



Astrodienst Ephemeris Tables for the year 2242

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 2242
geocentric

JANUARY 2242

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	6 41 24	10♈ 7'16	23♌ 4'1	18♊ 3'33	24♈ 5'7	7♌ 8	13♎ 3'3	19♑ R38	9♈ 6	28♑ R26	0♌ 2'9	3♑ R25	4♎ 3'3	0♈ 4	23♑ R24	S 1
S 2	6 45 21	11° 8'25	7♈ 5'4	19° 45	26° 12	7° 49	13° 38	19♎ 3'5	9° 10	28♈ 2'4	0° 31	3♎ 2'2	4° 30	0° 10	23♎ 2'1	S 2
M 3	6 49 17	12° 9'35	21° 49	20° 59	27° 27	8° 31	13° 43	19° 31	9° 13	28° 23	0° 33	3° 21	4° 27	0° 17	23° 18	M 3
T 4	6 53 14	13° 10'44	5♎ 2'4	22° 15	28° 43	9° 12	13° 48	19° 28	9° 17	28° 21	0° 35	3° D20	4° 23	0° 24	23° 15	T 4
W 5	6 57 11	14° 11'54	18° 38	23° 33	29° 58	9° 54	13° 52	19° 24	9° 21	28° 19	0° 37	3° 21	4° 20	0° 31	23° 13	W 5
T 6	7 1 7	15° 13'04	1♈ 3'0	24° 52	1♎ 1'3	10° 35	13° 57	19° 21	9° 24	28° 18	0° 39	3° 22	4° 17	0° 37	23° 10	T 6
F 7	7 5 4	16° 14'13	14° 2	26° 13	2° 28	11° 17	14° 1	19° 17	9° 28	28° 16	0° 40	3° 24	4° 14	0° 44	23° 7	F 7
S 8	7 9 0	17° 15'22	26° 18	27° 34	3° 43	11° 59	14° 5	19° 13	9° 31	28° 15	0° 42	3° 25	4° 11	0° 51	23° 3	S 8
S 9	7 12 57	18° 16'31	8♑ 2'1	28° 57	4° 59	12° 40	14° 9	19° 10	9° 35	28° 13	0° 44	3° 26	4° 8	0° 57	23° 0	S 9
M10	7 16 53	19° 17'39	20° 16	0♈ 2'1	6° 14	13° 22	14° 12	19° 6	9° 39	28° 11	0° 46	3° R26	4° 4	1° 4	22° 57	M10
T 11	7 20 50	20° 18'47	2♈ 9	1° 45	7° 29	14° 4	14° 16	19° 2	9° 42	28° 10	0° 47	3° 26	4° 1	1° 11	22° 54	T 11
W12	7 24 46	21° 19'55	14° 3	3° 10	8° 44	14° 45	14° 19	18° 58	9° 46	28° 8	0° 49	3° 25	3° 58	1° 18	22° 50	W12
T 13	7 28 43	22° 21'03	26° 3	4° 36	9° 59	15° 27	14° 22	18° 54	9° 49	28° 6	0° 51	3° 24	3° 55	1° 24	22° 47	T 13
F 14	7 32 40	23° 22'10	8♐ 1'3	6° 3	11° 14	16° 9	14° 25	18° 50	9° 53	28° 4	0° 53	3° 22	3° 52	1° 31	22° 43	F 14
S 15	7 36 36	24° 23'17	20° 36	7° 30	12° 29	16° 51	14° 28	18° 45	9° 56	28° 3	0° 54	3° 21	3° 48	1° 38	22° 39	S 15
S 16	7 40 33	25° 24'23	3♎ 1'4	8° 58	13° 45	17° 33	14° 31	18° 41	10° 0	28° 1	0° 56	3° 20	3° 45	1° 45	22° 36	S 16
M17	7 44 29	26° 25'29	16° 9	10° 27	15° 0	18° 15	14° 33	18° 37	10° 3	27° 59	0° 57	3° 19	3° 42	1° 51	22° 32	M17
T 18	7 48 26	27° 26'34	29° 20	11° 56	16° 15	18° 57	14° 36	18° 33	10° 7	27° 58	0° 59	3° D19	3° 39	1° 58	22° 28	T 18
W19	7 52 22	28° 27'39	12♎ 1'4	13° 26	17° 30	19° 39	14° 38	18° 28	10° 10	27° 56	1° 1	3° 19	3° 36	2° 5	22° 24	W19
T 20	7 56 19	29° 28'44	26° 28	14° 56	18° 45	20° 21	14° 40	18° 24	10° 14	27° 54	1° 2	3° 19	3° 33	2° 11	22° 20	T 20
F 21	8 0 16	0♎ 29'48	10♐ 2'0	16° 27	20° 0	21° 3	14° 41	18° 19	10° 17	27° 53	1° 4	3° 19	3° 29	2° 18	22° 16	F 21
S 22	8 4 12	1° 30'52	24° 21	17° 59	21° 15	21° 45	14° 43	18° 15	10° 21	27° 51	1° 5	3° 19	3° 26	2° 25	22° 12	S 22
S 23	8 8 9	2° 31'56	8♌ 2'9	19° 31	22° 30	22° 27	14° 44	18° 10	10° 24	27° 49	1° 6	3° 20	3° 23	2° 32	22° 8	S 23
M24	8 12 5	3° 32'59	22° 39	21° 3	23° 45	23° 9	14° 45	18° 5	10° 27	27° 48	1° 8	3° R20	3° 20	2° 38	22° 4	M24
T 25	8 16 2	4° 34'03	6♐ 1'5	22° 37	25° 0	23° 51	14° 46	18° 1	10° 31	27° 46	1° 9	3° D20	3° 17	2° 45	22° 0	T 25
W26	8 19 58	5° 35'06	21° 2	24° 10	26° 14	24° 34	14° 47	17° 56	10° 34	27° 44	1° 10	3° 20	3° 14	2° 52	21° 55	W26
T 27	8 23 55	6° 36'08	5♌ 9	25° 45	27° 29	25° 16	14° 47	17° 51	10° 38	27° 43	1° 12	3° 20	3° 10	2° 58	21° 51	T 27
F 28	8 27 51	7° 37'10	19° 10	27° 20	28° 44	25° 58	14° 48	17° 46	10° 41	27° 41	1° 13	3° 20	3° 7	3° 5	21° 47	F 28
S 29	8 31 48	8° 38'12	3♈ 4	28° 55	29° 59	26° 40	14° R48	17° 42	10° 44	27° 39	1° 14	3° 21	3° 4	3° 12	21° 42	S 29
S 30	8 35 45	9° 39'13	16° 47	0♎ 3'1	1♈ 1'4	27° 23	14° 48	17° 37	10° 47	27° 38	1° 15	3° 21	3° 1	3° 19	21° 38	S 30
M31	8 39 41	10° 40'14	0♎ 1'7	2° 8	2♈ 2'9	28° 5	14° 48	17° 32	10° 51	27° 36	1° 17	3° R21	2° 58	3° 25	21° 34	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	23s 1	19s55	3n21	21s22	1n33	22s21	1s16	21s23	0n 6	4s10	1n17	15n47	0n56	23s24	0s18	19n56	0s31	6s48	13n42	19n22	19n 6	6n40	6n56	7s10			
S 2	22 56	20 55	2 16	21 36	1 25	22 9	1 17	21 30	0 5	4 12	1 17	15 49	0 56	23 23	0 18	19 57	0 31	6 48	13 43	19 23	19 7	6 42	6 56	7 10			
M 3	22 51	20 36	1 3	21 50	1 16	21 55	1 19	21 37	0 4	4 13	1 17	15 50	0 56	23 23	0 18	19 57	0 31	6 48	13 43	19 23	19 7	6 45	6 57	7 10			
T 4	22 45	19 5	0s11	22 3	1 8	21 42	1 20	21 44	0 4	4 15	1 17	15 51	0 56	23 23	0 18	19 57	0 31	6 48	13 43	19 23	19 8	6 47	6 57	7 11			
W 5	22 39	16 33	1 23	22 16	0 59	21 27	1 21	21 51	0 3	4 16	1 18	15 52	0 56	23 23	0 18	19 58	0 31	6 48	13 43	19 23	19 9	6 49	6 58	7 11			
T 6	22 32	13 15	2 29	22 27	0 51	21 12	1 22	21 58	0 2	4 18	1 18	15 54	0 56	23 22	0 18	19 58	0 31	6 49	13 44	19 23	19 10	6 51	6 58	7 12			
F 7	22 25	9 27	3 26	22 38	0 43	20 56	1 24	22 4	0 2	4 19	1 18	15 55	0 57	23 22	0 18	19 58	0 31	6 49	13 44	19 22	19 10	6 54	6 59	7 12			
S 8	22 18	5 20	4 12	22 49	0 34	20 40	1 25	22 11	0 1	4 20	1 18	15 56	0 57	23 22	0 18	19 59	0 31	6 49	13 44	19 22	19 11	6 56	6 59	7 13			
S 9	22 10	1 5	4 47	22 58	0 26	20 23	1 26	22 17	0 0	4 22	1 19	15 57	0 57	23 22	0 18	19 59	0 31	6 49	13 44	19 22	19 12	6 58	7 0	7 13			
M10	22 1	3n 9	5 8	23 6	0 18	20 6	1 27	22 23	0s 0	4 23	1 19	15 59	0 57	23 21	0 18	19 59	0 31	6 49	13 45	19 22	19 13	7 0	7 1	7 13			
T 11	21 52	7 15	5 16	23 13	0 10	19 47	1 28	22 28	0 1	4 24	1 19	16 0	0 57	23 21	0 18	20 0	0 31	6 49	13 45	19 22	19 13	7 3	7 1	7 14			
W12	21 43	11 5	5 11	23 20	0 2	19 29	1 29	22 34	0 2	4 25	1 19	16 2	0 57	23 21	0 18	20 0	0 31	6 49	13 45	19 22	19 14	7 5	7 2	7 14			
T 13	21 33	14 30	4 52	23 25	0s 5	19 10	1 30	22 39	0 2	4 26	1 20	16 3	0 58	23 21	0 18	20 0	0 31	6 49	13 46	19 22	19 15	7 7	7 3	7 14			
F 14	21 23	17 22	4 20	23 29	0 13	18 50	1 30	22 44	0 3	4 27	1 20	16 4	0 58	23 20	0 18	20 1	0 31	6 49	13 46	19 23	19 16	7 9	7 4	7 15			
S 15	21 13	19 30	3 35	23 32	0 20	18 29	1 31	22 49	0 4	4 28	1 20	16 6	0 58	23 20	0 18	20 1	0 31	6 49	13 46	19 23	19 16	7 12	7 5	7 15			
S 16	21 2	20 43	2 39	23 33	0 27	18 9	1 32	22 54	0 4	4 29	1 20	16 7	0 58	23 20	0 18	20 2	0 31	6 49	13 46	19 23	19 17	7 14	7 5	7 15			
M17	20 50	20 53	1 34	23 34	0 34	17 47	1 32	22 58	0 5	4 29	1 21	16 9	0 58	23 20	0 18	20 2	0 31	6 49	13 47	19 23	19 18	7 16	7 6	7 16			
T 18	20 39	19 54	0 22	23 33	0 41	17 25	1 33	23 3	0 6	4 30	1 21	16 10	0 58	23 19	0 18	20 2	0 31	6 49	13 47	19 23	19 19	7 18	7 7	7 16			
W19	20 26	17 47	0n52	23 31	0 48	17 3	1 33	23 7	0 6	4 30	1 21	16 12	0 58	23 19	0 18	20 3	0 31	6 49	13 47	19 23	19 19	7 21	7 8	7 16			
T 20	20 14	14 38	2 5	23 28	0 54	16 40	1 34	23 10	0 7	4 31	1 22	16 13	0 59	23 19	0 18	20 3	0 31	6 49	13 48	19 23	19 20	7 23	7 9	7 17			
F 21	20 1	10 38	3 11	23 23	1 0	16 17	1 34	23 14	0 8	4 31	1 22	16 15	0 59	23 19	0 18	20 3	0 31	6 49	13 48	19 23	19 21	7 25	7 10	7 17			
S 22	19 48	6 1	4 7	23 17	1 6	15 53	1 34	23 18	0 9	4 32	1 22	16 16	0 59	23 18	0 18	20 4	0 31	6 49	13 48	19 23	19 22	7 27	7 11	7 17			
S 23	19 34	1 3	4 48	23 10	1 12	15 29	1 34	23 21	0 9	4 32	1 22	16 18	0 59	23 18	0 18	20 4	0 31	6 49	13 49	19 23	19 22	7 30	7 12	7 17			
M24	19 20	3s58	5 12	23 2	1 17	15 4	1 35	23 24	0 10	4 32	1 23	16 19	0 59	23 18	0 18	20 4	0 31	6 49	13 49	19 23	19 23	7 32	7 14	7 17			
T 25	19 6	8 48	5 17	22 52	1 22	14 39	1 35	23 27	0 11	4 32	1 23	16 21	0 59	23 18	0 18	20 5	0 31	6 49	13 49	19 23	19 24	7 34	7 15	7 18			
W26	18 51	13 7	5 2	22 41	1 27	14 14	1 34	23 29	0 12	4 32	1 23	16 23	0 59	23 17	0 18	20 5	0 31	6 49	13 50	19 23	19 25	7 36	7 16	7 18			
T 27	18 36	16 42	4 30	22 29	1 32	13 48	1 34	23 32	0 12	4 32	1 23	16 24	0 59	23 17	0 18	20 5	0 31	6 48	13 50	19 23	19 25	7 39	7 17	7 18			
F 28	18 20	19 17	3 41	22 15	1 37	13 22	1 34	23 34	0 13	4 32	1 24	16 26	1 0	23 17	0 18	20 6	0 31	6 48	13 51	19 23	19 26	7 41	7 18	7 18			
S 29	18 5	20 42	2 40	22 0	1 41	12 56	1 34	23 36	0 14	4 32	1 24	16 27	1 0	23 17	0 18	20 6	0 31	6 48	13 51	19 23	19 27	7 43	7 20	7 18			
S 30	17 49	20 51	1 31	21 43	1 45	12 29	1 34	23 37	0 14	4 32	1 24	16 29	1 0	23 16	0 18	20 6	0 31	6 48	13 51	19 23	19 27	7 45	7 21	7 18			
M31	17s32	19s47	0n17	21s25	1s48	12s 2	1s33	23s39	0s15	4s31	1n24	16n31	1n 0	23s16	0s18	20n 7	0s31	6s48	13n52	19n23	19n28	7n48	7n22	7s18			

ASTRODIENST EPHEMERIS for the year 2242

geocentric

FEBRUARY 2242

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	8 43 38	11 ³⁴ 1'13	13 ³³ 33	3 ³⁴ 45	3 ³⁴ 44	28 ³⁴ 48	14 ⁴⁷ R47	17 ²⁷ R27	10 ³⁵ 54	27 ²⁷ R34	1 ³⁴ 18	3 ²⁰ R21	2 ⁵⁴ Ω54	3 ³² ♂32	21 ²⁰ R29	T 1
W 2	8 47 34	12 ⁴² 12	26 ³⁴ 34	5 ²³ 23	4 ⁵⁸ 58	29 ³⁰ 30	14 ⁴⁷ ♂47	17 ²⁷ Ω22	10 ⁵⁷ 57	27 ²⁷ ♂33	1 ¹⁹ 19	3 ²¹ Ω21	2 ⁵¹ 2 ⁵¹	3 ³⁹ 3 ³⁹	21 ²⁰ Ω25	W 2
T 3	8 51 31	13 ⁴³ 10	9 ³⁴ 19	7 ² 2	6 ¹³ 13	0 ³² 12	14 ⁴⁶ 46	17 ¹⁷ 17	11 ⁰ 0	27 ³¹ 31	1 ²⁰ 20	3 ²⁰ 20	2 ⁴⁸ 2 ⁴⁸	3 ⁴⁶ 3 ⁴⁶	21 ²⁰ 20	T 3
F 4	8 55 27	14 ⁴⁴ 06	21 ⁴⁸ 48	8 ⁴¹ 41	7 ²⁸ 28	0 ⁵⁵ 55	14 ⁴⁵ 45	17 ¹² 12	11 ⁰ 0	27 ²⁹ 29	1 ²¹ 21	3 ¹⁸ 18	2 ⁴⁵ 2 ⁴⁵	3 ⁵² 3 ⁵²	21 ¹⁶ 16	F 4
S 5	8 59 24	15 ⁴⁵ 01	4 ³⁴ 3	10 ²¹ 21	8 ⁴³ 43	1 ³⁷ 37	14 ⁴⁴ 44	17 ⁸ 8	11 ⁷ 7	27 ²⁸ 28	1 ²² 22	3 ¹⁶ 16	2 ⁴² 2 ⁴²	3 ⁵⁹ 3 ⁵⁹	21 ¹¹ 11	S 5
S 6	9 3 20	16 ⁴⁵ 56	16 ⁷ 7	12 ² 2	9 ⁵⁷ 57	2 ²⁰ 20	14 ⁴³ 43	17 ³ 3	11 ¹⁰ 10	27 ²⁶ 26	1 ²³ 23	3 ¹⁴ 14	2 ³⁹ 2 ³⁹	4 ⁶ 6	21 ⁶ 6	S 6
M 7	9 7 17	17 ⁴⁶ 48	28 ³ 3	13 ⁴³ 43	11 ¹² 12	3 ³ 3	14 ⁴¹ 41	16 ⁵⁸ 58	11 ¹³ 13	27 ²⁵ 25	1 ²⁴ 24	3 ¹³ 13	2 ³⁵ 2 ³⁵	4 ¹² 12	21 ² 2	M 7
T 8	9 11 13	18 ⁴⁷ 40	9 ³⁵ 6	15 ²⁶ 26	12 ²⁶ 26	3 ⁴⁵ 45	14 ³⁹ 39	16 ⁵³ 53	11 ¹⁶ 16	27 ²³ 23	1 ²⁵ 25	3 ¹² 12	2 ³² 2 ³²	4 ¹⁹ 19	20 ⁵⁷ 57	T 8
W 9	9 15 10	19 ⁴⁸ 30	21 ⁴⁹ 49	17 ⁸ 8	13 ⁴¹ 41	4 ²⁸ 28	14 ³⁷ 37	16 ⁴⁸ 48	11 ¹⁹ 19	27 ²² 22	1 ²⁶ 26	3 ¹² D12	2 ²⁹ 2 ²⁹	4 ²⁶ 26	20 ⁵³ 53	W 9
T 10	9 19 7	20 ⁴⁹ 19	3 ³⁴ 48	18 ⁵² 52	14 ⁵⁶ 56	5 ¹⁰ 10	14 ³⁵ 35	16 ⁴³ 43	11 ²² 22	27 ²⁰ 20	1 ²⁶ 26	3 ¹² 12	2 ²⁶ 2 ²⁶	4 ³³ 33	20 ⁴⁸ 48	T 10
F 11	9 23 3	21 ⁵⁰ 07	15 ⁵⁷ 57	20 ³⁷ 37	16 ¹⁰ 10	5 ⁵³ 53	14 ³³ 33	16 ³⁸ 38	11 ²⁵ 25	27 ¹⁸ 18	1 ²⁷ 27	3 ¹³ 13	2 ²³ 2 ²³	4 ³⁹ 39	20 ⁴³ 43	F 11
S 12	9 27 0	22 ⁵⁰ 53	28 ²⁰ 20	22 ²² 22	17 ²⁵ 25	6 ³⁶ 36	14 ³¹ 31	16 ³³ 33	11 ²⁸ 28	27 ¹⁷ 17	1 ²⁸ 28	3 ¹⁵ 15	2 ¹⁹ 2 ¹⁹	4 ⁴⁶ 46	20 ³⁹ 39	S 12
S 13	9 30 56	23 ⁵¹ 37	11 ³⁵ 3	24 ⁸ 8	18 ³⁹ 39	7 ¹⁹ 19	14 ²⁸ 28	16 ²⁸ 28	11 ³¹ 31	27 ¹⁵ 15	1 ²⁹ 29	3 ¹⁶ 16	2 ¹⁶ 2 ¹⁶	4 ⁵³ 53	20 ³⁴ 34	S 13
M14	9 34 53	24 ⁵² 20	24 ⁶ 6	25 ⁵⁴ 54	19 ⁵³ 53	8 ¹ 1	14 ²⁵ 25	16 ²⁴ 24	11 ³⁴ 34	27 ¹⁴ 14	1 ²⁹ 29	3 ¹⁷ 17	2 ¹³ 2 ¹³	5 ⁰ 0	20 ³⁰ 30	M14
T 15	9 38 49	25 ⁵³ 02	7 ³² 32	27 ⁴² 42	21 ⁸ 8	8 ⁴⁴ 44	14 ²² 22	16 ¹⁹ 19	11 ³⁶ 36	27 ¹³ 13	1 ³⁰ 30	3 ¹⁸ R18	2 ¹⁰ 2 ¹⁰	5 ⁶ 6	20 ²⁵ 25	T 15
W16	9 42 46	26 ⁵³ 42	21 ²⁰ 20	29 ³⁰ 30	22 ²² 22	9 ²⁷ 27	14 ¹⁹ 19	16 ¹⁴ 14	11 ³⁹ 39	27 ¹¹ 11	1 ³¹ 31	3 ¹⁷ 17	2 ⁷ 2 ⁷	5 ¹³ 13	20 ²⁰ 20	W16
T 17	9 46 42	27 ⁵⁴ 21	5 ²⁷ 27	1 ³⁴ 19	23 ³⁶ 36	10 ¹⁰ 10	14 ¹⁵ 15	16 ⁹ 9	11 ⁴² 42	27 ¹⁰ 10	1 ³¹ 31	3 ¹⁴ 14	2 ⁴ 2 ⁴	5 ²⁰ 20	20 ¹⁶ 16	T 17
F 18	9 50 39	28 ⁵⁴ 58	19 ⁵⁰ 50	3 ⁸ 8	24 ⁵¹ 51	10 ⁵³ 53	14 ¹² 12	16 ⁵ 5	11 ⁴⁵ 45	27 ⁸ 8	1 ³² 32	3 ¹¹ 11	2 ⁰ 0	5 ²⁶ 26	20 ¹¹ 11	F 18
S 19	9 54 36	29 ⁵⁵ 35	4 ²¹ 21	4 ⁵⁸ 58	26 ⁵ 5	11 ³⁶ 36	14 ⁸ 8	16 ⁰ 0	11 ⁴⁸ 48	27 ⁷ 7	1 ³² 32	3 ⁷ 7	1 ⁵⁷ 57	5 ³³ 33	20 ⁷ 7	S 19
S 20	9 58 32	0 ⁵⁶ 09	18 ⁵⁵ 55	6 ⁴⁸ 48	27 ¹⁹ 19	12 ¹⁹ 19	14 ⁴ 4	15 ⁵⁵ 55	11 ⁵⁰ 50	27 ⁶ 6	1 ³³ 33	3 ³ 3	1 ⁵⁴ 54	5 ⁴⁰ 40	20 ² 2	S 20
M21	10 2 29	1 ⁵⁶ 43	3 ³⁴ 26	8 ³⁹ 39	28 ³³ 33	13 ² 2	14 ⁰ 0	15 ⁵¹ 51	11 ⁵³ 53	27 ⁴ 4	1 ³³ 33	3 ⁰ 0	1 ⁵¹ 51	5 ⁴⁷ 47	19 ⁵⁸ 58	M21
T 22	10 6 25	2 ⁵⁷ 16	17 ⁴⁹ 49	10 ³⁰ 30	29 ⁴⁷ 47	13 ⁴⁵ 45	13 ⁵⁶ 56	15 ⁴⁶ 46	11 ⁵⁵ 55	27 ³ 3	1 ³⁴ 34	2 ⁵⁸ 58	1 ⁴⁸ 48	5 ⁵³ 53	19 ⁵³ 53	T 22
W23	10 10 22	3 ⁵⁷ 47	2 ³⁴ 1	12 ²² 22	1 ³⁴ 1	14 ²⁸ 28	13 ⁵² 52	15 ⁴¹ 41	11 ⁵⁸ 58	27 ² 2	1 ³⁴ 34	2 ⁵⁷ D57	1 ⁴⁵ 45	6 ⁰ 0	19 ⁴⁹ 49	W23
T 24	10 14 18	4 ⁵⁸ 17	15 ⁵⁸ 58	14 ¹³ 13	2 ¹⁵ 15	15 ¹¹ 11	13 ⁴⁷ 47	15 ³⁷ 37	12 ¹ 1	27 ⁰ 0	1 ³⁴ 34	2 ⁵⁷ 57	1 ⁴¹ 41	6 ⁷ 7	19 ⁴⁴ 44	T 24
F 25	10 18 15	5 ⁵⁸ 46	29 ⁴² 42	16 ⁴ 4	3 ²⁹ 29	15 ⁵⁴ 54	13 ⁴² 42	15 ³³ 33	12 ³ 3	26 ⁵⁹ 59	1 ³⁵ 35	2 ⁵⁹ 59	1 ³⁸ 38	6 ¹³ 13	19 ⁴⁰ 40	F 25
S 26	10 22 11	6 ⁵⁹ 14	13 ³² 12	17 ⁵⁵ 55	4 ⁴³ 43	16 ³⁷ 37	13 ³⁷ 37	15 ²⁸ 28	12 ⁵ 5	26 ⁵⁸ 58	1 ³⁵ 35	3 ⁰ 0	1 ³⁵ 35	6 ²⁰ 20	19 ³⁶ 36	S 26
S 27	10 26 8	7 ⁵⁹ 40	26 ²⁹ 29	19 ⁴⁵ 45	5 ⁵⁷ 57	17 ²⁰ 20	13 ³² 32	15 ²⁴ 24	12 ⁸ 8	26 ⁵⁷ 57	1 ³⁵ 35	3 ¹ R 1	1 ³² 32	6 ²⁷ 27	19 ³² 32	S 27
M28	10 30 5	9 ³⁴ 0'05	9 ³⁴ 34	21 ³³ 33	7 ³⁴ 34	18 ³⁵ 35	13 ²⁷ 27	15 ¹⁹ 19	12 ³⁰ 30	26 ⁵⁶ 56	1 ³⁵ 35	3 ¹ Ω 1	1 ²⁹ 29	6 ³⁴ 34	19 ²⁷ 27	M28

Day	☉	☾	♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	17s15	17s38	0s56	21s 6	1s52	11s34	1s33	23s40	0s16	4s31	1n25	16n32	1n 0	23s16	0s18	20n 7	0s31	6s48	13n52	19n23	19n29	7n50	7n24	7s18	
W 2	16 58	14 36	2 5	20 45	1 55	11 6	1 32	23 41	0 17	4 31	1 25	16 34	1 0	23 16	0 18	20 7	0 31	6 48	13 52	19 23	19 30	7 52	7 25	7 18	
T 3	16 41	10 57	3 6	20 23	1 57	10 38	1 32	23 42	0 18	4 30	1 25	16 35	1 0	23 15	0 18	20 8	0 31	6 47	13 53	19 23	19 30	7 54	7 26	7 18	
F 4	16 23	6 53	3 57	19 59	1 59	10 10	1 31	23 42	0 18	4 29	1 25	16 37	1 0	23 15	0 18	20 8	0 31	6 47	13 53	19 24	19 31	7 57	7 28	7 18	
S 5	16 6	2 37	4 36	19 34	2 1	9 41	1 30	23 43	0 19	4 29	1 26	16 39	1 0	23 15	0 18	20 8	0 31	6 47	13 54	19 24	19 32	7 59	7 29	7 18	
S 6	15 47	1n41	5 2	19 8	2 3	9 12	1 29	23 43	0 20	4 28	1 26	16 40	1 1	23 15	0 18	20 9	0 31	6 47	13 54	19 24	19 33	8 1	7 31	7 18	
M 7	15 29	5 52	5 15	18 40	2 4	8 43	1 28	23 43	0 21	4 27	1 26	16 42	1 1	23 14	0 18	20 9	0 31	6 47	13 54	19 25	19 33	8 3	7 32	7 18	
T 8	15 10	9 48	5 14	18 11	2 5	8 14	1 27	23 43	0 21	4 26	1 27	16 43	1 1	23 14	0 18	20 9	0 31	6 46	13 55	19 25	19 34	8 6	7 33	7 18	
W 9	14 51	13 22	4 59	17 40	2 5	7 44	1 26	23 42	0 22	4 25	1 27	16 45	1 1	23 14	0 18	20 10	0 31	6 46	13 55	19 25	19 35	8 8	7 35	7 18	
T 10	14 32	16 25	4 32	17 8	2 5	7 15	1 25	23 41	0 23	4 24	1 27	16 46	1 1	23 14	0 18	20 10	0 30	6 46	13 55	19 25	19 35	8 10	7 36	7 18	
F 11	14 13	18 49	3 52	16 35	2 5	6 45	1 24	23 40	0 24	4 23	1 27	16 48	1 1	23 13	0 18	20 10	0 30	6 46	13 56	19 25	19 36	8 12	7 38	7 18	
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S 13	13 33	20 58	2 0	15 23	2 3	5 44	1 22	23 38	0 25	4 21	1 28	16 51	1 1	23 13	0 19	20 11	0 30	6 45	13 57	19 24	19 38	8 17	7 41	7 18	
M14	13 13	20 26	0 50	14 46	2 1	5 14	1 20	23 36	0 26	4 19	1 28	16 53	1 1	23 13	0 19	20 11	0 30	6 45	13 57	19 24	19 38	8 19	7 43	7 18	
T 15	12 52	18 44	0n23	14 7	1 59	4 43	1 19	23 34	0 27	4 18	1 28	16 54	1 1	23 12	0 19	20 12	0 30	6 45	13 58	19 24	19 39	8 21	7 44	7 18	
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T 17	12 11	12 6	2 48	12 45	1 52	3 42	1 16	23 30	0 29	4 15	1 29	16 57	1 2	23 12	0 19	20 12	0 30	6 44	13 58	19 24	19 40	8 26	7 47	7 17	
F 18	11 50	7 31	3 48	12 2	1 48	3 11	1 14	23 27	0 29	4 13	1 29	16 59	1 2	23 12	0 19	20 12	0 30	6 44	13 59	19 25	19 41	8 28	7 49	7 17	
S 19	11 29	2 29	4 35	11 17	1 44	2 40	1 12	23 24	0 30	4 12	1 29	17 0	1 2	23 12	0 19	20 13	0 30	6 43	13 59	19 26	19 42	8 30	7 50	7 17	
S 20	11 8	2s43	5 4	10 32	1 39	2 9	1 10	23 21	0 31	4 10	1 29	17 2	1 2	23 11	0 19	20 13	0 30	6 43	14 0	19 27	19 43	8 33	7 52	7 16	
M21	10 46	7 44	5 13	9 45	1 33	1 6	1 9	23 18	0 32	4 8	1 30	17 3	1 2	23 11	0 19	20 13	0 30	6 43	14 0	19 28	19 43	8 35	7 54	7 16	
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W23	10 3	16 4	4 34	8 9	1 20	0 35	1 5	23 11	0 33	4 5	1 30	17 6	1 2	23 11	0 19	20 14	0 30	6 42	14 1	19 28	19 45	8 39	7 57	7 16	
T 24	9 41	18 52	3 49	7 19	1 12	0 4	1 3	23 7	0 34	4 3	1 30	17 7	1 2	23 11	0 19	20 14	0 30	6 42	14 1	19 28	19 45	8 42	7 59	7 15	
F 25	9 18	20 32	2 52	6 29	1 4	0n27	1 1	23 3	0 35	4 1	1 31	17 9	1 2	23 10	0 19	20 14	0 30	6 41	14 2	19 28	19 46	8 44	8 0	7 15	
S 26	8 56	21 0	1 46	5 37	0 55	0 59	0 58	22 58	0 36	3 59	1 31	17 10	1 2	23 10	0 19	20 15	0 30	6 41	14 2	19 28	19 47	8 46	8 2	7 15	
S 27	8 34	20 15	0 36	4 46	0 46	1 30	0 56	22 54	0 37	3 56	1 31	17 11	1 2	23 10	0 19	20 15	0 30	6 41	14 2	19 27	19 48	8 48	8 3	7 14	
M28	8s11	18s24	0s36	3s54	0s36	2n 1	0s54	22s49	0s38	3s54	1n31	17n13	1n 2	23s10	0s19	20n15	0s30	6s40	14n 3	19n27	19n48	8n51	8n 5	7s14	

ASTRODIENST EPHEMERIS for the year 2242
geocentric

MARCH 2242

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	10 34 1	10 ^h 08'	22 ^m 27	23 ^h 21	8 ^h 25	18 ^h 46	13 ^h 22	15 ^h 15	12 ^h 13	26 ^h 54	1 ^h 36	3 ^h 0	1 ^h 25	6 ^h 40	19 ^h 23	T 1
W 2	10 37 58	11 ^h 05'	5 ^m 8	25 ^h 7	9 ^h 38	19 ^h 30	13 ^h 16	15 ^h 11	12 ^h 15	26 ^h 53	1 ^h 36	2 ^h 56	1 ^h 22	6 ^h 47	19 ^h 19	W 2
T 3	10 41 54	12 ^h 11'	17 ^m 39	26 ^h 50	10 ^h 52	20 ^h 13	13 ^h 11	15 ^h 7	12 ^h 17	26 ^h 52	1 ^h 36	2 ^h 50	1 ^h 19	6 ^h 54	19 ^h 15	T 3
F 4	10 45 51	13 ^h 12'	29 ^m 58	28 ^h 30	12 ^h 6	20 ^h 56	13 ^h 5	15 ^h 3	12 ^h 19	26 ^h 51	1 ^h 36	2 ^h 43	1 ^h 16	7 ^h 1	19 ^h 11	F 4
S 5	10 49 47	14 ^h 14'	12 ^m 8	0 ^h 8	13 ^h 19	21 ^h 39	12 ^h 59	14 ^h 59	12 ^h 21	26 ^h 50	1 ^h 36	2 ^h 35	1 ^h 13	7 ^h 7	19 ^h 7	S 5
S 6	10 53 44	15 ^h 15'	24 ^m 9	1 ^h 41	14 ^h 33	22 ^h 23	12 ^h 53	14 ^h 55	12 ^h 24	26 ^h 49	1 ^h 36	2 ^h 27	1 ^h 10	7 ^h 14	19 ^h 3	S 6
M 7	10 57 40	16 ^h 21'	6 ^m 4	3 ^h 10	15 ^h 46	23 ^h 6	12 ^h 47	14 ^h 51	12 ^h 26	26 ^h 48	1 ^h 36	2 ^h 20	1 ^h 6	7 ^h 21	18 ^h 59	M 7
T 8	11 1 37	17 ^h 22'	17 ^m 56	4 ^h 34	17 ^h 0	23 ^h 49	12 ^h 41	14 ^h 47	12 ^h 28	26 ^h 47	1 ^h 36	2 ^h 14	1 ^h 3	7 ^h 27	18 ^h 55	T 8
W 9	11 5 34	18 ^h 23'	29 ^m 48	5 ^h 53	18 ^h 13	24 ^h 33	12 ^h 34	14 ^h 44	12 ^h 30	26 ^h 46	1 ^h 36	2 ^h 10	1 ^h 0	7 ^h 34	18 ^h 51	W 9
T 10	11 9 30	19 ^h 23'	11 ^m 44	7 ^h 5	19 ^h 26	25 ^h 16	12 ^h 28	14 ^h 40	12 ^h 32	26 ^h 45	1 ^h 35	2 ^h 8	0 ^h 57	7 ^h 41	18 ^h 48	T 10
F 11	11 13 27	20 ^h 24'	23 ^m 49	8 ^h 11	20 ^h 40	26 ^h 0	12 ^h 21	14 ^h 37	12 ^h 34	26 ^h 44	1 ^h 35	2 ^h D 8	0 ^h 54	7 ^h 48	18 ^h 44	F 11
S 12	11 17 23	21 ^h 24'	6 ^m 9	9 ^h 10	21 ^h 53	26 ^h 43	12 ^h 14	14 ^h 33	12 ^h 35	26 ^h 43	1 ^h 35	2 ^h 8	0 ^h 51	7 ^h 54	18 ^h 41	S 12
S 13	11 21 20	22 ^h 24'	18 ^m 49	10 ^h 0	23 ^h 6	27 ^h 27	12 ^h 8	14 ^h 30	12 ^h 37	26 ^h 43	1 ^h 35	2 ^h 10	0 ^h 47	8 ^h 1	18 ^h 37	S 13
M14	11 25 16	23 ^h 24'	1 ^m 51	10 ^h 43	24 ^h 19	28 ^h 10	12 ^h 1	14 ^h 26	12 ^h 39	26 ^h 42	1 ^h 35	2 ^h R10	0 ^h 44	8 ^h 8	18 ^h 34	M14
T 15	11 29 13	24 ^h 24'	15 ^m 21	11 ^h 18	25 ^h 32	28 ^h 54	11 ^h 54	14 ^h 23	12 ^h 41	26 ^h 41	1 ^h 34	2 ^h 10	0 ^h 41	8 ^h 14	18 ^h 30	T 15
W16	11 33 9	25 ^h 23'	29 ^m 18	11 ^h 44	26 ^h 45	29 ^h 37	11 ^h 47	14 ^h 20	12 ^h 42	26 ^h 40	1 ^h 34	2 ^h 7	0 ^h 38	8 ^h 21	18 ^h 27	W16
T 17	11 37 6	26 ^h 22'	13 ^m 41	12 ^h 1	27 ^h 58	0 ^m 21	11 ^h 39	14 ^h 17	12 ^h 44	26 ^h 40	1 ^h 33	2 ^h 1	0 ^h 35	8 ^h 28	18 ^h 24	T 17
F 18	11 41 3	27 ^h 21'	28 ^m 25	12 ^h R 9	29 ^h 11	1 ^h 4	11 ^h 32	14 ^h 14	12 ^h 46	26 ^h 39	1 ^h 33	1 ^h 54	0 ^h 31	8 ^h 35	18 ^h 21	F 18
S 19	11 44 59	28 ^h 20'	13 ^m 23	12 ^h 9	0 ^h 824	1 ^h 48	11 ^h 25	14 ^h 11	12 ^h 47	26 ^h 38	1 ^h 33	1 ^h 45	0 ^h 28	8 ^h 41	18 ^h 18	S 19
S 20	11 48 56	29 ^h 15'	28 ^m 25	12 ^h 1	1 ^h 36	2 ^h 32	11 ^h 17	14 ^h 9	12 ^h 49	26 ^h 38	1 ^h 32	1 ^h 36	0 ^h 25	8 ^h 48	18 ^h 15	S 20
M21	11 52 52	0 ^h 134	13 ^m 21	11 ^h 44	2 ^h 49	3 ^h 15	11 ^h 10	14 ^h 6	12 ^h 50	26 ^h 37	1 ^h 32	1 ^h 28	0 ^h 22	8 ^h 55	18 ^h 12	M21
T 22	11 56 49	1 ^h 11'	28 ^m 4	11 ^h 20	4 ^h 1	3 ^h 59	11 ^h 2	14 ^h 3	12 ^h 51	26 ^h 37	1 ^h 31	1 ^h 22	0 ^h 19	9 ^h 2	18 ^h 9	T 22
W23	12 0 45	2 ^h 05'	12 ^m 29	10 ^h 48	5 ^h 14	4 ^h 43	10 ^h 55	14 ^h 1	12 ^h 53	26 ^h 36	1 ^h 30	1 ^h 18	0 ^h 16	9 ^h 8	18 ^h 7	W23
T 24	12 4 42	3 ^h 03'	26 ^m 31	10 ^h 11	6 ^h 26	5 ^h 26	10 ^h 47	13 ^h 58	12 ^h 54	26 ^h 35	1 ^h 30	1 ^h 17	0 ^h 12	9 ^h 15	18 ^h 4	T 24
F 25	12 8 38	4 ^h 01'	10 ^m 11	9 ^h 28	7 ^h 39	6 ^h 10	10 ^h 40	13 ^h 56	12 ^h 55	26 ^h 35	1 ^h 29	1 ^h D17	0 ^h 9	9 ^h 22	18 ^h 2	F 25
S 26	12 12 35	4 ^h 59'51	23 ^m 31	8 ^h 41	8 ^h 51	6 ^h 54	10 ^h 32	13 ^h 54	12 ^h 56	26 ^h 35	1 ^h 28	1 ^h 17	0 ^h 6	9 ^h 28	17 ^h 59	S 26
S 27	12 16 31	5 ^h 59'25	6 ^m 33	7 ^h 51	10 ^h 3	7 ^h 38	10 ^h 24	13 ^h 52	12 ^h 58	26 ^h 34	1 ^h 28	1 ^h R17	0 ^h 3	9 ^h 35	17 ^h 57	S 27
M28	12 20 28	6 ^h 58'57	19 ^m 19	6 ^h 59	11 ^h 15	8 ^h 21	10 ^h 17	13 ^h 50	12 ^h 59	26 ^h 34	1 ^h 27	1 ^h 16	29 ^m 59	9 ^h 42	17 ^h 55	M28
T 29	12 24 25	7 ^h 58'28	1 ^m 54	6 ^h 5	12 ^h 27	9 ^h 5	10 ^h 9	13 ^h 48	13 ^h 0	26 ^h 34	1 ^h 26	1 ^h 12	29 ^m 56	9 ^h 49	17 ^h 53	T 29
W30	12 28 21	8 ^h 57'57	14 ^m 17	5 ^h 12	13 ^h 39	9 ^h 49	10 ^h 1	13 ^h 46	13 ^h 1	26 ^h 33	1 ^h 25	1 ^h 5	29 ^m 53	9 ^h 55	17 ^h 51	W30
T 31	12 32 18	9 ^h 57'23	26 ^m 33	4 ^h 20	14 ^h 51	10 ^m 33	9 ^m 53	13 ^h 45	13 ^h 2	26 ^m 33	1 ^m 24	0 ^m 55	29 ^m 50	10 ^m 8	17 ^m 49	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	lat
T 1	7s48	15s39	1s44	3s 1	0s25	2n32	0s52	22s44	0s39	3s52	1n31	17n14	1n 2	23s10	0s19	20n15	0s30	6s40	14n 3	19n28	19n49	8n53	8n 7	7s14
W 2	7 26	12 11	2 46	2 9	0 14	3 4	0 49	22 39	0 39	3 50	1 31	17 15	1 2	23 9	0 19	20 16	0 30	6 40	14 4	19 29	19 50	8 55	8 8	7 13
T 3	7 3	8 14	3 38	1 17	0 2	3 35	0 47	22 33	0 40	3 47	1 32	17 16	1 2	23 9	0 19	20 16	0 30	6 39	14 4	19 30	19 50	8 57	8 10	7 13
F 4	6 40	3 59	4 20	0 26	0n11	4 6	0 44	22 27	0 41	3 45	1 32	17 18	1 2	23 9	0 19	20 16	0 30	6 39	14 5	19 32	19 51	8 59	8 12	7 12
S 5	6 17	0n21	4 49	0n25	0 23	4 37	0 42	22 22	0 42	3 42	1 32	17 19	1 2	23 9	0 19	20 16	0 30	6 38	14 5	19 33	19 52	9 2	8 13	7 12
S 6	5 53	4 37	5 5	1 14	0 37	5 7	0 39	22 15	0 43	3 40	1 32	17 20	1 2	23 9	0 19	20 16	0 30	6 38	14 5	19 35	19 52	9 4	8 15	7 11
M 7	5 30	8 41	5 8	2 2	0 50	5 38	0 37	22 9	0 44	3 37	1 32	17 21	1 2	23 9	0 19	20 17	0 30	6 38	14 6	19 37	19 53	9 6	8 17	7 11
T 8	5 7	12 24	4 57	2 48	1 4	6 9	0 34	22 3	0 45	3 35	1 33	17 22	1 3	23 8	0 19	20 17	0 30	6 37	14 6	19 38	19 54	9 8	8 18	7 10
W 9	4 43	15 37	4 34	3 32	1 18	6 39	0 31	21 56	0 46	3 32	1 33	17 23	1 3	23 8	0 19	20 17	0 30	6 37	14 7	19 39	19 54	9 11	8 20	7 10
T 10	4 20	18 14	3 58	4 13	1 32	7 10	0 28	21 49	0 46	3 30	1 33	17 25	1 3	23 8	0 19	20 17	0 30	6 36	14 7	19 40	19 55	9 13	8 21	7 9
F 11	3 56	20 4	3 12	4 52	1 46	7 40	0 26	21 42	0 47	3 27	1 33	17 26	1 3	23 8	0 19	20 17	0 30	6 36	14 7	19 40	19 56	9 15	8 23	7 9
S 12	3 33	21 0	2 16	5 27	1 59	8 10	0 23	21 34	0 48	3 24	1 33	17 27	1 3	23 8	0 19	20 18	0 30	6 36	14 8	19 39	19 57	9 17	8 24	7 8
S 13	3 9	20 55	1 11	5 59	2 13	8 40	0 20	21 27	0 49	3 21	1 33	17 28	1 3	23 8	0 19	20 18	0 30	6 35	14 8	19 39	19 57	9 20	8 26	7 8
M14	2 45	19 42	0 2	6 28	2 25	9 9	0 17	21 19	0 50	3 19	1 33	17 29	1 3	23 7	0 19	20 18	0 30	6 35	14 9	19 39	19 58	9 22	8 28	7 7
T 15	2 22	17 20	1n10	6 53	2 37	9 39	0 14	21 11	0 51	3 16	1 33	17 30	1 3	23 7	0 19	20 18	0 30	6 34	14 9	19 39	19 59	9 24	8 29	7 7
W16	1 58	13 54	2 20	7 13	2 49	10 8	0 11	21 3	0 52	3 13	1 34	17 30	1 3	23 7	0 19	20 18	0 30	6 34	14 9	19 40	19 59	9 26	8 31	7 6
T 17	1 34	9 32	3 24	7 29	2 59	10 37	0 8	20 54	0 53	3 10	1 34	17 31	1 3	23 7	0 19	20 19	0 30	6 33	14 10	19 41	20 0	9 28	8 32	7 6
F 18	1 11	4 31	4 15	7 41	3 8	11 6	0 5	20 46	0 54	3 7	1 34	17 32	1 3	23 7	0 19	20 19	0 30	6 33	14 10	19 43	20 1	9 31	8 34	7 5
S 19	0 47	0s50	4 49	7 48	3 16	11 34	0 2	20 37	0 54	3 4	1 34	17 33	1 3	23 7	0 19	20 19	0 30	6 32	14 10	19 45	20 1	9 33	8 35	7 4
S 20	0 23	6 9	5 4	7 50	3 22	12 2	0n 1	20 28	0 55	3 1	1 34	17 34	1 3	23 7	0 19	20 19	0 30	6 32	14 11	19 47	20 2	9 35	8 37	7 4
M21	0n 1	11 5	4 58	7 48	3 27	12 30	0 5	20 19	0 56	2 58	1 34	17 35	1 3	23 7	0 19	20 19	0 30	6 32	14 11	19 48	20 3	9 37	8 38	7 3
T 22	0 24	15 16	4 33	7 42	3 30	12 58	0 8	20 9	0 57	2 55	1 34	17 35	1 3	23 6	0 19	20 19	0 30	6 31	14 12	19 50	20 3	9 40	8 39	7 2
W23	0 48	18 28	3 50	7 31	3 31	13 25	0 11	20 0	0 58	2 52	1 34	17 36	1 3	23 6	0 19	20 19	0 30	6 31	14 12	19 51	20 4	9 42	8 41	7 2
T 24	1 12	20 27	2 54	7 15	3 31	13 52	0 14	19 50	0 59	2 49	1 34	17 37	1 3	23 6	0 19	20 19	0 30	6 30	14 12	19 51	20 5	9 44	8 42	7 1
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S 26	1 59	20 41	0 41	6 34	3 24	14 45	0 21	19 30	1 1	2 43	1 34	17 38	1 3	23 6	0 19	20 20	0 29	6 29	14 13	19 51	20 6	9 48	8 45	7 0
S 27	2 23	19 4	0s28	6 8	3 18	15 11	0 24	19 20	1 2	2 40	1 34	17 39	1 3	23 6	0 19	20 20	0 29	6 29	14 13	19 51	20 7	9 51	8 46	6 59
M28	2 46	16 30	1 34	5 40	3 10	15 37	0 27	19 9	1 3	2 37	1 34	17 39	1 3	23 6	0 19	20 20	0 29	6 28	14 14	19 51	20 7	9 53	8 48	6 58
T 29	3 10	13 12	2 35	5 11	3 0	16 2	0 30	18 59	1 4	2 34	1 34	17 40	1 3	23 6	0 20	20 20	0 29	6 28	14 14	19 52	20 8	9 55	8 49	6 57
W30	3 33	9 22	3 27	4 39	2 49	16 27	0 34	18 48	1 4	2 31	1 35	17 40	1 3	23 6	0 20	20 20	0 29	6 27	14 14	19 53	20 9	9 57	8 50	6 58
T 31	3n56	5s11	4s 9	4n 8	2n37	16n52	0n37	18s37	1s 5	2s28	1n35	17n41	1n 3	23s 6	0s20	20n20	0s29	6s27	14n15	19n56	20n 9	10n 0	8n52	6s56

ASTRODIENST EPHEMERIS for the year 2242

geocentric

APRIL 2242

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	12 36 14	10°56'48	8°41	3°R31	16°8 3	11°17	9°R46	13°R43	13°2 2	26°R33	1°R24	0°R43	29°47	10°8 9	17°R47	F 1
S 2	12 40 11	11°56'11	20°43	2°Y44	17°15	12° 1	9°438	13°42	13° 3	26°33	1°23	0°30	29°44	10°15	17°45	S 2
S 3	12 44 7	12°55'32	2°39	2° 1	18°26	12°45	9°30	13°40	13° 4	26°32	1°22	0°16	29°41	10°22	17°44	S 3
M 4	12 48 4	13°54'50	14°32	1°23	19°38	13°28	9°22	13°39	13° 5	26°32	1°21	0° 4	29°37	10°29	17°42	M 4
T 5	12 52 0	14°54'07	26°22	0°49	20°50	14°12	9°15	13°38	13° 5	26°32	1°20	29°53	29°34	10°36	17°41	T 5
W 6	12 55 57	15°53'21	8°14	0°21	22° 1	14°56	9° 7	13°37	13° 6	26°32	1°19	29°45	29°31	10°42	17°39	W 6
T 7	12 59 54	16°52'33	20° 9	29°58	23°12	15°40	8°59	13°36	13° 7	26°D32	1°18	29°39	29°28	10°49	17°38	T 7
F 8	13 3 50	17°51'43	2°13	29°40	24°23	16°24	8°52	13°35	13° 7	26°32	1°17	29°36	29°25	10°56	17°37	F 8
S 9	13 7 47	18°50'50	14°29	29°28	25°35	17° 8	8°44	13°34	13° 8	26°32	1°16	29°D35	29°22	11° 3	17°36	S 9
S 10	13 11 43	19°49'56	27° 4	29°22	26°46	17°52	8°37	13°34	13° 8	26°32	1°15	29°R35	29°18	11° 9	17°35	S 10
M 11	13 15 40	20°48'59	10°1	29°D21	27°57	18°36	8°29	13°33	13° 8	26°32	1°13	29°35	29°15	11°16	17°34	M 11
T 12	13 19 36	21°47'59	23°25	29°26	29° 7	19°20	8°22	13°33	13° 9	26°33	1°12	29°34	29°12	11°23	17°34	T 12
W 13	13 23 33	22°46'58	7°20	29°36	0°118	20° 4	8°14	13°33	13° 9	26°33	1°11	29°30	29° 9	11°29	17°33	W 13
T 14	13 27 29	23°45'54	21°43	29°51	1°29	20°48	8° 7	13°32	13° 9	26°33	1°10	29°23	29° 6	11°36	17°33	T 14
F 15	13 31 26	24°44'47	6°34	0°Y11	2°39	21°32	8° 0	13°D32	13° 9	26°33	1° 9	29°14	29° 2	11°43	17°32	F 15
S 16	13 35 23	25°43'39	21°43	0°35	3°50	22°16	7°53	13°32	13° 9	26°33	1° 7	29° 3	28°59	11°50	17°32	S 16
S 17	13 39 19	26°42'29	7°1	1° 4	5° 0	23° 0	7°46	13°33	13° 9	26°34	1° 6	28°52	28°56	11°56	17°32	S 17
M 18	13 43 16	27°41'17	22°16	1°38	6°10	23°44	7°39	13°33	13°R 9	26°34	1° 5	28°42	28°53	12° 3	17°D32	M 18
T 19	13 47 12	28°40'03	7°19	2°15	7°20	24°28	7°32	13°33	13° 9	26°34	1° 4	28°33	28°50	12°10	17°32	T 19
W 20	13 51 9	29°38'47	21°59	2°56	8°30	25°12	7°25	13°34	13° 9	26°35	1° 2	28°28	28°47	12°16	17°32	W 20
T 21	13 55 5	0°33'30	6°34	3°41	9°40	25°56	7°19	13°34	13° 9	26°35	1° 1	28°25	28°43	12°23	17°32	T 21
F 22	13 59 2	1°36'11	20° 1	4°29	10°50	26°40	7°12	13°35	13° 9	26°36	0°59	28°24	28°40	12°30	17°33	F 22
S 23	14 2 58	2°34'50	3°23	5°20	12° 0	27°24	7° 6	13°36	13° 9	26°36	0°58	28°23	28°37	12°37	17°33	S 23
S 24	14 6 55	3°33'28	16°21	6°15	13° 9	28° 8	6°59	13°37	13° 8	26°37	0°57	28°23	28°34	12°43	17°34	S 24
M 25	14 10 52	4°32'04	29° 1	7°13	14°18	28°52	6°53	13°38	13° 8	26°37	0°55	28°21	28°31	12°50	17°34	M 25
T 26	14 14 48	5°30'38	11°25	8°13	15°28	29°36	6°47	13°39	13° 8	26°38	0°54	28°17	28°28	12°57	17°35	T 26
W 27	14 18 45	6°29'11	23°38	9°17	16°37	0°21	6°41	13°40	13° 7	26°39	0°52	28°10	28°24	13° 3	17°36	W 27
T 28	14 22 41	7°27'41	5°Y43	10°23	17°46	1° 5	6°35	13°41	13° 7	26°39	0°51	28° 0	28°21	13°10	17°37	T 28
F 29	14 26 38	8°26'11	17°42	11°31	18°55	1°49	6°30	13°43	13° 6	26°40	0°49	27°48	28°18	13°17	17°38	F 29
S 30	14 30 34	9°24'38	29°Y37	12°Y42	20°II 4	2°K33	6°24	13°44	13°2 6	26°41	0°48	27°34	28°15	13°24	17°39	S 30

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	
F 1	4n20	0s51	4s39	3n35	2n24	17n16	0n40	18s26	1s 6	2s25	1n35	17n41	1n 3	23s 6	0s20	20n20	0s29	6s26	14n15	19n58	20n10	10n 2	8n53	6s55
S 2	4 43	3n30	4 56	3 4	2 9	17 39	0 44	18 15	1 7	2 22	1 35	17 42	1 3	23 6	0 20	20 20	0 29	6 26	14 15	20 1	20 11	10 4	8 54	6 55
S 3	5 6	7 40	5 1	2 33	1 54	18 3	0 47	18 3	1 8	2 19	1 35	17 42	1 3	23 6	0 20	20 20	0 29	6 25	14 16	20 4	20 11	10 6	8 55	6 54
M 4	5 29	11 32	4 51	2 3	1 39	18 26	0 50	17 51	1 9	2 16	1 35	17 42	1 3	23 5	0 20	20 20	0 29	6 25	14 16	20 7	20 12	10 8	8 56	6 53
T 5	5 52	14 56	4 30	1 35	1 23	18 48	0 54	17 40	1 10	2 13	1 34	17 43	1 3	23 5	0 20	20 20	0 29	6 24	14 16	20 9	20 13	10 11	8 57	6 52
W 6	6 15	17 45	3 56	1 9	1 7	19 10	0 57	17 28	1 11	2 10	1 34	17 43	1 3	23 5	0 20	20 20	0 29	6 24	14 16	20 11	20 13	10 13	8 59	6 52
T 7	6 37	19 50	3 13	0 46	0 51	19 31	1 0	17 16	1 12	2 7	1 34	17 43	1 3	23 5	0 20	20 20	0 29	6 24	14 17	20 12	20 14	10 15	9 0	6 51
F 8	7 0	21 4	2 20	0 24	0 35	19 52	1 3	17 3	1 13	2 4	1 34	17 43	1 3	23 5	0 20	20 20	0 29	6 23	14 17	20 12	20 15	10 17	9 1	6 50
S 9	7 22	21 19	1 19	0 5	0 19	20 12	1 7	16 51	1 14	2 1	1 34	17 44	1 3	23 5	0 20	20 21	0 29	6 23	14 17	20 13	20 15	10 19	9 2	6 49
S 10	7 45	20 30	0 13	0s11	0 4	20 32	1 10	16 38	1 15	1 58	1 34	17 44	1 3	23 5	0 20	20 21	0 29	6 22	14 18	20 13	20 16	10 22	9 3	6 49
M11	8 7	18 36	0n55	0 25	0s10	20 52	1 13	16 26	1 16	1 55	1 34	17 44	1 3	23 5	0 20	20 21	0 29	6 22	14 18	20 13	20 17	10 24	9 4	6 48
T 12	8 29	15 37	2 2	0 36	0 25	21 11	1 16	16 13	1 16	1 52	1 34	17 44	1 3	23 5	0 20	20 21	0 29	6 21	14 18	20 13	20 17	10 26	9 5	6 47
W13	8 51	11 40	3 5	0 45	0 38	21 29	1 20	16 0	1 17	1 49	1 34	17 44	1 3	23 5	0 20	20 21	0 29	6 21	14 18	20 14	20 18	10 28	9 6	6 46
T 14	9 13	6 56	3 58	0 51	0 51	21 47	1 23	15 47	1 18	1 47	1 34	17 44	1 3	23 5	0 20	20 21	0 29	6 20	14 19	20 15	20 19	10 31	9 7	6 45
F 15	9 34	1 39	4 37	0 54	1 4	22 4	1 26	15 33	1 19	1 44	1 34	17 44	1 3	23 5	0 20	20 20	0 29	6 20	14 19	20 17	20 19	10 33	9 7	6 45
S 16	9 56	3s51	4 58	0 55	1 15	22 21	1 29	15 20	1 20	1 41	1 34	17 44	1 3	23 5	0 20	20 20	0 29	6 19	14 19	20 19	20 20	10 35	9 8	6 44
S 17	10 17	9 9	4 57	0 54	1 26	22 37	1 32	15 7	1 21	1 38	1 34	17 44	1 3	23 5	0 20	20 20	0 29	6 19	14 19	20 22	20 21	10 37	9 9	6 43
M18	10 38	13 52	4 35	0 50	1 37	22 52	1 35	14 53	1 22	1 36	1 34	17 44	1 2	23 5	0 20	20 20	0 29	6 18	14 19	20 24	20 21	10 39	9 10	6 42
T 19	10 59	17 38	3 55	0 44	1 47	23 7	1 38	14 39	1 23	1 33	1 34	17 44	1 2	23 5	0 20	20 20	0 29	6 18	14 20	20 25	20 22	10 42	9 11	6 41
W20	11 20	20 11	2 59	0 36	1 56	23 21	1 41	14 25	1 24	1 31	1 33	17 44	1 2	23 5	0 20	20 20	0 29	6 18	14 20	20 26	20 23	10 44	9 11	6 41
T 21	11 41	21 22	1 54	0 26	2 4	23 35	1 44	14 11	1 25	1 28	1 33	17 43	1 2	23 5	0 20	20 20	0 29	6 17	14 20	20 27	20 23	10 46	9 12	6 40
F 22	12 1	21 11	0 44	0 14	2 12	23 48	1 47	13 57	1 26	1 26	1 33	17 43	1 2	23 6	0 20	20 20	0 29	6 17	14 20	20 27	20 24	10 48	9 13	6 39
S 23	12 21	19 48	0s26	0 0	2 19	24 0	1 50	13 43	1 27	1 23	1 33	17 43	1 2	23 6	0 20	20 20	0 29	6 16	14 20	20 27	20 25	10 50	9 13	6 38
S 24	12 41	17 24	1 33	0n16	2 25	24 12	1 52	13 28	1 28	1 21	1 33	17 43	1 2	23 6	0 20	20 20	0 29	6 16	14 21	20 27	20 25	10 53	9 14	6 37
M25	13 1	14 13	2 34	0 33	2 31	24 23	1 55	13 14	1 29	1 19	1 33	17 42	1 2	23 6	0 20	20 20	0 29	6 15	14 21	20 28	20 26	10 55	9 14	6 37
T 26	13 20	10 27	3 26	0 52	2 36	24 34	1 58	12 59	1 29	1 16	1 33	17 42	1 2	23 6	0 20	20 20	0 29	6 15	14 21	20 29	20 26	10 57	9 15	6 36
W27	13 40	6 19	4 8	1 13	2 40	24 44	2 0	12 45	1 30	1 14	1 33	17 42	1 2	23 6	0 20	20 20	0 29	6 15	14 21	20 30	20 27	10 59	9 16	6 35
T 28	13 59	1 59	4 38	1 36	2 44	24 53	2 3	12 30	1 31	1 12	1 32	17 41	1 2	23 6	0 20	20 20	0 29	6 14	14 21	20 32	20 28	11 1	9 16	6 34
F 29	14 18	2n23	4 55	1 59	2 47	25 2	2 5	12 15	1 32	1 10	1 32	17 41	1 2	23 6	0 20	20 20	0 29	6 14	14 21	20 34	20 28	11 3	9 16	6 33
S 30	14n36	6n38	5s 0	2n25	2s49	25n10	2n 8	12s 0	1s33	1s 8	1n32	17n40	1n 2	23s 6	0s20	20n19	0s29	6s13	14n21	20n37	20n29	11n 6	9n17	6s33

ASTRODIENST EPHEMERIS for the year 2242

geocentric

MAY 2242

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 34 31	10 ⁸ 23'04	11 ⁸ 30	13 ^Y 56	21 ^{II} 12	3 [✠] 17	6 ^R 19	13 ^Ω 46	13 ^R 5	26 ^Ω 42	0 ^R 46	27 ^R 20	28 ^Ω 12	13 ^Ω 30	17 ^Ω 41	S 1
M 2	14 38 27	11 ⁰ 21'27	23 ⁰ 21	15 ⁰ 12	22 ⁰ 21	4 ⁰ 1	6 ^Δ 13	13 ⁰ 48	13 ^Ω 4	26 ⁰ 42	0 [✠] 45	27 ^Ω 7	28 ⁰ 8	13 ⁰ 37	17 ⁰ 42	M 2
T 3	14 42 24	12 ⁰ 19'49	5 ^{II} 13	16 ⁰ 30	23 ⁰ 29	4 ⁰ 45	6 ⁰ 8	13 ⁰ 50	13 ⁰ 3	26 ⁰ 43	0 ⁰ 43	26 ⁰ 56	28 ⁰ 5	13 ⁰ 44	17 ⁰ 44	T 3
W 4	14 46 20	13 ⁰ 18'09	17 ⁰ 7	17 ⁰ 50	24 ⁰ 37	5 ⁰ 29	6 ⁰ 3	13 ⁰ 52	13 ⁰ 3	26 ⁰ 44	0 ⁰ 42	26 ⁰ 47	28 ⁰ 2	13 ⁰ 50	17 ⁰ 45	W 4
T 5	14 50 17	14 ⁰ 16'28	29 ⁰ 5	19 ⁰ 12	25 ⁰ 45	6 ⁰ 13	5 ⁰ 58	13 ⁰ 54	13 ⁰ 2	26 ⁰ 45	0 ⁰ 40	26 ⁰ 41	27 ⁰ 59	13 ⁰ 57	17 ⁰ 47	T 5
F 6	14 54 14	15 ⁰ 14'44	11 ^Ω 12	20 ⁰ 37	26 ⁰ 53	6 ⁰ 57	5 ⁰ 54	13 ⁰ 56	13 ⁰ 1	26 ⁰ 46	0 ⁰ 38	26 ⁰ 38	27 ⁰ 56	14 ⁰ 4	17 ⁰ 49	F 6
S 7	14 58 10	16 ⁰ 12'58	23 ⁰ 30	22 ⁰ 3	28 ⁰ 1	7 ⁰ 41	5 ⁰ 49	13 ⁰ 58	13 ⁰ 0	26 ⁰ 47	0 ⁰ 37	26 ⁰ D37	27 ⁰ 53	14 ⁰ 11	17 ⁰ 51	S 7
S 8	15 2 7	17 ⁰ 11'11	6 ^Ω 3	23 ⁰ 32	29 ⁰ 9	8 ⁰ 25	5 ⁰ 45	14 ⁰ 1	12 ⁰ 59	26 ⁰ 48	0 ⁰ 35	26 ⁰ 37	27 ⁰ 49	14 ⁰ 17	17 ⁰ 53	S 8
M 9	15 6 3	18 ⁰ 9'21	18 ⁰ 57	25 ⁰ 2	0 ^Ω 16	9 ⁰ 9	5 ⁰ 40	14 ⁰ 3	12 ⁰ 58	26 ⁰ 49	0 ⁰ 34	26 ⁰ R38	27 ⁰ 46	14 ⁰ 24	17 ⁰ 55	M 9
T 10	15 10 0	19 ⁰ 7'29	2 ^{II} 16	26 ⁰ 35	1 ⁰ 23	9 ⁰ 53	5 ⁰ 36	14 ⁰ 6	12 ⁰ 57	26 ⁰ 50	0 ⁰ 32	26 ⁰ 37	27 ⁰ 43	14 ⁰ 31	17 ⁰ 58	T 10
W11	15 13 56	20 ⁰ 5'35	16 ⁰ 2	28 ⁰ 9	2 ⁰ 30	10 ⁰ 37	5 ⁰ 33	14 ⁰ 8	12 ⁰ 56	26 ⁰ 51	0 ⁰ 30	26 ⁰ 34	27 ⁰ 40	14 ⁰ 38	18 ⁰ 0	W11
T 12	15 17 53	21 ⁰ 3'39	0 ^Δ 16	29 ⁰ 46	3 ⁰ 37	11 ⁰ 20	5 ⁰ 29	14 ⁰ 11	12 ⁰ 55	26 ⁰ 52	0 ⁰ 29	26 ⁰ 29	27 ⁰ 37	14 ⁰ 44	18 ⁰ 2	T 12
F 13	15 21 49	22 ⁰ 1'42	14 ⁰ 58	1 ^Ω 24	4 ⁰ 44	12 ⁰ 4	5 ⁰ 25	14 ⁰ 14	12 ⁰ 53	26 ⁰ 53	0 ⁰ 27	26 ⁰ 22	27 ⁰ 33	14 ⁰ 51	18 ⁰ 5	F 13
S 14	15 25 46	22 ⁰ 59'42	0 ^{II} 2	3 ⁰ 4	5 ⁰ 50	12 ⁰ 48	5 ⁰ 22	14 ⁰ 17	12 ⁰ 52	26 ⁰ 54	0 ⁰ 26	26 ⁰ 14	27 ⁰ 30	14 ⁰ 58	18 ⁰ 8	S 14
S 15	15 29 43	23 ⁰ 57'41	15 ⁰ 18	4 ⁰ 47	6 ⁰ 57	13 ⁰ 32	5 ⁰ 19	14 ⁰ 20	12 ⁰ 51	26 ⁰ 56	0 ⁰ 24	26 ⁰ 4	27 ⁰ 27	15 ⁰ 4	18 ⁰ 10	S 15
M16	15 33 39	24 ⁰ 55'39	0 [✠] 37	6 ⁰ 31	8 ⁰ 3	14 ⁰ 16	5 ⁰ 16	14 ⁰ 23	12 ⁰ 50	26 ⁰ 57	0 ⁰ 22	25 ⁰ 56	27 ⁰ 24	15 ⁰ 11	18 ⁰ 13	M16
T 17	15 37 36	25 ⁰ 53'34	15 ⁰ 46	8 ⁰ 17	9 ⁰ 9	15 ⁰ 0	5 ⁰ 13	14 ⁰ 27	12 ⁰ 48	26 ⁰ 58	0 ⁰ 21	25 ⁰ 49	27 ⁰ 21	15 ⁰ 18	18 ⁰ 16	T 17
W18	15 41 32	26 ⁰ 51'29	0 ^Ω 37	10 ⁰ 6	10 ⁰ 14	15 ⁰ 43	5 ⁰ 10	14 ⁰ 30	12 ⁰ 47	26 ⁰ 59	0 ⁰ 19	25 ⁰ 44	27 ⁰ 18	15 ⁰ 25	18 ⁰ 19	W18
T 19	15 45 29	27 ⁰ 49'22	15 ⁰ 2	11 ⁰ 56	11 ⁰ 20	16 ⁰ 27	5 ⁰ 8	14 ⁰ 33	12 ⁰ 45	27 ⁰ 1	0 ⁰ 17	25 ⁰ 42	27 ⁰ 14	15 ⁰ 31	18 ⁰ 22	T 19
F 20	15 49 25	28 ⁰ 47'14	29 ⁰ 0	13 ⁰ 48	12 ⁰ 25	17 ⁰ 11	5 ⁰ 5	14 ⁰ 37	12 ⁰ 44	27 ⁰ 2	0 ⁰ 16	25 ⁰ D41	27 ⁰ 11	15 ⁰ 38	18 ⁰ 26	F 20
S 21	15 53 22	29 ⁰ 45'04	12 ^Ω 29	15 ⁰ 42	13 ⁰ 30	17 ⁰ 55	5 ⁰ 3	14 ⁰ 41	12 ⁰ 42	27 ⁰ 3	0 ⁰ 14	25 ⁰ 42	27 ⁰ 8	15 ⁰ 45	18 ⁰ 29	S 21
S 22	15 57 19	0 ^{II} 42'54	25 ⁰ 32	17 ⁰ 38	14 ⁰ 35	18 ⁰ 38	5 ⁰ 1	14 ⁰ 44	12 ⁰ 41	27 ⁰ 5	0 ⁰ 12	25 ⁰ R43	27 ⁰ 5	15 ⁰ 51	18 ⁰ 33	S 22
M23	16 1 15	1 ⁰ 40'42	8 [✠] 13	19 ⁰ 37	15 ⁰ 40	19 ⁰ 22	4 ⁰ 59	14 ⁰ 48	12 ⁰ 39	27 ⁰ 6	0 ⁰ 11	25 ⁰ 43	27 ⁰ 2	15 ⁰ 58	18 ⁰ 36	M23
T 24	16 5 12	2 ⁰ 38'29	20 ⁰ 36	21 ⁰ 36	16 ⁰ 44	20 ⁰ 6	4 ⁰ 58	14 ⁰ 52	12 ⁰ 38	27 ⁰ 8	0 ⁰ 9	25 ⁰ 41	26 ⁰ 59	16 ⁰ 5	18 ⁰ 40	T 24
W25	16 9 8	3 ⁰ 36'15	2 ^Y 45	23 ⁰ 38	17 ⁰ 48	20 ⁰ 49	4 ⁰ 56	14 ⁰ 56	12 ⁰ 36	27 ⁰ 9	0 ⁰ 7	25 ⁰ 37	26 ⁰ 55	16 ⁰ 12	18 ⁰ 43	W25
T 26	16 13 5	4 ⁰ 34'00	14 ⁰ 46	25 ⁰ 42	18 ⁰ 52	21 ⁰ 33	4 ⁰ 55	15 ⁰ 0	12 ⁰ 34	27 ⁰ 10	0 ⁰ 6	25 ⁰ 31	26 ⁰ 52	16 ⁰ 18	18 ⁰ 47	T 26
F 27	16 17 1	5 ⁰ 31'44	26 ⁰ 40	27 ⁰ 47	19 ⁰ 56	22 ⁰ 17	4 ⁰ 54	15 ⁰ 4	12 ⁰ 32	27 ⁰ 12	0 ⁰ 4	25 ⁰ 23	26 ⁰ 49	16 ⁰ 25	18 ⁰ 51	F 27
S 28	16 20 58	6 ⁰ 29'26	8 ^Ω 32	29 ⁰ 54	20 ⁰ 59	23 ⁰ 0	4 ⁰ 53	15 ⁰ 8	12 ⁰ 31	27 ⁰ 14	0 ⁰ 2	25 ⁰ 14	26 ⁰ 46	16 ⁰ 32	18 ⁰ 55	S 28
S 29	16 24 54	7 ⁰ 27'08	20 ⁰ 23	2 ^{II} 2	22 ⁰ 3	23 ⁰ 44	4 ⁰ 52	15 ⁰ 13	12 ⁰ 29	27 ⁰ 15	0 ⁰ 1	25 ⁰ 5	26 ⁰ 43	16 ⁰ 38	18 ⁰ 59	S 29
M30	16 28 51	8 ⁰ 24'48	2 ^{II} 15	4 ⁰ 11	23 ⁰ 5	24 ⁰ 27	4 ⁰ 52	15 ⁰ 17	12 ⁰ 27	27 ⁰ 17	29 ^{II} 59	24 ⁰ 57	26 ⁰ 39	16 ⁰ 45	19 ⁰ 3	M30
T 31	16 32 48	9 ^{II} 22'27	14 ^{II} 11	6 ^{II} 21	24 ^Ω 8	25 [✠] 10	4 ^Δ 51	15 ^Ω 22	12 ^Ω 25	27 ^Ω 18	29 ^{II} 57	24 ^Ω 49	26 ^Ω 36	16 ^Ω 52	19 ^Ω 8	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
S 1	14n55	10n38	4s51	2n51	2s51	25n17	2n10	11s45	1s34	1s 6	1n32	17n40	1n 2	23s 6	0s20	20n19	0s29	6s13	14n22	20n40	20n30	11n 8	9n17	6s32					
M 2	15 13	14 14	4 30	3 19	2 52	25 23	2 12	11 30	1 35	1 4	1 32	17 39	1 2	23 6	0 20	20 19	0 28	6 12	14 22	20 42	20 30	11 10	9 18	6 31					
T 3	15 31	17 15	3 57	3 49	2 53	25 29	2 15	11 15	1 36	1 2	1 32	17 39	1 2	23 6	0 20	20 19	0 28	6 12	14 22	20 45	20 31	11 12	9 18	6 30					
W 4	15 49	19 35	3 13	4 19	2 53	25 35	2 17	10 59	1 37	1 0	1 31	17 38	1 2	23 6	0 20	20 19	0 28	6 12	14 22	20 46	20 32	11 14	9 18	6 29					
T 5	16 6	21 4	2 21	4 51	2 53	25 39	2 19	10 44	1 38	0 58	1 31	17 37	1 2	23 7	0 20	20 19	0 28	6 11	14 22	20 47	20 32	11 17	9 18	6 28					
F 6	16 23	21 35	1 21	5 23	2 52	25 43	2 21	10 28	1 38	0 57	1 31	17 37	1 2	23 7	0 20	20 19	0 28	6 11	14 22	20 48	20 33	11 19	9 19	6 28					
S 7	16 40	21 6	0 17	5 57	2 50	25 46	2 23	10 13	1 39	0 55	1 31	17 36	1 2	23 7	0 21	20 18	0 28	6 11	14 22	20 48	20 33	11 21	9 19	6 27					
S 8	16 57	19 32	0n50	6 31	2 48	25 49	2 25	9 57	1 40	0 54	1 31	17 35	1 2	23 7	0 21	20 18	0 28	6 10	14 22	20 48	20 34	11 23	9 19	6 26					
M 9	17 13	16 57	1 56	7 7	2 45	25 51	2 27	9 42	1 41	0 52	1 30	17 35	1 2	23 7	0 21	20 18	0 28	6 10	14 22	20 48	20 35	11 25	9 19	6 25					
T 10	17 29	13 25	2 58	7 43	2 42	25 52	2 28	9 26	1 42	0 51	1 30	17 34	1 2	23 7	0 21	20 18	0 28	6 10	14 22	20 48	20 35	11 28	9 19	6 24					
W11	17 45	9 3	3 51	8 21	2 38	25 53	2 30	9 10	1 43	0 49	1 30	17 33	1 2	23 7	0 21	20 18	0 28	6 9	14 22	20 49	20 36	11 30	9 19	6 24					
T 12	18 0	4 4	4 33	8 59	2 33	25 53	2 31	8 54	1 44	0 48	1 30	17 32	1 2	23 7	0 21	20 18	0 28	6 9	14 22	20 50	20 37	11 32	9 19	6 23					
F 13	18 15	1s19	4 58	9 37	2 29	25 52	2 33	8 38	1 45	0 47	1 30	17 31	1 2	23 8	0 21	20 17	0 28	6 9	14 22	20 51	20 37	11 34	9 19	6 22					
S 14	18 30	6 44	5 3	10 17	2 23	25 51	2 34	8 22	1 45	0 46	1 29	17 31	1 2	23 8	0 21	20 17	0 28	6 8	14 22	20 53	20 38	11 36	9 19	6 21					
S 15	18 44	11 50	4 47	10 57	2 17	25 48	2 35	8 6	1 46	0 45	1 29	17 30	1 2	23 8	0 21	20 17	0 28	6 8	14 22	20 54	20 38	11 38	9 19	6 21					
M16	18 58	16 10	4 10	11 37	2 11	25 46	2 36	7 50	1 47	0 44	1 29	17 29	1 2	23 8	0 21	20 17	0 28	6 8	14 22	20 56	20 39	11 41	9 19	6 20					
T 17	19 12	19 24	3 16	12 18	2 4	25 42	2 37	7 34	1 48	0 43	1 29	17 28	1 2	23 8	0 21	20 17	0 28	6 7	14 22	20 57	20 40	11 43	9 19	6 19					
W18	19 26	21 14	2 10	12 59	1 56	25 38	2 38	7 18	1 49	0 42	1 28	17 27	1 2	23 8	0 21	20 16	0 28	6 7	14 22	20 58	20 40	11 45	9 19	6 18					
T 19	19 39	21 37	0 57	13 40	1 49	25 34	2 39	7 1	1 50	0 41	1 28	17 26	1 2	23 8	0 21	20 16	0 28	6 7	14 22	20 59	20 41	11 47	9 18	6 17					
F 20	19 52	20 37	0s18	14 22	1 40	25 29	2 40	6 45	1 51	0 40	1 28	17 25	1 2	23 9	0 21	20 16	0 28	6 6	14 22	20 59	20 42	11 49	9 18	6 17					
S 21	20 4	18 27	1 29	15 3	1 32	25 23	2 40	6 29	1 51	0 40	1 28	17 24	1 2	23 9	0 21	20 16	0 28	6 6	14 22	20 58	20 42	11 51	9 18	6 16					
S 22	20 16	15 24	2 33	15 45	1 23	25 16	2 41	6 13	1 52	0 39	1 28	17 22	1 2	23 9	0 21	20 15	0 28	6 6	14 22	20 58	20 43	11 54	9 18	6 15					
M23	20 28	11 41	3 28	16 26	1 13	25 9	2 41	5 56	1 53	0 39	1 27	17 21	1 2	23 9	0 21	20 15	0 28	6 6	14 22	20 58	20 43	11 56	9 17	6 14					
T 24	20 40	7 34	4 11	17 7	1 4	25 2	2 41	5 40	1 54	0 38	1 27	17 20	1 2	23 9	0 21	20 15	0 28	6 5	14 22	20 59	20 44	11 58	9 17	6 14					
W25	20 51	3 14	4 43	17 47	0 54	24 53	2 41	5 23	1 55	0 38	1 27	17 19	1 2	23 9	0 21	20 15	0 28	6 5	14 22	20 59	20 45	12 0	9 17	6 13					
T 26	21 1	1n11	5 1	18 27	0 43	24 45	2 41	5 7	1 55	0 38	1 27	17 18	1 2	23 10	0 21	20 14	0 28	6 5	14 22	21 0	20 45	12 2	9 16	6 12					
F 27	21 12	5 30	5 6	19 6	0 33	24 35	2 41	4 50	1 56	0 37	1 26	17 16	1 2	23 10	0 21	20 14	0 28	6 5	14 22	21 2	20 46	12 4	9 16	6 11					
S 28	21 22	9 37	4 58	19 44	0 23	24 25	2 41	4 34	1 57	0 37	1 26	17 15	1 2	23 10	0 21	20 14	0 28	6 5	14 21	21 4	20 46	12 7	9 15	6 11					
S 29	21 31	13 21	4 37	20 21	0 12	24 15	2 41	4 18	1 58	0 37	1 26	17 14	1 2	23 10	0 21	20 14	0 28	6 4	14 21	21 5	20 47	12 9	9 15	6 10					
M30	21 41	16 35	4 5	20 56	0 1	24 4	2 40	4 1	1 59	0 37	1 26	17 13	1 2	23 10	0 21	20 13	0 28	6 4	14 21	21 7	20 48	12 11	9 14	6 9					
T 31	21n50	19n 9	3s21	21n30	0n 9	23n52	2n39	3s45	1s59	0s37	1n25	17n11	1n 1	23s11	0s21	20n13	0s28	6s 4	14n21	21n 8	20n48	12n13	9n13	6s 9					

ASTRODIENST EPHEMERIS for the year 2242

geocentric

JULY 2242

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	18 35 1	9 ⁵⁵ 1'30	0 ⁰² 2	3 ⁵³ 53	23 ⁰² 4	17 ⁰⁹ 6	6 ⁵² 7	18 ⁰² 16	11 ⁰⁰ R16	28 ⁵⁸ 17	29 ⁰⁰ R12	24 ⁰⁰ D 3	24 ⁵⁸ 58	20 ⁰⁸ 20	21 ⁰² 57	F 1
S 2	18 38 57	9 ⁵⁸ 8'45	12 ⁴⁵	5 ⁰⁰ 8	23 ⁵¹	17 ⁴⁷	6 ¹²	18 ²²	11 ⁰³ 13	28 ¹⁹	29 ⁰⁰ M11	24 ⁵⁸ 4	24 ⁵⁵	20 ²⁷	22 ⁰⁰ 3	S 2
S 3	18 42 54	10 ⁵⁶ 0'00	25 ⁴²	6 ²⁰	24 ³⁶	18 ²⁸	6 ¹⁸	18 ²⁹	11 ¹¹	28 ²¹	29 ¹⁰	24 ⁰⁰ 5	24 ⁵¹	20 ³³	22 ¹⁰	S 3
M 4	18 46 50	11 ⁵³ 1'14	8 ⁰⁰ 54	7 ²⁹	25 ²¹	19 ⁰⁰	6 ²³	18 ³⁵	11 ⁰⁰ 8	28 ²⁴	29 ⁰⁰ 9	24 ⁰⁰ 6	24 ⁴⁸	20 ⁴⁰	22 ¹⁷	M 4
T 5	18 50 47	12 ⁵⁰ 2'28	22 ²²	8 ³⁵	26 ⁰⁰	19 ⁵⁰	6 ²⁹	18 ⁴²	11 ⁰⁰ 6	28 ²⁶	29 ⁰⁰ 8	24 ⁰⁰ 7	24 ⁴⁵	20 ⁴⁷	22 ²³	T 5
W 6	18 54 44	13 ⁴⁷ 4'41	6 ⁵² 5	9 ³⁸	26 ⁴⁸	20 ³¹	6 ³⁴	18 ⁴⁹	11 ⁰⁰ 4	28 ²⁸	29 ⁰⁰ 7	24 ⁰⁰ 7	24 ⁴²	20 ⁵³	22 ³⁰	W 6
T 7	18 58 40	14 ⁴⁴ 5'4	20 ⁰⁰ 5	10 ³⁸	27 ³⁰	21 ¹¹	6 ⁴⁰	18 ⁵⁶	11 ⁰⁰ 1	28 ³⁰	29 ⁰⁰ 6	24 ⁰⁰ R 8	24 ³⁹	21 ⁰⁰	22 ³⁷	T 7
F 8	19 02 37	15 ⁴² 0'06	4 ⁰⁰ 20	11 ³⁴	28 ¹¹	21 ⁵²	6 ⁴⁶	19 ⁰⁰ 3	10 ⁵⁹	28 ³²	29 ⁰⁰ 5	24 ⁰⁰ 7	24 ³⁶	21 ⁰⁰ 7	22 ⁴⁴	F 8
S 9	19 06 33	16 ³⁹ 1'19	18 ⁴⁸	12 ²⁸	28 ⁵¹	22 ³²	6 ⁵²	19 ⁰⁰ 9	10 ⁵⁶	28 ³⁴	29 ⁰⁰ 4	24 ⁰⁰ 7	24 ³²	21 ¹⁴	22 ⁵⁰	S 9
S 10	19 10 30	17 ³⁶ 3'1	3 ⁵² 25	13 ¹⁸	29 ³⁰	23 ¹²	6 ⁵⁸	19 ¹⁶	10 ⁵⁴	28 ³⁷	29 ⁰⁰ 3	24 ⁰⁰ 6	24 ²⁹	21 ²⁰	22 ⁵⁷	S 10
M 11	19 14 26	18 ³³ 4'42	18 ⁰⁰ 5	14 ⁰⁰ 4	0 ⁰⁰ 8	23 ⁵²	7 ⁰⁰ 5	19 ²³	10 ⁵¹	28 ³⁹	29 ⁰⁰ 2	24 ⁰⁰ 5	24 ²⁶	21 ²⁷	23 ⁰⁰ 4	M 11
T 12	19 18 23	19 ³⁰ 5'4	2 ⁵³ 43	14 ⁴⁷	0 ⁴⁴	24 ³²	7 ¹¹	19 ³⁰	10 ⁴⁹	28 ⁴¹	29 ⁰⁰ 1	24 ⁰⁰ 5	24 ²³	21 ³⁴	23 ¹¹	T 12
W 13	19 22 19	20 ²⁸ 0'06	17 ¹²	15 ²⁶	1 ²⁰	25 ¹²	7 ¹⁸	19 ³⁷	10 ⁴⁷	28 ⁴³	29 ⁰⁰ 0	24 ⁰⁰ D 5	24 ²⁰	21 ⁴⁰	23 ¹⁸	W 13
T 14	19 26 16	21 ²⁵ 1'18	1 ⁵⁵ 26	16 ⁰⁰ 1	1 ⁵⁴	25 ⁵²	7 ²⁵	19 ⁴⁴	10 ⁴⁴	28 ⁴⁵	28 ⁵⁹	24 ⁰⁰ 5	24 ¹⁷	21 ⁴⁷	23 ²⁵	T 14
F 15	19 30 13	22 ²² 3'0	15 ²¹	16 ³³	2 ²⁶	26 ³¹	7 ³²	19 ⁵¹	10 ⁴²	28 ⁴⁸	28 ⁵⁹	24 ⁰⁰ 5	24 ¹³	21 ⁵⁴	23 ³³	F 15
S 16	19 34 09	23 ¹⁹ 4'42	28 ⁵⁴	17 ⁰⁰	2 ⁵⁷	27 ¹¹	7 ³⁹	19 ⁵⁹	10 ⁴⁰	28 ⁵⁰	28 ⁵⁸	24 ⁰⁰ 5	24 ¹⁰	22 ⁰⁰ 1	23 ⁴⁰	S 16
S 17	19 38 06	24 ¹⁶ 5'4	12 ⁰⁰ 4	17 ²²	3 ²⁷	27 ⁵⁰	7 ⁴⁶	20 ⁰⁰ 6	10 ³⁷	28 ⁵²	28 ⁵⁷	24 ⁰⁰ R 5	24 ⁰⁰ 7	22 ⁰⁰ 7	23 ⁴⁷	S 17
M 18	19 42 02	25 ¹⁴ 0'07	24 ⁵²	17 ⁴⁰	3 ⁵⁶	28 ²⁹	7 ⁵³	20 ¹³	10 ³⁵	28 ⁵⁴	28 ⁵⁶	24 ⁰⁰ 5	24 ⁰⁰ 4	22 ¹⁴	23 ⁵⁴	M 18
T 19	19 45 59	26 ¹¹ 2'21	7 ⁰⁰ 22	17 ⁵⁴	4 ²²	29 ⁰⁰ 8	8 ⁰⁰ 0	20 ²⁰	10 ³³	28 ⁵⁷	28 ⁵⁶	24 ⁰⁰ 5	24 ⁰⁰ 1	22 ²¹	24 ⁰⁰ 1	T 19
W 20	19 49 55	27 ⁰⁰ 8'35	19 ³⁵	18 ⁰⁰ 3	4 ⁴⁸	29 ⁴⁷	8 ⁰⁰ 8	20 ²⁷	10 ³⁰	28 ⁵⁹	28 ⁵⁵	24 ⁰⁰ 4	23 ⁵⁷	22 ²⁷	24 ⁰⁰ 9	W 20
T 21	19 53 52	28 ⁰⁰ 5'49	1 ⁵³ 37	18 ⁰⁰ 7	5 ¹¹	0 ⁰⁰ 26	8 ¹⁶	20 ³⁵	10 ²⁸	29 ⁰⁰ 1	28 ⁵⁴	24 ⁰⁰ D 4	23 ⁵⁴	22 ³⁴	24 ¹⁶	T 21
F 22	19 57 48	29 ⁰⁰ 3'05	13 ³¹	18 ⁰⁰ 6	5 ³³	1 ⁰⁰ 4	8 ²³	20 ⁴²	10 ²⁶	29 ⁰⁰ 3	28 ⁵⁴	24 ⁰⁰ 5	23 ⁵¹	22 ⁴¹	24 ²³	F 22
S 23	20 01 45	0 ⁰⁰ 2'21	25 ²³	18 ⁰⁰ 1	5 ⁵³	1 ⁴³	8 ³¹	20 ⁴⁹	10 ²³	29 ⁰⁰ 5	28 ⁵³	24 ⁰⁰ 5	23 ⁴⁸	22 ⁴⁷	24 ³¹	S 23
S 24	20 05 42	0 ⁵⁷ 3'37	7 ⁰⁰ 17	17 ⁵⁰	6 ¹¹	2 ²¹	8 ³⁹	20 ⁵⁷	10 ²¹	29 ⁰⁰ 8	28 ⁵³	24 ⁰⁰ 6	23 ⁴⁵	22 ⁵⁴	24 ³⁸	S 24
M 25	20 09 38	1 ⁵⁴ 5'55	19 ¹⁶	17 ³⁵	6 ²⁸	2 ⁵⁹	8 ⁴⁸	21 ⁰⁰ 4	10 ¹⁹	29 ¹⁰	28 ⁵²	24 ⁰⁰ 6	23 ⁴²	23 ⁰⁰ 1	24 ⁴⁶	M 25
T 26	20 13 35	2 ⁵² 1'13	1 ⁰⁰ 25	17 ¹⁵	6 ⁴²	3 ³⁷	8 ⁵⁶	21 ¹²	10 ¹⁷	29 ¹²	28 ⁵²	24 ⁰⁰ 7	23 ³⁸	23 ⁰⁰ 8	24 ⁵³	T 26
W 27	20 17 31	3 ⁴⁹ 3'32	13 ⁴⁶	16 ⁵¹	6 ⁵⁵	4 ¹⁴	9 ⁰⁰ 4	21 ¹⁹	10 ¹⁵	29 ¹⁴	28 ⁵¹	24 ⁰⁰ 8	23 ³⁵	23 ¹⁴	25 ⁰⁰ 1	W 27
T 28	20 21 28	4 ⁴⁶ 5'51	26 ²¹	16 ²²	7 ⁰⁰ 5	4 ⁵²	9 ¹³	21 ²⁶	10 ¹²	29 ¹⁷	28 ⁵¹	24 ⁰⁰ R 8	23 ³²	23 ²¹	25 ⁰⁰ 9	T 28
F 29	20 25 24	5 ⁴⁴ 1'11	9 ⁰⁰ 11	15 ⁵⁰	7 ¹³	5 ²⁹	9 ²¹	21 ³⁴	10 ¹⁰	29 ¹⁹	28 ⁵⁰	24 ⁰⁰ 7	23 ²⁹	23 ²⁸	25 ¹⁶	F 29
S 30	20 29 21	6 ⁴¹ 3'31	22 ¹⁶	15 ¹⁴	7 ²⁰	6 ⁰⁰ 6	9 ³⁰	21 ⁴¹	10 ⁰⁰ 8	29 ²¹	28 ⁵⁰	24 ⁰⁰ 7	23 ²⁶	23 ³⁴	25 ²⁴	S 30
S 31	20 33 17	7 ⁰² 38'53	5 ⁰⁰ 37	14 ⁰² 35	7 ⁰⁰ 24	6 ⁰⁰ 43	9 ⁵³ 39	21 ⁰² 49	10 ⁰⁰ 6	29 ²³	28 ⁵⁰	24 ⁵⁸ 5	23 ²³	23 ⁰⁰ 41	25 ⁰² 31	S 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑	♒	♓	♈			
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat		
F 1	23n 6	20n39	0n33	20n17	1n 4	14n43	0n58	4n34	2s19	1s14	1n18	16n19	1n 1	23s17	0s21	20n 2	0s27	6s 4	14n13	21n16	21n 7	13n19	8n39	5s49
S 2	23 2	18 35	1 42	19 51	0 55	14 22	0 52	4 49	2 19	1 16	1 18	16 17	1 1	23 17	0 22	20 1	0 27	6 4	14 12	21 16	21 7	13 21	8 38	5 49
S 3	22 57	15 32	2 46	19 24	0 45	14 1	0 45	5 4	2 20	1 19	1 17	16 15	1 1	23 18	0 22	20 1	0 27	6 4	14 12	21 16	21 8	13 23	8 36	5 48
M 4	22 53	11 40	3 43	18 57	0 36	13 39	0 38	5 19	2 20	1 21	1 17	16 12	1 1	23 18	0 22	20 1	0 27	6 4	14 11	21 16	21 8	13 25	8 34	5 48
T 5	22 47	7 9	4 29	18 30	0 25	13 18	0 31	5 34	2 21	1 23	1 17	16 10	1 1	23 18	0 22	20 0	0 27	6 4	14 11	21 16	21 9	13 28	8 33	5 47
W 6	22 42	2 12	5 1	18 3	0 14	12 56	0 24	5 49	2 21	1 26	1 17	16 8	1 1	23 18	0 22	20 0	0 27	6 4	14 11	21 15	21 9	13 30	8 31	5 47
T 7	22 36	2s58	5 16	17 36	0 3	12 35	0 17	6 4	2 21	1 28	1 16	16 6	1 1	23 18	0 22	19 59	0 27	6 5	14 10	21 15	21 10	13 32	8 29	5 46
F 8	22 29	8 3	5 12	17 9	0s 9	12 13	0 9	6 19	2 22	1 31	1 16	16 4	1 1	23 19	0 22	19 59	0 27	6 5	14 10	21 15	21 10	13 34	8 28	5 46
S 9	22 22	12 46	4 48	16 42	0 21	11 52	0 1	6 33	2 22	1 34	1 16	16 2	1 1	23 19	0 22	19 59	0 27	6 5	14 9	21 16	21 11	13 36	8 26	5 46
S 10	22 15	16 47	4 5	16 16	0 34	11 31	0s 7	6 48	2 23	1 36	1 16	16 0	1 1	23 19	0 22	19 58	0 27	6 5	14 9	21 16	21 12	13 38	8 24	5 45
M11	22 7	19 47	3 7	15 50	0 47	11 10	0 16	7 2	2 23	1 39	1 16	15 58	1 1	23 19	0 22	19 58	0 27	6 6	14 8	21 16	21 12	13 40	8 22	5 45
T 12	21 59	21 27	1 56	15 25	1 0	10 49	0 25	7 16	2 23	1 42	1 15	15 56	1 1	23 20	0 22	19 57	0 27	6 6	14 8	21 16	21 13	13 42	8 21	5 44
W13	21 51	21 40	0 38	15 1	1 14	10 28	0 34	7 30	2 24	1 44	1 15	15 53	1 1	23 20	0 22	19 57	0 27	6 6	14 7	21 16	21 13	13 44	8 19	5 44
T 14	21 42	20 29	0s41	14 37	1 27	10 7	0 43	7 45	2 24	1 47	1 15	15 51	1 1	23 20	0 22	19 56	0 27	6 6	14 7	21 16	21 14	13 46	8 17	5 43
F 15	21 33	18 3	1 55	14 14	1 42	9 47	0 52	7 58	2 24	1 50	1 15	15 49	1 1	23 20	0 22	19 56	0 27	6 7	14 7	21 16	21 14	13 48	8 15	5 43
S 16	21 24	14 41	3 1	13 53	1 56	9 26	1 2	8 12	2 25	1 53	1 15	15 47	1 1	23 20	0 22	19 55	0 27	6 7	14 6	21 16	21 15	13 51	8 13	5 43
S 17	21 14	10 40	3 56	13 32	2 10	9 6	1 12	8 26	2 25	1 56	1 14	15 45	1 1	23 20	0 22	19 55	0 27	6 7	14 6	21 16	21 16	13 53	8 11	5 42
M18	21 4	6 16	4 37	13 13	2 25	8 47	1 22	8 40	2 25	1 59	1 14	15 42	1 1	23 21	0 22	19 55	0 27	6 8	14 5	21 16	21 16	13 55	8 9	5 42
T 19	20 53	1 44	5 4	12 55	2 39	8 27	1 33	8 53	2 25	2 2	1 14	15 40	1 1	23 21	0 22	19 54	0 27	6 8	14 5	21 16	21 17	13 57	8 7	5 41
W20	20 42	2n46	5 16	12 39	2 54	8 8	1 43	9 7	2 25	2 6	1 14	15 38	1 1	23 21	0 22	19 54	0 27	6 8	14 4	21 16	21 17	13 59	8 5	5 41
T 21	20 31	7 6	5 14	12 24	3 8	7 49	1 54	9 20	2 26	2 9	1 14	15 35	1 1	23 21	0 22	19 53	0 27	6 9	14 4	21 16	21 18	14 1	8 3	5 41
F 22	20 19	11 7	4 59	12 11	3 22	7 31	2 6	9 33	2 26	2 12	1 13	15 33	1 1	23 21	0 22	19 53	0 27	6 9	14 3	21 16	21 18	14 3	8 1	5 40
S 23	20 7	14 42	4 31	12 0	3 35	7 13	2 17	9 46	2 26	2 15	1 13	15 31	1 1	23 22	0 22	19 52	0 27	6 9	14 3	21 16	21 19	14 5	7 59	5 40
S 24	19 55	17 41	3 51	11 51	3 48	6 55	2 29	9 59	2 26	2 19	1 13	15 29	1 1	23 22	0 22	19 52	0 27	6 10	14 2	21 16	21 19	14 7	7 57	5 40
M25	19 42	19 58	3 1	11 44	4 0	6 38	2 41	10 12	2 26	2 22	1 13	15 26	1 1	23 22	0 22	19 51	0 27	6 10	14 2	21 16	21 20	14 9	7 55	5 39
T 26	19 29	21 21	2 3	11 39	4 12	6 22	2 53	10 24	2 27	2 25	1 13	15 24	1 1	23 22	0 22	19 51	0 27	6 10	14 1	21 15	21 20	14 11	7 53	5 39
W27	19 16	21 45	0 57	11 36	4 22	6 6	3 5	10 37	2 27	2 29	1 12	15 21	1 1	23 22	0 22	19 51	0 27	6 11	14 1	21 15	21 21	14 13	7 50	5 39
T 28	19 3	21 3	0n12	11 35	4 32	5 50	3 18	10 49	2 27	2 32	1 12	15 19	1 1	23 22	0 22	19 50	0 27	6 11	14 0	21 15	21 22	14 15	7 48	5 38
F 29	18 49	19 15	1 22	11 36	4 40	5 35	3 30	11 1	2 27	2 36	1 12	15 17	1 1	23 23	0 22	19 50	0 27	6 12	14 0	21 15	21 22	14 17	7 46	5 38
S 30	18 34	16 25	2 29	11 40	4 47	5 21	3 43	11 13	2 27	2 40	1 12	15 14	1 1	23 23	0 22	19 49	0 27	6 12	13 59	21 16	21 23	14 20	7 44	5 38
S 31	18n20	12n41	3n30	11n46	4s53	5n 8	3s56	11n25	2s27	2s43	1n12	15n12	1n 2	23s23	0s22	19n49	0s27	6s13	13n59	21n16	21n23	14n22	7n42	5s37

ASTRODIENST EPHEMERIS for the year 2242

geocentric

AUGUST 2242

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	20 37 14	8♌36°14	19♍11	13♍R53	7♍R25	7♍R19	9♍48	21♌57	10♍R 4	29♍25	28♍R49	24♍R 3	23♍19	23♍48	25♌39	M 1
T 2	20 41 11	9°33'36	2♌58	13♌10	7♍25	7°56	9°57	22° 4	10♌2	29°28	28♌49	24♌1	23°16	23°55	25°47	T 2
W 3	20 45 7	10°30'59	16°55	12°26	7°22	8°32	10° 6	22°12	10° 0	29°30	28°49	24° 0	23°13	24° 1	25°55	W 3
T 4	20 49 4	11°28'22	1♌0	11°42	7°16	9° 8	10°15	22°19	9°58	29°32	28°49	23°59	23°10	24° 8	26° 2	T 4
F 5	20 53 0	12°25'45	15°11	10°58	7° 8	9°44	10°25	22°27	9°56	29°34	28°48	23°D58	23° 7	24°15	26°10	F 5
S 6	20 56 57	13°23'10	29°26	10°15	6°58	10°19	10°34	22°35	9°54	29°36	28°48	23°59	23° 3	24°21	26°18	S 6
S 7	21 0 53	14°20'34	13♌42	9°35	6°46	10°55	10°44	22°42	9°52	29°39	28°48	24° 0	23° 0	24°28	26°26	S 7
M 8	21 4 50	15°18'00	27°57	8°58	6°31	11°30	10°53	22°50	9°51	29°41	28°48	24° 1	22°57	24°35	26°34	M 8
T 9	21 8 46	16°15'26	12♌7	8°24	6°13	12° 5	11° 3	22°57	9°49	29°43	28°D48	24° 3	22°54	24°41	26°41	T 9
W10	21 12 43	17°12'53	26°10	7°55	5°54	12°39	11°13	23° 5	9°47	29°45	28°48	24°R 3	22°51	24°48	26°49	W10
T 11	21 16 40	18°10'20	10♌2	7°30	5°32	13°14	11°23	23°13	9°45	29°47	28°48	24° 2	22°48	24°55	26°57	T 11
F 12	21 20 36	19° 7'49	23°40	7°12	5° 8	13°48	11°33	23°20	9°44	29°49	28°48	24° 0	22°44	25° 2	27° 5	F 12
S 13	21 24 33	20° 5'19	7♌1	6°59	4°42	14°21	11°43	23°28	9°42	29°51	28°48	23°57	22°41	25° 8	27°13	S 13
S 14	21 28 29	21° 2'49	20° 5	6°D52	4°14	14°55	11°53	23°36	9°40	29°54	28°49	23°53	22°38	25°15	27°21	S 14
M15	21 32 26	22° 0'21	2♌50	6°52	3°44	15°28	12° 3	23°43	9°39	29°56	28°49	23°49	22°35	25°22	27°29	M15
T 16	21 36 22	22°57'54	15°18	6°59	3°13	16° 1	12°13	23°51	9°37	29°58	28°49	23°44	22°32	25°28	27°37	T 16
W17	21 40 19	23°55'29	27°32	7°13	2°40	16°34	12°24	23°59	9°36	29°59	28°49	23°41	22°29	25°35	27°45	W17
T 18	21 44 15	24°53'05	9♌34	7°34	2° 6	17° 7	12°34	24° 6	9°34	0♌2	28°49	23°38	22°25	25°42	27°53	T 18
F 19	21 48 12	25°50'43	21°28	8° 3	1°31	17°39	12°45	24°14	9°33	0° 4	28°50	23°D37	22°22	25°48	28° 1	F 19
S 20	21 52 9	26°48'22	3♌20	8°38	0°54	18°11	12°56	24°22	9°31	0° 6	28°50	23°37	22°19	25°55	28° 8	S 20
S 21	21 56 5	27°46'02	15°14	9°21	0°18	18°42	13° 6	24°30	9°30	0° 8	28°50	23°38	22°16	26° 2	28°16	S 21
M22	22 0 2	28°43'44	27°15	10°10	29♌41	19°13	13°17	24°37	9°29	0°10	28°51	23°40	22°13	26° 9	28°24	M22
T 23	22 3 58	29°41'28	9♌27	11° 6	29° 3	19°44	13°28	24°45	9°27	0°12	28°51	23°41	22° 9	26°15	28°32	T 23
W24	22 7 55	0♍39'13	21°55	12° 9	28°26	20°15	13°39	24°53	9°26	0°14	28°52	23°R42	22° 6	26°22	28°40	W24
T 25	22 11 51	1°37'00	4♌41	13°18	27°49	20°45	13°50	25° 0	9°25	0°16	28°52	23°42	22° 3	26°29	28°48	T 25
F 26	22 15 48	2°34'48	17°48	14°33	27°13	21°15	14° 1	25° 8	9°24	0°18	28°53	23°39	22° 0	26°35	28°56	F 26
S 27	22 19 44	3°32'37	1♍16	15°53	26°37	21°44	14°12	25°15	9°23	0°20	28°53	23°35	21°57	26°42	29° 4	S 27
S 28	22 23 41	4°30'28	15° 2	17°20	26° 3	22°13	14°24	25°23	9°22	0°22	28°54	23°30	21°54	26°49	29°12	S 28
M29	22 27 38	5°28'21	29° 4	18°50	25°29	22°42	14°35	25°31	9°21	0°24	28°55	23°23	21°50	26°55	29°20	M29
T 30	22 31 34	6°26'14	13♌17	20°26	24°57	23°10	14°46	25°38	9°20	0°26	28°55	23°17	21°47	27° 2	29°28	T 30
W31	22 35 31	7♍24'09	27♌36	22♌6	24♌27	23♌38	14♌58	25♌46	9♌19	0♌27	28♌56	23♌11	21♌44	27♌9	29♌36	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	18n 5	8n15	4n19	11n54	4s56	4n55	4s 9	11n37	2s27	2s47	1n11	15n10	1n 2	23s23	0s22	19n48
T 2	17 50	3 20	4 55	12 4	4 59	4 43	4 23	11 49	2 27	2 51	1 11	15 7	1 3	23 23	0 22	19 48
W 3	17 35	1s49	5 13	12 15	4 59	4 31	4 36	12 0	2 27	2 54	1 11	15 5	1 3	23 23	0 22	19 47
T 4	17 19	6 54	5 13	12 29	4 58	4 21	4 49	12 12	2 27	2 58	1 11	15 2	1 3	23 24	0 22	19 47
F 5	17 3	11 40	4 54	12 44	4 55	4 11	5 3	12 23	2 27	3 2	1 11	15 0	1 3	23 24	0 22	19 47
S 6	16 47	15 49	4 17	12 59	4 50	4 3	5 16	12 34	2 27	3 6	1 11	14 58	1 3	23 24	0 22	19 46
S 7	16 30	19 2	3 24	13 16	4 43	3 55	5 29	12 45	2 27	3 10	1 10	14 55	1 3	23 24	0 22	19 46
M 8	16 14	21 5	2 19	13 34	4 35	3 48	5 42	12 56	2 27	3 13	1 10	14 53	1 3	23 24	0 22	19 45
T 9	15 57	21 46	1 5	13 52	4 25	3 42	5 55	13 7	2 27	3 17	1 10	14 50	1 3	23 24	0 22	19 45
W10	15 39	21 5	0s12	14 10	4 14	3 38	6 8	13 17	2 27	3 21	1 10	14 48	1 3	23 24	0 22	19 44
T 11	15 22	19 6	1 27	14 29	4 1	3 34	6 20	13 28	2 26	3 25	1 10	14 45	1 3	23 24	0 22	19 44
F 12	15 4	16 4	2 36	14 47	3 48	3 31	6 33	13 38	2 26	3 29	1 10	14 43	1 3	23 25	0 22	19 43
S 13	14 46	12 14	3 34	15 4	3 33	3 30	6 44	13 48	2 26	3 34	1 9	14 40	1 3	23 25	0 22	19 43
S 14	14 28	7 55	4 20	15 21	3 17	3 29	6 56	13 58	2 26	3 38	1 9	14 38	1 3	23 25	0 22	19 43
M15	14 9	3 21	4 52	15 36	3 1	3 29	7 6	14 8	2 26	3 42	1 9	14 35	1 3	23 25	0 22	19 42
T 16	13 51	1n16	5 9	15 51	2 45	3 31	7 17	14 17	2 25	3 46	1 9	14 33	1 3	23 25	0 22	19 42
W17	13 32	5 43	5 12	16 4	2 28	3 34	7 26	14 27	2 25	3 50	1 9	14 31	1 3	23 25	0 22	19 41
T 18	13 13	9 54	5 1	16 15	2 11	3 37	7 35	14 36	2 25	3 54	1 9	14 28	1 4	23 25	0 22	19 41
F 19	12 53	13 39	4 37	16 24	1 53	3 42	7 43	14 45	2 25	3 59	1 9	14 26	1 4	23 25	0 22	19 40
S 20	12 34	16 51	4 1	16 32	1 36	3 47	7 51	14 55	2 24	4 3	1 8	14 23	1 4	23 25	0 22	19 40
S 21	12 14	19 22	3 15	16 37	1 19	3 53	7 58	15 3	2 24	4 7	1 8	14 21	1 4	23 26	0 22	19 40
M22	11 54	21 3	2 19	16 40	1 3	4 1	8 3	15 12	2 24	4 11	1 8	14 18	1 4	23 26	0 22	19 39
T 23	11 34	21 47	1 17	16 40	0 46	4 9	8 8	15 21	2 23	4 16	1 8	14 16	1 4	23 26	0 22	19 39
W24	11 14	21 28	0 10	16 38	0 31	4 17	8 13	15 29	2 23	4 20	1 8	14 13	1 4	23 26	0 22	19 38
T 25	10 53	20 2	0n59	16 33	0 16	4 27	8 16	15 38	2 22	4 25	1 8	14 11	1 4	23 26	0 22	19 38
F 26	10 32	17 30	2 7	16 26	0 1	4 37	8 18	15 46	2 22	4 29	1 8	14 8	1 4	23 26	0 22	19 37
S 27	10 12	13 58	3 10	16 15	0n12	4 47	8 19	15 54	2 21	4 33	1 8	14 6	1 4	23 26	0 22	19 37
S 28	9 51	9 37	4 2	16 1	0 25	4 58	8 20	16 2	2 21	4 38	1 7	14 3	1 4	23 26	0 22	19 37
M29	9 30	4 41	4 41	15 45	0 37	5 9	8 20	16 10	2 20	4 42	1 7	14 1	1 5	23 26	0 22	19 36
T 30	9 8	0s34	5 4	15 25	0 48	5 21	8 18	16 17	2 20	4 47	1 7	13 58	1 5	23 26	0 22	19 36
W31	8n47	5s49	5n 8	15n 3	0n58	5n32	8s16	16n25	2s19	4s51	1n 7	13n56	1n 5	23s26	0s21	19n35

Julian Day Number = 2540145.5, Delta T = 210.77 sec

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

Ayanamsha: Fagan/Bradley = 28°07'50", Lahiri = 27°14'51"

ASTRODIENST EPHEMERIS for the year 2242

geocentric

SEPTEMBER 2242

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 39 27	8 ^h 22'06"	11 ^m 56	23 ^s 049	23°R58	24 ^h 8 6	15 ^s 9 2	25 ^s 054	9°R18	0 ^s 029	28 ^m 57	23°R 6	21 ^s 041	27 ^m 816	29 ^s 044	T 1
F 2	22 43 24	9°20'03"	26°14'	25°35'	23 ^s 031	24°33'	15°21'	26° 1'	9 ^s 017	0°31'	28°58'	23 ^s 04	21°38'	27°22'	29°52'	F 2
S 3	22 47 20	10°18'02"	10 ^m 26	27°24'	23° 6'	24°59'	15°32'	26° 9'	9°16'	0°33'	28°58'	23°D 3	21°34'	27°29'	29°59'	S 3
S 4	22 51 17	11°16'03"	24°31'	29°15'	22°44'	25°26'	15°44'	26°16'	9°15'	0°35'	28°59'	23° 3'	21°31'	27°36'	0 ^m 8	S 4
M 5	22 55 13	12°14'04"	8 ^s 27	1 ^m 8	22°23'	25°51'	15°56'	26°24'	9°15'	0°37'	29° 0'	23° 5'	21°28'	27°42'	0°16'	M 5
T 6	22 59 10	13°12'07"	22°13'	3° 3'	22° 5'	26°17'	16° 8'	26°31'	9°14'	0°38'	29° 1'	23°R 5	21°25'	27°49'	0°24'	T 6
W 7	23 3 7	14°10'11"	5 ^m 51	4°58'	21°49'	26°42'	16°20'	26°39'	9°14'	0°40'	29° 2'	23° 4'	21°22'	27°56'	0°31'	W 7
T 8	23 7 3	15° 8'17"	19°17'	6°54'	21°35'	27° 6'	16°31'	26°46'	9°13'	0°42'	29° 3'	23° 2'	21°19'	28° 2'	0°39'	T 8
F 9	23 11 0	16° 6'24"	2 ^h 33	8°51'	21°24'	27°30'	16°43'	26°53'	9°12'	0°43'	29° 4'	22°56'	21°15'	28° 9'	0°47'	F 9
S 10	23 14 56	17° 4'33"	15°36'	10°47'	21°15'	27°54'	16°55'	27° 1'	9°12'	0°45'	29° 5'	22°49'	21°12'	28°16'	0°55'	S 10
S 11	23 18 53	18° 2'43"	28°25'	12°44'	21° 9'	28°17'	17° 7'	27° 8'	9°12'	0°47'	29° 6'	22°40'	21° 9'	28°22'	1° 3'	S 11
M12	23 22 49	19° 0'55"	11 ^m 1	14°40'	21° 5'	28°39'	17°20'	27°16'	9°11'	0°48'	29° 7'	22°30'	21° 6'	28°29'	1°11'	M12
T 13	23 26 46	19°59'10"	23°23'	16°35'	21°D 3	29° 1'	17°32'	27°23'	9°11'	0°50'	29° 8'	22°19'	21° 3'	28°36'	1°18'	T 13
W14	23 30 42	20°57'26"	5 ^s 33	18°30'	21° 4'	29°22'	17°44'	27°30'	9°11'	0°52'	29° 9'	22°10'	21° 0'	28°43'	1°26'	W14
T 15	23 34 39	21°55'44"	17°32'	20°25'	21° 7'	29°43'	17°56'	27°37'	9°11'	0°53'	29°11'	22° 3'	20°56'	28°49'	1°34'	T 15
F 16	23 38 35	22°54'04"	29°25'	22°18'	21°12'	0 ^h 11 4	18° 8'	27°45'	9°10'	0°55'	29°12'	21°58'	20°53'	28°56'	1°42'	F 16
S 17	23 42 32	23°52'26"	11 ^m 15	24°11'	21°20'	0°23'	18°21'	27°52'	9°10'	0°56'	29°13'	21°55'	20°50'	29° 3'	1°49'	S 17
S 18	23 46 29	24°50'50"	23° 7'	26° 2'	21°30'	0°43'	18°33'	27°59'	9°D10	0°58'	29°14'	21°D54	20°47'	29° 9'	1°57'	S 18
M19	23 50 25	25°49'16"	5 ^s 06	27°53'	21°42'	1° 1'	18°45'	28° 6'	9°10'	0°59'	29°16'	21°54'	20°44'	29°16'	2° 4'	M19
T 20	23 54 22	26°47'45"	17°18'	29°43'	21°56'	1°19'	18°58'	28°13'	9°10'	1° 0'	29°17'	21°R55	20°40'	29°23'	2°12'	T 20
W21	23 58 18	27°46'16"	29°48'	1 ^h 31	22°12'	1°36'	19°10'	28°20'	9°10'	1° 2'	29°18'	21°54'	20°37'	29°29'	2°20'	W21
T 22	0 2 15	28°44'48"	12 ^s 039	3°19'	22°30'	1°53'	19°23'	28°27'	9°11'	1° 3'	29°20'	21°53'	20°34'	29°36'	2°27'	T 22
F 23	0 6 11	29°43'23"	25°55'	5° 5'	22°50'	2° 9'	19°35'	28°34'	9°11'	1° 5'	29°21'	21°48'	20°31'	29°43'	2°35'	F 23
S 24	0 10 8	0 ^h 42'00"	9 ^m 37	6°51'	23°12'	2°25'	19°48'	28°41'	9°11'	1° 6'	29°23'	21°42'	20°28'	29°49'	2°42'	S 24
S 25	0 14 4	1°40'39"	23°44'	8°35'	23°35'	2°39'	20° 1'	28°48'	9°11'	1° 7'	29°24'	21°32'	20°25'	29°56'	2°50'	S 25
M26	0 18 1	2°39'20"	8 ^h 10	10°19'	24° 1'	2°53'	20°13'	28°55'	9°12'	1° 9'	29°26'	21°22'	20°21'	0 ^h 3	2°57'	M26
T 27	0 21 58	3°38'02"	22°51'	12° 1'	24°28'	3° 6'	20°26'	29° 2'	9°12'	1°10'	29°27'	21°11'	20°18'	0°10'	3° 4'	T 27
W28	0 25 54	4°36'47"	7 ^m 36	13°43'	24°56'	3°19'	20°39'	29° 8'	9°13'	1°11'	29°29'	21° 1'	20°15'	0°16'	3°12'	W28
T 29	0 29 51	5°35'34"	22°20'	15°23'	25°26'	3°31'	20°51'	29°15'	9°13'	1°12'	29°30'	20°53'	20°12'	0°23'	3°19'	T 29
F 30	0 33 47	6 ^h 34'22"	6 ^m 54	17 ^h 3	25 ^s 058	3 ^h 11 42	21 ^h 4	29 ^s 022	9 ^s 014	1 ^s 013	29 ^m 32	20 ^s 48	20 ^s 9	0 ^h 30	3 ^m 26	F 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
T 1	8n25	10s45	4n52	14n38	1n 8	5n44	8s14	16n32	2s19	4s56	1n 7	13n53	1n 5	23s26	0s21	19n35	0s27	6s31	13n42	21n26	21n40	15n26	6n22	5s32	
F 2	8 4	15 5	4 19	14 10	1 16	5 56	8 10	16 39	2 18	5 0	1 7	13 51	1 5	23 26	0 21	19 35	0 27	6 31	13 41	21 26	21 40	15 28	6 19	5 32	
S 3	7 42	18 32	3 29	13 39	1 23	6 8	8 6	16 46	2 17	5 5	1 7	13 48	1 5	23 26	0 21	19 34	0 27	6 32	13 41	21 26	21 41	15 30	6 16	5 32	
S 4	7 20	20 50	2 28	13 7	1 29	6 20	8 1	16 53	2 17	5 10	1 7	13 46	1 5	23 26	0 21	19 34	0 27	6 33	13 40	21 26	21 41	15 32	6 14	5 32	
M 5	6 58	21 50	1 18	12 32	1 34	6 31	7 56	17 0	2 16	5 14	1 7	13 43	1 5	23 27	0 21	19 33	0 27	6 33	13 40	21 26	21 42	15 34	6 11	5 32	
T 6	6 36	21 30	0 5	11 54	1 39	6 43	7 49	17 6	2 15	5 19	1 6	13 41	1 5	23 27	0 21	19 33	0 27	6 34	13 39	21 26	21 42	15 36	6 8	5 32	
W 7	6 13	19 53	1s 8	11 16	1 42	6 54	7 43	17 13	2 14	5 23	1 6	13 39	1 5	23 27	0 21	19 33	0 27	6 35	13 39	21 26	21 43	15 38	6 5	5 32	
T 8	5 51	17 10	2 16	10 35	1 45	7 5	7 36	17 19	2 14	5 28	1 6	13 36	1 6	23 27	0 21	19 32	0 27	6 35	13 38	21 27	21 43	15 40	6 3	5 32	
F 9	5 28	13 35	3 15	9 53	1 46	7 16	7 28	17 25	2 13	5 33	1 6	13 34	1 6	23 27	0 21	19 32	0 27	6 36	13 38	21 28	21 44	15 42	6 0	5 32	
S 10	5 6	9 25	4 3	9 10	1 47	7 26	7 20	17 31	2 12	5 37	1 6	13 31	1 6	23 27	0 21	19 32	0 27	6 37	13 37	21 29	21 44	15 44	5 57	5 32	
S 11	4 43	4 53	4 38	8 26	1 47	7 36	7 12	17 37	2 11	5 42	1 6	13 29	1 6	23 27	0 21	19 31	0 27	6 38	13 37	21 30	21 45	15 46	5 55	5 32	
M12	4 20	0 14	4 59	7 40	1 47	7 46	7 3	17 43	2 10	5 47	1 6	13 26	1 6	23 27	0 21	19 31	0 27	6 38	13 36	21 32	21 45	15 48	5 52	5 32	
T 13	3 58	4n21	5 4	6 54	1 46	7 55	6 54	17 49	2 9	5 51	1 6	13 24	1 6	23 27	0 21	19 31	0 27	6 39	13 36	21 34	21 46	15 50	5 49	5 32	
W14	3 35	8 41	4 56	6 8	1 44	8 3	6 45	17 54	2 8	5 56	1 6	13 22	1 6	23 27	0 21	19 30	0 27	6 40	13 35	21 35	21 46	15 52	5 46	5 32	
T 15	3 12	12 38	4 35	5 21	1 41	8 11	6 36	18 0	2 7	6 1	1 6	13 19	1 6	23 27	0 21	19 30	0 27	6 40	13 35	21 36	21 47	15 54	5 44	5 32	
F 16	2 49	16 3	4 2	4 33	1 38	8 18	6 26	18 5	2 6	6 6	1 6	13 17	1 6	23 27	0 21	19 30	0 27	6 41	13 34	21 37	21 47	15 56	5 41	5 32	
S 17	2 26	18 48	3 19	3 46	1 35	8 25	6 16	18 10	2 5	6 10	1 5	13 14	1 7	23 27	0 21	19 29	0 27	6 42	13 34	21 38	21 48	15 58	5 38	5 32	
S 18	2 3	20 47	2 27	2 58	1 31	8 32	6 6	18 15	2 4	6 15	1 5	13 12	1 7	23 27	0 21	19 29	0 27	6 43	13 33	21 38	21 48	16 0	5 35	5 32	
M19	1 40	21 50	1 28	2 10	1 27	8 37	5 57	18 20	2 3	6 20	1 5	13 10	1 7	23 27	0 21	19 29	0 27	6 43	13 33	21 38	21 49	16 2	5 33	5 32	
T 20	1 16	21 53	0 25	1 23	1 22	8 42	5 47	18 25	2 2	6 25	1 5	13 7	1 7	23 27	0 21	19 28	0 27	6 44	13 32	21 38	21 49	16 4	5 30	5 32	
W21	0 53	20 51	0n42	0 35	1 18	8 47	5 36	18 29	2 0	6 30	1 5	13 5	1 7	23 27	0 21	19 28	0 27	6 45	13 32	21 38	21 50	16 6	5 27	5 33	
T 22	0 30	18 43	1 48	0s13	1 12	8 51	5 26	18 34	1 59	6 34	1 5	13 3	1 7	23 27	0 21	19 28	0 27	6 45	13 31	21 38	21 50	16 8	5 24	5 33	
F 23	0 7	15 32	2 50	1 0	1 7	8 54	5 16	18 38	1 58	6 39	1 5	13 0	1 7	23 27	0 21	19 27	0 27	6 46	13 31	21 39	21 51	16 10	5 22	5 33	
S 24	0s17	11 25	3 45	1 47	1 1	8 57	5 6	18 43	1 57	6 44	1 5	12 58	1 7	23 27	0 21	19 27	0 27	6 47	13 30	21 40	21 51	16 12	5 19	5 33	
S 25	0 40	6 35	4 27	2 33	0 55	8 58	4 56	18 47	1 55	6 49	1 5	12 56	1 8	23 27	0 21	19 27	0 27	6 48	13 30	21 41	21 52	16 13	5 16	5 33	
M26	1 3	1 16	4 54	3 20	0 49	9 0	4 46	18 51	1 54	6 54	1 5	12 54	1 8	23 27	0 21	19 27	0 27	6 48	13 29	21 43	21 52	16 15	5 13	5 33	
T 27	1 27	4s12	5 1	4 6	0 43	9 1	4 36	18 55	1 52	6 58	1 5	12 51	1 8	23 26	0 21	19 26	0 27	6 49	13 29	21 44	21 52	16 17	5 11	5 33	
W28	1 50	9 28	4 49	4 51	0 36	9 1	4 26	18 59	1 51	7 3	1 5	12 49	1 8	23 26	0 21	19 26	0 27	6 50	13 29	21 46	21 53	16 19	5 8	5 33	
T 29	2 13	14 10	4 18	5 36	0 39	9 0	4 16	19 2	1 49	7 8	1 5	12 47	1 8	23 26	0 21	19 26	0 27	6 51	13 28	21 47	21 53	16 21	5 5	5 34	
F 30	2s36	17s59	3n30	6s20	0n23	8n59	4s 6	19n 6	1s48	7s13	1n 5	12n45	1n 8	23s26	0s21	19n25	0s27	6s51	13n28	21n48	21n54	16n23	5n 2	5s34	

ASTRODIENST EPHEMERIS for the year 2242
geocentric

OCTOBER 2242

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 37 44	7♂33'12	21♂15	18♂42	26♂31	3♂52	21♂17	29♂29	9♂14	1♂14	29♂34	20°R45	20♂ 5	0♂36	3♂33	S 1
S 2	0 41 40	8°32'04	5♂20	20°19	27° 5	4° 2	21°30	29°35	9°15	1°16	29°35	20°D44	20° 2	0°43	3°41	S 2
M 3	0 45 37	9°30'57	19° 8	21°56	27°40	4°11	21°43	29°42	9°16	1°17	29°37	20°R44	19°59	0°50	3°48	M 3
T 4	0 49 33	10°29'52	2♂40	23°32	28°17	4°19	21°56	29°48	9°16	1°18	29°39	20♂44	19°56	0°56	3°55	T 4
W 5	0 53 30	11°28'49	15°59	25° 7	28°56	4°26	22° 8	29°55	9°17	1°19	29°40	20°42	19°53	1° 3	4° 2	W 5
T 6	0 57 27	12°27'47	29° 4	26°41	29°35	4°32	22°21	0♂ 1	9°18	1°20	29°42	20°37	19°50	1°10	4° 9	T 6
F 7	1 1 23	13°26'47	11♂58	28°15	0♂15	4°38	22°34	0° 7	9°19	1°21	29°44	20°30	19°46	1°16	4°16	F 7
S 8	1 5 20	14°25'50	24°42	29°47	0°57	4°43	22°47	0°13	9°20	1°22	29°46	20°20	19°43	1°23	4°23	S 8
S 9	1 9 16	15°24'54	7♂14	1♂19	1°40	4°46	23° 0	0°20	9°21	1°22	29°48	20° 7	19°40	1°30	4°30	S 9
M10	1 13 13	16°23'59	19°37	2°50	2°24	4°50	23°13	0°26	9°22	1°23	29°50	19°53	19°37	1°37	4°36	M10
T 11	1 17 9	17°23'08	1♂49	4°20	3° 8	4°52	23°26	0°32	9°23	1°24	29°51	19°39	19°34	1°43	4°43	T 11
W12	1 21 6	18°22'18	13°52	5°49	3°54	4°53	23°39	0°38	9°24	1°25	29°53	19°26	19°31	1°50	4°50	W12
T 13	1 25 2	19°21'30	25°48	7°18	4°41	4°R54	23°52	0°44	9°26	1°26	29°55	19°15	19°27	1°57	4°56	T 13
F 14	1 28 59	20°20'45	7♂38	8°45	5°28	4°53	24° 5	0°50	9°27	1°26	29°57	19° 7	19°24	2° 3	5° 3	F 14
S 15	1 32 56	21°20'02	19°26	10°12	6°17	4°52	24°18	0°56	9°28	1°27	29°59	19° 2	19°21	2°10	5° 9	S 15
S 16	1 36 52	22°19'21	1♂16	11°38	7° 6	4°50	24°31	1° 1	9°30	1°28	0♂ 1	18°59	19°18	2°17	5°16	S 16
M17	1 40 49	23°18'42	13°13	13° 3	7°56	4°47	24°44	1° 7	9°31	1°28	0° 3	18°59	19°15	2°23	5°22	M17
T 18	1 44 45	24°18'06	25°22	14°27	8°47	4°43	24°57	1°13	9°33	1°29	0° 5	18°59	19°11	2°30	5°29	T 18
W19	1 48 42	25°17'32	7♂48	15°50	9°38	4°38	25°10	1°18	9°34	1°30	0° 7	18°58	19° 8	2°37	5°35	W19
T 20	1 52 38	26°17'00	20°37	17°13	10°30	4°32	25°23	1°24	9°36	1°30	0° 9	18°56	19° 5	2°43	5°41	T 20
F 21	1 56 35	27°16'30	3♂52	18°34	11°23	4°25	25°36	1°29	9°37	1°31	0°11	18°52	19° 2	2°50	5°47	F 21
S 22	2 0 31	28°16'03	17°37	19°54	12°17	4°17	25°49	1°35	9°39	1°31	0°13	18°45	18°59	2°57	5°53	S 22
S 23	2 4 28	29°15'38	1♂51	21°13	13°11	4° 9	26° 2	1°40	9°41	1°31	0°16	18°36	18°56	3° 3	5°59	S 23
M24	2 8 25	0♂15'15	16°31	22°31	14° 6	4° 0	26°15	1°45	9°42	1°32	0°18	18°25	18°52	3°10	6° 5	M24
T 25	2 12 21	1°14'54	1♂29	23°48	15° 2	3°49	26°28	1°50	9°44	1°32	0°20	18°14	18°49	3°17	6°11	T 25
W26	2 16 18	2°14'36	16°36	25° 3	15°58	3°38	26°41	1°55	9°46	1°33	0°22	18° 3	18°46	3°23	6°17	W26
T 27	2 20 14	3°14'19	1♂43	26°17	16°55	3°26	26°54	2° 0	9°48	1°33	0°24	17°55	18°43	3°30	6°23	T 27
F 28	2 24 11	4°14'04	16°38	27°29	17°52	3°13	27° 7	2° 5	9°50	1°33	0°26	17°49	18°40	3°37	6°29	F 28
S 29	2 28 7	5°13'51	1♂16	28°40	18°49	3° 0	27°20	2°10	9°52	1°33	0°29	17°46	18°37	3°44	6°34	S 29
S 30	2 32 4	6°13'39	15°32	29°48	19°48	2°46	27°33	2°15	9°54	1°33	0°31	17°D45	18°33	3°50	6°40	S 30
M31	2 36 0	7♂13'29	29♂25	0♂54	20♂46	2♂30	27♂46	2♂19	9♂56	1♂34	0♂33	17♂45	18♂30	3♂57	6♂45	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	3s 0	20s38	2n29	7s 4	0n16	8n57	3s56	19n10	1s46	7s18	1n 5	12n43	1n 8	23s26	0s21	19n25	0s27	6s52	13n27	21n48	21n54	16n25	5n 0	5s34			
S 2	3 23	21 57	1 21	7 48	0 9	8 55	3 47	19 13	1 44	7 22	1 4	12 40	1 9	23 26	0 21	19 25	0 27	6 53	13 27	21 49	21 55	16 27	4 57	5 34			
M 3	3 46	21 54	0 9	8 31	0 2	8 52	3 37	19 16	1 43	7 27	1 4	12 38	1 9	23 26	0 21	19 25	0 27	6 54	13 26	21 49	21 55	16 29	4 54	5 34			
T 4	4 9	20 33	1s 3	9 13	0s 5	8 48	3 27	19 20	1 41	7 32	1 4	12 36	1 9	23 26	0 21	19 25	0 27	6 54	13 26	21 49	21 56	16 31	4 52	5 34			
W 5	4 32	18 5	2 9	9 54	0 13	8 44	3 18	19 23	1 39	7 37	1 4	12 34	1 9	23 26	0 21	19 24	0 27	6 55	13 26	21 49	21 56	16 33	4 49	5 35			
T 6	4 55	14 43	3 8	10 35	0 20	8 39	3 9	19 26	1 37	7 42	1 4	12 32	1 9	23 26	0 21	19 24	0 27	6 56	13 25	21 50	21 57	16 35	4 46	5 35			
F 7	5 18	10 41	3 56	11 15	0 27	8 34	2 59	19 29	1 35	7 47	1 4	12 30	1 9	23 26	0 21	19 24	0 27	6 57	13 25	21 51	21 57	16 37	4 43	5 35			
S 8	5 41	6 15	4 31	11 55	0 34	8 28	2 50	19 31	1 33	7 51	1 4	12 28	1 10	23 26	0 21	19 24	0 27	6 57	13 24	21 52	21 58	16 38	4 41	5 35			
S 9	6 4	1 36	4 52	12 34	0 41	8 21	2 41	19 34	1 31	7 56	1 4	12 26	1 10	23 26	0 21	19 23	0 27	6 58	13 24	21 54	21 58	16 40	4 38	5 36			
M10	6 26	3n 2	5 0	13 12	0 49	8 14	2 32	19 37	1 29	8 1	1 4	12 24	1 10	23 26	0 21	19 23	0 27	6 59	13 24	21 56	21 59	16 42	4 36	5 36			
T 11	6 49	7 30	4 53	13 49	0 56	8 6	2 24	19 39	1 27	8 6	1 4	12 22	1 10	23 26	0 21	19 23	0 27	6 59	13 23	21 58	21 59	16 44	4 33	5 36			
W12	7 12	11 38	4 33	14 26	1 3	7 58	2 15	19 41	1 25	8 11	1 4	12 20	1 10	23 25	0 21	19 23	0 27	7 0	13 23	22 0	21 59	16 46	4 30	5 36			
T 13	7 34	15 16	4 2	15 2	1 10	7 49	2 6	19 44	1 23	8 15	1 4	12 18	1 10	23 25	0 21	19 23	0 27	7 1	13 23	22 2	22 0	16 48	4 28	5 37			
F 14	7 56	18 16	3 20	15 37	1 17	7 40	1 58	19 46	1 20	8 20	1 4	12 16	1 11	23 25	0 21	19 23	0 27	7 2	13 22	22 3	22 0	16 50	4 25	5 37			
S 15	8 19	20 30	2 29	16 11	1 23	7 30	1 50	19 48	1 18	8 25	1 4	12 14	1 11	23 25	0 21	19 22	0 27	7 2	13 22	22 3	22 1	16 52	4 22	5 37			
S 16	8 41	21 52	1 32	16 44	1 30	7 19	1 42	19 50	1 16	8 30	1 4	12 12	1 11	23 25	0 21	19 22	0 27	7 3	13 22	22 4	22 1	16 54	4 20	5 37			
M17	9 3	22 15	0 30	17 16	1 37	7 8	1 34	19 52	1 13	8 35	1 4	12 10	1 11	23 25	0 21	19 22	0 27	7 4	13 21	22 4	22 2	16 55	4 17	5 38			
T 18	9 25	21 35	0n34	17 48	1 43	6 57	1 26	19 53	1 11	8 39	1 4	12 8	1 11	23 25	0 21	19 22	0 27	7 5	13 21	22 4	22 2	16 57	4 15	5 38			
W19	9 46	19 52	1 38	18 18	1 50	6 45	1 18	19 55	1 8	8 44	1 4	12 6	1 11	23 25	0 21	19 22	0 27	7 5	13 21	22 4	22 3	16 59	4 12	5 38			
T 20	10 8	17 7	2 39	18 48	1 56	6 32	1 10	19 57	1 6	8 49	1 4	12 5	1 12	23 25	0 21	19 22	0 27	7 6	13 20	22 4	22 3	17 1	4 10	5 39			
F 21	10 29	13 24	3 34	19 17	2 2	6 19	1 3	19 58	1 3	8 54	1 4	12 3	1 12	23 24	0 21	19 22	0 27	7 7	13 20	22 5	22 3	17 3	4 7	5 39			
S 22	10 51	8 51	4 18	19 44	2 8	6 5	0 55	19 59	1 0	8 58	1 4	12 1	1 12	23 24	0 21	19 22	0 27	7 7	13 20	22 6	22 4	17 5	4 5	5 39			
S 23	11 12	3 41	4 48	20 11	2 13	5 51	0 48	20 0	0 57	9 3	1 4	11 59	1 12	23 24	0 21	19 21	0 27	7 8	13 19	22 7	22 4	17 7	4 2	5 39			
M24	11 33	1s51	5 1	20 37	2 19	5 37	0 41	20 1	0 55	9 8	1 4	11 58	1 12	23 24	0 21	19 21	0 27	7 9	13 19	22 9	22 5	17 8	4 0	5 40			
T 25	11 54	7 23	4 53	21 1	2 24	5 22	0 34	20 2	0 52	9 12	1 4	11 56	1 12	23 24	0 21	19 21	0 27	7 9	13 19	22 10	22 5	17 10	3 57	5 40			
W26	12 14	12 33	4 25	21 24	2 29	5 7	0 27	20 3	0 49	9 17	1 4	11 54	1 13	23 24	0 21	19 21	0 27	7 10	13 18	22 11	22 6	17 12	3 55	5 40			
T 27	12 35	16 55	3 38	21 46	2 33	4 51	0 21	20 4	0 46	9 22	1 4	11 53	1 13	23 24	0 21	19 21	0 27	7 11	13 18	22 13	22 6	17 14	3 52	5 41			
F 28	12 55	20 8	2 37	22 7	2 37	4 34	0 14	20 4	0 43	9 26	1 4	11 51	1 13	23 23	0 21	19 21	0 27	7 11	13 18	22 13	22 7	17 16	3 50	5 41			
S 29	13 15	21 58	1 26	22 27	2 41	4 18	0 8	20 5	0 40	9 31	1 4	11 50	1 13	23 23	0 21	19 21	0 27	7 12	13 18	22 14	22 7	17 18	3 48	5 42			
S 30	13 35	22 19	0 12	22 46	2 45	4 1	0 1	20 5	0 37	9 36	1 4	11 48	1 13	23 23	0 21	19 21	0 27	7 13	13 17	22 14	22 7	17 20	3 45	5 42			
M31	13s54	21s15	1s 2	23s 3	2s48	3n43	0n 5	20n 5	0s34	9s40	1n 4	11n47	1n14	23s23	0s21	19n21	0s27	7s14	13n17	22n14	22n 8	17n21	3n43	5s42			

ASTRODIENST EPHEMERIS for the year 2242
geocentric

NOVEMBER 2242

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 39 57	8♐13'21	12♋56	1♊58	21♏46	2°R15	27♏59	2♏24	9♌58	1♌34	0♊35	17°R45	18♌27	4♐4	6♏50	T 1
W 2	2 43 54	9°13'14	26° 7	3° 0	22°45	1♐58	28°12	2°28	10° 0	1°34	0°38	17♌44	18°24	4°10	6°56	W 2
T 3	2 47 50	10°13'09	9♊0	3°58	23°45	1°41	28°25	2°33	10° 2	1°34	0°40	17°40	18°21	4°17	7° 1	T 3
F 4	2 51 47	11°13'06	21°40	4°54	24°46	1°23	28°38	2°37	10° 5	1°R34	0°42	17°34	18°17	4°24	7° 6	F 4
S 5	2 55 43	12°13'04	4♏7	5°45	25°47	1° 5	28°50	2°41	10° 7	1°34	0°44	17°25	18°14	4°30	7°11	S 5
S 6	2 59 40	13°13'04	16°25	6°33	26°48	0°46	29° 3	2°45	10° 9	1°34	0°47	17°14	18°11	4°37	7°16	S 6
M 7	3 3 36	14°13'06	28°34	7°17	27°50	0°27	29°16	2°49	10°11	1°34	0°49	17° 2	18° 8	4°44	7°21	M 7
T 8	3 7 33	15°13'09	10♌36	7°55	28°52	0° 7	29°29	2°53	10°14	1°34	0°51	16°50	18° 5	4°50	7°26	T 8
W 9	3 11 29	16°13'14	22°32	8°28	29°54	29♌47	29°42	2°57	10°16	1°34	0°54	16°39	18° 2	4°57	7°31	W 9
T 10	3 15 26	17°13'22	4♐24	8°55	0♏57	29°26	29°54	3° 1	10°19	1°33	0°56	16°29	17°58	5° 4	7°35	T 10
F 11	3 19 22	18°13'31	16°13	9°15	2° 0	29° 5	0♐7	3° 5	10°21	1°33	0°58	16°22	17°55	5°10	7°40	F 11
S 12	3 23 19	19°13'42	28° 1	9°27	3° 4	28°44	0°20	3° 8	10°24	1°33	1° 1	16°18	17°52	5°17	7°44	S 12
S 13	3 27 16	20°13'55	9♌52	9°R32	4° 8	28°23	0°33	3°12	10°26	1°33	1° 3	16°16	17°49	5°24	7°49	S 13
M14	3 31 12	21°14'10	21°49	9°28	5°12	28° 1	0°45	3°15	10°29	1°32	1° 5	16°D16	17°46	5°30	7°53	M14
T 15	3 35 9	22°14'26	3♏57	9°14	6°17	27°40	0°58	3°19	10°32	1°32	1° 8	16°17	17°43	5°37	7°57	T 15
W16	3 39 5	23°14'45	16°21	8°51	7°22	27°18	1°10	3°22	10°34	1°32	1°10	16°18	17°39	5°44	8° 1	W16
T 17	3 43 2	24°15'06	29° 5	8°17	8°27	26°56	1°23	3°25	10°37	1°31	1°13	16°R18	17°36	5°51	8° 5	T 17
F 18	3 46 58	25°15'29	12♏14	7°33	9°32	26°34	1°35	3°28	10°40	1°31	1°15	16°16	17°33	5°57	8° 9	F 18
S 19	3 50 55	26°15'53	25°51	6°40	10°38	26°12	1°48	3°31	10°43	1°30	1°17	16°13	17°30	6° 4	8°13	S 19
S 20	3 54 51	27°16'20	9♏59	5°38	11°44	25°51	2° 0	3°34	10°45	1°30	1°20	16° 7	17°27	6°11	8°17	S 20
M21	3 58 48	28°16'48	24°34	4°27	12°50	25°29	2°13	3°36	10°48	1°29	1°22	16° 0	17°23	6°17	8°20	M21
T 22	4 2 45	29°17'18	9♐33	3°11	13°57	25° 8	2°25	3°39	10°51	1°29	1°24	15°53	17°20	6°24	8°24	T 22
W23	4 6 41	0♊17'50	24°46	1°51	15° 3	24°47	2°37	3°41	10°54	1°28	1°27	15°45	17°17	6°31	8°27	W23
T 24	4 10 38	1°18'23	10♊4	0°30	16°10	24°26	2°49	3°44	10°57	1°27	1°29	15°40	17°14	6°37	8°30	T 24
F 25	4 14 34	2°18'58	25°15	29♐10	17°17	24° 6	3° 2	3°46	11° 0	1°27	1°32	15°36	17°11	6°44	8°34	F 25
S 26	4 18 31	3°19'34	10♌10	27°54	18°25	23°46	3°14	3°48	11° 3	1°26	1°34	15°D34	17° 8	6°51	8°37	S 26
S 27	4 22 27	4°20'12	24°42	26°45	19°32	23°27	3°26	3°50	11° 6	1°25	1°36	15°35	17° 4	6°57	8°40	S 27
M28	4 26 24	5°20'51	8♋48	25°44	20°40	23° 8	3°38	3°52	11° 9	1°24	1°39	15°36	17° 1	7° 4	8°43	M28
T 29	4 30 21	6°21'30	22°28	24°53	21°48	22°50	3°50	3°54	11°12	1°24	1°41	15°37	16°58	7°11	8°46	T 29
W30	4 34 17	7♊22'11	5♋42	24♐13	22♏56	22♌32	4♐2	3♏56	11♌15	1♌23	1♊44	15°R38	16♌55	7♐17	8♏48	W30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	14s14	18s59	2s10	23s18	2s50	3n26	0n11	20n 5	0s31	9s45	1n 4	11n45	1n14	23s23	0s21	19n21	0s27	7s14	13n17	22n14	22n 8	17n23	3n41	5s43	
W 2	14 33	15 46	3 9	23 33	2 52	3 8	0 17	20 5	0 28	9 49	1 4	11 44	1 14	23 23	0 21	19 21	0 27	7 15	13 17	22 14	22 9	17 25	3 38	5 43	
T 3	14 52	11 51	3 57	23 45	2 53	2 49	0 22	20 4	0 24	9 54	1 4	11 42	1 14	23 23	0 21	19 21	0 27	7 15	13 16	22 14	22 9	17 27	3 36	5 43	
F 4	15 10	7 29	4 33	23 56	2 54	2 30	0 28	20 4	0 21	9 59	1 4	11 41	1 14	23 22	0 21	19 21	0 27	7 16	13 16	22 15	22 10	17 29	3 34	5 44	
S 5	15 29	2 53	4 55	24 6	2 54	2 11	0 33	20 3	0 18	10 3	1 4	11 40	1 15	23 22	0 21	19 21	0 27	7 17	13 16	22 16	22 10	17 31	3 32	5 44	
S 6	15 47	1n47	5 3	24 14	2 54	1 52	0 39	20 3	0 15	10 8	1 4	11 38	1 15	23 22	0 21	19 21	0 27	7 17	13 16	22 18	22 10	17 32	3 29	5 45	
M 7	16 5	6 19	4 57	24 20	2 52	1 32	0 44	20 2	0 11	10 12	1 4	11 37	1 15	23 22	0 21	19 21	0 27	7 18	13 16	22 19	22 11	17 34	3 27	5 45	
T 8	16 23	10 35	4 38	24 24	2 50	1 12	0 49	20 1	0 8	10 17	1 4	11 36	1 15	23 22	0 21	19 21	0 27	7 19	13 15	22 21	22 11	17 36	3 25	5 45	
W 9	16 40	14 24	4 6	24 26	2 47	0 51	0 54	20 0	0 5	10 21	1 4	11 35	1 15	23 21	0 21	19 21	0 27	7 19	13 15	22 22	22 12	17 38	3 23	5 46	
T 10	16 57	17 39	3 24	24 26	2 42	0 31	0 58	19 59	0 1	10 25	1 4	11 34	1 16	23 21	0 21	19 21	0 27	7 20	13 15	22 23	22 12	17 40	3 21	5 46	
F 11	17 14	20 9	2 34	24 23	2 37	0 10	1 3	19 58	0n 2	10 30	1 4	11 32	1 16	23 21	0 21	19 21	0 27	7 21	13 15	22 24	22 13	17 41	3 19	5 47	
S 12	17 31	21 47	1 36	24 19	2 30	0s11	1 7	19 56	0 5	10 34	1 4	11 31	1 16	23 21	0 21	19 21	0 27	7 21	13 15	22 25	22 13	17 43	3 17	5 47	
S 13	17 47	22 28	0 34	24 11	2 22	0 33	1 12	19 55	0 9	10 39	1 4	11 30	1 16	23 21	0 21	19 21	0 27	7 22	13 15	22 25	22 13	17 45	3 15	5 48	
M14	18 3	22 8	0n30	24 1	2 12	0 54	1 16	19 53	0 12	10 43	1 4	11 29	1 16	23 20	0 21	19 21	0 27	7 22	13 14	22 25	22 14	17 47	3 13	5 48	
T 15	18 18	20 46	1 34	23 48	2 1	1 16	1 20	19 52	0 15	10 47	1 4	11 28	1 17	23 20	0 21	19 21	0 27	7 23	13 14	22 25	22 14	17 49	3 11	5 48	
W16	18 34	18 23	2 35	23 31	1 48	1 38	1 24	19 50	0 19	10 52	1 4	11 27	1 17	23 20	0 21	19 21	0 27	7 23	13 14	22 25	22 15	17 50	3 9	5 49	
T 17	18 49	15 3	3 30	23 12	1 34	2 0	1 28	19 48	0 22	10 56	1 4	11 26	1 17	23 20	0 21	19 21	0 27	7 24	13 14	22 25	22 15	17 52	3 7	5 49	
F 18	19 3	10 54	4 16	22 49	1 18	2 22	1 31	19 46	0 25	11 0	1 4	11 25	1 17	23 19	0 21	19 21	0 27	7 25	13 14	22 25	22 15	17 54	3 5	5 50	
S 19	19 17	6 4	4 49	22 23	1 0	2 45	1 35	19 44	0 28	11 4	1 4	11 25	1 18	23 19	0 21	19 22	0 27	7 25	13 14	22 25	22 16	17 56	3 3	5 50	
S 20	19 31	0 45	5 6	21 53	0 41	3 8	1 38	19 42	0 31	11 9	1 4	11 24	1 18	23 19	0 21	19 22	0 27	7 26	13 14	22 26	22 16	17 58	3 2	5 51	
M21	19 45	4s47	5 5	21 21	0 22	3 30	1 41	19 40	0 35	11 13	1 5	11 23	1 18	23 19	0 21	19 22	0 27	7 26	13 14	22 27	22 17	17 59	3 0	5 51	
T 22	19 58	10 11	4 42	20 47	0 1	3 53	1 44	19 38	0 38	11 17	1 5	11 22	1 18	23 19	0 21	19 22	0 27	7 27	13 14	22 28	22 17	18 1	2 58	5 52	
W23	20 11	15 3	4 0	20 11	0n19	4 16	1 47	19 36	0 41	11 21	1 5	11 22	1 18	23 18	0 21	19 22	0 27	7 27	13 13	22 29	22 17	18 3	2 56	5 52	
T 24	20 24	18 57	3 0	19 35	0 40	4 39	1 50	19 34	0 44	11 25	1 5	11 21	1 19	23 18	0 21	19 22	0 27	7 28	13 13	22 29	22 18	18 5	2 55	5 53	
F 25	20 36	21 31	1 48	18 59	0 59	5 2	1 53	19 32	0 47	11 29	1 5	11 20	1 19	23 18	0 21	19 22	0 27	7 28	13 13	22 30	22 18	18 6	2 53	5 53	
S 26	20 48	22 32	0 29	18 24	1 18	5 26	1 55	19 29	0 50	11 33	1 5	11 20	1 19	23 18	0 21	19 22	0 27	7 29	13 13	22 30	22 19	18 8	2 52	5 54	
S 27	20 59	21 58	0s49	17 52	1 34	5 49	1 58	19 27	0 52	11 37	1 5	11 19	1 19	23 17	0 21	19 23	0 27	7 29	13 13	22 30	22 19	18 10	2 50	5 54	
M28	21 10	20 1	2 3	17 24	1 49	6 12	2 0	19 25	0 55	11 42	1 5	11 19	1 20	23 17	0 21	19 23	0 27	7 30	13 13	22 30	22 19	18 12	2 48	5 55	
T 29	21 20	16 57	3 7	16 59	2 2	6 36	2 2	19 23	0 58	11 45	1 5	11 18	1 20	23 17	0 21	19 23	0 27	7 30	13 13	22 30	22 20	18 14	2 47	5 55	
W30	21s31	13s 7	3s59	16s39	2n13	6s59	2n 4	19n21	1n 1	11s49	1n 5	11n18	1n20	23s17	0s21	19n23	0s27	7s31	13n13	22n30	22n20	18n15	2n46	5s56	

ASTRODIENST EPHEMERIS for the year 2242
geocentric

DECEMBER 2242

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	4 38 14	8°22'53	18°35	23°R45	24°5	22°R15	4°14	3°58	11°18	1°R22	1°46	15°R37	16°52	7°11	8°51	T 1
F 2	4 42 10	9°23'36	1°9	23°M28	25°13	21°59	4°25	3°59	11°22	1°21	1°48	15°35	16°49	7°31	8°53	F 2
S 3	4 46 7	10°24'20	13°28	23°D23	26°22	21°43	4°37	4°1	11°25	1°20	1°51	15°31	16°45	7°37	8°56	S 3
S 4	4 50 3	11°25'04	25°36	23°28	27°31	21°28	4°49	4°2	11°28	1°19	1°53	15°26	16°42	7°44	8°58	S 4
M 5	4 54 0	12°25'50	7°36	23°44	28°40	21°14	5°0	4°3	11°31	1°18	1°56	15°20	16°39	7°51	9°0	M 5
T 6	4 57 56	13°26'37	19°30	24°8	29°50	21°0	5°12	4°4	11°35	1°17	1°58	15°14	16°36	7°57	9°2	T 6
W 7	5 1 53	14°27'25	1°11	24°41	0°59	20°47	5°24	4°5	11°38	1°16	2°0	15°8	16°33	8°4	9°4	W 7
T 8	5 5 50	15°28'15	13°11	25°21	2°9	20°35	5°35	4°6	11°41	1°15	2°3	15°3	16°29	8°11	9°6	T 8
F 9	5 9 46	16°29'05	25°1	26°8	3°18	20°24	5°46	4°7	11°44	1°14	2°5	15°0	16°26	8°17	9°8	F 9
S 10	5 13 43	17°29'57	6°54	27°0	4°28	20°13	5°58	4°8	11°48	1°13	2°7	14°58	16°23	8°24	9°9	S 10
S 11	5 17 39	18°30'49	18°51	27°58	5°38	20°3	6°9	4°8	11°51	1°12	2°10	14°D58	16°20	8°31	9°11	S 11
M 12	5 21 36	19°31'43	0°55	29°0	6°49	19°55	6°20	4°9	11°55	1°11	2°12	14°59	16°17	8°37	9°12	M 12
T 13	5 25 32	20°32'38	13°9	0°7	7°59	19°46	6°31	4°9	11°58	1°10	2°14	15°1	16°14	8°44	9°13	T 13
W 14	5 29 29	21°33'34	25°36	1°15	9°9	19°39	6°42	4°9	12°1	1°8	2°17	15°2	16°10	8°51	9°14	W 14
T 15	5 33 25	22°34'31	8°11	2°28	10°20	19°33	6°53	4°R 9	12°5	1°7	2°19	15°4	16°7	8°57	9°16	T 15
F 16	5 37 22	23°35'29	21°26	3°42	11°31	19°27	7°4	4°9	12°8	1°6	2°21	15°R 4	16°4	9°4	9°16	F 16
S 17	5 41 19	24°36'28	4°54	4°59	12°42	19°22	7°15	4°9	12°12	1°5	2°23	15°4	16°1	9°11	9°17	S 17
S 18	5 45 15	25°37'29	18°48	6°18	13°53	19°18	7°25	4°9	12°15	1°3	2°26	15°3	15°58	9°17	9°18	S 18
M 19	5 49 12	26°38'31	3°8	7°38	15°4	19°15	7°36	4°9	12°19	1°2	2°28	15°1	15°54	9°24	9°19	M 19
T 20	5 53 8	27°39'33	17°51	9°0	16°15	19°13	7°46	4°8	12°22	1°1	2°30	14°58	15°51	9°31	9°19	T 20
W 21	5 57 5	28°40'37	2°50	10°23	17°26	19°11	7°57	4°8	12°26	0°59	2°32	14°56	15°48	9°37	9°19	W 21
T 22	6 1 1	29°41'41	18°0	11°48	18°38	19°D 10	8°7	4°7	12°29	0°58	2°35	14°55	15°45	9°44	9°20	T 22
F 23	6 4 58	0°32'47	3°9	13°13	19°49	19°10	8°17	4°6	12°33	0°57	2°37	14°53	15°42	9°51	9°20	F 23
S 24	6 8 54	1°43'52	18°9	14°39	21°1	19°11	8°27	4°5	12°36	0°55	2°39	14°D 53	15°39	9°58	9°R 20	S 24
S 25	6 12 51	2°44'59	2°51	16°5	22°13	19°13	8°37	4°4	12°40	0°54	2°41	14°54	15°35	10°4	9°20	S 25
M 26	6 16 48	3°46'05	17°10	17°33	23°24	19°15	8°47	4°3	12°43	0°52	2°43	14°55	15°32	10°11	9°19	M 26
T 27	6 20 44	4°47'12	1°1	19°1	24°36	19°18	8°57	4°2	12°47	0°51	2°45	14°56	15°29	10°18	9°19	T 27
W 28	6 24 41	5°48'19	14°26	20°29	25°48	19°22	9°7	4°0	12°51	0°49	2°47	14°56	15°26	10°24	9°19	W 28
T 29	6 28 37	6°49'26	27°25	21°58	27°0	19°27	9°16	3°59	12°54	0°48	2°49	14°57	15°23	10°31	9°18	T 29
F 30	6 32 34	7°50'33	10°Y 2	23°28	28°12	19°32	9°26	3°57	12°58	0°46	2°52	14°R 57	15°20	10°38	9°17	F 30
S 31	6 36 30	8°51'40	22°Y 21	24°58	29°M 25	19°38	9°M 35	3°56	13°3	0°45	2°54	14°57	15°16	10°II 44	9°M 17	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
T 1	21s40	8s46	4s38	16s24	2n21	7s22	2n 6	19n20	1n 3	11s53	1n 5	11n17	1n20	23s16	0s21	19n23	0s27	7s31	13n13	22n30	22n21	18n17	2n44	5s56	
F 2	21 50	4 10	5 2	16 14	2 28	7 46	2 8	19 18	1 6	11 57	1 5	11 17	1 20	23 16	0 21	19 24	0 27	7 32	13 13	22 30	22 21	18 19	2 43	5 57	
S 3	21 59	0n32	5 11	16 8	2 33	8 9	2 10	19 16	1 8	12 1	1 5	11 17	1 21	23 16	0 21	19 24	0 27	7 32	13 13	22 30	22 21	18 20	2 41	5 57	
S 4	22 7	5 7	5 7	16 6	2 35	8 32	2 11	19 14	1 11	12 5	1 5	11 16	1 21	23 15	0 21	19 24	0 27	7 33	13 13	22 31	22 22	18 22	2 40	5 58	
M 5	22 15	9 28	4 48	16 9	2 37	8 55	2 13	19 13	1 13	12 9	1 5	11 16	1 21	23 15	0 21	19 24	0 27	7 33	13 13	22 32	22 22	18 24	2 39	5 58	
T 6	22 23	13 27	4 18	16 15	2 36	9 18	2 14	19 12	1 15	12 12	1 6	11 16	1 21	23 15	0 21	19 24	0 27	7 33	13 13	22 32	22 23	18 26	2 38	5 59	
W 7	22 30	16 52	3 36	16 24	2 35	9 41	2 15	19 10	1 18	12 16	1 6	11 16	1 22	23 15	0 21	19 25	0 27	7 34	13 13	22 33	22 23	18 27	2 36	5 59	
T 8	22 37	19 37	2 46	16 36	2 33	10 4	2 16	19 9	1 20	12 20	1 6	11 16	1 22	23 14	0 21	19 25	0 27	7 34	13 13	22 33	22 23	18 29	2 35	6 0	
F 9	22 43	21 31	1 47	16 51	2 29	10 27	2 17	19 8	1 22	12 24	1 6	11 16	1 22	23 14	0 21	19 25	0 27	7 35	13 13	22 34	22 24	18 31	2 34	6 0	
S 10	22 49	22 29	0 44	17 7	2 25	10 50	2 18	19 7	1 24	12 27	1 6	11 16	1 22	23 14	0 21	19 25	0 27	7 35	13 13	22 34	22 24	18 33	2 33	6 1	
S 11	22 55	22 26	0n21	17 24	2 20	11 12	2 18	19 7	1 26	12 31	1 6	11 16	1 23	23 13	0 21	19 26	0 27	7 35	13 13	22 34	22 25	18 34	2 32	6 1	
M12	23 0	21 20	1 27	17 43	2 14	11 35	2 19	19 6	1 28	12 34	1 6	11 16	1 23	23 13	0 21	19 26	0 27	7 36	13 13	22 34	22 25	18 36	2 31	6 2	
T 13	23 4	19 14	2 29	18 3	2 8	11 57	2 19	19 5	1 29	12 38	1 6	11 16	1 23	23 13	0 21	19 26	0 27	7 36	13 13	22 34	22 25	18 38	2 30	6 2	
W14	23 8	16 12	3 26	18 24	2 2	12 19	2 20	19 5	1 31	12 41	1 6	11 16	1 23	23 13	0 21	19 26	0 27	7 36	13 14	22 34	22 26	18 39	2 29	6 3	
T 15	23 12	12 21	4 13	18 45	1 55	12 41	2 20	19 5	1 33	12 45	1 6	11 16	1 23	23 12	0 21	19 27	0 27	7 37	13 14	22 33	22 26	18 41	2 28	6 3	
F 16	23 15	7 50	4 50	19 6	1 48	13 3	2 20	19 5	1 35	12 48	1 6	11 16	1 24	23 12	0 21	19 27	0 27	7 37	13 14	22 33	22 26	18 43	2 28	6 4	
S 17	23 18	2 49	5 11	19 27	1 41	13 24	2 20	19 5	1 36	12 52	1 7	11 17	1 24	23 12	0 21	19 27	0 27	7 37	13 14	22 33	22 27	18 45	2 27	6 4	
S 18	23 20	2s30	5 15	19 48	1 33	13 45	2 20	19 6	1 38	12 55	1 7	11 17	1 24	23 11	0 21	19 27	0 27	7 38	13 14	22 34	22 27	18 46	2 26	6 5	
M19	23 22	7 50	5 0	20 9	1 26	14 6	2 20	19 6	1 39	12 58	1 7	11 17	1 24	23 11	0 21	19 28	0 27	7 38	13 14	22 34	22 28	18 48	2 25	6 5	
T 20	23 23	12 52	4 26	20 29	1 18	14 27	2 19	19 7	1 40	13 2	1 7	11 18	1 25	23 11	0 21	19 28	0 27	7 38	13 14	22 34	22 28	18 50	2 25	6 6	
W21	23 24	17 14	3 32	20 49	1 10	14 47	2 19	19 8	1 42	13 5	1 7	11 18	1 25	23 10	0 21	19 28	0 27	7 39	13 14	22 34	22 28	18 51	2 24	6 6	
T 22	23 24	20 29	2 24	21 8	1 3	15 7	2 18	19 9	1 43	13 8	1 7	11 18	1 25	23 10	0 21	19 29	0 27	7 39	13 14	22 34	22 29	18 53	2 24	6 7	
F 23	23 24	22 18	1 5	21 27	0 55	15 27	2 18	19 10	1 44	13 11	1 7	11 19	1 25	23 10	0 21	19 29	0 27	7 39	13 14	22 35	22 29	18 55	2 23	6 7	
S 24	23 24	22 29	0s18	21 45	0 47	15 47	2 17	19 11	1 45	13 14	1 7	11 20	1 26	23 9	0 21	19 29	0 27	7 39	13 15	22 35	22 29	18 56	2 23	6 8	
S 25	23 23	21 5	1 38	22 2	0 39	16 6	2 16	19 13	1 47	13 18	1 7	11 20	1 26	23 9	0 21	19 30	0 27	7 40	13 15	22 35	22 30	18 58	2 22	6 8	
M26	23 21	18 22	2 50	22 18	0 32	16 25	2 15	19 14	1 48	13 21	1 8	11 21	1 26	23 9	0 21	19 30	0 27	7 40	13 15	22 34	22 30	19 0	2 22	6 9	
T 27	23 19	14 40	3 49	22 33	0 24	16 43	2 14	19 16	1 49	13 24	1 8	11 21	1 26	23 8	0 21	19 30	0 27	7 40	13 15	22 34	22 31	19 1	2 22	6 9	
W28	23 17	10 20	4 34	22 48	0 16	17 1	2 13	19 18	1 50	13 27	1 8	11 22	1 26	23 8	0 21	19 30	0 27	7 40	13 15	22 34	22 31	19 3	2 21	6 9	
T 29	23 14	5 40	5 3	23 1	0 9	17 19	2 12	19 20	1 50	13 29	1 8	11 23	1 27	23 8	0 21	19 31	0 27	7 40	13 15	22 34	22 31	19 5	2 21	6 10	
F 30	23 11	0 53	5 16	23 13	0 9	17 36	2 11	19 23	1 51	13 32	1 8	11 24	1 27	23 7	0 21	19 31	0 27	7 41	13 16	22 34	22 32	19 6	2 21	6 10	
S 31	23s 7	3n49	5s15	23s24	0s 6	17s53	2n 9	19n25	1n52	13s35	1n 8	11n24	1n27	23s 7	0s21	19n31	0s27	7s41	13n16	22n34	22n32	19n 8	2n21	6s11	