



Astrodienst Ephemeris Tables for the year 2240

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 2240

geocentric

JANUARY 2240

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	6 39 23	9°36'13	13°42	26°59	16°46	22°34	12°R 0	19°R44	1°3 1	23°R52	25°31	11°D49	13°16	8°45	26°R25	W 1
T 2	6 43 19	10°37'21	25°40	27°R 0	18° 1	23°13	11°54	19°340	1° 4	23°51	25°33	11°49	13°12	8°52	26°521	T 2
F 3	6 47 16	11°38'29	7°53	26°51	19°16	23°52	11°48	19°35	1° 8	23°49	25°34	11°R50	13° 9	8°59	26°17	F 3
S 4	6 51 13	12°39'37	20°24	26°29	20°31	24°31	11°42	19°30	1°12	23°47	25°36	11°50	13° 6	9° 5	26°13	S 4
S 5	6 55 9	13°40'45	3°19	25°56	21°46	25°10	11°35	19°25	1°15	23°46	25°38	11°48	13° 3	9°12	26° 9	S 5
M 6	6 59 6	14°41'53	16°42	25°11	23° 1	25°50	11°29	19°20	1°19	23°44	25°40	11°44	13° 0	9°19	26° 5	M 6
T 7	7 3 2	15°43'01	0°35	24°15	24°16	26°29	11°23	19°15	1°22	23°42	25°42	11°37	12°57	9°25	26° 1	T 7
W 8	7 6 59	16°44'08	14°58	23°10	25°31	27° 8	11°16	19°10	1°26	23°41	25°43	11°29	12°53	9°32	25°57	W 8
T 9	7 10 55	17°45'16	29°54	21°57	26°46	27°47	11° 9	19° 5	1°29	23°39	25°45	11°20	12°50	9°39	25°52	T 9
F 10	7 14 52	18°46'23	14°51	20°40	28° 1	28°26	11° 2	19° 0	1°33	23°37	25°47	11°12	12°47	9°45	25°48	F 10
S 11	7 18 49	19°47'30	0°5	19°19	29°16	29° 5	10°55	18°55	1°36	23°36	25°48	11° 5	12°44	9°52	25°44	S 11
S 12	7 22 45	20°48'37	15°16	17°58	0°31	29°44	10°48	18°50	1°40	23°34	25°50	11° 0	12°41	9°59	25°40	S 12
M13	7 26 42	21°49'44	0°15	16°40	1°46	0°23	10°41	18°45	1°43	23°32	25°52	10°57	12°38	10° 5	25°36	M13
T14	7 30 38	22°50'52	14°55	15°27	3° 2	1° 2	10°34	18°40	1°47	23°31	25°53	10°D57	12°34	10°12	25°31	T14
W15	7 34 35	23°51'59	29°11	14°20	4°17	1°41	10°26	18°36	1°50	23°29	25°55	10°58	12°31	10°19	25°27	W15
T16	7 38 31	24°53'06	13°2	13°21	5°32	2°20	10°19	18°31	1°54	23°27	25°56	10°59	12°28	10°25	25°23	T16
F17	7 42 28	25°54'13	26°29	12°32	6°47	2°59	10°11	18°26	1°57	23°26	25°58	11°R 0	12°25	10°32	25°19	F17
S18	7 46 24	26°55'20	9°35	11°52	8° 2	3°38	10° 4	18°21	2° 0	23°24	25°59	10°59	12°22	10°39	25°14	S18
S19	7 50 21	27°56'27	22°22	11°22	9°17	4°17	9°56	18°16	2° 4	23°22	26° 0	10°56	12°18	10°45	25°10	S19
M20	7 54 18	28°57'34	4°53	11° 1	10°32	4°56	9°48	18°11	2° 7	23°20	26° 2	10°51	12°15	10°52	25° 6	M20
T21	7 58 14	29°58'41	17°13	10°50	11°48	5°36	9°40	18° 6	2°11	23°19	26° 3	10°44	12°12	10°59	25° 1	T21
W22	8 2 11	0°59'47	29°22	10°D47	13° 3	6°15	9°33	18° 2	2°14	23°17	26° 4	10°37	12° 9	11° 5	24°57	W22
T23	8 6 7	2° 0'53	11°33	10°53	14°18	6°54	9°25	17°57	2°17	23°15	26° 6	10°29	12° 6	11°12	24°53	T23
F24	8 10 4	3° 1'59	23°19	11° 7	15°33	7°33	9°17	17°52	2°20	23°14	26° 7	10°22	12° 3	11°19	24°49	F24
S25	8 14 0	4° 3'04	5°10	11°27	16°48	8°12	9° 9	17°47	2°24	23°12	26° 8	10°16	11°59	11°25	24°45	S25
S26	8 17 57	5° 4'09	16°58	11°54	18° 4	8°51	9° 1	17°43	2°27	23°10	26° 9	10°11	11°56	11°32	24°40	S26
M27	8 21 53	6° 5'12	28°46	12°27	19°19	9°30	8°53	17°38	2°30	23° 9	26°11	10° 9	11°53	11°39	24°36	M27
T28	8 25 50	7° 6'15	10°35	13° 5	20°34	10°10	8°45	17°34	2°33	23° 7	26°12	10°D 8	11°50	11°45	24°32	T28
W29	8 29 47	8° 7'17	22°29	13°48	21°49	10°49	8°37	17°29	2°36	23° 5	26°13	10° 9	11°47	11°52	24°28	W29
T30	8 33 43	9° 8'18	4°31	14°35	23° 4	11°28	8°29	17°25	2°39	23° 4	26°14	10°10	11°43	11°59	24°24	T30
F31	8 37 40	10°9'18	16°44	15°26	24°31	12°7	8°21	17°20	2°43	23°2	26°15	10°12	11°40	12°5	24°20	F31

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 4	6s33	0s10	20s51	0s 7	21s51	0n54	17s48	0n36	17n45	0n37	21n37	0s21	23s36	0s12	20n40
T 2	22 59	2 51	1 14	20 34	0n10	22 0	0 52	17 59	0 36	17 47	0 37	21 38	0 20	23 36	0 12	20 40
F 3	22 54	1n 3	2 15	20 18	0 28	22 9	0 49	18 9	0 35	17 49	0 37	21 39	0 20	23 36	0 12	20 40
S 4	22 48	5 0	3 12	20 3	0 47	22 17	0 47	18 19	0 35	17 51	0 37	21 39	0 20	23 36	0 12	20 41
S 5	22 42	8 50	4 0	19 51	1 6	22 25	0 44	18 29	0 34	17 53	0 37	21 40	0 20	23 36	0 12	20 41
M 6	22 36	12 22	4 38	19 40	1 26	22 31	0 42	18 39	0 34	17 55	0 37	21 41	0 20	23 36	0 12	20 41
T 7	22 29	15 21	5 1	19 31	1 45	22 37	0 39	18 48	0 33	17 57	0 38	21 42	0 20	23 36	0 12	20 41
W 8	22 22	17 30	5 6	19 23	2 3	22 43	0 37	18 58	0 32	17 59	0 38	21 43	0 20	23 36	0 12	20 42
T 9	22 14	18 34	4 51	19 18	2 21	22 48	0 34	19 7	0 32	18 1	0 38	21 43	0 20	23 36	0 12	20 42
F 10	22 6	18 21	4 15	19 15	2 36	22 52	0 32	19 16	0 31	18 3	0 38	21 44	0 20	23 36	0 12	20 42
S 11	21 57	16 49	3 22	19 13	2 50	22 55	0 29	19 25	0 31	18 5	0 38	21 45	0 19	23 36	0 12	20 43
S 12	21 48	14 6	2 14	19 12	3 1	22 58	0 27	19 34	0 30	18 7	0 39	21 46	0 19	23 36	0 12	20 43
M13	21 38	10 28	0 57	19 13	3 10	22 59	0 24	19 43	0 30	18 9	0 39	21 47	0 19	23 36	0 12	20 43
T14	21 28	6 16	0n21	19 16	3 16	23 1	0 22	19 52	0 29	18 11	0 39	21 47	0 19	23 36	0 12	20 44
W15	21 18	1 49	1 37	19 19	3 20	23 1	0 19	20 0	0 28	18 13	0 39	21 48	0 19	23 36	0 12	20 44
T16	21 7	2s37	2 45	19 24	3 21	23 1	0 16	20 9	0 28	18 16	0 39	21 49	0 19	23 35	0 12	20 44
F17	20 56	6 46	3 41	19 29	3 21	23 0	0 14	20 17	0 27	18 18	0 39	21 50	0 19	23 35	0 12	20 44
S18	20 45	10 28	4 25	19 35	3 18	22 59	0 11	20 25	0 27	18 20	0 39	21 51	0 19	23 35	0 12	20 45
S19	20 33	13 36	4 54	19 42	3 14	22 56	0 9	20 33	0 26	18 22	0 40	21 51	0 19	23 35	0 12	20 45
M20	20 20	16 2	5 8	19 50	3 8	22 53	0 6	20 40	0 25	18 24	0 40	21 52	0 18	23 35	0 12	20 45
T21	20 8	17 41	5 8	19 58	3 1	22 50	0 3	20 48	0 25	18 27	0 40	21 53	0 18	23 35	0 12	20 46
W22	19 54	18 31	4 53	20 6	2 53	22 45	0 1	20 55	0 24	18 29	0 40	21 54	0 18	23 35	0 12	20 46
T23	19 41	18 30	4 26	20 14	2 44	22 40	0s 2	21 3	0 24	18 31	0 40	21 54	0 18	23 35	0 12	20 46
F24	19 27	17 39	3 48	20 22	2 35	22 34	0 4	21 10	0 23	18 33	0 40	21 55	0 18	23 35	0 12	20 46
S25	19 13	16 3	2 59	20 30	2 25	22 28	0 7	21 17	0 22	18 36	0 41	21 56	0 18	23 35	0 12	20 47
S26	18 58	13 46	2 3	20 38	2 15	22 21	0 9	21 23	0 22	18 38	0 41	21 56	0 18	23 35	0 12	20 47
M27	18 43	10 55	1 2	20 45	2 5	22 13	0 12	21 30	0 21	18 40	0 41	21 57	0 18	23 35	0 12	20 47
T28	18 28	7 38	0s 2	20 52	1 55	22 4	0 14	21 36	0 20	18 42	0 41	21 58	0 18	23 35	0 12	20 48
W29	18 13	4 1	1 7	20 58	1 44	21 55	0 17	21 43	0 20	18 45	0 41	21 59	0 17	23 35	0 12	20 48
T30	17 57	0 12	2 10	21 3	1 34	21 45	0 19	21 49	0 19	18 47	0 41	21 59	0 17	23 35	0 12	20 48
F31	17s40	3n41	3s 8	21s 8	1n23	21s35	0s22	21s55	0n18	18n49	0n41	22n 0	0s17	23s35	0s12	20n49

Julian Day Number = 2539202.5, Delta T = 207.51 sec
 Ecliptic obliquity = 23°24'20, Nutation = - 0°00'05, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 28°05'40, Lahiri = 27°12'41

ASTRODIENST EPHEMERIS for the year 2240
geocentric

FEBRUARY 2240

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	8 41 36	11 ¹¹ 17'17	29 ¹¹ 14	16 ²¹ 21	25 ²³ 35	12 ¹⁷ 46	8°R13	17°R16	2 ³ 46	23°R 1	26 ¹¹ 16	10 ¹¹ 14	11 ¹¹ 37	12 ¹¹ 12	24°R16	S 1
S 2	8 45 33	12°11'15	12 ¹¹ 4	17°19	26°50	13°25	8 ¹¹ 5	17 ¹¹ 12	2°49	22 ¹¹ 59	26°17	10°R14	11°34	12°19	24 ¹¹ 12	S 2
M 3	8 49 29	13°12'11	25°19	18°20	28° 5	14° 4	7°57	17° 8	2°52	22°57	26°18	10°14	11°31	12°25	24° 8	M 3
T 4	8 53 26	14°13'07	9 ¹¹ 1	19°23	29°20	14°43	7°49	17° 4	2°55	22°56	26°19	10°12	11°28	12°32	24° 4	T 4
W 5	8 57 22	15°14'01	23°11	20°29	0 ¹¹ 35	15°23	7°41	16°59	2°58	22°54	26°19	10° 9	11°24	12°39	24° 0	W 5
T 6	9 1 19	16°14'54	7 ¹¹ 48	21°37	1°50	16° 2	7°33	16°55	3° 0	22°53	26°20	10° 5	11°21	12°45	23°56	T 6
F 7	9 5 16	17°15'46	22°46	22°47	3° 5	16°41	7°25	16°52	3° 3	22°51	26°21	10° 2	11°18	12°52	23°52	F 7
S 8	9 9 12	18°16'36	7 ¹¹ 58	23°59	4°21	17°20	7°17	16°48	3° 6	22°50	26°22	9°59	11°15	12°59	23°48	S 8
S 9	9 13 9	19°17'26	23°14	25°13	5°36	17°59	7° 9	16°44	3° 9	22°48	26°23	9°58	11°12	13° 5	23°45	S 9
M10	9 17 5	20°18'14	8 ¹¹ 24	26°28	6°51	18°38	7° 2	16°40	3°12	22°47	26°23	9°D57	11° 9	13°12	23°41	M10
T 11	9 21 2	21°19'01	23°19	27°45	8° 6	19°17	6°54	16°37	3°14	22°45	26°24	9°57	11° 5	13°19	23°38	T 11
W12	9 24 58	22°19'47	7 ¹¹ 51	29° 3	9°21	19°57	6°47	16°33	3°17	22°44	26°24	9°58	11° 2	13°25	23°34	W12
T 13	9 28 55	23°20'32	21°57	0 ¹¹ 23	10°36	20°36	6°39	16°30	3°20	22°43	26°25	10° 0	10°59	13°32	23°30	T 13
F 14	9 32 51	24°21'16	5 ¹¹ 36	1°44	11°51	21°15	6°32	16°26	3°22	22°41	26°26	10° 1	10°56	13°39	23°27	F 14
S 15	9 36 48	25°21'59	18°49	3° 6	13° 6	21°54	6°25	16°23	3°25	22°40	26°26	10° 2	10°53	13°45	23°24	S 15
S 16	9 40 44	26°22'41	1 ¹¹ 39	4°30	14°22	22°33	6°17	16°20	3°28	22°38	26°27	10°R 2	10°49	13°52	23°20	S 16
M17	9 44 41	27°23'22	14° 9	5°54	15°37	23°12	6°10	16°17	3°30	22°37	26°27	10° 1	10°46	13°59	23°17	M17
T 18	9 48 38	28°24'02	26°23	7°20	16°52	23°52	6° 3	16°14	3°33	22°36	26°27	10° 0	10°43	14° 5	23°14	T 18
W19	9 52 34	29°24'41	8 ¹¹ 25	8°46	18° 7	24°31	5°57	16°11	3°35	22°34	26°28	9°58	10°40	14°12	23°11	W19
T 20	9 56 31	0 ¹¹ 25'18	20°19	10°14	19°22	25°10	5°50	16° 8	3°37	22°33	26°28	9°57	10°37	14°19	23° 8	T 20
F 21	10 0 27	1°25'54	2 ¹¹ 28	11°42	20°37	25°49	5°43	16° 5	3°40	22°32	26°28	9°56	10°34	14°25	23° 5	F 21
S 22	10 4 24	2°26'29	13°56	13°12	21°52	26°28	5°37	16° 2	3°42	22°31	26°29	9°54	10°30	14°32	23° 2	S 22
S 23	10 8 20	3°27'03	25°45	14°42	23° 7	27° 7	5°30	16° 0	3°44	22°29	26°29	9°54	10°27	14°39	22°59	S 23
M24	10 12 17	4°27'35	7 ¹¹ 36	16°14	24°22	27°46	5°24	15°57	3°46	22°28	26°29	9°D54	10°24	14°45	22°56	M24
T 25	10 16 13	5°28'05	19°32	17°46	25°37	28°26	5°18	15°55	3°49	22°27	26°29	9°54	10°21	14°52	22°54	T 25
W26	10 20 10	6°28'34	1°Y35	19°20	26°52	29° 5	5°12	15°53	3°51	22°26	26°29	9°54	10°18	14°58	22°51	W26
T 27	10 24 7	7°29'01	13°48	20°54	28° 7	29°44	5° 6	15°51	3°53	22°25	26°29	9°54	10°15	15° 5	22°48	T 27
F 28	10 28 3	8°29'26	26°11	22°30	29°22	0 ¹¹ 23	5° 1	15°49	3°55	22°24	26°R29	9°55	10°11	15°12	22°46	F 28
S 29	10 32 0	9 ¹¹ 29'49	8 ¹¹ 48	24 ¹¹ 28	0 ¹¹ 38	1 ¹¹ 2	4 ¹¹ 55	15 ¹¹ 47	3 ¹¹ 57	22 ¹¹ 23	26 ¹¹ 29	9°R55	10 ¹¹ 8	15 ¹¹ 18	22 ¹¹ 44	S 29

Day	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	
S 1	17s24	7n29 3s58	21s12 1n13	21s24 0s24	22s 1 0n17	18n51 0n41	22n 1 0s17	23s35 0s12	20n49 0s39	4s58 14n42	7n43 7n12	14s41 13n46	7s35		
S 2	17 7 11 2	4 38 21 15	1 3 21 12	0 27 22 6	0 17 18 53	0 41 22 1	0 17 23 35	0 12 20 49	0 39 4 58	14 43 7 43	7 13 14 40	13 47 7 35			
M 3	16 50 14 8	5 4 21 17	0 53 20 59	0 29 22 12	0 16 18 56	0 42 22 2	0 17 23 35	0 12 20 49	0 38 4 58	14 43 7 43	7 14 14 39	13 47 7 35			
T 4	16 32 16 35	5 15 21 18	0 43 20 46	0 31 22 17	0 15 18 58	0 42 22 3	0 17 23 35	0 12 20 50	0 38 4 58	14 43 7 44	7 15 14 38	13 48 7 34			
W 5	16 15 18 8	5 7 21 18	0 33 20 33	0 34 22 22	0 14 19 0	0 42 22 3	0 17 23 35	0 12 20 50	0 38 4 57	14 44 7 45	7 17 14 36	13 49 7 34			
T 6	15 57 18 32	4 39 21 17	0 23 20 18	0 36 22 27	0 14 19 2	0 42 22 4	0 16 23 35	0 12 20 50	0 38 4 57	14 44 7 46	7 18 14 35	13 50 7 34			
F 7	15 38 17 41	3 52 21 15	0 14 20 3	0 38 22 31	0 13 19 4	0 42 22 4	0 16 23 34	0 12 20 50	0 38 4 57	14 45 7 48	7 19 14 34	13 51 7 34			
S 8	15 20 15 33	2 48 21 12	0 5 19 48	0 40 22 36	0 12 19 6	0 42 22 5	0 16 23 34	0 12 20 51	0 38 4 57	14 45 7 49	7 20 14 33	13 52 7 33			
S 9	15 1 12 19	1 31 21 7	0s 4 19 32	0 42 22 40	0 11 19 8	0 42 22 6	0 16 23 34	0 12 20 51	0 38 4 56	14 46 7 49	7 21 14 32	13 53 7 33			
M10	14 42 8 17	0 9 21 2	0 12 19 15	0 44 22 45	0 11 19 10	0 42 22 6	0 16 23 34	0 12 20 51	0 38 4 56	14 46 7 50	7 23 14 31	13 54 7 33			
T 11	14 23 3 46	1n13 20 55	0 21 18 58	0 47 22 49	0 10 19 12	0 42 22 7	0 16 23 34	0 12 20 52	0 38 4 56	14 46 7 50	7 24 14 30	13 55 7 32			
W12	14 3 0s50	2 28 20 47	0 29 18 40	0 49 22 52	0 9 19 14	0 42 22 7	0 16 23 34	0 12 20 52	0 38 4 55	14 47 7 49	7 25 14 29	13 55 7 32			
T 13	13 43 5 15	3 32 20 38	0 37 18 22	0 51 22 56	0 8 19 16	0 42 22 8	0 16 23 34	0 12 20 52	0 38 4 55	14 47 7 49	7 26 14 28	13 56 7 32			
F 14	13 23 9 15	4 22 20 28	0 44 18 3	0 53 23 3	0 7 19 18	0 43 22 8	0 15 23 34	0 12 20 52	0 38 4 55	14 48 7 48	7 27 14 26	13 57 7 31			
S 15	13 3 12 39	4 56 20 16	0 52 17 44	0 54 23 3	0 7 19 20	0 43 22 9	0 15 23 34	0 12 20 53	0 38 4 54	14 48 7 48	7 29 14 25	13 58 7 31			
S 16	12 42 15 20	5 14 20 4	0 59 17 24	0 56 23 6	0 6 19 22	0 43 22 9	0 15 23 34	0 12 20 53	0 38 4 54	14 49 7 48	7 30 14 24	13 59 7 31			
M17	12 22 17 14	5 16 19 50	1 5 17 4	0 58 23 9	0 5 19 24	0 43 22 10	0 15 23 34	0 12 20 53	0 38 4 54	14 49 7 48	7 31 14 23	14 0 7 30			
T 18	12 1 18 17	5 4 19 34	1 12 16 43	1 0 23 12	0 4 19 25	0 43 22 10	0 15 23 34	0 12 20 53	0 38 4 53	14 50 7 49	7 32 14 22	14 1 7 30			
W19	11 40 18 30	4 39 19 18	1 18 16 21	1 2 23 14	0 3 19 27	0 43 22 11	0 15 23 34	0 12 20 53	0 38 4 53	14 50 7 49	7 33 14 21	14 2 7 29			
T 20	11 18 17 53	4 2 19 0	1 24 16 0	1 3 23 17	0 2 19 29	0 43 22 11	0 15 23 34	0 12 20 54	0 38 4 53	14 51 7 50	7 35 14 20	14 3 7 29			
F 21	10 57 16 29	3 15 18 41	1 29 15 37	1 5 23 19	0 1 19 31	0 43 22 12	0 15 23 34	0 13 20 54	0 38 4 52	14 51 7 50	7 36 14 18	14 4 7 28			
S 22	10 35 14 24	2 19 18 21	1 34 15 15	1 6 23 21	0 1 19 32	0 43 22 12	0 14 23 34	0 13 20 54	0 38 4 52	14 51 7 51	7 37 14 17	14 5 7 28			
S 23	10 14 11 42	1 18 17 59	1 39 14 52	1 8 23 23	0s 0 19 34	0 43 22 13	0 14 23 34	0 13 20 54	0 38 4 51	14 52 7 51	7 38 14 16	14 5 7 28			
M24	9 52 8 31	0 13 17 36	1 44 14 28	1 9 23 24	0 1 19 35	0 43 22 13	0 14 23 34	0 13 20 55	0 38 4 51	14 52 7 51	7 39 14 15	14 6 7 27			
T 25	9 30 4 57	0s53 17 12	1 48 14 4	1 11 23 26	0 2 19 37	0 43 22 14	0 14 23 34	0 13 20 55	0 38 4 51	14 53 7 51	7 41 14 14	14 7 7 27			
W26	9 7 1 10	1 58 16 46	1 52 13 40	1 12 23 27	0 3 19 38	0 43 22 14	0 14 23 34	0 13 20 55	0 38 4 50	14 53 7 51	7 42 14 13	14 8 7 26			
T 27	8 45 2n42	2 58 16 20	1 55 13 15	1 13 23 28	0 4 19 40	0 43 22 14	0 14 23 34	0 13 20 55	0 38 4 50	14 54 7 51	7 43 14 11	14 9 7 26			
F 28	8 22 6 31	3 50 15 52	1 59 12 50	1 15 23 29	0 5 19 41	0 43 22 15	0 14 23 34	0 13 20 55	0 38 4 49	14 54 7 51	7 44 14 10	14 10 7 25			
S 29	8s 0 10n 6	4s33 15s23	2s 1 12s25	1s16 23s30	0s 6 19n43	0n43 22n15	0s14 23s33	0s13 20n56	0s38 4s49	14n55 7n51	7n45 14s 9	14n11 7s25			

Julian Day Number = 2539233.5, Delta T = 207.62 sec
Ecliptic obliquity = 23°24'20, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 28°05'44, Lahiri = 27°12'45

ASTRODIENST EPHEMERIS for the year 2240
geocentric

MARCH 2240

00:00 UT

Day	Sid.t	☉	☾	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	10 35 56	10♈30'11	21♌42	25♍43	1♋53	1♌41	4°R50	15°R45	3♊59	22°R22	26°R29	9°R55	10♎5	15♍25	22°R41	S 1
M 2	10 39 53	11°30'31	4♏55	27°22	3° 8	2°20	4♏44	15°R43	4° 1	22°R21	26♎29	9°D55	10° 2	15°32	22°R39	M 2
T 3	10 43 49	12°30'48	18°29	29° 1	4°22	2°59	4°39	15°42	4° 3	22°20	26°29	9♎55	9°59	15°38	22°37	T 3
W 4	10 47 46	13°31'04	2♌25	0♋41	5°37	3°38	4°35	15°40	4° 5	22°19	26°29	9°55	9°55	15°45	22°35	W 4
T 5	10 51 42	14°31'17	16°43	2°22	6°52	4°17	4°30	15°39	4° 6	22°18	26°29	9°55	9°52	15°52	22°33	T 5
F 6	10 55 39	15°31'29	1♏21	4° 5	8° 7	4°56	4°25	15°37	4° 8	22°17	26°29	9°56	9°49	15°58	22°31	F 6
S 7	10 59 36	16°31'39	16°14	5°48	9°22	5°35	4°21	15°36	4°10	22°16	26°28	9°56	9°46	16° 5	22°29	S 7
S 8	11 3 32	17°31'46	1♎15	7°32	10°37	6°14	4°17	15°35	4°11	22°15	26°28	9°56	9°43	16°12	22°28	S 8
M 9	11 7 29	18°31'52	16°17	9°18	11°52	6°53	4°13	15°34	4°13	22°15	26°28	9°R56	9°40	16°18	22°26	M 9
T 10	11 11 25	19°31'55	1♌11	11° 4	13° 7	7°32	4° 9	15°33	4°14	22°14	26°27	9°56	9°36	16°25	22°24	T 10
W 11	11 15 22	20°31'57	15°48	12°52	14°22	8°11	4° 5	15°33	4°16	22°13	26°27	9°55	9°33	16°32	22°23	W 11
T 12	11 19 18	21°31'57	0♎3	14°41	15°37	8°50	4° 2	15°32	4°17	22°12	26°27	9°54	9°30	16°38	22°22	T 12
F 13	11 23 15	22°31'56	13°52	16°31	16°52	9°29	3°58	15°31	4°19	22°12	26°26	9°52	9°27	16°45	22°20	F 13
S 14	11 27 11	23°31'53	27°14	18°22	18° 6	10° 8	3°55	15°31	4°20	22°11	26°26	9°51	9°24	16°52	22°19	S 14
S 15	11 31 8	24°31'48	10♌11	20°14	19°21	10°47	3°52	15°31	4°21	22°10	26°25	9°49	9°20	16°58	22°18	S 15
M 16	11 35 5	25°31'42	22°45	22° 7	20°36	11°26	3°50	15°30	4°23	22°10	26°25	9°D49	9°17	17° 5	22°17	M 16
T 17	11 39 1	26°31'34	5♊0	24° 1	21°51	12° 5	3°47	15°D30	4°24	22° 9	26°24	9°49	9°14	17°12	22°16	T 17
W 18	11 42 58	27°31'24	17° 2	25°57	23° 6	12°44	3°45	15°30	4°25	22° 9	26°23	9°50	9°11	17°18	22°16	W 18
T 19	11 46 54	28°31'13	28°54	27°53	24°21	13°23	3°42	15°31	4°26	22° 8	26°23	9°51	9° 8	17°25	22°15	T 19
F 20	11 50 51	29°31'00	10♌42	29°50	25°35	14° 2	3°40	15°31	4°27	22° 8	26°22	9°53	9° 5	17°32	22°14	F 20
S 21	11 54 47	0♐30'45	22°29	1♐49	26°50	14°41	3°39	15°31	4°28	22° 7	26°21	9°54	9° 1	17°38	22°14	S 21
S 22	11 58 44	1°30'28	4♋20	3°48	28° 5	15°19	3°37	15°32	4°29	22° 7	26°21	9°R55	8°58	17°45	22°13	S 22
M 23	12 2 40	2°30'10	16°17	5°47	29°20	15°58	3°36	15°32	4°30	22° 7	26°20	9°55	8°55	17°52	22°13	M 23
T 24	12 6 37	3°29'49	28°23	7°48	0♐34	16°37	3°34	15°33	4°31	22° 6	26°19	9°54	8°52	17°58	22°13	T 24
W 25	12 10 33	4°29'27	10♐39	9°48	1°49	17°16	3°33	15°34	4°32	22° 6	26°18	9°52	8°49	18° 5	22°13	W 25
T 26	12 14 30	5°29'02	23° 8	11°49	3° 4	17°54	3°33	15°35	4°32	22° 6	26°17	9°48	8°46	18°11	22°D13	T 26
F 27	12 18 27	6°28'35	5♌49	13°50	4°18	18°33	3°32	15°36	4°33	22° 6	26°16	9°44	8°42	18°18	22°13	F 27
S 28	12 22 23	7°28'07	18°43	15°50	5°33	19°12	3°31	15°37	4°34	22° 5	26°16	9°39	8°39	18°25	22°13	S 28
S 29	12 26 20	8°27'36	1♏52	17°50	6°48	19°51	3°31	15°38	4°34	22° 5	26°15	9°35	8°36	18°31	22°13	S 29
M 30	12 30 16	9°27'03	15°14	19°49	8° 2	20°29	3°D31	15°40	4°35	22° 5	26°14	9°32	8°33	18°38	22°14	M 30
T 31	12 34 13	10♐26'27	28♏50	21♐47	9♐17	21♊8	3♏31	15°R41	4♊35	22°R5	26♎13	9♎30	8♎30	18♌45	22°R14	T 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	decl	lat
S 1	7s37	13n18	5s 2	14s52	2s 4	11s59	1s17	23s31	0s 7	19n44	0n43	22n15	0s13	23s33	0s13	20n56	0s38	4s48	14n55	7n51	7n47	14s 8	14n12	7s24		
M 2	7 14	15 53	5 17	14 21	2 6	11 33	1 18	23 31	0 8	19 45	0 43	22 16	0 13	23 33	0 13	20 56	0 38	4 48	14 55	7 51	7 48	14 7	14 13	7 24		
T 3	6 51	17 41	5 15	13 48	2 7	11 7	1 19	23 31	0 9	19 46	0 43	22 16	0 13	23 33	0 13	20 56	0 38	4 48	14 56	7 51	7 49	14 6	14 13	7 23		
W 4	6 28	18 29	4 54	13 13	2 9	10 41	1 20	23 31	0 10	19 48	0 43	22 16	0 13	23 33	0 13	20 56	0 38	4 47	14 56	7 51	7 50	14 4	14 14	7 23		
T 5	6 5	18 9	4 15	12 38	2 10	10 14	1 21	23 31	0 11	19 49	0 43	22 17	0 13	23 33	0 13	20 57	0 38	4 47	14 57	7 50	7 51	14 3	14 15	7 22		
F 6	5 42	16 36	3 19	12 1	2 10	9 46	1 22	23 31	0 12	19 50	0 43	22 17	0 13	23 33	0 13	20 57	0 38	4 46	14 57	7 50	7 53	14 2	14 16	7 21		
S 7	5 19	13 55	2 8	11 23	2 10	9 19	1 22	23 30	0 13	19 51	0 43	22 17	0 13	23 33	0 13	20 57	0 38	4 46	14 58	7 50	7 54	14 1	14 17	7 21		
S 8	4 55	10 16	0 48	10 44	2 9	8 51	1 23	23 30	0 14	19 52	0 43	22 17	0 13	23 33	0 13	20 57	0 38	4 45	14 58	7 50	7 55	14 0	14 18	7 20		
M 9	4 32	5 57	0n35	10 3	2 9	8 23	1 24	23 29	0 15	19 53	0 43	22 18	0 12	23 33	0 13	20 57	0 38	4 45	14 58	7 50	7 56	13 59	14 18	7 20		
T 10	4 8	1 18	1 55	9 22	2 7	7 55	1 24	23 28	0 16	19 54	0 43	22 18	0 12	23 33	0 13	20 57	0 38	4 44	14 59	7 50	7 57	13 57	14 19	7 19		
W 11	3 45	3s20	3 6	8 39	2 5	7 27	1 25	23 26	0 17	19 55	0 43	22 18	0 12	23 33	0 13	20 58	0 38	4 44	14 59	7 50	7 59	13 56	14 20	7 19		
T 12	3 21	7 40	4 4	7 55	2 3	6 58	1 25	23 25	0 18	19 55	0 43	22 18	0 12	23 33	0 13	20 58	0 38	4 43	15 0	7 51	8 0	13 55	14 21	7 18		
F 13	2 58	11 26	4 45	7 10	2 0	6 30	1 26	23 23	0 19	19 56	0 43	22 18	0 12	23 33	0 13	20 58	0 38	4 43	15 0	7 52	8 1	13 54	14 22	7 17		
S 14	2 34	14 29	5 9	6 23	1 57	6 1	1 26	23 22	0 21	19 57	0 43	22 19	0 12	23 33	0 13	20 58	0 37	4 42	15 1	7 52	8 2	13 53	14 22	7 17		
S 15	2 10	16 43	5 17	5 36	1 53	5 32	1 26	23 20	0 22	19 58	0 43	22 19	0 12	23 33	0 13	20 58	0 37	4 42	15 1	7 53	8 3	13 51	14 23	7 16		
M 16	1 46	18 4	5 9	4 47	1 49	5 2	1 26	23 18	0 23	19 58	0 43	22 19	0 12	23 33	0 13	20 58	0 37	4 41	15 1	7 53	8 5	13 50	14 24	7 16		
T 17	1 23	18 32	4 47	3 58	1 44	4 33	1 26	23 15	0 24	19 59	0 43	22 19	0 11	23 33	0 13	20 58	0 37	4 41	15 2	7 53	8 6	13 49	14 25	7 15		
W 18	0 59	18 9	4 13	3 7	1 38	4 4	1 26	23 13	0 25	19 59	0 43	22 19	0 11	23 33	0 13	20 58	0 37	4 40	15 2	7 52	8 7	13 48	14 25	7 14		
T 19	0 35	16 57	3 28	2 15	1 33	3 34	1 26	23 10	0 26	20 0	0 43	22 19	0 11	23 33	0 13	20 59	0 37	4 40	15 3	7 52	8 8	13 46	14 26	7 14		
F 20	0 12	15 3	2 35	1 23	1 26	3 4	1 26	23 7	0 27	20 0	0 43	22 19	0 11	23 33	0 13	20 59	0 37	4 39	15 3	7 51	8 9	13 45	14 27	7 13		
S 21	0n12	12 30	1 35	0 29	1 19	2 35	1 26	23 4	0 29	20 1	0 43	22 19	0 11	23 33	0 13	20 59	0 37	4 39	15 3	7 51	8 11	13 44	14 28	7 12		
S 22	0 36	9 26	0 31	0n25	1 11	2 5	1 26	23 1	0 30	20 1	0 43	22 19	0 11	23 33	0 13	20 59	0 37	4 38	15 4	7 50	8 12	13 43	14 28	7 12		
M 23	1 0	5 57	0s35	1 20	1 3	1 35	1 26	22 58	0 31	20 2	0 43	22 19	0 11	23 33	0 13	20 59	0 37	4 38	15 4	7 50	8 13	13 42	14 29	7 11		
T 24	1 23	2 11	1 40	2 15	0 55	1 5	1 25	22 55	0 32	20 2	0 43	22 20	0 11	23 33	0 13	20 59	0 37	4 37	15 4	7 51	8 14	13 40	14 30	7 10		
W 25	1 47	1n44	2 41	3 11	0 46	0 35	1 25	22 51	0 34	20 2	0 43	22 20	0 11	23 33	0 13	20 59	0 37	4 37	15 5	7 52	8 15	13 39	14 30	7 10		
T 26	2 11	5 38	3 36	4 7	0 36	0 5	1 25	22 47	0 35	20 2	0 43	22 20	0 10	23 33	0 13	20 59	0 37	4 36	15 5	7 53	8 16	13 38	14 31	7 9		
F 27	2 34	9 20	4 21	5 3	0 26	0n25	1 24	22 43	0 36	20 2	0 43	22 20	0 10	23 33	0 13	20 59	0 37	4 36	15 5	7 55	8 18	13 37	14 31	7 9		
S 28	2 58	12 40	4 53	5 59	0 15	0 56	1 23	22 39	0 37	20 2	0 43	22 20	0 10	23 33	0 13	20 59	0 37	4 35	15 6	7 56	8 19	13 35	14 32	7 8		
S 29	3 21	15 26	5 11	6 55	0 4	1 26	1 23	22 35	0 39	20 2	0 43	22 19	0 10	23 33	0 13	20 59	0 37	4 34	15 6	7 58	8 20	13 34	14 33	7 7		
M 30	3 44	17 25	5 12	7 51	0n 7	1 56	1 22	22 30	0 40	20 2	0 43	22 19	0 10	23 33	0 13	20 59	0 37	4 34	15 6	7 59	8 21	13 33	14 33	7 7		
T 31	4n 8	18n28	4s56	8n45	0n18	2n26	1s21	22s26	0s41	20n 2	0n43	22n19	0s10	23s33	0s13	20n59	0s37	4s33	15n 7	8n 0	8n22	13s32	14n34	7s 6		

ASTRODIENST EPHEMERIS for the year 2240
geocentric

APRIL 2240

00:00 UT

Day	Sid.t	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day	
W 1	12 38 9	11°25'50	12°41	23°43	10°32	21°46	22°25	3°32	15°44	4°36	22°R 5	26°R12	9°D29	8°26	18°51	22°15	W 1
T 2	12 42 6	12°25'10	26°46	25°37	11°46	22°25	3°32	15°44	4°36	22°D 5	26°M11	9°M30	8°23	18°58	22°15	T 2	
F 3	12 46 2	13°24'27	11°18	27°28	13° 1	23° 4	3°33	15°46	4°36	22°S 5	26° 9	9°31	8°20	19° 5	22°16	F 3	
S 4	12 49 59	14°23'42	25°33	29°17	14°15	23°42	3°34	15°48	4°36	22° 5	26° 8	9°33	8°17	19°11	22°17	S 4	
S 5	12 53 56	15°22'55	10°29	18° 3	15°30	24°21	3°35	15°50	4°37	22° 5	26° 7	9°R33	8°14	19°18	22°18	S 5	
M 6	12 57 52	16°22'06	24°48	2°45	16°44	24°59	3°36	15°52	4°37	22° 5	26° 6	9°32	8°11	19°25	22°19	M 6	
T 7	13 1 49	17°21'14	9°23	4°23	17°59	25°37	3°38	15°55	4°37	22° 5	26° 5	9°30	8° 7	19°31	22°20	T 7	
W 8	13 5 45	18°20'21	23°48	5°56	19°13	26°16	3°39	15°57	4°R37	22° 5	26° 4	9°25	8° 4	19°38	22°21	W 8	
T 9	13 9 42	19°19'25	7°15	7°25	20°28	26°54	3°41	15°59	4°37	22° 6	26° 2	9°19	8° 1	19°45	22°23	T 9	
F 10	13 13 38	20°18'28	21°45	8°49	21°42	27°32	3°43	16° 2	4°37	22° 6	26° 1	9°13	7°58	19°51	22°24	F 10	
S 11	13 17 35	21°17'29	5°10	10° 8	22°56	28°11	3°45	16° 4	4°37	22° 6	26° 0	9° 6	7°55	19°58	22°26	S 11	
S 12	13 21 31	22°16'27	18°10	11°21	24°11	28°49	3°48	16° 7	4°37	22° 6	25°59	9° 0	7°51	20° 5	22°27	S 12	
M13	13 25 28	23°15'25	0°34	12°28	25°25	29°27	3°50	16°10	4°36	22° 7	25°57	8°56	7°48	20°11	22°29	M13	
T 14	13 29 25	24°14'20	13° 6	13°30	26°39	0°35	3°53	16°13	4°36	22° 7	25°56	8°53	7°45	20°18	22°31	T 14	
W15	13 33 21	25°13'14	25° 9	14°26	27°54	0°44	3°56	16°16	4°36	22° 8	25°55	8°D52	7°42	20°25	22°33	W15	
T 16	13 37 18	26°12'06	7°3	15°16	29° 8	1°22	3°59	16°19	4°36	22° 8	25°53	8°53	7°39	20°31	22°35	T 16	
F 17	13 41 14	27°10'56	18°51	15°59	0°82	2° 0	4° 2	16°22	4°35	22° 9	25°52	8°54	7°36	20°38	22°37	F 17	
S 18	13 45 11	28° 9'44	0°39	16°36	1°37	2°38	4° 6	16°26	4°35	22° 9	25°50	8°56	7°32	20°44	22°39	S 18	
S 19	13 49 7	29° 8'31	12°33	17° 7	2°51	3°16	4° 9	16°29	4°34	22°10	25°49	8°R56	7°29	20°51	22°41	S 19	
M20	13 53 4	0° 7'16	24°36	17°32	4° 5	3°54	4°13	16°33	4°34	22°10	25°47	8°54	7°26	20°58	22°43	M20	
T 21	13 57 0	1° 5'59	6°52	17°50	5°20	4°32	4°17	16°36	4°33	22°11	25°46	8°51	7°23	21° 4	22°46	T 21	
W22	14 0 57	2° 4'40	19°22	18° 2	6°34	5° 9	4°21	16°40	4°32	22°11	25°45	8°45	7°20	21°11	22°48	W22	
T 23	14 4 53	3° 3'19	2° 9	18°R 8	7°48	5°47	4°26	16°44	4°32	22°12	25°43	8°37	7°17	21°18	22°51	T 23	
F 24	14 8 50	4° 1'57	15°12	18° 8	9° 2	6°25	4°30	16°48	4°31	22°13	25°41	8°28	7°13	21°24	22°53	F 24	
S 25	14 12 47	5° 0'33	28°30	18° 2	10°16	7° 2	4°35	16°52	4°30	22°14	25°40	8°18	7°10	21°31	22°56	S 25	
S 26	14 16 43	5°59'06	12°11	17°51	11°30	7°40	4°40	16°56	4°29	22°14	25°38	8° 8	7° 7	21°38	22°59	S 26	
M27	14 20 40	6°57'38	25°43	17°34	12°45	8°17	4°44	17° 0	4°28	22°15	25°37	8° 1	7° 4	21°44	23° 2	M27	
T 28	14 24 36	7°56'07	9°34	17°13	13°59	8°55	4°50	17° 4	4°27	22°16	25°35	7°55	7° 1	21°51	23° 5	T 28	
W29	14 28 33	8°54'35	23°31	16°47	15°13	9°32	4°55	17° 9	4°26	22°17	25°34	7°52	6°57	21°58	23° 8	W29	
T 30	14 32 29	9°53'00	7°13	16°18	16°27	10°10	5°10	17°13	4°25	22°18	25°33	7°D51	6°54	22°3	23°11	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
W 1	4n31	18n27	4s23	9n39	0n30	2n56	1s20	22s21	0s43	20n 2	0n43	22n19	0s10	23s33	0s13	20n59	0s37	4s33	15n 7	8n 0	8n24	13s30	14n34	7s 5	
T 2	4 54	17 17	3 33	10 32	0 42	3 26	1 20	22 16	0 44	20 2	0 43	22 19	0 10	23 33	0 13	20 59	0 37	4 32	15 7	8 0	8 25	13 29	14 35	7 5	
F 3	5 17	15 2	2 30	11 24	0 54	3 55	1 19	22 11	0 45	20 2	0 43	22 19	0 9	23 33	0 13	21 0	0 37	4 32	15 8	7 59	8 26	13 28	14 36	7 4	
S 4	5 40	11 48	1 16	12 13	1 5	4 25	1 18	22 6	0 47	20 2	0 43	22 19	0 9	23 33	0 13	21 0	0 37	4 31	15 8	7 59	8 27	13 27	14 36	7 3	
S 5	6 3	7 48	0n 3	13 2	1 17	4 55	1 17	22 1	0 48	20 1	0 43	22 19	0 9	23 33	0 13	21 0	0 37	4 31	15 8	7 59	8 28	13 25	14 37	7 3	
M 6	6 26	3 19	1 22	13 48	1 29	5 24	1 15	21 55	0 50	20 1	0 43	22 19	0 9	23 33	0 13	21 0	0 37	4 30	15 9	7 59	8 30	13 24	14 37	7 2	
T 7	6 48	1s20	2 35	14 32	1 40	5 54	1 14	21 49	0 51	20 1	0 43	22 19	0 9	23 33	0 13	21 0	0 37	4 30	15 9	8 0	8 31	13 23	14 37	7 1	
W 8	7 11	5 51	3 38	15 13	1 51	6 23	1 13	21 44	0 52	20 0	0 43	22 18	0 9	23 33	0 13	21 0	0 37	4 29	15 9	8 2	8 32	13 22	14 38	7 1	
T 9	7 33	9 57	4 25	15 52	2 1	6 52	1 12	21 38	0 54	20 0	0 43	22 18	0 9	23 33	0 13	21 0	0 37	4 29	15 9	8 4	8 33	13 20	14 38	7 0	
F 10	7 55	13 25	4 56	16 29	2 11	7 21	1 10	21 32	0 55	19 59	0 43	22 18	0 9	23 33	0 13	21 0	0 37	4 28	15 10	8 6	8 34	13 19	14 39	6 59	
S 11	8 18	16 3	5 9	17 2	2 20	7 50	1 9	21 26	0 57	19 59	0 43	22 18	0 9	23 33	0 14	21 0	0 37	4 28	15 10	8 9	8 35	13 18	14 39	6 59	
S 12	8 40	17 48	5 6	17 33	2 28	8 19	1 8	21 19	0 58	19 58	0 43	22 18	0 8	23 33	0 14	21 0	0 37	4 27	15 10	8 11	8 37	13 16	14 40	6 58	
M13	9 1	18 36	4 48	18 1	2 35	8 47	1 6	21 13	1 0	19 57	0 43	22 17	0 8	23 33	0 14	21 0	0 37	4 27	15 10	8 13	8 38	13 15	14 40	6 57	
T 14	9 23	18 30	4 17	18 27	2 42	9 16	1 5	21 6	1 1	19 57	0 43	22 17	0 8	23 33	0 14	20 59	0 37	4 26	15 11	8 14	8 39	13 14	14 40	6 57	
W15	9 45	17 33	3 35	18 49	2 48	9 44	1 3	20 59	1 3	19 56	0 43	22 17	0 8	23 33	0 14	20 59	0 37	4 26	15 11	8 14	8 40	13 13	14 41	6 56	
T 16	10 6	15 50	2 44	19 8	2 52	10 12	1 1	20 53	1 5	19 55	0 43	22 17	0 8	23 33	0 14	20 59	0 36	4 25	15 11	8 14	8 41	13 11	14 41	6 56	
F 17	10 27	13 28	1 47	19 24	2 56	10 39	1 0	20 46	1 6	19 55	0 43	22 16	0 8	23 33	0 14	20 59	0 36	4 25	15 11	8 13	8 43	13 10	14 41	6 55	
S 18	10 48	10 32	0 45	19 37	2 58	11 7	0 58	20 39	1 8	19 54	0 43	22 16	0 8	23 33	0 14	20 59	0 36	4 24	15 11	8 13	8 44	13 9	14 42	6 54	
S 19	11 9	7 9	0s20	19 47	2 59	11 34	0 56	20 31	1 9	19 53	0 43	22 16	0 8	23 33	0 14	20 59	0 36	4 24	15 12	8 13	8 45	13 7	14 42	6 54	
M20	11 30	3 25	1 24	19 54	2 59	12 1	0 54	20 24	1 11	19 52	0 42	22 15	0 8	23 33	0 14	20 59	0 36	4 23	15 12	8 13	8 46	13 6	14 42	6 53	
T 21	11 50	0n30	2 25	19 58	2 58	12 27	0 52	20 17	1 13	19 51	0 42	22 15	0 7	23 33	0 14	20 59	0 36	4 23	15 12	8 15	8 47	13 5	14 42	6 52	
W22	12 11	4 29	3 20	19 59	2 55	12 54	0 50	20 9	1 14	19 50	0 42	22 15	0 7	23 33	0 14	20 59	0 36	4 22	15 12	8 17	8 48	13 4	14 43	6 52	
T 23	12 31	8 21	4 6	19 57	2 51	13 20	0 49	20 2	1 16	19 49	0 42	22 14	0 7	23 33	0 14	20 59	0 36	4 22	15 12	8 20	8 50	13 2	14 43	6 51	
F 24	12 51	11 54	4 41	19 52	2 46	13 45	0 47	19 54	1 18	19 48	0 42	22 14	0 7	23 34	0 14	20 59	0 36	4 21	15 12	8 23	8 51	13 1	14 43	6 51	
S 25	13 10	14 54	5 1	19 44	2 39	14 10	0 45	19 46	1 19	19 47	0 42	22 14	0 7	23 34	0 14	20 59	0 36	4 21	15 13	8 27	8 52	13 0	14 43	6 50	
S 26	13 30	17 10	5 4	19 33	2 31	14 35	0 42	19 38	1 21	19 45	0 42	22 13	0 7	23 34	0 14	20 59	0 36	4 20	15 13	8 30	8 53	12 58	14 43	6 49	
M27	13 49	18 29	4 51	19 19	2 21	15 0	0 40	19 30	1 23	19 44	0 42	22 13	0 7	23 34	0 14	20 59	0 36	4 20	15 13	8 33	8 54	12 57	14 43	6 49	
T 28	14 8	18 44	4 20	19 2	2 11	15 24	0 38	19 22	1 25	19 43	0 42	22 12	0 7	23 34	0 14	20 58	0 36	4 19	15 13	8 35	8 56	12 56	14 43	6 48	
W29	14 27	17 51	3 34	18 43	1 59	15 48	0 36	19 14	1 26	19 42	0 42	22 12	0 7	23 34	0 14	20 58	0 36	4 19	15 13	8 36	8 57	12 54	14 44	6 47	
T 30	14n45	15n52	2s34	18n22	1n45	16n11	0s34	19s 5	1s28	19n40	0n42	22n11	0s 6	23s34	0s14	20n58	0s36	4s18	15n13	8n37	8n58	12s53	14n44	6s47	

ASTRODIENST EPHEMERIS for the year 2240
geocentric

MAY 2240

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
F 1	14 36 26	10♌51°23	21♌42	15°R45	17♌41	10♌47	5♌ 6	17♌18	4°R24	22♌19	25°R31	7♎51	6♎51	22♌11	23♌15	F 1
S 2	14 40 22	11°49'43	5♎53	15♌ 9	18°55	11°24	5°12	17°22	4♌23	22°20	25♎29	7°R52	6°48	22°18	23°18	S 2
S 3	14 44 19	12°48'02	20° 6	14°32	20° 9	12° 1	5°18	17°27	4°22	22°21	25°27	7°51	6°45	22°24	23°21	S 3
M 4	14 48 16	13°46'19	4♌19	13°54	21°23	12°38	5°24	17°32	4°21	22°22	25°26	7°49	6°42	22°31	23°25	M 4
T 5	14 52 12	14°44'33	18°29	13°15	22°37	13°15	5°30	17°36	4°19	22°23	25°24	7°44	6°38	22°38	23°28	T 5
W 6	14 56 9	15°42'46	2♎30	12°36	23°51	13°52	5°36	17°41	4°18	22°24	25°22	7°36	6°35	22°44	23°32	W 6
T 7	15 0 5	16°40'57	16°20	11°58	25° 5	14°29	5°43	17°46	4°17	22°25	25°21	7°26	6°32	22°51	23°36	T 7
F 8	15 4 2	17°39'07	29°54	11°21	26°19	15° 6	5°49	17°51	4°15	22°26	25°19	7°14	6°29	22°57	23°40	F 8
S 9	15 7 58	18°37'14	13♌10	10°47	27°33	15°42	5°56	17°57	4°14	22°27	25°17	7° 3	6°26	23° 4	23°44	S 9
S 10	15 11 55	19°35'21	26° 5	10°15	28°47	16°19	6° 3	18° 2	4°12	22°28	25°16	6°53	6°23	23°11	23°47	S 10
M 11	15 15 51	20°33'25	8♌41	9°47	0♎ 0	16°55	6°10	18° 7	4°11	22°30	25°14	6°44	6°19	23°17	23°52	M 11
T 12	15 19 48	21°31'29	20°59	9°22	1°14	17°32	6°17	18°12	4° 9	22°31	25°12	6°38	6°16	23°24	23°56	T 12
W 13	15 23 45	22°29'30	3♌ 2	9° 1	2°28	18° 8	6°24	18°18	4° 8	22°32	25°11	6°34	6°13	23°31	24° 0	W 13
T 14	15 27 41	23°27'31	14°56	8°44	3°42	18°44	6°32	18°23	4° 6	22°33	25° 9	6°33	6°10	23°37	24° 4	T 14
F 15	15 31 38	24°25'30	26°45	8°31	4°56	19°20	6°39	18°29	4° 4	22°35	25° 7	6°D32	6° 7	23°44	24° 8	F 15
S 16	15 35 34	25°23'28	8♌34	8°23	6°10	19°56	6°47	18°35	4° 3	22°36	25° 6	6°R32	6° 3	23°51	24°13	S 16
S 17	15 39 31	26°21'24	20°30	8°D19	7°23	20°32	6°55	18°40	4° 1	22°38	25° 4	6°32	6° 0	23°57	24°17	S 17
M 18	15 43 27	27°19'19	2°V36	8°21	8°37	21° 8	7° 3	18°46	3°59	22°39	25° 2	6°29	5°57	24° 4	24°22	M 18
T 19	15 47 24	28°17'13	14°59	8°26	9°51	21°44	7°11	18°52	3°57	22°40	25° 1	6°25	5°54	24°11	24°26	T 19
W 20	15 51 20	29°15'06	27°40	8°37	11° 5	22°19	7°19	18°58	3°56	22°42	24°59	6°17	5°51	24°17	24°31	W 20
T 21	15 55 17	0♎12°57	10♌42	8°51	12°18	22°55	7°27	19° 4	3°54	22°43	24°57	6° 7	5°48	24°24	24°36	T 21
F 22	15 59 14	1°10'48	24° 4	9°11	13°32	23°30	7°36	19°10	3°52	22°45	24°56	5°56	5°44	24°31	24°40	F 22
S 23	16 3 10	2° 8'36	7♎45	9°34	14°46	24° 5	7°44	19°16	3°50	22°46	24°54	5°43	5°41	24°37	24°45	S 23
S 24	16 7 7	3° 6'24	21°42	10° 2	15°59	24°40	7°53	19°22	3°48	22°48	24°52	5°32	5°38	24°44	24°50	S 24
M 25	16 11 3	4° 4'10	5♌50	10°34	17°13	25°15	8° 2	19°28	3°46	22°50	24°51	5°22	5°35	24°50	24°55	M 25
T 26	16 15 0	5° 1'54	20° 3	11°10	18°27	25°50	8°11	19°34	3°44	22°51	24°49	5°14	5°32	24°57	25° 0	T 26
W 27	16 18 56	5°59'37	4♌19	11°50	19°40	26°24	8°20	19°41	3°42	22°53	24°47	5°10	5°29	25° 4	25° 5	W 27
T 28	16 22 53	6°57'19	18°32	12°34	20°54	26°59	8°29	19°47	3°40	22°54	24°46	5° 8	5°25	25°10	25°10	T 28
F 29	16 26 49	7°54'58	2♎42	13°21	22° 7	27°33	8°38	19°54	3°38	22°56	24°44	5° 7	5°22	25°17	25°16	F 29
S 30	16 30 46	8°52'37	16°47	14°12	23°21	28° 7	8°47	20° 0	3°36	22°58	24°43	5° 7	5°19	25°24	25°21	S 30
S 31	16 34 43	9♎50°13	0♌46	15♌ 7	24♎34	28♌41	8♌57	20♌ 7	3♌33	22♌59	24♎41	5♎ 6	5♎16	25♌30	25♌26	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	15n 4	12n54	1s25	17n59	1n31	16n34	0s32	18s57	1s30	19n39	0n42	22n11	0s 6	23s34	0s14	20n58	0s36	4s18	15n13	8n37	8n59	12s52	14n44	6s46	
S 2	15 22	9 11	0 11	17 34	1 16	16 57	0 29	18 48	1 32	19 37	0 42	22 11	0 6	23 34	0 14	20 58	0 36	4 18	15 13	8 37	9 0	12 50	14 44	6 46	
S 3	15 40	4 54	1n 5	17 8	1 0	17 19	0 27	18 40	1 34	19 36	0 42	22 10	0 6	23 34	0 14	20 58	0 36	4 17	15 13	8 37	9 1	12 49	14 44	6 45	
M 4	15 57	0 22	2 16	16 41	0 44	17 41	0 25	18 31	1 35	19 34	0 42	22 10	0 6	23 34	0 14	20 58	0 36	4 17	15 13	8 38	9 3	12 48	14 44	6 45	
T 5	16 14	4s10	3 19	16 13	0 27	18 2	0 23	18 22	1 37	19 33	0 42	22 9	0 6	23 34	0 14	20 58	0 36	4 16	15 13	8 40	9 4	12 46	14 44	6 44	
W 6	16 31	8 26	4 8	15 45	0 9	18 23	0 20	18 13	1 39	19 31	0 42	22 8	0 6	23 34	0 14	20 57	0 36	4 16	15 14	8 43	9 5	12 45	14 44	6 43	
T 7	16 48	12 11	4 42	15 16	0s 8	18 43	0 18	18 5	1 41	19 30	0 42	22 8	0 6	23 34	0 14	20 57	0 36	4 16	15 14	8 46	9 6	12 44	14 44	6 43	
F 8	17 4	15 13	5 0	14 49	0 25	19 3	0 16	17 56	1 43	19 28	0 42	22 7	0 6	23 34	0 14	20 57	0 36	4 15	15 14	8 50	9 7	12 42	14 44	6 42	
S 9	17 21	17 22	5 1	14 22	0 42	19 22	0 13	17 47	1 45	19 26	0 42	22 7	0 6	23 34	0 14	20 57	0 36	4 15	15 14	8 55	9 8	12 41	14 43	6 42	
S 10	17 36	18 35	4 46	13 56	0 59	19 41	0 11	17 37	1 47	19 25	0 42	22 6	0 5	23 34	0 14	20 57	0 36	4 14	15 14	8 58	9 10	12 40	14 43	6 41	
M11	17 52	18 51	4 17	13 32	1 15	19 59	0 8	17 28	1 49	19 23	0 42	22 6	0 5	23 34	0 14	20 57	0 36	4 14	15 14	9 2	9 11	12 38	14 43	6 41	
T 12	18 7	18 12	3 37	13 9	1 31	20 17	0 6	17 19	1 51	19 21	0 42	22 5	0 5	23 35	0 14	20 56	0 36	4 14	15 14	9 4	9 12	12 37	14 43	6 40	
W13	18 22	16 43	2 48	12 48	1 46	20 34	0 4	17 10	1 53	19 19	0 42	22 4	0 5	23 35	0 14	20 56	0 36	4 13	15 14	9 5	9 13	12 36	14 43	6 40	
T 14	18 37	14 33	1 52	12 30	2 0	20 51	0 1	17 0	1 55	19 17	0 42	22 4	0 5	23 35	0 14	20 56	0 36	4 13	15 13	9 6	9 14	12 34	14 43	6 39	
F 15	18 51	11 46	0 52	12 13	2 13	21 7	0n 1	16 51	1 57	19 15	0 42	22 3	0 5	23 35	0 14	20 56	0 36	4 13	15 13	9 6	9 15	12 33	14 43	6 39	
S 16	19 5	8 31	0s11	11 59	2 25	21 22	0 4	16 42	1 59	19 13	0 42	22 2	0 5	23 35	0 14	20 56	0 36	4 12	15 13	9 6	9 17	12 31	14 42	6 38	
S 17	19 19	4 53	1 13	11 47	2 37	21 37	0 6	16 32	2 1	19 11	0 42	22 2	0 5	23 35	0 14	20 56	0 36	4 12	15 13	9 6	9 18	12 30	14 42	6 38	
M18	19 32	1 1	2 14	11 38	2 47	21 51	0 9	16 23	2 3	19 9	0 42	22 1	0 5	23 35	0 14	20 55	0 36	4 12	15 13	9 7	9 19	12 29	14 42	6 37	
T 19	19 45	2n59	3 9	11 31	2 56	22 5	0 11	16 13	2 5	19 7	0 42	22 0	0 5	23 35	0 14	20 55	0 36	4 12	15 13	9 9	9 20	12 27	14 41	6 37	
W20	19 58	6 57	3 56	11 26	3 4	22 18	0 14	16 4	2 8	19 5	0 42	22 0	0 4	23 35	0 14	20 55	0 35	4 11	15 13	9 12	9 21	12 26	14 41	6 36	
T 21	20 10	10 42	4 32	11 24	3 12	22 30	0 16	15 54	2 10	19 3	0 42	21 59	0 4	23 35	0 14	20 55	0 35	4 11	15 13	9 15	9 22	12 25	14 41	6 36	
F 22	20 22	14 0	4 54	11 24	3 18	22 42	0 19	15 45	2 12	19 1	0 41	21 58	0 4	23 35	0 14	20 54	0 35	4 11	15 13	9 19	9 24	12 23	14 41	6 35	
S 23	20 34	16 38	5 0	11 27	3 23	22 53	0 21	15 35	2 14	18 59	0 41	21 57	0 4	23 35	0 14	20 54	0 35	4 11	15 13	9 24	9 25	12 22	14 40	6 35	
S 24	20 45	18 20	4 49	11 31	3 27	23 3	0 23	15 25	2 16	18 56	0 41	21 56	0 4	23 35	0 14	20 54	0 35	4 10	15 13	9 28	9 26	12 20	14 40	6 34	
M25	20 56	18 57	4 20	11 38	3 31	23 13	0 26	15 16	2 19	18 54	0 41	21 56	0 4	23 35	0 14	20 54	0 35	4 10	15 12	9 32	9 27	12 19	14 39	6 34	
T 26	21 6	18 23	3 34	11 47	3 33	23 22	0 28	15 6	2 21	18 52	0 41	21 55	0 4	23 36	0 14	20 54	0 35	4 10	15 12	9 35	9 28	12 18	14 39	6 33	
W27	21 17	16 38	2 35	11 57	3 35	23 31	0 31	14 56	2 23	18 49	0 41	21 54	0 4	23 36	0 14	20 53	0 35	4 10	15 12	9 36	9 29	12 16	14 38	6 33	
T 28	21 26	13 53	1 27	12 9	3 36	23 38	0 33	14 47	2 25	18 47	0 41	21 53	0 4	23 36	0 14	20 53	0 35	4 9	15 12	9 37	9 31	12 15	14 38	6 32	
F 29	21 36	10 18	0 13	12 24	3 36	23 46	0 35	14 37	2 28	18 45	0 41	21 52	0 4	23 36	0 14	20 53	0 35	4 9	15 12	9 37	9 32	12 13	14 38	6 32	
S 30	21 45	6 9	1n 1	12 39	3 35	23 52	0 38	14 27	2 30	18 42	0 41	21 52	0 4	23 36	0 14	20 53	0 35	4 9	15 12	9 37	9 33	12 12	14 37	6 32	
S 31	21n54	1n42	2n11	12n57	3s33	23n58	0n40	14s18	2s32	18n40	0n41	21n51	0s 3	23s36	0s14	20n52	0s35	4s 9	15n11	9n38	9n34	12s11	14n37	6s31	

ASTRODIENST EPHEMERIS for the year 2240
geocentric

JUNE 2240

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	16 38 39	10 ^{II} 47'48	14 [♂] 39	16 [♂] 4	25 ^{II} 48	29 [♂] 15	9 [♂] 6	20 [♂] 13	3 [♂] R31	23 [♂] 1	24 [♂] R39	5 [♂] R 3	5 [♂] 13	25 [♂] 37	25 [♂] 32	M 1
T 2	16 42 36	11°45'22	28°24	17° 5	27° 1	29°49	9°16	20°20	3 [♂] 29	23° 3	24 [♂] 38	4 [♂] 58	5° 9	25°44	25°37	T 2
W 3	16 46 32	12°42'55	12 [♂] 1	18°10	28°15	0 [♂] 22	9°26	20°27	3°27	23° 5	24°36	4°49	5° 6	25°50	25°43	W 3
T 4	16 50 29	13°40'26	25°27	19°17	29°28	0°55	9°36	20°33	3°25	23° 7	24°35	4°38	5° 3	25°57	25°48	T 4
F 5	16 54 25	14°37'56	8 [♂] 39	20°27	0 [♂] 42	1°28	9°45	20°40	3°22	23° 8	24°33	4°26	5° 0	26° 4	25°54	F 5
S 6	16 58 22	15°35'25	21°37	21°40	1°55	2° 1	9°55	20°47	3°20	23°10	24°32	4°14	4°57	26°10	25°59	S 6
S 7	17 2 18	16°32'53	4 [♂] 20	22°57	3° 9	2°34	10° 6	20°54	3°18	23°12	24°30	4° 3	4°54	26°17	26° 5	S 7
M 8	17 6 15	17°30'21	16°46	24°16	4°22	3° 7	10°16	21° 1	3°15	23°14	24°28	3°53	4°50	26°24	26°11	M 8
T 9	17 10 12	18°27'47	28°59	25°38	5°35	3°39	10°26	21° 8	3°13	23°16	24°27	3°46	4°47	26°30	26°16	T 9
W10	17 14 8	19°25'13	10 [♂] 59	27° 2	6°49	4°11	10°36	21°15	3°11	23°18	24°25	3°41	4°44	26°37	26°22	W10
T 11	17 18 5	20°22'38	22°52	28°30	8° 2	4°43	10°47	21°22	3° 8	23°20	24°24	3°39	4°41	26°43	26°28	T 11
F 12	17 22 1	21°20'02	4 [♂] 40	0 [♂] II 0	9°15	5°15	10°57	21°29	3° 6	23°22	24°23	3°D39	4°38	26°50	26°34	F 12
S 13	17 25 58	22°17'26	16°29	1°34	10°29	5°46	11° 8	21°36	3° 4	23°24	24°21	3°R39	4°35	26°57	26°40	S 13
S 14	17 29 54	23°14'49	28°25	3° 9	11°42	6°18	11°19	21°43	3° 1	23°25	24°20	3°39	4°31	27° 3	26°46	S 14
M15	17 33 51	24°12'11	10 [♂] Y33	4°48	12°55	6°49	11°29	21°50	2°59	23°27	24°18	3°38	4°28	27°10	26°52	M15
T 16	17 37 47	25° 9'33	22°57	6°29	14° 8	7°19	11°40	21°57	2°56	23°29	24°17	3°35	4°25	27°17	26°58	T 16
W17	17 41 44	26° 6'55	5 [♂] 43	8°13	15°22	7°50	11°51	22° 5	2°54	23°31	24°16	3°29	4°22	27°23	27° 4	W17
T 18	17 45 41	27° 4'16	18°52	10° 0	16°35	8°20	12° 2	22°12	2°52	23°34	24°14	3°21	4°19	27°30	27°10	T 18
F 19	17 49 37	28° 1'37	2 ^{II} 26	11°49	17°48	8°50	12°13	22°19	2°49	23°36	24°13	3°12	4°15	27°37	27°16	F 19
S 20	17 53 34	28°58'57	16°24	13°41	19° 1	9°20	12°24	22°27	2°47	23°38	24°12	3° 2	4°12	27°43	27°23	S 20
S 21	17 57 30	29°56'17	0 [♂] 42	15°35	20°14	9°49	12°36	22°34	2°44	23°40	24°10	2°52	4° 9	27°50	27°29	S 21
M22	18 1 27	0 [♂] 53'37	15°13	17°32	21°28	10°18	12°47	22°41	2°42	23°42	24° 9	2°44	4° 6	27°57	27°35	M22
T 23	18 5 23	1°50'55	29°52	19°31	22°41	10°47	12°58	22°49	2°39	23°44	24° 8	2°38	4° 3	28° 3	27°42	T 23
W24	18 9 20	2°48'13	14 [♂] 30	21°32	23°54	11°16	13°10	22°56	2°37	23°46	24° 7	2°34	4° 0	28°10	27°48	W24
T 25	18 13 17	3°45'30	29° 3	23°35	25° 7	11°44	13°21	23° 4	2°34	23°48	24° 5	2°D33	3°56	28°17	27°54	T 25
F 26	18 17 13	4°42'47	13 [♂] 26	25°40	26°20	12°12	13°33	23°11	2°32	23°50	24° 4	2°33	3°53	28°23	28° 1	F 26
S 27	18 21 10	5°40'03	27°37	27°47	27°33	12°39	13°44	23°19	2°30	23°52	24° 3	2°34	3°50	28°30	28° 7	S 27
S 28	18 25 6	6°37'18	11 [♂] 33	29°55	28°46	13° 6	13°56	23°26	2°27	23°54	24° 2	2°R34	3°47	28°36	28°14	S 28
M29	18 29 3	7°34'32	25°16	2 [♂] 4	29°59	13°33	14° 8	23°34	2°25	23°57	24° 1	2°33	3°44	28°43	28°20	M29
T 30	18 32 59	8 [♂] 31'46	8 [♂] 46	4 [♂] 15	1 [♂] 12	13 [♂] 59	14 [♂] 20	23 [♂] 42	2 [♂] 22	23 [♂] 59	24 [♂] 0	2 [♂] 29	3 [♂] 40	28 [♂] 50	28 [♂] 27	T 30

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	22n 2	2s48	3n13	13n15	3s31	24n 3	0n42	14s 8	2s35	18n37	0n41	21n50	0s 3	23s36	0s14	20n52	0s35	4s 9	15n11	9n39	9n35	12s 9	14n36	6s31			
T 2	22 10	7 7	4 3	13 35	3 28	24 7	0 45	13 58	2 37	18 34	0 41	21 49	0 3	23 36	0 14	20 52	0 35	4 9	15 11	9 41	9 36	12 8	14 35	6 30			
W 3	22 17	11 0	4 38	13 57	3 24	24 10	0 47	13 49	2 40	18 32	0 41	21 48	0 3	23 36	0 14	20 51	0 35	4 8	15 11	9 44	9 38	12 6	14 35	6 30			
T 4	22 25	14 17	4 57	14 19	3 20	24 13	0 49	13 39	2 42	18 29	0 41	21 47	0 3	23 36	0 15	20 51	0 35	4 8	15 11	9 48	9 39	12 5	14 34	6 30			
F 5	22 31	16 46	5 0	14 42	3 15	24 15	0 51	13 30	2 44	18 27	0 41	21 46	0 3	23 36	0 15	20 51	0 35	4 8	15 10	9 52	9 40	12 4	14 34	6 29			
S 6	22 38	18 22	4 47	15 7	3 9	24 17	0 53	13 20	2 47	18 24	0 41	21 45	0 3	23 36	0 15	20 51	0 35	4 8	15 10	9 57	9 41	12 2	14 33	6 29			
S 7	22 44	19 0	4 21	15 32	3 3	24 18	0 55	13 11	2 49	18 21	0 41	21 44	0 3	23 36	0 15	20 50	0 35	4 8	15 10	10 1	9 42	12 1	14 32	6 28			
M 8	22 49	18 41	3 42	15 58	2 56	24 18	0 58	13 1	2 52	18 18	0 41	21 43	0 3	23 36	0 15	20 50	0 35	4 8	15 10	10 4	9 43	11 59	14 32	6 28			
T 9	22 54	17 31	2 53	16 24	2 49	24 17	1 0	12 52	2 54	18 16	0 41	21 42	0 3	23 37	0 15	20 50	0 35	4 8	15 9	10 7	9 45	11 58	14 31	6 28			
W10	22 59	15 34	1 57	16 52	2 41	24 15	1 2	12 42	2 57	18 13	0 41	21 41	0 3	23 37	0 15	20 49	0 35	4 8	15 9	10 8	9 46	11 56	14 30	6 27			
T 11	23 3	12 59	0 57	17 19	2 33	24 13	1 4	12 33	3 0	18 10	0 41	21 40	0 2	23 37	0 15	20 49	0 35	4 8	15 9	10 9	9 47	11 55	14 30	6 27			
F 12	23 7	9 52	0s 5	17 47	2 24	24 10	1 6	12 24	3 2	18 7	0 41	21 39	0 2	23 37	0 15	20 49	0 35	4 8	15 8	10 9	9 48	11 54	14 29	6 27			
S 13	23 11	6 22	1 8	18 15	2 14	24 7	1 7	12 15	3 5	18 4	0 41	21 38	0 2	23 37	0 15	20 49	0 35	4 8	15 8	10 9	9 49	11 52	14 28	6 26			
S 14	23 14	2 35	2 8	18 43	2 5	24 3	1 9	12 5	3 7	18 1	0 41	21 37	0 2	23 37	0 15	20 48	0 35	4 8	15 8	10 9	9 50	11 51	14 27	6 26			
M15	23 17	1n21	3 3	19 11	1 55	23 58	1 11	11 56	3 10	17 58	0 41	21 36	0 2	23 37	0 15	20 48	0 35	4 8	15 8	10 10	9 51	11 49	14 26	6 26			
T 16	23 19	5 20	3 51	19 39	1 45	23 52	1 13	11 47	3 13	17 55	0 41	21 35	0 2	23 37	0 15	20 48	0 35	4 8	15 7	10 11	9 53	11 48	14 26	6 25			
W17	23 21	9 10	4 29	20 6	1 34	23 45	1 15	11 38	3 15	17 52	0 41	21 34	0 2	23 37	0 15	20 47	0 35	4 8	15 7	10 13	9 54	11 46	14 25	6 25			
T 18	23 22	12 41	4 54	20 33	1 23	23 38	1 16	11 30	3 18	17 49	0 41	21 33	0 2	23 37	0 15	20 47	0 35	4 8	15 7	10 16	9 55	11 45	14 24	6 25			
F 19	23 23	15 39	5 4	20 59	1 12	23 31	1 18	11 21	3 21	17 46	0 41	21 32	0 2	23 37	0 15	20 47	0 35	4 8	15 6	10 19	9 56	11 43	14 23	6 25			
S 20	23 24	17 49	4 56	21 24	1 1	23 22	1 19	11 12	3 24	17 43	0 41	21 31	0 2	23 37	0 15	20 46	0 35	4 8	15 6	10 23	9 57	11 42	14 22	6 24			
S 21	23 24	18 55	4 29	21 48	0 49	23 13	1 21	11 4	3 26	17 40	0 41	21 30	0 2	23 37	0 15	20 46	0 35	4 8	15 5	10 26	9 58	11 41	14 21	6 24			
M22	23 24	18 49	3 45	22 11	0 38	23 3	1 22	10 55	3 29	17 37	0 41	21 29	0 1	23 37	0 15	20 46	0 35	4 8	15 5	10 29	10 0	11 39	14 20	6 24			
T 23	23 24	17 27	2 46	22 33	0 27	22 53	1 24	10 47	3 32	17 33	0 41	21 27	0 1	23 37	0 15	20 45	0 35	4 8	15 5	10 31	10 1	11 38	14 19	6 24			
W24	23 23	14 56	1 35	22 53	0 15	22 42	1 25	10 38	3 35	17 30	0 41	21 26	0 1	23 38	0 15	20 45	0 35	4 8	15 4	10 33	10 2	11 36	14 18	6 23			
T 25	23 21	11 30	0 19	23 11	0 4	22 30	1 27	10 30	3 38	17 27	0 41	21 25	0 1	23 38	0 15	20 45	0 35	4 8	15 4	10 33	10 3	11 35	14 17	6 23			
F 26	23 19	7 24	0n58	23 27	0n 7	22 18	1 28	10 22	3 40	17 24	0 41	21 24	0 1	23 38	0 15	20 44	0 35	4 8	15 4	10 33	10 4	11 33	14 16	6 23			
S 27	23 17	2 57	2 10	23 41	0 18	22 4	1 29	10 14	3 43	17 20	0 41	21 23	0 1	23 38	0 15	20 44	0 35	4 8	15 3	10 33	10 5	11 32	14 15	6 23			
S 28	23 14	1s36	3 14	23 52	0 28	21 51	1 30	10 7	3 46	17 17	0 41	21 22	0 1	23 38	0 15	20 43	0 35	4 9	15 3	10 33	10 6	11 30	14 14	6 22			
M29	23 11	5 58	4 5	24 1	0 38	21 37	1 31	9 59	3 49	17 13	0 41	21 20	0 1	23 38	0 15	20 43	0 35	4 9	15 2	10 33	10 8	11 29	14 13	6 22			
T 30	23n 8	9s58	4n41	24n 8	0n48	21n22	1n32	9s51	3s52	17n10	0n41	21n19	0s 1	23s38	0s15	20n43	0s35	4s 9	15n 2	10n34	10n 9	11s27	14n12	6s22			

ASTRODIENST EPHEMERIS for the year 2240
geocentric

JULY 2240

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	18 36 56	9 ⁵⁵ 28'59	22 ¹¹ 3	6 ⁵⁵ 25	2 ¹⁰ 25	14 ¹¹ 26	14 ¹⁰ 31	23 ⁵⁵ 49	2 ¹⁰ R20	24 ⁵⁵ 1	23 ⁵⁵ R59	2 ¹⁰ R23	3 ¹⁰ 37	28 ⁵⁵ 56	28 ⁵⁵ 33	W 1
T 2	18 40 52	10 ⁵⁵ 26'12	5 ⁵⁵ 7	8 ⁵⁵ 36	3 ⁵⁵ 38	14 ⁵⁵ 51	14 ⁵⁵ 43	23 ⁵⁵ 57	2 ¹⁰ 317	24 ⁵⁵ 3	23 ⁵⁵ M58	2 ¹⁰ 16	3 ⁵⁵ 34	29 ⁵⁵ 3	28 ⁵⁵ 40	T 2
F 3	18 44 49	11 ⁵⁵ 23'25	17 ⁵⁵ 7	10 ⁵⁵ 48	4 ⁵⁵ 51	15 ⁵⁵ 17	14 ⁵⁵ 55	24 ⁵⁵ 5	2 ¹⁰ 15	24 ⁵⁵ 5	23 ⁵⁵ 57	2 ¹⁰ 7	3 ⁵⁵ 31	29 ⁵⁵ 10	28 ⁵⁵ 46	F 3
S 4	18 48 46	12 ⁵⁵ 20'37	0 ⁵⁵ 36	12 ⁵⁵ 58	6 ⁵⁵ 4	15 ⁵⁵ 41	15 ⁵⁵ 7	24 ⁵⁵ 12	2 ¹⁰ 13	24 ⁵⁵ 7	23 ⁵⁵ 56	1 ⁵⁵ 58	3 ⁵⁵ 28	29 ⁵⁵ 16	28 ⁵⁵ 53	S 4
S 5	18 52 42	13 ⁵⁵ 17'49	13 ⁵⁵ 2	15 ⁵⁵ 9	7 ⁵⁵ 17	16 ⁵⁵ 6	15 ⁵⁵ 19	24 ⁵⁵ 20	2 ¹⁰ 10	24 ⁵⁵ 10	23 ⁵⁵ 55	1 ⁵⁵ 50	3 ⁵⁵ 25	29 ⁵⁵ 23	29 ⁵⁵ 0	S 5
M 6	18 56 39	14 ⁵⁵ 15'01	25 ⁵⁵ 16	17 ⁵⁵ 18	8 ⁵⁵ 29	16 ⁵⁵ 30	15 ⁵⁵ 31	24 ⁵⁵ 28	2 ¹⁰ 8	24 ⁵⁵ 12	23 ⁵⁵ 54	1 ⁵⁵ 44	3 ⁵⁵ 21	29 ⁵⁵ 30	29 ⁵⁵ 6	M 6
T 7	19 0 35	15 ⁵⁵ 12'13	7 ⁵⁵ 20	19 ⁵⁵ 27	9 ⁵⁵ 42	16 ⁵⁵ 54	15 ⁵⁵ 44	24 ⁵⁵ 35	2 ¹⁰ 5	24 ⁵⁵ 14	23 ⁵⁵ 53	1 ⁵⁵ 39	3 ⁵⁵ 18	29 ⁵⁵ 36	29 ⁵⁵ 13	T 7
W 8	19 4 32	16 ⁵⁵ 9'25	19 ⁵⁵ 15	21 ⁵⁵ 35	10 ⁵⁵ 55	17 ⁵⁵ 17	15 ⁵⁵ 56	24 ⁵⁵ 43	2 ¹⁰ 3	24 ⁵⁵ 16	23 ⁵⁵ 52	1 ⁵⁵ 36	3 ⁵⁵ 15	29 ⁵⁵ 43	29 ⁵⁵ 20	W 8
T 9	19 8 28	17 ⁵⁵ 6'37	1 ⁵⁵ 4	23 ⁵⁵ 41	12 ⁵⁵ 8	17 ⁵⁵ 40	16 ⁵⁵ 8	24 ⁵⁵ 51	2 ¹⁰ 1	24 ⁵⁵ 18	23 ⁵⁵ 51	1 ⁵⁵ D35	3 ⁵⁵ 12	29 ⁵⁵ 50	29 ⁵⁵ 26	T 9
F 10	19 12 25	18 ⁵⁵ 3'49	12 ⁵⁵ 51	25 ⁵⁵ 46	13 ⁵⁵ 20	18 ⁵⁵ 2	16 ⁵⁵ 20	24 ⁵⁵ 59	1 ⁵⁵ 58	24 ⁵⁵ 21	23 ⁵⁵ 51	1 ⁵⁵ 36	3 ⁵⁵ 9	29 ⁵⁵ 56	29 ⁵⁵ 33	F 10
S 11	19 16 21	19 ⁵⁵ 1'01	24 ⁵⁵ 40	27 ⁵⁵ 49	14 ⁵⁵ 33	18 ⁵⁵ 24	16 ⁵⁵ 33	25 ⁵⁵ 6	1 ⁵⁵ 56	24 ⁵⁵ 23	23 ⁵⁵ 50	1 ⁵⁵ 37	3 ⁵⁵ 6	0 ⁵⁵ 4	29 ⁵⁵ 40	S 11
S 12	19 20 18	19 ⁵⁵ 58'14	6 ⁵⁵ 36	29 ⁵⁵ 51	15 ⁵⁵ 46	18 ⁵⁵ 46	16 ⁵⁵ 45	25 ⁵⁵ 14	1 ⁵⁵ 54	24 ⁵⁵ 25	23 ⁵⁵ 49	1 ⁵⁵ 38	3 ⁵⁵ 2	0 ⁵⁵ 9	29 ⁵⁵ 47	S 12
M13	19 24 15	20 ⁵⁵ 55'27	18 ⁵⁵ 43	1 ⁵⁵ 51	16 ⁵⁵ 58	19 ⁵⁵ 6	16 ⁵⁵ 58	25 ⁵⁵ 22	1 ⁵⁵ 51	24 ⁵⁵ 27	23 ⁵⁵ 48	1 ⁵⁵ R39	2 ⁵⁵ 59	0 ⁵⁵ 16	29 ⁵⁵ 53	M13
T 14	19 28 11	21 ⁵⁵ 52'40	1 ⁵⁵ 8	3 ⁵⁵ 49	18 ⁵⁵ 11	19 ⁵⁵ 27	17 ⁵⁵ 10	25 ⁵⁵ 30	1 ⁵⁵ 49	24 ⁵⁵ 30	23 ⁵⁵ 48	1 ⁵⁵ 39	2 ⁵⁵ 56	0 ⁵⁵ 23	0 ⁵⁵ 0	T 14
W15	19 32 8	22 ⁵⁵ 49'54	13 ⁵⁵ 51	5 ⁵⁵ 45	19 ⁵⁵ 24	19 ⁵⁵ 47	17 ⁵⁵ 23	25 ⁵⁵ 37	1 ⁵⁵ 47	24 ⁵⁵ 32	23 ⁵⁵ 47	1 ⁵⁵ 37	2 ⁵⁵ 53	0 ⁵⁵ 29	0 ⁵⁵ 7	W15
T 16	19 36 4	23 ⁵⁵ 47'08	27 ⁵⁵ 1	7 ⁵⁵ 39	20 ⁵⁵ 36	20 ⁵⁵ 6	17 ⁵⁵ 35	25 ⁵⁵ 45	1 ⁵⁵ 45	24 ⁵⁵ 34	23 ⁵⁵ 46	1 ⁵⁵ 33	2 ⁵⁵ 50	0 ⁵⁵ 36	0 ⁵⁵ 14	T 16
F 17	19 40 1	24 ⁵⁵ 44'23	10 ⁵⁵ 37	9 ⁵⁵ 32	21 ⁵⁵ 49	20 ⁵⁵ 25	17 ⁵⁵ 48	25 ⁵⁵ 53	1 ⁵⁵ 43	24 ⁵⁵ 36	23 ⁵⁵ 46	1 ⁵⁵ 29	2 ⁵⁵ 46	0 ⁵⁵ 43	0 ⁵⁵ 21	F 17
S 18	19 43 57	25 ⁵⁵ 41'39	24 ⁵⁵ 40	11 ⁵⁵ 23	23 ⁵⁵ 1	20 ⁵⁵ 43	18 ⁵⁵ 0	26 ⁵⁵ 1	1 ⁵⁵ 40	24 ⁵⁵ 38	23 ⁵⁵ 45	1 ⁵⁵ 23	2 ⁵⁵ 43	0 ⁵⁵ 49	0 ⁵⁵ 27	S 18
S 19	19 47 54	26 ⁵⁵ 38'55	9 ⁵⁵ 8	13 ⁵⁵ 11	24 ⁵⁵ 14	21 ⁵⁵ 0	18 ⁵⁵ 13	26 ⁵⁵ 9	1 ⁵⁵ 38	24 ⁵⁵ 41	23 ⁵⁵ 45	1 ⁵⁵ 18	2 ⁵⁵ 40	0 ⁵⁵ 56	0 ⁵⁵ 34	S 19
M20	19 51 50	27 ⁵⁵ 36'11	23 ⁵⁵ 53	14 ⁵⁵ 58	25 ⁵⁵ 26	21 ⁵⁵ 17	18 ⁵⁵ 26	26 ⁵⁵ 16	1 ⁵⁵ 36	24 ⁵⁵ 43	23 ⁵⁵ 44	1 ⁵⁵ 14	2 ⁵⁵ 37	1 ⁵⁵ 3	0 ⁵⁵ 41	M20
T 21	19 55 47	28 ⁵⁵ 33'28	8 ⁵⁵ 50	16 ⁵⁵ 43	26 ⁵⁵ 39	21 ⁵⁵ 34	18 ⁵⁵ 38	26 ⁵⁵ 24	1 ⁵⁵ 34	24 ⁵⁵ 45	23 ⁵⁵ 44	1 ⁵⁵ 11	2 ⁵⁵ 34	1 ⁵⁵ 9	0 ⁵⁵ 48	T 21
W22	19 59 44	29 ⁵⁵ 30'45	23 ⁵⁵ 50	18 ⁵⁵ 27	27 ⁵⁵ 51	21 ⁵⁵ 49	18 ⁵⁵ 51	26 ⁵⁵ 32	1 ⁵⁵ 32	24 ⁵⁵ 47	23 ⁵⁵ 43	1 ⁵⁵ 9	2 ⁵⁵ 31	1 ⁵⁵ 16	0 ⁵⁵ 55	W22
T 23	20 3 40	0 ⁵⁵ 28'02	8 ⁵⁵ 44	20 ⁵⁵ 8	29 ⁵⁵ 4	22 ⁵⁵ 5	19 ⁵⁵ 4	26 ⁵⁵ 40	1 ⁵⁵ 30	24 ⁵⁵ 50	23 ⁵⁵ 43	1 ⁵⁵ D 9	2 ⁵⁵ 27	1 ⁵⁵ 23	1 ⁵⁵ 2	T 23
F 24	20 7 37	1 ⁵⁵ 25'19	23 ⁵⁵ 26	21 ⁵⁵ 47	0 ⁵⁵ 16	22 ⁵⁵ 19	19 ⁵⁵ 17	26 ⁵⁵ 47	1 ⁵⁵ 28	24 ⁵⁵ 52	23 ⁵⁵ 43	1 ⁵⁵ 10	2 ⁵⁵ 24	1 ⁵⁵ 29	1 ⁵⁵ 9	F 24
S 25	20 11 33	2 ⁵⁵ 22'37	7 ⁵⁵ 50	23 ⁵⁵ 25	1 ⁵⁵ 28	22 ⁵⁵ 33	19 ⁵⁵ 30	26 ⁵⁵ 55	1 ⁵⁵ 26	24 ⁵⁵ 54	23 ⁵⁵ 42	1 ⁵⁵ 12	2 ⁵⁵ 21	1 ⁵⁵ 36	1 ⁵⁵ 15	S 25
S 26	20 15 30	3 ⁵⁵ 19'55	21 ⁵⁵ 55	25 ⁵⁵ 0	2 ⁵⁵ 41	22 ⁵⁵ 46	19 ⁵⁵ 42	27 ⁵⁵ 3	1 ⁵⁵ 24	24 ⁵⁵ 56	23 ⁵⁵ 42	1 ⁵⁵ 13	2 ⁵⁵ 18	1 ⁵⁵ 43	1 ⁵⁵ 22	S 26
M27	20 19 26	4 ⁵⁵ 17'13	5 ⁵⁵ 38	26 ⁵⁵ 34	3 ⁵⁵ 53	22 ⁵⁵ 58	19 ⁵⁵ 55	27 ⁵⁵ 11	1 ⁵⁵ 22	24 ⁵⁵ 58	23 ⁵⁵ 42	1 ⁵⁵ R13	2 ⁵⁵ 15	1 ⁵⁵ 49	1 ⁵⁵ 29	M27
T 28	20 23 23	5 ⁵⁵ 14'31	19 ⁵⁵ 2	28 ⁵⁵ 6	5 ⁵⁵ 5	23 ⁵⁵ 10	20 ⁵⁵ 8	27 ⁵⁵ 18	1 ⁵⁵ 20	25 ⁵⁵ 1	23 ⁵⁵ 41	1 ⁵⁵ 13	2 ⁵⁵ 12	1 ⁵⁵ 56	1 ⁵⁵ 36	T 28
W29	20 27 19	6 ⁵⁵ 11'50	2 ⁵⁵ 7	29 ⁵⁵ 36	6 ⁵⁵ 17	23 ⁵⁵ 21	20 ⁵⁵ 21	27 ⁵⁵ 26	1 ⁵⁵ 18	25 ⁵⁵ 3	23 ⁵⁵ 41	1 ⁵⁵ 11	2 ⁵⁵ 8	2 ⁵⁵ 2	1 ⁵⁵ 43	W29
T 30	20 31 16	7 ⁵⁵ 9'09	14 ⁵⁵ 56	1 ⁵⁵ 4	7 ⁵⁵ 30	23 ⁵⁵ 32	20 ⁵⁵ 34	27 ⁵⁵ 34	1 ⁵⁵ 16	25 ⁵⁵ 5	23 ⁵⁵ 41	1 ⁵⁵ 8	2 ⁵⁵ 5	2 ⁵⁵ 9	1 ⁵⁵ 50	T 30
F 31	20 35 13	8 ⁵⁵ 0'29	27 ⁵⁵ 31	2 ⁵⁵ 30	8 ⁵⁵ 42	23 ⁵⁵ 42	20 ⁵⁵ 47	27 ⁵⁵ 42	1 ⁵⁵ 15	25 ⁵⁵ 7	23 ⁵⁵ 41	1 ⁵⁵ 5	2 ⁵⁵ 2	2 ⁵⁵ 16	1 ⁵⁵ 57	F 31

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	23n 4	13s23	5n 2	24n12	0n57	21n 6	1n33	9s44	3s55	17n 7	0n41	21n18	0s 1	23s38	0s15	20n42	0s35	4s 9	15n 1	10n37	10n10	11s26	14n11	6s22					
T 2	23 0	16 6	5 6	24 12	1 5	20 50	1 34	9 37	3 58	17 3	0 41	21 17	0 1	23 38	0 15	20 42	0 35	4 9	15 1	10 39	10 11	11 24	14 10	6 22					
F 3	22 55	17 58	4 55	24 11	1 13	20 33	1 35	9 30	4 1	17 0	0 41	21 15	0 0	23 38	0 15	20 42	0 35	4 10	15 1	10 42	10 12	11 23	14 9	6 21					
S 4	22 50	18 55	4 30	24 6	1 20	20 16	1 35	9 23	4 4	16 56	0 41	21 14	0 0	23 38	0 15	20 41	0 35	4 10	15 0	10 45	10 13	11 21	14 8	6 21					
S 5	22 45	18 55	3 52	23 59	1 26	19 58	1 36	9 16	4 7	16 53	0 41	21 13	0 0	23 38	0 15	20 41	0 35	4 10	15 0	10 48	10 15	11 20	14 7	6 21					
M 6	22 39	18 3	3 3	23 48	1 32	19 40	1 37	9 9	4 10	16 49	0 41	21 12	0 0	23 38	0 15	20 41	0 35	4 10	14 59	10 51	10 16	11 18	14 5	6 21					
T 7	22 32	16 21	2 8	23 36	1 37	19 21	1 37	9 3	4 13	16 45	0 41	21 10	0 0	23 38	0 15	20 40	0 35	4 10	14 59	10 52	10 17	11 17	14 4	6 21					
W 8	22 26	13 59	1 6	23 20	1 41	19 2	1 38	8 56	4 16	16 42	0 41	21 9	0 0	23 38	0 15	20 40	0 35	4 11	14 58	10 53	10 18	11 15	14 3	6 21					
T 9	22 19	11 2	0 3	23 3	1 44	18 42	1 38	8 50	4 19	16 38	0 41	21 8	0n 0	23 38	0 15	20 39	0 35	4 11	14 58	10 54	10 19	11 14	14 2	6 21					
F 10	22 11	7 40	1s 1	22 43	1 47	18 22	1 38	8 44	4 22	16 35	0 41	21 6	0 0	23 38	0 15	20 39	0 34	4 11	14 57	10 54	10 20	11 12	14 1	6 21					
S 11	22 4	3 59	2 2	22 21	1 49	18 1	1 38	8 39	4 25	16 31	0 41	21 5	0 0	23 38	0 15	20 39	0 34	4 12	14 57	10 53	10 21	11 11	13 59	6 20					
S 12	21 55	0 7	2 59	21 57	1 50	17 39	1 39	8 33	4 28	16 27	0 41	21 4	0 0	23 38	0 15	20 38	0 34	4 12	14 56	10 53	10 23	11 9	13 58	6 20					
M13	21 47	3n48	3 48	21 31	1 51	17 18	1 39	8 28	4 31	16 23	0 42	21 2	0 0	23 38	0 15	20 38	0 34	4 12	14 56	10 52	10 24	11 8	13 57	6 20					
T 14	21 38	7 38	4 29	21 4	1 51	16 55	1 39	8 22	4 34	16 20	0 42	21 1	0 0	23 38	0 15	20 38	0 34	4 13	14 55	10 52	10 25	11 6	13 55	6 20					
W15	21 29	11 15	4 57	20 35	1 50	16 33	1 39	8 17	4 37	16 16	0 42	21 0	0 1	23 39	0 15	20 37	0 34	4 13	14 55	10 53	10 26	11 5	13 54	6 20					
T 16	21 19	14 25	5 11	20 4	1 48	16 9	1 38	8 13	4 40	16 12	0 42	20 58	0 1	23 39	0 15	20 37	0 34	4 13	14 54	10 54	10 27	11 3	13 53	6 20					
F 17	21 9	16 56	5 8	19 33	1 46	15 46	1 38	8 8	4 43	16 8	0 42	20 57	0 1	23 39	0 15	20 36	0 34	4 14	14 54	10 56	10 28	11 2	13 51	6 20					
S 18	20 58	18 32	4 46	19 0	1 43	15 22	1 38	8 4	4 47	16 4	0 42	20 56	0 1	23 39	0 15	20 36	0 34	4 14	14 53	10 58	10 29	11 0	13 50	6 20					
S 19	20 48	18 59	4 7	18 26	1 40	14 57	1 37	8 0	4 50	16 1	0 42	20 54	0 1	23 39	0 15	20 36	0 34	4 14	14 53	11 0	10 31	10 59	13 49	6 20					
M20	20 37	18 11	3 10	17 51	1 36	14 33	1 37	7 56	4 53	15 57	0 42	20 53	0 1	23 39	0 15	20 35	0 34	4 15	14 52	11 1	10 32	10 57	13 47	6 20					
T 21	20 25	16 6	1 59	17 15	1 32	14 8	1 36	7 52	4 56	15 53	0 42	20 52	0 1	23 39	0 15	20 35	0 34	4 15	14 52	11 2	10 33	10 56	13 46	6 20					
W22	20 13	12 56	0 40	16 39	1 27	13 42	1 36	7 49	4 59	15 49	0 42	20 50	0 1	23 39	0 15	20 35	0 34	4 16	14 51	11 3	10 34	10 54	13 45	6 20					
T 23	20 1	8 55	0n42	16 2	1 21	13 16	1 35	7 46	5 2	15 45	0 42	20 49	0 1	23 39	0 15	20 34	0 34	4 16	14 51	11 3	10 35	10 53	13 43	6 20					
F 24	19 49	4 26	1 59	15 25	1 15	12 50	1 34	7 43	5 5	15 41	0 42	20 47	0 1	23 39	0 15	20 34	0 34	4 16	14 50	11 3	10 36	10 51	13 42	6 20					
S 25	19 36	0s13	3 8	14 47	1 9	12 24	1 34	7 40	5 8	15 37	0 42	20 46	0 1	23 39	0 15	20 33	0 34	4 17	14 50	11 2	10 37	10 50	13 40	6 20					
S 26	19 23	4 45	4 4	14 9	1 2	11 57	1 33	7 38	5 11	15 33	0 42	20 45	0 2	23 39	0 15	20 33	0 34	4 17	14 49	11 2	10 38	10 48	13 39	6 20					
M27	19 10	8 55	4 44	13 30	0 55	11 30	1 32	7 35	5 14	15 29	0 42	20 43	0 2	23 39	0 15	20 33	0 34	4 18	14 49	11 2	10 40	10 47	13 37	6 20					
T 28	18 56	12 31	5 7	12 52	0 48	11 2	1 31	7 33	5 17	15 25	0 42	20 42	0 2	23 39	0 15	20 32	0 34	4 18	14 48	11 2	10 41	10 45	13 36	6 20					
W29	18 42	15 25	5 14	12 13	0 40	10 35	1 29	7 32	5 20	15 21	0 42	20 40	0 2	23 39	0 15	20 32	0 34	4 19	14 48	11 2	10 42	10 44	13 34	6 20					
T 30	18 27	17 30	5 5	11 34	0 31	10 7	1 28	7 30	5 23	15 17	0 42	20 39	0 2	23 39	0 15	20 31	0 34	4 19	14 47	11 3	10 43	10 42	13 33	6 20					
F 31	18n13	18s41	4n42	10n56	0n23	9n38	1n27	7s29	5s26	15n13	0n42	20n38	0n 2	23s39	0s15	20n31	0s34	4s20	14n46	11n 5	10n44	10s40	13n31	6s20					

ASTRODIENST EPHEMERIS for the year 2240

geocentric

AUGUST 2240

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 39 9	9♌ 3'49	9♌52	3♍54	9♍54	23♎50	21♏0	27♏49	1°R13	25♏9	23°R41	1°R 1	1♐59	2♐22	2♏3	S 1
S 2	20 43 6	10° 1'10	22° 3	5°16	11° 6	23°59	21°13	27°57	1♐11	25°12	23♐41	0♐58	1°56	2°29	2°10	S 2
M 3	20 47 2	10°58'31	4♍5	6°36	12°18	24° 6	21°26	28° 5	1° 9	25°14	23°41	0°55	1°52	2°36	2°17	M 3
T 4	20 50 59	11°55'53	16° 1	7°54	13°30	24°13	21°39	28°12	1° 8	25°16	23°D41	0°54	1°49	2°42	2°24	T 4
W 5	20 54 55	12°53'16	27°51	9°10	14°42	24°19	21°52	28°20	1° 6	25°18	23°41	0°D53	1°46	2°49	2°31	W 5
T 6	20 58 52	13°50'40	9♎38	10°24	15°54	24°24	22° 5	28°28	1° 4	25°20	23°41	0°53	1°43	2°56	2°38	T 6
F 7	21 2 48	14°48'05	21°26	11°35	17° 6	24°29	22°18	28°35	1° 3	25°22	23°41	0°54	1°40	3° 2	2°44	F 7
S 8	21 6 45	15°45'31	3♏17	12°44	18°17	24°32	22°32	28°43	1° 1	25°24	23°41	0°55	1°37	3° 9	2°51	S 8
S 9	21 10 42	16°42'58	15°14	13°51	19°29	24°35	22°45	28°50	1° 0	25°27	23°41	0°57	1°33	3°16	2°58	S 9
M10	21 14 38	17°40'26	27°22	14°56	20°41	24°37	22°58	28°58	0°59	25°29	23°41	0°58	1°30	3°22	3° 5	M10
T 11	21 18 35	18°37'55	9♏45	15°57	21°53	24°38	23°11	29° 5	0°57	25°31	23°42	0°58	1°27	3°29	3°11	T 11
W12	21 22 31	19°35'26	22°27	16°56	23° 4	24°R38	23°24	29°13	0°56	25°33	23°42	0°R58	1°24	3°35	3°18	W12
T 13	21 26 28	20°32'58	5♐3	17°52	24°16	24°38	23°37	29°20	0°54	25°35	23°42	0°58	1°21	3°42	3°25	T 13
F 14	21 30 24	21°30'32	19° 3	18°46	25°27	24°37	23°50	29°28	0°53	25°37	23°43	0°57	1°18	3°49	3°32	F 14
S 15	21 34 21	22°28'07	3♐1	19°36	26°39	24°35	24° 4	29°35	0°52	25°39	23°43	0°56	1°14	3°55	3°38	S 15
S 16	21 38 17	23°25'43	17°25	20°23	27°50	24°32	24°17	29°42	0°51	25°41	23°43	0°56	1°11	4° 2	3°45	S 16
M17	21 42 14	24°23'21	2♐11	21° 6	29° 2	24°28	24°30	29°50	0°50	25°43	23°44	0°55	1° 8	4° 9	3°52	M17
T 18	21 46 11	25°20'59	17°13	21°46	0♐13	24°23	24°43	29°57	0°49	25°45	23°44	0°54	1° 5	4°15	3°58	T 18
W19	21 50 7	26°18'40	2♐24	22°22	1°25	24°18	24°56	0♐4	0°48	25°47	23°45	0°D54	1° 2	4°22	4° 5	W19
T 20	21 54 4	27°16'21	17°32	22°54	2°36	24°12	25° 9	0°12	0°47	25°49	23°45	0°54	0°58	4°29	4°11	T 20
F 21	21 58 0	28°14'03	2♐31	23°22	3°47	24° 5	25°22	0°19	0°46	25°51	23°46	0°55	0°55	4°35	4°18	F 21
S 22	22 1 57	29°11'47	17°11	23°45	4°59	23°57	25°36	0°26	0°45	25°53	23°47	0°55	0°52	4°42	4°24	S 22
S 23	22 5 53	0♐9'31	1♐28	24° 3	6°10	23°49	25°49	0°33	0°44	25°55	23°47	0°55	0°49	4°49	4°31	S 23
M24	22 9 50	1° 7'17	15°20	24°17	7°21	23°40	26° 2	0°40	0°43	25°57	23°48	0°R55	0°46	4°55	4°37	M24
T 25	22 13 46	2° 5'04	28°47	24°25	8°32	23°30	26°15	0°47	0°42	25°59	23°49	0°D55	0°43	5° 2	4°44	T 25
W26	22 17 43	3° 2'52	11♐50	24°R28	9°43	23°19	26°28	0°54	0°41	26° 0	23°49	0°55	0°39	5° 8	4°50	W26
T 27	22 21 39	4° 0'41	24°32	24°25	10°54	23° 8	26°41	1° 1	0°41	26° 2	23°50	0°55	0°36	5°15	4°57	T 27
F 28	22 25 36	4°58'31	6♐56	24°17	12° 5	22°57	26°54	1° 8	0°40	26° 4	23°51	0°55	0°33	5°22	5° 3	F 28
S 29	22 29 33	5°56'22	19° 7	24° 3	13°16	22°44	27° 7	1°15	0°40	26° 6	23°52	0°56	0°30	5°28	5° 9	S 29
S 30	22 33 29	6°54'15	1♐8	23°42	14°26	22°32	27°20	1°22	0°39	26° 8	23°53	0°57	0°27	5°35	5°16	S 30
M31	22 37 26	7♐52'09	13♐2	23♐16	15♐37	22♐18	27♐33	1♐29	0♐39	26♐10	23♐54	0♐57	0♐24	5♐42	5♐22	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	17n58	18s58	4n 5	10n17	0n14	9n10	1n25	7s28	5s29	15n 9	0n42	20n36	0n 2	23s39	0s15	20n31	0s34	4s20	14n46	11n 6	10n45	10s39	13n30	6s20			
S 2	17 43	18 20	3 18	9 38	0 5	8 41	1 24	7 28	5 31	15 4	0 42	20 35	0 2	23 39	0 15	20 30	0 34	4 21	14 45	11 7	10 46	10 37	13 28	6 20			
M 3	17 27	16 54	2 23	9 0	0s 5	8 12	1 22	7 27	5 34	15 0	0 42	20 33	0 2	23 39	0 15	20 30	0 34	4 21	14 45	11 8	10 48	10 36	13 27	6 20			
T 4	17 11	14 43	1 21	8 22	0 14	7 43	1 21	7 27	5 37	14 56	0 42	20 32	0 2	23 39	0 15	20 29	0 34	4 22	14 44	11 8	10 49	10 34	13 25	6 20			
W 5	16 55	11 57	0 17	7 45	0 24	7 14	1 19	7 27	5 40	14 52	0 42	20 30	0 2	23 39	0 15	20 29	0 34	4 22	14 44	11 9	10 50	10 33	13 24	6 20			
T 6	16 39	8 41	0s48	7 8	0 34	6 45	1 17	7 27	5 42	14 48	0 42	20 29	0 2	23 39	0 15	20 29	0 34	4 23	14 43	11 9	10 51	10 31	13 22	6 20			
F 7	16 22	5 6	1 51	6 31	0 45	6 15	1 15	7 28	5 45	14 44	0 43	20 27	0 3	23 39	0 15	20 28	0 34	4 23	14 43	11 8	10 52	10 30	13 20	6 21			
S 8	16 5	1 18	2 50	5 55	0 55	5 45	1 13	7 29	5 47	14 39	0 43	20 26	0 3	23 39	0 15	20 28	0 34	4 24	14 42	11 8	10 53	10 28	13 19	6 21			
S 9	15 48	2n35	3 42	5 20	1 6	5 15	1 11	7 30	5 50	14 35	0 43	20 24	0 3	23 39	0 15	20 28	0 34	4 25	14 41	11 7	10 54	10 26	13 17	6 21			
M10	15 31	6 24	4 25	4 45	1 17	4 45	1 9	7 32	5 52	14 31	0 43	20 23	0 3	23 39	0 15	20 27	0 34	4 25	14 41	11 7	10 55	10 25	13 16	6 21			
T 11	15 13	10 2	4 56	4 11	1 28	4 15	1 7	7 33	5 55	14 27	0 43	20 22	0 3	23 39	0 15	20 27	0 34	4 26	14 40	11 7	10 57	10 23	13 14	6 21			
W12	14 55	13 18	5 14	3 38	1 39	3 45	1 5	7 35	5 57	14 22	0 43	20 20	0 3	23 39	0 15	20 26	0 34	4 26	14 40	11 7	10 58	10 22	13 12	6 21			
T 13	14 37	16 0	5 16	3 6	1 50	3 14	1 3	7 37	5 59	14 18	0 43	20 19	0 3	23 39	0 15	20 26	0 34	4 27	14 39	11 7	10 59	10 20	13 11	6 21			
F 14	14 19	17 56	5 2	2 35	2 1	2 44	1 0	7 40	6 1	14 14	0 43	20 17	0 3	23 39	0 15	20 26	0 34	4 28	14 39	11 7	11 0	10 18	13 9	6 21			
S 15	14 0	18 53	4 29	2 5	2 12	2 13	0 58	7 42	6 3	14 10	0 43	20 16	0 3	23 39	0 15	20 25	0 34	4 28	14 38	11 7	11 1	10 17	13 7	6 22			
S 16	13 41	18 39	3 39	1 36	2 24	1 42	0 55	7 45	6 5	14 5	0 43	20 14	0 3	23 39	0 15	20 25	0 34	4 29	14 38	11 8	11 2	10 15	13 6	6 22			
M17	13 22	17 10	2 33	1 9	2 35	1 12	0 53	7 48	6 7	14 1	0 43	20 13	0 3	23 39	0 15	20 25	0 34	4 30	14 37	11 8	11 3	10 14	13 4	6 22			
T 18	13 3	14 27	1 15	0 43	2 46	0 41	0 50	7 52	6 8	13 57	0 43	20 11	0 4	23 39	0 15	20 24	0 34	4 30	14 36	11 8	11 5	10 12	13 2	6 22			
W19	12 44	10 44	0n 8	0 19	2 57	0 10	0 48	7 55	6 10	13 52	0 43	20 10	0 4	23 39	0 15	20 24	0 34	4 31	14 36	11 8	11 6	10 11	13 1	6 22			
T 20	12 24	6 19	1 31	0s 3	3 7	0s21	0 45	7 59	6 11	13 48	0 43	20 8	0 4	23 39	0 15	20 23	0 34	4 31	14 35	11 8	11 7	10 9	12 59	6 23			
F 21	12 4	1 33	2 47	0 24	3 18	0 52	0 42	8 3	6 13	13 44	0 43	20 7	0 4	23 39	0 15	20 23	0 34	4 32	14 35	11 8	11 8	10 7	12 57	6 23			
S 22	11 44	3s12	3 50	0 42	3 28	1 23	0 39	8 7	6 14	13 39	0 43	20 6	0 4	23 39	0 15	20 23	0 34	4 33	14 34	11 8	11 9	10 6	12 55	6 23			
S 23	11 24	7 38	4 37	0 58	3 38	1 53	0 36	8 11	6 15	13 35	0 44	20 4	0 4	23 39	0 15	20 22	0 34	4 34	14 34	11 8	11 10	10 4	12 54	6 23			
M24	11 4	11 31	5 6	1 12	3 47	2 24	0 33	8 16	6 16	13 31	0 44	20 3	0 4	23 39	0 15	20 22	0 34	4 34	14 33	11 8	11 11	10 3	12 52	6 24			
T 25	10 43	14 41	5 18	1 24	3 56	2 55	0 30	8 20	6 17	13 26	0 44	20 1	0 4	23 39	0 15	20 22	0 34	4 35	14 33	11 8	11 12	10 1	12 50	6 24			
W26	10 22	17 1	5 12	1 32	4 4	3 26	0 27	8 25	6 17	13 22	0 44	20 0	0 4	23 39	0 15	20 21	0 34	4 36	14 32	11 8	11 14	9 59	12 49	6 24			
T 27	10 1	18 26	4 52	1 38	4 11	3 57	0 24	8 30	6 17	13 17	0 44	19 58	0 4	23 39	0 15	20 21	0 34	4 36	14 31	11 8	11 15	9 58	12 47	6 24			
F 28	9 40	18 56	4 17	1 41	4 18	4 27	0 20	8 35	6 18	13 13	0 44	19 57	0 4	23 39	0 15	20 21	0 34	4 37	14 31	11 8	11 16	9 56	12 45	6 25			
S 29	9 19	18 32	3 32	1 40	4 23	4 28	0 17	8 40	6 18	13 9	0 44	19 56	0 5	23 39	0 15	20 20	0 34	4 38	14 30	11 8	11 17	9 54	12 43	6 25			
S 30	8 58	17 18	2 38	1 36	4 28	5 28	0 14	8 45	6 18	13 4	0 44	19 54	0 5	23 39	0 15	20 20	0 34	4 38	14 30	11 7	11 18	9 53	12 42	6 25			
M31	8n36	15s19	1n38	1s29	4s31	5s59	0n10	8s50	6s17	13n 0	0n44	19n53	0n 5	23s39	0s15	20n20	0s34	4s39	14n29	11n 7	11n19	9s51	12n40	6s25			

ASTRODIENST EPHEMERIS for the year 2240
geocentric

SEPTEMBER 2240

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 41 22	8 ^h 50'04	24 ^h 51	22 ^h R44	16 ^h 48	22 ^h R 5	27 ^h 46	1 ^h 36	0 ^h R38	26 ^h 11	23 ^h 54	0 ^h 57	0 ^h 20	5 ^h 48	5 ^h 28	T 1
W 2	22 45 19	9 ^h 48'01	6 ^h 39	22 ^h 6	17 ^h 58	21 ^h 50	27 ^h 59	1 ^h 42	0 ^h 38	26 ^h 13	23 ^h 55	0 ^h R57	0 ^h 17	5 ^h 55	5 ^h 34	W 2
T 3	22 49 15	10 ^h 46'00	18 ^h 27	21 ^h 23	19 ^h 9	21 ^h 36	28 ^h 12	1 ^h 49	0 ^h 37	26 ^h 15	23 ^h 56	0 ^h 57	0 ^h 14	6 ^h 2	5 ^h 40	T 3
F 4	22 53 12	11 ^h 44'00	0 ^h Y18	20 ^h 36	20 ^h 19	21 ^h 21	28 ^h 25	1 ^h 56	0 ^h 37	26 ^h 16	23 ^h 57	0 ^h 56	0 ^h 11	6 ^h 8	5 ^h 46	F 4
S 5	22 57 8	12 ^h 42'01	12 ^h 15	19 ^h 44	21 ^h 30	21 ^h 5	28 ^h 38	2 ^h 2	0 ^h 37	26 ^h 18	23 ^h 59	0 ^h 55	0 ^h 8	6 ^h 15	5 ^h 52	S 5
S 6	23 1 5	13 ^h 40'05	24 ^h 19	18 ^h 50	22 ^h 40	20 ^h 50	28 ^h 51	2 ^h 9	0 ^h 37	26 ^h 20	24 ^h 0	0 ^h 53	0 ^h 4	6 ^h 22	5 ^h 58	S 6
M 7	23 5 2	14 ^h 38'10	6 ^h 33	17 ^h 53	23 ^h 50	20 ^h 34	29 ^h 4	2 ^h 15	0 ^h 37	26 ^h 21	24 ^h 1	0 ^h 51	0 ^h 1	6 ^h 28	6 ^h 4	M 7
T 8	23 8 58	15 ^h 36'17	19 ^h 0	16 ^h 55	25 ^h 0	20 ^h 18	29 ^h 17	2 ^h 21	0 ^h 37	26 ^h 23	24 ^h 2	0 ^h 49	29 ^h 58	6 ^h 35	6 ^h 10	T 8
W 9	23 12 55	16 ^h 34'26	1 ^h 43	15 ^h 57	26 ^h 11	20 ^h 2	29 ^h 30	2 ^h 28	0 ^h D36	26 ^h 25	24 ^h 3	0 ^h 48	29 ^h 55	6 ^h 42	6 ^h 16	W 9
T 10	23 16 51	17 ^h 32'37	14 ^h 45	15 ^h 0	27 ^h 21	19 ^h 45	29 ^h 43	2 ^h 34	0 ^h 37	26 ^h 26	24 ^h 4	0 ^h D47	29 ^h 52	6 ^h 48	6 ^h 22	T 10
F 11	23 20 48	18 ^h 30'51	28 ^h 9	14 ^h 7	28 ^h 31	19 ^h 29	29 ^h 55	2 ^h 40	0 ^h 37	26 ^h 28	24 ^h 6	0 ^h 48	29 ^h 49	6 ^h 55	6 ^h 28	F 11
S 12	23 24 44	19 ^h 29'06	11 ^h 56	13 ^h 17	29 ^h 41	19 ^h 13	0 ^h 58	2 ^h 47	0 ^h 37	26 ^h 29	24 ^h 7	0 ^h 48	29 ^h 45	7 ^h 1	6 ^h 34	S 12
S 13	23 28 41	20 ^h 27'23	26 ^h 7	12 ^h 32	0 ^h 50	18 ^h 56	0 ^h 21	2 ^h 53	0 ^h 37	26 ^h 31	24 ^h 8	0 ^h 50	29 ^h 42	7 ^h 8	6 ^h 39	S 13
M14	23 32 37	21 ^h 25'42	10 ^h 41	11 ^h 54	2 ^h 0	18 ^h 40	0 ^h 34	2 ^h 59	0 ^h 37	26 ^h 32	24 ^h 10	0 ^h 51	29 ^h 39	7 ^h 15	6 ^h 45	M14
T 15	23 36 34	22 ^h 24'04	25 ^h 34	11 ^h 23	3 ^h 10	18 ^h 24	0 ^h 46	3 ^h 5	0 ^h 37	26 ^h 34	24 ^h 11	0 ^h R52	29 ^h 36	7 ^h 21	6 ^h 51	T 15
W16	23 40 31	23 ^h 22'27	10 ^h 39	11 ^h 0	4 ^h 20	18 ^h 8	0 ^h 59	3 ^h 11	0 ^h 38	26 ^h 35	24 ^h 12	0 ^h 52	29 ^h 33	7 ^h 28	6 ^h 56	W16
T 17	23 44 27	24 ^h 20'52	25 ^h 48	10 ^h 45	5 ^h 29	17 ^h 52	1 ^h 12	3 ^h 17	0 ^h 38	26 ^h 36	24 ^h 14	0 ^h 50	29 ^h 29	7 ^h 35	7 ^h 2	T 17
F 18	23 48 24	25 ^h 19'19	10 ^h 52	10 ^h D40	6 ^h 39	17 ^h 37	1 ^h 24	3 ^h 22	0 ^h 39	26 ^h 38	24 ^h 15	0 ^h 48	29 ^h 26	7 ^h 41	7 ^h 7	F 18
S 19	23 52 20	26 ^h 17'47	25 ^h 42	10 ^h 44	7 ^h 48	17 ^h 22	1 ^h 37	3 ^h 28	0 ^h 39	26 ^h 39	24 ^h 17	0 ^h 44	29 ^h 23	7 ^h 48	7 ^h 12	S 19
S 20	23 56 17	27 ^h 16'18	10 ^h 50	10 ^h 58	8 ^h 57	17 ^h 7	1 ^h 49	3 ^h 34	0 ^h 40	26 ^h 40	24 ^h 18	0 ^h 41	29 ^h 20	7 ^h 55	7 ^h 18	S 20
M21	0 0 13	28 ^h 14'50	24 ^h 11	11 ^h 20	10 ^h 7	16 ^h 53	2 ^h 2	3 ^h 39	0 ^h 40	26 ^h 42	24 ^h 20	0 ^h 37	29 ^h 17	8 ^h 1	7 ^h 23	M21
T 22	0 4 10	29 ^h 13'23	7 ^h 45	11 ^h 52	11 ^h 16	16 ^h 39	2 ^h 14	3 ^h 45	0 ^h 41	26 ^h 43	24 ^h 21	0 ^h 34	29 ^h 14	8 ^h 8	7 ^h 28	T 22
W23	0 8 6	0 ^h 11'59	20 ^h 52	12 ^h 33	12 ^h 25	16 ^h 26	2 ^h 26	3 ^h 50	0 ^h 41	26 ^h 44	24 ^h 23	0 ^h 33	29 ^h 10	8 ^h 15	7 ^h 33	W23
T 24	0 12 3	1 ^h 10'36	3 ^h 34	13 ^h 22	13 ^h 34	16 ^h 13	2 ^h 39	3 ^h 56	0 ^h 42	26 ^h 45	24 ^h 24	0 ^h D32	29 ^h 7	8 ^h 21	7 ^h 38	T 24
F 25	0 16 0	2 ^h 9'14	15 ^h 56	14 ^h 19	14 ^h 43	16 ^h 1	2 ^h 51	4 ^h 1	0 ^h 43	26 ^h 46	24 ^h 26	0 ^h 33	29 ^h 4	8 ^h 28	7 ^h 43	F 25
S 26	0 19 56	3 ^h 7'55	28 ^h 2	15 ^h 23	15 ^h 51	15 ^h 49	3 ^h 3	4 ^h 6	0 ^h 44	26 ^h 47	24 ^h 28	0 ^h 35	29 ^h 1	8 ^h 34	7 ^h 48	S 26
S 27	0 23 53	4 ^h 6'37	9 ^h 58	16 ^h 34	17 ^h 0	15 ^h 38	3 ^h 15	4 ^h 11	0 ^h 45	26 ^h 49	24 ^h 29	0 ^h 37	28 ^h 58	8 ^h 41	7 ^h 53	S 27
M28	0 27 49	5 ^h 5'20	21 ^h 47	17 ^h 51	18 ^h 9	15 ^h 28	3 ^h 27	4 ^h 17	0 ^h 46	26 ^h 50	24 ^h 31	0 ^h 38	28 ^h 55	8 ^h 48	7 ^h 58	M28
T 29	0 31 46	6 ^h 4'06	3 ^h 34	19 ^h 14	19 ^h 17	15 ^h 18	3 ^h 39	4 ^h 22	0 ^h 47	26 ^h 51	24 ^h 33	0 ^h R38	28 ^h 51	8 ^h 54	8 ^h 3	T 29
W30	0 35 42	7 ^h 2'53	15 ^h 23	20 ^h 41	20 ^h 25	15 ^h 9	3 ^h 51	4 ^h 26	0 ^h 48	26 ^h 52	24 ^h 35	0 ^h 37	28 ^h 48	9 ^h 1	8 ^h 8	W30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	8n15	12s41	0n34	1s17	4s32	6s29	0n 7	8s55	6s17	12n55	0n44	19n51	0n 5	23s39	0s15	20n19	0s34	4s40	14n29	11n 7	11n20	9s50	12n38	6s26			
W 2	7 53	9 33	0s32	1 3	4 32	6 59	0 4	9 0	6 16	12 51	0 44	19 50	0 5	23 39	0 15	20 19	0 34	4 41	14 28	11 7	11 21	9 48	12 36	6 26			
T 3	7 31	6 2	1 36	0 45	4 31	7 29	0s 0	9 5	6 16	12 47	0 44	19 49	0 5	23 39	0 15	20 19	0 34	4 41	14 28	11 7	11 22	9 46	12 35	6 26			
F 4	7 9	2 16	2 36	0 23	4 28	7 59	0 4	9 10	6 15	12 42	0 45	19 47	0 5	23 39	0 15	20 18	0 34	4 42	14 27	11 8	11 24	9 45	12 33	6 27			
S 5	6 47	1n37	3 30	0n 2	4 22	8 29	0 7	9 15	6 14	12 38	0 45	19 46	0 5	23 39	0 15	20 18	0 34	4 43	14 27	11 8	11 25	9 43	12 31	6 27			
S 6	6 25	5 28	4 15	0 30	4 15	8 58	0 11	9 20	6 12	12 33	0 45	19 44	0 5	23 39	0 15	20 18	0 34	4 44	14 26	11 9	11 26	9 41	12 29	6 27			
M 7	6 2	9 8	4 49	1 0	4 6	9 28	0 15	9 25	6 11	12 29	0 45	19 43	0 5	23 39	0 15	20 17	0 34	4 44	14 26	11 9	11 27	9 40	12 27	6 28			
T 8	5 40	12 29	5 10	1 33	3 55	9 57	0 18	9 29	6 9	12 25	0 45	19 42	0 5	23 39	0 15	20 17	0 34	4 45	14 25	11 10	11 28	9 38	12 26	6 28			
W 9	5 18	15 18	5 16	2 7	3 42	10 26	0 22	9 34	6 7	12 20	0 45	19 40	0 6	23 39	0 15	20 17	0 34	4 46	14 25	11 10	11 29	9 37	12 24	6 29			
T 10	4 55	17 27	5 7	2 42	3 28	10 55	0 26	9 38	6 5	12 16	0 45	19 39	0 6	23 39	0 15	20 17	0 34	4 47	14 24	11 11	11 30	9 35	12 22	6 29			
F 11	4 32	18 42	4 41	3 17	3 12	11 23	0 30	9 43	6 3	12 11	0 45	19 38	0 6	23 39	0 15	20 16	0 34	4 47	14 24	11 11	11 31	9 33	12 20	6 29			
S 12	4 9	18 55	3 59	3 52	2 55	11 52	0 33	9 47	6 0	12 7	0 45	19 36	0 6	23 39	0 15	20 16	0 34	4 48	14 23	11 10	11 33	9 32	12 19	6 30			
S 13	3 47	17 56	3 0	4 26	2 37	12 20	0 37	9 51	5 58	12 3	0 45	19 35	0 6	23 39	0 15	20 16	0 34	4 49	14 23	11 10	11 34	9 30	12 17	6 30			
M14	3 24	15 47	1 49	4 58	2 18	12 48	0 41	9 55	5 55	11 58	0 46	19 34	0 6	23 39	0 15	20 15	0 34	4 50	14 22	11 9	11 35	9 28	12 15	6 30			
T 15	3 1	12 31	0 29	5 28	1 58	13 15	0 45	9 59	5 52	11 54	0 46	19 33	0 6	23 39	0 15	20 15	0 34	4 51	14 22	11 9	11 36	9 27	12 13	6 31			
W16	2 38	8 24	0n54	5 55	1 38	13 43	0 49	10 2	5 49	11 49	0 46	19 31	0 6	23 39	0 15	20 15	0 34	4 51	14 21	11 9	11 37	9 25	12 12	6 31			
T 17	2 15	3 42	2 13	6 18	1 19	14 10	0 53	10 5	5 46	11 45	0 46	19 30	0 6	23 39	0 15	20 15	0 34	4 52	14 21	11 10	11 38	9 23	12 10	6 32			
F 18	1 51	1s11	3 23	6 38	1 0	14 37	0 57	10 8	5 42	11 41	0 46	19 29	0 6	23 39	0 15	20 14	0 34	4 53	14 20	11 11	11 39	9 22	12 8	6 32			
S 19	1 28	5 55	4 18	6 54	0 41	15 3	1 1	10 11	5 39	11 36	0 46	19 28	0 7	23 39	0 15	20 14	0 34	4 54	14 20	11 12	11 40	9 20	12 6	6 33			
S 20	1 5	10 11	4 54	7 6	0 23	15 29	1 5	10 13	5 35	11 32	0 46	19 26	0 7	23 39	0 15	20 14	0 34	4 55	14 19	11 13	11 41	9 18	12 5	6 33			
M21	0 42	13 45	5 12	7 13	0 6	15 55	1 9	10 15	5 31	11 28	0 46	19 25	0 7	23 39	0 15	20 14	0 34	4 55	14 19	11 14	11 43	9 17	12 3	6 34			
T 22	0 19	16 27	5 12	7 16	0n11	16 20	1 13	10 17	5 27	11 23	0 46	19 24	0 7	23 39	0 15	20 13	0 34	4 56	14 18	11 15	11 44	9 15	12 1	6 34			
W23	0s 5	18 11	4 55	7 14	0 26	16 46	1 17	10 18	5 23	11 19	0 47	19 23	0 7	23 39	0 15	20 13	0 34	4 57	14 18	11 16	11 45	9 13	12 0	6 34			
T 24	0 28	18 58	4 24	7 8	0 40	17 10	1 21	10 20	5 19	11 15	0 47	19 22	0 7	23 39	0 15	20 13	0 34	4 58	14 18	11 16	11 46	9 12	11 58	6 35			
F 25	0 51	18 48	3 41	6 58	0 52	17 35	1 25	10 20	5 15	11 10	0 47	19 20	0 7	23 39	0 15	20 13	0 34	4 58	14 17	11 16	11 47	9 10	11 56	6 35			
S 26	1 15	17 46	2 49	6 44	1 4	17 59	1 29	10 21	5 10	11 6	0 47	19 19	0 7	23 39	0 15	20 12	0 34	4 59	14 17	11 15	11 48	9 8	11 54	6 36			
S 27	1 38	15 57	1 51	6 26	1 14	18 22	1 33	10 21	5 6	11 2	0 47	19 18	0 7	23 39	0 15	20 12	0 34	5 0	14 16	11 15	11 49	9 7	11 53	6 36			
M28	2 1	13 28	0 48	6 4	1 23	18 45	1 37	10 21	5 1	10 58	0 47	19 17	0 7	23 39	0 15	20 12	0 34	5 1	14 16	11 14	11 50	9 5	11 51	6 37			
T 29	2 24	10 26	0s16	5 39	1 31	18 8	1 41	10 21	4 57	10 53	0 47	19 16	0 8	23 39	0 15	20 12	0 34	5 2	14 15	11 14	11 51	9 3	11 49	6 37			
W30	2s48	6s59	1s20	5n11	1n37	19s31	1s45	10s20	4s52	10n49	0n48	19n15	0n 8	23s39	0s15	20n12	0s34	5s 2	14n15	11n14	11n52	9s 2	11n48	6s38			

ASTRODIENST EPHEMERIS for the year 2240
geocentric

OCTOBER 2240

00:00 UT

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

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	3s11	3s14	2s20	4n40	1n43	19s52	1s48	10s19	4s48	10n45	0n48	19n14	0n 8	23s39	0s15	20n11
F 2	3 34	0n40	3 15	4 6	1 47	20 14	1 52	10 17	4 43	10 41	0 48	19 13	0 8	23 39	0 15	20 11
S 3	3 57	4 35	4 1	3 31	1 50	20 35	1 56	10 16	4 38	10 37	0 48	19 12	0 8	23 39	0 15	20 11
S 4	4 20	8 22	4 37	2 53	1 52	20 55	2 0	10 13	4 33	10 32	0 48	19 11	0 8	23 39	0 15	20 11
M 5	4 43	11 50	5 0	2 14	1 54	21 15	2 4	10 11	4 28	10 28	0 48	19 10	0 8	23 39	0 15	20 11
T 6	5 6	14 49	5 9	1 33	1 54	21 35	2 8	10 8	4 24	10 24	0 48	19 9	0 8	23 39	0 15	20 10
W 7	5 29	17 8	5 3	0 51	1 54	21 54	2 11	10 5	4 19	10 20	0 48	19 8	0 8	23 39	0 15	20 10
T 8	5 52	18 37	4 41	0 8	1 53	22 12	2 15	10 2	4 14	10 16	0 49	19 7	0 9	23 39	0 15	20 10
F 9	6 15	19 7	4 3	0s36	1 51	22 30	2 19	9 58	4 9	10 12	0 49	19 6	0 9	23 39	0 15	20 10
S 10	6 37	18 30	3 11	1 20	1 49	22 48	2 22	9 54	4 4	10 8	0 49	19 5	0 9	23 39	0 15	20 10
S 11	7 0	16 46	2 7	2 4	1 46	23 5	2 26	9 50	3 59	10 4	0 49	19 4	0 9	23 39	0 15	20 10
M 12	7 22	13 58	0 53	2 49	1 42	23 21	2 30	9 45	3 54	10 0	0 49	19 3	0 9	23 39	0 15	20 10
T 13	7 45	10 14	0n25	3 34	1 38	23 37	2 33	9 41	3 49	9 56	0 49	19 3	0 9	23 39	0 15	20 9
W 14	8 7	5 49	1 43	4 19	1 34	23 52	2 36	9 35	3 44	9 52	0 50	19 2	0 9	23 39	0 15	20 9
T 15	8 29	1 0	2 54	5 4	1 30	24 7	2 40	9 30	3 40	9 48	0 50	19 1	0 9	23 39	0 15	20 9
F 16	8 51	3s52	3 53	5 49	1 25	24 21	2 43	9 24	3 35	9 44	0 50	19 0	0 9	23 39	0 15	20 9
S 17	9 13	8 27	4 36	6 33	1 19	24 35	2 46	9 18	3 30	9 40	0 50	19 0	0 10	23 39	0 15	20 9
S 18	9 35	12 26	5 0	7 17	1 14	24 48	2 49	9 12	3 25	9 36	0 50	18 59	0 10	23 39	0 15	20 9
M 19	9 57	15 37	5 5	8 1	1 8	25 0	2 53	9 5	3 20	9 33	0 50	18 58	0 10	23 39	0 15	20 9
T 20	10 18	17 49	4 53	8 44	1 2	25 12	2 56	8 59	3 16	9 29	0 51	18 58	0 10	23 39	0 15	20 9
W 21	10 40	18 59	4 25	9 27	0 56	25 23	2 59	8 52	3 11	9 25	0 51	18 57	0 10	23 39	0 15	20 9
T 22	11 1	19 9	3 44	10 9	0 50	25 33	3 1	8 44	3 7	9 21	0 51	18 56	0 10	23 39	0 15	20 9
F 23	11 22	18 22	2 54	10 51	0 43	25 43	3 4	8 37	3 2	9 18	0 51	18 56	0 10	23 39	0 15	20 9
S 24	11 43	16 44	1 57	11 32	0 37	25 53	3 7	8 29	2 58	9 14	0 51	18 55	0 10	23 39	0 15	20 9
S 25	12 4	14 25	0 56	12 12	0 30	26 1	3 9	8 21	2 53	9 10	0 51	18 55	0 10	23 39	0 15	20 8
M 26	12 24	11 30	0s 7	12 52	0 24	26 9	3 12	8 13	2 49	9 7	0 52	18 54	0 11	23 39	0 15	20 8
T 27	12 44	8 8	1 9	13 31	0 17	26 17	3 14	8 4	2 44	9 3	0 52	18 54	0 11	23 38	0 15	20 8
W 28	13 5	4 26	2 9	14 9	0 10	26 24	3 17	7 55	2 40	9 0	0 52	18 53	0 11	23 38	0 15	20 8
T 29	13 25	0 31	3 3	14 46	0 3	26 30	3 19	7 47	2 36	8 56	0 52	18 53	0 11	23 38	0 15	20 8
F 30	13 44	3n28	3 50	15 23	0s 4	26 35	3 21	7 37	2 32	8 53	0 52	18 52	0 11	23 38	0 15	20 8
S 31	14s 4	7n22	4s26	15s58	0s10	26s40	3s23	7s28	2s27	8n49	0n52	18n52	0n11	23s38	0s15	20n 8

Julian Day Number = 2539476.5, Delta T = 208.45 sec
Ecliptic obliquity = 23°24'21", Nutation = - 0°00'10", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 28°06'18, Lahiri = 27°13'18

ASTRODIENST EPHEMERIS for the year 2240
geocentric

DECEMBER 2240

00:00 UT

Day	Sid.t	☉	☾	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	4 40 9	8°52'11	17°11'50	29°10'23	23°29'28	14°13'22	6°R22	3°16'26	26°R50	26°M53	24°R50	25°Ω31	15°X53	10°R15	T 1	
W 2	4 44 5	9°52'53	1°25'08	0°26'24	24°15'28	43°13'27	6°Ω21	3°19'26	26°Ω49	26°56'24	24°Ω40	25°28'16	0°10'10	14°W 2	W 2	
T 3	4 48 2	10°53'37	15°10'10	1°40'24	24°59'29	11°13'32	6°19'32	3°23'26	26°48'26	58°24'32	25°25'16	7°10'13	T 3	T 3	T 3	
F 4	4 51 58	11°54'22	29°3'20	2°52'25	43°25'29	37°13'37	6°18'32	3°26'26	47°27°1	24°26'25	22°16'13	10°12'10	F 4	F 4	F 4	
S 5	4 55 55	12°55'08	13°Ω1	4°1'26	26°26'0	9°13'42	6°16'32	3°29'26	46°27°3	24°24'25	18°16°20	10°10'10	S 5	S 5	S 5	
S 6	4 59 51	13°55'56	27°2'27	5°7'27	7°0°38	47°13'47	6°14'32	3°33'26	45°27°5	24°D24	25°15'16	27°10°9	S 6	S 6	S 6	
M 7	5 3 48	14°56'46	11°M6	6°10'27	48°1°8	51°13'51	6°12'32	3°36'26	44°27°8	24°R24	25°12'16	33°10°8	M 7	M 7	M 7	
T 8	5 7 45	15°57'37	25°12'7	8°28'27	1°38'13	55°13'55	6°9'34	3°40'26	43°27°10	24°24'25	9°16°40	10°6°10	T 8	T 8	T 8	
W 9	5 11 41	16°58'29	9°Ω19	8°2'29	5°2°8	0°14°0	6°7'34	3°43'26	42°27°12	24°22'25	6°16°47	10°4°10	W 9	W 9	W 9	
T 10	5 15 38	17°59'22	23°25'23	8°50'29	41°2°38	3°14°0	6°5'34	3°47'26	40°27°14	24°17'25	3°16°53	10°3°10	T 10	T 10	T 10	
F 11	5 19 34	19°0'17	7°M28	9°33'0	17°3°9	7°14°0	6°2'35	3°50'26	39°27°17	24°10'24	59°17°0	1°10°1	F 11	F 11	F 11	
S 12	5 23 31	20°1'13	21°25'10	9°10°9	51°0°5	40°3°40	14°11'6	0°354	26°38'27	19°24°0	56°17°7	9°59'9	S 12	S 12	S 12	
S 13	5 27 27	21°2'11	5°Ω12	10°37'1	23°1°23	11°14°14	5°57'32	3°57'26	37°27°21	23°49'24	53°17°13	9°57'9	S 13	S 13	S 13	
M14	5 31 24	22°3'09	18°45'10	57°1°55	42°4°4	17°14°17	5°54'42	1°26°35	27°24'23	38°24°50	17°20'17	9°55'9	M14	M14	M14	
T 15	5 35 20	23°4'08	2°2'11	7°2°24	5°14°14	20°14°20	5°51'42	4°26°34	27°26'23	28°24°47	17°27'17	9°53'9	T 15	T 15	T 15	
W16	5 39 17	24°5'08	15°0'11	8°2°52	5°45°14	23°14°23	5°49'42	4°26°33	27°28'23	20°24°44	17°33'17	9°50'9	W16	W16	W16	
T 17	5 43 14	25°6'09	27°40'10	57°1°55	42°4°4	17°14°17	5°54'42	1°26°35	27°24'23	38°24°50	17°20'17	9°55'9	T 17	T 17	T 17	
F 18	5 47 10	26°7'10	10°Ω1	10°36'3	43°6°49	14°28'54	4°15'26	30°27°32	23°11'24	37°17°46	9°48'9	48°18°46	F 18	F 18	F 18	
S 19	5 51 7	27°8'12	22°8'10	2°4°5	7°22'14	31°14°31	5°39'42	19°26°28	27°35'23	D10°24	34°17°53	9°43'9	S 19	S 19	S 19	
S 20	5 55 3	28°9'15	4°X4	9°18'4	26°4°26	33°14°33	5°36'42	23°26°27	27°37'23	10°24°31	18°0°9	40°9°40	S 20	S 20	S 20	
M21	5 59 0	29°10'17	15°54'8	22°8°22	44°8°27	35°14°35	5°32'42	26°25'26	27°39'23	11°24°28	18°6°9	38°9°38	M21	M21	M21	
T 22	6 2 56	0°31'12	27°42'7	17°5°1	59°8°59	36°14°36	5°29'43	30°26°24	27°41'23	12°24°24	18°13'9	35°9°35	T 22	T 22	T 22	
W23	6 6 53	1°12'24	9°Y34	6°3'5	16°9°32	38°14°38	5°25'43	33°26°22	27°43'23	12°24°21	18°20'9	32°9°32	W23	W23	W23	
T 24	6 10 49	2°13'28	21°36'4	44°5°28	10°5°14	39°14°40	5°22'43	37°26°21	27°45'23	9°24°18	18°26'9	29°9°29	T 24	T 24	T 24	
F 25	6 14 46	3°14'32	3°X53	3°22'5	39°5°39	10°39'14	5°18'41	41°26°19	27°47'23	5°24°15	18°33'9	26°9°26	F 25	F 25	F 25	
S 26	6 18 43	4°15'36	16°27'1	59°5°46	11°12'14	41°14°41	5°14'44	44°26°18	27°49'22	59°24°12	18°40'9	23°9°23	S 26	S 26	S 26	
S 27	6 22 39	5°16'41	29°23'0	39°5°52	11°46'14	42°14°42	5°10'44	48°26°16	27°51'22	51°24°9	18°46'9	20°9°20	S 27	S 27	S 27	
M28	6 26 36	6°17'46	12°II41	29°X24	5°55'12	19°14°42	5°6'45	52°26°15	27°53'22	42°24°5	18°53'9	16°9°16	M28	M28	M28	
T 29	6 30 32	7°18'52	26°20'28	15°5°R56	12°53'12	5°14°43	5°2'45	55°26°13	27°55'22	34°24°2	19°0°9	13°9°13	T 29	T 29	T 29	
W30	6 34 29	8°19'57	10°Ω17	27°16'5	54°5°54	13°27'14	4°58'45	59°26°12	27°57'23	27°23°59	19°6°9	10°9°10	W30	W30	W30	
T 31	6 38 25	9°21'03	24°Ω29	26°X26	5°50'14	Y1°14	4°Ω54	5°2'26	Ω10°27	59°22°23	Ω22°23	Ω56°19	X13°9	Ω6°1	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
T 1	21s45	18n15	4s37	25s52	2s28	24s25	3s6	1s24	0s46	7n26	0n59	18n54	0n15	23s37	0s15	20n11	0s35	5s45	14n3	13n13	13n0	7s13	10n37	7s18			
W 2	21 54	19 22	4 2	25 52	2 27	24 14	3 2	1 11	0 44	7 25	1 0	18 54	0 15	23 37	0 15	20 11	0 35	5 45	14 3	13 17	13 1	7 11	10 36	7 18			
T 3	22 3	19 22	3 12	25 50	2 26	24 1	2 58	0 57	0 41	7 23	1 0	18 55	0 15	23 36	0 15	20 12	0 35	5 45	14 3	13 20	13 2	7 9	10 36	7 19			
F 4	22 11	18 12	2 10	25 46	2 24	23 49	2 54	0 44	0 39	7 21	1 0	18 55	0 15	23 36	0 15	20 12	0 35	5 46	14 3	13 21	13 3	7 7	10 36	7 20			
S 5	22 19	15 55	1 0	25 41	2 21	23 36	2 49	0 30	0 36	7 20	1 0	18 56	0 15	23 36	0 15	20 12	0 35	5 46	14 3	13 22	13 4	7 5	10 35	7 20			
S 6	22 26	12 42	0n14	25 35	2 17	23 23	2 44	0 16	0 34	7 18	1 1	18 56	0 16	23 36	0 15	20 12	0 35	5 47	14 3	13 22	13 5	7 4	10 35	7 21			
M 7	22 33	8 45	1 28	25 28	2 12	23 10	2 38	0 2	0 32	7 17	1 1	18 57	0 16	23 36	0 15	20 12	0 35	5 47	14 3	13 22	13 6	7 2	10 35	7 22			
T 8	22 40	4 18	2 36	25 19	2 7	22 56	2 33	0n12	0 30	7 15	1 1	18 58	0 16	23 36	0 15	20 13	0 35	5 48	14 3	13 22	13 7	7 0	10 35	7 22			
W 9	22 46	0s23	3 35	25 9	2 0	22 42	2 27	0 26	0 27	7 14	1 1	18 58	0 16	23 36	0 15	20 13	0 35	5 48	14 3	13 23	13 8	6 58	10 35	7 23			
T 10	22 52	5 2	4 21	24 59	1 52	22 28	2 20	0 40	0 25	7 13	1 2	18 59	0 16	23 36	0 15	20 13	0 35	5 48	14 3	13 24	13 9	6 56	10 34	7 23			
F 11	22 57	9 24	4 51	24 47	1 43	22 14	2 14	0 54	0 23	7 11	1 2	19 0	0 16	23 36	0 15	20 13	0 35	5 49	14 4	13 27	13 10	6 54	10 34	7 24			
S 12	23 2	13 13	5 3	24 34	1 33	22 0	2 7	1 8	0 21	7 10	1 2	19 1	0 16	23 36	0 15	20 14	0 35	5 49	14 4	13 30	13 11	6 53	10 34	7 25			
S 13	23 6	16 15	4 57	24 21	1 22	21 46	1 59	1 22	0 19	7 9	1 2	19 1	0 16	23 36	0 15	20 14	0 35	5 49	14 4	13 34	13 13	6 51	10 34	7 25			
M14	23 10	18 22	4 35	24 6	1 9	21 31	1 52	1 36	0 17	7 8	1 3	19 2	0 17	23 35	0 15	20 14	0 35	5 50	14 4	13 37	13 14	6 49	10 34	7 26			
T 15	23 13	19 25	3 58	23 52	0 55	21 17	1 44	1 51	0 15	7 7	1 3	19 3	0 17	23 35	0 15	20 14	0 35	5 50	14 4	13 41	13 15	6 47	10 34	7 26			
W16	23 16	19 25	3 9	23 36	0 40	21 2	1 35	2 5	0 13	7 7	1 3	19 4	0 17	23 35	0 15	20 15	0 35	5 50	14 4	13 43	13 16	6 45	10 34	7 27			
T 17	23 19	18 26	2 12	23 21	0 23	20 47	1 26	2 19	0 11	7 6	1 3	19 5	0 17	23 35	0 15	20 15	0 35	5 51	14 4	13 45	13 17	6 43	10 34	7 28			
F 18	23 21	16 35	1 10	23 5	0 6	20 33	1 17	2 34	0 9	7 5	1 4	19 6	0 17	23 35	0 15	20 15	0 35	5 51	14 4	13 46	13 18	6 42	10 34	7 28			
S 19	23 22	14 1	0 5	22 48	0n13	20 18	1 7	2 48	0 8	7 4	1 4	19 7	0 17	23 35	0 15	20 15	0 35	5 51	14 5	13 47	13 19	6 40	10 35	7 29			
S 20	23 24	10 55	0s58	22 32	0 33	20 3	0 58	3 2	0 6	7 4	1 4	19 8	0 17	23 35	0 15	20 16	0 35	5 52	14 5	13 47	13 20	6 38	10 35	7 29			
M21	23 24	7 23	1 59	22 16	0 53	19 49	0 47	3 17	0 4	7 3	1 4	19 8	0 17	23 35	0 15	20 16	0 35	5 52	14 5	13 46	13 21	6 36	10 35	7 30			
T 22	23 24	3 36	2 55	22 0	1 13	19 34	0 36	3 31	0 2	7 3	1 5	19 9	0 18	23 35	0 15	20 16	0 35	5 52	14 5	13 46	13 22	6 34	10 35	7 30			
W23	23 24	0n22	3 44	21 44	1 32	19 20	0 25	3 46	0 1	7 3	1 5	19 10	0 18	23 34	0 15	20 17	0 35	5 52	14 5	13 46	13 23	6 32	10 35	7 31			
T 24	23 23	4 21	4 23	21 29	1 51	19 6	0 14	4 0	0n1	7 2	1 5	19 11	0 18	23 34	0 15	20 17	0 35	5 53	14 6	13 47	13 24	6 30	10 36	7 31			
F 25	23 22	8 13	4 51	21 14	2 8	18 52	0 2	4 15	0 3	7 2	1 6	19 12	0 18	23 34	0 15	20 17	0 35	5 53	14 6	13 48	13 25	6 29	10 36	7 32			
S 26	23 20	11 51	5 6	21 0	2 23	18 38	0n11	4 29	0 4	7 2	1 6	19 14	0 18	23 34	0 15	20 17	0 35	5 53	14 6	13 50	13 26	6 27	10 36	7 32			
S 27	23 18	15 0	5 6	20 48	2 37	18 24	0 23	4 44	0 6	7 2	1 6	19 15	0 18	23 34	0 15	20 18	0 35	5 53	14 6	13 53	13 27	6 25	10 37	7 33			
M28	23 15	17 30	4 50	20 37	2 47	18 11	0 37	4 59	0 7	7 2	1 6	19 16	0 18	23 34	0 15	20 18	0 35	5 53	14 6	13 56	13 28	6 23	10 37	7 33			
T 29	23 12	19 5	4 17	20 28	2 56	17 57	0 50	5 13	0 9	7 2	1 7	19 17	0 18	23 34	0 15	20 18	0 35	5 54	14 7	13 58	13 29	6 21	10 38	7 33			
W30	23 9	19 33	3 28	20 21	3 2	17 44	1 4	5 28	0 10	7 2	1 7	19 18	0 19	23 34	0 15	20 19	0 35	5 54	14 7	14 1	13 30	6 19	10 38	7 34			
T 31	23s5	18n49	2s25	20s16	3n5	17s32	1n18	5n42	0n12	7n3	1n7	19n19	0n19	23s33	0s15	20n19	0s35	5s54	14n7	14n2	13n32	6s17	10n39	7s34			