



Astrodienst Ephemeris Tables for the year 2245

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 2245

geocentric

JANUARY 2245

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	6 42 29	10 ³ 24'09	29 ³ 53	20 ³ 42	6 ³ 43	12°R33	29 ² 28	0 ² 36	21 ³ 2	5°R15	7 ² 47	8°R 1	6 ² 31	2 ² 9	13 ² 29	W 1
T 2	6 46 26	11°25'19	14 ² 33	22°18	7°59	12 ² 9	29°42	0°37	21° 6	5 ² 14	7°50	7 ² 56	6°28	2°16	13°33	T 2
F 3	6 50 22	12°26'28	29°30	23°55	9°14	11°45	29°55	0°38	21° 9	5°12	7°52	7°51	6°24	2°23	13°36	F 3
S 4	6 54 19	13°27'37	14 ² 8	25°31	10°30	11°21	0 ² 9	0°38	21°13	5°11	7°54	7°46	6°21	2°30	13°39	S 4
S 5	6 58 15	14°28'46	28°31	27° 7	11°45	10°58	0°22	0°39	21°16	5° 9	7°56	7°44	6°18	2°36	13°41	S 5
M 6	7 2 12	15°29'55	12 ² 35	28°43	13° 1	10°34	0°36	0°40	21°20	5° 8	7°58	7°D42	6°15	2°43	13°44	M 6
T 7	7 6 8	16°31'04	26°22	0 ² 19	14°16	10°11	0°49	0°40	21°24	5° 6	8° 0	7°43	6°12	2°50	13°47	T 7
W 8	7 10 5	17°32'12	9 ² 49	1°54	15°32	9°49	1° 3	0°40	21°27	5° 4	8° 2	7°44	6° 8	2°57	13°49	W 8
T 9	7 14 1	18°33'20	23° 1	3°28	16°47	9°26	1°16	0°40	21°31	5° 3	8° 3	7°46	6° 5	3° 3	13°51	T 9
F 10	7 17 58	19°34'28	5 ² 58	5° 2	18° 3	9° 4	1°29	0°R40	21°34	5° 1	8° 5	7°R46	6° 2	3°10	13°54	F 10
S 11	7 21 55	20°35'35	18°42	6°34	19°18	8°43	1°43	0°40	21°38	5° 0	8° 7	7°46	5°59	3°17	13°56	S 11
S 12	7 25 51	21°36'43	1 ² 15	8° 5	20°34	8°22	1°56	0°40	21°41	4°58	8° 9	7°43	5°56	3°23	13°58	S 12
M13	7 29 48	22°37'50	13°39	9°35	21°49	8° 1	2° 9	0°40	21°45	4°56	8°11	7°38	5°53	3°30	14° 0	M13
T 14	7 33 44	23°38'56	25°54	11° 2	23° 5	7°41	2°22	0°39	21°49	4°55	8°13	7°31	5°49	3°37	14° 1	T 14
W15	7 37 41	24°40'03	8 ² 1	12°27	24°20	7°22	2°36	0°39	21°52	4°53	8°15	7°22	5°46	3°44	14° 3	W15
T 16	7 41 37	25°41'09	20° 1	13°49	25°36	7° 3	2°49	0°38	21°56	4°51	8°16	7°12	5°43	3°50	14° 4	T 16
F 17	7 45 34	26°42'15	1 ² 56	15° 7	26°51	6°45	3° 2	0°38	21°59	4°50	8°18	7° 3	5°40	3°57	14° 6	F 17
S 18	7 49 30	27°43'21	13°48	16°22	28° 7	6°27	3°15	0°37	22° 3	4°48	8°20	6°54	5°37	4° 4	14° 7	S 18
S 19	7 53 27	28°44'26	25°40	17°31	29°22	6°10	3°28	0°36	22° 6	4°46	8°22	6°46	5°34	4°11	14° 8	S 19
M20	7 57 24	29°45'32	7 ² 34	18°35	0 ² 37	5°54	3°41	0°35	22°10	4°45	8°23	6°41	5°30	4°17	14° 9	M20
T 21	8 1 20	0 ² 46'37	19°35	19°33	1°53	5°39	3°54	0°34	22°13	4°43	8°25	6°38	5°27	4°24	14°10	T 21
W22	8 5 17	1°47'42	1 ² 48	20°24	3° 8	5°24	4° 7	0°32	22°17	4°41	8°27	6°D38	5°24	4°31	14°11	W22
T 23	8 9 13	2°48'46	14°18	21° 6	4°24	5°10	4°20	0°31	22°21	4°40	8°28	6°38	5°21	4°37	14°12	T 23
F 24	8 13 10	3°49'51	27°10	21°40	5°39	4°57	4°32	0°29	22°24	4°38	8°30	6°39	5°18	4°44	14°12	F 24
S 25	8 17 6	4°50'55	10 ² 28	22° 4	6°55	4°44	4°45	0°28	22°28	4°36	8°31	6°R39	5°14	4°51	14°13	S 25
S 26	8 21 3	5°51'59	24°14	22°17	8°10	4°33	4°58	0°26	22°31	4°35	8°33	6°38	5°11	4°58	14°13	S 26
M27	8 24 59	6°53'02	8 ² 29	22°R19	9°25	4°22	5°11	0°24	22°35	4°33	8°34	6°34	5° 8	5° 4	14°13	M27
T 28	8 28 56	7°54'05	23°11	22°10	10°41	4°12	5°23	0°22	22°38	4°31	8°36	6°28	5° 5	5°11	14°R13	T 28
W29	8 32 53	8°55'07	8 ² 13	21°49	11°56	4° 3	5°36	0°20	22°42	4°29	8°37	6°19	5° 2	5°18	14°13	W29
T 30	8 36 49	9°56'08	23°25	21°17	13°12	3°54	5°48	0°18	22°45	4°28	8°39	6° 9	4°59	5°24	14°13	T 30
F 31	8 40 46	10 ² 57'08	8 ² 37	20 ² 35	14 ² 27	3 ² 47	6 ² 1	0 ² 16	22 ² 48	4 ² 26	8 ² 40	5 ² 59	4 ² 55	5 ² 31	14 ² 13	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	decl lat	decl lat	decl lat
W 1	23s 0	24s 8	4s 5	23s58	2s10	23s34	0s19	26n31	3n43	23s 7	0n18	1n45	2n11	22s12	0s26	18n38
T 2	22 55	20 57	4 46	23 43	2 11	23 32	0 22	26 34	3 44	23 7	0 17	1 45	2 11	22 11	0 26	18 38
F 3	22 50	16 26	5 8	23 26	2 10	23 29	0 24	26 38	3 45	23 7	0 17	1 45	2 11	22 11	0 26	18 38
S 4	22 44	10 59	5 9	23 8	2 10	23 26	0 26	26 41	3 47	23 7	0 17	1 45	2 11	22 10	0 26	18 39
S 5	22 37	5 3	4 51	22 48	2 8	23 22	0 29	26 44	3 48	23 7	0 17	1 45	2 12	22 10	0 26	18 39
M 6	22 31	1n 3	4 16	22 27	2 7	23 17	0 31	26 47	3 49	23 7	0 17	1 45	2 12	22 9	0 26	18 39
T 7	22 23	6 57	3 26	22 5	2 4	23 12	0 33	26 50	3 49	23 7	0 17	1 45	2 12	22 9	0 26	18 40
W 8	22 16	12 26	2 26	21 41	2 1	23 5	0 35	26 52	3 50	23 7	0 17	1 46	2 12	22 8	0 26	18 40
T 9	22 8	17 13	1 19	21 16	1 58	22 58	0 37	26 55	3 51	23 7	0 17	1 46	2 13	22 7	0 26	18 41
F 10	21 59	21 7	0 10	20 49	1 53	22 51	0 40	26 57	3 51	23 7	0 17	1 46	2 13	22 7	0 26	18 41
S 11	21 50	23 54	0n59	20 21	1 48	22 42	0 42	26 59	3 52	23 7	0 17	1 46	2 13	22 6	0 26	18 41
S 12	21 41	25 28	2 4	19 52	1 43	22 33	0 44	27 1	3 52	23 7	0 17	1 47	2 14	22 6	0 26	18 42
M13	21 31	25 43	3 1	19 22	1 36	22 24	0 46	27 2	3 53	23 7	0 17	1 47	2 14	22 5	0 26	18 42
T 14	21 20	24 42	3 50	18 52	1 29	22 13	0 48	27 3	3 53	23 7	0 17	1 48	2 14	22 5	0 26	18 43
W15	21 10	22 33	4 27	18 20	1 20	22 2	0 50	27 5	3 53	23 7	0 16	1 48	2 14	22 4	0 26	18 43
T 16	20 59	19 25	4 53	17 48	1 11	21 51	0 52	27 6	3 53	23 6	0 16	1 48	2 15	22 4	0 26	18 43
F 17	20 47	15 31	5 5	17 15	1 1	21 38	0 54	27 7	3 53	23 6	0 16	1 49	2 15	22 3	0 26	18 44
S 18	20 35	11 2	5 4	16 43	0 50	21 25	0 55	27 7	3 53	23 6	0 16	1 50	2 15	22 2	0 26	18 44
S 19	20 23	6 9	4 50	16 10	0 38	21 11	0 57	27 8	3 52	23 6	0 16	1 50	2 16	22 2	0 26	18 45
M20	20 10	1 2	4 23	15 38	0 25	20 57	0 59	27 8	3 52	23 5	0 16	1 51	2 16	22 1	0 26	18 45
T 21	19 57	4s11	3 45	15 7	0 12	20 42	1 1	27 9	3 52	23 5	0 16	1 52	2 16	22 1	0 26	18 45
W22	19 44	9 20	2 55	14 37	0n 3	20 27	1 2	27 9	3 51	23 5	0 16	1 52	2 16	22 0	0 26	18 46
T 23	19 30	14 15	1 57	14 9	0 19	20 10	1 4	27 9	3 51	23 4	0 16	1 53	2 17	22 0	0 26	18 46
F 24	19 16	18 41	0 51	13 42	0 35	19 54	1 6	27 9	3 50	23 4	0 16	1 54	2 17	21 59	0 26	18 47
S 25	19 2	22 19	0s20	13 18	0 53	19 36	1 7	27 8	3 49	23 4	0 16	1 55	2 17	21 59	0 26	18 47
S 26	18 47	24 49	1 33	12 57	1 10	19 18	1 9	27 8	3 48	23 3	0 16	1 56	2 17	21 58	0 26	18 48
M27	18 32	25 49	2 41	12 40	1 28	19 0	1 10	27 8	3 48	23 3	0 16	1 57	2 18	21 57	0 27	18 48
T 28	18 16	25 3	3 41	12 26	1 46	18 41	1 12	27 7	3 47	23 2	0 16	1 58	2 18	21 57	0 27	18 48
W29	18 0	22 30	4 28	12 16	2 4	18 21	1 13	27 7	3 46	23 2	0 15	1 59	2 18	21 56	0 27	18 49
T 30	17 44	18 20	4 55	12 9	2 21	18 1	1 14	27 6	3 45	23 2	0 15	2 0	2 18	21 56	0 27	18 49
F 31	17s28	13s 0	5s 2	12s 7	2n37	17s41	1s15	27n 5	3n44	23s 1	0n15	2n 1	2n19	21s55	0s27	18n50

Julian Day Number = 2541029.5, Delta T = 213.88 sec

Ecliptic obliquity = 23°24'30, Nutation = - 0°00'15, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 28°09'52, Lahiri = 27°16'52

ASTRODIENST EPHEMERIS for the year 2245

geocentric

FEBRUARY 2245

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	8 44 42	11°58'07	23°39	19°R42	15°42	3°R40	6°13	0°R14	22°52	4°R24	8°41	5°R50	4°52	5°38	14°R12	S 1
S 2	8 48 39	12°59'05	8°21	18°42	16°58	3°34	6°25	0°12	22°55	4°23	8°43	5°43	4°49	5°45	14°12	S 2
M 3	8 52 35	14° 0'02	22°39	17°35	18°13	3°29	6°38	0° 9	22°59	4°21	8°44	5°39	4°46	5°51	14°11	M 3
T 4	8 56 32	15° 0'58	6°31	16°23	19°28	3°25	6°50	0° 6	23° 2	4°19	8°45	5°37	4°43	5°58	14°10	T 4
W 5	9 0 28	16° 1'52	19°57	15° 9	20°44	3°21	7° 2	0° 4	23° 5	4°18	8°46	5°D37	4°39	6° 5	14° 9	W 5
T 6	9 4 25	17° 2'45	3°11	13°55	21°59	3°19	7°14	0° 1	23° 9	4°16	8°48	5°R37	4°36	6°12	14° 8	T 6
F 7	9 8 22	18° 3'37	15°47	12°43	23°14	3°17	7°26	29°58	23°12	4°14	8°49	5°37	4°33	6°18	14° 7	F 7
S 8	9 12 18	19° 4'27	28°17	11°34	24°30	3°16	7°38	29°55	23°15	4°13	8°50	5°34	4°30	6°25	14° 6	S 8
S 9	9 16 15	20° 5'16	10°35	10°31	25°45	3°D15	7°50	29°52	23°19	4°11	8°51	5°29	4°27	6°32	14° 4	S 9
M10	9 20 11	21° 6'04	22°45	9°34	27° 0	3°16	8° 1	29°49	23°22	4°10	8°52	5°22	4°24	6°38	14° 3	M10
T 11	9 24 8	22° 6'50	4°48	8°44	28°15	3°17	8°13	29°46	23°25	4° 8	8°53	5°11	4°20	6°45	14° 1	T 11
W12	9 28 4	23° 7'35	16°47	8° 2	29°31	3°19	8°25	29°43	23°28	4° 6	8°54	4°58	4°17	6°52	14° 0	W12
T 13	9 32 1	24° 8'19	28°43	7°29	0°46	3°21	8°36	29°39	23°32	4° 5	8°55	4°43	4°14	6°59	13°58	T 13
F 14	9 35 57	25° 9'02	10°36	7° 4	2° 1	3°24	8°48	29°36	23°35	4° 3	8°56	4°28	4°11	7° 5	13°56	F 14
S 15	9 39 54	26° 9'43	22°28	6°47	3°16	3°28	8°59	29°32	23°38	4° 2	8°57	4°15	4° 8	7°12	13°54	S 15
S 16	9 43 51	27°10'23	4°21	6°37	4°31	3°33	9°10	29°29	23°41	4° 0	8°58	4° 3	4° 5	7°19	13°52	S 16
M17	9 47 47	28°11'02	16°17	6°D36	5°47	3°39	9°22	29°25	23°44	3°59	8°58	3°54	4° 1	7°26	13°49	M17
T 18	9 51 44	29°11'39	28°19	6°41	7° 2	3°45	9°33	29°21	23°47	3°57	8°59	3°48	3°58	7°32	13°47	T 18
W19	9 55 40	0°12'16	10°31	6°53	8°17	3°51	9°44	29°18	23°50	3°56	9° 0	3°45	3°55	7°39	13°45	W19
T 20	9 59 37	1°12'51	22°58	7°11	9°32	3°59	9°55	29°14	23°53	3°54	9° 1	3°44	3°52	7°46	13°42	T 20
F 21	10 3 33	2°13'25	5°43	7°35	10°47	4° 7	10° 6	29°10	23°56	3°53	9° 1	3°44	3°49	7°52	13°39	F 21
S 22	10 7 30	3°13'58	18°53	8° 4	12° 2	4°15	10°16	29° 6	23°59	3°51	9° 2	3°43	3°45	7°59	13°37	S 22
S 23	10 11 26	4°14'30	2°30	8°39	13°17	4°24	10°27	29° 2	24° 2	3°50	9° 3	3°41	3°42	8° 6	13°34	S 23
M24	10 15 23	5°15'01	16°37	9°17	14°32	4°34	10°38	28°58	24° 5	3°48	9° 3	3°37	3°39	8°13	13°31	M24
T 25	10 19 20	6°15'30	1°12	10° 0	15°47	4°44	10°48	28°54	24° 8	3°47	9° 4	3°30	3°36	8°19	13°28	T 25
W26	10 23 16	7°15'58	16°12	10°47	17° 2	4°55	10°58	28°49	24°11	3°46	9° 4	3°20	3°33	8°26	13°25	W26
T 27	10 27 13	8°16'24	1°29	11°37	18°17	5° 7	11° 9	28°45	24°14	3°44	9° 5	3° 9	3°30	8°33	13°21	T 27
F 28	10 31 9	9°16'49	16°51	12°31	19°32	5°19	11°19	28°41	24°17	3°43	9° 5	2°58	3°26	8°39	13°18	F 28

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	17s11	6s56	4s48	12s10	2n52	17s20	1s17	27n 4	3n43	23s 1	0n15	2n 2	2n19	21s55	0s27	18n50	0s19	9s25	12n27	21n15	21n 5	14n13	8s 4	2s41	
S 2	16 54	0 37	4 16	12 16	3 6	16 58	1 18	27 3	3 42	23 0	0 15	2 3	2 19	21 54	0 27	18 50	0 19	9 25	12 27	21 14	21 4	14 10	8 4	2 41	
M 3	16 36	5n35	3 27	12 25	3 17	16 36	1 19	27 2	3 41	22 59	0 15	2 4	2 19	21 53	0 27	18 51	0 19	9 25	12 27	21 13	21 4	14 8	8 3	2 41	
T 4	16 19	11 20	2 28	12 38	3 26	16 13	1 20	27 1	3 40	22 59	0 15	2 6	2 20	21 53	0 27	18 51	0 18	9 25	12 28	21 13	21 3	14 5	8 3	2 41	
W 5	16 1	16 23	1 22	12 53	3 33	15 50	1 21	27 0	3 38	22 58	0 15	2 7	2 20	21 52	0 27	18 52	0 18	9 25	12 28	21 13	21 3	14 3	8 2	2 41	
T 6	15 42	20 31	0 14	13 10	3 37	15 27	1 22	26 59	3 37	22 58	0 15	2 8	2 20	21 52	0 27	18 52	0 18	9 24	12 28	21 13	21 2	14 0	8 2	2 41	
F 7	15 24	23 32	0n54	13 29	3 38	15 3	1 23	26 58	3 36	22 57	0 15	2 10	2 20	21 51	0 27	18 52	0 18	9 24	12 29	21 13	21 1	13 58	8 2	2 40	
S 8	15 5	25 21	1 57	13 48	3 38	14 39	1 23	26 57	3 35	22 57	0 15	2 11	2 21	21 51	0 27	18 53	0 18	9 24	12 29	21 12	21 1	13 55	8 1	2 40	
S 9	14 46	25 52	2 54	14 8	3 35	14 14	1 24	26 56	3 34	22 56	0 15	2 12	2 21	21 50	0 27	18 53	0 18	9 24	12 29	21 11	21 0	13 53	8 0	2 40	
M10	14 27	25 8	3 42	14 28	3 30	13 49	1 25	26 54	3 32	22 55	0 15	2 14	2 21	21 50	0 27	18 54	0 18	9 24	12 30	21 10	21 0	13 50	8 0	2 40	
T 11	14 7	23 14	4 19	14 47	3 23	13 24	1 25	26 53	3 31	22 55	0 15	2 15	2 21	21 49	0 27	18 54	0 18	9 24	12 30	21 8	20 59	13 48	7 59	2 40	
W12	13 47	20 18	4 45	15 5	3 15	12 58	1 26	26 52	3 30	22 54	0 14	2 17	2 22	21 49	0 27	18 54	0 18	9 23	12 30	21 6	20 58	13 45	7 58	2 40	
T 13	13 27	16 33	4 58	15 23	3 6	12 32	1 26	26 50	3 28	22 53	0 14	2 18	2 22	21 48	0 27	18 55	0 18	9 23	12 31	21 3	20 58	13 42	7 57	2 40	
F 14	13 7	12 10	4 58	15 39	2 55	12 5	1 27	26 49	3 27	22 53	0 14	2 20	2 22	21 48	0 27	18 55	0 18	9 23	12 31	21 0	20 57	13 40	7 57	2 40	
S 15	12 47	7 21	4 45	15 54	2 44	11 39	1 27	26 47	3 26	22 52	0 14	2 21	2 22	21 47	0 27	18 56	0 18	9 23	12 31	20 58	20 57	13 37	7 56	2 40	
S 16	12 26	2 15	4 19	16 8	2 33	11 12	1 27	26 46	3 24	22 51	0 14	2 23	2 22	21 47	0 27	18 56	0 18	9 23	12 32	20 56	20 56	13 35	7 55	2 40	
M17	12 5	2s58	3 42	16 20	2 21	10 44	1 27	26 44	3 23	22 51	0 14	2 25	2 23	21 46	0 27	18 56	0 18	9 22	12 32	20 54	20 56	13 32	7 54	2 40	
T 18	11 44	8 8	2 55	16 30	2 8	10 16	1 28	26 43	3 21	22 50	0 14	2 26	2 23	21 46	0 27	18 57	0 18	9 22	12 32	20 53	20 55	13 30	7 53	2 39	
W19	11 23	13 4	1 59	16 40	1 56	9 49	1 28	26 41	3 20	22 49	0 14	2 28	2 23	21 45	0 27	18 57	0 18	9 22	12 33	20 52	20 54	13 27	7 52	2 39	
T 20	11 2	17 35	0 57	16 47	1 43	9 20	1 28	26 40	3 19	22 48	0 14	2 30	2 23	21 44	0 27	18 57	0 18	9 22	12 33	20 52	20 54	13 24	7 51	2 39	
F 21	10 40	21 24	0s11	16 53	1 31	8 52	1 28	26 38	3 17	22 48	0 14	2 31	2 23	21 44	0 27	18 58	0 18	9 21	12 33	20 52	20 53	13 22	7 49	2 39	
S 22	10 18	24 15	1 19	16 58	1 19	8 23	1 27	26 36	3 16	22 47	0 14	2 33	2 24	21 43	0 27	18 58	0 18	9 21	12 34	20 52	20 53	13 19	7 48	2 39	
S 23	9 57	25 49	2 26	17 0	1 6	7 54	1 27	26 35	3 15	22 46	0 14	2 35	2 24	21 43	0 27	18 58	0 18	9 21	12 34	20 52	20 52	13 17	7 47	2 39	
M24	9 34	25 47	3 26	17 2	0 55	7 25	1 27	26 33	3 13	22 45	0 14	2 37	2 24	21 43	0 27	18 59	0 18	9 21	12 34	20 51	20 51	13 14	7 46	2 39	
T 25	9 12	24 0	4 14	17 2	0 43	6 56	1 27	26 31	3 12	22 45	0 14	2 39	2 24	21 42	0 27	18 59	0 18	9 20	12 35	20 50	20 51	13 11	7 44	2 38	
W26	8 50	20 31	4 47	17 0	0 31	6 26	1 26	26 29	3 10	22 44	0 14	2 40	2 24	21 42	0 27	19 0	0 18	9 20	12 35	20 48	20 50	13 9	7 43	2 38	
T 27	8 27	15 36	5 0	16 57	0 20	5 57	1 26	26 27	3 9	22 43	0 13	2 42	2 24	21 41	0 27	19 0	0 18	9 20	12 35	20 46	20 50	13 6	7 42	2 38	
F 28	8s 5	9s39	4s51	16s53	0n10	5s27	1s25	26n26	3n 8	22s42	0n13	2n44	2n24	21s41	0s27	19n 0	0s18	9s20	12n36	20n43	20n49	13n 4	7s40	2s38	

Julian Day Number = 2541060.5, Delta T = 213.99 sec
 Ecliptic obliquity = 23°24'31, Nutation = - 0°00'14, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 28°09'56, Lahiri = 27°16'57

ASTRODIENST EPHEMERIS for the year 2245

geocentric

MARCH 2245

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	10 35 6	10 ¹¹ 1711	2 ¹⁷ 6	13 ²² 27	20 ¹¹ 47	5 ²³ 31	11 ²³ 29	28°R36	24 ²³ 19	3°R42	9 ²⁷ 6	2°R47	3 ¹¹ 23	8 ¹¹ 46	13°R15	S 1
S 2	10 39 2	11°17'33	17° 4	14°27	22° 2	5°45	11°39	28 ¹¹ 32	24°22	3 ¹¹ 40	9° 6	2 ¹¹ 39	3°20	8°53	13 ¹¹ 11	S 2
M 3	10 42 59	12°17'52	1 ¹⁸ 38	15°29	23°17	5°58	11°49	28°28	24°25	3°39	9° 6	2°33	3°17	9° 0	13° 8	M 3
T 4	10 46 55	13°18'09	15°42	16°33	24°32	6°12	11°59	28°23	24°27	3°38	9° 7	2°30	3°14	9° 6	13° 4	T 4
W 5	10 50 52	14°18'24	29°17	17°40	25°47	6°27	12° 8	28°19	24°30	3°37	9° 7	2°D29	3°11	9°13	13° 0	W 5
T 6	10 54 49	15°18'38	12 ¹¹ 25	18°49	27° 2	6°42	12°18	28°14	24°33	3°36	9° 7	2°R29	3° 7	9°20	12°56	T 6
F 7	10 58 45	16°18'49	25°10	20° 0	28°17	6°58	12°27	28° 9	24°35	3°34	9° 7	2°29	3° 4	9°27	12°53	F 7
S 8	11 2 42	17°18'58	7 ²³ 37	21°12	29°31	7°14	12°36	28° 5	24°38	3°33	9° 8	2°27	3° 1	9°33	12°49	S 8
S 9	11 6 38	18°19'05	19°49	22°27	0 ¹⁷ 46	7°30	12°46	28° 0	24°40	3°32	9° 8	2°23	2°58	9°40	12°45	S 9
M10	11 10 35	19°19'10	1 ¹⁸ 52	23°43	2° 1	7°47	12°55	27°56	24°43	3°31	9° 8	2°16	2°55	9°47	12°41	M10
T 11	11 14 31	20°19'13	13°49	25° 1	3°16	8° 4	13° 3	27°51	24°45	3°30	9° 8	2° 7	2°51	9°53	12°36	T 11
W12	11 18 28	21°19'14	25°42	26°21	4°30	8°22	13°12	27°46	24°47	3°29	9°R 8	1°55	2°48	10° 0	12°32	W12
T 13	11 22 24	22°19'13	7 ¹¹ 34	27°42	5°45	8°40	13°21	27°41	24°50	3°28	9° 8	1°42	2°45	10° 7	12°28	T 13
F 14	11 26 21	23°19'10	19°27	29° 5	7° 0	8°59	13°30	27°37	24°52	3°27	9° 8	1°28	2°42	10°14	12°24	F 14
S 15	11 30 18	24°19'05	1 ¹⁸ 22	0 ¹⁸ 29	8°14	9°18	13°38	27°32	24°54	3°26	9° 8	1°16	2°39	10°20	12°19	S 15
S 16	11 34 14	25°18'59	13°20	1°54	9°29	9°37	13°46	27°27	24°56	3°25	9° 8	1° 5	2°36	10°27	12°15	S 16
M17	11 38 11	26°18'50	25°22	3°21	10°43	9°57	13°54	27°23	24°58	3°24	9° 8	0°57	2°32	10°34	12°10	M17
T 18	11 42 7	27°18'39	7 ¹¹ 32	4°49	11°58	10°17	14° 2	27°18	25° 0	3°23	9° 7	0°52	2°29	10°40	12° 6	T 18
W19	11 46 4	28°18'27	19°50	6°19	13°12	10°37	14°10	27°13	25° 3	3°22	9° 7	0°49	2°26	10°47	12° 1	W19
T 20	11 50 0	29°18'13	2 ¹⁸ 21	7°50	14°27	10°58	14°18	27° 8	25° 5	3°22	9° 7	0°D48	2°23	10°54	11°57	T 20
F 21	11 53 57	0 ¹⁷ 17'58	15° 8	9°22	15°41	11°19	14°26	27° 3	25° 7	3°21	9° 7	0°49	2°20	11° 1	11°52	F 21
S 22	11 57 53	1°17'41	28°15	10°55	16°56	11°40	14°33	26°59	25° 9	3°20	9° 6	0°R50	2°17	11° 7	11°48	S 22
S 23	12 1 50	2°17'22	11 ²³ 45	12°30	18°10	12° 2	14°41	26°54	25°10	3°19	9° 6	0°49	2°13	11°14	11°43	S 23
M24	12 5 47	3°17'01	25°40	14° 6	19°24	12°24	14°48	26°49	25°12	3°19	9° 6	0°47	2°10	11°21	11°38	M24
T 25	12 9 43	4°16'39	10 ¹⁸ 2	15°43	20°39	12°46	14°55	26°45	25°14	3°18	9° 5	0°43	2° 7	11°28	11°33	T 25
W26	12 13 40	5°16'15	24°46	17°21	21°53	13° 9	15° 2	26°40	25°16	3°17	9° 5	0°36	2° 4	11°34	11°29	W26
T 27	12 17 36	6°15'49	9 ¹⁸ 49	19° 1	23° 7	13°32	15° 9	26°35	25°18	3°17	9° 4	0°28	2° 1	11°41	11°24	T 27
F 28	12 21 33	7°15'21	25° 0	20°42	24°22	13°55	15°15	26°31	25°19	3°16	9° 4	0°20	1°57	11°48	11°19	F 28
S 29	12 25 29	8°14'52	10 ¹⁷ 11	22°24	25°36	14°18	15°22	26°26	25°21	3°16	9° 3	0°12	1°54	11°54	11°14	S 29
S 30	12 29 26	9°14'20	25° 9	24° 8	26°50	14°42	15°28	26°21	25°22	3°15	9° 3	0° 6	1°51	12° 1	11°10	S 30
M31	12 33 22	10 ¹⁷ 13'46	9 ¹⁸ 47	25 ¹⁸ 53	28°17 4	15°26 6	15°34	26 ¹¹ 17	25°24	3 ¹¹ 15	9 ²⁷ 2	0°11 2	1°11 48	12°11 8	11°11 5	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	decl	lat
S 1	7s42	3s10	4s22	16s47	0s 1	4s57	1s25	26n24	3n 6	22s41	0n13	2n46	2n25	21s40	0s27	19n 0	0s18	9s19	12n36	20n41	20n48	13n 1	7s39	2s38			
S 2	7 19	3n23	3 35	16 39	0 11	4 27	1 24	26 22	3 5	22 41	0 13	2 48	2 25	21 40	0 27	19 1	0 18	9 19	12 36	20 40	20 48	12 58	7 37	2 38			
M 3	6 56	9 36	2 35	16 30	0 21	3 56	1 23	26 20	3 3	22 40	0 13	2 50	2 25	21 39	0 27	19 1	0 18	9 19	12 37	20 39	20 47	12 56	7 36	2 37			
T 4	6 33	15 7	1 28	16 20	0 30	3 26	1 23	26 18	3 2	22 39	0 13	2 52	2 25	21 39	0 27	19 1	0 18	9 18	12 37	20 38	20 47	12 53	7 34	2 37			
W 5	6 10	19 42	0 17	16 8	0 39	2 56	1 22	26 16	3 1	22 38	0 13	2 53	2 25	21 38	0 27	19 2	0 18	9 18	12 38	20 38	20 46	12 50	7 32	2 37			
T 6	5 47	23 7	0n52	15 55	0 48	2 25	1 21	26 13	2 59	22 38	0 13	2 55	2 25	21 38	0 27	19 2	0 18	9 18	12 38	20 38	20 45	12 48	7 31	2 37			
F 7	5 24	25 16	1 57	15 41	0 56	1 54	1 20	26 11	2 58	22 37	0 13	2 57	2 25	21 38	0 27	19 2	0 18	9 17	12 38	20 38	20 45	12 45	7 29	2 37			
S 8	5 0	26 6	2 54	15 25	1 4	1 24	1 19	26 9	2 57	22 36	0 13	2 59	2 25	21 37	0 27	19 3	0 18	9 17	12 39	20 38	20 44	12 43	7 27	2 36			
S 9	4 37	25 37	3 43	15 8	1 12	0 53	1 18	26 7	2 55	22 35	0 13	3 1	2 26	21 37	0 27	19 3	0 18	9 17	12 39	20 37	20 43	12 40	7 25	2 36			
M10	4 13	23 57	4 20	14 50	1 19	0 22	1 17	26 5	2 54	22 34	0 13	3 3	2 26	21 36	0 27	19 3	0 18	9 16	12 39	20 35	20 43	12 37	7 24	2 36			
T 11	3 50	21 13	4 46	14 30	1 26	0n 8	1 15	26 2	2 53	22 34	0 13	3 5	2 26	21 36	0 27	19 3	0 18	9 16	12 40	20 33	20 42	12 35	7 22	2 36			
W12	3 26	17 38	4 59	14 9	1 32	0 39	1 14	26 0	2 51	22 33	0 13	3 7	2 26	21 35	0 27	19 4	0 18	9 16	12 40	20 31	20 42	12 32	7 20	2 35			
T 13	3 3	13 21	4 59	13 47	1 38	1 10	1 13	25 57	2 50	22 32	0 13	3 9	2 26	21 35	0 27	19 4	0 18	9 15	12 40	20 28	20 41	12 29	7 18	2 35			
F 14	2 39	8 34	4 47	13 24	1 44	1 41	1 11	25 55	2 49	22 31	0 12	3 11	2 26	21 35	0 27	19 4	0 18	9 15	12 41	20 26	20 40	12 27	7 16	2 35			
S 15	2 15	3 27	4 21	12 59	1 49	2 11	1 10	25 52	2 48	22 30	0 12	3 13	2 26	21 34	0 27	19 4	0 18	9 15	12 41	20 23	20 40	12 24	7 14	2 35			
S 16	1 52	1s49	3 44	12 33	1 54	2 42	1 9	25 49	2 46	22 30	0 12	3 15	2 26	21 34	0 27	19 5	0 18	9 14	12 41	20 21	20 39	12 21	7 12	2 34			
M17	1 28	7 3	2 57	12 6	1 58	3 13	1 7	25 47	2 45	22 29	0 12	3 17	2 26	21 34	0 28	19 5	0 18	9 14	12 42	20 19	20 39	12 19	7 10	2 34			
T 18	1 4	12 6	2 1	11 37	2 2	3 43	1 5	25 44	2 44	22 28	0 12	3 19	2 26	21 33	0 28	19 5	0 18	9 14	12 42	20 18	20 38	12 16	7 8	2 34			
W19	0 40	16 44	0 58	11 8	2 6	4 14	1 4	25 41	2 42	22 27	0 12	3 21	2 26	21 33	0 28	19 5	0 18	9 13	12 42	20 18	20 37	12 13	7 6	2 34			
T 20	0 17	20 44	0s 8	10 37	2 9	4 44	1 2	25 38	2 41	22 27	0 12	3 23	2 26	21 33	0 28	19 5	0 18	9 13	12 43	20 18	20 37	12 10	7 4	2 33			
F 21	0n 7	23 50	1 16	10 5	2 11	5 14	1 0	25 35	2 40	22 26	0 12	3 24	2 26	21 32	0 28	19 6	0 18	9 13	12 43	20 18	20 36	12 8	7 2	2 33			
S 22	0 31	25 45	2 21	9 31	2 14	5 45	0 58	25 32	2 39	22 25	0 12	3 26	2 26	21 32	0 28	19 6	0 18	9 12	12 43	20 18	20 35	12 5	7 0	2 33			
S 23	0 55	26 13	3 21	8 57	2 16	6 15	0 57	25 29	2 38	22 24	0 12	3 28	2 26	21 32	0 28	19 6	0 18	9 12	12 44	20 18	20 35	12 2	6 58	2 32			
M24	1 18	25 5	4 10	8 22	2 17	6 45	0 55	25 26	2 36	22 24	0 12	3 30	2 26	21 31	0 28	19 6	0 18	9 11	12 44	20 17	20 34	12 0	6 56	2 32			
T 25	1 42	22 18	4 46	7 45	2 18	7 14	0 53	25 22	2 35	22 23	0 12	3 32	2 27	21 31	0 28	19 6	0 18	9 11	12 44	20 16	20 34	11 57	6 54	2 32			
W26	2 5	18 1	5 4	7 7	2 19	7 44	0 51	25 19	2 34	22 22	0 12	3 34	2 27	21 31	0 28	19 7	0 18	9 11	12 45	20 15	20 33	11 54	6 51	2 31			
T 27	2 29	12 32	5 1	6 28	2 19	8 13	0 49	25 15	2 33	22 22	0 12	3 36	2 27	21 30	0 28	19 7	0 18	9 10	12 45	20 13	20 32	11 52	6 49	2 31			
F 28	2 53	6 14	4 38	5 48	2 18	8 43	0 47	25 12	2 32	22 21	0 11	3 38	2 27	21 30	0 28	19 7	0 18	9 10	12 45	20 12	20 32	11 49	6 47	2 31			
S 29	3 16	0n25	3 55	5 7	2 18	9 12	0 44	25 8	2 30	22 20	0 11	3 39	2 27	21 30	0 28	19 7	0 18	9 10	12 46	20 10	20 31	11 46	6 45	2 30			
S 30	3 39	6 59	2 56	4 25	2 16	9 41	0 42	25 4	2 29	22 20	0 11	3 41	2 27	21 30	0 28	19 7	0 18	9 9	12 46	20 9	20 30	11 43	6 43	2 30			
M31	4n 3	13n 3	1s47	3s41	2s14	10n 9	0s40	25n 0	2n28	22s19	0n11	3n43	2n26	21s29	0s28	19n 7	0s18	9s 9	12n46	20n 8	20n30	11n41	6s40	2s30			

ASTRODIENST EPHEMERIS for the year 2245

geocentric

APRIL 2245

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 37 19	11°13'10"	24°0'0"	27°39'39"	29°18'18"	15°30'30"	15°30'30"	26°12'12"	25°25'25"	3°14'14"	9°18'18"	0°0'0"	1°11'11"	12°15'15"	11°18'18"	T 1
W 2	12 41 15	12°12'32"	7°11'44"	29°27'27"	0°32'32"	15°55'55"	15°46'46"	26°17'17"	25°27'27"	3°14'14"	9°18'18"	0°11'11"	1°42'42"	12°21'21"	10°55'55"	W 2
T 3	12 45 12	13°11'52"	21°0'0"	1°16'16"	1°46'46"	16°20'20"	15°52'52"	26°0'0"	25°28'28"	3°14'14"	9°0'0"	0°1'1"	1°38'38"	12°28'28"	10°50'50"	T 3
F 4	12 49 9	14°11'09"	3°51'51"	3°0'0"	3°1'1"	16°45'45"	15°57'57"	25°59'59"	25°30'30"	3°13'13"	8°59'59"	0°3'3"	1°35'35"	12°35'35"	10°46'46"	F 4
S 5	12 53 5	15°10'24"	16°21'21"	4°58'58"	4°15'15"	17°10'10"	16°0'0"	25°55'55"	25°31'31"	3°13'13"	8°58'58"	0°18'18"	1°32'32"	12°41'41"	10°41'41"	S 5
S 6	12 57 2	16°9'37"	28°35'35"	6°51'51"	5°28'28"	17°35'35"	16°0'0"	25°50'50"	25°32'32"	3°13'13"	8°58'58"	0°2'2"	1°29'29"	12°48'48"	10°36'36"	S 6
M 7	13 0 58	17°8'47"	10°37'37"	8°45'45"	6°42'42"	18°0'0"	16°13'13"	25°46'46"	25°33'33"	3°12'12"	8°57'57"	29°59'59"	1°26'26"	12°55'55"	10°31'31"	M 7
T 8	13 4 55	18°7'55"	22°32'32"	10°41'41"	7°56'56"	18°27'27"	16°18'18"	25°42'42"	25°34'34"	3°12'12"	8°56'56"	29°55'55"	1°22'22"	13°0'0"	10°26'26"	T 8
W 9	13 8 51	19°7'01"	4°17'17"	12°38'38"	9°10'10"	18°53'53"	16°22'22"	25°38'38"	25°35'35"	3°12'12"	8°55'55"	29°48'48"	1°19'19"	13°8'8"	10°22'22"	W 9
T 10	13 12 48	20°6'04"	16°16'16"	14°37'37"	10°24'24"	19°20'20"	16°27'27"	25°34'34"	25°37'37"	3°12'12"	8°54'54"	29°41'41"	1°16'16"	13°15'15"	10°17'17"	T 10
F 11	13 16 44	21°5'05"	28°10'10"	16°37'37"	11°38'38"	19°46'46"	16°31'31"	25°29'29"	25°38'38"	3°12'12"	8°53'53"	29°34'34"	1°13'13"	13°22'22"	10°12'12"	F 11
S 12	13 20 41	22°4'05"	10°10'10"	18°38'38"	12°51'51"	20°13'13"	16°36'36"	25°25'25"	25°38'38"	3°12'12"	8°52'52"	29°27'27"	1°10'10"	13°29'29"	10°0'0"	S 12
S 13	13 24 38	23°3'02"	22°16'16"	20°40'40"	14°0'0"	20°40'40"	16°40'40"	25°22'22"	25°39'39"	3°12'12"	8°51'51"	29°21'21"	1°0'0"	13°35'35"	10°0'0"	S 13
M14	13 28 34	24°1'57"	4°17'17"	22°43'43"	15°19'19"	21°0'0"	16°43'43"	25°18'18"	25°40'40"	3°12'12"	8°50'50"	29°17'17"	1°0'0"	13°42'42"	9°59'59"	M14
T 15	13 32 31	25°0'50"	16°52'52"	24°47'47"	16°32'32"	21°34'34"	16°47'47"	25°14'14"	25°41'41"	3°12'12"	8°49'49"	29°14'14"	1°0'0"	13°49'49"	9°54'54"	T 15
W16	13 36 27	25°59'42"	29°25'25"	26°52'52"	17°46'46"	22°0'0"	16°51'51"	25°10'10"	25°42'42"	3°12'12"	8°48'48"	29°14'14"	0°57'57"	13°55'55"	9°49'49"	W16
T 17	13 40 24	26°58'31"	12°17'17"	28°58'58"	19°0'0"	22°29'29"	16°54'54"	25°0'0"	25°42'42"	3°12'12"	8°47'47"	29°14'14"	0°54'54"	14°0'0"	9°45'45"	T 17
F 18	13 44 20	27°57'19"	25°0'0"	1°18'18"	4°0'0"	20°13'13"	22°57'57"	16°57'57"	25°0'0"	3°12'12"	8°46'46"	29°16'16"	0°51'51"	14°0'0"	9°41'41"	F 18
S 19	13 48 17	28°56'05"	8°32'32"	3°11'11"	21°27'27"	23°25'25"	17°0'0"	24°59'59"	25°44'44"	3°12'12"	8°45'45"	29°17'17"	0°48'48"	14°16'16"	9°36'36"	S 19
S 20	13 52 13	29°54'50"	21°56'56"	5°17'17"	22°40'40"	23°54'54"	17°0'0"	24°56'56"	25°44'44"	3°12'12"	8°44'44"	29°18'18"	0°44'44"	14°22'22"	9°32'32"	S 20
M21	13 56 10	0°53'33"	5°47'47"	7°24'24"	23°53'53"	24°22'22"	17°0'0"	24°52'52"	25°45'45"	3°13'13"	8°43'43"	29°19'19"	0°41'41"	14°29'29"	9°28'28"	M21
T 22	14 0 7	1°52'14"	19°56'56"	9°30'30"	25°0'0"	24°51'51"	17°0'0"	24°49'49"	25°45'45"	3°13'13"	8°41'41"	29°18'18"	0°38'38"	14°36'36"	9°23'23"	T 22
W23	14 4 3	2°50'53"	4°17'17"	11°35'35"	26°20'20"	25°19'19"	17°10'10"	24°46'46"	25°45'45"	3°13'13"	8°40'40"	29°15'15"	0°35'35"	14°42'42"	9°19'19"	W23
T 24	14 8 0	3°49'31"	19°0'0"	13°39'39"	27°33'33"	25°48'48"	17°12'12"	24°43'43"	25°46'46"	3°13'13"	8°39'39"	29°12'12"	0°32'32"	14°49'49"	9°15'15"	T 24
F 25	14 11 56	4°48'07"	3°17'17"	15°41'41"	28°47'47"	26°17'17"	17°14'14"	24°40'40"	25°46'46"	3°14'14"	8°38'38"	29°9'9"	0°28'28"	14°56'56"	9°11'11"	F 25
S 26	14 15 53	5°46'41"	18°40'40"	17°42'42"	29°59'59"	26°46'46"	17°16'16"	24°37'37"	25°46'46"	3°14'14"	8°36'36"	29°6'6"	0°25'25"	15°0'0"	9°0'0"	S 26
S 27	14 19 49	6°45'14"	3°18'18"	19°40'40"	1°11'11"	27°16'16"	17°17'17"	24°34'34"	25°47'47"	3°15'15"	8°35'35"	29°3'3"	0°22'22"	15°9'9"	9°0'0"	S 27
M28	14 23 46	7°43'45"	17°49'49"	21°36'36"	2°26'26"	27°45'45"	17°19'19"	24°31'31"	25°47'47"	3°15'15"	8°34'34"	29°2'2"	0°19'19"	15°16'16"	9°0'0"	M28
T 29	14 27 42	8°42'14"	1°11'11"	23°30'30"	3°39'39"	28°15'15"	17°20'20"	24°28'28"	25°47'47"	3°16'16"	8°32'32"	29°1'1"	0°16'16"	15°23'23"	8°56'56"	T 29
W30	14 31 39	9°40'40"	15°11'11"	25°18'18"	4°11'11"	28°54'54"	17°21'21"	24°25'25"	25°47'47"	3°16'16"	8°31'31"	29°0'0"	0°13'13"	15°29'29"	8°52'52"	W30

Day	☉	☾	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

ASTRODIENST EPHEMERIS for the year 2245

geocentric

MAY 2245

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	14 35 36	10 ⁸ 39'05	29 ^{II} 0	27 ⁸ 7	6 ^{II} 5	29 ⁸ 14	17 ⁸ 22	24 ⁸ R23	25 ⁸ R47	3 ⁸ 17	8 ⁸ R30	29 ⁸ 3	0 ^{II} 9	15 ⁸ 36	8 ⁸ R49	T 1
F 2	14 39 32	11 ⁸ 37'28	11 ⁸ 56	28 ⁸ 51	7 ⁸ 18	29 ⁸ 44	17 ⁸ 22	24 ⁸ 20	25 ⁸ 47	3 ⁸ 17	8 ⁸ 28	29 ⁸ 5	0 ⁸ 6	15 ⁸ 43	8 ⁸ 45	F 2
S 3	14 43 29	12 ⁸ 35'49	24 ⁸ 32	0 ^{II} 31	8 ⁸ 31	0 ⁸ 15	17 ⁸ 23	24 ⁸ 18	25 ⁸ 47	3 ⁸ 18	8 ⁸ 27	29 ⁸ 6	0 ⁸ 3	15 ⁸ 50	8 ⁸ 42	S 3
S 4	14 47 25	13 ⁸ 34'08	6 ⁸ 49	2 ⁸ 8	9 ⁸ 44	0 ⁸ 45	17 ⁸ R23	24 ⁸ 16	25 ⁸ 46	3 ⁸ 19	8 ⁸ 25	29 ⁸ 7	29 ⁸ 59	15 ⁸ 56	8 ⁸ 38	S 4
M 5	14 51 22	14 ⁸ 32'25	18 ⁸ 54	3 ⁸ 40	10 ⁸ 57	1 ⁸ 15	17 ⁸ 23	24 ⁸ 14	25 ⁸ 46	3 ⁸ 19	8 ⁸ 24	29 ⁸ R 7	29 ⁸ 57	16 ⁸ 3	8 ⁸ 35	M 5
T 6	14 55 18	15 ⁸ 30'39	0 ⁸ 50	5 ⁸ 9	12 ⁸ 10	1 ⁸ 46	17 ⁸ 23	24 ⁸ 11	25 ⁸ 46	3 ⁸ 20	8 ⁸ 22	29 ⁸ 6	29 ⁸ 54	16 ⁸ 10	8 ⁸ 32	T 6
W 7	14 59 15	16 ⁸ 28'52	12 ⁸ 43	6 ⁸ 33	13 ⁸ 23	2 ⁸ 16	17 ⁸ 22	24 ⁸ 9	25 ⁸ 46	3 ⁸ 21	8 ⁸ 21	29 ⁸ 5	29 ⁸ 50	16 ⁸ 16	8 ⁸ 29	W 7
T 8	15 3 11	17 ⁸ 27'03	24 ⁸ 36	7 ⁸ 53	14 ⁸ 35	2 ⁸ 47	17 ⁸ 22	24 ⁸ 8	25 ⁸ 45	3 ⁸ 22	8 ⁸ 19	29 ⁸ 3	29 ⁸ 47	16 ⁸ 23	8 ⁸ 26	T 8
F 9	15 7 8	18 ⁸ 25'11	6 ⁸ 33	9 ⁸ 9	15 ⁸ 48	3 ⁸ 18	17 ⁸ 21	24 ⁸ 6	25 ⁸ 45	3 ⁸ 22	8 ⁸ 18	29 ⁸ 2	29 ⁸ 44	16 ⁸ 30	8 ⁸ 23	F 9
S 10	15 11 5	19 ⁸ 23'18	18 ⁸ 37	10 ⁸ 20	17 ⁸ 1	3 ⁸ 49	17 ⁸ 20	24 ⁸ 4	25 ⁸ 44	3 ⁸ 23	8 ⁸ 16	29 ⁸ 0	29 ⁸ 41	16 ⁸ 37	8 ⁸ 20	S 10
S 11	15 15 1	20 ⁸ 21'23	0 ⁸ 51	11 ⁸ 27	18 ⁸ 13	4 ⁸ 20	17 ⁸ 19	24 ⁸ 2	25 ⁸ 44	3 ⁸ 24	8 ⁸ 15	28 ⁸ 59	29 ⁸ 38	16 ⁸ 43	8 ⁸ 17	S 11
M 12	15 18 58	21 ⁸ 19'27	13 ⁸ 18	12 ⁸ 30	19 ⁸ 26	4 ⁸ 51	17 ⁸ 17	24 ⁸ 1	25 ⁸ 43	3 ⁸ 25	8 ⁸ 13	28 ⁸ 59	29 ⁸ 34	16 ⁸ 50	8 ⁸ 15	M 12
T 13	15 22 54	22 ⁸ 17'28	25 ⁸ 57	13 ⁸ 28	20 ⁸ 38	5 ⁸ 23	17 ⁸ 16	23 ⁸ 59	25 ⁸ 43	3 ⁸ 26	8 ⁸ 12	28 ⁸ D58	29 ⁸ 31	16 ⁸ 57	8 ⁸ 12	T 13
W 14	15 26 51	23 ⁸ 15'29	8 ⁸ 57	14 ⁸ 21	21 ⁸ 51	5 ⁸ 54	17 ⁸ 14	23 ⁸ 58	25 ⁸ 42	3 ⁸ 27	8 ⁸ 10	28 ⁸ 58	29 ⁸ 28	17 ⁸ 3	8 ⁸ 10	W 14
T 15	15 30 47	24 ⁸ 13'27	21 ⁸ 57	15 ⁸ 10	23 ⁸ 3	6 ⁸ 26	17 ⁸ 12	23 ⁸ 57	25 ⁸ 41	3 ⁸ 28	8 ⁸ 9	28 ⁸ 59	29 ⁸ 25	17 ⁸ 10	8 ⁸ 7	T 15
F 16	15 34 44	25 ⁸ 11'25	5 ⁸ 37	15 ⁸ 53	24 ⁸ 15	6 ⁸ 57	17 ⁸ 10	23 ⁸ 56	25 ⁸ 41	3 ⁸ 29	8 ⁸ 7	28 ⁸ 59	29 ⁸ 22	17 ⁸ 17	8 ⁸ 5	F 16
S 17	15 38 40	26 ⁸ 9'21	18 ⁸ 51	16 ⁸ 32	25 ⁸ 28	7 ⁸ 29	17 ⁸ 8	23 ⁸ 55	25 ⁸ 40	3 ⁸ 30	8 ⁸ 5	28 ⁸ 59	29 ⁸ 19	17 ⁸ 24	8 ⁸ 3	S 17
S 18	15 42 37	27 ⁸ 7'15	2 ⁸ 37	17 ⁸ 7	26 ⁸ 40	8 ⁸ 1	17 ⁸ 6	23 ⁸ 54	25 ⁸ 39	3 ⁸ 31	8 ⁸ 4	29 ⁸ 0	29 ⁸ 15	17 ⁸ 30	8 ⁸ 1	S 18
M 19	15 46 34	28 ⁸ 5'09	16 ⁸ 34	17 ⁸ 36	27 ⁸ 52	8 ⁸ 33	17 ⁸ 3	23 ⁸ 53	25 ⁸ 38	3 ⁸ 32	8 ⁸ 2	29 ⁸ 0	29 ⁸ 12	17 ⁸ 37	7 ⁸ 59	M 19
T 20	15 50 30	29 ⁸ 3'01	0 ⁸ 42	18 ⁸ 0	29 ⁸ 4	9 ⁸ 5	17 ⁸ 0	23 ⁸ 52	25 ⁸ 37	3 ⁸ 33	8 ⁸ 1	29 ⁸ 0	29 ⁸ 9	17 ⁸ 44	7 ⁸ 57	T 20
W 21	15 54 27	0 ⁸ 52	14 ⁸ 57	18 ⁸ 19	0 ⁸ 56	9 ⁸ 37	16 ⁸ 57	23 ⁸ 52	25 ⁸ 36	3 ⁸ 34	7 ⁸ 59	29 ⁸ 0	29 ⁸ 6	17 ⁸ 51	7 ⁸ 55	W 21
T 22	15 58 23	0 ⁸ 58'42	29 ⁸ 18	18 ⁸ 34	1 ⁸ 28	10 ⁸ 9	16 ⁸ 54	23 ⁸ 51	25 ⁸ 35	3 ⁸ 36	7 ⁸ 57	29 ⁸ 0	29 ⁸ 3	17 ⁸ 57	7 ⁸ 54	T 22
F 23	16 2 20	1 ⁸ 56'30	13 ⁸ 41	18 ⁸ 43	2 ⁸ 40	10 ⁸ 42	16 ⁸ 51	23 ⁸ 51	25 ⁸ 34	3 ⁸ 37	7 ⁸ 56	29 ⁸ 0	29 ⁸ 0	18 ⁸ 4	7 ⁸ 52	F 23
S 24	16 6 16	2 ⁸ 54'18	28 ⁸ 2	18 ⁸ R48	3 ⁸ 52	11 ⁸ 14	16 ⁸ 47	23 ⁸ 51	25 ⁸ 33	3 ⁸ 38	7 ⁸ 54	29 ⁸ 0	28 ⁸ 56	18 ⁸ 11	7 ⁸ 51	S 24
S 25	16 10 13	3 ⁸ 52'04	12 ⁸ 17	18 ⁸ 48	5 ⁸ 4	11 ⁸ 47	16 ⁸ 44	23 ⁸ 50	25 ⁸ 32	3 ⁸ 39	7 ⁸ 52	29 ⁸ 1	28 ⁸ 53	18 ⁸ 17	7 ⁸ 50	S 25
M 26	16 14 9	4 ⁸ 49'50	26 ⁸ 21	18 ⁸ 43	6 ⁸ 16	12 ⁸ 19	16 ⁸ 40	23 ⁸ D50	25 ⁸ 30	3 ⁸ 41	7 ⁸ 51	29 ⁸ R 1	28 ⁸ 50	18 ⁸ 24	7 ⁸ 48	M 26
T 27	16 18 6	5 ⁸ 47'34	10 ⁸ 11	18 ⁸ 34	7 ⁸ 28	12 ⁸ 52	16 ⁸ 36	23 ⁸ 50	25 ⁸ 29	3 ⁸ 42	7 ⁸ 49	29 ⁸ 1	28 ⁸ 47	18 ⁸ 31	7 ⁸ 47	T 27
W 28	16 22 3	6 ⁸ 45'16	23 ⁸ 44	18 ⁸ 20	8 ⁸ 39	13 ⁸ 25	16 ⁸ 32	23 ⁸ 50	25 ⁸ 28	3 ⁸ 43	7 ⁸ 47	29 ⁸ 0	28 ⁸ 44	18 ⁸ 38	7 ⁸ 46	W 28
T 29	16 25 59	7 ⁸ 42'58	6 ⁸ 57	18 ⁸ 3	9 ⁸ 51	13 ⁸ 57	16 ⁸ 27	23 ⁸ 51	25 ⁸ 27	3 ⁸ 45	7 ⁸ 46	29 ⁸ 0	28 ⁸ 40	18 ⁸ 44	7 ⁸ 45	T 29
F 30	16 29 56	8 ⁸ 40'38	19 ⁸ 51	17 ⁸ 42	11 ⁸ 3	14 ⁸ 30	16 ⁸ 23	23 ⁸ 51	25 ⁸ 25	3 ⁸ 46	7 ⁸ 44	28 ⁸ 58	28 ⁸ 37	18 ⁸ 51	7 ⁸ 45	F 30
S 31	16 33 52	9 ⁸ 38'17	2 ⁸ 26	17 ⁸ 17	12 ⁸ 54	15 ⁸ 14	16 ⁸ 23	23 ⁸ 51	25 ⁸ 24	3 ⁸ 48	7 ⁸ 43	28 ⁸ 57	28 ⁸ 34	18 ⁸ 58	7 ⁸ 44	S 31

Day	☉	☾		♀		♀		♂		♂		♄	♅		♆		♁		♁	♁	♂	♂		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat		
T 1	15n 0	26n 2	2n38	21n20	1n54	21n58	0n40	22n11	1n56	22s 8	0n 9	4n26	2n24	21s26	0s29	19n 7	0s17	8s57	12n53	19n55	20n 9	10n14	5s34	2s15
F 2	15 18	26 27	3 35	21 51	2 2	22 13	0 43	22 3	1 55	22 8	0 9	4 27	2 24	21 26	0 29	19 7	0 17	8 57	12 53	19 56	20 9	10 12	5 32	2 15
S 3	15 36	25 27	4 20	22 20	2 8	22 27	0 46	21 56	1 54	22 9	0 8	4 27	2 23	21 26	0 29	19 7	0 17	8 57	12 53	19 56	20 8	10 9	5 30	2 14
S 4	15 54	23 15	4 52	22 46	2 15	22 41	0 48	21 49	1 54	22 9	0 8	4 28	2 23	21 26	0 29	19 7	0 17	8 56	12 53	19 56	20 7	10 6	5 28	2 14
M 5	16 11	20 3	5 11	23 9	2 20	22 54	0 51	21 41	1 53	22 9	0 8	4 29	2 23	21 26	0 29	19 7	0 17	8 56	12 54	19 56	20 7	10 3	5 26	2 13
T 6	16 28	16 5	5 16	23 30	2 24	23 7	0 54	21 33	1 52	22 9	0 8	4 30	2 23	21 26	0 29	19 7	0 17	8 56	12 54	19 56	20 6	10 0	5 25	2 13
W 7	16 45	11 30	5 7	23 48	2 28	23 18	0 56	21 26	1 51	22 9	0 8	4 30	2 23	21 27	0 29	19 7	0 17	8 55	12 54	19 56	20 5	9 57	5 23	2 12
T 8	17 1	6 30	4 45	24 5	2 31	23 30	0 59	21 18	1 50	22 9	0 8	4 31	2 23	21 27	0 29	19 6	0 17	8 55	12 54	19 55	20 5	9 54	5 21	2 12
F 9	17 17	1 15	4 11	24 19	2 33	23 40	1 1	21 10	1 49	22 9	0 8	4 31	2 22	21 27	0 29	19 6	0 17	8 55	12 54	19 55	20 4	9 52	5 20	2 11
S 10	17 33	4s 7	3 25	24 30	2 34	23 50	1 4	21 2	1 48	22 10	0 8	4 32	2 22	21 27	0 29	19 6	0 17	8 55	12 54	19 55	20 3	9 49	5 18	2 11
S 11	17 49	9 25	2 29	24 40	2 33	23 59	1 6	20 53	1 47	22 10	0 8	4 32	2 22	21 27	0 29	19 6	0 17	8 54	12 54	19 54	20 3	9 46	5 16	2 10
M 12	18 4	14 27	1 26	24 47	2 32	24 8	1 9	20 45	1 46	22 10	0 8	4 33	2 22	21 27	0 29	19 6	0 17	8 54	12 54	19 54	20 2	9 43	5 15	2 9
T 13	18 19	18 57	0 17	24 52	2 30	24 16	1 11	20 36	1 46	22 10	0 7	4 33	2 22	21 27	0 29	19 6	0 17	8 54	12 54	19 54	20 1	9 40	5 13	2 9
W 14	18 34	22 38	0s54	24 56	2 27	24 23	1 13	20 28	1 45	22 11	0 7	4 34	2 22	21 27	0 29	19 5	0 17	8 53	12 54	19 54	20 1	9 37	5 12	2 8
T 15	18 48	25 14	2 4	24 57	2 23	24 29	1 16	20 19	1 44	22 11	0 7	4 34	2 21	21 28	0 29	19 5	0 17	8 53	12 54	19 54	20 0	9 34	5 10	2 8
F 16	19 2	26 26	3 8	24 57	2 18	24 35	1 18	20 10	1 43	22 11	0 7	4 34	2 21	21 28	0 29	19 5	0 17	8 53	12 54	19 54	19 59	9 32	5 9	2 7
S 17	19 16	26 5	4 3	24 55	2 12	24 40	1 20	20 1	1 42	22 12	0 7	4 34	2 21	21 28	0 29	19 5	0 17	8 53	12 54	19 54	19 59	9 29	5 8	2 7
S 18	19 29	24 9	4 44	24 51	2 4	24 44	1 22	19 52	1 41	22 12	0 7	4 35	2 21	21 28	0 29	19 4	0 17	8 52	12 54	19 55	19 58	9 26	5 6	2 6
M 19	19 42	20 46	5 9	24 45	1 56	24 48	1 25	19 43	1 40	22 13	0 7	4 35	2 21	21 28	0 29	19 4	0 17	8 52	12 54	19 55	19 57	9 23	5 5	2 5
T 20	19 55	16 9	5 17	24 38	1 47	24 51	1 27	19 34	1 40	22 13	0 7	4 35	2 20	21 28	0 29	19 4	0 17	8 52	12 54	19 55	19 57	9 20	5 4	2 4
W 21	20 8	10 36	5 5	24 30	1 36	24 53	1 29	19 24	1 39	22 14	0 7	4 35	2 20	21 29	0 30	19 4	0 17	8 52	12 54	19 55	19 56	9 17	5 3	2 4
T 22	20 20	4 28	4 34	24 20	1 25	24 55	1 31	19 15	1 38	22 14	0 6	4 35	2 20	21 29	0 30	19 3	0 16	8 52	12 54	19 55	19 55	9 14	5 1	2 4
F 23	20 31	1n55	3 46	24 8	1 12	24 55	1 33	19 5	1 37	22 15	0 6	4 35	2 20	21 29	0 30	19 3	0 16	8 51	12 54	19 55	19 54	9 11	5 0	2 3
S 24	20 43	8 13	2 43	23 55	0 59	24 56	1 34	18 56	1 36	22 15	0 6	4 35	2 20	21 29	0 30	19 3	0 16	8 51	12 54	19 55	19 54	9 8	4 59	2 3
S 25	20 54	14 3	1 31	23 41	0 45	24 55	1 36	18 46	1 36	22 16	0 6	4 35	2 19	21 30	0 30	19 3	0 16	8 51	12 54	19 55	19 53	9 5	4 58	2 2
M 26	21 4	19 4	0 15	23 26	0 30	24 54	1 38	18 36	1 35	22 16	0 6	4 35	2 19	21 30	0 30	19 2	0 16	8 51	12 54	19 55	19 52	9 3	4 57	2 1
T 27	21 15	22 58	1n 1	23 9	0 14	24 52	1 40	18 26	1 34	22 17	0 6	4 34	2 19	21 30	0 30	19 2	0 16	8 51	12 54	19 55	19 52	9 0	4 56	2 1
W 28	21 25	25 28	2 13	22 52	0s 2	24 49	1 41	18 16	1 33	22 18	0 6	4 34	2 19	21 30	0 30	19 2	0 16	8 50	12 54	19 55	19 51	8 57	4 55	2 0
T 29	21 34	26 28	3 15	22 34	0 19	24 45	1 43	18 6	1 32	22 18	0 6	4 34	2 19	21 31	0 30	19 1	0 16	8 50	12 54	19 54	19 50	8 54	4 54	2 0
F 30	21 43	25 59	4 6	22 15	0 36	24 41	1 45	17 55	1 32	22 19	0 6	4 34	2 18	21 31	0 30	19 1	0 16	8 50	12 54	19 54	19 50	8 51	4 54	1 59
S 31	21n52	24n11	4n43	21n55	0s53	24n36	1n46	17n45	1n31	22s20	0n 5	4n33	2n18	21s31	0s30	19n 1	0s16	8s50	12n54	19n54	19n49	8n48	4s53	1s59

ASTRODIENST EPHEMERIS for the year 2245
geocentric

JUNE 2245

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 37 49	10 ^{II} 35'54	14 ^{II} 45	16°R50	13 ^{II} 26	15 ^{II} 37	16°R13	23 ^{II} 52	25°R22	3 ^{II} 49	7°R41	28°R56	28 ^{II} 31	19 ^{II} 4	7°R44	S 1
M 2	16 41 45	11°33'29	26°52	16 ^{II} 21	14°37	16°10	16 ^{II} 8	23°53	25 ^{II} 21	3°51	7 ^{II} 39	28 ^{II} 55	28°28	19°11	7 ^{II} 43	M 2
T 3	16 45 42	12°31'04	8 ^{II} 49	15°49	15°48	16°43	16° 3	23°53	25°19	3°52	7°38	28°D54	28°25	19°18	7°43	T 3
W 4	16 49 39	13°28'37	20°42	15°16	17° 0	17°16	15°58	23°54	25°18	3°54	7°36	28°54	28°21	19°25	7°43	W 4
T 5	16 53 35	14°26'08	2 ^{II} 36	14°43	18°11	17°50	15°53	23°55	25°16	3°55	7°34	28°55	28°18	19°31	7°D43	T 5
F 6	16 57 32	15°23'38	14°34	14° 9	19°22	18°23	15°47	23°56	25°15	3°57	7°33	28°56	28°15	19°38	7°43	F 6
S 7	17 1 28	16°21'07	26°42	13°36	20°33	18°57	15°42	23°57	25°13	3°58	7°31	28°58	28°12	19°45	7°43	S 7
S 8	17 5 25	17°18'35	9 ^{II} 2	13° 4	21°44	19°31	15°36	23°58	25°11	4° 0	7°29	28°59	28° 9	19°51	7°43	S 8
M 9	17 9 21	18°16'02	21°39	12°33	22°55	20° 4	15°30	24° 0	25° 9	4° 2	7°28	29° 0	28° 6	19°58	7°44	M 9
T 10	17 13 18	19°13'28	4 ^{II} 33	12° 4	24° 6	20°38	15°24	24° 1	25° 8	4° 3	7°26	29°R 0	28° 2	20° 5	7°44	T 10
W11	17 17 14	20°10'53	17°46	11°38	25°17	21°12	15°18	24° 3	25° 6	4° 5	7°25	28°59	27°59	20°12	7°45	W11
T 12	17 21 11	21° 8'17	1 ^{II} 17	11°15	26°28	21°46	15°11	24° 4	25° 4	4° 7	7°23	28°57	27°56	20°18	7°46	T 12
F 13	17 25 8	22° 5'40	15° 4	10°55	27°38	22°20	15° 5	24° 6	25° 2	4° 9	7°21	28°54	27°53	20°25	7°47	F 13
S 14	17 29 4	23° 3'02	29° 4	10°39	28°49	22°54	14°58	24° 8	25° 0	4°10	7°20	28°51	27°50	20°32	7°48	S 14
S 15	17 33 1	24° 0'24	13 ^{II} 14	10°27	29°59	23°28	14°52	24°10	24°58	4°12	7°18	28°47	27°46	20°38	7°49	S 15
M16	17 36 57	24°57'45	27°29	10°19	1 ^{II} 10	24° 2	14°45	24°12	24°56	4°14	7°17	28°45	27°43	20°45	7°50	M16
T 17	17 40 54	25°55'06	11 ^{II} 45	10°D15	2°20	24°37	14°38	24°14	24°54	4°16	7°15	28°43	27°40	20°52	7°51	T 17
W18	17 44 50	26°52'26	26° 0	10°16	3°30	25°11	14°31	24°16	24°52	4°18	7°14	28°D42	27°37	20°59	7°53	W18
T 19	17 48 47	27°49'46	10°Y10	10°21	4°41	25°45	14°24	24°19	24°50	4°19	7°12	28°43	27°34	21° 5	7°54	T 19
F 20	17 52 43	28°47'06	24°15	10°31	5°51	26°20	14°17	24°21	24°48	4°21	7°11	28°44	27°31	21°12	7°56	F 20
S 21	17 56 40	29°44'25	8 ^{II} 12	10°45	7° 1	26°54	14°10	24°24	24°46	4°23	7° 9	28°45	27°27	21°19	7°58	S 21
S 22	18 0 37	0 ^{II} 41'44	22° 0	11° 4	8°11	27°29	14° 3	24°26	24°44	4°25	7° 8	28°R46	27°24	21°25	7°59	S 22
M23	18 4 33	1°39'03	5 ^{II} 38	11°28	9°21	28° 4	13°56	24°29	24°42	4°27	7° 6	28°46	27°21	21°32	8° 1	M23
T 24	18 8 30	2°36'21	19° 4	11°56	10°31	28°38	13°48	24°32	24°40	4°29	7° 5	28°45	27°18	21°39	8° 4	T 24
W25	18 12 26	3°33'39	2 ^{II} 17	12°28	11°40	29°13	13°41	24°35	24°38	4°31	7° 3	28°42	27°15	21°46	8° 6	W25
T 26	18 16 23	4°30'57	15°15	13° 5	12°50	29°48	13°33	24°38	24°35	4°33	7° 2	28°37	27°12	21°52	8° 8	T 26
F 27	18 20 19	5°28'14	27°59	13°46	13°59	0 ^{II} 23	13°26	24°41	24°33	4°35	7° 1	28°31	27° 8	21°59	8°11	F 27
S 28	18 24 16	6°25'30	10 ^{II} 29	14°32	15° 9	0°58	13°18	24°44	24°31	4°37	6°59	28°24	27° 5	22° 6	8°13	S 28
S 29	18 28 12	7°22'46	22°45	15°22	16°18	1°33	13°11	24°47	24°29	4°39	6°58	28°18	27° 2	22°12	8°16	S 29
M30	18 32 9	8 ^{II} 20'02	4 ^{II} 49	16 ^{II} 16	17 ^{II} 27	2 ^{II} 8	13 ^{II} 3	24 ^{II} 51	24 ^{II} 26	4 ^{II} 41	6 ^{II} 56	28 ^{II} 12	26 ^{II} 59	22 ^{II} 19	8 ^{II} 19	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
S 1	22n 0	21n16	5n 6	21n35	1s11	24n31	1n47	17n34	1n30	22s20	0n 5	4n33	2n18	21s32	0s30	19n 1	0s16	8s50	12n54	19n54	19n48	8n45	4s52	1s58	
M 2	22 8	17 29	5 16	21 15	1 28	24 25	1 49	17 23	1 29	22 21	0 5	4 32	2 18	21 32	0 30	19 0	0 16	8 50	12 54	19 53	19 48	8 42	4 51	1 57	
T 3	22 16	13 3	5 11	20 54	1 46	24 18	1 50	17 13	1 28	22 22	0 5	4 32	2 18	21 32	0 30	19 0	0 16	8 49	12 53	19 53	19 47	8 39	4 51	1 57	
W 4	22 23	8 10	4 54	20 34	2 3	24 10	1 51	17 2	1 28	22 22	0 5	4 31	2 17	21 32	0 30	18 59	0 16	8 49	12 53	19 53	19 46	8 36	4 50	1 56	
T 5	22 30	3 0	4 23	20 14	2 19	24 2	1 52	16 51	1 27	22 23	0 5	4 31	2 17	21 33	0 30	18 59	0 16	8 49	12 53	19 53	19 45	8 33	4 50	1 56	
F 6	22 37	2s20	3 41	19 54	2 35	23 53	1 53	16 40	1 26	22 24	0 5	4 30	2 17	21 33	0 30	18 59	0 16	8 49	12 53	19 54	19 45	8 30	4 49	1 55	
S 7	22 43	7 39	2 49	19 35	2 50	23 43	1 54	16 29	1 25	22 25	0 5	4 30	2 17	21 33	0 30	18 58	0 16	8 49	12 53	19 54	19 44	8 27	4 49	1 54	
S 8	22 48	12 47	1 48	19 17	3 4	23 33	1 55	16 17	1 25	22 26	0 4	4 29	2 17	21 34	0 30	18 58	0 16	8 49	12 53	19 54	19 43	8 25	4 48	1 54	
M 9	22 53	17 30	0 40	19 1	3 17	23 22	1 56	16 6	1 24	22 26	0 4	4 28	2 16	21 34	0 30	18 58	0 16	8 49	12 53	19 55	19 43	8 22	4 48	1 53	
T 10	22 58	21 31	0s31	18 45	3 29	23 11	1 57	15 54	1 23	22 27	0 4	4 27	2 16	21 34	0 30	18 57	0 16	8 49	12 52	19 55	19 42	8 19	4 48	1 53	
W11	23 3	24 32	1 42	18 31	3 40	22 59	1 57	15 43	1 22	22 28	0 4	4 27	2 16	21 35	0 30	18 57	0 16	8 49	12 52	19 54	19 41	8 16	4 47	1 52	
T 12	23 7	26 12	2 48	18 19	3 49	22 46	1 58	15 31	1 22	22 29	0 4	4 26	2 16	21 35	0 30	18 57	0 16	8 49	12 52	19 54	19 40	8 13	4 47	1 52	
F 13	23 10	26 19	3 47	18 8	3 57	22 32	1 58	15 20	1 21	22 30	0 4	4 25	2 16	21 35	0 30	18 56	0 16	8 49	12 52	19 53	19 40	8 10	4 47	1 51	
S 14	23 14	24 45	4 32	17 59	4 4	22 18	1 59	15 8	1 20	22 31	0 4	4 24	2 15	21 36	0 30	18 56	0 16	8 49	12 52	19 53	19 39	8 7	4 47	1 50	
S 15	23 16	21 39	5 2	17 52	4 10	22 4	1 59	14 56	1 19	22 31	0 3	4 23	2 15	21 36	0 30	18 55	0 16	8 48	12 51	19 52	19 38	8 4	4 47	1 50	
M16	23 19	17 14	5 13	17 47	4 14	21 49	1 59	14 44	1 19	22 32	0 3	4 22	2 15	21 37	0 30	18 55	0 16	8 48	12 51	19 51	19 38	8 1	4 47	1 49	
T 17	23 21	11 51	5 5	17 43	4 17	21 33	1 59	14 32	1 18	22 33	0 3	4 21	2 15	21 37	0 30	18 55	0 16	8 48	12 51	19 51	19 37	7 58	4 47	1 49	
W18	23 22	5 51	4 39	17 42	4 18	21 17	1 59	14 19	1 17	22 34	0 3	4 20	2 15	21 37	0 30	18 54	0 16	8 48	12 51	19 51	19 36	7 55	4 47	1 48	
T 19	23 23	0n25	3 55	17 42	4 19	21 0	1 59	14 7	1 16	22 35	0 3	4 19	2 14	21 38	0 30	18 54	0 16	8 48	12 51	19 51	19 35	7 52	4 47	1 48	
F 20	23 24	6 38	2 58	17 44	4 18	20 43	1 59	13 55	1 16	22 36	0 3	4 18	2 14	21 38	0 30	18 53	0 16	8 48	12 50	19 51	19 35	7 49	4 47	1 47	
S 21	23 24	12 29	1 50	17 48	4 16	20 25	1 59	13 42	1 15	22 37	0 3	4 17	2 14	21 39	0 30	18 53	0 16	8 48	12 50	19 51	19 34	7 46	4 47	1 47	
S 22	23 24	17 39	0 37	17 53	4 13	20 6	1 59	13 30	1 14	22 38	0 3	4 15	2 14	21 39	0 30	18 52	0 16	8 48	12 50	19 52	19 33	7 43	4 47	1 46	
M23	23 24	21 50	0n37	18 0	4 10	19 47	1 58	13 17	1 14	22 38	0 2	4 14	2 14	21 39	0 30	18 52	0 16	8 49	12 50	19 52	19 33	7 40	4 48	1 45	
T 24	23 23	24 46	1 48	18 9	4 5	19 28	1 58	13 4	1 13	22 39	0 2	4 13	2 14	21 40	0 30	18 52	0 16	8 49	12 49	19 51	19 32	7 37	4 48	1 45	
W25	23 22	26 16	2 52	18 18	3 59	19 8	1 57	12 51	1 12	22 40	0 2	4 12	2 13	21 40	0 30	18 51	0 16	8 49	12 49	19 51	19 31	7 34	4 48	1 44	
T 26	23 20	26 17	3 46	18 30	3 53	18 48	1 56	12 39	1 11	22 41	0 2	4 10	2 13	21 41	0 30	18 51	0 16	8 49	12 49	19 50	19 30	7 31	4 49	1 44	
F 27	23 18	24 54	4 27	18 42	3 45	18 27	1 55	12 26	1 11	22 42	0 2	4 9	2 13	21 41	0 30	18 50	0 16	8 49	12 48	19 48	19 30	7 28	4 49	1 43	
S 28	23 15	22 19	4 55	18 55	3 37	18 6	1 54	12 12	1 10	22 43	0 2	4 7	2 13	21 41	0 30	18 50	0 16	8 49	12 48	19 47	19 29	7 25	4 50	1 43	
S 29	23 12	18 46	5 8	19 9	3 29	17 44	1 53	11 59	1 9	22 44	0 2	4 6	2 13	21 42	0 30	18 49	0 16	8 49	12 48	19 45	19 28	7 22	4 50	1 42	
M30	23n 9	14n30	5n 8	19n24	3s19	17n22	1n52	11n46	1n 9	22s45	0n 1	4n 4	2n12	21s42	0s30	18n49	0s16	8s49	12n48	19n44	19n27	7n19	4s51	1s42	

ASTRODIENST EPHEMERIS for the year 2245
geocentric

JULY 2245

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	18 36 6	9 ⁵⁵ 17'17	16 ¹⁷ 46	17 ¹¹ 14	18 ¹⁸ 37	2 ¹⁷ 43	12 ¹² R55	24 ¹⁷ 54	24 ¹⁸ R24	4 ¹⁸ 43	6 ¹⁸ R55	28 ¹⁸ R 8	26 ¹⁸ 56	22 ¹⁷ 26	8 ¹⁸ 21	T 1
W 2	18 40 2	10 ¹⁰ 14'31	28 ³⁰ 38	18 ¹⁶ 16	19 ¹⁶ 46	3 ¹⁹ 19	12 ¹² 348	24 ¹⁸ 58	24 ¹⁸ 322	4 ¹⁸ 45	6 ¹⁸ 54	28 ¹⁸ 8 6	26 ¹⁸ 52	22 ¹⁸ 32	8 ¹⁸ 24	W 2
T 3	18 43 59	11 ¹⁰ 11'45	10 ¹⁰ 21	19 ¹⁶ 22	20 ¹⁶ 55	3 ¹⁹ 54	12 ¹² 40	25 ¹⁸ 1	24 ¹⁹ 19	4 ¹⁸ 47	6 ¹⁸ 53	28 ¹⁸ D 5	26 ¹⁹ 49	22 ¹⁸ 39	8 ¹⁸ 27	T 3
F 4	18 47 55	12 ¹⁰ 8'58	22 ¹⁰ 28	20 ¹⁶ 32	22 ¹⁶ 3	4 ¹⁹ 29	12 ¹² 32	25 ¹⁸ 5	24 ¹⁹ 17	4 ¹⁸ 49	6 ¹⁸ 51	28 ¹⁸ 5	26 ¹⁹ 46	22 ¹⁸ 46	8 ¹⁸ 31	F 4
S 5	18 51 52	13 ¹⁰ 6'11	4 ¹⁰ 36	21 ¹⁶ 46	23 ¹⁶ 12	5 ¹⁹ 5	12 ¹² 25	25 ¹⁸ 9	24 ¹⁹ 15	4 ¹⁸ 51	6 ¹⁸ 50	28 ¹⁸ 7	26 ¹⁹ 43	22 ¹⁸ 53	8 ¹⁸ 34	S 5
S 6	18 55 48	14 ¹⁰ 3'24	16 ¹⁶ 58	23 ¹⁶ 3	24 ¹⁶ 21	5 ¹⁹ 40	12 ¹² 17	25 ¹⁸ 12	24 ¹⁹ 12	4 ¹⁸ 53	6 ¹⁸ 49	28 ¹⁸ 8	26 ¹⁹ 40	22 ¹⁸ 59	8 ¹⁸ 37	S 6
M 7	18 59 45	15 ¹⁰ 0'36	29 ¹⁶ 39	24 ¹⁶ 25	25 ¹⁶ 29	6 ¹⁹ 16	12 ¹² 9	25 ¹⁸ 16	24 ¹⁹ 10	4 ¹⁸ 55	6 ¹⁸ 48	28 ¹⁸ R 9	26 ¹⁹ 37	23 ¹⁸ 6	8 ¹⁸ 41	M 7
T 8	19 3 41	15 ¹⁰ 57'48	12 ¹⁶ 43	25 ¹⁶ 50	26 ¹⁶ 38	6 ¹⁹ 51	12 ¹² 2	25 ¹⁸ 20	24 ¹⁹ 8	4 ¹⁸ 58	6 ¹⁸ 46	28 ¹⁸ 7	26 ¹⁹ 33	23 ¹⁸ 13	8 ¹⁸ 45	T 8
W 9	19 7 38	16 ¹⁰ 55'00	26 ¹⁶ 11	27 ¹⁶ 19	27 ¹⁶ 46	7 ¹⁹ 27	11 ¹⁶ 54	25 ¹⁸ 25	24 ¹⁹ 5	5 ¹⁸ 0	6 ¹⁸ 45	28 ¹⁸ 5	26 ¹⁹ 30	23 ¹⁸ 19	8 ¹⁸ 48	W 9
T 10	19 11 35	17 ¹⁰ 52'12	10 ¹⁶ 3 2	28 ¹⁶ 51	28 ¹⁶ 54	8 ¹⁹ 3	11 ¹⁶ 46	25 ¹⁸ 29	24 ¹⁹ 3	5 ¹⁸ 2	6 ¹⁸ 44	27 ¹⁸ 59	26 ¹⁹ 27	23 ¹⁸ 26	8 ¹⁸ 52	T 10
F 11	19 15 31	18 ¹⁰ 49'24	24 ¹⁶ 14	0 ¹⁶ 27	0 ¹⁶ 2	8 ¹⁹ 38	11 ¹⁶ 39	25 ¹⁸ 33	24 ¹⁹ 1	5 ¹⁸ 4	6 ¹⁸ 43	27 ¹⁸ 53	26 ¹⁹ 24	23 ¹⁸ 33	8 ¹⁸ 56	F 11
S 12	19 19 28	19 ¹⁰ 46'35	8 ¹⁶ 41	2 ¹⁶ 7	1 ¹⁶ 10	9 ¹⁹ 14	11 ¹⁶ 31	25 ¹⁸ 37	23 ¹⁸ 58	5 ¹⁸ 6	6 ¹⁸ 42	27 ¹⁸ 45	26 ¹⁹ 21	23 ¹⁸ 40	9 ¹⁸ 0	S 12
S 13	19 23 24	20 ¹⁰ 43'47	23 ¹⁶ 18	3 ¹⁶ 50	2 ¹⁶ 18	9 ¹⁹ 50	11 ¹⁶ 24	25 ¹⁸ 42	23 ¹⁸ 56	5 ¹⁸ 8	6 ¹⁸ 41	27 ¹⁸ 37	26 ¹⁹ 18	23 ¹⁸ 46	9 ¹⁸ 4	S 13
M14	19 27 21	21 ¹⁰ 41'00	7 ¹⁶ 57	5 ¹⁶ 36	3 ¹⁶ 25	10 ¹⁹ 26	11 ¹⁶ 16	25 ¹⁸ 46	23 ¹⁸ 53	5 ¹⁸ 10	6 ¹⁸ 40	27 ¹⁸ 30	26 ¹⁹ 14	23 ¹⁸ 53	9 ¹⁸ 8	M14
T 15	19 31 17	22 ¹⁰ 38'12	22 ¹⁶ 31	7 ¹⁶ 25	4 ¹⁶ 33	11 ¹⁹ 2	11 ¹⁶ 9	25 ¹⁸ 51	23 ¹⁸ 51	5 ¹⁸ 13	6 ¹⁸ 39	27 ¹⁸ 25	26 ¹⁹ 11	24 ¹⁸ 0	9 ¹⁸ 13	T 15
W16	19 35 14	23 ¹⁰ 35'25	6 ¹⁶ 55	9 ¹⁶ 18	5 ¹⁶ 40	11 ¹⁹ 38	11 ¹⁶ 1	25 ¹⁸ 56	23 ¹⁸ 48	5 ¹⁸ 15	6 ¹⁸ 38	27 ¹⁸ 21	26 ¹⁹ 8	24 ¹⁸ 6	9 ¹⁸ 17	W16
T 17	19 39 11	24 ¹⁰ 32'39	21 ¹⁶ 7	11 ¹⁶ 13	6 ¹⁶ 47	12 ¹⁹ 14	10 ¹⁶ 54	26 ¹⁸ 0	23 ¹⁸ 46	5 ¹⁸ 17	6 ¹⁸ 37	27 ¹⁸ D20	26 ¹⁹ 5	24 ¹⁸ 13	9 ¹⁸ 21	T 17
F 18	19 43 7	25 ¹⁰ 29'53	5 ¹⁶ 8 3	13 ¹⁶ 10	7 ¹⁶ 54	12 ¹⁹ 50	10 ¹⁶ 47	26 ¹⁸ 5	23 ¹⁸ 44	5 ¹⁸ 19	6 ¹⁸ 36	27 ¹⁸ 21	26 ¹⁹ 2	24 ¹⁸ 20	9 ¹⁸ 26	F 18
S 19	19 47 4	26 ¹⁰ 27'08	18 ¹⁶ 46	15 ¹⁶ 10	9 ¹⁶ 1	13 ¹⁹ 26	10 ¹⁶ 40	26 ¹⁸ 10	23 ¹⁸ 41	5 ¹⁸ 21	6 ¹⁸ 35	27 ¹⁸ 21	25 ¹⁹ 58	24 ¹⁸ 27	9 ¹⁸ 31	S 19
S 20	19 51 0	27 ¹⁰ 24'23	2 ¹⁶ 14	17 ¹⁶ 12	10 ¹⁶ 8	14 ¹⁹ 3	10 ¹⁶ 32	26 ¹⁸ 15	23 ¹⁸ 39	5 ¹⁸ 24	6 ¹⁸ 34	27 ¹⁸ R21	25 ¹⁹ 55	24 ¹⁸ 33	9 ¹⁸ 35	S 20
M21	19 54 57	28 ¹⁰ 21'39	15 ¹⁶ 30	19 ¹⁶ 16	11 ¹⁶ 15	14 ¹⁹ 39	10 ¹⁶ 25	26 ¹⁸ 20	23 ¹⁸ 36	5 ¹⁸ 26	6 ¹⁸ 33	27 ¹⁸ 20	25 ¹⁹ 52	24 ¹⁸ 40	9 ¹⁸ 40	M21
T 22	19 58 53	29 ¹⁰ 18'55	28 ¹⁶ 33	21 ¹⁶ 21	12 ¹⁶ 21	15 ¹⁹ 15	10 ¹⁶ 18	26 ¹⁸ 25	23 ¹⁸ 34	5 ¹⁸ 28	6 ¹⁸ 32	27 ¹⁸ 16	25 ¹⁹ 49	24 ¹⁸ 47	9 ¹⁸ 45	T 22
W23	20 2 50	0 ¹⁰ 16'13	11 ¹⁶ 25	23 ¹⁶ 28	13 ¹⁶ 27	15 ¹⁹ 52	10 ¹⁶ 12	26 ¹⁸ 30	23 ¹⁸ 32	5 ¹⁸ 30	6 ¹⁸ 32	27 ¹⁸ 10	25 ¹⁹ 46	24 ¹⁸ 53	9 ¹⁸ 50	W23
T 24	20 6 46	1 ¹⁰ 13'30	24 ¹⁶ 6	25 ¹⁶ 35	14 ¹⁶ 34	16 ¹⁹ 28	10 ¹⁶ 5	26 ¹⁸ 35	23 ¹⁸ 29	5 ¹⁸ 32	6 ¹⁸ 31	27 ¹⁸ 1	25 ¹⁹ 43	25 ¹⁸ 0	9 ¹⁸ 55	T 24
F 25	20 10 43	2 ¹⁰ 10'48	6 ¹⁶ 35	27 ¹⁶ 43	15 ¹⁶ 40	17 ¹⁹ 5	9 ¹⁶ 58	26 ¹⁸ 41	23 ¹⁸ 27	5 ¹⁸ 35	6 ¹⁸ 30	26 ¹⁸ 50	25 ¹⁹ 39	25 ¹⁸ 7	10 ¹⁸ 1	F 25
S 26	20 14 40	3 ¹⁰ 8'07	18 ¹⁶ 54	29 ¹⁶ 51	16 ¹⁶ 45	17 ¹⁹ 41	9 ¹⁶ 52	26 ¹⁸ 46	23 ¹⁸ 24	5 ¹⁸ 37	6 ¹⁸ 29	26 ¹⁸ 38	25 ¹⁹ 36	25 ¹⁸ 13	10 ¹⁸ 6	S 26
S 27	20 18 36	4 ¹⁰ 5'26	1 ¹⁶ 3 3	1 ¹⁶ 59	17 ¹⁶ 51	18 ¹⁹ 18	9 ¹⁶ 45	26 ¹⁸ 51	23 ¹⁸ 22	5 ¹⁸ 39	6 ¹⁸ 29	26 ¹⁸ 26	25 ¹⁹ 33	25 ¹⁸ 20	10 ¹⁸ 11	S 27
M28	20 22 33	5 ¹⁰ 2'45	13 ¹⁶ 3	4 ¹⁶ 6	18 ¹⁶ 56	18 ¹⁹ 55	9 ¹⁶ 39	26 ¹⁸ 57	23 ¹⁸ 20	5 ¹⁸ 41	6 ¹⁸ 28	26 ¹⁸ 16	25 ¹⁹ 30	25 ¹⁸ 27	10 ¹⁸ 17	M28
T 29	20 26 29	6 ¹⁰ 0'05	24 ¹⁶ 57	6 ¹⁶ 13	20 ¹⁶ 2	19 ¹⁹ 31	9 ¹⁶ 33	27 ¹⁸ 2	23 ¹⁸ 17	5 ¹⁸ 44	6 ¹⁸ 28	26 ¹⁸ 7	25 ¹⁹ 27	25 ¹⁸ 34	10 ¹⁸ 22	T 29
W30	20 30 26	6 ¹⁰ 57'25	6 ¹⁶ 47	8 ¹⁶ 19	21 ¹⁶ 7	20 ¹⁹ 8	9 ¹⁶ 27	27 ¹⁸ 8	23 ¹⁸ 15	5 ¹⁸ 46	6 ¹⁸ 27	26 ¹⁸ 1	25 ¹⁹ 24	25 ¹⁸ 40	10 ¹⁸ 28	W30
T 31	20 34 22	7 ¹⁰ 54'46	18 ¹⁶ 37	10 ¹⁶ 25	22 ¹⁶ 12	20 ¹⁹ 45	9 ¹⁶ 21	27 ¹⁸ 14	23 ¹⁸ 13	5 ¹⁸ 48	6 ¹⁸ 26	25 ¹⁸ 57	25 ¹⁹ 20	25 ¹⁸ 47	10 ¹⁸ 34	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	23n 5	9n43	4n54	19n39	3s10	16n59	1n51	11n33	1n 8	22s46	0n 1	4n 3	2n12	21s43	0s30	18n48	0s16	8s49	12n47	19n43	19n27	7n16	4s51	1s41							
W 2	23 1	4 37	4 27	19 55	2 59	16 36	1 50	11 19	1 7	22 46	0 1	4 1	2 12	21 43	0 30	18 48	0 16	8 49	12 47	19 43	19 26	7 13	4 52	1 40							
T 3	22 56	0s39	3 49	20 11	2 48	16 13	1 48	11 6	1 6	22 47	0 1	4 0	2 12	21 43	0 30	18 47	0 16	8 49	12 47	19 42	19 25	7 10	4 53	1 40							
F 4	22 51	5 56	3 1	20 27	2 37	15 49	1 47	10 52	1 6	22 48	0 1	3 58	2 12	21 44	0 30	18 47	0 16	8 50	12 46	19 43	19 25	7 7	4 54	1 39							
S 5	22 46	11 5	2 4	20 44	2 26	15 25	1 45	10 39	1 5	22 49	0 1	3 56	2 12	21 44	0 31	18 46	0 16	8 50	12 46	19 43	19 24	7 4	4 54	1 39							
S 6	22 40	15 55	1 0	21 0	2 14	15 1	1 43	10 25	1 4	22 50	0 1	3 55	2 11	21 45	0 31	18 46	0 16	8 50	12 46	19 43	19 23	7 1	4 55	1 38							
M 7	22 34	20 11	0s 8	21 16	2 2	14 36	1 41	10 11	1 4	22 51	0 1	3 53	2 11	21 45	0 31	18 45	0 16	8 50	12 45	19 43	19 22	6 58	4 56	1 38							
T 8	22 27	23 35	1 18	21 32	1 49	14 11	1 40	9 58	1 3	22 52	0 0	3 51	2 11	21 46	0 31	18 45	0 16	8 50	12 45	19 43	19 22	6 55	4 57	1 37							
W 9	22 20	25 46	2 25	21 46	1 37	13 46	1 37	9 44	1 2	22 52	0 0	3 49	2 11	21 46	0 31	18 44	0 16	8 50	12 44	19 42	19 21	6 52	4 58	1 37							
T 10	22 13	26 27	3 26	22 0	1 24	13 20	1 35	9 30	1 2	22 53	0 0	3 48	2 11	21 46	0 31	18 44	0 16	8 51	12 44	19 41	19 20	6 49	4 59	1 36							
F 11	22 5	25 26	4 15	22 13	1 11	12 54	1 33	9 16	1 1	22 54	0s 0	3 46	2 11	21 47	0 31	18 43	0 16	8 51	12 44	19 40	19 19	6 46	5 0	1 36							
S 12	21 57	22 43	4 49	22 25	0 58	12 28	1 31	9 2	1 0	22 55	0 0	3 44	2 10	21 47	0 31	18 43	0 16	8 51	12 43	19 38	19 19	6 43	5 1	1 35							
S 13	21 49	18 32	5 5	22 36	0 46	12 1	1 28	8 48	1 0	22 56	0 0	3 42	2 10	21 48	0 31	18 42	0 16	8 51	12 43	19 36	19 18	6 40	5 2	1 35							
M14	21 40	13 14	5 1	22 44	0 33	11 34	1 26	8 33	0 59	22 56	0 0	3 40	2 10	21 48	0 31	18 42	0 16	8 51	12 43	19 35	19 17	6 37	5 4	1 34							
T 15	21 31	7 13	4 37	22 51	0 21	11 7	1 23	8 19	0 58	22 57	0 1	3 38	2 10	21 49	0 31	18 41	0 16	8 52	12 42	19 33	19 16	6 34	5 5	1 33							
W16	21 21	0 52	3 56	22 56	0 9	10 40	1 20	8 5	0 58	22 58	0 1	3 36	2 10	21 49	0 31	18 41	0 16	8 52	12 42	19 33	19 16	6 31	5 6	1 34							
T 17	21 11	5n25	3 1	22 59	0n 3	10 12	1 17	7 50	0 57	22 59	0 1	3 34	2 10	21 49	0 31	18 40	0 16	8 52	12 41	19 32	19 15	6 28	5 7	1 33							
F 18	21 1	11 22	1 56	23 0	0 15	9 45	1 14	7 36	0 56	22 59	0 1	3 32	2 9	21 50	0 31	18 40	0 16	8 52	12 41	19 32	19 14	6 25	5 9	1 32							
S 19	20 50	16 39	0 46	22 58	0 26	9 17	1 11	7 21	0 56	23 0	0 1	3 30	2 9	21 50	0 31	18 39	0 16	8 53	12 41	19 33	19 13	6 22	5 10	1 32							
S 20	20 39	21 0	0n26	22 54	0 36	8 49	1 8	7 7	0 55	23 1	0 1	3 28	2 9	21 51	0 31	18 39	0 16	8 53	12 40	19 33	19 13	6 19	5 12	1 31							
M21	20 28	24 12	1 35	22 47	0 46	8 20	1 5	6 52	0 54	23 1	0 1	3 26	2 9	21 51	0 31	18 38	0 16	8 53	12 40	19 32	19 12	6 16	5 13	1 31							
T 22	20 16	26 2	2 38	22 37	0 55	7 52	1 1	6 38	0 54	23 2	0 2	3 24	2 9	21 52	0 31	18 38	0 16	8 53	12 39	19 31	19 11	6 12	5 14	1 30							
W23	20 4	26 26	3 32	22 25	1 3	7 23	0 58	6 23	0 53	23 3	0 2	3 21	2 9	21 52	0 31	18 37	0 16	8 54	12 39	19 30	19 10	6 9	5 16	1 30							
T24	19 52	25 26	4 14	22 10	1 11	6 54	0 54	6 8	0 52	23 3	0 2	3 19	2 9	21 52	0 31	18 37	0 16	8 54	12 38	19 28	19 10	6 6	5 18	1 29							
F 25	19 39	23 11	4 44	21 52	1 18	6 25	0 50	5 53	0 52	23 4	0 2	3 17	2 8	21 53	0 31	18 36	0 16	8 54	12 38	19 25	19 9	6 3	5 19	1 29							
S 26	19 26	19 52	4 59	21 32	1 25	5 56	0 47	5 38	0 51	23 5	0 2	3 15	2 8	21 53	0 31	18 36	0 16	8 55	12 38	19 23	19 8	6 0	5 21	1 28							
S 27	19 13	15 46	5 1	21 9	1 30	5 27	0 43	5 24	0 50	23 5	0 2	3 13	2 8	21 54	0 31	18 35	0 15	8 55	12 37	19 20	19 7	5 57	5 22	1 28							
M28	18 59	11 6	4 49	20 44	1 35	4 58	0 39	5 9	0 50	23 6	0 2	3 10	2 8	21 54	0 31	18 34	0 15	8 55	12 37	19 17	19 7	5 54	5 24	1 27							
T 29	18 45	6 4	4 25	20 17	1 39	4 28	0 35	4 54	0 49	23 6	0 2	3 8	2 8	21 54	0 31	18 34	0 15	8 56	12 36	19 15	19 6	5 51	5 26	1 27							
W30	18 31	0 50	3 50	19 48	1 42	3 59	0 30	4 39	0 48	23 7	0 3	3 6	2 8	21 55	0 31	18 33	0 15	8 56	12 36	19 14	19 5	5 48	5 28	1 26							
T 31	18n16	4s27	3n 4	19n17	1n44	3n29	0n26	4n23	0n48	23s 8	0s 3	3n 3	2n 8	21s55	0s31	18n33	0s15	8s56	12n35	19n13	19n 4	5n45	5s30	1s26							

ASTRODIENST EPHEMERIS for the year 2245

geocentric

AUGUST 2245

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	20 38 19	8♂52'07	0♂♂32	12♂29	23♂16	21♂22	9♂R15	27♂19	23♂R10	5♂L50	6♂R26	25♂R55	25♂17	25♂54	10♂40	F 1
S 2	20 42 15	9°49'28	12°38	14°32	24°21	21°59	9♂9	27°25	23♂8	5°52	6♂25	25°D55	25°14	26°0	10°45	S 2
S 3	20 46 12	10°46'50	24°58	16°33	25°25	22°36	9°3	27°31	23°6	5°55	6°25	25°R55	25°11	26°7	10°51	S 3
M 4	20 50 9	11°44'13	7♂39	18°34	26°29	23°13	8°58	27°37	23°4	5°57	6°24	25♂54	25°8	26°14	10°57	M 4
T 5	20 54 5	12°41'36	20°44	20°33	27°33	23°50	8°53	27°43	23°1	5°59	6°24	25°52	25°4	26°20	11°4	T 5
W 6	20 58 2	13°39'00	4♂17	22°30	28°36	24°27	8°48	27°49	22°59	6°1	6°24	25°48	25°1	26°27	11°10	W 6
T 7	21 1 58	14°36'25	18°19	24°25	29°40	25°4	8°43	27°55	22°57	6°4	6°23	25°41	24°58	26°34	11°16	T 7
F 8	21 5 55	15°33'50	2♂46	26°20	0♂43	25°42	8°38	28°1	22°55	6°6	6°23	25°32	24°55	26°41	11°22	F 8
S 9	21 9 51	16°31'16	17°33	28°12	1°46	26°19	8°33	28°7	22°53	6°8	6°23	25°21	24°52	26°47	11°29	S 9
S 10	21 13 48	17°28'43	2♂33	0♂3	2°48	26°56	8°29	28°14	22°51	6°10	6°22	25°10	24°49	26°54	11°35	S 10
M 11	21 17 44	18°26'11	17°36	1°53	3°50	27°34	8°24	28°20	22°48	6°12	6°22	25°1	24°45	27°1	11°42	M 11
T 12	21 21 41	19°23'40	2♂31	3°40	4°52	28°11	8°20	28°26	22°46	6°14	6°22	24°53	24°42	27°7	11°48	T 12
W 13	21 25 38	20°21'10	17°12	5°27	5°54	28°49	8°16	28°32	22°44	6°17	6°22	24°48	24°39	27°14	11°55	W 13
T 14	21 29 34	21°18'42	1♂34	7°11	6°56	29°26	8°12	28°39	22°42	6°19	6°22	24°45	24°36	27°21	12°2	T 14
F 15	21 33 31	22°16'15	15°34	8°55	7°57	0♂4	8°8	28°45	22°40	6°21	6°22	24°44	24°33	27°28	12°9	F 15
S 16	21 37 27	23°13'49	29°12	10°36	8°57	0°42	8°5	28°52	22°38	6°23	6°22	24°44	24°29	27°34	12°16	S 16
S 17	21 41 24	24°11'25	12♂31	12°16	9°58	1°19	8°2	28°58	22°36	6°25	6°D22	24°44	24°26	27°41	12°23	S 17
M 18	21 45 20	25°9'03	25°33	13°55	10°58	1°57	7°58	29°5	22°34	6°27	6°22	24°41	24°23	27°48	12°30	M 18
T 19	21 49 17	26°6'42	8♂21	15°32	11°58	2°35	7°55	29°12	22°33	6°30	6°22	24°37	24°20	27°54	12°37	T 19
W 20	21 53 13	27°4'22	20°56	17°8	12°58	3°13	7°53	29°18	22°31	6°32	6°22	24°29	24°17	28°1	12°44	W 20
T 21	21 57 10	28°2'04	3♂20	18°42	13°57	3°51	7°50	29°25	22°29	6°34	6°22	24°19	24°14	28°8	12°51	T 21
F 22	22 1 7	28°59'47	15°36	20°14	14°55	4°29	7°47	29°32	22°27	6°36	6°22	24°6	24°10	28°14	12°58	F 22
S 23	22 5 3	29°57'32	27°44	21°46	15°54	5°7	7°45	29°39	22°25	6°38	6°22	23°52	24°7	28°21	13°6	S 23
S 24	22 9 0	0♂55'17	9♂44	23°15	16°52	5°45	7°43	29°45	22°24	6°40	6°22	23°39	24°4	28°28	13°13	S 24
M 25	22 12 56	1°53'04	21°39	24°43	17°50	6°23	7°41	29°52	22°22	6°42	6°23	23°26	24°1	28°35	13°20	M 25
T 26	22 16 53	2°50'53	3♂29	26°10	18°47	7°1	7°39	29°59	22°20	6°44	6°23	23°15	23°58	28°41	13°28	T 26
W 27	22 20 49	3°48'42	15°18	27°35	19°43	7°40	7°38	0♂6	22°19	6°46	6°23	23°7	23°55	28°48	13°35	W 27
T 28	22 24 46	4°46'33	27°8	28°59	20°40	8°18	7°37	0°13	22°17	6°48	6°24	23°2	23°51	28°55	13°43	T 28
F 29	22 28 42	5°44'25	9♂2	0♂20	21°36	8°56	7°35	0°20	22°16	6°50	6°24	23°0	23°48	29°1	13°51	F 29
S 30	22 32 39	6°42'18	21°6	1°41	22°31	9°35	7°34	0°27	22°14	6°52	6°24	22°D59	23°45	29°8	13°58	S 30
S 31	22 36 36	7♂40'13	3♂23	2♂59	23♂26	10♂13	7♂34	0♂34	22♂13	6♂L54	6♂25	22°R59	23♂42	29♂15	14♂6	S 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	18n 1	9s37	2n10	18n44	1n46	3n 0	0n22	4n 8	0n47	23s 8	0s 3	3n 1	2n 8	21s56	0s31	18n32	0s15	8s57	12n35	19n13	19n 4	5n42	5s31	1s25	
S 2	17 46	14 30	1 10	18 9	1 46	2 30	0 17	3 53	0 46	23 9	0 3	2 58	2 7	21 56	0 31	18 32	0 15	8 57	12 34	19 13	19 3	5 39	5 33	1 25	
S 3	17 30	18 54	0 5	17 33	1 47	2 1	0 12	3 38	0 46	23 9	0 3	2 56	2 7	21 56	0 31	18 31	0 15	8 58	12 34	19 13	19 2	5 36	5 35	1 24	
M 4	17 15	22 34	1s 2	16 55	1 46	1 31	0 8	3 23	0 45	23 10	0 3	2 54	2 7	21 57	0 31	18 31	0 15	8 58	12 33	19 13	19 1	5 33	5 37	1 24	
T 5	16 59	25 12	2 7	16 17	1 45	1 1	0 3	3 7	0 44	23 10	0 3	2 51	2 7	21 57	0 31	18 30	0 15	8 58	12 33	19 12	19 1	5 29	5 39	1 23	
W 6	16 42	26 28	3 8	15 37	1 43	0 31	0s 2	2 52	0 44	23 11	0 4	2 49	2 7	21 57	0 31	18 30	0 15	8 59	12 32	19 11	19 0	5 26	5 41	1 23	
T 7	16 26	26 7	4 0	14 57	1 41	0 2	0 7	2 37	0 43	23 11	0 4	2 46	2 7	21 58	0 31	18 29	0 15	8 59	12 32	19 9	18 59	5 23	5 43	1 23	
F 8	16 9	24 1	4 37	14 16	1 38	0s28	0 12	2 21	0 42	23 11	0 4	2 44	2 7	21 58	0 31	18 29	0 15	9 0	12 32	19 7	18 58	5 20	5 45	1 22	
S 9	15 52	20 16	4 58	13 34	1 35	0 58	0 17	2 6	0 42	23 12	0 4	2 41	2 7	21 59	0 31	18 28	0 15	9 0	12 31	19 5	18 58	5 17	5 47	1 22	
S 10	15 35	15 11	4 58	12 51	1 31	1 27	0 23	1 51	0 41	23 12	0 4	2 38	2 7	21 59	0 31	18 28	0 15	9 0	12 31	19 2	18 57	5 14	5 49	1 21	
M 11	15 17	9 9	4 38	12 8	1 26	1 57	0 28	1 35	0 40	23 13	0 4	2 36	2 6	21 59	0 31	18 27	0 15	9 1	12 30	19 0	18 56	5 11	5 52	1 21	
T 12	14 59	2 39	3 59	11 25	1 22	2 27	0 33	1 20	0 40	23 13	0 4	2 33	2 6	22 0	0 31	18 26	0 15	9 1	12 30	18 58	18 55	5 8	5 54	1 20	
W 13	14 41	3n55	3 4	10 41	1 16	2 56	0 39	1 4	0 39	23 13	0 4	2 31	2 6	22 0	0 31	18 26	0 15	9 2	12 29	18 57	18 54	5 5	5 56	1 20	
T 14	14 23	10 8	1 59	9 57	1 11	3 26	0 45	0 49	0 38	23 14	0 5	2 28	2 6	22 0	0 31	18 25	0 15	9 2	12 29	18 56	18 54	5 2	5 58	1 19	
F 15	14 4	15 43	0 48	9 13	1 5	3 55	0 50	0 33	0 38	23 14	0 5	2 25	2 6	22 1	0 31	18 25	0 15	9 3	12 28	18 56	18 53	4 59	6 0	1 19	
S 16	13 45	20 20	0n24	8 29	0 59	4 24	0 56	0 18	0 37	23 15	0 5	2 23	2 6	22 1	0 31	18 24	0 15	9 3	12 28	18 56	18 52	4 55	6 3	1 19	
S 17	13 26	23 48	1 33	7 45	0 52	4 53	1 2	0 2	0 37	23 15	0 5	2 20	2 6	22 1	0 31	18 24	0 15	9 4	12 27	18 56	18 51	4 52	6 5	1 18	
M 18	13 7	25 55	2 35	7 1	0 45	5 23	1 8	0s14	0 36	23 15	0 5	2 17	2 6	22 1	0 31	18 23	0 15	9 4	12 27	18 55	18 51	4 49	6 7	1 18	
T 19	12 48	26 37	3 28	6 17	0 38	5 51	1 14	0 29	0 35	23 15	0 5	2 15	2 6	22 2	0 31	18 23	0 15	9 5	12 26	18 54	18 50	4 46	6 10	1 17	
W 20	12 28	25 54	4 11	5 33	0 31	6 20	1 20	0 45	0 35	23 16	0 5	2 12	2 6	22 2	0 31	18 22	0 15	9 5	12 26	18 52	18 49	4 43	6 12	1 17	
T 21	12 9	23 55	4 40	4 49	0 23	6 49	1 26	1 0	0 34	23 16	0 5	2 9	2 6	22 2	0 31	18 22	0 15	9 6	12 25	18 49	18 48	4 40	6 15	1 17	
F 22	11 49	20 51	4 56	4 6	0 15	7 18	1 32	1 16	0 33	23 16	0 5	2 6	2 6	22 3	0 31	18 21	0 15	9 6	12 25	18 46	18 47	4 37	6 17	1 16	
S 23	11 28	16 55	4 59	3 22	0 7	7 46	1 39	1 32	0 33	23 17	0 6	2 4	2 5	22 3	0 31	18 21	0 15	9 7	12 24	18 43	18 47	4 34	6 20	1 16	
S 24	11 8	12 21	4 48	2 39	0s 1	8 14	1 45	1 47	0 32	23 17	0 6	2 1	2 5	22 3	0 31	18 20	0 15	9 7	12 24	18 40	18 46	4 31	6 22	1 15	
M 25	10 47	7 22	4 25	1 57	0 10	8 42	1 51	2 3	0 31	23 17	0 6	1 58	2 5	22 3	0 31	18 20	0 15	9 8	12 23	18 36	18 45	4 27	6 25	1 15	
T 26	10 27	2 8	3 50	1 15	0 18	9 10	1 58	2 19	0 31	23 17	0 6	1 55	2 5	22 4	0 31	18 19	0 15	9 8	12 23	18 34	18 44	4 24	6 27	1 14	
W 27	10 6	3s10	3 5	0 33	0 27	9 38	2 5	2 35	0 30	23 17	0 6	1 53	2 5	22 4	0 31	18 19	0 15	9 9	12 22	18 32	18 44	4 21	6 30	1 14	
T 28	9 45	8 23	2 12	0s 8	0 36	10 5	2 11	2 50	0 30	23 18	0 6	1 50	2 5	22 4	0 31	18 18	0 15	9 9	12 22	18 31	18 43	4 18	6 32	1 14	
F 29	9 24	13 20	1 13	0 49	0 44	10 32	2 18	3 6	0 29	23 18	0 6	1 47	2 5	22 4	0 31	18 18	0 15	9 10	12 21	18 30	18 42	4 15	6 35	1 13	
S 30	9 2	17 51	0 10	1 29	0 53	10 59	2 25	3 22	0 28	23 18	0 6	1 44	2 5	22 5	0 30	18 17	0 15	9 11	12 21	18 30	18 41	4 12	6 37	1 13	
S 31	8n41	21s42	0s55	2s 9	1s 3	11s26	2s31	3s37	0n28	23s18	0s 6	1n41	2n 5	22s 5	0s30	18n17	0s15	9s11	12n20	18n30	18n40	4n 9	6s40	1s12	

ASTRODIENST EPHEMERIS for the year 2245
geocentric

SEPTEMBER 2245

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	22 40 32	8 ^h 38'09"	16 ^h 1'1	4 ^h 16'	24 ^h 20'	10 ^h 52'	7°R33	0 ^h 41'	22°R11	6 ^h 56'	6 ^h 25'	22°R59	23 ^h 39'	29 ^h 21'	14 ^h 14'	M 1
T 2	22 44 29	9°36'06"	29° 2	5°31'	25°14'	11°31'	7 ^h 33'	0°48'	22 ^h 310'	6°58'	6°26'	22 ^h 58'	23°35'	29°28'	14°22'	T 2
W 3	22 48 25	10°34'04"	12 ^h 332'	6°45'	26° 7	12° 9	7°32'	0°55'	22° 8	7° 0	6°26'	22°54'	23°32'	29°35'	14°30'	W 3
T 4	22 52 22	11°32'04"	26°32'	7°56'	27° 0	12°48'	7°D32	1° 3	22° 7	7° 2	6°27'	22°48'	23°29'	29°41'	14°38'	T 4
F 5	22 56 18	12°30'05"	11 ^h 31'	9° 5	27°52'	13°27'	7°33'	1°10'	22° 6	7° 4	6°28'	22°40'	23°26'	29°48'	14°45'	F 5
S 6	23 0 15	13°28'08"	25°54'	10°13'	28°43'	14° 5	7°33'	1°17'	22° 5	7° 6	6°28'	22°30'	23°23'	29°55'	14°54'	S 6
S 7	23 4 11	14°26'12"	11 ^h 35'	11°18'	29°34'	14°44'	7°34'	1°24'	22° 3	7° 8	6°29'	22°20'	23°20'	0 ^h 2	15° 2	S 7
M 8	23 8 8	15°24'17"	26°22'	12°20'	0 ^h 124'	15°23'	7°34'	1°31'	22° 2	7° 9	6°30'	22°11'	23°16'	0° 8	15°10'	M 8
T 9	23 12 5	16°22'25"	11 ^h 34'	13°21'	1°13'	16° 2	7°35'	1°39'	22° 1	7°11'	6°30'	22° 4	23°13'	0°15'	15°18'	T 9
W10	23 16 1	17°20'34"	26°32'	14°18'	2° 2	16°41'	7°36'	1°46'	22° 0	7°13'	6°31'	21°59'	23°10'	0°22'	15°26'	W10
T 11	23 19 58	18°18'45"	11 ^h 38'	15°13'	2°50'	17°20'	7°38'	1°53'	21°59'	7°15'	6°32'	21°57'	23° 7	0°28'	15°34'	T 11
F 12	23 23 54	19°16'58"	25°19'	16° 5	3°37'	17°59'	7°39'	2° 1	21°58'	7°17'	6°33'	21°D57'	23° 4	0°35'	15°42'	F 12
S 13	23 27 51	20°15'13"	9 ^h 11'	16°54'	4°23'	18°39'	7°41'	2° 8	21°57'	7°18'	6°34'	21°57'	23° 1	0°42'	15°51'	S 13
S 14	23 31 47	21°13'31"	22°23'	17°40'	5° 9	19°18'	7°43'	2°15'	21°56'	7°20'	6°35'	21°R58'	22°57'	0°48'	15°59'	S 14
M15	23 35 44	22°11'50"	5 ^h 22'	18°22'	5°53'	19°57'	7°45'	2°23'	21°56'	7°22'	6°36'	21°57'	22°54'	0°55'	16° 7	M15
T 16	23 39 40	23°10'11"	18° 2	19° 0	6°37'	20°36'	7°47'	2°30'	21°55'	7°23'	6°37'	21°54'	22°51'	1° 2	16°16'	T 16
W17	23 43 37	24° 8'35"	0 ^h 127'	19°34'	7°20'	21°16'	7°49'	2°37'	21°54'	7°25'	6°38'	21°48'	22°48'	1° 9	16°24'	W17
T 18	23 47 34	25° 7'01"	12°41'	20° 4	8° 1	21°55'	7°52'	2°45'	21°53'	7°27'	6°39'	21°41'	22°45'	1°15'	16°33'	T 18
F 19	23 51 30	26° 5'28"	24°46'	20°29'	8°42'	22°35'	7°55'	2°52'	21°53'	7°28'	6°40'	21°31'	22°41'	1°22'	16°41'	F 19
S 20	23 55 27	27° 3'57"	6 ^h 145'	20°49'	9°22'	23°14'	7°58'	3° 0	21°52'	7°30'	6°41'	21°21'	22°38'	1°29'	16°50'	S 20
S 21	23 59 23	28° 2'29"	18°38'	21° 3	10° 0	23°54'	8° 1	3° 7	21°52'	7°31'	6°42'	21°10'	22°35'	1°35'	16°58'	S 21
M22	0 3 20	29° 1'02"	0 ^h 129'	21°12'	10°38'	24°34'	8° 4	3°15'	21°51'	7°33'	6°43'	21° 1	22°32'	1°42'	17° 7	M22
T 23	0 7 16	29°59'37"	12°19'	21°R14'	11°14'	25°13'	8° 8	3°22'	21°51'	7°35'	6°44'	20°53'	22°29'	1°49'	17°15'	T 23
W24	0 11 13	0 ^h 58'14"	24° 9	21°11'	11°49'	25°53'	8°11'	3°30'	21°50'	7°36'	6°46'	20°47'	22°26'	1°55'	17°24'	W24
T 25	0 15 9	1°56'53"	6 ^h 11'	21° 0	12°23'	26°33'	8°15'	3°37'	21°50'	7°38'	6°47'	20°44'	22°22'	2° 2	17°32'	T 25
F 26	0 19 6	2°55'34"	17°59'	20°42'	12°55'	27°13'	8°19'	3°44'	21°50'	7°39'	6°48'	20°D42'	22°19'	2° 9	17°41'	F 26
S 27	0 23 2	3°54'16"	0 ^h 16'	20°17'	13°26'	27°53'	8°24'	3°52'	21°50'	7°40'	6°49'	20°43'	22°16'	2°15'	17°50'	S 27
S 28	0 26 59	4°53'01"	12°26'	19°45'	13°56'	28°33'	8°28'	3°59'	21°49'	7°42'	6°51'	20°44'	22°13'	2°22'	17°58'	S 28
M29	0 30 56	5°51'47"	25° 2	19° 6	14°24'	29°13'	8°33'	4° 7	21°49'	7°43'	6°52'	20°45'	22°10'	2°29'	18° 7	M29
T 30	0 34 52	6 ^h 50'34"	8 ^h 30'	18 ^h 20'	14 ^h 50'	29 ^h 53'	8 ^h 37'	4 ^h 14'	21 ^h 49'	7 ^h 44'	6 ^h 53'	20°R46'	22 ^h 8'	2 ^h 35'	18 ^h 16'	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
M 1	8n19	24s39	1s59	2s47	1s12	11s53	2s38	3s53	0n27	23s18	0s 7	1n38	2n 5	22s 5	0s30	18n16	0s15	9s12	12n20	18n30	18n40	4n 6	6s43	1s12	
T 2	7 58	26 23	2 59	3 26	1 21	12 19	2 45	4 9	0 26	23 18	0 7	1 36	2 5	22 5	0 30	18 16	0 15	9 12	12 19	18 29	18 39	4 2	6 45	1 12	
W 3	7 36	26 39	3 51	4 3	1 30	12 45	2 52	4 24	0 26	23 18	0 7	1 33	2 5	22 6	0 30	18 15	0 15	9 13	12 19	18 28	18 38	3 59	6 48	1 11	
T 4	7 14	25 16	4 32	4 40	1 39	13 10	2 59	4 40	0 25	23 19	0 7	1 30	2 5	22 6	0 30	18 15	0 15	9 13	12 18	18 27	18 37	3 56	6 51	1 11	
F 5	6 52	22 11	4 56	5 15	1 48	13 36	3 6	4 55	0 24	23 19	0 7	1 27	2 5	22 6	0 30	18 14	0 15	9 14	12 18	18 25	18 36	3 53	6 54	1 11	
S 6	6 29	17 36	5 2	5 50	1 57	14 1	3 13	5 11	0 24	23 19	0 7	1 24	2 5	22 6	0 30	18 14	0 15	9 15	12 17	18 22	18 36	3 50	6 56	1 10	
S 7	6 7	11 49	4 47	6 24	2 6	14 26	3 20	5 27	0 23	23 19	0 7	1 21	2 5	22 6	0 30	18 13	0 15	9 15	12 17	18 20	18 35	3 47	6 59	1 10	
M 8	5 45	5 17	4 11	6 57	2 15	14 50	3 28	5 42	0 23	23 19	0 7	1 18	2 5	22 6	0 30	18 13	0 15	9 16	12 16	18 18	18 34	3 44	7 2	1 9	
T 9	5 22	1n32	3 17	7 28	2 24	15 14	3 35	5 58	0 22	23 19	0 7	1 15	2 5	22 7	0 30	18 12	0 15	9 16	12 16	18 16	18 33	3 40	7 5	1 9	
W10	5 0	8 11	2 11	7 59	2 33	15 38	3 42	6 13	0 21	23 19	0 7	1 12	2 5	22 7	0 30	18 12	0 15	9 17	12 15	18 14	18 32	3 37	7 7	1 9	
T 11	4 37	14 14	0 57	8 28	2 41	16 1	3 49	6 29	0 21	23 19	0 8	1 9	2 5	22 7	0 30	18 12	0 15	9 18	12 15	18 14	18 32	3 34	7 10	1 8	
F 12	4 14	19 21	0n18	8 56	2 50	16 24	3 56	6 44	0 20	23 19	0 8	1 7	2 5	22 7	0 30	18 11	0 15	9 18	12 14	18 14	18 31	3 31	7 13	1 8	
S 13	3 51	23 16	1 30	9 22	2 58	16 47	4 4	7 0	0 19	23 19	0 8	1 4	2 5	22 7	0 30	18 11	0 15	9 19	12 14	18 14	18 30	3 28	7 16	1 8	
S 14	3 28	25 46	2 35	9 47	3 6	17 9	4 11	7 15	0 19	23 19	0 8	1 1	2 5	22 7	0 30	18 10	0 15	9 19	12 13	18 14	18 29	3 25	7 19	1 7	
M15	3 6	26 48	3 30	10 10	3 13	17 31	4 18	7 31	0 18	23 19	0 8	0 58	2 5	22 7	0 30	18 10	0 15	9 20	12 13	18 14	18 28	3 22	7 22	1 7	
T 16	2 42	26 23	4 14	10 31	3 20	17 53	4 25	7 46	0 18	23 19	0 8	0 55	2 5	22 8	0 30	18 9	0 15	9 21	12 12	18 13	18 28	3 18	7 25	1 6	
W17	2 19	24 39	4 44	10 51	3 27	18 14	4 32	8 1	0 17	23 19	0 8	0 52	2 5	22 8	0 30	18 9	0 15	9 21	12 12	18 12	18 27	3 15	7 28	1 6	
T 18	1 56	21 48	5 1	11 8	3 33	18 34	4 40	8 17	0 16	23 19	0 8	0 49	2 5	22 8	0 30	18 9	0 15	9 22	12 11	18 10	18 26	3 12	7 30	1 6	
F 19	1 33	18 2	5 4	11 22	3 39	18 54	4 47	8 32	0 16	23 19	0 8	0 46	2 5	22 8	0 30	18 8	0 15	9 23	12 11	18 7	18 25	3 9	7 33	1 5	
S 20	1 10	13 34	4 54	11 35	3 44	19 14	4 54	8 47	0 15	23 19	0 8	0 43	2 5	22 8	0 30	18 8	0 15	9 23	12 11	18 5	18 24	3 6	7 36	1 5	
S 21	0 47	8 39	4 31	11 44	3 49	19 33	5 1	9 2	0 14	23 19	0 9	0 40	2 5	22 8	0 30	18 7	0 15	9 24	12 10	18 2	18 24	3 3	7 39	1 5	
M22	0 23	3 25	3 56	11 51	3 52	19 52	5 8	9 17	0 14	23 18	0 9	0 37	2 5	22 8	0 30	18 7	0 15	9 24	12 10	17 59	18 23	2 59	7 42	1 4	
T 23	0 0	1s55	3 11	11 54	3 55	20 10	5 15	9 33	0 13	23 18	0 9	0 34	2 5	22 8	0 30	18 7	0 15	9 25	12 9	17 57	18 22	2 56	7 45	1 4	
W24	0s23	7 13	2 18	11 54	3 56	20 28	5 22	9 48	0 13	23 18	0 9	0 31	2 5	22 8	0 30	18 6	0 15	9 26	12 9	17 56	18 21	2 53	7 48	1 4	
T 25	0 46	12 17	1 18	11 50	3 57	20 45	5 29	10 3	0 12	23 18	0 9	0 28	2 5	22 8	0 30	18 6	0 15	9 26	12 8	17 55	18 20	2 50	7 51	1 3	
F 26	1 10	16 56	0 15	11 43	3 56	21 1	5 36	10 18	0 11	23 18	0 9	0 26	2 5	22 8	0 30	18 5	0 15	9 27	12 8	17 54	18 20	2 47	7 54	1 3	
S 27	1 33	20 58	0s51	11 31	3 53	21 17	5 42	10 32	0 11	23 18	0 9	0 23	2 5	22 8	0 30	18 5	0 15	9 28	12 7	17 55	18 19	2 44	7 57	1 3	
S 28	1 56	24 9	1 55	11 15	3 49	21 33	5 49	10 47	0 10	23 17	0 9	0 20	2 5	22 8	0 30	18 5	0 15	9 28	12 7	17 55	18 18	2 40	8 0	1 2	
M29	2 20	26 14	2 55	10 55	3 44	21 47	5 56	11 2	0 9	23 17	0 9	0 17	2 5	22 8	0 30	18 4	0 15	9 29	12 7	17 55	18 17	2 37	8 3	1 2	
T 30	2s43	26s58	3s48	10s30	3s36	22s 1	6s 2	11s17	0n 9	23s17	0s 9	0n14	2n 5	22s 8	0s30	18n 4	0s15	9s30	12n 6	17n55	18n16	2n34	8s 6	1s 2	

ASTRODIENST EPHEMERIS for the year 2245
geocentric

OCTOBER 2245

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	0 38 49	7♏49'24	21♊23	17°R27	15♌15	0♌33	8♊42	4♏22	21°D49	7♏46	6♊55	20°R45	22♊3	2♏42	18♏25	W 1
T 2	0 42 45	8°48'15	5♏14	16♏29	15°38	1°13	8°47	4°29	21♊49	7°47	6°56	20♊42	22°0	2°49	18°33	T 2
F 3	0 46 42	9°47'08	19°32	15°26	15°59	1°54	8°53	4°37	21°49	7°48	6°58	20°38	21°57	2°56	18°42	F 3
S 4	0 50 38	10°46'02	4♏16	14°20	16°19	2°34	8°58	4°44	21°49	7°50	6°59	20°32	21°54	3°2	18°51	S 4
S 5	0 54 35	11°44'58	19°20	13°12	16°36	3°14	9°4	4°51	21°50	7°51	7°1	20°27	21°51	3°9	19°0	S 5
M 6	0 58 31	12°43'56	4♏35	12°4	16°52	3°55	9°9	4°59	21°50	7°52	7°2	20°21	21°47	3°16	19°8	M 6
T 7	1 2 28	13°42'56	19°51	10°57	17°6	4°35	9°15	5°6	21°50	7°53	7°4	20°17	21°44	3°22	19°17	T 7
W 8	1 6 25	14°41'58	4♏56	9°54	17°17	5°16	9°21	5°14	21°50	7°54	7°6	20°14	21°41	3°29	19°26	W 8
T 9	1 10 21	15°41'02	19°43	8°56	17°27	5°56	9°27	5°21	21°51	7°55	7°7	20°D14	21°38	3°36	19°35	T 9
F 10	1 14 18	16°40'09	4♏6	8°5	17°34	6°37	9°34	5°28	21°51	7°56	7°9	20°14	21°35	3°42	19°44	F 10
S 11	1 18 14	17°39'18	18°1	7°22	17°39	7°18	9°40	5°36	21°52	7°57	7°11	20°15	21°32	3°49	19°53	S 11
S 12	1 22 11	18°38'29	1♏29	6°48	17°42	7°59	9°47	5°43	21°52	7°58	7°12	20°17	21°28	3°56	20°1	S 12
M13	1 26 7	19°37'42	14°32	6°25	17°R42	8°39	9°54	5°50	21°53	7°59	7°14	20°R18	21°25	4°2	20°10	M13
T 14	1 30 4	20°36'58	27°13	6°12	17°40	9°20	10°1	5°58	21°53	8°0	7°16	20°18	21°22	4°9	20°19	T 14
W15	1 34 0	21°36'16	9♏36	6°D10	17°36	10°1	10°8	6°5	21°54	8°1	7°18	20°17	21°19	4°16	20°28	W15
T 16	1 37 57	22°35'36	21°45	6°19	17°29	10°42	10°15	6°12	21°55	8°2	7°19	20°14	21°16	4°23	20°37	T 16
F 17	1 41 54	23°34'59	3♏45	6°38	17°20	11°23	10°23	6°20	21°56	8°3	7°21	20°10	21°12	4°29	20°46	F 17
S 18	1 45 50	24°34'23	15°38	7°7	17°9	12°4	10°30	6°27	21°56	8°4	7°23	20°6	21°9	4°36	20°54	S 18
S 19	1 49 47	25°33'50	27°29	7°46	16°55	12°46	10°38	6°34	21°57	8°4	7°25	20°1	21°6	4°43	21°3	S 19
M20	1 53 43	26°33'19	9♏19	8°33	16°39	13°27	10°46	6°41	21°58	8°5	7°27	19°57	21°3	4°49	21°12	M20
T 21	1 57 40	27°32'50	21°10	9°28	16°20	14°8	10°54	6°48	21°59	8°6	7°29	19°54	21°0	4°56	21°21	T 21
W22	2 1 36	28°32'23	3♏5	10°30	16°0	14°49	11°2	6°55	22°0	8°7	7°31	19°52	20°57	5°3	21°30	W22
T 23	2 5 33	29°31'59	15°6	11°39	15°37	15°31	11°10	7°2	22°1	8°7	7°33	19°D51	20°53	5°9	21°38	T 23
F 24	2 9 29	0♌31'36	27°14	12°53	15°12	16°12	11°18	7°10	22°2	8°8	7°35	19°51	20°50	5°16	21°47	F 24
S 25	2 13 26	1°31'15	9♏31	14°11	14°45	16°54	11°27	7°17	22°4	8°8	7°37	19°52	20°47	5°23	21°56	S 25
S 26	2 17 23	2°30'56	22°0	15°34	14°16	17°35	11°36	7°24	22°5	8°9	7°39	19°53	20°44	5°29	22°5	S 26
M27	2 21 19	3°30'39	4♏44	17°0	13°46	18°17	11°44	7°31	22°6	8°9	7°41	19°55	20°41	5°36	22°13	M27
T 28	2 25 16	4°30'23	17°45	18°29	13°13	18°59	11°53	7°38	22°7	8°10	7°43	19°56	20°38	5°43	22°22	T 28
W29	2 29 12	5°30'09	1♏6	20°0	12°40	19°40	12°2	7°44	22°9	8°10	7°45	19°R56	20°34	5°49	22°31	W29
T 30	2 33 9	6°29'57	14°48	21°34	12°6	20°22	12°12	7°51	22°10	8°11	7°47	19°56	20°31	5°56	22°40	T 30
F 31	2 37 5	7♌29'46	28♏53	23♏8	11♌30	21♌4	12♊21	7♏58	22♊12	8♏11	7♊49	19♊55	20♊28	6♏3	22♏48	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	decl lat	decl lat	decl lat
W 1	3s 6	26s10	4s31	10s 2	3s27	22s15	6s 8	11s31	0n 8	23s17	0s 9	0n11	2n 5	22s 8	0s30	18n 4
T 2	3 29	23 46	4 59	9 29	3 16	22 28	6 14	11 46	0 8	23 17	0 10	0 8	2 5	22 8	0 30	18 3
F 3	3 52	19 50	5 10	8 53	3 2	22 39	6 20	12 0	0 7	23 16	0 10	0 5	2 5	22 8	0 30	18 3
S 4	4 15	14 36	5 1	8 13	2 48	22 51	6 26	12 15	0 6	23 16	0 10	0 2	2 5	22 8	0 30	18 3
S 5	4 38	8 23	4 32	7 31	2 31	23 1	6 31	12 29	0 6	23 16	0 10	0s 1	2 5	22 8	0 30	18 3
M 6	5 1	1 35	3 43	6 48	2 13	23 11	6 36	12 44	0 5	23 15	0 10	0 4	2 5	22 8	0 30	18 2
T 7	5 24	5n19	2 38	6 5	1 54	23 19	6 41	12 58	0 5	23 15	0 10	0 6	2 5	22 8	0 30	18 2
W 8	5 47	11 51	1 22	5 21	1 34	23 27	6 46	13 12	0 4	23 15	0 10	0 9	2 5	22 8	0 30	18 2
T 9	6 10	17 36	0 3	4 40	1 13	23 34	6 50	13 26	0 3	23 14	0 10	0 12	2 6	22 8	0 30	18 1
F 10	6 33	22 10	1n15	4 1	0 53	23 40	6 54	13 40	0 3	23 14	0 10	0 15	2 6	22 8	0 30	18 1
S 11	6 55	25 18	2 26	3 25	0 33	23 45	6 58	13 54	0 2	23 14	0 10	0 18	2 6	22 8	0 30	18 1
S 12	7 18	26 51	3 27	2 54	0 13	23 49	7 1	14 8	0 2	23 13	0 10	0 21	2 6	22 8	0 30	18 1
M13	7 40	26 50	4 14	2 27	0n 6	23 52	7 4	14 21	0 1	23 13	0 10	0 23	2 6	22 7	0 30	18 0
T 14	8 2	25 24	4 48	2 6	0 23	23 53	7 6	14 35	0 0	23 12	0 10	0 26	2 6	22 7	0 30	18 0
W15	8 25	22 46	5 8	1 50	0 40	23 54	7 8	14 48	0s 0	23 12	0 11	0 29	2 6	22 7	0 30	18 0
T 16	8 47	19 10	5 13	1 40	0 55	23 53	7 10	15 2	0 1	23 11	0 11	0 32	2 6	22 7	0 30	18 0
F 17	9 9	14 51	5 1	1 35	1 8	23 52	7 11	15 15	0 2	23 11	0 11	0 35	2 6	22 7	0 30	17 59
S 18	9 31	10 0	4 43	1 36	1 20	23 48	7 11	15 28	0 2	23 10	0 11	0 37	2 6	22 7	0 30	17 59
S 19	9 52	4 49	4 9	1 42	1 30	23 44	7 10	15 42	0 3	23 10	0 11	0 40	2 6	22 7	0 30	17 59
M20	10 14	0s33	3 25	1 52	1 39	23 38	7 9	15 55	0 3	23 9	0 11	0 43	2 6	22 6	0 30	17 59
T 21	10 35	5 54	2 31	2 7	1 47	23 31	7 8	16 7	0 4	23 8	0 11	0 46	2 7	22 6	0 30	17 59
W22	10 57	11 6	1 31	2 26	1 52	23 23	7 5	16 20	0 5	23 8	0 11	0 48	2 7	22 6	0 30	17 58
T 23	11 18	15 56	0 26	2 48	1 57	23 13	7 2	16 33	0 5	23 8	0 11	0 51	2 7	22 6	0 30	17 58
F 24	11 39	20 10	0s41	3 14	2 0	23 2	6 58	16 45	0 6	23 7	0 11	0 54	2 7	22 6	0 30	17 58
S 25	11 59	23 36	1 47	3 42	2 3	22 49	6 54	16 58	0 6	23 6	0 11	0 56	2 7	22 5	0 30	17 58
S 26	12 20	25 58	2 49	4 13	2 4	22 35	6 48	17 10	0 7	23 6	0 11	0 59	2 7	22 5	0 30	17 58
M27	12 40	27 3	3 43	4 46	2 4	22 20	6 42	17 22	0 8	23 5	0 11	1 2	2 7	22 5	0 30	17 58
T 28	13 0	26 40	4 28	5 20	2 3	22 3	6 35	17 34	0 8	23 4	0 12	1 4	2 7	22 5	0 29	17 58
W29	13 20	24 46	5 0	5 56	2 2	21 45	6 27	17 46	0 9	23 3	0 12	1 7	2 7	22 5	0 29	17 58
T 30	13 40	21 24	5 15	6 33	2 0	21 26	6 18	17 58	0 9	23 3	0 12	1 9	2 8	22 4	0 29	17 57
F 31	14s 0	16s44	5s13	7s10	1n57	21s 6	6s 9	18s10	0s10	23s 2	0s12	1s12	2n 8	22s 4	0s29	17n57

Julian Day Number = 2541302.5, Delta T = 214.85 sec
Ecliptic obliquity = 23°24'32", Nutation = - 0°00'14", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 28°10'30", Lahiri = 27°17'30"

ASTRODIENST EPHEMERIS for the year 2245
geocentric

NOVEMBER 2245

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	2 41 2	8♉29°37	13♋19	24♊44	10♍R54	21♉46	12♌30	8♊5	22♌13	8♊11	7♊51	19♍R54	20♌25	6♊9	22♊57	S 1
S 2	2 44 58	9°29'30	28° 3	26°21	10♉18	22°28	12°40	8°12	22°15	8°12	7°53	19♌53	20°22	6°16	23° 6	S 2
M 3	2 48 55	10°29'24	12°V59	27°59	9°41	23°10	12°49	8°18	22°16	8°12	7°55	19°52	20°18	6°23	23°14	M 3
T 4	2 52 52	11°29'20	28° 0	29°37	9° 4	23°52	12°59	8°25	22°18	8°12	7°57	19°51	20°15	6°30	23°23	T 4
W 5	2 56 48	12°29'18	12♌57	1♉16	8°28	24°34	13° 9	8°32	22°20	8°13	8° 0	19°D51	20°12	6°36	23°31	W 5
T 6	3 0 45	13°29'18	27°41	2°55	7°52	25°16	13°19	8°38	22°22	8°13	8° 2	19°51	20° 9	6°43	23°40	T 6
F 7	3 4 41	14°29'19	12♉7	4°34	7°17	25°59	13°29	8°45	22°23	8°13	8° 4	19°51	20° 6	6°50	23°48	F 7
S 8	3 8 38	15°29'23	26° 9	6°13	6°44	26°41	13°39	8°51	22°25	8°13	8° 6	19°51	20° 3	6°56	23°57	S 8
S 9	3 12 34	16°29'29	9♌45	7°52	6°11	27°23	13°50	8°58	22°27	8°13	8° 8	19°52	19°59	7° 3	24° 5	S 9
M10	3 16 31	17°29'37	22°55	9°30	5°40	28° 6	14° 0	9° 4	22°29	8°13	8°11	19°52	19°56	7°10	24°14	M10
T 11	3 20 27	18°29'47	5♏42	11° 9	5°10	28°48	14°11	9°11	22°31	8°R13	8°13	19°52	19°53	7°16	24°22	T 11
W12	3 24 24	19°29'59	18° 8	12°47	4°43	29°30	14°21	9°17	22°33	8°13	8°15	19°52	19°50	7°23	24°30	W12
T 13	3 28 21	20°30'13	0♉18	14°25	4°17	0♊13	14°32	9°23	22°35	8°13	8°17	19°52	19°47	7°30	24°39	T 13
F 14	3 32 17	21°30'29	12°17	16° 3	3°54	0°56	14°43	9°29	22°37	8°13	8°20	19°52	19°44	7°36	24°47	F 14
S 15	3 36 14	22°30'47	24° 9	17°40	3°32	1°38	14°54	9°35	22°39	8°13	8°22	19°53	19°40	7°43	24°55	S 15
S 16	3 40 10	23°31'06	5♊58	19°18	3°13	2°21	15° 5	9°41	22°42	8°13	8°24	19°53	19°37	7°50	25° 3	S 16
M17	3 44 7	24°31'28	17°49	20°55	2°57	3° 4	15°16	9°48	22°44	8°12	8°27	19°53	19°34	7°56	25°12	M17
T 18	3 48 3	25°31'52	29°44	22°31	2°43	3°47	15°27	9°53	22°46	8°12	8°29	19°54	19°31	8° 3	25°20	T 18
W19	3 52 0	26°32'17	11♉46	24° 8	2°31	4°30	15°38	9°59	22°48	8°12	8°31	19°54	19°28	8°10	25°28	W19
T 20	3 55 56	27°32'44	23°58	25°44	2°21	5°13	15°50	10° 5	22°51	8°12	8°34	19°R54	19°24	8°16	25°36	T 20
F 21	3 59 53	28°33'13	6♊21	27°19	2°15	5°56	16° 1	10°11	22°53	8°11	8°36	19°54	19°21	8°23	25°44	F 21
S 22	4 3 50	29°33'43	18°57	28°55	2°10	6°39	16°13	10°17	22°56	8°11	8°38	19°53	19°18	8°30	25°52	S 22
S 23	4 7 46	0♊34°15	1♌45	0♊30	2°D 8	7°22	16°24	10°22	22°58	8°10	8°41	19°52	19°15	8°36	26° 0	S 23
M24	4 11 43	1°34'48	14°46	2° 5	2° 9	8° 5	16°36	10°28	23° 0	8°10	8°43	19°50	19°12	8°43	26° 8	M24
T 25	4 15 39	2°35'23	28° 2	3°40	2°12	8°48	16°48	10°34	23° 3	8°10	8°45	19°49	19° 9	8°50	26°15	T 25
W26	4 19 36	3°35'58	11♌31	5°15	2°17	9°32	17° 0	10°39	23° 6	8° 9	8°48	19°47	19° 5	8°56	26°23	W26
T 27	4 23 32	4°36'35	25°14	6°49	2°25	10°15	17°12	10°44	23° 8	8° 8	8°50	19°46	19° 2	9° 3	26°31	T 27
F 28	4 27 29	5°37'13	9♋12	8°23	2°34	10°58	17°24	10°50	23°11	8° 8	8°52	19°D46	18°59	9°10	26°39	F 28
S 29	4 31 25	6°37'52	23°22	9°57	2°46	11°42	17°36	10°55	23°14	8° 7	8°55	19°47	18°56	9°17	26°46	S 29
S 30	4 35 22	7♊38°32	7♉43	11♊31	3♉1	12♊25	17♌48	11♊0	23♌16	8♊7	8♊57	19♌48	18♌53	9♊23	26♊54	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
S 1	14s19	11s 1	4s51	7s49	1n53	20s45	5s59	18s21	0s11	23s 1	0s12	1s15	2n 8	22s 4	0s29	17n57	0s15	9s49	11n55	17n42	17n50	0n52	9s43	0s52			
S 2	14 38	4 35	4 9	8 27	1 50	20 23	5 48	18 33	0 11	23 0	0 12	1 17	2 8	22 4	0 29	17 57	0 15	9 50	11 54	17 41	17 49	0 48	9 46	0 52			
M 3	14 57	2n12	3 11	9 6	1 45	20 0	5 36	18 44	0 12	22 59	0 12	1 20	2 8	22 3	0 29	17 57	0 15	9 51	11 54	17 41	17 48	0 45	9 49	0 51			
T 4	15 16	8 54	1 58	9 45	1 40	19 37	5 24	18 55	0 12	22 59	0 12	1 22	2 8	22 3	0 29	17 57	0 15	9 51	11 54	17 41	17 47	0 42	9 52	0 51			
W 5	15 34	15 6	0 38	10 25	1 35	19 13	5 11	19 6	0 13	22 58	0 12	1 25	2 8	22 3	0 29	17 57	0 15	9 52	11 54	17 41	17 46	0 39	9 54	0 51			
T 6	15 52	20 19	0n43	11 3	1 30	18 48	4 58	19 17	0 14	22 57	0 12	1 27	2 9	22 2	0 29	17 57	0 15	9 52	11 53	17 41	17 46	0 36	9 57	0 50			
F 7	16 10	24 12	2 1	11 42	1 24	18 24	4 44	19 27	0 14	22 56	0 12	1 29	2 9	22 2	0 29	17 57	0 15	9 53	11 53	17 41	17 45	0 32	10 0	0 50			
S 8	16 27	26 29	3 8	12 21	1 18	17 59	4 30	19 38	0 15	22 55	0 12	1 32	2 9	22 2	0 29	17 57	0 15	9 53	11 53	17 41	17 44	0 29	10 3	0 50			
S 9	16 45	27 6	4 3	12 58	1 12	17 34	4 15	19 48	0 15	22 54	0 12	1 34	2 9	22 1	0 29	17 57	0 15	9 54	11 53	17 41	17 43	0 26	10 6	0 50			
M10	17 2	26 7	4 43	13 36	1 6	17 10	4 0	19 58	0 16	22 53	0 13	1 37	2 9	22 1	0 29	17 57	0 15	9 55	11 53	17 41	17 42	0 23	10 9	0 49			
T 11	17 19	23 48	5 8	14 13	1 0	16 46	3 45	20 8	0 16	22 52	0 13	1 39	2 9	22 1	0 29	17 57	0 15	9 55	11 52	17 41	17 41	0 19	10 12	0 49			
W12	17 35	20 24	5 17	14 49	0 53	16 22	3 30	20 18	0 17	22 51	0 13	1 41	2 10	22 0	0 29	17 57	0 15	9 56	11 52	17 41	17 40	0 16	10 14	0 49			
T 13	17 51	16 13	5 12	15 24	0 46	15 59	3 15	20 27	0 18	22 50	0 13	1 44	2 10	22 0	0 29	17 57	0 15	9 56	11 52	17 41	17 40	0 13	10 17	0 48			
F 14	18 7	11 28	4 54	15 59	0 40	15 37	2 59	20 37	0 18	22 49	0 13	1 46	2 10	22 0	0 29	17 57	0 15	9 57	11 52	17 41	17 39	0 10	10 20	0 48			
S 15	18 23	6 20	4 23	16 33	0 33	15 15	2 44	20 46	0 19	22 47	0 13	1 48	2 10	21 59	0 29	17 57	0 15	9 57	11 52	17 41	17 38	0 7	10 23	0 48			
S 16	18 38	1 0	3 41	17 7	0 26	14 54	2 29	20 55	0 19	22 46	0 13	1 50	2 10	21 59	0 29	17 57	0 15	9 58	11 51	17 41	17 37	0 3	10 25	0 48			
M17	18 53	4s23	2 49	17 39	0 19	14 34	2 14	21 4	0 20	22 45	0 13	1 52	2 10	21 59	0 29	17 57	0 15	9 58	11 51	17 41	17 36	0 0	10 28	0 47			
T 18	19 7	9 39	1 50	18 11	0 12	14 15	1 59	21 13	0 21	22 44	0 13	1 55	2 11	21 58	0 29	17 57	0 15	9 59	11 51	17 41	17 35	0s 3	10 31	0 47			
W19	19 21	14 38	0 45	18 41	0 6	13 57	1 44	21 22	0 21	22 43	0 13	1 57	2 11	21 58	0 29	17 57	0 15	9 59	11 51	17 42	17 34	0 6	10 34	0 47			
T 20	19 35	19 6	0s23	19 11	0s 1	13 41	1 29	21 30	0 22	22 41	0 13	1 59	2 11	21 57	0 29	17 57	0 15	10 0	11 51	17 42	17 34	0 10	10 36	0 46			
F 21	19 49	22 49	1 30	19 40	0 8	13 25	1 15	21 38	0 22	22 40	0 13	2 1	2 11	21 57	0 29	17 57	0 15	10 0	11 51	17 42	17 33	0 13	10 39	0 46			
S 22	20 2	25 31	2 34	20 8	0 15	13 10	1 1	21 46	0 23	22 39	0 13	2 3	2 11	21 57	0 29	17 57	0 15	10 1	11 50	17 41	17 32	0 16	10 42	0 46			
S 23	20 15	26 55	3 32	20 35	0 21	12 57	0 48	21 54	0 23	22 38	0 13	2 5	2 12	21 56	0 29	17 58	0 15	10 1	11 50	17 41	17 31	0 19	10 44	0 46			
M24	20 27	26 53	4 19	21 0	0 28	12 45	0 34	22 1	0 24	22 36	0 14	2 7	2 12	21 56	0 29	17 58	0 15	10 2	11 50	17 40	17 30	0 23	10 47	0 45			
T 25	20 39	25 19	4 54	21 25	0 34	12 33	0 21	22 9	0 25	22 35	0 14	2 9	2 12	21 55	0 29	17 58	0 15	10 2	11 50	17 40	17 29	0 26	10 49	0 45			
W26	20 51	22 19	5 13	21 49	0 41	12 23	0 9	22 16	0 25	22 33	0 14	2 11	2 12	21 55	0 29	17 58	0 15	10 2	11 50	17 40	17 28	0 29	10 52	0 45			
T 27	21 2	18 2	5 15	22 11	0 47	12 15	0n 3	22 23	0 26	22 32	0 14	2 13	2 12	21 54	0 29	17 58	0 15	10 3	11 50	17 39	17 27	0 32	10 55	0 45			
F 28	21 13	12 43	4 58	22 33	0 53	12 7	0 15	22 30	0 26	22 30	0 14	2 15	2 13	21 54	0 29	17 58	0 15	10 3	11 50	17 39	17 27	0 36	10 57	0 44			
S 29	21 23	6 40	4 24	22 53	0 59	12 0	0 26	22 36	0 27	22 29	0 14	2 17	2 13	21 53	0 29	17 58	0 15	10 4	11 50	17 40	17 26	0 39	11 0	0 44			
S 30	21s33	0s12	3s32	23s13	1s 5	11s55	0n37	22s42	0s27	22s27	0s14	2s18	2n13	21s53	0s29	17n59	0s15	10s 4	11n49	17n40	17n25	0s42	11s 2	0s44			

ASTRODIENST EPHEMERIS for the year 2245

geocentric

DECEMBER 2245

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	4 39 19	8°39'13	22°13	13°5	3°17	13°9	18°1	11°5	23°19	8°6	8°59	19°49	18°50	9°30	27°1	M 1
T 2	4 43 15	9°39'55	6°47	14°39	3°35	13°52	18°13	11°10	23°22	8°5	9°2	19°50	18°46	9°37	27°9	T 2
W 3	4 47 12	10°40'39	21°20	16°12	3°55	14°36	18°25	11°15	23°25	8°5	9°4	19°51	18°43	9°43	27°16	W 3
T 4	4 51 8	11°41'23	5°11	17°46	4°18	15°20	18°38	11°20	23°27	8°4	9°7	19°50	18°40	9°50	27°23	T 4
F 5	4 55 5	12°42'09	20°1	19°19	4°42	16°4	18°50	11°25	23°30	8°3	9°9	19°48	18°37	9°57	27°30	F 5
S 6	4 59 1	13°42'56	3°57	20°53	5°8	16°47	19°3	11°30	23°33	8°2	9°11	19°45	18°34	10°3	27°38	S 6
S 7	5 2 58	14°43'44	17°33	22°26	5°35	17°31	19°16	11°34	23°36	8°1	9°14	19°41	18°30	10°10	27°45	S 7
M 8	5 6 54	15°44'34	0°46	23°59	6°4	18°15	19°28	11°39	23°39	8°1	9°16	19°37	18°27	10°17	27°52	M 8
T 9	5 10 51	16°45'25	13°37	25°32	6°35	18°59	19°41	11°43	23°42	8°0	9°18	19°33	18°24	10°23	27°59	T 9
W10	5 14 48	17°46'17	26°7	27°6	7°8	19°43	19°54	11°48	23°45	7°59	9°21	19°30	18°21	10°30	28°6	W10
T 11	5 18 44	18°47'10	8°20	28°39	7°42	20°27	20°7	11°52	23°48	7°58	9°23	19°28	18°18	10°37	28°13	T 11
F 12	5 22 41	19°48'05	20°20	0°12	8°17	21°11	20°20	11°56	23°51	7°57	9°25	19°D27	18°15	10°43	28°19	F 12
S 13	5 26 37	20°49'01	2°12	1°45	8°54	21°56	20°33	12°1	23°54	7°56	9°28	19°28	18°11	10°50	28°26	S 13
S 14	5 30 34	21°49'58	14°1	3°18	9°32	22°40	20°46	12°5	23°58	7°55	9°30	19°30	18°8	10°57	28°33	S 14
M15	5 34 30	22°50'56	25°52	4°50	10°11	23°24	20°59	12°9	24°1	7°54	9°32	19°32	18°5	11°3	28°39	M15
T 16	5 38 27	23°51'56	7°50	6°23	10°52	24°8	21°12	12°13	24°4	7°53	9°35	19°33	18°2	11°10	28°46	T 16
W17	5 42 23	24°52'56	19°59	7°56	11°33	24°53	21°26	12°16	24°7	7°51	9°37	19°R34	17°59	11°17	28°52	W17
T 18	5 46 20	25°53'58	2°21	9°28	12°16	25°37	21°39	12°20	24°10	7°50	9°39	19°33	17°56	11°23	28°58	T 18
F 19	5 50 17	26°55'00	15°0	11°0	13°0	26°22	21°52	12°24	24°14	7°49	9°42	19°30	17°52	11°30	29°5	F 19
S 20	5 54 13	27°56'04	27°55	12°32	13°45	27°6	22°6	12°27	24°17	7°48	9°44	19°26	17°49	11°37	29°11	S 20
S 21	5 58 10	28°57'08	11°8	14°3	14°31	27°51	22°19	12°31	24°20	7°47	9°46	19°19	17°46	11°43	29°17	S 21
M22	6 2 6	29°58'12	24°35	15°34	15°18	28°36	22°33	12°34	24°23	7°45	9°48	19°12	17°43	11°50	29°23	M22
T 23	6 6 3	0°59'17	8°16	17°4	16°6	29°20	22°46	12°37	24°27	7°44	9°51	19°5	17°40	11°57	29°29	T 23
W24	6 9 59	2°0'23	22°6	18°33	16°54	0°5	23°0	12°40	24°30	7°43	9°53	18°59	17°36	12°3	29°35	W24
T 25	6 13 56	3°1'28	6°4	20°1	17°44	0°50	23°13	12°43	24°33	7°42	9°55	18°54	17°33	12°10	29°40	T 25
F 26	6 17 53	4°2'34	20°7	21°28	18°34	1°35	23°27	12°46	24°37	7°40	9°57	18°51	17°30	12°17	29°46	F 26
S 27	6 21 49	5°3'40	4°13	22°54	19°25	2°19	23°41	12°49	24°40	7°39	9°59	18°D50	17°27	12°23	29°52	S 27
S 28	6 25 46	6°4'47	18°21	24°18	20°17	3°4	23°54	12°52	24°44	7°38	10°2	18°50	17°24	12°30	29°57	S 28
M29	6 29 42	7°5'53	2°29	25°40	21°10	3°49	24°8	12°55	24°47	7°36	10°4	18°52	17°21	12°37	0°13	M29
T 30	6 33 39	8°6'59	16°36	27°0	22°3	4°34	24°22	12°57	24°51	7°35	10°6	18°R52	17°17	12°43	0°8	T 30
W31	6 37 35	9°8'06	0°40	28°17	22°57	5°19	24°36	13°0	24°54	7°33	10°8	18°S52	17°14	12°50	0°13	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	decl lat	decl lat
M 1	21s43	6n22	2s27	23s31	1s11	11s50	0n48	22s49	0s28	22s26	0s14	2s20	2n13	21s52	0s29	17n59
T 2	21 52	12 38	1 12	23 47	1 16	11 47	0 58	22 54	0 29	22 24	0 14	2 22	2 13	21 52	0 29	17 59
W 3	22 1	18 12	0n 8	24 3	1 22	11 44	1 8	23 0	0 29	22 23	0 14	2 24	2 14	21 51	0 29	17 59
T 4	22 10	22 40	1 27	24 17	1 27	11 43	1 18	23 6	0 30	22 21	0 14	2 25	2 14	21 51	0 29	17 59
F 5	22 17	25 40	2 39	24 31	1 32	11 42	1 27	23 11	0 30	22 19	0 14	2 27	2 14	21 50	0 29	17 59
S 6	22 25	27 0	3 39	24 42	1 37	11 43	1 35	23 16	0 31	22 18	0 14	2 29	2 14	21 50	0 29	18 0
S 7	22 32	26 39	4 26	24 53	1 42	11 44	1 44	23 21	0 31	22 16	0 15	2 30	2 15	21 49	0 29	18 0
M 8	22 39	24 47	4 57	25 2	1 46	11 46	1 52	23 25	0 32	22 14	0 15	2 32	2 15	21 49	0 29	18 0
T 9	22 45	21 42	5 12	25 10	1 50	11 49	1 59	23 29	0 32	22 12	0 15	2 33	2 15	21 48	0 29	18 0
W10	22 51	17 41	5 12	25 17	1 54	11 53	2 7	23 33	0 33	22 11	0 15	2 35	2 15	21 48	0 29	18 1
T 11	22 56	13 1	4 57	25 22	1 58	11 57	2 14	23 37	0 33	22 9	0 15	2 36	2 16	21 47	0 29	18 1
F 12	23 1	7 57	4 29	25 26	2 1	12 2	2 20	23 41	0 34	22 7	0 15	2 38	2 16	21 47	0 29	18 1
S 13	23 5	2 39	3 51	25 28	2 4	12 8	2 26	23 44	0 35	22 5	0 15	2 39	2 16	21 46	0 29	18 1
S 14	23 9	2s43	3 2	25 29	2 7	12 14	2 32	23 47	0 35	22 3	0 15	2 41	2 16	21 46	0 29	18 2
M15	23 13	8 1	2 6	25 29	2 9	12 21	2 38	23 50	0 36	22 1	0 15	2 42	2 17	21 45	0 29	18 2
T 16	23 16	13 6	1 4	25 27	2 12	12 29	2 43	23 53	0 36	21 59	0 15	2 43	2 17	21 45	0 29	18 2
W17	23 19	17 45	0s 2	25 23	2 13	12 37	2 48	23 55	0 37	21 57	0 15	2 44	2 17	21 44	0 29	18 3
T 18	23 21	21 44	1 9	25 19	2 15	12 45	2 53	23 57	0 37	21 55	0 15	2 46	2 17	21 43	0 29	18 3
F 19	23 22	24 47	2 14	25 12	2 15	12 54	2 57	23 59	0 38	21 53	0 15	2 47	2 18	21 43	0 29	18 3
S 20	23 24	26 37	3 13	25 4	2 16	13 4	3 1	24 1	0 38	21 51	0 15	2 48	2 18	21 42	0 29	18 3
S 21	23 24	26 59	4 4	24 55	2 16	13 13	3 5	24 2	0 39	21 49	0 16	2 49	2 18	21 42	0 29	18 4
M22	23 25	25 47	4 41	24 45	2 15	13 23	3 9	24 3	0 39	21 47	0 16	2 50	2 18	21 41	0 29	18 4
T 23	23 24	23 3	5 3	24 32	2 14	13 34	3 12	24 4	0 40	21 45	0 16	2 51	2 19	21 41	0 29	18 4
W24	23 24	18 59	5 8	24 19	2 13	13 45	3 15	24 5	0 40	21 43	0 16	2 52	2 19	21 40	0 29	18 5
T 25	23 22	13 51	4 55	24 4	2 10	13 56	3 18	24 5	0 41	21 41	0 16	2 53	2 19	21 39	0 29	18 5
F 26	23 21	7 58	4 24	23 48	2 7	14 7	3 21	24 5	0 41	21 38	0 16	2 54	2 19	21 39	0 29	18 5
S 27	23 19	1 39	3 37	23 30	2 4	14 18	3 23	24 5	0 42	21 36	0 16	2 55	2 20	21 38	0 29	18 6
S 28	23 16	4n46	2 37	23 11	1 59	14 30	3 25	24 5	0 42	21 34	0 16	2 56	2 20	21 38	0 29	18 6
M29	23 13	10 57	1 27	22 51	1 54	14 42	3 27	24 4	0 43	21 31	0 16	2 56	2 20	21 37	0 29	18 7
T 30	23 10	16 35	0 12	22 30	1 48	14 54	3 29	24 3	0 43	21 29	0 16	2 57	2 20	21 36	0 29	18 7
W31	23s 6	21n18	1n 3	22s 8	1s42	15s 6	3n30	24s 2	0s44	21s27	0s16	2s58	2n21	21s36	0s29	18n 7

Julian Day Number = 2541363.5, Delta T = 215.06 sec
 Ecliptic obliquity = 23°24'32, Nutation = - 0°00'14, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 28°10'38, Lahiri = 27°17'39