	6s45	0s50							

ASTRODIENST EPHEMERIS for the year 1946

geocentric

JULY 1946

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	18 33 46	8°33'23	3°45	4°2	15°5	6°6	17°50	25°49	18°51	5°53	10°26	20°R45	19°53	6°18	15°13	M 1
T 2	18 37 43	9°30'37	18° 1	5°12	16°16	6°41	17°53	25°56	18°54	5°54	10°27	20°42	19°50	6°24	15°15	T 2
W 3	18 41 39	10°27'50	1°17	6°20	17°26	7°16	17°57	26° 4	18°57	5°54	10°29	20°40	19°47	6°31	15°17	W 3
T 4	18 45 36	11°25'03	15°15	7°24	18°36	7°51	18° 0	26°11	19° 1	5°55	10°31	20°37	19°44	6°38	15°19	T 4
F 5	18 49 33	12°22'16	28°13	8°25	19°46	8°26	18° 3	26°19	19° 4	5°55	10°32	20°36	19°41	6°44	15°22	F 5
S 6	18 53 29	13°19'28	10°49	9°23	20°56	9° 2	18° 7	26°27	19° 7	5°56	10°34	20°D35	19°37	6°51	15°24	S 6
S 7	18 57 26	14°16'40	23° 6	10°18	22° 6	9°37	18°11	26°34	19°11	5°57	10°35	20°35	19°34	6°58	15°27	S 7
M 8	19 1 22	15°13'52	5°18	11° 9	23°16	10°12	18°15	26°42	19°14	5°57	10°37	20°37	19°31	7° 4	15°29	M 8
T 9	19 5 19	16°11'04	17° 3	11°58	24°26	10°48	18°19	26°50	19°17	5°58	10°39	20°38	19°28	7°11	15°32	T 9
W10	19 9 15	17° 8'16	28°51	12°42	25°36	11°23	18°23	26°57	19°21	5°59	10°40	20°40	19°25	7°18	15°35	W10
T 11	19 13 12	18° 5'28	10°39	13°23	26°45	11°59	18°27	27° 5	19°24	5°59	10°42	20°41	19°22	7°24	15°38	T 11
F 12	19 17 8	19° 2'40	22°30	14° 0	27°55	12°34	18°32	27°13	19°27	6° 0	10°44	20°R41	19°18	7°31	15°41	F 12
S 13	19 21 5	19°59'52	4°37	14°33	29° 4	13°10	18°37	27°20	19°30	6° 1	10°45	20°41	19°15	7°38	15°45	S 13
S 14	19 25 2	20°57'04	16°33	15° 2	0°13	13°46	18°41	27°28	19°33	6° 2	10°47	20°38	19°12	7°44	15°48	S 14
M15	19 28 58	21°54'17	28°49	15°27	1°23	14°22	18°47	27°36	19°36	6° 3	10°49	20°35	19° 9	7°51	15°51	M15
T 16	19 32 55	22°51'29	11°18	15°47	2°32	14°57	18°52	27°44	19°40	6° 4	10°50	20°30	19° 6	7°57	15°55	T 16
W17	19 36 51	23°48'43	2°59	16° 3	3°41	15°33	18°57	27°51	19°43	6° 4	10°52	20°24	19° 3	8° 4	15°58	W17
T 18	19 40 48	24°45'56	6°53	16°14	4°50	16° 9	19° 3	27°59	19°46	6° 5	10°54	20°19	18°59	8°11	16° 2	T 18
F 19	19 44 44	25°43'11	20° 1	16°20	5°58	16°45	19° 8	28° 7	19°49	6° 6	10°56	20°14	18°56	8°17	16° 6	F 19
S 20	19 48 41	26°40'26	3°22	16°R21	7° 7	17°22	19°14	28°15	19°52	6° 7	10°57	20°11	18°53	8°24	16°10	S 20
S 21	19 52 37	27°37'42	16°59	16°18	8°16	17°58	19°20	28°22	19°55	6° 8	10°59	20° 9	18°50	8°31	16°14	S 21
M22	19 56 34	28°34'58	0°49	16° 9	9°24	18°34	19°26	28°30	19°58	6° 9	11° 1	20°D 8	18°47	8°37	16°18	M22
T 23	20 0 31	29°32'16	14°54	15°56	10°33	19°11	19°32	28°38	20° 1	6°11	11° 3	20° 9	18°43	8°44	16°22	T 23
W24	20 4 27	0°29'34	29°13	15°38	11°41	19°47	19°38	28°46	20° 4	6°12	11° 4	20°10	18°40	8°51	16°26	W24
T 25	20 8 24	1°26'54	13°43	15°15	12°49	20°24	19°45	28°53	20° 6	6°13	11° 6	20°R11	18°37	8°57	16°31	T 25
F 26	20 12 20	2°24'14	28°20	14°48	13°57	21° 0	19°51	29° 1	20° 9	6°14	11° 8	20°11	18°34	9° 4	16°35	F 26
S 27	20 16 17	3°21'35	13°30	14°17	15° 5	21°37	19°58	29° 9	20°12	6°15	11°10	20° 9	18°31	9°11	16°40	S 27
S 28	20 20 13	4°18'58	27°37	13°41	16°13	22°13	20° 5	29°17	20°15	6°16	11°11	20° 5	18°28	9°17	16°45	S 28
M29	20 24 10	5°16'20	12°3	13° 3	17°21	22°50	20°12	29°24	20°18	6°18	11°13	20° 0	18°24	9°24	16°49	M29
T 30	20 28 6	6°13'44	26°12	12°22	18°28	23°27	20°19	29°32	20°20	6°19	11°15	19°53	18°21	9°31	16°54	T 30
W31	20 32 3	7°11'08	10°17	11°39	19°36	24°17	20°27	29°40	20°23	6°20	11°17	19°45	18°18	9°37	16°59	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	23n10	22n49	3n36	19n59	0n45	18n 3	1n49	10n14	1n 2	5s48	1n18	21n10	0n11	23n 2	0n 3	0s50
T 2	23 6	19 39	4 26	19 33	0 36	17 41	1 48	10 0	1 1	5 49	1 18	21 9	0 11	23 2	0 3	0 49
W 3	23 2	15 28	4 59	19 6	0 25	17 19	1 47	9 47	1 0	5 51	1 18	21 7	0 11	23 2	0 3	0 49
T 4	22 57	10 38	5 14	18 40	0 15	16 56	1 46	9 33	1 0	5 52	1 17	21 6	0 11	23 3	0 3	0 48
F 5	22 52	5 29	5 13	18 13	0 3	16 33	1 45	9 19	0 59	5 54	1 17	21 4	0 11	23 3	0 3	0 48
S 6	22 47	0 16	4 56	17 47	0s 8	16 9	1 44	9 5	0 58	5 55	1 17	21 3	0 11	23 3	0 3	0 48
S 7	22 41	4s51	4 26	17 21	0 20	15 46	1 42	8 51	0 57	5 57	1 16	21 2	0 11	23 4	0 3	0 47
M 8	22 35	9 42	3 45	16 55	0 33	15 21	1 41	8 37	0 57	5 59	1 16	21 0	0 11	23 4	0 3	0 47
T 9	22 28	14 8	2 55	16 29	0 45	14 57	1 39	8 23	0 56	6 1	1 16	20 59	0 11	23 4	0 3	0 46
W10	22 21	18 0	1 57	16 4	0 58	14 31	1 38	8 9	0 55	6 2	1 16	20 58	0 11	23 4	0 3	0 46
T 11	22 13	21 9	0 55	15 40	1 12	14 6	1 36	7 54	0 54	6 4	1 15	20 56	0 11	23 5	0 3	0 45
F 12	22 6	23 24	0s10	15 16	1 26	13 40	1 34	7 40	0 53	6 6	1 15	20 55	0 12	23 5	0 3	0 45
S 13	21 57	24 37	1 15	14 53	1 39	13 14	1 32	7 26	0 53	6 8	1 15	20 53	0 12	23 5	0 3	0 45
S 14	21 49	24 41	2 17	14 31	1 53	12 48	1 30	7 11	0 52	6 10	1 15	20 52	0 12	23 5	0 3	0 44
M15	21 40	23 34	3 14	14 11	2 8	12 21	1 28	6 57	0 51	6 13	1 14	20 50	0 12	23 6	0 3	0 44
T 16	21 31	21 16	4 2	13 51	2 22	11 54	1 26	6 42	0 50	6 15	1 14	20 49	0 12	23 6	0 3	0 43
W17	21 21	17 55	4 39	13 33	2 36	11 27	1 23	6 27	0 50	6 17	1 14	20 48	0 12	23 6	0 3	0 43
T 18	21 11	13 40	5 3	13 16	2 50	11 0	1 21	6 13	0 49	6 19	1 14	20 46	0 12	23 6	0 3	0 43
F 19	21 0	8 44	5 11	13 1	3 4	10 32	1 18	5 58	0 48	6 22	1 13	20 45	0 12	23 7	0 3	0 42
S 20	20 50	3 18	5 3	12 47	3 18	10 4	1 16	5 43	0 47	6 24	1 13	20 43	0 12	23 7	0 3	0 42
S 21	20 39	2n23	4 38	12 36	3 31	9 36	1 13	5 28	0 47	6 27	1 13	20 42	0 12	23 7	0 3	0 41
M22	20 27	8 4	3 56	12 26	3 44	9 8	1 10	5 14	0 46	6 29	1 13	20 40	0 12	23 7	0 3	0 41
T 23	20 15	13 27	3 0	12 18	3 56	8 39	1 7	4 59	0 45	6 32	1 12	20 39	0 13	23 8	0 3	0 40
W24	20 3	18 10	1 52	12 12	4 8	8 10	1 4	4 44	0 44	6 34	1 12	20 37	0 13	23 8	0 3	0 40
T 25	19 51	21 52	0 35	12 9	4 19	7 41	1 1	4 29	0 44	6 37	1 12	20 36	0 13	23 8	0 3	0 40
F 26	19 38	24 10	0n44	12 7	4 28	7 12	0 58	4 13	0 43	6 40	1 12	20 34	0 13	23 8	0 3	0 39
S 27	19 25	24 49	2 1	12 8	4 37	6 43	0 55	3 58	0 42	6 42	1 12	20 33	0 13	23 8	0 3	0 39
S 28	19 11	23 44	3 9	12 11	4 44	6 14	0 51	3 43	0 41	6 45	1 11	20 31	0 13	23 9	0 3	0 39
M29	18 57	21 5	4 4	12 16	4 50	5 44	0 48	3 28	0 41	6 48	1 11	20 30	0 13	23 9	0 3	0 38
T 30	18 43	17 13	4 42	12 24	4 54	5 14	0 44	3 13	0 40	6 51	1 11	20 28	0 13	23 9	0 3	0 38
W31	18n29	12n30	5n 4	12n33	4s56	4n45	0n41	2n57	0n39	6s54	1n11	20n27	0n13	23n 9	0n 3	0s37

Julian Day Number = 2432002.5, Delta T = 27.70 sec

Ecliptic obliquity = 23°26'48, Nutation = - 0°00'16, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 23°59'35, Lahiri = 23°06'35

ASTRODIENST EPHEMERIS for the year 1946
geocentric

AUGUST 1946

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	20 36 0	8♌ 8'33	23♍25	10♌R54	20♍43	24♍41	20♌34	29♌48	20♌26	6♌22	11♌18	19♌R38	18♌15	9♌44	17♌4	T 1
F 2	20 39 56	9° 5'58	6♌25	10♌ 8	21°50	25°18	20°41	29°55	20°28	6°23	11°20	19♌32	18°12	9°50	17° 9	F 2
S 3	20 43 53	10° 3'24	19° 2	9°23	22°57	25°55	20°49	0♌ 3	20°31	6°24	11°22	19°28	18° 9	9°57	17°14	S 3
S 4	20 47 49	11° 0'51	1♌20	8°39	24° 4	26°32	20°57	0°11	20°34	6°26	11°24	19°25	18° 5	10° 4	17°20	S 4
M 5	20 51 46	11°58'18	13°23	7°57	25°11	27°10	21° 5	0°18	20°36	6°27	11°26	19°D25	18° 2	10°10	17°25	M 5
T 6	20 55 42	12°55'46	25°16	7°17	26°18	27°47	21°13	0°26	20°39	6°29	11°27	19°26	17°59	10°17	17°31	T 6
W 7	20 59 39	13°53'15	7♌ 5	6°41	27°24	28°24	21°21	0°34	20°41	6°30	11°29	19°27	17°56	10°24	17°36	W 7
T 8	21 3 35	14°50'45	18°54	6° 9	28°30	29° 2	21°29	0°41	20°43	6°32	11°31	19°R27	17°53	10°30	17°42	T 8
F 9	21 7 32	15°48'16	0♌48	5°42	29°36	29°39	21°38	0°49	20°46	6°33	11°33	19°26	17°49	10°37	17°47	F 9
S 10	21 11 29	16°45'47	12°52	5°20	0♌42	0♌17	21°46	0°56	20°48	6°35	11°34	19°24	17°46	10°44	17°53	S 10
S 11	21 15 25	17°43'20	25° 8	5° 5	1°48	0°54	21°55	1° 4	20°51	6°36	11°36	19°19	17°43	10°50	17°59	S 11
M12	21 19 22	18°40'53	7♌39	4°55	2°54	1°32	22° 3	1°12	20°53	6°38	11°38	19°11	17°40	10°57	18° 5	M12
T 13	21 23 18	19°38'28	20°25	4°D53	3°59	2°10	22°12	1°19	20°55	6°40	11°40	19° 2	17°37	11° 4	18°11	T 13
W14	21 27 15	20°36'04	3♌27	4°57	5° 4	2°48	22°21	1°27	20°57	6°41	11°42	18°52	17°34	11°10	18°17	W14
T 15	21 31 11	21°33'41	16°44	5° 9	6° 9	3°25	22°30	1°34	20°59	6°43	11°43	18°41	17°30	11°17	18°23	T 15
F 16	21 35 8	22°31'19	0♌13	5°27	7°14	4° 3	22°39	1°41	21° 1	6°45	11°45	18°32	17°27	11°23	18°29	F 16
S 17	21 39 4	23°28'59	13°53	5°54	8°19	4°41	22°49	1°49	21° 3	6°46	11°47	18°25	17°24	11°30	18°36	S 17
S 18	21 43 1	24°26'40	27°42	6°27	9°23	5°19	22°58	1°56	21° 6	6°48	11°49	18°19	17°21	11°37	18°42	S 18
M19	21 46 58	25°24'23	11♌38	7° 8	10°28	5°58	23° 7	2° 4	21° 7	6°50	11°50	18°17	17°18	11°43	18°48	M19
T 20	21 50 54	26°22'08	25°40	7°55	11°32	6°36	23°17	2°11	21° 9	6°52	11°52	18°D16	17°15	11°50	18°55	T 20
W21	21 54 51	27°19'55	9♌48	8°50	12°35	7°14	23°27	2°18	21°11	6°54	11°54	18°16	17°11	11°57	19° 1	W21
T 22	21 58 47	28°17'43	24° 0	9°52	13°39	7°52	23°36	2°25	21°13	6°55	11°56	18°R16	17° 8	12° 3	19° 8	T 22
F 23	22 2 44	29°15'33	8♌15	10°59	14°42	8°31	23°46	2°33	21°15	6°57	11°57	18°15	17° 5	12°10	19°15	F 23
S 24	22 6 40	0♌13'25	22°31	12°13	15°45	9° 9	23°56	2°40	21°17	6°59	11°59	18°11	17° 2	12°17	19°21	S 24
S 25	22 10 37	1°11'18	6♌43	13°33	16°48	9°48	24° 6	2°47	21°18	7° 1	12° 1	18° 5	16°59	12°23	19°28	S 25
M26	22 14 33	2° 9'13	20°47	14°59	17°51	10°26	24°16	2°54	21°20	7° 3	12° 2	17°56	16°55	12°30	19°35	M26
T 27	22 18 30	3° 7'09	4♌39	16°29	18°53	11° 5	24°26	3° 1	21°22	7° 5	12° 4	17°45	16°52	12°37	19°42	T 27
W28	22 22 27	4° 5'07	18°14	18° 4	19°55	11°44	24°37	3° 8	21°23	7° 7	12° 6	17°33	16°49	12°43	19°49	W28
T 29	22 26 23	5° 3'06	1♌30	19°42	20°57	12°22	24°47	3°15	21°25	7° 9	12° 7	17°21	16°46	12°50	19°56	T 29
F 30	22 30 20	6° 1'07	14°25	21°25	21°59	13° 1	24°58	3°22	21°26	7°11	12° 9	17°11	16°43	12°57	20° 3	F 30
S 31	22 34 16	6♌59'09	27♌ 0	23♌11	23♌ 0	13♌40	25♌ 8	3♌29	21♌28	7♌13	12♌11	17♌ 3	16♌40	13♌ 3	20♌10	S 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
T 1	18n14	7n19 5n 7	12n44 4s57	4n15 0n37	2n42 0n38	6s57 1n10	20n25 0n13	23n10 0n 3	1s11 1n28	23n30 6n22	23n 2 22n56	21s10 7s17	0s37			
F 2	17 59	1 58 4 55	12 57 4 56	3 45 0 33	2 27 0 38	7 0 1 10	20 23 0 13	23 10 0 3	1 12 1 28	23 30 6 22	23 2 22 55	21 11 7 18	0 37			
S 3	17 44	3s19 4 28	13 12 4 53	3 15 0 29	2 11 0 37	7 3 1 10	20 22 0 13	23 10 0 3	1 12 1 28	23 29 6 22	23 2 22 55	21 13 7 20	0 36			
S 4	17 28	8 21 3 50	13 28 4 48	2 45 0 25	1 56 0 36	7 6 1 10	20 20 0 14	23 10 0 3	1 13 1 28	23 29 6 22	23 2 22 55	21 15 7 22	0 36			
M 5	17 12	12 58 3 2	13 45 4 42	2 14 0 21	1 40 0 36	7 9 1 10	20 19 0 14	23 10 0 4	1 13 1 27	23 28 6 22	23 1 22 54	21 17 7 23	0 35			
T 6	16 56	17 2 2 6	14 21 4 34	1 44 0 17	1 25 0 35	7 12 1 9	20 17 0 14	23 11 0 4	1 14 1 27	23 28 6 22	23 2 22 54	21 19 7 25	0 35			
W 7	16 40	20 25 1 6	14 21 4 24	1 14 0 13	1 9 0 34	7 16 1 9	20 16 0 14	23 11 0 4	1 15 1 27	23 27 6 22	23 2 22 54	21 21 7 27	0 35			
T 8	16 23	22 56 0 3	14 39 4 13	0 44 0 9	0 54 0 33	7 19 1 9	20 14 0 14	23 11 0 4	1 15 1 27	23 27 6 22	23 2 22 54	21 22 7 29	0 34			
F 9	16 6	24 27 1s 1	14 58 4 0	0 13 0 4	0 38 0 33	7 22 1 9	20 13 0 14	23 11 0 4	1 16 1 27	23 26 6 22	23 2 22 53	21 24 7 30	0 34			
S 10	15 49	24 51 2 2	15 16 3 47	0s17 0s 0	0 23 0 32	7 26 1 9	20 11 0 14	23 11 0 4	1 17 1 27	23 26 6 23	23 1 22 53	21 26 7 32	0 34			
S 11	15 32	24 3 2 59	15 34 3 32	0 48 0 5	0 7 0 31	7 29 1 8	20 10 0 14	23 11 0 4	1 17 1 27	23 26 6 23	23 1 22 53	21 28 7 34	0 33			
M12	15 14	22 2 3 48	15 52 3 16	1 18 0 10	0s 9 0 31	7 32 1 8	20 8 0 14	23 12 0 4	1 18 1 27	23 25 6 23	23 0 22 52	21 30 7 36	0 33			
T 13	14 56	18 54 4 27	16 8 3 0	1 48 0 14	0 24 0 30	7 36 1 8	20 6 0 14	23 12 0 4	1 19 1 27	23 25 6 23	23 0 22 52	21 31 7 38	0 32			
W14	14 38	14 47 4 53	16 23 2 43	2 18 0 19	0 40 0 29	7 39 1 8	20 5 0 15	23 12 0 4	1 19 1 27	23 24 6 23	22 59 22 52	21 33 7 40	0 32			
T 15	14 19	9 54 5 3	16 37 2 26	2 49 0 24	0 56 0 29	7 43 1 8	20 3 0 15	23 12 0 4	1 20 1 27	23 24 6 23	22 58 22 52	21 35 7 42	0 32			
F 16	14 1	4 28 4 57	16 49 2 9	3 19 0 29	1 11 0 28	7 46 1 7	20 2 0 15	23 12 0 4	1 21 1 27	23 24 6 23	22 57 22 51	21 37 7 44	0 31			
S 17	13 42	1n16 4 34	17 0 1 52	3 49 0 34	1 27 0 28	7 50 1 7	20 0 0 15	23 12 0 4	1 21 1 27	23 23 6 23	22 56 22 51	21 39 7 46	0 31			
S 18	13 23	7 0 3 55	17 8 1 35	4 19 0 39	1 43 0 26	7 54 1 7	19 59 0 15	23 12 0 4	1 22 1 27	23 23 6 23	22 56 22 51	21 40 7 48	0 31			
M19	13 3	12 26 3 2	17 15 1 17	4 49 0 44	1 58 0 26	7 57 1 7	19 57 0 15	23 13 0 4	1 23 1 27	23 22 6 23	22 56 22 50	21 42 7 50	0 30			
T 20	12 44	17 17 1 57	17 19 1 1	5 19 0 49	2 14 0 25	8 1 1 7	19 55 0 15	23 13 0 4	1 24 1 27	23 22 6 24	22 56 22 50	21 44 7 52	0 30			
W21	12 24	21 11 0 45	17 20 0 44	5 48 0 54	2 30 0 24	8 5 1 6	19 54 0 15	23 13 0 4	1 24 1 27	23 22 6 24	22 56 22 50	21 46 7 55	0 30			
T 22	12 4	23 49 0n30	17 19 0 29	6 18 1 0	2 46 0 24	8 9 1 6	19 52 0 15	23 13 0 4	1 25 1 27	23 21 6 24	22 56 22 49	21 47 7 57	0 29			
F 23	11 44	24 55 1 44	17 16 0 14	6 48 1 5	3 2 0 23	8 12 1 6	19 51 0 15	23 13 0 4	1 26 1 27	23 21 6 24	22 56 22 49	21 49 7 59	0 29			
S 24	11 24	24 23 2 51	17 9 0n 1	7 17 1 10	3 17 0 22	8 16 1 6	19 49 0 15	23 13 0 4	1 27 1 27	23 20 6 24	22 55 22 49	21 51 8 1	0 29			
S 25	11 3	22 16 3 47	16 59 0 14	7 46 1 16	3 33 0 22	8 20 1 6	19 48 0 16	23 13 0 4	1 27 1 27	23 20 6 24	22 55 22 49	21 53 8 3	0 28			
M26	10 43	18 48 4 29	16 47 0 27	8 15 1 21	3 49 0 21	8 24 1 6	19 46 0 16	23 14 0 4	1 28 1 27	23 20 6 24	22 54 22 48	21 54 8 6	0 28			
T 27	10 22	14 21 4 54	16 32 0 39	8 44 1 27	4 5 0 20	8 28 1 5	19 45 0 16	23 14 0 4	1 29 1 27	23 19 6 24	22 53 22 48	21 56 8 8	0 28			
W28	10 1	9 16 5 1	16 13 0 59	9 13 1 32	4 20 0 20	8 32 1 5	19 43 0 16	23 14 0 4	1 30 1 27	23 19 6 25	22 52 22 48	21 58 8 10	0 27			
T 29	9 40	3 52 4 52	15 52 1 0	9 42 1 38	4 36 0 19	8 36 1 5	19 42 0 16	23 14 0 4	1 30 1 27	23 19 6 25	22 51 22 47	22 0 8 13	0 27			
F 30	9 18	1s34 4 28	15 28 1 9	10 10 1 44	4 52 0 18	8 40 1 5	19 40 0 16	23 14 0 4	1 31 1 27	23 18 6 25	22 50 22 47	22 1 8 15	0 27			
S 31	8n57	6s48 3n52	15n 1 1n17	10s38 1s49	5s 8 0n17	8s44 1n 5	19n39 0n16	23n14 0n 4	1s32 1n27	23n18 6n25	22n49 22n47	22s 3 8s18	0s26			

Julian Day Number = 2432033.5, Delta T = 27.74 sec
Ecliptic obliquity = 23°26'48", Nutation = - 0°00'15", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°59'39", Lahiri = 23°06'39"

ASTRODIENST EPHEMERIS for the year 1946

geocentric

SEPTEMBER 1946

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 38 13	7 ^h 57'13	9 ^m 17	24 ^s 59	24 ^s 1	14 ^s 19	25 ^s 19	3 ^s 36	21 ^s 29	7 ^s 15	12 ^s 12	16 ^s R58	16 ^s II36	13 ^s 710	20 ^s 18	S 1
M 2	22 42 9	8°55'18	21°19	26°50	25°1	14°58	25°29	3°43	21°31	7°17	12°14	16°II55	16°33	13°16	20°25	M 2
T 3	22 46 6	9°53'25	3 ^h 12	28°42	26°2	15°37	25°40	3°50	21°32	7°19	12°16	16°54	16°30	13°23	20°32	T 3
W 4	22 50 2	10°51'33	15°0	0 ^h 36	27°2	16°16	25°51	3°57	21°33	7°21	12°17	16°54	16°27	13°30	20°40	W 4
T 5	22 53 59	11°49'42	26°50	2°30	28°1	16°56	26°2	4°3	21°34	7°23	12°19	16°53	16°24	13°36	20°47	T 5
F 6	22 57 56	12°47'53	8 ^h 34	4°26	29°0	17°35	26°13	4°10	21°35	7°25	12°20	16°52	16°21	13°43	20°55	F 6
S 7	23 1 52	13°46'06	20°54	6°22	29°59	18°14	26°24	4°17	21°37	7°27	12°22	16°49	16°17	13°50	21°2	S 7
S 8	23 5 49	14°44'20	3 ^h 17	8°18	0 ^m 58	18°53	26°35	4°23	21°38	7°29	12°24	16°42	16°14	13°56	21°10	S 8
M 9	23 9 45	15°42'35	15°59	10°13	1°56	19°33	26°47	4°30	21°39	7°31	12°25	16°34	16°11	14°3	21°17	M 9
T 10	23 13 42	16°40'52	29°2	12°9	2°54	20°12	26°58	4°36	21°40	7°33	12°27	16°23	16°8	14°10	21°25	T 10
W 11	23 17 38	17°39'11	12 ^h 12	14°4	3°51	20°52	27°9	4°43	21°40	7°35	12°28	16°11	16°5	14°16	21°33	W 11
T 12	23 21 35	18°37'32	26°4	15°58	4°48	21°32	27°21	4°49	21°41	7°37	12°30	15°58	16°1	14°23	21°41	T 12
F 13	23 25 31	19°35'54	9 ^h 59	17°52	5°44	22°11	27°32	4°55	21°42	7°39	12°31	15°47	15°58	14°30	21°48	F 13
S 14	23 29 28	20°34'19	24°4	19°45	6°40	22°51	27°44	5°1	21°43	7°42	12°33	15°38	15°55	14°36	21°56	S 14
S 15	23 33 24	21°32'45	8 ^h 15	21°36	7°35	23°31	27°55	5°8	21°44	7°44	12°34	15°31	15°52	14°43	22°4	S 15
M 16	23 37 21	22°31'14	22°27	23°28	8°30	24°11	28°7	5°14	21°44	7°46	12°35	15°28	15°49	14°49	22°12	M 16
T 17	23 41 18	23°29'45	6 ^h II39	25°18	9°24	24°51	28°19	5°20	21°45	7°48	12°37	15°26	15°46	14°56	22°20	T 17
W 18	23 45 14	24°28'18	20°47	27°7	10°18	25°31	28°31	5°26	21°45	7°50	12°38	15°26	15°42	15°3	22°28	W 18
T 19	23 49 11	25°26'53	4 ^h 52	28°55	11°11	26°11	28°42	5°32	21°46	7°52	12°40	15°26	15°39	15°9	22°36	T 19
F 20	23 53 7	26°25'31	18°52	0 ^h 42	12°4	26°51	28°54	5°38	21°46	7°55	12°41	15°25	15°36	15°16	22°44	F 20
S 21	23 57 4	27°24'11	2 ^h 46	2°28	12°56	27°31	29°6	5°43	21°47	7°57	12°42	15°21	15°33	15°23	22°52	S 21
S 22	0 1 0	28°22'53	16°34	4°13	13°47	28°11	29°18	5°49	21°47	7°59	12°44	15°14	15°30	15°29	23°1	S 22
M 23	0 4 57	29°21'37	0 ^h 12	5°57	14°38	28°52	29°30	5°55	21°47	8°1	12°45	15°5	15°26	15°36	23°9	M 23
T 24	0 8 54	0 ^h 20'23	13°40	7°41	15°28	29°32	29°43	6°0	21°48	8°3	12°46	14°53	15°23	15°43	23°17	T 24
W 25	0 12 50	1°19'11	26°55	9°23	16°18	0 ^m 13	29°55	6°6	21°48	8°6	12°48	14°41	15°20	15°49	23°25	W 25
T 26	0 16 47	2°18'02	9 ^h 54	11°4	17°6	0°53	0 ^m 7	6°11	21°48	8°8	12°49	14°29	15°17	15°56	23°33	T 26
F 27	0 20 43	3°16'54	22°36	12°44	17°54	1°34	0°19	6°17	21°48	8°10	12°50	14°18	15°14	16°3	23°42	F 27
S 28	0 24 40	4°15'48	5 ^m 3	14°24	18°41	2°14	0°32	6°22	21°48	8°12	12°51	14°10	15°11	16°9	23°50	S 28
S 29	0 28 36	5°14'44	17°15	16°2	19°28	2°55	0°44	6°27	21°48	8°15	12°53	14°4	15°7	16°16	23°58	S 29
M 30	0 32 33	6 ^h 13'42	29 ^m 14	17 ^h 40	20 ^m 13	3 ^m 36	0 ^m 56	6 ^h 32	21 ^h 48	8 ^h 17	12 ^h 54	14 ^h II1	15 ^h II4	16 ^h 7	24 ^h 7	M 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	8n35	11s40	3n 5	14n31	1n24	11s 6	1s55	5s23	0n17	8s48	1n 5	19n37	0n16	23n14	0n 4	S 1
M 2	8 14	15 59	2 11	13 59	1 30	11 34	2 1	5 39	0 16	8 52	1 4	19 36	0 16	23 14	0 4	M 2
T 3	7 52	19 38	1 12	13 25	1 35	12 2	2 7	5 55	0 15	8 56	1 4	19 34	0 16	23 14	0 4	T 3
W 4	7 30	22 26	0 10	12 49	1 40	12 29	2 13	6 10	0 15	9 0	1 4	19 33	0 17	23 15	0 4	W 4
T 5	7 8	24 17	0s52	12 11	1 43	12 56	2 19	6 26	0 14	9 4	1 4	19 31	0 17	23 15	0 4	T 5
F 6	6 45	25 2	1 53	11 31	1 45	13 23	2 25	6 42	0 13	9 8	1 4	19 30	0 17	23 15	0 4	F 6
S 7	6 23	24 37	2 50	10 50	1 47	13 49	2 31	6 57	0 13	9 12	1 4	19 28	0 17	23 15	0 4	S 7
S 8	6 1	22 59	3 39	10 8	1 48	14 15	2 37	7 13	0 12	9 16	1 4	19 27	0 17	23 15	0 4	S 8
M 9	5 38	20 10	4 19	9 24	1 48	14 41	2 43	7 28	0 11	9 20	1 3	19 25	0 17	23 15	0 4	M 9
T 10	5 16	16 18	4 47	8 39	1 47	15 7	2 49	7 44	0 11	9 25	1 3	19 24	0 17	23 15	0 4	T 10
W 11	4 53	11 31	5 0	7 54	1 46	15 32	2 55	8 0	0 10	9 29	1 3	19 22	0 17	23 15	0 4	W 11
T 12	4 30	6 5	4 56	7 8	1 44	15 57	3 1	8 15	0 9	9 33	1 3	19 21	0 17	23 15	0 4	T 12
F 13	4 7	0 15	4 34	6 21	1 41	16 22	3 7	8 30	0 9	9 37	1 3	19 20	0 18	23 15	0 4	F 13
S 14	3 44	5n41	3 56	5 34	1 38	16 46	3 13	8 46	0 8	9 42	1 3	19 18	0 18	23 15	0 4	S 14
S 15	3 21	11 22	3 3	4 47	1 35	17 10	3 19	9 1	0 7	9 46	1 3	19 17	0 18	23 15	0 4	S 15
M 16	2 58	16 29	1 58	4 0	1 31	17 34	3 25	9 16	0 7	9 50	1 2	19 15	0 18	23 15	0 4	M 16
T 17	2 35	20 40	0 46	3 12	1 27	17 57	3 31	9 32	0 6	9 54	1 2	19 14	0 18	23 15	0 4	T 17
W 18	2 12	23 36	0n28	2 25	1 22	18 20	3 37	9 47	0 5	9 59	1 2	19 13	0 18	23 15	0 4	W 18
T 19	1 49	25 2	1 41	1 37	1 18	18 43	3 43	10 2	0 5	10 3	1 2	19 11	0 18	23 16	0 4	T 19
F 20	1 25	24 53	2 47	0 50	1 12	19 5	3 49	10 17	0 4	10 7	1 2	19 10	0 18	23 16	0 4	F 20
S 21	1 2	23 10	3 43	0 2	1 7	19 27	3 54	10 32	0 4	10 12	1 2	19 9	0 18	23 16	0 4	S 21
S 22	0 39	20 5	4 25	0s45	1 1	19 48	4 0	10 47	0 3	10 16	1 2	19 7	0 19	23 16	0 4	S 22
M 23	0 15	15 57	4 51	1 31	0 55	20 9	4 6	11 2	0 2	10 20	1 2	19 6	0 19	23 16	0 4	M 23
T 24	0s 8	11 3	5 1	2 18	0 49	20 30	4 12	11 17	0 2	10 25	1 1	19 5	0 19	23 16	0 4	T 24
W 25	0 31	5 44	4 55	3 4	0 43	20 50	4 18	11 32	0 1	10 29	1 1	19 4	0 19	23 16	0 4	W 25
T 26	0 55	0 16	4 33	3 50	0 36	21 9	4 24	11 47	0 0	10 34	1 1	19 2	0 19	23 16	0 4	T 26
F 27	1 18	5s 7	3 58	4 35	0 29	21 29	4 29	12 2	0s 0	10 38	1 1	19 1	0 19	23 16	0 4	F 27
S 28	1 42	10 12	3 12	5 20	0 23	21 47	4 35	12 16	0 1	10 42	1 1	19 0	0 19	23 16	0 4	S 28
S 29	2 5	14 47	2 17	6 4	0 16	22 6	4 40	12 31	0 2	10 47	1 1	18 59	0 19	23 16	0 4	S 29
M 30	2s28	18s44	1n18	6s48	0n 9	22s23	4s46	12s45	0s 2	10s51	1n 1	18n58	0n20	23n16	0n 4	M 30

Julian Day Number = 2432064.5, Delta T = 27.77 sec

Ecliptic obliquity = 23°26'49, Nutation = - 0°00'16, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 23°59'43, Lahiri = 23°06'44

ASTRODIENST EPHEMERIS for the year 1946
geocentric

OCTOBER 1946

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	0 36 29	7♌12'42	11♊5	19♏16	20♌58	4♍17	1♎9	6♎38	21°R48	8♏19	12♏55	14°D 0	15♐1	16♊29	24♏15	T 1
W 2	0 40 26	8°11'43	22°53	20°52	21°41	4°57	1°21	6°43	21♐48	8°21	12°56	14♐0	14°58	16°36	24°24	W 2
T 3	0 44 22	9°10'46	4♋41	22°27	22°24	5°38	1°34	6°47	21°47	8°24	12°57	14°R 0	14°55	16°42	24°32	T 3
F 4	0 48 19	10°9'52	16°37	24°1	23°6	6°19	1°46	6°52	21°47	8°26	12°58	14°0	14°52	16°49	24°41	F 4
S 5	0 52 16	11°8'58	28°45	25°35	23°46	7°0	1°59	6°57	21°47	8°28	12°59	13°58	14°48	16°56	24°49	S 5
S 6	0 56 12	12°8'07	11♋10	27°7	24°26	7°42	2°12	7°2	21°46	8°30	13°0	13°55	14°45	17°2	24°58	S 6
M 7	1 0 9	13°7'18	23°56	28°39	25°4	8°23	2°24	7°6	21°46	8°32	13°2	13°48	14°42	17°9	25°6	M 7
T 8	1 4 5	14°6'30	7♌6	0♌10	25°41	9°4	2°37	7°11	21°45	8°35	13°3	13°40	14°39	17°16	25°15	T 8
W 9	1 8 2	15°5'44	20°41	1°40	26°17	9°45	2°50	7°15	21°45	8°37	13°4	13°31	14°36	17°22	25°23	W 9
T 10	1 11 58	16°5'00	4♏39	3°10	26°52	10°27	3°3	7°20	21°44	8°39	13°4	13°21	14°32	17°29	25°32	T 10
F 11	1 15 55	17°4'17	18°56	4°38	27°25	11°8	3°15	7°24	21°44	8°41	13°5	13°12	14°29	17°36	25°40	F 11
S 12	1 19 51	18°3'37	3♋26	6°6	27°57	11°50	3°28	7°28	21°43	8°44	13°6	13°5	14°26	17°42	25°49	S 12
S 13	1 23 48	19°3'00	18°3	7°33	28°27	12°31	3°41	7°32	21°42	8°46	13°7	13°0	14°23	17°49	25°57	S 13
M14	1 27 45	20°2'24	2♐40	8°59	28°56	13°13	3°54	7°36	21°41	8°48	13°8	12°58	14°20	17°56	26°6	M14
T 15	1 31 41	21°1'51	17°12	10°25	29°23	13°54	4°7	7°40	21°40	8°50	13°9	12°D57	14°17	18°2	26°15	T 15
W16	1 35 38	22°1'20	1♌33	11°49	29°49	14°36	4°20	7°44	21°40	8°52	13°10	12°58	14°13	18°9	26°23	W16
T 17	1 39 34	23°0'51	15°43	13°13	0♊13	15°18	4°33	7°48	21°39	8°55	13°11	12°59	14°10	18°15	26°32	T 17
F 18	1 43 31	24°0'25	29°40	14°35	0°35	16°0	4°46	7°51	21°38	8°57	13°11	12°R59	14°7	18°22	26°41	F 18
S 19	1 47 27	25°0'01	13♏23	15°57	0°56	16°42	4°59	7°55	21°37	8°59	13°12	12°58	14°4	18°29	26°49	S 19
S 20	1 51 24	25°59'39	26°53	17°18	1°15	17°24	5°12	7°58	21°35	9°1	13°13	12°54	14°1	18°35	26°58	S 20
M21	1 55 20	26°59'19	10♏10	18°38	1°31	18°6	5°25	8°2	21°34	9°3	13°14	12°48	13°58	18°42	27°6	M21
T 22	1 59 17	27°59'02	23°15	19°56	1°46	18°48	5°38	8°5	21°33	9°5	13°14	12°41	13°54	18°49	27°15	T 22
W23	2 3 14	28°58'47	6♌7	21°13	1°59	19°30	5°51	8°8	21°32	9°7	13°15	12°33	13°51	18°55	27°24	W23
T 24	2 7 10	29°58'34	18°45	22°29	2°9	20°12	6°4	8°11	21°31	9°10	13°15	12°25	13°48	19°2	27°32	T 24
F 25	2 11 7	0♌58'23	1♌12	23°44	2°18	20°55	6°17	8°14	21°29	9°12	13°16	12°18	13°45	19°9	27°41	F 25
S 26	2 15 3	1°58'13	13°26	24°57	2°24	21°37	6°30	8°17	21°28	9°14	13°17	12°13	13°42	19°15	27°50	S 26
S 27	2 19 0	2°58'06	25°30	26°8	2°28	22°19	6°43	8°20	21°27	9°16	13°17	12°9	13°38	19°22	27°58	S 27
M28	2 22 56	3°58'01	7♊24	27°18	2°R30	23°2	6°57	8°22	21°25	9°18	13°18	12°D 8	13°35	19°29	28°7	M28
T 29	2 26 53	4°57'57	19°13	28°25	2°29	23°45	7°10	8°25	21°24	9°20	13°18	12°8	13°32	19°35	28°15	T 29
W30	2 30 49	5°57'56	0♋59	29°30	2°26	24°27	7°23	8°27	21°22	9°22	13°19	12°9	13°29	19°42	28°24	W30
T 31	2 34 46	6♌57'56	12♋47	0♊33	2♊20	25♌10	7♌36	8♏30	21♐20	9♏24	13♏19	12♐11	13♐26	19♊48	28♏33	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	2s52	21s51	0n15	7s31	0n 2	22s41	4s51	13s 0	0s 3	10s56	1n 1	18n56	0n20	23n16	0n 4	1s58	1n27	23n10	6n31	22n29	22n36	22s54	9s40	0s16	
W 2	3 15	24 3	0s47	8 14	0s 5	22 58	4 56	13 14	0 4	11 0	1 1	18 55	0 20	23 16	0 4	1 59	1 27	23 10	6 31	22 29	22 36	22 55	9 42	0 16	
T 3	3 38	25 10	1 48	8 56	0 12	23 14	5 2	13 28	0 4	11 5	1 1	18 54	0 20	23 16	0 4	2 0	1 27	23 10	6 31	22 29	22 36	22 57	9 45	0 16	
F 4	4 2	25 9	2 45	9 37	0 19	23 30	5 7	13 42	0 5	11 9	1 0	18 53	0 20	23 16	0 4	2 1	1 27	23 10	6 31	22 29	22 35	22 58	9 48	0 15	
S 5	4 25	23 56	3 36	10 18	0 26	23 45	5 12	13 57	0 5	11 13	1 0	18 52	0 20	23 16	0 4	2 2	1 27	23 10	6 31	22 29	22 35	23 0	9 51	0 15	
S 6	4 48	21 33	4 17	10 58	0 34	24 0	5 17	14 11	0 6	11 18	1 0	18 51	0 20	23 16	0 4	2 3	1 27	23 10	6 32	22 29	22 35	23 1	9 54	0 15	
M 7	5 11	18 3	4 47	11 38	0 41	24 14	5 21	14 24	0 7	11 22	1 0	18 50	0 20	23 16	0 4	2 4	1 27	23 10	6 32	22 28	22 34	23 3	9 57	0 14	
T 8	5 34	13 35	5 3	12 17	0 48	24 28	5 26	14 38	0 7	11 27	1 0	18 49	0 20	23 16	0 4	2 4	1 27	23 10	6 32	22 27	22 34	23 4	9 59	0 14	
W 9	5 57	8 20	5 3	12 55	0 55	24 41	5 30	14 52	0 8	11 31	1 0	18 48	0 21	23 16	0 4	2 5	1 27	23 10	6 32	22 26	22 33	23 6	10 2	0 14	
T 10	6 20	2 30	4 44	13 32	1 2	24 53	5 35	15 6	0 9	11 36	1 0	18 47	0 21	23 16	0 4	2 6	1 27	23 10	6 33	22 25	22 33	23 7	10 5	0 14	
F 11	6 42	3n35	4 8	14 9	1 9	25 5	5 39	15 19	0 9	11 40	1 0	18 46	0 21	23 16	0 4	2 7	1 27	23 9	6 33	22 23	22 33	23 9	10 8	0 13	
S 12	7 5	9 36	3 16	14 45	1 16	25 16	5 43	15 33	0 10	11 44	1 0	18 45	0 21	23 16	0 4	2 8	1 27	23 9	6 33	22 23	22 32	23 10	10 11	0 13	
S 13	7 28	15 8	2 10	15 20	1 23	25 27	5 47	15 46	0 10	11 49	1 0	18 44	0 21	23 16	0 4	2 9	1 27	23 9	6 33	22 22	22 32	23 12	10 14	0 13	
M14	7 50	19 48	0 55	15 54	1 29	25 37	5 50	15 59	0 11	11 53	1 0	18 43	0 21	23 16	0 4	2 10	1 27	23 9	6 33	22 22	22 32	23 13	10 16	0 12	
T 15	8 13	23 13	0n23	16 28	1 36	25 46	5 53	16 12	0 12	11 58	1 0	18 42	0 21	23 16	0 4	2 10	1 27	23 9	6 34	22 22	22 31	23 15	10 19	0 12	
W16	8 35	25 5	1 39	17 0	1 42	25 55	5 56	16 25	0 12	12 2	0 59	18 41	0 22	23 15	0 4	2 11	1 27	23 9	6 34	22 22	22 31	23 16	10 22	0 12	
T 17	8 57	25 17	2 47	17 32	1 48	26 3	5 59	16 38	0 13	12 6	0 59	18 40	0 22	23 15	0 4	2 12	1 27	23 9	6 34	22 22	22 30	23 18	10 25	0 11	
F 18	9 19	23 53	3 45	18 3	1 55	26 10	6 2	16 51	0 13	12 11	0 59	18 40	0 22	23 15	0 4	2 13	1 27	23 9	6 34	22 22	22 30	23 19	10 28	0 11	
S 19	9 41	21 6	4 29	18 32	2 1	26 17	6 4	17 3	0 14	12 15	0 59	18 39	0 22	23 15	0 4	2 14	1 27	23 9	6 35	22 22	22 30	23 21	10 31	0 11	
S 20	10 3	17 12	4 57	19 1	2 6	26 23	6 6	17 16	0 15	12 20	0 59	18 38	0 22	23 15	0 4	2 15	1 27	23 9	6 35	22 21	22 29	23 22	10 33	0 11	
M21	10 24	12 30	5 8	19 29	2 12	26 28	6 8	17 28	0 15	12 24	0 59	18 37	0 22	23 15	0 4	2 16	1 27	23 9	6 35	22 20	22 29	23 23	10 36	0 10	
T 22	10 46	7 19	5 3	19 56	2 17	26 32	6 9	17 41	0 16	12 28	0 59	18 37	0 22	23 15	0 5	2 16	1 27	23 9	6 35	22 20	22 29	23 25	10 39	0 10	
W23	11 7	1 54	4 43	20 21	2 22	26 36	6 10	17 53	0 17	12 33	0 59	18 36	0 22	23 15	0 5	2 17	1 27	23 9	6 36	22 18	22 28	23 26	10 42	0 10	
T 24	11 28	3s30	4 9	20 46	2 27	26 39	6 10	18 5	0 17	12 37	0 59	18 35	0 23	23 15	0 5	2 18	1 27	23 10	6 36	22 17	22 28	23 28	10 45	0 9	
F 25	11 49	8 42	3 24	21 9	2 31	26 40	6 10	18 16	0 18	12 42	0 59	18 35	0 23	23 15	0 5	2 19	1 27	23 10	6 36	22 17	22 27	23 29	10 48	0 9	
S 26	12 10	13 30	2 30	21 31	2 36	26 41	6 10	18 28	0 18	12 46	0 59	18 34	0 23	23 15	0 5	2 20	1 27	23 10	6 36	22 16	22 27	23 31	10 50	0 9	
S 27	12 30	17 42	1 29	21 52	2 39	26 41	6 9	18 40	0 19	12 50	0 59	18 33	0 23	23 15	0 5	2 20	1 27	23 10	6 37	22 15	22 27	23 32	10 53	0 8	
M28	12 51	21 8	0 26	22 12	2 43	26 40	6 8	18 51	0 20	12 55	0 59	18 33	0 23	23 15	0 5	2 21	1 27	23 10	6 37	22 15	22 26	23 33	10 56	0 8	
T 29	13 11	23 39	0s39	22 30	2 46	26 39	6 6	19 2	0 20	12 59	0 59	18 32	0 23	23 15	0 5	2 22	1 27	23 10	6 37	22 15	22 26	23 35	10 59	0 8	
W30	13 31	25 8	1 41	22 47	2 48	26 36	6 4	19 13	0 21	13 3	0 59	18 32	0 23	23 15	0 5	2 23	1 27	23 10	6 37	22 15	22 26	23 36	11 2	0 8	
T 31	13s51	25s29	2s40	23s 2	2s50	26s32	6s 1	19s24	0s21	13s 8	0n59	18n31	0n24	23n14	0n 5	2s24	1n27	23n10	6n38	22n16	22n25	23s38	11s 4	0s 7	

ASTRODIENST EPHEMERIS for the year 1946
geocentric

NOVEMBER 1946

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	2 38 43	7♍57°57	24♌41	1♊32	2°R12	25♍53	7♍49	8♌32	21°R19	9♎26	13♌19	12♍12	13♍23	19♊55	28♌41	F 1
S 2	2 42 39	8°58'00	6♋47	2°29	2♊ 2	26°35	8° 2	8°34	21♍17	9°28	13°20	12°R13	13°19	20° 2	28°50	S 2
S 3	2 46 36	9°58'05	19° 9	3°22	1°49	27°18	8°15	8°36	21°15	9°30	13°20	12°13	13°16	20° 8	28°58	S 3
M 4	2 50 32	10°58'11	1♋52	4°11	1°34	28° 1	8°29	8°38	21°14	9°32	13°20	12°11	13°13	20°15	29° 7	M 4
T 5	2 54 29	11°58'19	15° 0	4°55	1°16	28°44	8°42	8°40	21°12	9°34	13°21	12° 8	13°10	20°22	29°15	T 5
W 6	2 58 25	12°58'29	28°35	5°35	0°56	29°27	8°55	8°41	21°10	9°36	13°21	12° 4	13° 7	20°28	29°24	W 6
T 7	3 2 22	13°58'39	12♋37	6°10	0°34	0♊10	9° 8	8°43	21° 8	9°38	13°21	11°59	13° 3	20°35	29°32	T 7
F 8	3 6 18	14°58'52	27° 4	6°38	0°10	0°53	9°21	8°44	21° 6	9°40	13°21	11°55	13° 0	20°42	29°41	F 8
S 9	3 10 15	15°59'06	11♌50	6°59	29♍43	1°36	9°34	8°46	21° 4	9°42	13°22	11°52	12°57	20°48	29°49	S 9
S 10	3 14 12	16°59'22	26°48	7°13	29°15	2°20	9°47	8°47	21° 2	9°44	13°22	11°50	12°54	20°55	29°57	S 10
M 11	3 18 8	17°59'40	11♍49	7°R19	28°45	3° 3	10° 0	8°48	21° 0	9°46	13°22	11°D50	12°51	21° 2	0♍ 6	M 11
T 12	3 22 5	19° 0'00	26°45	7°17	28°13	3°46	10°13	8°49	20°58	9°47	13°22	11°50	12°48	21° 8	0°14	T 12
W 13	3 26 1	20° 0'21	11♌59	7° 5	27°40	4°30	10°26	8°50	20°56	9°49	13°22	11°51	12°44	21°15	0°23	W 13
T 14	3 29 58	21° 0'45	25°55	6°42	27° 6	5°13	10°40	8°51	20°54	9°51	13°22	11°53	12°41	21°22	0°31	T 14
F 15	3 33 54	22° 1'10	10♌ 1	6°10	26°31	5°57	10°53	8°52	20°52	9°53	13°R22	11°54	12°38	21°28	0°39	F 15
S 16	3 37 51	23° 1'38	23°46	5°28	25°55	6°40	11° 6	8°52	20°50	9°55	13°22	11°R54	12°35	21°35	0°47	S 16
S 17	3 41 47	24° 2'07	7♎11	4°35	25°19	7°24	11°19	8°53	20°48	9°56	13°22	11°54	12°32	21°41	0°56	S 17
M 18	3 45 44	25° 2'38	20°16	3°33	24°43	8° 8	11°32	8°53	20°46	9°58	13°22	11°52	12°29	21°48	1° 4	M 18
T 19	3 49 41	26° 3'10	3♌ 4	2°24	24° 6	8°52	11°45	8°53	20°43	10° 0	13°22	11°50	12°25	21°55	1°12	T 19
W 20	3 53 37	27° 3'45	15°38	1° 7	23°30	9°35	11°57	8°53	20°41	10° 1	13°22	11°48	12°22	22° 1	1°20	W 20
T 21	3 57 34	28° 4'21	27°59	29♍47	22°54	10°19	12°10	8°R53	20°39	10° 3	13°22	11°46	12°19	22° 8	1°28	T 21
F 22	4 1 30	29° 4'59	10♍ 9	28°26	22°20	11° 3	12°23	8°53	20°37	10° 5	13°21	11°44	12°16	22°15	1°36	F 22
S 23	4 5 27	0♊ 5'38	22°11	27° 5	21°46	11°47	12°36	8°53	20°34	10° 6	13°21	11°43	12°13	22°21	1°44	S 23
S 24	4 9 23	1° 6'19	4♊ 6	25°49	21°13	12°31	12°49	8°53	20°32	10° 8	13°21	11°42	12° 9	22°28	1°52	S 24
M 25	4 13 20	2° 7'01	15°56	24°38	20°42	13°15	13° 2	8°52	20°29	10° 9	13°21	11°D42	12° 6	22°35	2° 0	M 25
T 26	4 17 16	3° 7'45	27°43	23°36	20°13	14° 0	13°15	8°52	20°27	10°11	13°20	11°42	12° 3	22°41	2° 8	T 26
W 27	4 21 13	4° 8'30	9♌30	22°44	19°45	14°44	13°27	8°51	20°25	10°12	13°20	11°43	12° 0	22°48	2°16	W 27
T 28	4 25 10	5° 9'15	21°19	22° 3	19°19	15°28	13°40	8°50	20°22	10°14	13°20	11°44	11°57	22°55	2°24	T 28
F 29	4 29 6	6°10'03	3♋15	21°34	18°55	16°12	13°53	8°49	20°20	10°15	13°19	11°44	11°54	23° 1	2°31	F 29
S 30	4 33 3	7♊10°51	15♋20	21♍16	18♍34	16♊57	14♍ 5	8♌48	20♍17	10♎17	13♌19	11♍45	11♍50	23♊ 8	2♍39	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
F 1	14s10	24s40	3s32	23s16	2s51	26s27	5s57	19s35	0s22	13s12	0n59	18n31	0n24	23n14	0n 5	2s24	1n27	23n10	6n38	22n16	22n25	23s39	11s 7	0s 7	0s 7
S 2	14 29	22 42	4 16	23 29	2 52	26 20	5 53	19 46	0 22	13 16	0 59	18 31	0 24	23 14	0 5	2 25	1 27	23 10	6 38	22 16	22 24	23 40	11 10	0 7	0 7
S 3	14 49	19 39	4 49	23 39	2 52	26 13	5 49	19 56	0 23	13 20	0 59	18 30	0 24	23 14	0 5	2 26	1 27	23 11	6 38	22 16	22 24	23 42	11 13	0 6	0 6
M 4	15 7	15 37	5 8	23 48	2 52	26 5	5 43	20 7	0 24	13 25	0 59	18 30	0 24	23 14	0 5	2 27	1 27	23 11	6 39	22 16	22 24	23 43	11 15	0 6	0 6
T 5	15 26	10 43	5 13	23 55	2 50	25 55	5 37	20 17	0 24	13 29	0 58	18 29	0 24	23 14	0 5	2 27	1 27	23 11	6 39	22 15	22 23	23 44	11 18	0 6	0 6
W 6	15 44	5 10	5 1	24 0	2 48	25 44	5 31	20 27	0 25	13 33	0 58	18 29	0 24	23 14	0 5	2 28	1 27	23 11	6 39	22 15	22 23	23 46	11 21	0 6	0 6
T 7	16 2	0n50	4 30	24 2	2 44	25 32	5 23	20 36	0 25	13 37	0 58	18 29	0 25	23 14	0 5	2 29	1 27	23 11	6 39	22 14	22 22	23 47	11 24	0 5	0 5
F 8	16 20	6 59	3 42	24 3	2 40	25 19	5 15	20 46	0 26	13 41	0 58	18 29	0 25	23 14	0 5	2 29	1 27	23 11	6 40	22 14	22 22	23 49	11 26	0 5	0 5
S 9	16 38	12 53	2 38	24 1	2 34	25 5	5 6	20 55	0 26	13 46	0 58	18 28	0 25	23 14	0 5	2 30	1 27	23 12	6 40	22 13	22 22	23 50	11 29	0 5	0 5
S 10	16 55	18 7	1 22	23 57	2 27	24 49	4 57	21 5	0 27	13 50	0 58	18 28	0 25	23 13	0 5	2 31	1 27	23 12	6 40	22 13	22 21	23 51	11 32	0 4	0 4
M 11	17 12	22 13	0 0	23 50	2 19	24 32	4 46	21 14	0 28	13 54	0 58	18 28	0 25	23 13	0 5	2 32	1 27	23 12	6 40	22 13	22 21	23 53	11 34	0 4	0 4
T 12	17 29	24 46	1n21	23 39	2 9	24 15	4 35	21 22	0 28	13 58	0 58	18 28	0 25	23 13	0 5	2 32	1 28	23 12	6 41	22 13	22 20	23 54	11 37	0 4	0 4
W 13	17 45	25 33	2 37	23 26	1 58	23 56	4 24	21 31	0 29	14 2	0 58	18 28	0 25	23 13	0 5	2 33	1 28	23 12	6 41	22 13	22 20	23 55	11 40	0 3	0 3
T 14	18 1	24 34	3 40	23 10	1 45	23 36	4 12	21 39	0 29	14 6	0 58	18 28	0 26	23 13	0 5	2 34	1 28	23 13	6 41	22 13	22 20	23 56	11 42	0 3	0 3
F 15	18 17	22 3	4 29	22 50	1 31	23 15	3 59	21 48	0 30	14 10	0 58	18 28	0 26	23 13	0 5	2 34	1 28	23 13	6 42	22 13	22 19	23 58	11 45	0 3	0 3
S 16	18 32	18 19	5 1	22 27	1 15	22 54	3 46	21 56	0 30	14 14	0 58	18 28	0 26	23 13	0 5	2 35	1 28	23 13	6 42	22 13	22 19	23 59	11 48	0 3	0 3
S 17	18 47	13 45	5 15	22 0	0 57	22 32	3 32	22 4	0 31	14 18	0 58	18 28	0 26	23 12	0 5	2 36	1 28	23 13	6 42	22 13	22 18	24 0	11 50	0 2	0 2
M 18	19 2	8 39	5 13	21 30	0 38	22 9	3 18	22 11	0 31	14 22	0 58	18 28	0 26	23 12	0 5	2 36	1 28	23 14	6 42	22 13	22 18	24 2	11 53	0 2	0 2
T 19	19 16	3 17	4 55	20 57	0 19	21 46	3 3	22 19	0 32	14 26	0 58	18 28	0 26	23 12	0 5	2 37	1 28	23 14	6 43	22 13	22 18	24 3	11 55	0 2	0 2
W 20	19 30	2s 6	4 23	20 22	0n 2	21 22	2 48	22 26	0 33	14 30	0 58	18 28	0 26	23 12	0 5	2 37	1 28	23 14	6 43	22 13	22 17	24 4	11 58	0 1	0 1
T 21	19 44	7 21	3 39	19 45	0 22	20 58	2 33	22 33	0 33	14 34	0 58	18 28	0 27	23 12	0 5	2 38	1 28	23 15	6 43	22 12	22 17	24 5	12 0	0 1	0 1
F 22	19 58	12 14	2 46	19 7	0 43	20 35	2 18	22 40	0 34	14 38	0 58	18 28	0 27	23 12	0 5	2 39	1 28	23 15	6 43	22 12	22 16	24 7	12 3	0 1	0 1
S 23	20 11	16 36	1 46	18 30	1 2	20 11	2 2	22 46	0 34	14 42	0 58	18 28	0 27	23 12	0 5	2 39	1 28	23 15	6 44	22 12	22 16	24 8	12 5	0 1	0 1
S 24	20 23	20 17	0 42	17 55	1 21	19 47	1 47	22 53	0 35	14 46	0 58	18 29	0 27	23 11	0 5	2 40	1 28	23 15	6 44	22 12	22 15	24 9	12 8	0 0	0 0
M 25	20 35	23 6	0s23	17 22	1 37	19 24	1 31	22 59	0 35	14 50	0 58	18 29	0 27	23 11	0 5	2 40	1 28	23 16	6 44	22 12	22 15	24 10	12 10	0n 0	0n 0
T 26	20 47	24 53	1 28	16 52	1 52	19 1	1 16	23 5	0 36	14 54	0 58	18 29	0 27	23 11	0 5	2 41	1 28	23 16	6 44	22 12	22 15	24 12	12 13	0 0	0 0
W 27	20 59	25 35	2 28	16 27	2 5	18 39	1 0	23 10	0 36	14 57	0 58	18 30	0 27	23 11	0 5	2 41	1 28	23 16	6 45	22 12	22 14	24 13	12 15	0 1	0 1
T 28	21 10	25 6	3 23	16 6	2 15	18 17	0 45	23 16	0 37	15 1	0 58	18 30	0 28	23 11	0 5	2 42	1 28	23 17	6 45	22 12	22 14	24 14	12 18	0 1	0 1
F 29	21 21	23 28	4 9	15 51	2 24	17 56	0 30	23 21	0 37	15 5	0 58	18 30	0 28	23 11	0 5	2 43	1 28	23 17	6 45	22 12	22 13	24 15	12 20	0 1	0 1
S 30	21s31	20s47	4s45	15s40	2n30	17s36	0s15	23s26	0s38	15s 9	0n58	18n31	0n28	23n10	0n 5	2s43	1n28	23n17	6n45	22n12	22n13	24s17	12s22	0n 0	0n 0

ASTRODIENST EPHEMERIS for the year 1946
geocentric

DECEMBER 1946

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	4 36 59	8♌11'39	27♋40	21°D 9	18°R15	17♌41	14♌18	8°R47	20°R15	10♌18	13°R19	11♌45	11♌47	23♌15	2♌47	S 1
M 2	4 40 56	9°12'29	10♌17	21♌14	17♌58	18°26	14°31	8♌46	20♌12	10°19	13♌18	11°R45	11°44	23°21	2°54	M 2
T 3	4 44 52	10°13'20	23°18	21°28	17°43	19°10	14°43	8°45	20°10	10°21	13°18	11°45	11°41	23°28	3° 2	T 3
W 4	4 48 49	11°14'11	6♏43	21°51	17°31	19°55	14°56	8°43	20° 7	10°22	13°17	11°D45	11°38	23°34	3° 9	W 4
T 5	4 52 45	12°15'04	20°36	22°22	17°21	20°40	15° 8	8°42	20° 5	10°23	13°17	11°45	11°35	23°41	3°17	T 5
F 6	4 56 42	13°15'57	4♏57	23° 1	17°14	21°24	15°20	8°40	20° 2	10°25	13°16	11°45	11°31	23°48	3°24	F 6
S 7	5 0 39	14°16'51	19°41	23°47	17° 9	22° 9	15°33	8°38	20° 0	10°26	13°15	11°45	11°28	23°54	3°31	S 7
S 8	5 4 35	15°17'46	4♌44	24°38	17°D 7	22°54	15°45	8°37	19°57	10°27	13°15	11°R46	11°25	24° 1	3°39	S 8
M 9	5 8 32	16°18'42	19°57	25°35	17° 7	23°39	15°57	8°35	19°55	10°28	13°14	11°46	11°22	24° 8	3°46	M 9
T 10	5 12 28	17°19'38	5♏11	26°36	17°10	24°24	16° 9	8°33	19°52	10°29	13°14	11°45	11°19	24°14	3°53	T 10
W 11	5 16 25	18°20'36	20°15	27°40	17°15	25° 9	16°22	8°30	19°50	10°30	13°13	11°45	11°15	24°21	4° 0	W 11
T 12	5 20 21	19°21'35	5♌2	28°49	17°23	25°54	16°34	8°28	19°47	10°31	13°12	11°44	11°12	24°28	4° 7	T 12
F 13	5 24 18	20°22'35	19°25	29°59	17°32	26°39	16°46	8°26	19°44	10°33	13°11	11°43	11° 9	24°34	4°14	F 13
S 14	5 28 15	21°23'36	3♏22	1♌14	17°44	27°24	16°58	8°23	19°42	10°34	13°11	11°42	11° 6	24°41	4°21	S 14
S 15	5 32 11	22°24'38	16°51	2°30	17°58	28° 9	17°10	8°21	19°39	10°34	13°10	11°D42	11° 3	24°48	4°28	S 15
M 16	5 36 8	23°25'40	29°56	3°48	18°15	28°54	17°21	8°18	19°37	10°35	13° 9	11°42	11° 0	24°54	4°35	M 16
T 17	5 40 4	24°26'44	12♌39	5° 7	18°33	29°39	17°33	8°15	19°34	10°36	13° 8	11°42	10°56	25° 1	4°41	T 17
W 18	5 44 1	25°27'49	25° 3	6°28	18°53	0♏25	17°45	8°12	19°32	10°37	13° 7	11°43	10°53	25° 8	4°48	W 18
T 19	5 47 57	26°28'54	7♌13	7°51	19°16	1°10	17°57	8° 9	19°29	10°38	13° 7	11°45	10°50	25°14	4°55	T 19
F 20	5 51 54	27°30'01	19°12	9°14	19°40	1°55	18° 8	8° 6	19°27	10°39	13° 6	11°46	10°47	25°21	5° 1	F 20
S 21	5 55 50	28°31'08	1♌5	10°39	20° 6	2°41	18°20	8° 3	19°24	10°40	13° 5	11°47	10°44	25°28	5° 8	S 21
S 22	5 59 47	29°32'16	12°53	12° 4	20°33	3°26	18°31	8° 0	19°22	10°40	13° 4	11°R48	10°41	25°34	5°14	S 22
M 23	6 3 44	0♏33'24	24°41	13°30	21° 2	4°12	18°43	7°57	19°19	10°41	13° 3	11°47	10°37	25°41	5°20	M 23
T 24	6 7 40	1°34'33	6♏29	14°57	21°33	4°58	18°54	7°53	19°17	10°42	13° 2	11°45	10°34	25°47	5°26	T 24
W 25	6 11 37	2°35'42	18°19	16°25	22° 6	5°43	19° 5	7°50	19°14	10°42	13° 1	11°43	10°31	25°54	5°32	W 25
T 26	6 15 33	3°36'52	0♌15	17°53	22°39	6°29	19°16	7°46	19°12	10°43	13° 0	11°39	10°28	26° 1	5°39	T 26
F 27	6 19 30	4°38'01	12°18	19°21	23°15	7°15	19°27	7°43	19° 9	10°44	12°59	11°35	10°25	26° 7	5°44	F 27
S 28	6 23 26	5°39'11	24°30	20°50	23°51	8° 0	19°38	7°39	19° 7	10°44	12°58	11°31	10°21	26°14	5°50	S 28
S 29	6 27 23	6°40'21	6♌53	22°20	24°29	8°46	19°49	7°35	19° 4	10°45	12°57	11°27	10°18	26°21	5°56	S 29
M 30	6 31 19	7°41'30	19°31	23°50	25° 8	9°32	20° 0	7°31	19° 2	10°45	12°56	11°25	10°15	26°27	6° 2	M 30
T 31	6 35 16	8♏42'40	2♏26	25♌20	25♌49	10♏18	20♌11	7♌27	19♌0	10♌46	12♌55	11♌24	10♌12	26♌34	6♌7	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	decl	lat
S 1	21s41	17s 7	5s 9	15s34	2n35	17s17	0s 1	23s31	0s38	15s12	0n58	18n31	0n28	23n10	0n 5	2s44	1n28	23n18	6n46	22n12	22n12	24s18	12s25	0n 2			
M 2	21 50	12 37	5 18	15 33	2 37	16 59	0n13	23 35	0 39	15 16	0 58	18 32	0 28	23 10	0 5	2 44	1 28	23 18	6 46	22 12	22 12	24 19	12 27	0 2			
T 3	21 59	7 26	5 12	15 35	2 38	16 41	0 27	23 40	0 39	15 20	0 58	18 32	0 28	23 10	0 5	2 45	1 28	23 19	6 46	22 12	22 12	24 20	12 29	0 2			
W 4	22 8	1 45	4 49	15 41	2 38	16 25	0 40	23 44	0 40	15 23	0 58	18 33	0 28	23 10	0 5	2 45	1 28	23 19	6 46	22 12	22 11	24 21	12 31	0 3			
T 5	22 16	4n13	4 8	15 51	2 36	16 10	0 53	23 47	0 40	15 27	0 58	18 33	0 29	23 10	0 5	2 45	1 29	23 19	6 47	22 12	22 11	24 23	12 34	0 3			
F 6	22 24	10 10	3 11	16 3	2 34	15 56	1 6	23 51	0 41	15 31	0 58	18 34	0 29	23 9	0 5	2 46	1 29	23 20	6 47	22 12	22 10	24 24	12 36	0 3			
S 7	22 31	15 44	2 0	16 18	2 30	15 43	1 18	23 54	0 41	15 34	0 58	18 34	0 29	23 9	0 5	2 46	1 29	23 20	6 47	22 12	22 10	24 25	12 38	0 4			
S 8	22 38	20 27	0 39	16 35	2 26	15 31	1 29	23 57	0 42	15 38	0 58	18 35	0 29	23 9	0 5	2 47	1 29	23 21	6 47	22 12	22 9	24 26	12 40	0 4			
M 9	22 45	23 49	0n45	16 53	2 21	15 21	1 40	24 0	0 42	15 41	0 58	18 36	0 29	23 9	0 5	2 47	1 29	23 21	6 47	22 12	22 9	24 27	12 42	0 4			
T 10	22 51	25 27	2 7	17 12	2 15	15 11	1 51	24 2	0 43	15 45	0 59	18 36	0 29	23 9	0 5	2 48	1 29	23 21	6 48	22 12	22 9	24 28	12 45	0 5			
W 11	22 56	25 11	3 18	17 33	2 9	15 3	2 1	24 5	0 43	15 48	0 59	18 37	0 29	23 8	0 5	2 48	1 29	23 22	6 48	22 12	22 8	24 30	12 47	0 5			
T 12	23 1	23 8	4 15	17 54	2 3	14 56	2 11	24 7	0 44	15 51	0 59	18 38	0 30	23 8	0 5	2 48	1 29	23 22	6 48	22 12	22 8	24 31	12 49	0 5			
F 13	23 6	19 39	4 54	18 16	1 56	14 50	2 20	24 8	0 44	15 55	0 59	18 38	0 30	23 8	0 5	2 49	1 29	23 23	6 48	22 12	22 7	24 32	12 51	0 6			
S 14	23 10	15 9	5 14	18 38	1 49	14 44	2 29	24 10	0 45	15 58	0 59	18 39	0 30	23 8	0 5	2 49	1 29	23 23	6 49	22 12	22 7	24 33	12 53	0 6			
S 15	23 14	10 3	5 16	19 0	1 41	14 40	2 37	24 11	0 45	16 1	0 59	18 40	0 30	23 8	0 5	2 49	1 29	23 24	6 49	22 12	22 6	24 34	12 55	0 6			
M 16	23 17	4 38	5 2	19 23	1 34	14 37	2 45	24 12	0 46	16 5	0 59	18 41	0 30	23 8	0 5	2 50	1 29	23 24	6 49	22 12	22 6	24 35	12 57	0 7			
T 17	23 20	0s49	4 33	19 45	1 26	14 35	2 53	24 13	0 46	16 8	0 59	18 42	0 30	23 7	0 5	2 50	1 29	23 24	6 49	22 12	22 5	24 36	12 59	0 7			
W 18	23 22	6 7	3 51	20 6	1 19	14 34	3 0	24 13	0 47	16 11	0 59	18 43	0 30	23 7	0 5	2 50	1 29	23 25	6 49	22 12	22 5	24 37	13 1	0 7			
T 19	23 24	11 5	3 0	20 28	1 11	14 33	3 6	24 13	0 47	16 14	0 59	18 44	0 31	23 7	0 5	2 51	1 29	23 25	6 50	22 12	22 5	24 39	13 3	0 7			
F 20	23 25	15 35	2 2	20 48	1 3	14 34	3 13	24 13	0 47	16 18	0 59	18 44	0 31	23 7	0 5	2 51	1 29	23 26	6 50	22 12	22 4	24 40	13 5	0 8			
S 21	23 26	19 25	0 59	21 8	0 55	14 35	3 18	24 13	0 48	16 21	0 59	18 45	0 31	23 7	0 5	2 51	1 29	23 26	6 50	22 12	22 4	24 41	13 6	0 8			
S 22	23 27	22 27	0s 6	21 28	0 47	14 37	3 24	24 12	0 48	16 24	0 59	18 46	0 31	23 6	0 5	2 51	1 29	23 27	6 50	22 12	22 3	24 42	13 8	0 8			
M 23	23 27	24 31	1 11	21 46	0 40	14 40	3 29	24 12	0 49	16 27	0 59	18 47	0 31	23 6	0 5	2 52	1 30	23 27	6 51	22 12	22 3	24 43	13 10	0 9			
T 24	23 26	25 29	2 12	22 4	0 32	14 43	3 34	24 10	0 49	16 30	0 59	18 48	0 31	23 6	0 5	2 52	1 30	23 28	6 51	22 12	22 2	24 44	13 12	0 9			
W 25	23 25	25 18	3 8	22 21	0 24	14 47	3 38	24 9	0 50	16 33	0 59	18 49	0 31	23 6	0 5	2 52	1 30	23 28	6 51	22 12	22 2	24 45	13 14	0 9			
T 26	23 24	23 57	3 56	22 37	0 17	14 52	3 42	24 7	0 50	16 36	0 59	18 51	0 32	23 6	0 5	2 52	1 30	23 29	6 51	22 11	22 1	24 46	13 15	0 10			
F 27	23 22	21 30	4 34	22 52	0 9	14 57	3 46	24 5	0 50	16 39	0 59	18 52	0 32	23 5	0 5	2 52	1 30	23 29	6 51	22 11	22 1	24 47	13 17	0 10			
S 28	23 20	18 5	5 1	23 6	0 2	15 3	3 49	24 3	0 51	16 42	0 59	18 53	0 32	23 5	0 5	2 52	1 30	23 30	6 52	22 10	22 1	24 48	13 19	0 10			
S 29	23 17	13 50	5 13	23 19	0s 5	15 9	3 52	24 1	0 51	16 45	0 59	18 54	0 32	23 5	0 5	2 53	1 30	23 30	6 52	22 10	22 0	24 49	13 20	0 11			
M 30	23 13	8 55	5 11	23 31	0 13	15 15	3 55	23 58	0 52	16 48	1 0	18 55	0 32	23 5	0 5	2 53	1 30	23 31	6 52	22 9	22 0	24 50	13 22	0 11			
T 31	23s10	3s31	4s53	23s42	0s20	15s23	3n57	23s55	0s52	16s50	1n 0	18n56	0n32	23n 5	0n 5	2s53	1n30	23n31	6n52	22n 9	21n59	24s51	13s23	0n11			