



Astrodienst Ephemeris Tables for the year 2124

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 2124

geocentric

JANUARY 2124

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	6 39 46	9°34'09	0°08' 8	20°49'49	20°28'27	8°36'36	28°25'35	15°R 5	3°R31	9°M13	25°R27	8°R19	6°27'48	28°27'40	15°V25	S 1
S 2	6 43 42	10°47'16	15°24	22°12	21°39	9°23	28°43	15°R 1	3°R29	9°15	25°R26	8°27'16	6°45	28°47	15°25	S 2
M 3	6 47 39	11°48'24	0°02'34	23°37	22°50	10°10	28°50	14°57	3°26	9°16	25°25	8°11	6°42	28°54	15°26	M 3
T 4	6 51 36	12°49'32	15°28	25° 2	24° 2	10°58	28°58	14°54	3°24	9°17	25°24	8° 6	6°39	29° 0	15°26	T 4
W 5	6 55 32	13°50'39	29°59	26°28	25°13	11°45	29° 5	14°50	3°22	9°19	25°24	8° 0	6°35	29° 7	15°26	W 5
T 6	6 59 29	14°51'47	14°11' 2	27°55	26°24	12°32	29°12	14°46	3°19	9°20	25°23	7°56	6°32	29°14	15°27	T 6
F 7	7 3 25	15°52'56	27°36	29°22	27°35	13°19	29°19	14°42	3°17	9°21	25°22	7°52	6°29	29°20	15°28	F 7
S 8	7 7 22	16°54'04	10°24'41	0°35'51	28°47	14° 7	29°26	14°38	3°14	9°22	25°22	7°51	6°26	29°27	15°28	S 8
S 9	7 11 18	17°55'13	23°22	2°19	29°58	14°54	29°32	14°34	3°12	9°23	25°21	7°D51	6°23	29°34	15°29	S 9
M10	7 15 15	18°56'22	5°M42	3°48	1°H 8	15°41	29°39	14°30	3° 9	9°24	25°20	7°52	6°20	29°40	15°30	M10
T 11	7 19 11	19°57'31	17°47	5°18	2°19	16°28	29°45	14°26	3° 7	9°25	25°20	7°54	6°16	29°47	15°30	T 11
W12	7 23 8	20°58'41	29°41	6°48	3°30	17°16	29°51	14°22	3° 4	9°26	25°19	7°55	6°13	29°54	15°31	W12
T 13	7 27 5	21°59'50	11°27'29	8°19	4°40	18° 3	29°57	14°17	3° 2	9°27	25°19	7°R55	6°10	0°3 0	15°32	T 13
F 14	7 31 1	23° 0'59	23°15	9°50	5°51	18°50	0°M 3	14°13	2°59	9°28	25°18	7°54	6° 7	0° 7	15°33	F 14
S 15	7 34 58	24° 2'08	5°3 3	11°21	7° 1	19°38	0° 9	14° 8	2°57	9°29	25°18	7°50	6° 4	0°14	15°34	S 15
S 16	7 38 54	25° 3'17	16°54	12°53	8°11	20°25	0°15	14° 4	2°54	9°30	25°17	7°44	6° 1	0°20	15°35	S 16
M17	7 42 51	26° 4'25	28°52	14°26	9°21	21°13	0°20	13°59	2°51	9°31	25°17	7°36	5°57	0°27	15°36	M17
T 18	7 46 47	27° 5'33	10°25'57	15°59	10°31	22° 0	0°25	13°55	2°49	9°31	25°16	7°26	5°54	0°33	15°38	T 18
W19	7 50 44	28° 6'40	23°10	17°33	11°41	22°47	0°30	13°50	2°46	9°32	25°16	7°16	5°51	0°40	15°39	W19
T 20	7 54 40	29° 7'47	5°H33	19° 7	12°51	23°35	0°35	13°46	2°44	9°33	25°15	7° 6	5°48	0°47	15°40	T 20
F 21	7 58 37	0°28' 8'53	18° 6	20°41	14° 0	24°22	0°40	13°41	2°41	9°34	25°15	6°58	5°45	0°53	15°41	F 21
S 22	8 2 34	1° 9'58	0°V52	22°16	15° 9	25° 9	0°45	13°36	2°38	9°34	25°14	6°51	5°41	1° 0	15°43	S 22
S 23	8 6 30	2°11'03	13°52	23°52	16°19	25°57	0°49	13°31	2°36	9°35	25°14	6°47	5°38	1° 7	15°44	S 23
M24	8 10 27	3°12'06	27° 9	25°28	17°28	26°44	0°53	13°27	2°33	9°36	25°14	6°45	5°35	1°13	15°46	M24
T 25	8 14 23	4°13'09	10°28'44	27° 5	18°36	27°32	0°57	13°22	2°31	9°36	25°13	6°D45	5°32	1°20	15°47	T 25
W26	8 18 20	5°14'11	24°40	28°42	19°45	28°19	1° 1	13°17	2°28	9°37	25°13	6°46	5°29	1°27	15°49	W26
T 27	8 22 16	6°15'11	8°II57	0°22'20	20°54	29° 6	1° 5	13°12	2°25	9°37	25°13	6°R46	5°26	1°33	15°50	T 27
F 28	8 26 13	7°16'11	23°33	1°59	22° 2	29°54	1° 9	13° 7	2°23	9°38	25°13	6°45	5°22	1°40	15°52	F 28
S 29	8 30 10	8°17'10	8°25	3°38	23°10	0°H41	1°12	13° 3	2°20	9°38	25°12	6°42	5°19	1°47	15°54	S 29
S 30	8 34 6	9°18'07	23°26	5°18	24°18	1°29	1°15	12°58	2°18	9°39	25°12	6°35	5°16	1°53	15°56	S 30
M31	8 38 3	10°19'04	8°28	6°58	25°H25	2°H16	1°M18	12°253	2°215	9°M39	25°12	6°27	5°13	2°3 0	15°V58	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 4	21n29	1s57	22s23	0n43	16s26	1s52	19s14	1s10	9s49	1n14	17n 3	0n47	19n56	0n36	12s55	1n43	5n 0	14s30	21s41	21s26	21s30	7n25	1n28				
S 2	22 59	19 24	3 9	22 37	0 35	16 1	1 50	19 1	1 10	9 51	1 14	17 5	0 48	19 57	0 36	12 56	1 43	5 0	14 30	21 40	21 25	21 29	7 25	1 28				
M 3	22 54	15 59	4 8	22 49	0 27	15 36	1 49	18 48	1 10	9 54	1 14	17 6	0 48	19 57	0 36	12 56	1 44	5 0	14 30	21 39	21 25	21 28	7 25	1 28				
T 4	22 48	11 36	4 48	23 1	0 19	15 11	1 47	18 35	1 10	9 56	1 15	17 7	0 48	19 58	0 36	12 56	1 44	5 0	14 29	21 39	21 24	21 27	7 25	1 28				
W 5	22 42	6 39	5 9	23 11	0 11	14 45	1 45	18 22	1 9	9 58	1 15	17 8	0 48	19 59	0 36	12 57	1 44	5 0	14 29	21 38	21 24	21 27	7 25	1 28				
T 6	22 36	1 30	5 10	23 21	0 4	14 19	1 43	18 8	1 9	10 1	1 15	17 10	0 48	19 59	0 36	12 57	1 44	5 0	14 29	21 37	21 23	21 26	7 26	1 28				
F 7	22 29	3s32	4 54	23 29	0s 4	13 53	1 41	17 55	1 9	10 3	1 15	17 11	0 48	20 0	0 36	12 57	1 44	5 1	14 29	21 36	21 23	21 25	7 26	1 27				
S 8	22 21	8 15	4 22	23 36	0 11	13 26	1 39	17 41	1 9	10 5	1 15	17 12	0 48	20 0	0 36	12 58	1 44	5 1	14 28	21 36	21 22	21 24	7 26	1 27				
S 9	22 13	12 27	3 39	23 43	0 18	12 59	1 36	17 27	1 8	10 7	1 16	17 13	0 49	20 1	0 36	12 58	1 44	5 1	14 28	21 36	21 21	21 23	7 26	1 27				
M10	22 5	16 2	2 46	23 48	0 25	12 32	1 34	17 12	1 8	10 9	1 16	17 15	0 49	20 2	0 36	12 58	1 44	5 1	14 28	21 36	21 21	21 23	7 26	1 27				
T 11	21 56	18 50	1 47	23 51	0 32	12 4	1 32	16 58	1 8	10 11	1 16	17 16	0 49	20 2	0 36	12 59	1 44	5 1	14 27	21 37	21 20	21 22	7 26	1 27				
W12	21 47	20 48	0 45	23 54	0 39	11 36	1 29	16 43	1 7	10 13	1 16	17 18	0 49	20 3	0 36	12 59	1 44	5 1	14 27	21 37	21 20	21 21	7 26	1 27				
T 13	21 38	21 49	0n19	23 55	0 46	11 8	1 26	16 28	1 7	10 15	1 16	17 19	0 49	20 3	0 36	12 59	1 44	5 1	14 27	21 37	21 19	21 20	7 27	1 27				
F 14	21 28	21 53	1 22	23 55	0 52	10 39	1 23	16 14	1 7	10 17	1 17	17 20	0 49	20 4	0 36	12 59	1 44	5 2	14 27	21 37	21 19	21 19	7 27	1 26				
S 15	21 17	20 58	2 22	23 54	0 58	10 10	1 20	15 58	1 7	10 19	1 17	17 22	0 49	20 5	0 36	13 0	1 44	5 2	14 26	21 36	21 18	21 19	7 27	1 26				
S 16	21 6	19 8	3 15	23 52	1 4	9 41	1 17	15 43	1 6	10 21	1 17	17 23	0 50	20 5	0 36	13 0	1 44	5 2	14 26	21 35	21 18	21 18	7 27	1 26				
M17	20 55	16 27	4 0	23 48	1 10	9 12	1 14	15 28	1 6	10 22	1 17	17 25	0 50	20 6	0 36	13 0	1 44	5 2	14 26	21 34	21 17	21 17	7 28	1 26				
T 18	20 43	13 4	4 35	23 43	1 15	8 43	1 11	15 12	1 6	10 24	1 17	17 26	0 50	20 6	0 36	13 0	1 44	5 2	14 25	21 32	21 17	21 16	7 28	1 26				
W19	20 31	9 6	4 57	23 36	1 21	8 13	1 8	14 56	1 5	10 26	1 18	17 28	0 50	20 7	0 36	13 0	1 44	5 2	14 25	21 30	21 16	21 15	7 28	1 26				
T 20	20 19	4 43	5 6	23 28	1 26	7 44	1 4	14 40	1 5	10 27	1 18	17 29	0 50	20 8	0 36	13 1	1 44	5 3	14 25	21 29	21 15	21 15	7 29	1 26				
F 21	20 6	0 5	5 1	23 19	1 30	7 14	1 1	14 24	1 5	10 29	1 18	17 30	0 50	20 8	0 36	13 1	1 45	5 3	14 25	21 27	21 15	21 14	7 29	1 25				
S 22	19 53	4n38	4 40	23 9	1 35	6 43	0 57	14 8	1 4	10 30	1 18	17 32	0 50	20 9	0 36	13 1	1 45	5 3	14 24	21 26	21 14	21 13	7 29	1 25				
S 23	19 40	9 14	4 5	22 57	1 39	6 13	0 54	13 52	1 4	10 31	1 19	17 33	0 50	20 9	0 36	13 1	1 45	5 3	14 24	21 26	21 14	21 12	7 30	1 25				
M24	19 26	13 30	3 16	22 43	1 43	5 43	0 50	13 35	1 3	10 33	1 19	17 35	0 51	20 10	0 36	13 1	1 45	5 3	14 24	21 25	21 13	21 11	7 30	1 25				
T 25	19 11	17 10	2 15	22 28	1 47	5 12	0 46	13 19	1 3	10 34	1 19	17 36	0 51	20 11	0 36	13 1	1 45	5 4	14 23	21 25	21 13	21 10	7 31	1 25				
W26	18 57	19 58	1 4	22 12	1 50	4 42	0 42	13 2	1 3	10 35	1 19	17 38	0 51	20 11	0 36	13 1	1 45	5 4	14 23	21 25	21 12	21 9	7 31	1 25				
T 27	18 42	21 35	0s12	21 54	1 53	4 11	0 38	12 45	1 2	10 36	1 19	17 39	0 51	20 12	0 36	13 2	1 45	5 4	14 23	21 25	21 12	21 9	7 32	1 25				
F 28	18 26	21 47	1 29	21 35	1 56	3 40	0 34	12 28	1 2	10 37	1 20	17 41	0 51	20 12	0 36	13 2	1 45	5 4	14 22	21 25	21 11	21 8	7 32	1 24				
S 29	18 11	20 29	2 41	21 15	1 58	3 10	0 29	12 11	1 2	10 38	1 20	17 42	0 51	20 13	0 36	13 2	1 45	5 5	14 22	21 25	21 10	21 7	7 33	1 24				
S 30	17 55	17 44	3 42	20 53	2 0	2 39	0 25	11 54	1 1	10 39	1 20	17 44	0 51	20 14	0 36	13 2	1 45	5 5	14 22	21 24	21 10	21 6	7 33	1 24				
M31	17s39	13n49	4s28	20s29	2s 2	2s 8	0s20	11s36	1s 1	10s40	1n20	17n45	0n51	20n14	0n36	13s 2	1n45	5n 5	14s22	21s22	21s 9	21s 5	7n34	1n24				

ASTRODIENST EPHEMERIS for the year 2124
geocentric

FEBRUARY 2124

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	8 41 59	11 ²² 19'59	23 ⁰² 20	8 ³⁹ 39	26 ³³ 33	3 ³¹ 3	1 ²¹ 21	12 ⁰⁴ R48	2 ⁰¹ R12	9 ³⁹ 39	25 ⁰¹ R12	6 ⁰¹ R16	5 ²⁷ 10	2 ⁰³ 7	15 ⁰⁵ 59	T 1
W 2	8 45 56	12 ⁰² 20'54	7 ¹⁰ 55	10 ⁰² 21	27 ⁰⁴ 40	3 ⁵¹	1 ²⁴	12 ⁰² 43	2 ⁰¹ 10	9 ⁴⁰	25 ⁰¹ 12	6 ⁰¹ 6	5 ⁰ 7	2 ⁰¹ 13	16 ⁰ 1	W 2
T 3	8 49 52	13 ⁰² 21'48	22 ⁰ 4	12 ⁰ 4	28 ⁰⁴ 7	4 ³⁸	1 ²⁶	12 ⁰³ 38	2 ⁰ 7	9 ⁴⁰	25 ⁰¹ 11	5 ⁰⁵ 6	5 ⁰ 3	2 ⁰² 20	16 ⁰ 3	T 3
F 4	8 53 49	14 ⁰² 22'41	5 ²⁴ 46	13 ⁰⁴ 47	29 ⁰⁵ 54	5 ²⁵	1 ²⁹	12 ⁰³ 33	2 ⁰ 5	9 ⁴⁰	25 ⁰¹ 11	5 ⁰⁴ 8	5 ⁰ 0	2 ⁰² 27	16 ⁰ 5	F 4
S 5	8 57 45	15 ⁰² 23'33	18 ⁰⁵ 58	15 ⁰³ 31	1 ⁰¹ 1	6 ¹³	1 ³¹	12 ⁰² 28	2 ⁰ 2	9 ⁴⁰	25 ⁰¹ 11	5 ⁰⁴ 2	4 ⁰⁵ 7	2 ⁰³ 33	16 ⁰ 7	S 5
S 6	9 1 42	16 ⁰² 24'24	1 ¹⁰ 44	17 ⁰¹ 15	2 ⁰ 7	7 ⁰ 0	1 ³³	12 ⁰² 23	2 ⁰ 0	9 ⁴⁰	25 ⁰¹ 11	5 ⁰³ 9	4 ⁰⁵ 4	2 ⁰⁴ 0	16 ⁰¹ 0	S 6
M 7	9 5 38	17 ⁰² 25'15	14 ⁰ 8	19 ⁰ 1	3 ¹³	7 ⁰⁴ 7	1 ³⁴	12 ⁰¹ 18	1 ⁰⁵ 7	9 ⁴¹	25 ⁰¹ 11	5 ^{0D} 38	4 ⁰⁵ 1	2 ⁰⁴ 7	16 ⁰¹ 2	M 7
T 8	9 9 35	18 ⁰² 26'04	26 ⁰¹ 4	20 ⁰⁴ 6	4 ⁰¹ 9	8 ⁰³ 5	1 ³⁶	12 ⁰¹ 14	1 ⁰⁵ 5	9 ⁴¹	25 ⁰¹ 11	5 ⁰³ 8	4 ⁰⁴ 7	2 ⁰⁵ 3	16 ⁰¹ 4	T 8
W 9	9 13 32	19 ⁰² 26'53	8 ²⁷ 8	22 ⁰³ 3	5 ⁰² 4	9 ⁰² 2	1 ³⁷	12 ⁰ 9	1 ⁰⁵ 2	9 ⁴¹	25 ^{0D} 11	5 ^{0R} 39	4 ⁰⁴ 4	3 ⁰ 0	16 ⁰¹ 6	W 9
T 10	9 17 28	20 ⁰² 27'41	19 ⁰⁵ 5	24 ⁰² 0	6 ⁰³ 0	10 ⁰ 9	1 ³⁹	12 ⁰ 4	1 ⁰⁵ 0	9 ^{0R} 41	25 ⁰¹ 11	5 ⁰³ 8	4 ⁰⁴ 1	3 ⁰ 7	16 ⁰¹ 9	T 10
F 11	9 21 25	21 ⁰² 28'28	1 ⁰³ 42	26 ⁰ 8	7 ⁰³ 5	10 ⁰⁵ 6	1 ⁴⁰	11 ⁰⁵ 9	1 ⁰⁴ 7	9 ⁴¹	25 ⁰¹ 11	5 ⁰³ 5	4 ⁰³ 8	3 ⁰¹ 3	16 ⁰² 1	F 11
S 12	9 25 21	22 ⁰² 29'14	13 ⁰³ 32	27 ⁰⁵ 6	8 ⁰³ 9	11 ⁰⁴ 4	1 ⁴⁰	11 ⁰⁵ 4	1 ⁰⁴ 5	9 ⁴¹	25 ⁰¹ 11	5 ⁰² 9	4 ⁰³ 5	3 ⁰² 0	16 ⁰² 3	S 12
S 13	9 29 18	23 ⁰² 29'59	25 ⁰² 8	29 ⁰⁴ 5	9 ⁰⁴ 4	12 ⁰³ 1	1 ⁴¹	11 ⁰⁴ 9	1 ⁰⁴ 3	9 ⁴¹	25 ⁰¹ 11	5 ⁰² 0	4 ⁰³ 2	3 ⁰² 7	16 ⁰² 6	S 13
M14	9 33 14	24 ⁰³ 30'42	7 ²³ 34	1 ⁰³ 34	10 ⁰⁴ 8	13 ⁰¹ 8	1 ⁴²	11 ⁰⁴ 5	1 ⁰⁴ 0	9 ⁴¹	25 ⁰¹ 11	5 ⁰ 9	4 ⁰² 8	3 ⁰³ 3	16 ⁰² 8	M14
T 15	9 37 11	25 ⁰³ 31'25	19 ⁰⁵ 0	3 ⁰² 4	11 ⁰⁵ 2	14 ⁰ 5	1 ⁴²	11 ⁰⁴ 0	1 ⁰³ 8	9 ⁴⁰	25 ⁰¹ 12	4 ⁰⁵ 6	4 ⁰² 5	3 ⁰⁴ 0	16 ⁰³ 1	T 15
W16	9 41 7	26 ⁰³ 32'05	2 ⁰³ 19	5 ⁰¹ 3	12 ⁰⁵ 6	14 ⁰⁵ 3	1 ^{0R} 42	11 ⁰³ 5	1 ⁰³ 5	9 ⁴⁰	25 ⁰¹ 12	4 ⁰⁴ 1	4 ⁰² 2	3 ⁰⁴ 7	16 ⁰³ 3	W16
T 17	9 45 4	27 ⁰³ 32'45	14 ⁰⁵ 9	7 ⁰ 3	13 ⁰⁵ 9	15 ⁰⁴ 0	1 ⁴²	11 ⁰³ 1	1 ⁰³ 3	9 ⁴⁰	25 ⁰¹ 12	4 ⁰² 7	4 ⁰¹ 9	3 ⁰⁵ 3	16 ⁰³ 6	T 17
F 18	9 49 1	28 ⁰³ 33'23	27 ⁰⁵ 1	8 ⁰⁵ 2	15 ⁰ 2	16 ⁰² 7	1 ⁴¹	11 ⁰² 6	1 ⁰³ 1	9 ⁴⁰	25 ⁰¹ 12	4 ⁰¹ 5	4 ⁰¹ 6	4 ⁰ 0	16 ⁰³ 8	F 18
S 19	9 52 57	29 ⁰³ 35'59	10 ⁰⁵ 54	10 ⁰⁴ 1	16 ⁰ 4	17 ⁰¹ 4	1 ⁴¹	11 ⁰² 2	1 ⁰² 9	9 ³⁹	25 ⁰¹ 12	4 ⁰ 5	4 ⁰¹ 2	4 ⁰ 7	16 ⁰⁴ 1	S 19
S 20	9 56 54	0 ⁰³ 34'34	24 ⁰ 8	12 ⁰³ 0	17 ⁰ 6	18 ⁰ 1	1 ⁴⁰	11 ⁰¹ 7	1 ⁰² 7	9 ³⁹	25 ⁰¹ 13	3 ⁰⁵ 9	4 ⁰ 9	4 ⁰¹ 3	16 ⁰⁴ 4	S 20
M21	10 0 50	1 ⁰³ 35'07	7 ⁰³ 33	14 ⁰¹ 17	18 ⁰ 8	18 ⁰⁴ 8	1 ³⁹	11 ⁰¹ 3	1 ⁰² 4	9 ³⁹	25 ⁰¹ 13	3 ⁰⁵ 5	4 ⁰ 6	4 ⁰² 0	16 ⁰⁴ 6	M21
T 22	10 4 47	2 ⁰³ 35'38	21 ⁰¹ 11	16 ⁰ 3	19 ⁰ 9	19 ⁰³ 5	1 ³⁸	11 ⁰ 8	1 ⁰² 2	9 ³⁸	25 ⁰¹ 13	3 ⁰⁵ 4	4 ⁰ 3	4 ⁰² 7	16 ⁰⁴ 9	T 22
W23	10 8 43	3 ⁰³ 36'07	5 ⁰¹ 1	17 ⁰⁴ 7	20 ⁰¹ 0	20 ⁰² 2	1 ³⁷	11 ⁰ 4	1 ⁰² 0	9 ³⁸	25 ⁰¹ 13	3 ⁰⁵ 3	4 ⁰ 0	4 ⁰³ 3	16 ⁰⁵ 2	W23
T 24	10 12 40	4 ⁰³ 36'35	19 ⁰ 4	19 ⁰² 9	21 ⁰¹ 1	21 ⁰ 9	1 ³⁶	10 ⁰⁵ 9	1 ⁰¹ 8	9 ³⁸	25 ⁰¹ 14	3 ⁰⁵ 3	3 ⁰⁵ 7	4 ⁰⁴ 0	16 ⁰⁵ 5	T 24
F 25	10 16 36	5 ⁰³ 37'00	3 ⁰³ 21	21 ⁰ 9	22 ⁰¹ 1	21 ⁰⁵ 6	1 ³⁴	10 ⁰⁵ 5	1 ⁰¹ 6	9 ³⁷	25 ⁰¹ 14	3 ⁰⁵ 1	3 ⁰⁵ 3	4 ⁰⁴ 7	16 ⁰⁵ 8	F 25
S 26	10 20 33	6 ⁰³ 37'24	17 ⁰⁴ 9	22 ⁰⁴ 5	23 ⁰¹ 1	22 ⁰⁴ 3	1 ³²	10 ⁰⁵ 1	1 ⁰¹ 4	9 ³⁷	25 ⁰¹ 14	3 ⁰⁴ 7	3 ⁰⁵ 0	4 ⁰⁵ 3	17 ⁰ 1	S 26
S 27	10 24 30	7 ⁰³ 37'46	2 ⁰² 25	24 ⁰¹ 8	24 ⁰¹ 0	23 ⁰³ 0	1 ³⁰	10 ⁰⁴ 7	1 ⁰¹ 2	9 ³⁶	25 ⁰¹ 15	3 ⁰⁴ 0	3 ⁰⁴ 7	5 ⁰ 0	17 ⁰ 3	S 27
M28	10 28 26	8 ⁰³ 38'05	17 ⁰ 2	25 ⁰⁴ 6	25 ⁰ 9	24 ⁰¹ 7	1 ²⁸	10 ⁰⁴ 3	1 ⁰¹ 0	9 ³⁶	25 ⁰¹ 15	3 ⁰³ 0	3 ⁰⁴ 4	5 ⁰ 7	17 ⁰ 6	M28
T 29	10 32 23	9 ⁰³ 38'23	1 ⁰³ 35	27 ⁰³ 10	26 ⁰⁵ 7	25 ⁰³ 4	1 ^{0R} 26	10 ⁰² 39	1 ⁰ 8	9 ³⁵	25 ⁰¹ 16	3 ⁰¹ 8	3 ⁰⁴ 1	5 ⁰³ 13	17 ⁰⁵ 9	T 29

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	17s22	9n 4	4s56	20s 4	2s 3	1s37	0s16	11s19	1 s 0	10s41	1n21	17n47	0n51	20n15	0n36	13s 2	1n45	5n 5	14s21	21s20	21s 9	21s 4	7n35	1n24			
W 2	17 5	3 54	5 3	19 38	2 4	1 6	0 11	11 1	1 0	10 41	1 21	17 48	0 52	20 15	0 36	13 2	1 45	5 6	14 21	21 19	21 8	21 3	7 35	1 24			
T 3	16 48	1s19	4 51	19 10	2 5	0 35	0 7	10 44	0 59	10 42	1 21	17 50	0 52	20 16	0 36	13 2	1 45	5 6	14 21	21 17	21 8	21 2	7 36	1 24			
F 4	16 30	6 19	4 23	18 41	2 5	0 4	0 2	10 26	0 59	10 43	1 21	17 51	0 52	20 17	0 36	13 2	1 45	5 6	14 20	21 15	21 7	21 1	7 36	1 23			
S 5	16 13	10 50	3 42	18 10	2 5	0n27	0n 3	10 8	0 59	10 43	1 21	17 53	0 52	20 17	0 36	13 2	1 45	5 7	14 20	21 15	21 6	21 1	7 37	1 23			
S 6	15 54	14 44	2 50	17 37	2 4	0 58	0 8	9 50	0 58	10 43	1 22	17 54	0 52	20 18	0 36	13 2	1 46	5 7	14 20	21 14	21 6	21 0	7 38	1 23			
M 7	15 36	17 51	1 52	17 4	2 3	1 29	0 13	9 32	0 58	10 44	1 22	17 56	0 52	20 18	0 36	13 2	1 46	5 7	14 19	21 14	21 5	20 59	7 39	1 23			
T 8	15 18	20 6	0 50	16 28	2 1	2 0	0 18	9 14	0 57	10 44	1 22	17 57	0 52	20 19	0 36	13 2	1 46	5 7	14 19	21 14	21 5	20 58	7 39	1 23			
W 9	14 59	21 26	0n13	15 52	1 59	2 30	0 24	8 56	0 57	10 44	1 22	17 59	0 52	20 19	0 36	13 2	1 46	5 8	14 19	21 14	21 4	20 57	7 40	1 23			
T 10	14 39	21 47	1 15	15 14	1 56	3 1	0 29	8 38	0 56	10 45	1 23	18 0	0 52	20 20	0 36	13 2	1 46	5 8	14 18	21 14	21 4	20 56	7 41	1 23			
F 11	14 20	21 11	2 14	14 34	1 53	3 32	0 34	8 19	0 56	10 45	1 23	18 1	0 52	20 20	0 36	13 2	1 46	5 8	14 18	21 13	21 3	20 55	7 42	1 22			
S 12	14 0	19 39	3 6	13 54	1 49	4 2	0 40	8 1	0 55	10 45	1 23	18 3	0 52	20 21	0 36	13 2	1 46	5 9	14 18	21 12	21 2	20 54	7 42	1 22			
S 13	13 41	17 14	3 52	13 11	1 45	4 33	0 45	7 42	0 55	10 45	1 23	18 4	0 53	20 21	0 36	13 2	1 46	5 9	14 17	21 11	21 2	20 53	7 43	1 22			
M14	13 21	14 4	4 27	12 28	1 40	5 3	0 51	7 24	0 54	10 45	1 24	18 6	0 53	20 22	0 36	13 1	1 46	5 9	14 17	21 9	21 1	20 52	7 44	1 22			
T 15	13 0	10 16	4 50	11 43	1 35	5 33	0 57	7 5	0 54	10 45	1 24	18 7	0 53	20 22	0 36	13 1	1 46	5 10	14 17	21 6	21 1	20 51	7 45	1 22			
W16	12 40	5 58	5 0	10 58	1 28	6 3	1 2	6 46	0 53	10 44	1 24	18 8	0 53	20 23	0 36	13 1	1 46	5 10	14 16	21 4	21 0	20 50	7 46	1 22			
T 17	12 19	1 22	4 55	10 11	1 22	6 33	1 8	6 28	0 53	10 44	1 24	18 10	0 53	20 24	0 36	13 1	1 46	5 11	14 16	21 1	20 59	20 49	7 47	1 22			
F 18	11 58	3n22	4 35	9 23	1 14	7 3	1 14	6 9	0 52	10 44	1 24	18 11	0 53	20 24	0 36	13 1	1 46	5 11	14 16	20 59	20 59	20 48	7 47	1 22			
S 19	11 37	8 1	4 1	8 34	1 6	7 33	1 20	5 50	0 52	10 44	1 25	18 13	0 53	20 24	0 36	13 1	1 46	5 11	14 15	20 57	20 58	20 47	7 48	1 21			
S 20	11 16	12 21	3 13	7 45	0 57	8 2	1 26	5 31	0 51	10 43	1 25	18 14	0 53	20 25	0 36	13 1	1 46	5 12	14 15	20 56	20 58	20 46	7 49	1 21			
M21	10 54	16 8	2 14	6 55	0 48	8 31	1 32	5 12	0 51	10 43	1 25	18 15	0 53	20 25	0 36	13 1	1 46	5 12	14 15	20 55	20 57	20 45	7 50	1 21			
T22	10 33	19 7	1 7	6 4	0 37	9 0	1 38	4 54	0 50	10 42	1 25	18 16	0 53	20 26	0 36	13 0	1 46	5 12	14 14	20 55	20 57	20 44	7 51	1 21			
W23	10 11	21 1	0s 6	5 14	0 27	9 29	1 44	4 35	0 50	10 41	1 26	18 18	0 53	20 26	0 36	13 0	1 47	5 13	14 14	20 55	20 56	20 43	7 52	1 21			
T24	9 49	21 39	1 19	4 23	0 15	9 58	1 50	4 16	0 49	10 41	1 26	18 19	0 53	20 27	0 36	13 0	1 47	5 13	14 14	20 55	20 55	20 42	7 53	1 21			
F 25	9 27	20 54	2 29	3 33	0 3	10 26	1 56	3 57	0 49	10 40	1 26	18 20	0 53	20 27	0 36	13 0	1 47	5 14	14 13	20 54	20 55	20 41	7 54	1 21			
S 26	9 4	18 46	3 30	2 44	0n10	10 54	2 3	3 38	0 48	10 39	1 26	18 21	0 53	20 28	0 36	13 0	1 47	5 14	14 13	20 54	20 54	20 40	7 55	1 21			
S 27	8 42	15 25	4 17	1 55	0 23	11 22	2 9	3 19	0 48	10 38	1 26	18 22	0 53	20 28	0 36	12 59	1 47	5 14	14 13	20 52	20 54	20 39	7 56	1 21			
M28	8 20	11 8	4 48	1 7	0 36	11 49	2 15	2 59	0 47	10 37	1 27	18 24	0 54	20 28	0 36	12 59	1 47	5 15	14 12	20 50	20 53	20 38	7 57	1 20			
T 29	7s57	6n13	5s 0	0s21	0n50	12n17	2n22	2s40	0s47	10s36	1n27	18n25	0n54	20n29	0n36	12s59	1n47	5n15	14s12	20s48	20s52	20s37	7n58	1n20			

ASTRODIENST EPHEMERIS for the year 2124

geocentric

MARCH 2124

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	10 36 19	10 ^h 38'39"	15 ^m 55	28 ^s 28	27 ^h 4	25 ^h 51	1 ^h 23	10 ^h 35	1 ^h 6	9 ^h 34	25 ^h 16	3 ^h 6	3 ^h 38	5 ^h 20	17 ^h 12	W 1
T 2	10 40 16	11 ^h 38'54"	29 ^m 56	29 ^s 40	28 ^h 2	26 ^h 38	1 ^h 20	10 ^h 31	1 ^h 5	9 ^h 34	25 ^h 17	2 ^h 55	3 ^h 34	5 ^h 27	17 ^h 15	T 2
F 3	10 44 12	12 ^h 39'07"	13 ^m 33	0 ^s 45	28 ^h 58	27 ^h 25	1 ^h 17	10 ^h 27	1 ^h 3	9 ^h 33	25 ^h 17	2 ^h 45	3 ^h 31	5 ^h 33	17 ^h 19	F 3
S 4	10 48 9	13 ^h 39'18"	26 ^m 46	1 ^s 42	29 ^h 54	28 ^h 11	1 ^h 14	10 ^h 24	1 ^h 1	9 ^h 32	25 ^h 18	2 ^h 38	3 ^h 28	5 ^h 40	17 ^h 22	S 4
S 5	10 52 5	14 ^h 39'28"	9 ^m 34	2 ^s 32	0 ^h 50	28 ^h 58	1 ^h 11	10 ^h 20	0 ^h 59	9 ^h 31	25 ^h 18	2 ^h 33	3 ^h 25	5 ^h 47	17 ^h 25	S 5
M 6	10 56 2	15 ^h 39'36"	22 ^m 1	3 ^s 14	1 ^h 44	29 ^h 45	1 ^h 7	10 ^h 17	0 ^h 58	9 ^h 31	25 ^h 19	2 ^h 31	3 ^h 22	5 ^h 53	17 ^h 28	M 6
T 7	10 59 59	16 ^h 39'42"	4 ^m 10	3 ^s 47	2 ^h 39	0 ^h 31	1 ^h 4	10 ^h 13	0 ^h 56	9 ^h 30	25 ^h 19	2 ^h 31	3 ^h 18	6 ^h 0	17 ^h 31	T 7
W 8	11 3 55	17 ^h 39'47"	16 ^m 7	4 ^s 11	3 ^h 32	1 ^h 18	1 ^h 0	10 ^h 10	0 ^h 55	9 ^h 29	25 ^h 20	2 ^h 31	3 ^h 15	6 ^h 7	17 ^h 34	W 8
T 9	11 7 52	18 ^h 39'51"	27 ^m 57	4 ^s 26	4 ^h 25	2 ^h 5	0 ^h 56	10 ^h 6	0 ^h 53	9 ^h 28	25 ^h 20	2 ^h 31	3 ^h 12	6 ^h 13	17 ^h 38	T 9
F 10	11 11 48	19 ^h 39'53"	9 ^m 33	4 ^s 45	4 ^h 28	5 ^h 17	2 ^h 51	10 ^h 3	0 ^h 52	9 ^h 27	25 ^h 21	2 ^h 29	3 ^h 9	6 ^h 20	17 ^h 41	F 10
S 11	11 15 45	20 ^h 39'53"	21 ^m 38	4 ^s 28	6 ^h 9	3 ^h 38	0 ^h 48	10 ^h 0	0 ^h 50	9 ^h 26	25 ^h 22	2 ^h 25	3 ^h 6	6 ^h 27	17 ^h 44	S 11
S 12	11 19 41	21 ^h 39'52"	3 ^m 38	4 ^s 16	7 ^h 0	4 ^h 24	0 ^h 43	9 ^h 57	0 ^h 49	9 ^h 25	25 ^h 22	2 ^h 18	3 ^h 3	6 ^h 33	17 ^h 47	S 12
M13	11 23 38	22 ^h 39'48"	15 ^m 51	3 ^s 55	7 ^h 50	5 ^h 11	0 ^h 39	9 ^h 54	0 ^h 47	9 ^h 24	25 ^h 23	2 ^h 8	2 ^h 59	6 ^h 40	17 ^h 51	M13
T 14	11 27 34	23 ^h 39'43"	28 ^m 18	3 ^s 27	8 ^h 39	5 ^h 57	0 ^h 34	9 ^h 51	0 ^h 46	9 ^h 23	25 ^h 24	1 ^h 57	2 ^h 56	6 ^h 47	17 ^h 54	T 14
W15	11 31 31	24 ^h 39'37"	11 ^m 38	0	2 ^s 52	9 ^h 27	6 ^h 44	0 ^h 29	9 ^h 48	0 ^h 45	9 ^h 22	25 ^h 25	1 ^h 45	2 ^h 53	6 ^h 53	W15
T 16	11 35 28	25 ^h 39'28"	23 ^m 59	2 ^s 10	10 ^h 15	7 ^h 30	0 ^h 24	9 ^h 46	0 ^h 44	9 ^h 21	25 ^h 25	1 ^h 33	2 ^h 50	7 ^h 0	18 ^h 1	T 16
F 17	11 39 24	26 ^h 39'17"	7 ^m 12	1 ^s 23	11 ^h 1	8 ^h 16	0 ^h 19	9 ^h 43	0 ^h 42	9 ^h 20	25 ^h 26	1 ^h 22	2 ^h 47	7 ^h 7	18 ^h 4	F 17
S 18	11 43 21	27 ^h 39'05"	20 ^m 39	0 ^s 32	11 ^h 47	9 ^h 3	0 ^h 13	9 ^h 41	0 ^h 41	9 ^h 19	25 ^h 27	1 ^h 14	2 ^h 43	7 ^h 13	18 ^h 8	S 18
S 19	11 47 17	28 ^h 38'50"	4 ^m 16	29 ^s 38	12 ^h 31	9 ^h 49	0 ^h 8	9 ^h 38	0 ^h 40	9 ^h 18	25 ^h 28	1 ^h 8	2 ^h 40	7 ^h 20	18 ^h 11	S 19
M20	11 51 14	29 ^h 38'33"	18 ^m 2	28 ^s 43	13 ^h 15	10 ^h 35	0 ^h 2	9 ^h 36	0 ^h 39	9 ^h 17	25 ^h 28	1 ^h 5	2 ^h 37	7 ^h 27	18 ^h 14	M20
T 21	11 55 10	0 ^h 38'14"	1 ^m 54	27 ^s 47	13 ^h 58	11 ^h 21	29 ^s 56	9 ^h 34	0 ^h 38	9 ^h 16	25 ^h 29	1 ^h 0	2 ^h 34	7 ^h 33	18 ^h 18	T 21
W22	11 59 7	1 ^h 37'53"	15 ^m 53	26 ^s 51	14 ^h 39	12 ^h 7	29 ^s 50	9 ^h 32	0 ^h 37	9 ^h 15	25 ^h 30	1 ^h 5	2 ^h 31	7 ^h 40	18 ^h 21	W22
T 23	12 3 3	2 ^h 37'29"	29 ^m 57	25 ^s 58	15 ^h 20	12 ^h 53	29 ^s 44	9 ^h 30	0 ^h 37	9 ^h 13	25 ^h 31	1 ^h 0	2 ^h 28	7 ^h 47	18 ^h 25	T 23
F 24	12 7 0	3 ^h 37'03"	14 ^m 6	25 ^s 7	15 ^h 59	13 ^h 39	29 ^s 38	9 ^h 28	0 ^h 36	9 ^h 12	25 ^h 32	1 ^h 5	2 ^h 24	7 ^h 53	18 ^h 28	F 24
S 25	12 10 56	4 ^h 36'35"	28 ^m 17	24 ^s 21	16 ^h 37	14 ^h 25	29 ^s 32	9 ^h 26	0 ^h 35	9 ^h 11	25 ^h 33	1 ^h 3	2 ^h 21	8 ^h 0	18 ^h 32	S 25
S 26	12 14 53	5 ^h 36'05"	12 ^m 30	23 ^s 38	17 ^h 13	15 ^h 11	29 ^s 25	9 ^h 24	0 ^h 34	9 ^h 10	25 ^h 34	0 ^h 58	2 ^h 18	8 ^h 7	18 ^h 35	S 26
M27	12 18 50	6 ^h 35'32"	26 ^m 40	23 ^s 0	17 ^h 49	15 ^h 57	29 ^s 19	9 ^h 23	0 ^h 34	9 ^h 8	25 ^h 35	0 ^h 51	2 ^h 15	8 ^h 13	18 ^h 39	M27
T 28	12 22 46	7 ^h 34'57"	10 ^m 44	22 ^s 28	18 ^h 23	16 ^h 43	29 ^s 12	9 ^h 21	0 ^h 33	9 ^h 7	25 ^h 36	0 ^h 43	2 ^h 12	8 ^h 20	18 ^h 42	T 28
W29	12 26 43	8 ^h 34'19"	24 ^m 38	22 ^s 2	18 ^h 55	17 ^h 29	29 ^s 6	9 ^h 20	0 ^h 33	9 ^h 6	25 ^h 36	0 ^h 34	2 ^h 9	8 ^h 27	18 ^h 46	W29
T 30	12 30 39	9 ^h 33'40"	8 ^m 17	21 ^s 41	19 ^h 26	18 ^h 15	28 ^s 59	9 ^h 19	0 ^h 32	9 ^h 4	25 ^h 37	0 ^h 26	2 ^h 5	8 ^h 33	18 ^h 50	T 30
F 31	12 34 36	10 ^h 32'58"	21 ^m 38	21 ^s 26	19 ^h 56	19 ^h 1	28 ^s 52	9 ^h 18	0 ^h 32	9 ^h 3	25 ^h 38	0 ^h 27	2 ^h 2	8 ^h 34	18 ^h 53	F 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	7s34	1n 3	4s53	0n23	1n 5	12n44	2n28	2s21	0s46	10s35	1n27	18n26	0n54	20n29	0n36	12s59	1n47	5n15	14s12	20s46	20s52	20s36	7n59	1n20	
T 2	7 11	4s 4	4 28	1 4	1 19	13 10	2 35	2 2	0 46	10 34	1 27	18 27	0 54	20 30	0 36	12 58	1 47	5 16	14 12	20 44	20 51	20 35	8 0	1 20	
F 3	6 48	8 51	3 48	1 43	1 33	13 37	2 41	1 43	0 45	10 33	1 27	18 28	0 54	20 30	0 36	12 58	1 47	5 16	14 11	20 42	20 51	20 34	8 1	1 20	
S 4	6 25	13 4	2 57	2 19	1 48	14 3	2 48	1 24	0 45	10 31	1 28	18 29	0 54	20 30	0 36	12 58	1 47	5 17	14 11	20 40	20 50	20 33	8 2	1 20	
S 5	6 2	16 32	1 58	2 52	2 2	14 28	2 54	1 5	0 44	10 30	1 28	18 30	0 54	20 31	0 36	12 58	1 47	5 17	14 11	20 39	20 49	20 32	8 4	1 20	
M 6	5 39	19 9	0 55	3 21	2 16	14 54	3 1	0 46	0 43	10 29	1 28	18 31	0 54	20 31	0 36	12 57	1 47	5 18	14 10	20 39	20 49	20 31	8 5	1 20	
T 7	5 16	20 49	0n 9	3 47	2 29	15 19	3 7	0 27	0 43	10 27	1 28	18 32	0 54	20 31	0 36	12 57	1 47	5 18	14 10	20 39	20 48	20 30	8 6	1 20	
W 8	4 52	21 31	1 12	4 8	2 41	15 43	3 14	0 8	0 42	10 26	1 28	18 33	0 54	20 32	0 36	12 57	1 47	5 18	14 10	20 39	20 48	20 29	8 7	1 19	
T 9	4 29	21 14	2 11	4 24	2 53	16 8	3 20	0n11	0 42	10 24	1 29	18 34	0 54	20 32	0 36	12 56	1 47	5 19	14 9	20 39	20 47	20 28	8 8	1 19	
F 10	4 5	20 0	3 4	4 36	3 4	16 31	3 27	0 30	0 41	10 23	1 29	18 35	0 54	20 32	0 36	12 56	1 47	5 19	14 9	20 39	20 46	20 27	8 9	1 19	
S 11	3 42	17 54	3 50	4 44	3 13	16 55	3 33	0 49	0 40	10 21	1 29	18 36	0 54	20 33	0 36	12 56	1 47	5 20	14 9	20 38	20 46	20 26	8 10	1 19	
S 12	3 18	15 1	4 26	4 46	3 21	17 18	3 40	1 8	0 40	10 19	1 29	18 37	0 54	20 33	0 36	12 55	1 47	5 20	14 9	20 36	20 45	20 25	8 12	1 19	
M13	2 55	11 27	4 50	4 44	3 27	17 41	3 47	1 27	0 39	10 18	1 29	18 37	0 54	20 33	0 36	12 55	1 48	5 21	14 8	20 34	20 44	20 24	8 13	1 19	
T 14	2 31	7 20	5 2	4 37	3 32	18 3	3 53	1 46	0 39	10 16	1 30	18 38	0 54	20 33	0 36	12 55	1 48	5 21	14 8	20 32	20 44	20 23	8 14	1 19	
W15	2 7	2 50	4 58	4 25	3 35	18 25	4 0	2 5	0 38	10 14	1 30	18 39	0 54	20 34	0 36	12 54	1 48	5 21	14 8	20 30	20 43	20 22	8 15	1 19	
T 16	1 43	1n54	4 40	4 10	3 36	18 46	4 6	2 24	0 38	10 12	1 30	18 40	0 54	20 34	0 36	12 54	1 48	5 22	14 7	20 27	20 40	20 21	8 16	1 19	
F 17	1 20	6 37	4 6	3 50	3 35	19 7	4 13	2 43	0 37	10 10	1 30	18 40	0 54	20 34	0 36	12 53	1 48	5 22	14 7	20 25	20 42	20 20	8 18	1 19	
S 18	0 56	11 7	3 18	3 27	3 32	19 28	4 19	3 2	0 36	10 8	1 30	18 41	0 54	20 34	0 36	12 53	1 48	5 23	14 7	20 23	20 41	20 19	8 19	1 18	
S 19	0 32	15 6	2 18	3 1	3 27	19 48	4 26	3 20	0 36	10 6	1 30	18 42	0 54	20 35	0 36	12 53	1 48	5 23	14 7	20 22	20 41	20 18	8 20	1 18	
M20	0 9	18 18	1 9	2 33	3 20	20 7	4 32	3 39	0 35	10 4	1 30	18 42	0 54	20 35	0 36	12 52	1 48	5 24	14 6	20 22	20 40	20 16	8 21	1 18	
T 21	0n15	20 27	0s 4	2 3	3 11	20 26	4 38	3 58	0 35	10 2	1 31	18 43	0 54	20 35	0 36	12 52	1 48	5 24	14 6	20 22	20 40	20 15	8 22	1 18	
W22	0 39	21 23	1 18	1 31	3 1	20 45	4 44	4 16	0 34	10 0	1 31	18 44	0 54	20 35	0 36	12 51	1 48	5 24	14 6	20 22	20 39	20 14	8 24	1 18	
T 23	1 3	20 57	2 28	1 0	2 50	21 3	4 51	4 35	0 33	9 57	1 31	18 44	0 54	20 35	0 36	12 51	1 48	5 25	14 6	20 22	20 38	20 13	8 25	1 18	
F 24	1 26	19 13	3 29	0 28	2 37	21 20	4 57	4 53	0 33	9 55	1 31	18 45	0 54	20 35	0 36	12 51	1 48	5 25	14 5	20 22	20 38	20 12	8 26	1 18	
S 25	1 50	16 17	4 18	0s 3	2 23	21 37	5 3	5 11	0 32	9 53	1 31	18 45	0 54	20 36	0 36	12 50	1 48	5 26	14 5	20 21	20 37	20 11	8 27	1 18	
S 26	2 13	12 24	4 50	0 33	2 9	21 54	5 9	5 30	0 31	9 50	1 31	18 46	0 54	20 36	0 36	12 50	1 48	5 26	14 5	20 20	20 36	20 10	8 29	1 18	
M27	2 37	7 50	5 5	1 2	1 54	22 9	5 15	5 48	0 31	9 48	1 31	18 46	0 54	20 36	0 36	12 49	1 48	5 27	14 4	20 19	20 36	20 9	8 30	1 18	
T 28	3 0	2 53	5 1	1 29	1 38	22 25	5 20	6 6	0 30	9 46	1 31	18 46	0 54	20 36	0 36	12 49	1 48	5 27	14 4	20 17	20 35	20 8	8 31	1 18	
W29	3 24	2s 9	4 40	1 54	1 23	22 39	5 26	6 24	0 30	9 43	1 31	18 47	0 54	20 36	0 36	12 48	1 48	5 28	14 4	20 15	20 35	20 6	8 33	1 17	
T 30	3 47	6 59	4 2	2 16	1 7	22 53	5 31	6 42	0 29	9 41	1 32	18 47	0 54	20 36	0 36	12 48	1 48	5 28	14 4	20 14	20 34	20 5	8 34	1 17	
F 31	4n10	11s24	3s12	2s36	0n51	23n 7	5n37	7n 0	0s28	9s38	1n32	18n47	0n54	20n36	0n36	12s47	1n48	5n28	14s 4	20s12	20s33	20s 4	8n35	1n17	

ASTRODIENST EPHEMERIS for the year 2124

geocentric

APRIL 2124

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	12 38 32	11°32'15	4♈40	21°R17	20♈24	19♈46	28°R45	9°R17	0°R31	9°R 1	25♈39	0°R13	1♈59	8♈47	18♈57	S 1
S 2	12 42 29	12°31'30	17°22	21°D13	20°50	20°32	28♈38	9♈16	0♈31	9♈ 0	25°40	0♈10	1°56	8°53	19° 0	S 2
M 3	12 46 25	13°30'42	29°47	21°X16	21°14	21°18	28°31	9°15	0°31	8°59	25°42	0°D 9	1°53	9° 0	19° 4	M 3
T 4	12 50 22	14°29'53	11♈56	21°24	21°37	22° 3	28°24	9°14	0°31	8°57	25°43	0°10	1°49	9° 7	19° 7	T 4
W 5	12 54 19	15°29'03	23°54	21°37	21°58	22°49	28°16	9°13	0°30	8°56	25°44	0°11	1°46	9°13	19°11	W 5
T 6	12 58 15	16°28'10	5♈46	21°55	22°17	23°34	28° 9	9°13	0°30	8°54	25°45	0°13	1°43	9°20	19°15	T 6
F 7	13 2 12	17°27'16	17°36	22°18	22°34	24°20	28° 2	9°13	0°D30	8°53	25°46	0°R13	1°40	9°27	19°18	F 7
S 8	13 6 8	18°26'20	29°30	22°45	22°49	25° 5	27°54	9°12	0°30	8°51	25°47	0°13	1°37	9°33	19°22	S 8
S 9	13 10 5	19°25'22	11♈38	23°17	23° 2	25°50	27°47	9°12	0°30	8°50	25°48	0°10	1°34	9°40	19°25	S 9
M10	13 14 1	20°24'22	23°48	23°53	23°13	26°36	27°39	9°D12	0°30	8°48	25°49	0° 6	1°30	9°47	19°29	M10
T 11	13 17 58	21°23'20	6♈20	24°33	23°21	27°21	27°31	9°12	0°31	8°47	25°50	0° 0	1°27	9°53	19°33	T 11
W12	13 21 54	22°22'17	19°11	25°17	23°28	28° 6	27°24	9°12	0°31	8°45	25°51	29♈54	1°24	10° 0	19°36	W12
T 13	13 25 51	23°21'12	2♈23	26° 4	23°32	28°51	27°16	9°13	0°31	8°44	25°53	29°48	1°21	10° 7	19°40	T 13
F 14	13 29 48	24°20'05	15°54	26°54	23°R34	29°36	27° 8	9°13	0°31	8°42	25°54	29°42	1°18	10°13	19°43	F 14
S 15	13 33 44	25°18'56	29°42	27°48	23°33	0♈21	27° 1	9°13	0°32	8°40	25°55	29°38	1°15	10°20	19°47	S 15
S 16	13 37 41	26°17'45	13♈45	28°45	23°30	1° 6	26°53	9°14	0°32	8°39	25°56	29°35	1°11	10°27	19°51	S 16
M17	13 41 37	27°16'32	27°57	29°45	23°24	1°51	26°45	9°15	0°33	8°37	25°57	29°D34	1° 8	10°33	19°54	M17
T 18	13 45 34	28°15'16	12♈15	0♈47	23°16	2°36	26°38	9°15	0°33	8°36	25°58	29°35	1° 5	10°40	19°58	T 18
W19	13 49 30	29°13'59	26°35	1°52	23° 6	3°21	26°30	9°16	0°34	8°34	26° 0	29°36	1° 2	10°47	20° 1	W19
T 20	13 53 27	0♈12'40	10♈53	3° 0	22°53	4° 6	26°22	9°17	0°34	8°32	26° 1	29°38	0°59	10°53	20° 5	T 20
F 21	13 57 23	1°11'18	25° 7	4°10	22°38	4°51	26°15	9°19	0°35	8°31	26° 2	29°R39	0°55	11° 0	20° 8	F 21
S 22	14 1 20	2° 9'54	9♈14	5°22	22°20	5°35	26° 7	9°20	0°36	8°29	26° 3	29°38	0°52	11° 7	20°12	S 22
S 23	14 5 17	3° 8'28	23°13	6°37	22° 0	6°20	25°59	9°21	0°37	8°28	26° 5	29°37	0°49	11°14	20°16	S 23
M24	14 9 13	4° 6'59	7♈ 3	7°54	21°38	7° 5	25°52	9°23	0°38	8°26	26° 6	29°35	0°46	11°20	20°19	M24
T 25	14 13 10	5° 5'28	20°42	9°13	21°13	7°49	25°44	9°24	0°39	8°24	26° 7	29°32	0°43	11°27	20°23	T 25
W26	14 17 6	6° 3'55	4♈ 8	10°34	20°46	8°34	25°37	9°26	0°39	8°23	26° 8	29°28	0°40	11°34	20°26	W26
T 27	14 21 3	7° 2'21	17°21	11°57	20°18	9°18	25°29	9°28	0°40	8°21	26°10	29°25	0°36	11°40	20°30	T 27
F 28	14 24 59	8° 0'44	0♈20	13°22	19°47	10° 3	25°22	9°30	0°42	8°19	26°11	29°22	0°33	11°47	20°33	F 28
S 29	14 28 56	8°59'05	13° 3	14°49	19°15	10°47	25°15	9°31	0°43	8°18	26°12	29°20	0°30	11°54	20°37	S 29
S 30	14 32 52	9♈57'25	25♈33	16♈18	18♈41	11♈31	25♈ 7	9♈34	0♈44	8♈16	26♈14	29°D19	0♈27	12♈ 0	20♈40	S 30

Day	☉	☾			♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	4n34	15s 9	2s13	2s54	0n36	23n19	5n42	7n18	0s28	9s36	1n32	18n48	0n54	20n36	0n36	12s47	1n48	5n29	14s 3	20s11	20s33	20s 3	8n36	1n17			
S 2	4 57	18 6	1 9	3 9	0 21	23 31	5 47	7 36	0 27	9 33	1 32	18 48	0 54	20 36	0 36	12 47	1 48	5 29	14 3	20 10	20 32	20 2	8 38	1 17			
M 3	5 20	20 7	0 2	3 22	0 7	23 43	5 52	7 53	0 26	9 30	1 32	18 48	0 54	20 36	0 36	12 46	1 48	5 30	14 3	20 10	20 31	20 1	8 39	1 17			
T 4	5 43	21 9	1n 3	3 32	0s 8	23 53	5 57	8 11	0 26	9 28	1 32	18 48	0 54	20 36	0 36	12 46	1 48	5 30	14 3	20 10	20 31	20 0	8 40	1 17			
W 5	6 6	21 12	2 5	3 39	0 21	24 3	6 1	8 29	0 25	9 25	1 32	18 48	0 54	20 36	0 36	12 45	1 48	5 31	14 2	20 11	20 30	19 58	8 42	1 17			
T 6	6 28	20 17	3 1	3 44	0 34	24 12	6 5	8 46	0 25	9 23	1 32	18 49	0 54	20 36	0 36	12 45	1 48	5 31	14 2	20 11	20 29	19 57	8 43	1 17			
F 7	6 51	18 29	3 49	3 46	0 47	24 20	6 9	9 3	0 24	9 20	1 32	18 49	0 54	20 36	0 36	12 44	1 48	5 32	14 2	20 11	20 29	19 56	8 44	1 17			
S 8	7 13	15 53	4 27	3 46	0 59	24 28	6 13	9 20	0 23	9 17	1 32	18 49	0 54	20 36	0 35	12 44	1 48	5 32	14 2	20 11	20 28	19 55	8 45	1 17			
S 9	7 36	12 35	4 54	3 44	1 10	24 34	6 16	9 38	0 23	9 15	1 32	18 49	0 54	20 36	0 35	12 43	1 48	5 32	14 2	20 10	20 28	19 54	8 47	1 17			
M10	7 58	8 43	5 8	3 40	1 21	24 40	6 19	9 55	0 22	9 12	1 32	18 49	0 54	20 36	0 35	12 43	1 49	5 33	14 1	20 9	20 27	19 53	8 48	1 17			
T 11	8 20	4 24	5 8	3 33	1 31	24 45	6 22	10 11	0 21	9 9	1 32	18 49	0 54	20 36	0 35	12 42	1 49	5 33	14 1	20 8	20 26	19 52	8 49	1 17			
W12	8 42	0n13	4 53	3 24	1 40	24 49	6 24	10 28	0 21	9 6	1 32	18 49	0 54	20 36	0 35	12 42	1 49	5 34	14 1	20 7	20 26	19 50	8 51	1 16			
T 13	9 4	4 57	4 22	3 14	1 49	24 52	6 26	10 45	0 20	9 4	1 32	18 49	0 54	20 36	0 35	12 41	1 49	5 34	14 1	20 6	20 25	19 49	8 52	1 16			
F 14	9 26	9 34	3 36	3 1	1 57	24 54	6 28	11 1	0 19	9 1	1 32	18 49	0 54	20 36	0 35	12 41	1 49	5 35	14 1	20 4	20 24	19 48	8 53	1 16			
S 15	9 47	13 47	2 36	2 47	2 5	24 55	6 29	11 18	0 19	8 58	1 32	18 48	0 54	20 36	0 35	12 40	1 49	5 35	14 0	20 3	20 24	19 47	8 55	1 16			
S 16	10 9	17 19	1 25	2 30	2 11	24 55	6 29	11 34	0 18	8 55	1 32	18 48	0 54	20 36	0 35	12 40	1 49	5 35	14 0	20 3	20 23	19 46	8 56	1 16			
M17	10 30	19 50	0 9	2 12	2 18	24 53	6 30	11 50	0 17	8 53	1 32	18 48	0 54	20 36	0 35	12 39	1 49	5 36	14 0	20 3	20 22	19 44	8 57	1 16			
T 18	10 51	21 6	1s 9	1 53	2 23	24 51	6 29	12 6	0 17	8 50	1 32	18 48	0 54	20 35	0 35	12 38	1 49	5 36	14 0	20 3	20 22	19 43	8 58	1 16			
W19	11 12	21 0	2 23	1 32	2 28	24 47	6 28	12 22	0 16	8 47	1 32	18 48	0 54	20 35	0 35	12 38	1 49	5 37	14 0	20 3	20 21	19 42	9 0	1 16			
T 20	11 32	19 32	3 27	1 9	2 33	24 42	6 27	12 38	0 16	8 44	1 32	18 47	0 54	20 35	0 35	12 37	1 49	5 37	14 0	20 3	20 20	19 41	9 1	1 16			
F 21	11 53	16 51	4 19	0 44	2 37	24 36	6 25	12 54	0 15	8 42	1 32	18 47	0 54	20 35	0 35	12 37	1 49	5 38	13 59	20 4	20 20	19 40	9 2	1 16			
S 22	12 13	13 12	4 54	0 19	2 40	24 29	6 22	13 9	0 14	8 39	1 32	18 47	0 54	20 35	0 35	12 36	1 49	5 38	13 59	20 4	20 19	19 38	9 4	1 16			
S 23	12 33	8 51	5 12	0n 8	2 42	24 20	6 19	13 25	0 14	8 36	1 32	18 46	0 54	20 35	0 35	12 36	1 49	5 38	13 59	20 3	20 18	19 37	9 5	1 16			
M24	12 53	4 6	5 11	0 37	2 44	24 11	6 14	13 40	0 13	8 34	1 32	18 46	0 54	20 34	0 35	12 35	1 49	5 39	13 59	20 3	20 18	19 36	9 6	1 16			
T 25	13 13	0s48	4 53	1 6	2 46	23 59	6 10	13 55	0 12	8 31	1 32	18 45	0 54	20 34	0 35	12 35	1 49	5 39	13 59	20 2	20 17	19 35	9 7	1 16			
W26	13 32	5 36	4 19	1 37	2 47	23 47	6 4	14 10	0 12	8 28	1 32	18 45	0 54	20 34	0 35	12 34	1 49	5 40	13 59	20 1	20 16	19 33	9 9	1 16			
T 27	13 51	10 3	3 31	2 9	2 47	23 33	5 58	14 25	0 11	8 26	1 31	18 45	0 54	20 34	0 35	12 34	1 49	5 40	13 59	20 1	20 16	19 32	9 10	1 16			
F 28	14 10	13 58	2 33	2 42	2 47	23 18	5 51	14 39	0 10	8 23	1 31	18 44	0 54	20 33	0 35	12 33	1 49	5 40	13 59	20 0	20 15	19 31	9 11	1 16			
S 29	14 29	17 9	1 29	3 17	2 46	23 2	5 44	14 54	0 10	8 21	1 31	18 44	0 54	20 33	0 35	12 33	1 49	5 41	13 58	20 0	20 14	19 30	9 13	1 16			
S 30	14n47	19s28	0s21	3n52	2s45	22n44	5n35	15n 8	0s 9	8s18	1n31	18n43	0n54	20n33	0n35	12s32	1n49	5n41	13s58	19s59	20s14	19s29	9n14	1n15			

ASTRODIENST EPHEMERIS for the year 2124

geocentric

MAY 2124

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	14 36 49	10♌55'43	7♌49	17♏49	18°R 6	12♌15	25°R 0	9♏36	0♏45	8°R15	26♌15	29♏19	0♌24	12♌7	20♏43	M 1
T 2	14 40 46	11°53'59	19°54	19°22	17♌30	13° 0	24♌53	9°38	0°46	8♏13	26°16	29°20	0°20	12°14	20°47	T 2
W 3	14 44 42	12°52'14	1♌51	20°57	16°53	13°44	24°46	9°40	0°48	8°11	26°18	29°22	0°17	12°20	20°50	W 3
T 4	14 48 39	13°50'27	13°43	22°33	16°16	14°28	24°39	9°43	0°49	8°10	26°19	29°23	0°14	12°27	20°54	T 4
F 5	14 52 35	14°48'39	25°33	24°12	15°38	15°12	24°32	9°46	0°50	8° 8	26°20	29°24	0°11	12°34	20°57	F 5
S 6	14 56 32	15°46'49	7♌27	25°52	15° 0	15°56	24°26	9°48	0°52	8° 6	26°22	29°25	0° 8	12°40	21° 0	S 6
S 7	15 0 28	16°44'57	19°30	27°34	14°23	16°40	24°19	9°51	0°53	8° 5	26°23	29°R25	0° 5	12°47	21° 4	S 7
M 8	15 4 25	17°43'04	1♌45	29°18	13°45	17°24	24°12	9°54	0°55	8° 3	26°24	29°25	0° 1	12°54	21° 7	M 8
T 9	15 8 12	18°41'10	14°17	1♌4	13° 9	18° 8	24° 6	9°57	0°57	8° 2	26°26	29°24	29♏58	13° 0	21°10	T 9
W10	15 12 18	19°39'14	27° 9	2°52	12°33	18°51	23°59	10° 0	0°58	8° 0	26°27	29°23	29°55	13° 7	21°14	W10
T 11	15 16 14	20°37'17	10♏25	4°42	11°58	19°35	23°53	10° 3	1° 0	7°58	26°28	29°22	29°52	13°14	21°17	T 11
F 12	15 20 11	21°35'19	24° 4	6°34	11°25	20°19	23°47	10° 6	1° 2	7°57	26°30	29°21	29°49	13°20	21°20	F 12
S 13	15 24 8	22°33'19	8♌6	8°27	10°53	21° 2	23°41	10°10	1° 4	7°55	26°31	29°20	29°46	13°27	21°23	S 13
S 14	15 28 4	23°31'18	22°28	10°23	10°23	21°46	23°35	10°13	1° 5	7°54	26°32	29°D20	29°42	13°34	21°26	S 14
M15	15 32 1	24°29'15	7♏4	12°20	9°55	22°30	23°29	10°17	1° 7	7°52	26°34	29°20	29°39	13°40	21°30	M15
T 16	15 35 57	25°27'11	21°49	14°19	9°28	23°13	23°24	10°20	1° 9	7°51	26°35	29°20	29°36	13°47	21°33	T 16
W17	15 39 54	26°25'05	6♌35	16°20	9° 4	23°56	23°18	10°24	1°11	7°49	26°36	29°20	29°33	13°54	21°36	W17
T 18	15 43 50	27°22'57	21°15	18°22	8°42	24°40	23°13	10°28	1°13	7°48	26°38	29°20	29°30	14° 1	21°39	T 18
F 19	15 47 47	28°20'48	5♏44	20°27	8°22	25°23	23° 8	10°32	1°15	7°46	26°39	29°20	29°26	14° 7	21°42	F 19
S 20	15 51 44	29°18'36	19°59	22°32	8° 4	26° 6	23° 3	10°36	1°17	7°45	26°40	29°21	29°23	14°14	21°45	S 20
S 21	15 55 40	0♏16'23	3♏57	24°40	7°49	26°50	22°58	10°40	1°20	7°43	26°42	29°21	29°20	14°21	21°48	S 21
M22	15 59 37	1°14'09	17°37	26°48	7°36	27°33	22°53	10°44	1°22	7°42	26°43	29°21	29°17	14°27	21°51	M22
T 23	16 3 33	2°11'52	0♌59	28°58	7°25	28°16	22°48	10°48	1°24	7°40	26°45	29°21	29°14	14°34	21°54	T 23
W24	16 7 30	3° 9'34	14° 5	1♏8	7°17	28°59	22°44	10°53	1°26	7°39	26°46	29°21	29°11	14°41	21°57	W24
T 25	16 11 26	4° 7'15	26°56	3°19	7°12	29°42	22°39	10°57	1°29	7°37	26°47	29°22	29° 7	14°47	22° 0	T 25
F 26	16 15 23	5° 4'54	9♏33	5°31	7° 8	0♏25	22°35	11° 1	1°31	7°36	26°49	29°22	29° 4	14°54	22° 2	F 26
S 27	16 19 19	6° 2'32	21°59	7°43	7°D 7	1° 8	22°31	11° 6	1°33	7°34	26°50	29°22	29° 1	15° 1	22° 5	S 27
S 28	16 23 16	7° 0'09	4♌13	9°55	7° 9	1°51	22°28	11°11	1°36	7°33	26°51	29°R22	28°58	15° 7	22° 8	S 28
M29	16 27 13	7°57'44	16°19	12° 6	7°12	2°33	22°24	11°15	1°38	7°32	26°53	29°22	28°55	15°14	22°11	M29
T 30	16 31 9	8°55'18	28°17	14°17	7°18	3°16	22°20	11°20	1°41	7°30	26°54	29°21	28°52	15°21	22°14	T 30
W31	16 35 6	9♏52'51	10♌11	16♏26	7♌27	3♏59	22♌17	11♏25	1♏43	7♏29	26♌55	29♏20	28♏48	15♌27	22♏16	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
M 1	15n 6	20s50	0n47	4n28	2s43	22n25	5n26	15n22	0s 8	8s16	1n31	18n42	0n54	20n33	0n35	M 1
T 2	15 24	21 11	1 51	5 6	2 41	22 6	5 16	15 36	0 8	8 13	1 31	18 42	0 54	20 32	0 35	T 2
W 3	15 41	20 34	2 50	5 44	2 38	21 45	5 6	15 50	0 7	8 11	1 31	18 41	0 54	20 32	0 35	W 3
T 4	15 59	19 3	3 42	6 23	2 34	21 24	4 55	16 4	0 6	8 8	1 31	18 40	0 54	20 32	0 35	T 4
F 5	16 16	16 42	4 23	7 3	2 30	21 2	4 43	16 17	0 6	8 6	1 30	18 40	0 54	20 31	0 35	F 5
S 6	16 33	13 39	4 54	7 44	2 25	20 39	4 31	16 31	0 5	8 4	1 30	18 39	0 54	20 31	0 35	S 6
S 7	16 50	10 1	5 12	8 25	2 20	20 15	4 19	16 44	0 4	8 1	1 30	18 38	0 54	20 31	0 35	S 7
M 8	17 6	5 55	5 17	9 7	2 15	19 52	4 6	16 57	0 4	7 59	1 30	18 37	0 54	20 30	0 35	M 8
T 9	17 22	1 28	5 6	9 50	2 9	19 28	3 52	17 10	0 3	7 57	1 30	18 37	0 54	20 30	0 35	T 9
W10	17 38	3n10	4 40	10 33	2 2	19 4	3 39	17 23	0 3	7 55	1 30	18 36	0 54	20 29	0 35	W10
T 11	17 54	7 47	3 59	11 16	1 55	18 40	3 25	17 35	0 2	7 52	1 30	18 35	0 54	20 29	0 35	T 11
F 12	18 9	12 10	3 3	12 0	1 48	18 16	3 10	17 48	0 1	7 50	1 29	18 34	0 54	20 29	0 35	F 12
S 13	18 24	16 1	1 55	12 44	1 40	17 52	2 56	18 0	0 1	7 48	1 29	18 33	0 54	20 28	0 35	S 13
S 14	18 38	18 59	0 38	13 29	1 31	17 29	2 42	18 12	0n 0	7 46	1 29	18 32	0 54	20 28	0 35	S 14
M15	18 53	20 46	0s43	14 13	1 22	17 6	2 27	18 23	0 1	7 44	1 29	18 31	0 54	20 27	0 35	M15
T 16	19 7	21 9	2 2	14 57	1 13	16 44	2 13	18 35	0 1	7 42	1 29	18 30	0 54	20 27	0 35	T 16
W17	19 20	20 3	3 12	15 41	1 4	16 22	1 58	18 47	0 2	7 41	1 28	18 29	0 54	20 26	0 35	W17
T 18	19 34	17 38	4 10	16 25	0 54	16 2	1 44	18 58	0 3	7 39	1 28	18 28	0 54	20 26	0 35	T 18
F 19	19 47	14 7	4 51	17 8	0 44	15 42	1 30	19 9	0 3	7 37	1 28	18 27	0 54	20 26	0 34	F 19
S 20	19 59	9 51	5 13	17 51	0 34	15 23	1 16	19 20	0 4	7 35	1 28	18 26	0 54	20 25	0 34	S 20
S 21	20 12	5 8	5 16	18 33	0 23	15 5	1 2	19 30	0 5	7 34	1 28	18 25	0 54	20 25	0 34	S 21
M22	20 24	0 16	5 2	19 13	0 13	14 49	0 49	19 41	0 5	7 32	1 27	18 24	0 54	20 24	0 34	M22
T 23	20 35	4s32	4 30	19 53	0 2	14 33	0 36	19 51	0 6	7 31	1 27	18 23	0 54	20 24	0 34	T 23
W24	20 46	9 1	3 46	20 30	0n 8	14 18	0 23	20 1	0 6	7 29	1 27	18 21	0 54	20 23	0 34	W24
T 25	20 57	13 1	2 51	21 7	0 19	14 4	0 11	20 11	0 7	7 28	1 27	18 20	0 54	20 22	0 34	T 25
F 26	21 8	16 22	1 48	21 41	0 29	13 52	0s 1	20 21	0 8	7 27	1 27	18 19	0 54	20 22	0 34	F 26
S 27	21 18	18 54	0 41	22 13	0 39	13 41	0 13	20 30	0 8	7 25	1 26	18 18	0 54	20 21	0 34	S 27
S 28	21 28	20 32	0n27	22 44	0 49	13 30	0 24	20 40	0 9	7 24	1 26	18 16	0 54	20 21	0 34	S 28
M29	21 37	21 11	1 33	23 11	0 58	13 21	0 35	20 49	0 10	7 23	1 26	18 15	0 54	20 20	0 34	M29
T 30	21 46	20 51	2 34	23 37	1 7	13 13	0 46	20 58	0 10	7 22	1 26	18 14	0 54	20 20	0 34	T 30
W31	21n55	19s35	3n27	23n59	1n16	13n 6	0s56	21n 6	0n11	7s21	1n25	18n12	0n54	20n19	0n34	W31

Julian Day Number = 2496955.5, Delta T = 105.68 sec
 Ecliptic obliquity = 23°25'19, Nutation = 0°00'14, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 26°28'39, Lahiri = 25°35'39

ASTRODIENST EPHEMERIS for the year 2124
geocentric

JUNE 2124

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	16 39 2	10♊50'24	22♋1	18♌35	7♍37	4♎41	22°R14	11♏30	1♐46	7°R28	26♑57	29°R18	28♒45	15♓34	22♈19	T 1
F 2	16 42 59	11°47'55	3♋52	20°42	7°49	5°24	22♌11	11°35	1°49	7♎26	26°58	29♎17	28°42	15°41	22°21	F 2
S 3	16 46 55	12°45'25	15°47	22°48	8° 4	6° 7	22° 8	11°40	1°51	7°25	26°59	29°15	28°39	15°48	22°24	S 3
S 4	16 50 52	13°42'55	27°49	24°52	8°20	6°49	22° 5	11°45	1°54	7°24	27° 0	29°14	28°36	15°54	22°27	S 4
M 5	16 54 48	14°40'23	10♋2	26°54	8°39	7°31	22° 3	11°51	1°57	7°23	27° 2	29°D13	28°32	16° 1	22°29	M 5
T 6	16 58 45	15°37'51	22°31	28°53	8°59	8°14	22° 1	11°56	2° 0	7°21	27° 3	29°13	28°29	16° 8	22°32	T 6
W 7	17 2 42	16°35'18	5♈20	0♉51	9°21	8°56	21°59	12° 1	2° 2	7°20	27° 4	29°14	28°26	16°14	22°34	W 7
T 8	17 6 38	17°32'45	18°32	2°46	9°44	9°38	21°57	12° 7	2° 5	7°19	27° 6	29°15	28°23	16°21	22°36	T 8
F 9	17 10 35	18°30'11	2♊10	4°39	10°10	10°21	21°55	12°12	2° 8	7°18	27° 7	29°16	28°20	16°28	22°39	F 9
S 10	17 14 31	19°27'37	16°15	6°29	10°37	11° 3	21°53	12°18	2°11	7°17	27° 8	29°17	28°17	16°34	22°41	S 10
S 11	17 18 28	20°25'01	0♊44	8°17	11° 5	11°45	21°52	12°24	2°14	7°16	27° 9	29°R18	28°13	16°41	22°43	S 11
M12	17 22 24	21°22'26	15°33	10° 3	11°35	12°27	21°51	12°29	2°17	7°15	27°11	29°17	28°10	16°48	22°45	M12
T 13	17 26 21	22°19'49	0♉36	11°46	12° 6	13° 9	21°50	12°35	2°20	7°14	27°12	29°15	28° 7	16°54	22°48	T 13
W14	17 30 17	23°17'12	15°43	13°26	12°39	13°51	21°49	12°41	2°23	7°13	27°13	29°13	28° 4	17° 1	22°50	W14
T 15	17 34 14	24°14'34	0♎45	15° 3	13°13	14°33	21°48	12°47	2°26	7°12	27°14	29°10	28° 1	17° 8	22°52	T 15
F 16	17 38 11	25°11'54	15°34	16°39	13°48	15°15	21°48	12°53	2°29	7°11	27°16	29° 6	27°58	17°14	22°54	F 16
S 17	17 42 7	26° 9'14	0♎3	18°11	14°25	15°57	21°47	12°59	2°32	7°10	27°17	29° 4	27°54	17°21	22°56	S 17
S 18	17 46 4	27° 6'33	14° 8	19°41	15° 3	16°39	21°D47	13° 5	2°35	7° 9	27°18	29° 2	27°51	17°28	22°58	S 18
M19	17 50 0	28° 3'51	27°48	21° 8	15°41	17°20	21°47	13°11	2°39	7° 8	27°19	29°D 1	27°48	17°35	23° 0	M19
T 20	17 53 57	29° 1'08	11♌5	22°32	16°21	18° 2	21°47	13°17	2°42	7° 7	27°20	29° 2	27°45	17°41	23° 2	T 20
W21	17 57 53	29°58'25	24° 0	23°54	17° 2	18°43	21°48	13°24	2°45	7° 6	27°22	29° 3	27°42	17°48	23° 4	W21
T 22	18 1 50	0♉55'40	6♎37	25°12	17°44	19°25	21°48	13°30	2°48	7° 5	27°23	29° 5	27°38	17°55	23° 5	T 22
F 23	18 5 46	1°52'55	18°59	26°28	18°27	20° 7	21°49	13°36	2°51	7° 4	27°24	29° 6	27°35	18° 1	23° 7	F 23
S 24	18 9 43	2°50'10	1♈10	27°42	19°11	20°48	21°50	13°43	2°55	7° 4	27°25	29°R 6	27°32	18° 8	23° 9	S 24
S 25	18 13 40	3°47'24	13°13	28°52	19°55	21°29	21°51	13°49	2°58	7° 3	27°26	29° 5	27°29	18°15	23°10	S 25
M26	18 17 36	4°44'37	25° 9	29°59	20°41	22°11	21°52	13°56	3° 1	7° 2	27°27	29° 3	27°26	18°21	23°12	M26
T 27	18 21 33	5°41'50	7♋2	1♎3	21°27	22°52	21°54	14° 2	3° 5	7° 2	27°28	28°58	27°23	18°28	23°14	T 27
W28	18 25 29	6°39'03	18°53	2° 4	22°14	23°33	21°56	14° 9	3° 8	7° 1	27°30	28°53	27°19	18°35	23°15	W28
T 29	18 29 26	7°36'15	0♋44	3° 2	23° 2	24°15	21°57	14°16	3°12	7° 0	27°31	28°46	27°16	18°41	23°17	T 29
F 30	18 33 22	8°33'27	12♋37	3♎56	23♋51	24♌56	21♌59	14♎22	3♎15	7♎0	27♋32	28♎39	27♎13	18♋48	23♈18	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	22n 3	17s29	4n12	24n19	1n24	13n 0	1s 6	21n15	0n12	7s20	1n25	18n11	0n54	20n18	0n34	12s17	1n48	5n51	13s57	19s59	19s52	18s47	9n50	1n14	
F 2	22 11	14 38	4 46	24 37	1 31	12 55	1 15	21 23	0 12	7 19	1 25	18 10	0 54	20 18	0 34	12 17	1 48	5 52	13 57	19 59	19 51	18 46	9 51	1 14	
S 3	22 19	11 12	5 8	24 51	1 38	12 52	1 24	21 31	0 13	7 18	1 25	18 8	0 54	20 17	0 34	12 16	1 48	5 52	13 57	19 58	19 51	18 44	9 52	1 14	
S 4	22 26	7 16	5 16	25 3	1 44	12 49	1 33	21 39	0 13	7 18	1 24	18 7	0 54	20 17	0 34	12 16	1 48	5 52	13 57	19 58	19 50	18 43	9 53	1 14	
M 5	22 33	3 0	5 11	25 12	1 49	12 47	1 41	21 47	0 14	7 17	1 24	18 5	0 54	20 16	0 34	12 16	1 48	5 52	13 57	19 58	19 49	18 41	9 54	1 14	
T 6	22 39	1n29	4 51	25 18	1 53	12 46	1 49	21 54	0 15	7 16	1 24	18 4	0 54	20 15	0 34	12 15	1 48	5 53	13 57	19 58	19 49	18 40	9 55	1 14	
W 7	22 45	6 2	4 16	25 22	1 57	12 45	1 56	22 1	0 15	7 16	1 24	18 2	0 54	20 15	0 34	12 15	1 48	5 53	13 58	19 58	19 48	18 39	9 55	1 14	
T 8	22 50	10 27	3 26	25 24	2 0	12 46	2 4	22 9	0 16	7 15	1 23	18 1	0 54	20 14	0 34	12 15	1 48	5 53	13 58	19 59	19 47	18 37	9 56	1 14	
F 9	22 55	14 29	2 24	25 23	2 2	12 47	2 10	22 15	0 16	7 15	1 23	17 59	0 54	20 13	0 34	12 14	1 48	5 53	13 58	19 59	19 46	18 36	9 57	1 14	
S 10	23 0	17 50	1 11	25 19	2 4	12 50	2 17	22 22	0 17	7 14	1 23	17 58	0 54	20 13	0 34	12 14	1 48	5 53	13 58	19 59	19 46	18 35	9 58	1 14	
S 11	23 5	20 10	0s 8	25 14	2 4	12 52	2 23	22 28	0 18	7 14	1 23	17 56	0 54	20 12	0 34	12 14	1 48	5 54	13 58	19 59	19 45	18 33	9 59	1 14	
M12	23 8	21 10	1 28	25 6	2 4	12 56	2 29	22 34	0 18	7 14	1 22	17 55	0 54	20 11	0 34	12 13	1 48	5 54	13 58	19 59	19 44	18 32	10 0	1 14	
T 13	23 12	20 41	2 44	24 57	2 3	13 0	2 34	22 40	0 19	7 14	1 22	17 53	0 54	20 11	0 34	12 13	1 48	5 54	13 58	19 59	19 44	18 30	10 0	1 14	
W14	23 15	18 43	3 48	24 46	2 2	13 5	2 40	22 46	0 20	7 14	1 22	17 51	0 54	20 10	0 34	12 13	1 48	5 54	13 58	19 58	19 43	18 29	10 1	1 14	
T 15	23 18	15 28	4 36	24 33	1 59	13 11	2 45	22 52	0 20	7 14	1 21	17 50	0 54	20 9	0 34	12 12	1 48	5 54	13 58	19 57	19 42	18 28	10 2	1 14	
F 16	23 20	11 18	5 5	24 19	1 56	13 17	2 49	22 57	0 21	7 14	1 21	17 48	0 54	20 9	0 34	12 12	1 48	5 54	13 58	19 57	19 41	18 26	10 3	1 14	
S 17	23 22	6 33	5 14	24 3	1 53	13 23	2 54	23 2	0 21	7 14	1 21	17 46	0 54	20 8	0 34	12 12	1 48	5 55	13 58	19 56	19 41	18 25	10 4	1 14	
S 18	23 23	1 34	5 3	23 46	1 48	13 30	2 58	23 7	0 22	7 14	1 21	17 45	0 54	20 7	0 34	12 12	1 48	5 55	13 59	19 56	19 40	18 23	10 4	1 14	
M19	23 24	3s20	4 35	23 28	1 43	13 38	3 1	23 12	0 23	7 14	1 20	17 43	0 54	20 6	0 34	12 11	1 47	5 55	13 59	19 55	19 39	18 22	10 5	1 14	
T 20	23 25	7 58	3 53	23 8	1 37	13 46	3 5	23 16	0 23	7 15	1 20	17 41	0 54	20 6	0 34	12 11	1 47	5 55	13 59	19 56	19 39	18 21	10 6	1 14	
W21	23 25	12 6	3 1	22 48	1 31	13 54	3 8	23 20	0 24	7 15	1 20	17 39	0 54	20 5	0 34	12 11	1 47	5 55	13 59	19 56	19 38	18 19	10 6	1 14	
T 22	23 25	15 36	2 0	22 27	1 24	14 3	3 11	23 24	0 24	7 16	1 20	17 37	0 54	20 4	0 34	12 11	1 47	5 55	13 59	19 56	19 37	18 18	10 7	1 14	
F 23	23 24	18 20	0 55	22 5	1 16	14 12	3 14	23 28	0 25	7 16	1 19	17 36	0 54	20 3	0 34	12 10	1 47	5 55	13 59	19 57	19 36	18 16	10 8	1 14	
S 24	23 23	20 12	0n11	21 43	1 7	14 21	3 17	23 32	0 26	7 17	1 19	17 34	0 54	20 3	0 34	12 10	1 47	5 55	13 59	19 57	19 36	18 15	10 8	1 14	
S 25	23 22	21 6	1 16	21 20	0 59	14 31	3 19	23 35	0 26	7 17	1 19	17 32	0 54	20 2	0 34	12 10	1 47	5 56	13 59	19 56	19 35	18 14	10 9	1 14	
M26	23 20	21 3	2 17	20 56	0 49	14 41	3 21	23 38	0 27	7 18	1 19	17 30	0 54	20 1	0 34	12 10	1 47	5 56	14 0	19 56	19 34	18 12	10 9	1 14	
T 27	23 18	20 3	3 12	20 32	0 39	14 51	3 23	23 41	0 27	7 19	1 18	17 28	0 54	20 0	0 34	12 10	1 47	5 56	14 0	19 55	19 34	18 11	10 10	1 14	
W28	23 15	18 10	3 58	20 9	0 28	15 1	3 24	23 44	0 28	7 20	1 18	17 26	0 54	20 0	0 34	12 10	1 47	5 56	14 0	19 54	19 33	18 9	10 11	1 14	
T 29	23 12	15 31	4 34	19 44	0 17	15 12	3 26	23 46	0 29	7 21	1 18	17 24	0 54	19 59	0 34	12 9	1 47	5 56	14 0	19 52	19 32	18 8	10 11	1 14	
F 30	23n 9	12s15	4n57	19n20	0n 5	15n22	3s27	23n49	0n29	7s22	1n17	17n23	0n54	19n58	0n34	12s 9	1n47	5n56	14s 0	19s51	19s31	18s 6	10n12	1n14	

ASTRODIENST EPHEMERIS for the year 2124

geocentric

JULY 2124

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 37 19	9♂30'40	24♂♂35	4♂47	24♂40	25♂37	22♂ 2	14♂29	3♂18	6♂R59	27♂33	28♂R32	27♂10	18♂55	23♂19	S 1
S 2	18 41 15	10°27'52	6♂39	5°34	25°31	26°18	22° 4	14°36	3°22	6♂L59	27°34	28♂L26	27° 7	19° 2	23°21	S 2
M 3	18 45 12	11°25'04	18°53	6°18	26°21	26°59	22° 6	14°43	3°25	6°58	27°35	28°22	27° 4	19° 8	23°22	M 3
T 4	18 49 9	12°22'16	1♂21	6°58	27°13	27°40	22° 9	14°50	3°29	6°58	27°36	28°19	27° 0	19°15	23°23	T 4
W 5	18 53 5	13°19'29	14° 6	7°34	28° 5	28°21	22°12	14°56	3°32	6°57	27°37	28°D19	26°57	19°22	23°24	W 5
T 6	18 57 2	14°16'41	27°12	8° 6	28°57	29° 2	22°15	15° 3	3°36	6°57	27°38	28°19	26°54	19°28	23°26	T 6
F 7	19 0 58	15°13'55	10♂43	8°34	29°51	29°43	22°18	15°10	3°39	6°56	27°39	28°20	26°51	19°35	23°27	F 7
S 8	19 4 55	16°11'08	24°41	8°57	0♂44	0♂23	22°21	15°17	3°43	6°56	27°40	28°R21	26°48	19°42	23°28	S 8
S 9	19 8 51	17° 8'22	9♂ 5	9°16	1°39	1° 4	22°25	15°25	3°46	6°56	27°41	28°21	26°44	19°48	23°29	S 9
M10	19 12 48	18° 5'36	23°53	9°31	2°33	1°45	22°29	15°32	3°50	6°56	27°42	28°19	26°41	19°55	23°30	M10
T 11	19 16 44	19° 2'50	8♂59	9°41	3°29	2°26	22°32	15°39	3°54	6°55	27°43	28°14	26°38	20° 2	23°30	T 11
W12	19 20 41	20° 0'05	24°15	9°46	4°25	3° 6	22°36	15°46	3°57	6°55	27°44	28° 8	26°35	20° 9	23°31	W12
T 13	19 24 38	20°57'19	9♂30	9°R47	5°21	3°47	22°41	15°53	4° 1	6°55	27°44	28° 0	26°32	20°15	23°32	T 13
F 14	19 28 34	21°54'34	24°33	9°43	6°17	4°27	22°45	16° 0	4° 4	6°55	27°45	27°52	26°29	20°22	23°33	F 14
S 15	19 32 31	22°51'48	9♂15	9°34	7°15	5° 8	22°49	16° 8	4° 8	6°55	27°46	27°45	26°25	20°29	23°33	S 15
S 16	19 36 27	23°49'03	23°30	9°20	8°12	5°48	22°54	16°15	4°12	6°54	27°47	27°40	26°22	20°35	23°34	S 16
M17	19 40 24	24°46'18	7♂17	9° 2	9°10	6°28	22°59	16°22	4°15	6°54	27°48	27°36	26°19	20°42	23°34	M17
T 18	19 44 20	25°43'32	20°35	8°40	10° 8	7° 9	23° 4	16°30	4°19	6°D54	27°49	27°D35	26°16	20°49	23°35	T 18
W19	19 48 17	26°40'47	3♂L28	8°13	11° 7	7°49	23° 9	16°37	4°23	6°54	27°49	27°35	26°13	20°55	23°35	W19
T 20	19 52 13	27°38'02	16° 0	7°43	12° 6	8°29	23°14	16°44	4°26	6°54	27°50	27°36	26°10	21° 2	23°36	T 20
F 21	19 56 10	28°35'17	28°15	7° 9	13° 6	9° 9	23°20	16°52	4°30	6°54	27°51	27°R36	26° 6	21° 9	23°36	F 21
S 22	20 0 7	29°32'32	10♂18	6°32	14° 5	9°50	23°25	16°59	4°34	6°55	27°52	27°35	26° 3	21°15	23°36	S 22
S 23	20 4 3	0♂29'48	22°14	5°53	15° 5	10°30	23°31	17° 7	4°37	6°55	27°52	27°32	26° 0	21°22	23°37	S 23
M24	20 8 0	1°27'04	4♂ 5	5°12	16° 6	11°10	23°37	17°14	4°41	6°55	27°53	27°27	25°57	21°29	23°37	M24
T 25	20 11 56	2°24'21	15°55	4°30	17° 7	11°50	23°43	17°22	4°45	6°55	27°54	27°19	25°54	21°36	23°37	T 25
W26	20 15 53	3°21'38	27°46	3°48	18° 8	12°30	23°49	17°29	4°48	6°55	27°54	27° 9	25°50	21°42	23°37	W26
T 27	20 19 49	4°18'55	9♂41	3° 6	19° 9	13°10	23°55	17°37	4°52	6°56	27°55	26°57	25°47	21°49	23°R37	T 27
F 28	20 23 46	5°16'13	21°39	2°25	20°11	13°49	24° 2	17°44	4°56	6°56	27°56	26°45	25°44	21°56	23°37	F 28
S 29	20 27 42	6°13'32	3♂43	1°46	21°13	14°29	24° 8	17°52	5° 0	6°56	27°56	26°33	25°41	22° 2	23°37	S 29
S 30	20 31 39	7°10'52	15°55	1°10	22°15	15° 9	24°15	18° 0	5° 3	6°57	27°57	26°23	25°38	22° 9	23°37	S 30
M31	20 35 36	8♂ 8'12	28♂15	0♂37	23♂17	15♂49	24♂22	18♂ 7	5♂ 7	6♂L57	27♂57	26♂14	25♂35	22♂16	23♂37	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	23n 5	8s28	5n 9	18n56	0s 7	15n33	3s28	23n51	0n30	7s23	1n17	17n21	0n54	19n57	0n34	12s 9
S 2	23 1	4 19	5 6	18 33	0 20	15 44	3 29	23 52	0 30	7 24	1 17	17 19	0 54	19 56	0 34	12 9
M 3	22 56	0n 3	4 50	18 9	0 33	15 55	3 30	23 54	0 31	7 25	1 17	17 17	0 55	19 55	0 34	12 9
T 4	22 51	4 30	4 20	17 46	0 46	16 7	3 30	23 56	0 31	7 26	1 16	17 15	0 55	19 55	0 34	12 9
W 5	22 45	8 53	3 36	17 24	1 0	16 18	3 31	23 57	0 32	7 28	1 16	17 13	0 55	19 54	0 34	12 9
T 6	22 39	12 58	2 40	17 2	1 15	16 29	3 31	23 58	0 33	7 29	1 16	17 11	0 55	19 53	0 34	12 9
F 7	22 33	16 31	1 34	16 40	1 29	16 40	3 31	23 58	0 33	7 30	1 16	17 9	0 55	19 52	0 34	12 9
S 8	22 26	19 15	0 20	16 20	1 44	16 51	3 31	23 59	0 34	7 32	1 15	17 7	0 55	19 51	0 34	12 8
S 9	22 19	20 51	0s58	16 1	1 59	17 3	3 30	23 59	0 34	7 33	1 15	17 4	0 55	19 51	0 34	12 8
M10	22 12	21 4	2 13	15 43	2 14	17 14	3 30	23 59	0 35	7 35	1 15	17 2	0 55	19 50	0 34	12 8
T 11	22 4	19 47	3 21	15 25	2 29	17 25	3 29	23 59	0 35	7 37	1 15	17 0	0 55	19 49	0 34	12 8
W12	21 56	17 4	4 15	15 10	2 44	17 36	3 28	23 59	0 36	7 38	1 14	16 58	0 55	19 48	0 34	12 8
T 13	21 47	13 11	4 51	14 55	2 58	17 46	3 27	23 59	0 37	7 40	1 14	16 56	0 55	19 47	0 34	12 8
F 14	21 38	8 31	5 6	14 42	3 13	17 57	3 26	23 58	0 37	7 42	1 14	16 54	0 55	19 46	0 34	12 8
S 15	21 29	3 28	5 0	14 31	3 27	18 8	3 25	23 57	0 38	7 44	1 14	16 52	0 55	19 45	0 34	12 8
S 16	21 19	1s39	4 36	14 21	3 41	18 18	3 24	23 56	0 38	7 46	1 13	16 50	0 55	19 45	0 34	12 8
M17	21 9	6 30	3 56	14 13	3 54	18 28	3 22	23 55	0 39	7 48	1 13	16 48	0 55	19 44	0 34	12 8
T 18	20 59	10 53	3 5	14 7	4 6	18 38	3 21	23 53	0 39	7 50	1 13	16 45	0 55	19 43	0 34	12 8
W19	20 48	14 38	2 6	14 3	4 17	18 48	3 19	23 51	0 40	7 52	1 13	16 43	0 55	19 42	0 34	12 8
T 20	20 37	17 36	1 2	14 1	4 27	18 58	3 17	23 49	0 41	7 54	1 12	16 41	0 55	19 41	0 34	12 9
F 21	20 26	19 42	0n 3	14 1	4 36	19 7	3 15	23 47	0 41	7 56	1 12	16 39	0 55	19 40	0 34	12 9
S 22	20 14	20 52	1 7	14 2	4 44	19 16	3 13	23 45	0 42	7 59	1 12	16 37	0 55	19 39	0 34	12 9
S 23	20 2	21 4	2 8	14 6	4 50	19 25	3 11	23 42	0 42	8 1	1 12	16 34	0 55	19 38	0 34	12 9
M24	19 49	20 20	3 2	14 11	4 55	19 34	3 9	23 40	0 43	8 3	1 11	16 32	0 55	19 38	0 34	12 9
T 25	19 37	18 42	3 48	14 18	4 58	19 42	3 7	23 37	0 43	8 6	1 11	16 30	0 55	19 37	0 34	12 9
W26	19 23	16 17	4 24	14 26	4 59	19 50	3 4	23 34	0 44	8 8	1 11	16 28	0 55	19 36	0 34	12 9
T 27	19 10	13 11	4 48	14 36	4 59	19 57	3 2	23 30	0 44	8 11	1 11	16 25	0 56	19 35	0 34	12 9
F 28	18 56	9 32	5 1	14 48	4 56	20 5	2 59	23 27	0 45	8 13	1 10	16 23	0 56	19 34	0 34	12 9
S 29	18 42	5 29	4 59	15 0	4 52	20 12	2 57	23 23	0 45	8 16	1 10	16 21	0 56	19 33	0 34	12 10
S 30	18 28	1 11	4 45	15 13	4 47	20 18	2 54	23 19	0 46	8 19	1 10	16 19	0 56	19 32	0 34	12 10
M31	18n13	3n14	4n17	15n27	4s39	20n24	2s51	23n15	0n46	8s21	1n10	16n16	0n56	19n31	0n34	12s10

Julian Day Number = 2497016.5, Delta T = 105.78 sec
 Ecliptic obliquity = 23°25'18, Nutation = 0°00'15, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 26°28'47, Lahiri = 25°35'48

ASTRODIENST EPHEMERIS for the year 2124
geocentric

AUGUST 2124

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	20 39 32	9♌ 5'34	10♍47	0°R 8	24♎20	16♏28	24♏29	18♏15	5♏11	6♏57	27♏58	26°R 9	25♏31	22♏22	23°R36	T 1
W 2	20 43 29	10° 2'57	23°33	29♏44	25°23	17° 8	24°36	18°22	5°14	6°58	27°59	26♏ 6	25°28	22°29	23°Y36	W 2
T 3	20 47 25	11° 0'20	6♌37	29°24	26°27	17°48	24°43	18°30	5°18	6°58	27°59	26°D 5	25°25	22°36	23°36	T 3
F 4	20 51 22	11°57'45	20° 2	29°10	27°30	18°27	24°50	18°38	5°22	6°59	28° 0	26°R 5	25°22	22°43	23°35	F 4
S 5	20 55 18	12°55'11	3♎50	29° 2	28°34	19° 7	24°58	18°45	5°25	6°59	28° 0	26° 5	25°19	22°49	23°35	S 5
S 6	20 59 15	13°52'39	18° 3	29°D 0	29°38	19°46	25° 5	18°53	5°29	7° 0	28° 0	26° 3	25°16	22°56	23°34	S 6
M 7	21 3 11	14°50'07	2♏39	29° 5	0♏42	20°26	25°13	19° 1	5°33	7° 1	28° 1	26° 0	25°12	23° 3	23°34	M 7
T 8	21 7 8	15°47'37	17°35	29°16	1°47	21° 5	25°21	19° 8	5°36	7° 1	28° 1	25°53	25° 9	23° 9	23°33	T 8
W 9	21 11 5	16°45'08	2♌44	29°34	2°52	21°44	25°29	19°16	5°40	7° 2	28° 2	25°45	25° 6	23°16	23°33	W 9
T 10	21 15 1	17°42'40	17°55	29°58	3°57	22°24	25°37	19°24	5°44	7° 3	28° 2	25°34	25° 3	23°23	23°32	T 10
F 11	21 18 58	18°40'13	2♎59	0♌30	5° 2	23° 3	25°45	19°32	5°47	7° 3	28° 2	25°23	25° 0	23°29	23°31	F 11
S 12	21 22 54	19°37'47	17°45	1° 7	6° 7	23°42	25°53	19°39	5°51	7° 4	28° 3	25°13	24°56	23°36	23°30	S 12
S 13	21 26 51	20°35'22	2♌ 6	1°52	7°13	24°21	26° 2	19°47	5°54	7° 5	28° 3	25° 5	24°53	23°43	23°29	S 13
M14	21 30 47	21°32'58	15°58	2°43	8°18	25° 0	26°10	19°55	5°58	7° 6	28° 3	24°59	24°50	23°50	23°28	M14
T 15	21 34 44	22°30'34	29°21	3°41	9°24	25°39	26°19	20° 2	6° 2	7° 7	28° 4	24°56	24°47	23°56	23°27	T 15
W16	21 38 40	23°28'12	12♎17	4°45	10°30	26°18	26°28	20°10	6° 5	7° 7	28° 4	24°54	24°44	24° 3	23°26	W16
T 17	21 42 37	24°25'51	24°49	5°54	11°37	26°57	26°37	20°18	6° 9	7° 8	28° 4	24°54	24°41	24°10	23°25	T 17
F 18	21 46 34	25°23'31	7♌ 4	7°10	12°43	27°36	26°46	20°25	6°12	7° 9	28° 4	24°54	24°37	24°16	23°24	F 18
S 19	21 50 30	26°21'11	19° 5	8°31	13°50	28°15	26°55	20°33	6°16	7°10	28° 5	24°53	24°34	24°23	23°23	S 19
S 20	21 54 27	27°18'53	0♏59	9°58	14°56	28°54	27° 4	20°41	6°19	7°11	28° 5	24°49	24°31	24°30	23°22	S 20
M21	21 58 23	28°16'36	12°49	11°29	16° 3	29°33	27°13	20°48	6°23	7°12	28° 5	24°43	24°28	24°37	23°21	M21
T 22	22 2 20	29°14'20	24°39	13° 5	17°10	0♌12	27°23	20°56	6°26	7°13	28° 5	24°35	24°25	24°43	23°19	T 22
W23	22 6 16	0♎12'05	6♌33	14°44	18°18	0°50	27°32	21° 4	6°30	7°14	28° 5	24°23	24°21	24°50	23°18	W23
T 24	22 10 13	1° 9'52	18°33	16°28	19°25	1°29	27°42	21°11	6°33	7°16	28° 5	24°10	24°18	24°57	23°16	T 24
F 25	22 14 9	2° 7'39	0♎40	18°15	20°33	2° 8	27°51	21°19	6°37	7°17	28° 5	23°57	24°15	25° 3	23°15	F 25
S 26	22 18 6	3° 5'29	12°55	20° 5	21°41	2°46	28° 1	21°26	6°40	7°18	28° 5	23°44	24°12	25°10	23°14	S 26
S 27	22 22 3	4° 3'19	25°19	21°57	22°49	3°25	28°11	21°34	6°43	7°19	28° 5	23°32	24° 9	25°17	23°12	S 27
M28	22 25 59	5° 1'12	7♎53	23°50	23°57	4° 3	28°21	21°42	6°47	7°20	28°R 5	23°23	24° 6	25°23	23°10	M28
T 29	22 29 56	5°59'06	20°37	25°46	25° 5	4°42	28°31	21°49	6°50	7°22	28° 5	23°16	24° 2	25°30	23° 9	T 29
W30	22 33 52	6°57'01	3♌33	27°43	26°13	5°20	28°41	21°57	6°53	7°23	28° 5	23°13	23°59	25°37	23° 7	W30
T 31	22 37 49	7♎54'59	16♌43	29♌40	27♏22	5♏59	28♏52	22♏ 4	6♏57	7♎24	28♏ 5	23♎12	23♎56	25♏44	23°Y 5	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	17n58	7n34	3n36	15n42	4s30	20n30	2s48	23n11	0n47	8s24	1n 9	16n14	0n56	19n31	0n34	12s10
W 2	17 43	11 40	2 43	15 57	4 20	20 35	2 45	23 7	0 48	8 27	1 9	16 12	0 56	19 30	0 34	12 10
T 3	17 27	15 19	1 41	16 12	4 9	20 40	2 42	23 2	0 48	8 30	1 9	16 9	0 56	19 29	0 34	12 11
F 4	17 11	18 15	0 32	16 27	3 56	20 45	2 39	22 57	0 49	8 33	1 9	16 7	0 56	19 28	0 34	12 11
S 5	16 55	20 14	0s41	16 42	3 42	20 49	2 36	22 52	0 49	8 36	1 9	16 5	0 56	19 27	0 34	12 11
S 6	16 39	21 0	1 54	16 57	3 28	20 53	2 33	22 47	0 50	8 39	1 8	16 3	0 56	19 26	0 34	12 11
M 7	16 22	20 23	3 1	17 11	3 13	20 56	2 29	22 42	0 50	8 42	1 8	16 0	0 56	19 25	0 34	12 11
T 8	16 5	18 21	3 57	17 24	2 57	20 59	2 26	22 36	0 51	8 45	1 8	15 58	0 56	19 24	0 34	12 12
W 9	15 48	15 2	4 37	17 36	2 41	21 1	2 23	22 31	0 51	8 48	1 8	15 56	0 56	19 23	0 34	12 12
T 10	15 31	10 43	4 58	17 47	2 25	21 3	2 19	22 25	0 52	8 51	1 7	15 53	0 56	19 23	0 34	12 12
F 11	15 13	5 46	4 58	17 57	2 8	21 4	2 16	22 19	0 52	8 54	1 7	15 51	0 57	19 22	0 34	12 13
S 12	14 55	0 34	4 38	18 5	1 51	21 5	2 12	22 13	0 53	8 57	1 7	15 49	0 57	19 21	0 34	12 13
S 13	14 37	4s31	4 1	18 11	1 35	21 5	2 9	22 6	0 53	9 0	1 7	15 46	0 57	19 20	0 34	12 13
M14	14 19	9 12	3 10	18 16	1 18	21 5	2 5	22 0	0 54	9 4	1 7	15 44	0 57	19 19	0 34	12 14
T 15	14 0	13 16	2 11	18 18	1 2	21 4	2 1	21 53	0 54	9 7	1 6	15 41	0 57	19 18	0 34	12 14
W16	13 41	16 34	1 6	18 19	0 47	21 3	1 58	21 46	0 55	9 10	1 6	15 39	0 57	19 17	0 34	12 14
T 17	13 22	18 58	0 0	18 17	0 31	21 1	1 54	21 39	0 55	9 14	1 6	15 37	0 57	19 16	0 34	12 15
F 18	13 3	20 25	1n 4	18 12	0 17	20 59	1 50	21 32	0 56	9 17	1 6	15 34	0 57	19 16	0 34	12 15
S 19	12 43	20 55	2 4	18 5	0 2	20 56	1 46	21 25	0 56	9 21	1 6	15 32	0 57	19 15	0 34	12 15
S 20	12 24	20 27	2 58	17 55	0n11	20 53	1 43	21 17	0 57	9 24	1 5	15 30	0 57	19 14	0 34	12 16
M21	12 4	19 5	3 44	17 42	0 24	20 49	1 39	21 10	0 57	9 28	1 5	15 27	0 57	19 13	0 34	12 16
T 22	11 44	16 54	4 21	17 27	0 35	20 45	1 35	21 2	0 58	9 31	1 5	15 25	0 57	19 12	0 34	12 16
W23	11 24	14 0	4 46	17 8	0 46	20 40	1 31	20 54	0 58	9 35	1 5	15 23	0 58	19 11	0 34	12 17
T 24	11 3	10 31	4 59	16 47	0 56	20 35	1 27	20 46	0 59	9 38	1 5	15 20	0 58	19 10	0 34	12 17
F 25	10 43	6 35	4 58	16 23	1 6	20 29	1 23	20 38	0 59	9 42	1 5	15 18	0 58	19 10	0 34	12 18
S 26	10 22	2 20	4 44	15 57	1 14	20 22	1 19	20 30	1 0	9 46	1 4	15 16	0 58	19 9	0 34	12 18
S 27	10 1	2n 3	4 16	15 28	1 21	20 15	1 16	20 21	1 0	9 49	1 4	15 13	0 58	19 8	0 34	12 19
M28	9 40	6 25	3 35	14 56	1 27	20 8	1 12	20 13	1 1	9 53	1 4	15 11	0 58	19 7	0 34	12 19
T 29	9 19	10 34	2 43	14 23	1 33	19 59	1 8	20 4	1 1	9 57	1 4	15 8	0 58	19 6	0 34	12 19
W30	8 57	14 17	1 42	13 47	1 37	19 51	1 4	19 55	1 2	10 0	1 4	15 6	0 58	19 5	0 34	12 20
T 31	8n36	17n22	0n34	13n 9	1n41	19n41	1s 0	19n46	1n 2	10s 4	1n 4	15n 4	0n58	19n 5	0n34	12s20

Julian Day Number = 2497047.5, Delta T = 105.82 sec
Ecliptic obliquity = 23°25'18, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 26°28'52, Lahiri = 25°35'52

ASTRODIENST EPHEMERIS for the year 2124

geocentric

SEPTEMBER 2124

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	22 41 45	8 ^m 52'58	0 ^h 11' 8	1 ^m 38	28 ^s 30	6 ^h 37	29 ^m 2	22 ^h 12	7 ^h 0	7 ^m 26	28 ^R 5	23 ^D 11	23 ^M 53	25 ^S 50	23 ^R 4	F 1
S 2	22 45 42	9°51'00	13°52	3°36	29°39	7°15	29°12	22°19	7° 3	7°27	28 ^R 5	23 ^R 12	23°50	25°57	23 ^V 2	S 2
S 3	22 49 38	10°49'03	27°54	5°34	0 ^h 48	7°54	29°23	22°27	7° 6	7°28	28° 5	23 ^M 11	23°47	26° 4	23° 0	S 3
M 4	22 53 35	11°47'08	12 ^s 15	7°32	1°57	8°32	29°33	22°34	7°10	7°30	28° 5	23° 7	23°43	26°10	22°58	M 4
T 5	22 57 32	12°45'15	26°53	9°30	3° 6	9°10	29°44	22°41	7°13	7°31	28° 5	23° 2	23°40	26°17	22°56	T 5
W 6	23 1 128	13°43'25	11 ^h 42	11°26	4°16	9°48	29°55	22°49	7°16	7°33	28° 5	22°54	23°37	26°24	22°54	W 6
T 7	23 5 25	14°41'35	26°35	13°22	5°25	10°26	0 ^h 6	22°56	7°19	7°34	28° 4	22°44	23°34	26°31	22°52	T 7
F 8	23 9 21	15°39'48	11 ^m 24	15°18	6°35	11° 4	0°17	23° 3	7°22	7°36	28° 4	22°34	23°31	26°37	22°50	F 8
S 9	23 13 18	16°38'02	26° 0	17°12	7°45	11°42	0°28	23°11	7°25	7°37	28° 4	22°25	23°27	26°44	22°48	S 9
S 10	23 17 14	17°36'19	10 ^h 16	19° 5	8°54	12°20	0°39	23°18	7°28	7°39	28° 4	22°17	23°24	26°51	22°46	S 10
M 11	23 21 11	18°34'36	24° 7	20°57	10° 4	12°58	0°50	23°25	7°31	7°40	28° 3	22°11	23°21	26°57	22°44	M 11
T 12	23 25 7	19°32'56	7 ^m 31	22°49	11°14	13°36	1° 1	23°32	7°34	7°42	28° 3	22° 8	23°18	27° 4	22°41	T 12
W 13	23 29 4	20°31'17	20°29	24°39	12°25	14°14	1°12	23°40	7°37	7°44	28° 3	22°D 7	23°15	27°11	22°39	W 13
T 14	23 33 0	21°29'39	3 ^m 4	26°28	13°35	14°52	1°24	23°47	7°40	7°45	28° 2	22° 7	23°12	27°17	22°37	T 14
F 15	23 36 57	22°28'04	15°21	28°16	14°45	15°30	1°35	23°54	7°43	7°47	28° 2	22° 8	23° 8	27°24	22°35	F 15
S 16	23 40 54	23°26'29	27°24	0 ^h 2	15°56	16° 7	1°47	24° 1	7°46	7°49	28° 2	22°R 8	23° 5	27°31	22°32	S 16
S 17	23 44 50	24°24'57	9 ^s 18	1°48	17° 7	16°45	1°58	24° 8	7°49	7°50	28° 1	22° 7	23° 2	27°38	22°30	S 17
M 18	23 48 47	25°23'26	21° 9	3°33	18°17	17°22	2°10	24°15	7°52	7°52	28° 1	22° 3	22°59	27°44	22°28	M 18
T 19	23 52 43	26°21'56	3 ^h 2	5°16	19°28	18° 0	2°21	24°22	7°54	7°54	28° 0	21°58	22°56	27°51	22°25	T 19
W 20	23 56 40	27°20'28	14°59	6°59	20°39	18°38	2°33	24°29	7°57	7°56	28° 0	21°50	22°53	27°58	22°23	W 20
T 21	0 0 36	28°19'02	27° 5	8°40	21°50	19°15	2°45	24°36	8° 0	7°58	27°59	21°41	22°49	28° 4	22°20	T 21
F 22	0 4 33	29°17'38	9 ^h 21	10°21	23° 1	19°52	2°57	24°42	8° 2	7°59	27°59	21°31	22°46	28°11	22°18	F 22
S 23	0 8 29	0 ^h 16'16	21°48	12° 0	24°12	20°30	3° 9	24°49	8° 5	8° 1	27°58	21°22	22°43	28°18	22°15	S 23
S 24	0 12 26	1°14'55	4 ^h 28	13°39	25°24	21° 7	3°21	24°56	8° 7	8° 3	27°58	21°13	22°40	28°25	22°13	S 24
M 25	0 16 23	2°13'37	17°20	15°16	26°35	21°44	3°33	25° 3	8°10	8° 5	27°57	21° 7	22°37	28°31	22°10	M 25
T 26	0 20 19	3°12'20	0 ^h 24	16°52	27°47	22°22	3°45	25° 9	8°12	8° 7	27°57	21° 3	22°33	28°38	22° 8	T 26
W 27	0 24 16	4°11'06	13°39	18°28	28°58	22°59	3°57	25°16	8°15	8° 9	27°56	21° 1	22°30	28°45	22° 5	W 27
T 28	0 28 12	5° 9'53	27° 6	20° 3	0 ^h 10	23°36	4° 9	25°22	8°17	8°11	27°55	21°D 1	22°27	28°51	22° 2	T 28
F 29	0 32 9	6° 8'44	10 ^h 44	21°36	1°22	24°13	4°21	25°29	8°20	8°13	27°55	21° 2	22°24	28°58	22° 0	F 29
S 30	0 36 5	7 ^h 36	24 ^h 33	23 ^h 9	2 ^h 34	24 ^h 50	4 ^h 33	25 ^h 35	8 ^h 22	8 ^h 15	27 ^h 54	21 ^h 3	22 ^h 21	29 ^h 5	21 ^h 57	S 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	8n14	19n34	0s37	12n30	1n43	19n32	0s56	19n37	1n 3	10s 8	1n 3	15n 1	0n58	19n 4	0n34	12s21	1n43	5n48	14s15	18s33	18s44	16s30	10n 6	1n14			
S 2	7 52	20 40	1 47	11 49	1 45	19 21	0 52	19 28	1 3	10 12	1 3	14 59	0 59	19 3	0 34	12 21	1 43	5 48	14 15	18 33	18 43	16 28	10 5	1 13			
S 3	7 30	20 31	2 53	11 7	1 46	19 11	0 48	19 18	1 4	10 16	1 3	14 57	0 59	19 2	0 34	12 22	1 43	5 48	14 15	18 33	18 42	16 26	10 4	1 13			
M 4	7 8	19 3	3 49	10 23	1 47	18 59	0 45	19 9	1 4	10 20	1 3	14 54	0 59	19 1	0 34	12 22	1 43	5 48	14 16	18 32	18 41	16 25	10 4	1 13			
T 5	6 46	16 19	4 32	9 39	1 46	18 47	0 41	18 59	1 5	10 24	1 3	14 52	0 59	19 1	0 34	12 23	1 43	5 47	14 16	18 31	18 41	16 23	10 3	1 13			
W 6	6 24	12 31	4 57	8 54	1 45	18 35	0 37	18 50	1 5	10 27	1 3	14 50	0 59	19 0	0 35	12 23	1 43	5 47	14 16	18 29	18 40	16 22	10 2	1 13			
T 7	6 1	7 55	5 2	8 8	1 44	18 22	0 33	18 40	1 6	10 31	1 2	14 48	0 59	18 59	0 35	12 24	1 43	5 47	14 16	18 27	18 39	16 20	10 1	1 13			
F 8	5 39	2 52	4 46	7 21	1 42	18 8	0 29	18 30	1 6	10 35	1 2	14 45	0 59	18 58	0 35	12 24	1 43	5 46	14 17	18 24	18 38	16 18	10 0	1 13			
S 9	5 16	2s17	4 13	6 34	1 39	17 54	0 26	18 20	1 7	10 39	1 2	14 43	0 59	18 58	0 35	12 25	1 43	5 46	14 17	18 22	18 37	16 17	10 0	1 13			
S 10	4 54	7 11	3 24	5 47	1 36	17 40	0 22	18 10	1 7	10 43	1 2	14 41	0 59	18 57	0 35	12 26	1 43	5 46	14 17	18 20	18 37	16 15	9 59	1 13			
M11	4 31	11 34	2 24	4 59	1 32	17 25	0 18	17 59	1 8	10 47	1 2	14 38	1 0	18 56	0 35	12 26	1 43	5 46	14 17	18 18	18 36	16 13	9 58	1 13			
T 12	4 8	15 13	1 17	4 12	1 28	17 9	0 15	17 49	1 8	10 51	1 2	14 36	1 0	18 55	0 35	12 27	1 43	5 45	14 18	18 17	18 35	16 12	9 57	1 13			
W13	3 45	18 0	0 9	3 24	1 23	16 54	0 11	17 38	1 8	10 55	1 2	14 34	1 0	18 55	0 35	12 27	1 43	5 45	14 18	18 17	18 34	16 10	9 56	1 13			
T 14	3 22	19 48	0n58	2 36	1 19	16 37	0 7	17 28	1 9	10 59	1 1	14 32	1 0	18 54	0 35	12 28	1 43	5 45	14 18	18 17	18 33	16 8	9 55	1 13			
F 15	2 59	20 37	2 1	1 49	1 13	16 20	0 4	17 17	1 9	11 4	1 1	14 29	1 0	18 53	0 35	12 28	1 43	5 44	14 18	18 17	18 33	16 7	9 55	1 13			
S 16	2 36	20 27	2 57	1 1	1 8	16 3	0 0	17 6	1 10	11 8	1 1	14 27	1 0	18 52	0 35	12 29	1 43	5 44	14 19	18 17	18 32	16 5	9 54	1 13			
S 17	2 13	19 21	3 45	0 14	1 2	15 45	0n 3	16 55	1 10	11 12	1 1	14 25	1 0	18 52	0 35	12 30	1 43	5 44	14 19	18 17	18 31	16 4	9 53	1 13			
M18	1 50	17 26	4 23	0s33	0 56	15 27	0 7	16 44	1 11	11 16	1 1	14 23	1 0	18 51	0 35	12 30	1 43	5 43	14 19	18 16	18 30	16 2	9 52	1 13			
T 19	1 27	14 46	4 49	1 19	0 50	15 8	0 10	16 33	1 11	11 20	1 1	14 21	1 1	18 50	0 35	12 31	1 43	5 43	14 19	18 15	18 29	16 0	9 51	1 13			
W20	1 3	11 29	5 3	2 6	0 44	14 49	0 14	16 22	1 12	11 24	1 1	14 18	1 1	18 50	0 35	12 31	1 43	5 43	14 20	18 13	18 29	15 59	9 50	1 13			
T 21	0 40	7 42	5 4	2 52	0 37	14 29	0 17	16 11	1 12	11 28	1 0	14 16	1 1	18 49	0 35	12 32	1 43	5 42	14 20	18 10	18 28	15 57	9 49	1 13			
F 22	0 17	3 34	4 51	3 37	0 31	14 9	0 20	16 0	1 13	11 32	1 0	14 14	1 1	18 48	0 35	12 33	1 43	5 42	14 20	18 8	18 27	15 55	9 48	1 13			
S 23	0s 6	0n48	4 24	4 22	0 24	13 49	0 23	15 48	1 13	11 37	1 0	14 12	1 1	18 48	0 35	12 33	1 43	5 42	14 20	18 5	18 26	15 54	9 47	1 13			
S 24	0 30	5 12	3 44	5 7	0 17	13 28	0 27	15 37	1 14	11 41	1 0	14 10	1 1	18 47	0 35	12 34	1 43	5 41	14 21	18 3	18 25	15 52	9 46	1 13			
M25	0 53	9 26	2 51	5 51	0 10	13 7	0 30	15 25	1 14	11 45	1 0	14 8	1 1	18 47	0 35	12 34	1 43	5 41	14 21	18 1	18 25	15 50	9 45	1 13			
T 26	1 16	13 18	1 49	6 35	0 3	12 45	0 33	15 13	1 14	11 49	1 0	14 6	1 2	18 46	0 35	12 35	1 43	5 41	14 21	18 0	18 24	15 49	9 44	1 13			
W27	1 40	16 33	0 40	7 18	0s 4	12 23	0 36	15 2	1 15	11 53	1 0	14 4	1 2	18 45	0 35	12 36	1 42	5 40	14 21	18 0	18 23	15 47	9 43	1 12			
T 28	2 3	18 58	0s33	8 1	0 12	12 0	0 39	14 50	1 15	11 57	1 0	14 2	1 2	18 45	0 35	12 36	1 42	5 40	14 21	18 0	18 22	15 45	9 42	1 12			
F 29	2 26	20 19	1 45	8 42	0 19	11 38	0 42	14 38	1 16	12 2	1 0	13 59	1 2	18 44	0 35	12 37	1 42	5 40	14 22	18 0	18 21	15 44	9 41	1 12			
S 30	2s50	20n27	2s51	9s24	0s26	11n15	0n44	14n26	1n16	12s 6	0n59	13n57	1n 2	18n44	0n35	12s38	1n42	5n39	14s22	18s 0	18s21	15s42	9n40	1n12			

ASTRODIENST EPHEMERIS for the year 2124

geocentric

OCTOBER 2124

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 40 2	8♌ 6'31	8♌33	24♌41	3♍46	25♌27	4♍46	25♌42	8♌24	8♍17	27°R54	21°R 3	22♍18	29♌12	21°R54	S 1
M 2	0 43 58	9° 5'28	22°44	26°12	4°58	26° 4	4°58	25°48	8°27	8°19	27♌53	21♍ 3	22°14	29°18	21°Y52	M 2
T 3	0 47 55	10° 4'27	7♌ 4	27°42	6°10	26°41	5°11	25°54	8°29	8°21	27°52	21° 0	22°11	29°25	21°49	T 3
W 4	0 51 52	11° 3'29	21°30	29°11	7°22	27°18	5°23	26° 0	8°31	8°23	27°51	20°56	22° 8	29°32	21°46	W 4
T 5	0 55 48	12° 2'32	5♍57	0♍40	8°35	27°55	5°35	26° 6	8°33	8°25	27°51	20°50	22° 5	29°38	21°44	T 5
F 6	0 59 45	13° 1'38	20°20	2° 7	9°47	28°32	5°48	26°13	8°35	8°27	27°50	20°44	22° 2	29°45	21°41	F 6
S 7	1 3 41	14° 0'46	4♌33	3°34	11° 0	29° 9	6° 1	26°19	8°37	8°29	27°49	20°38	21°58	29°52	21°38	S 7
S 8	1 7 38	14°59'57	18°31	4°59	12°12	29°45	6°13	26°25	8°39	8°31	27°48	20°34	21°55	29°58	21°35	S 8
M 9	1 11 34	15°59'09	2♍ 9	6°24	13°25	0♍22	6°26	26°30	8°41	8°33	27°48	20°31	21°52	0♌ 5	21°33	M 9
T 10	1 15 31	16°58'23	15°26	7°48	14°38	0°59	6°39	26°36	8°43	8°35	27°47	20°D29	21°49	0°12	21°30	T 10
W11	1 19 27	17°57'39	28°21	9°11	15°51	1°35	6°51	26°42	8°45	8°37	27°46	20°29	21°46	0°19	21°27	W11
T 12	1 23 24	18°56'57	10♌56	10°32	17° 4	2°12	7° 4	26°48	8°46	8°39	27°45	20°31	21°43	0°25	21°24	T 12
F 13	1 27 21	19°56'17	23°14	11°53	18°17	2°48	7°17	26°53	8°48	8°42	27°44	20°32	21°39	0°32	21°21	F 13
S 14	1 31 17	20°55'39	5♌19	13°12	19°30	3°24	7°30	26°59	8°50	8°44	27°44	20°34	21°36	0°39	21°19	S 14
S 15	1 35 14	21°55'02	17°15	14°30	20°43	4° 1	7°42	27° 5	8°52	8°46	27°43	20°R35	21°33	0°45	21°16	S 15
M16	1 39 10	22°54'28	29° 7	15°47	21°56	4°37	7°55	27°10	8°53	8°48	27°42	20°35	21°30	0°52	21°13	M16
T 17	1 43 7	23°53'55	11♌ 1	17° 3	23° 9	5°13	8° 8	27°15	8°55	8°50	27°41	20°34	21°27	0°59	21°10	T 17
W18	1 47 3	24°53'23	23° 0	18°17	24°22	5°49	8°21	27°21	8°56	8°52	27°40	20°31	21°24	1° 6	21° 8	W18
T 19	1 51 0	25°52'54	5♍ 9	19°30	25°36	6°26	8°34	27°26	8°58	8°55	27°39	20°28	21°20	1°12	21° 5	T 19
F 20	1 54 56	26°52'26	17°30	20°41	26°49	7° 2	8°47	27°31	8°59	8°57	27°38	20°24	21°17	1°19	21° 2	F 20
S 21	1 58 53	27°52'00	0♍ 8	21°50	28° 3	7°38	9° 0	27°36	9° 0	8°59	27°37	20°20	21°14	1°26	20°59	S 21
S 22	2 2 49	28°51'36	13° 2	22°57	29°16	8°14	9°13	27°41	9° 2	9° 1	27°36	20°17	21°11	1°32	20°56	S 22
M23	2 6 46	29°51'14	26°13	24° 2	0♌30	8°49	9°26	27°46	9° 3	9° 3	27°35	20°14	21° 8	1°39	20°54	M23
T 24	2 10 43	0♍50'54	9♌40	25° 4	1°44	9°25	9°39	27°51	9° 4	9° 6	27°34	20°13	21° 4	1°46	20°51	T 24
W25	2 14 39	1°50'36	23°20	26° 4	2°57	10° 1	9°52	27°55	9° 5	9° 8	27°33	20°D13	21° 1	1°53	20°48	W25
T 26	2 18 36	2°50'20	7♍13	27° 1	4°11	10°37	10° 5	28° 0	9° 6	9°10	27°32	20°13	20°58	1°59	20°46	T 26
F 27	2 22 32	3°50'06	21°14	27°54	5°25	11°13	10°18	28° 5	9° 7	9°12	27°31	20°15	20°55	2° 6	20°43	F 27
S 28	2 26 29	4°49'54	5♌22	28°44	6°39	11°48	10°31	28° 9	9° 8	9°15	27°30	20°16	20°52	2°13	20°40	S 28
S 29	2 30 25	5°49'45	19°33	29°30	7°53	12°24	10°44	28°14	9° 9	9°17	27°29	20°17	20°49	2°19	20°38	S 29
M30	2 34 22	6°49'38	3♌46	0♌12	9° 7	12°59	10°58	28°18	9°10	9°19	27°28	20°R17	20°45	2°26	20°35	M30
T 31	2 38 18	7♍49'33	17♌57	0♌49	10♌21	13♍35	11♍11	28♌22	9♌11	9♍21	27♌27	20♍17	20♍42	2♌33	20°Y32	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	3s13	19n20	3s49	10s 4	0s33	10n51	0n47	14n14	1n17	12s10	0n59	13n55	1n 2	18n43	0n35	12s38	1n42
M 2	3 36	17 1	4 33	10 45	0 41	10 27	0 50	14 2	1 17	12 14	0 59	13 53	1 2	18 42	0 35	12 39	1 42
T 3	3 59	13 38	5 1	11 24	0 48	10 3	0 53	13 50	1 18	12 19	0 59	13 51	1 3	18 42	0 35	12 40	1 42
W 4	4 22	9 26	5 10	12 3	0 55	9 39	0 55	13 37	1 18	12 23	0 59	13 49	1 3	18 41	0 35	12 40	1 42
T 5	4 45	4 41	4 59	12 40	1 3	9 14	0 58	13 25	1 19	12 27	0 59	13 48	1 3	18 41	0 35	12 41	1 42
F 6	5 8	0s19	4 30	13 18	1 10	8 49	1 0	13 13	1 19	12 31	0 59	13 46	1 3	18 40	0 35	12 42	1 42
S 7	5 31	5 14	3 44	13 54	1 17	8 24	1 2	13 0	1 19	12 35	0 59	13 44	1 3	18 40	0 35	12 42	1 42
S 8	5 54	9 48	2 45	14 30	1 24	7 58	1 5	12 48	1 20	12 40	0 59	13 42	1 3	18 39	0 35	12 43	1 42
M 9	6 17	13 45	1 38	15 4	1 31	7 33	1 7	12 35	1 20	12 44	0 59	13 40	1 4	18 39	0 36	12 44	1 42
T 10	6 40	16 53	0 28	15 38	1 38	7 7	1 9	12 23	1 21	12 48	0 58	13 38	1 4	18 38	0 36	12 44	1 42
W11	7 2	19 5	0n43	16 12	1 44	6 40	1 11	12 10	1 21	12 52	0 58	13 36	1 4	18 38	0 36	12 45	1 42
T 12	7 25	20 16	1 50	16 44	1 51	6 14	1 13	11 57	1 22	12 57	0 58	13 35	1 4	18 38	0 36	12 46	1 42
F 13	7 47	20 25	2 50	17 15	1 58	5 47	1 15	11 45	1 22	13 1	0 58	13 33	1 4	18 37	0 36	12 47	1 42
S 14	8 10	19 38	3 41	17 45	2 4	5 20	1 17	11 32	1 23	13 5	0 58	13 31	1 4	18 37	0 36	12 47	1 42
S 15	8 32	17 58	4 22	18 15	2 10	4 53	1 19	11 19	1 23	13 9	0 58	13 29	1 5	18 36	0 36	12 48	1 42
M16	8 54	15 33	4 52	18 43	2 16	4 26	1 21	11 6	1 23	13 14	0 58	13 28	1 5	18 36	0 36	12 49	1 42
T 17	9 16	12 29	5 9	19 10	2 21	3 59	1 22	10 54	1 24	13 18	0 58	13 26	1 5	18 36	0 36	12 49	1 42
W18	9 38	8 54	5 14	19 37	2 27	3 31	1 24	10 41	1 24	13 22	0 58	13 24	1 5	18 35	0 36	12 50	1 42
T 19	10 0	4 54	5 4	20 2	2 32	3 3	1 26	10 28	1 25	13 26	0 58	13 23	1 5	18 35	0 36	12 51	1 42
F 20	10 21	0 38	4 40	20 25	2 37	2 36	1 27	10 15	1 25	13 30	0 58	13 21	1 5	18 35	0 36	12 51	1 42
S 21	10 42	3n45	4 2	20 48	2 41	2 8	1 28	10 2	1 26	13 35	0 58	13 19	1 6	18 34	0 36	12 52	1 42
S 22	11 4	8 4	3 11	21 9	2 45	1 40	1 30	9 49	1 26	13 39	0 57	13 18	1 6	18 34	0 36	12 53	1 42
M23	11 25	12 6	2 9	21 30	2 49	1 11	1 31	9 36	1 27	13 43	0 57	13 16	1 6	18 34	0 36	12 54	1 42
T 24	11 46	15 37	0 58	21 48	2 52	0 43	1 32	9 22	1 27	13 47	0 57	13 15	1 6	18 33	0 36	12 54	1 42
W25	12 6	18 19	0s17	22 5	2 55	0 15	1 33	9 9	1 27	13 51	0 57	13 13	1 6	18 33	0 36	12 55	1 42
T 26	12 27	19 59	1 33	22 21	2 57	0s14	1 34	8 56	1 28	13 55	0 57	13 12	1 6	18 33	0 36	12 56	1 42
F 27	12 47	20 25	2 43	22 35	2 59	0 42	1 35	8 43	1 28	14 0	0 57	13 11	1 7	18 33	0 36	12 56	1 42
S 28	13 7	19 35	3 44	22 47	3 0	1 10	1 36	8 30	1 29	14 4	0 57	13 9	1 7	18 32	0 36	12 57	1 42
S 29	13 27	17 30	4 32	22 58	3 0	1 39	1 36	8 17	1 29	14 8	0 57	13 8	1 7	18 32	0 36	12 58	1 42
M30	13 47	14 23	5 3	23 6	3 0	2 7	1 37	8 4	1 30	14 12	0 57	13 6	1 7	18 32	0 36	12 59	1 42
T 31	14s 7	10n25	5s16	23s13	2s59	2s36	1n38	7n50	1n30	14s16	0n57	13n 5	1n 7	18n32	0n36	12s59	1n42

Julian Day Number = 2497108.5, Delta T = 105.92 sec
 Ecliptic obliquity = 23°25'18, Nutation = 0°00'13, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 26°29'00, Lahiri = 25°36'00

ASTRODIENST EPHEMERIS for the year 2124
geocentric

NOVEMBER 2124

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	2 42 15	8♉49°30	2♊ 5	1♊20	11♊35	14♊10	11♉24	28♉26	9♉12	9♉24	27°R26	20°R16	20♉39	2♊40	20°R30	W 1
T 2	2 46 12	9°49'30	16° 8	1°45	12°49	14°45	11°37	28°30	9°12	9°26	27♉25	20♉15	20°36	2°46	20°Y27	T 2
F 3	2 50 8	10°49'31	0♈ 2	2° 4	14° 3	15°21	11°50	28°34	9°13	9°28	27°24	20°14	20°33	2°53	20°24	F 3
S 4	2 54 5	11°49'35	13°46	2°15	15°18	15°56	12° 3	28°38	9°14	9°30	27°23	20°13	20°30	3° 0	20°22	S 4
S 5	2 58 1	12°49'40	27°17	2°R19	16°32	16°31	12°16	28°42	9°14	9°33	27°22	20°12	20°26	3° 6	20°19	S 5
M 6	3 1 58	13°49'48	10♉34	2°14	17°46	17° 6	12°30	28°46	9°15	9°35	27°21	20°12	20°23	3°13	20°17	M 6
T 7	3 5 54	14°49'57	23°35	2° 0	19° 1	17°41	12°43	28°49	9°15	9°37	27°20	20°D12	20°20	3°20	20°14	T 7
W 8	3 9 51	15°50'09	6♊20	1°36	20°15	18°16	12°56	28°53	9°15	9°39	27°18	20°12	20°17	3°27	20°12	W 8
T 9	3 13 47	16°50'22	18°49	1° 3	21°30	18°51	13° 9	28°56	9°16	9°42	27°17	20°12	20°14	3°33	20° 9	T 9
F 10	3 17 44	17°50'36	1♊ 5	0°20	22°44	19°26	13°22	29° 0	9°16	9°44	27°16	20°12	20°10	3°40	20° 7	F 10
S 11	3 21 41	18°50'52	13° 9	29♉27	23°59	20° 0	13°35	29° 3	9°16	9°46	27°15	20°13	20° 7	3°47	20° 5	S 11
S 12	3 25 37	19°51'10	25° 5	28°26	25°13	20°35	13°48	29° 6	9°16	9°48	27°14	20°R13	20° 4	3°54	20° 2	S 12
M13	3 29 34	20°51'29	6♊58	27°17	26°28	21°10	14° 2	29° 9	9°17	9°50	27°13	20°13	20° 1	4° 0	20° 0	M13
T 14	3 33 30	21°51'50	18°50	26° 2	27°42	21°44	14°15	29°12	9°R17	9°53	27°12	20°D13	19°58	4° 7	19°58	T 14
W15	3 37 27	22°52'12	0♈48	24°43	28°57	22°19	14°28	29°15	9°17	9°55	27°11	20°13	19°55	4°14	19°56	W15
T 16	3 41 23	23°52'35	12°56	23°22	0♉12	22°53	14°41	29°17	9°16	9°57	27°10	20°13	19°51	4°20	19°53	T 16
F 17	3 45 20	24°52'59	25°17	22° 3	1°27	23°27	14°54	29°20	9°16	9°59	27° 8	20°13	19°48	4°27	19°51	F 17
S 18	3 49 16	25°53'25	7♊57	20°47	2°41	24° 1	15° 7	29°23	9°16	10° 1	27° 7	20°14	19°45	4°34	19°49	S 18
S 19	3 53 13	26°53'53	20°58	19°38	3°56	24°36	15°20	29°25	9°16	10° 4	27° 6	20°14	19°42	4°41	19°47	S 19
M20	3 57 10	27°54'22	4♊20	18°37	5°11	25°10	15°33	29°27	9°16	10° 6	27° 5	20°15	19°39	4°47	19°45	M20
T 21	4 1 6	28°54'52	18° 5	17°45	6°26	25°44	15°46	29°29	9°15	10° 8	27° 4	20°R15	19°35	4°54	19°43	T 21
W22	4 5 3	29°55'24	2♉10	17° 5	7°41	26°17	15°59	29°32	9°15	10°10	27° 3	20°15	19°32	5° 1	19°41	W22
T 23	4 8 59	0♈55'57	16°31	16°36	8°56	26°51	16°12	29°34	9°14	10°12	27° 2	20°14	19°29	5° 7	19°39	T 23
F 24	4 12 56	1°56'32	1♊ 2	16°19	10°10	27°25	16°25	29°35	9°14	10°14	27° 1	20°13	19°26	5°14	19°37	F 24
S 25	4 16 52	2°57'08	15°38	16°D14	11°25	27°59	16°38	29°37	9°13	10°16	26°59	20°12	19°23	5°21	19°35	S 25
S 26	4 20 49	3°57'46	0♉12	16°19	12°40	28°32	16°51	29°39	9°13	10°19	26°58	20°10	19°20	5°28	19°33	S 26
M27	4 24 45	4°58'26	14°39	16°35	13°55	29° 6	17° 4	29°40	9°12	10°21	26°57	20° 9	19°16	5°34	19°32	M27
T 28	4 28 42	5°59'07	28°56	16°59	15°10	29°39	17°16	29°42	9°11	10°23	26°56	20° 8	19°13	5°41	19°30	T 28
W29	4 32 39	6°59'50	12♊58	17°33	16°26	0♈12	17°29	29°43	9°11	10°25	26°55	20°D 8	19°10	5°48	19°28	W29
T 30	4 36 35	8♊ 0'35	26♊46	18♉14	17♉41	0♈45	17♉42	29♉44	9♉10	10♉27	26♉54	20♉ 9	19♉ 7	5♊54	19°Y27	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	14s26	5n54	5s10	23s17	2s56	3s 4	1n38	7n37	1n31	14s20	0n57	13n 4	1n 8	18n32	0n36	13s 0	1n42	5n29	14s26	17s48	17s54	14s47	9n 5	1n10	
T 2	14 45	1 5	4 45	23 19	2 53	3 33	1 38	7 24	1 31	14 24	0 57	13 3	1 8	18 32	0 36	13 1	1 42	5 29	14 26	17 48	17 53	14 45	9 4	1 10	
F 3	15 4	3s44	4 3	23 19	2 49	4 1	1 39	7 11	1 31	14 28	0 57	13 1	1 8	18 31	0 36	13 1	1 42	5 29	14 27	17 47	17 52	14 43	9 3	1 10	
S 4	15 22	8 19	3 8	23 15	2 43	4 30	1 39	6 57	1 32	14 32	0 57	13 0	1 8	18 31	0 37	13 2	1 42	5 28	14 27	17 47	17 52	14 42	9 1	1 10	
S 5	15 41	12 25	2 4	23 9	2 36	4 58	1 39	6 44	1 32	14 36	0 57	12 59	1 8	18 31	0 37	13 3	1 42	5 28	14 27	17 47	17 51	14 40	9 0	1 9	
M 6	15 59	15 49	0 53	23 0	2 27	5 26	1 39	6 31	1 33	14 40	0 57	12 58	1 9	18 31	0 37	13 3	1 42	5 28	14 27	17 47	17 50	14 38	8 59	1 9	
T 7	16 16	18 21	0n19	22 47	2 17	5 54	1 39	6 18	1 33	14 45	0 57	12 57	1 9	18 31	0 37	13 4	1 42	5 27	14 27	17 47	17 49	14 36	8 58	1 9	
W 8	16 34	19 54	1 28	22 31	2 6	6 22	1 39	6 4	1 34	14 49	0 57	12 56	1 9	18 31	0 37	13 5	1 42	5 27	14 27	17 47	17 48	14 35	8 57	1 9	
T 9	16 51	20 25	2 32	22 11	1 52	6 50	1 39	5 51	1 34	14 52	0 57	12 55	1 9	18 31	0 37	13 6	1 42	5 27	14 27	17 47	17 47	14 33	8 56	1 9	
F 10	17 8	19 57	3 28	21 48	1 37	7 18	1 39	5 38	1 34	14 56	0 57	12 54	1 9	18 31	0 37	13 6	1 42	5 27	14 27	17 47	17 46	14 31	8 55	1 9	
S 11	17 25	18 34	4 13	21 20	1 21	7 46	1 39	5 25	1 35	15 0	0 57	12 53	1 10	18 31	0 37	13 7	1 42	5 26	14 27	17 47	17 46	14 29	8 54	1 9	
S 12	17 41	16 23	4 47	20 49	1 3	8 13	1 38	5 11	1 35	15 4	0 56	12 52	1 10	18 31	0 37	13 8	1 42	5 26	14 27	17 47	17 45	14 27	8 53	1 9	
M13	17 57	13 32	5 9	20 15	0 44	8 41	1 38	4 58	1 36	15 8	0 56	12 51	1 10	18 31	0 37	13 8	1 42	5 26	14 27	17 47	17 44	14 26	8 52	1 9	
T 14	18 13	10 8	5 17	19 38	0 24	9 8	1 37	4 45	1 36	15 12	0 56	12 50	1 10	18 31	0 37	13 9	1 42	5 26	14 27	17 47	17 43	14 24	8 51	1 8	
W15	18 29	6 19	5 12	18 59	0 3	9 35	1 37	4 32	1 37	15 16	0 56	12 50	1 10	18 31	0 37	13 10	1 42	5 25	14 27	17 47	17 42	14 22	8 50	1 8	
T 16	18 44	2 11	4 53	18 19	0n18	10 2	1 36	4 19	1 37	15 20	0 56	12 49	1 11	18 31	0 37	13 10	1 42	5 25	14 27	17 47	17 41	14 20	8 49	1 8	
F 17	18 58	2n 6	4 20	17 40	0 38	10 28	1 36	4 5	1 38	15 24	0 56	12 48	1 11	18 31	0 37	13 11	1 42	5 25	14 27	17 47	17 40	14 19	8 49	1 8	
S 18	19 13	6 25	3 34	17 1	0 57	10 55	1 35	3 52	1 38	15 28	0 56	12 47	1 11	18 31	0 37	13 12	1 42	5 25	14 27	17 47	17 40	14 17	8 48	1 8	
S 19	19 27	10 34	2 35	16 25	1 15	11 21	1 34	3 39	1 38	15 31	0 56	12 47	1 11	18 31	0 37	13 12	1 42	5 25	14 27	17 48	17 39	14 15	8 47	1 8	
M20	19 41	14 19	1 27	15 53	1 31	11 47	1 33	3 26	1 39	15 35	0 56	12 46	1 11	18 31	0 37	13 13	1 42	5 24	14 27	17 48	17 38	14 13	8 46	1 8	
T 21	19 54	17 24	0 12	15 25	1 46	12 12	1 32	3 13	1 39	15 39	0 56	12 46	1 12	18 31	0 37	13 14	1 42	5 24	14 27	17 48	17 37	14 11	8 45	1 8	
W22	20 7	19 31	1s 6	15 2	1 58	12 38	1 31	3 0	1 40	15 43	0 56	12 45	1 12	18 32	0 37	13 14	1 42	5 24	14 27	17 48	17 36	14 10	8 44	1 8	
T 23	20 20	20 25	2 20	14 44	2 8	13 3	1 30	2 47	1 40	15 46	0 56	12 45	1 12	18 32	0 37	13 15	1 42	5 24	14 27	17 48	17 35	14 8	8 43	1 7	
F 24	20 32	19 58	3 27	14 31	2 17	13 27	1 29	2 34	1 41	15 50	0 56	12 44	1 12	18 32	0 37	13 16	1 42	5 24	14 27	17 47	17 34	14 6	8 42	1 7	
S 25	20 44	18 11	4 21	14 24	2 23	13 52	1 27	2 21	1 41	15 54	0 56	12 44	1 13	18 32	0 37	13 16	1 42	5 23	14 27	17 47	17 34	14 4	8 42	1 7	
S 26	20 56	15 15	4 57	14 21	2 28	14 16	1 26	2 8	1 41	15 57	0 56	12 43	1 13	18 32	0 37	13 17	1 42	5 23	14 26	17 46	17 33	14 2	8 41	1 7	
M27	21 7	11 24	5 15	14 23	2 30	14 39	1 25	1 55	1 42	16 1	0 56	12 43	1 13	18 33	0 37	13 18	1 42	5 23	14 26	17 46	17 32	14 1	8 40	1 7	
T 28	21 17	6 57	5 12	14 28	2 32	15 3	1 23	1 42	1 42	16 5	0 56	12 43	1 13	18 33	0 37	13 18	1 42	5 23	14 26	17 46	17 31	13 59	8 39	1 7	
W29	21 28	2 12	4 51	14 38	2 32	15 26	1 22	1 29	1 43	16 8	0 56	12 42	1 13	18 33	0 38	13 19	1 42	5 23	14 26	17 46	17 30	13 57	8 39	1 7	
T 30	21s38	2s36	4s14	14s50	2n30	15s48	1n20	1n17	1n43	16s12	0n56	12n42	1n14	18n33	0n38	13s19	1n42	5n23	14s26	17s46	17s29	13s55	8n38	1n 7	

ASTRODIENST EPHEMERIS for the year 2124
geocentric

DECEMBER 2124

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	4 40 32	9♈ 1'21	10♏19	19♌ 2	18♍56	1♊19	17♌55	29♏46	9°R 9	10♌29	26°R53	20♌10	19♌ 4	6♋ 1	19°R25	F 1
S 2	4 44 28	10° 2'08	23°38	19°55	20°11	1°52	18° 7	29°47	9♏ 8	10°31	26♋52	20°11	19° 1	6° 8	19°Y23	S 2
S 3	4 48 25	11° 2'57	6♌43	20°54	21°26	2°25	18°20	29°47	9° 7	10°33	26°51	20°13	18°57	6°15	19°22	S 3
M 4	4 52 21	12° 3'48	19°36	21°58	22°41	2°57	18°33	29°48	9° 6	10°35	26°49	20°R13	18°54	6°21	19°21	M 4
T 5	4 56 18	13° 4'39	2♈17	23° 5	23°56	3°30	18°45	29°49	9° 5	10°37	26°48	20°13	18°51	6°28	19°19	T 5
W 6	5 0 14	14° 5'32	14°46	24°16	25°12	4° 3	18°58	29°50	9° 4	10°39	26°47	20°11	18°48	6°35	19°18	W 6
T 7	5 4 11	15° 6'26	27° 4	25°30	26°27	4°35	19°10	29°50	9° 3	10°41	26°46	20° 8	18°45	6°42	19°17	T 7
F 8	5 8 8	16° 7'21	9♊13	26°46	27°42	5° 8	19°23	29°50	9° 1	10°43	26°45	20° 3	18°41	6°48	19°15	F 8
S 9	5 12 4	17° 8'17	21°14	28° 5	28°57	5°40	19°35	29°51	9° 0	10°45	26°44	19°59	18°38	6°55	19°14	S 9
S 10	5 16 1	18° 9'14	3♋ 9	29°25	0♈12	6°12	19°48	29°R51	8°59	10°46	26°43	19°53	18°35	7° 2	19°13	S 10
M 11	5 19 57	19°10'11	15° 0	0♈47	1°28	6°44	20° 0	29°51	8°57	10°48	26°42	19°49	18°32	7° 8	19°12	M 11
T 12	5 23 54	20°11'09	26°52	2°10	2°43	7°16	20°12	29°50	8°56	10°50	26°41	19°45	18°29	7°15	19°11	T 12
W 13	5 27 50	21°12'08	8♈47	3°35	3°58	7°48	20°25	29°50	8°55	10°52	26°40	19°43	18°26	7°22	19°10	W 13
T 14	5 31 47	22°13'07	20°51	5° 0	5°14	8°19	20°37	29°50	8°53	10°54	26°39	19°D42	18°22	7°29	19° 9	T 14
F 15	5 35 43	23°14'07	3°Y 8	6°26	6°29	8°51	20°49	29°49	8°51	10°56	26°38	19°42	18°19	7°35	19° 8	F 15
S 16	5 39 40	24°15'08	15°43	7°54	7°44	9°22	21° 1	29°49	8°50	10°57	26°37	19°44	18°16	7°42	19° 7	S 16
S 17	5 43 37	25°16'08	28°40	9°21	8°59	9°54	21°13	29°48	8°48	10°59	26°36	19°45	18°13	7°49	19° 6	S 17
M 18	5 47 33	26°17'10	12♋ 3	10°50	10°15	10°25	21°25	29°47	8°47	11° 1	26°35	19°47	18°10	7°55	19° 6	M 18
T 19	5 51 30	27°18'12	25°53	12°19	11°30	10°56	21°37	29°47	8°45	11° 3	26°34	19°R47	18° 7	8° 2	19° 5	T 19
W 20	5 55 26	28°19'14	10♏10	13°48	12°45	11°27	21°49	29°46	8°43	11° 4	26°33	19°45	18° 3	8° 9	19° 5	W 20
T 21	5 59 23	29°20'17	24°50	15°18	14° 1	11°58	22° 0	29°44	8°41	11° 6	26°32	19°42	18° 0	8°16	19° 4	T 21
F 22	6 3 19	0♊21'21	9♏47	16°48	15°16	12°28	22°12	29°43	8°39	11° 7	26°31	19°36	17°57	8°22	19° 3	F 22
S 23	6 7 16	1°22'25	24°51	18°19	16°31	12°59	22°24	29°42	8°37	11° 9	26°30	19°30	17°54	8°29	19° 3	S 23
S 24	6 11 13	2°23'29	9♏52	19°50	17°47	13°29	22°35	29°40	8°36	11°11	26°30	19°23	17°51	8°36	19° 3	S 24
M 25	6 15 9	3°24'35	24°43	21°21	19° 2	14° 0	22°47	29°39	8°34	11°12	26°29	19°17	17°47	8°43	19° 2	M 25
T 26	6 19 6	4°25'41	9♏16	22°52	20°18	14°30	22°58	29°37	8°32	11°14	26°28	19°13	17°44	8°49	19° 2	T 26
W 27	6 23 2	5°26'47	23°27	24°24	21°33	15° 0	23°10	29°35	8°30	11°15	26°27	19°10	17°41	8°56	19° 2	W 27
T 28	6 26 59	6°27'54	7♏14	25°56	22°48	15°29	23°21	29°34	8°27	11°17	26°26	19°D 9	17°38	9° 3	19° 2	T 28
F 29	6 30 55	7°29'02	20°39	27°28	24° 4	15°59	23°32	29°32	8°25	11°18	26°25	19°10	17°35	9° 9	19° 2	F 29
S 30	6 34 52	8°30'11	3♏44	29° 1	25°19	16°29	23°43	29°30	8°23	11°20	26°25	19°11	17°32	9°16	19°D 2	S 30
S 31	6 38 48	9♊31'20	16♌32	0♊34	26♈35	16♏58	23♌54	29♏27	8♏21	11♌21	26♋24	19°R12	17♌28	9♋23	19°Y 2	S 31

Day	☉	☾		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	21s47	7s11	3s23	15s 5	2n28	16s10	1n19	1n 4	1n44	16s15	0n56	12n42	1n14	18n33	0n38	13s20	1n42	5n22	14s26	17s46	17s28	13s53	8n37	1n 6			
S 2	21 56	11 22	2 21	15 23	2 25	16 32	1 17	0 51	1 44	16 19	0 56	12 42	1 14	18 34	0 38	13 21	1 42	5 22	14 26	17 47	17 28	13 52	8 36	1 6			
S 3	22 5	14 55	1 14	15 42	2 21	16 53	1 16	0 39	1 45	16 22	0 56	12 42	1 14	18 34	0 38	13 21	1 42	5 22	14 26	17 47	17 27	13 50	8 36	1 6			
M 4	22 13	17 40	0 3	16 3	2 17	17 14	1 14	0 26	1 45	16 26	0 56	12 42	1 15	18 34	0 38	13 22	1 42	5 22	14 26	17 47	17 26	13 48	8 35	1 6			
T 5	22 21	19 31	1n 6	16 25	2 11	17 35	1 12	0 13	1 45	16 29	0 56	12 42	1 15	18 35	0 38	13 22	1 43	5 22	14 26	17 47	17 25	13 46	8 34	1 6			
W 6	22 28	20 23	2 11	16 48	2 6	17 55	1 10	0 1	1 46	16 33	0 56	12 42	1 15	18 35	0 38	13 23	1 43	5 22	14 26	17 47	17 24	13 44	8 34	1 6			
T 7	22 35	20 15	3 9	17 11	2 0	18 14	1 8	0s12	1 46	16 36	0 56	12 42	1 15	18 35	0 38	13 23	1 43	5 22	14 25	17 46	17 23	13 43	8 33	1 6			
F 8	22 42	19 9	3 57	17 35	1 53	18 33	1 6	0 24	1 47	16 39	0 56	12 42	1 15	18 36	0 38	13 24	1 43	5 22	14 25	17 45	17 22	13 41	8 33	1 6			
S 9	22 48	17 14	4 34	17 59	1 46	18 52	1 4	0 36	1 47	16 43	0 56	12 42	1 16	18 36	0 38	13 25	1 43	5 21	14 25	17 43	17 21	13 39	8 32	1 5			
S 10	22 54	14 35	4 59	18 23	1 39	19 10	1 2	0 49	1 48	16 46	0 56	12 42	1 16	18 36	0 38	13 25	1 43	5 21	14 25	17 42	17 21	13 37	8 31	1 5			
M 11	22 59	11 21	5 11	18 48	1 32	19 27	1 0	1 1	1 48	16 49	0 56	12 42	1 16	18 37	0 38	13 26	1 43	5 21	14 25	17 41	17 20	13 35	8 31	1 5			
T 12	23 3	7 41	5 10	19 11	1 25	19 44	0 58	1 13	1 49	16 53	0 56	12 43	1 16	18 37	0 38	13 26	1 43	5 21	14 25	17 40	17 19	13 33	8 30	1 5			
W 13	23 8	3 42	4 56	19 35	1 18	20 0	0 56	1 25	1 49	16 56	0 56	12 43	1 17	18 38	0 38	13 27	1 43	5 21	14 25	17 39	17 18	13 32	8 30	1 5			
T 14	23 12	0n29	4 28	19 58	1 10	20 16	0 54	1 37	1 49	16 59	0 56	12 43	1 17	18 38	0 38	13 27	1 43	5 21	14 24	17 39	17 17	13 30	8 29	1 5			
F 15	23 15	4 43	3 47	20 20	1 3	20 31	0 52	1 49	1 50	17 2	0 57	12 44	1 17	18 39	0 38	13 28	1 43	5 21	14 24	17 39	17 16	13 28	8 29	1 5			
S 16	23 18	8 52	2 55	20 42	0 55	20 46	0 50	2 1	1 50	17 5	0 57	12 44	1 17	18 39	0 38	13 28	1 43	5 21	14 24	17 39	17 15	13 26	8 29	1 5			
S 17	23 20	12 45	1 53	21 3	0 47	21 0	0 47	2 13	1 51	17 8	0 57	12 44	1 17	18 40	0 38	13 29	1 43	5 21	14 24	17 40	17 14	13 24	8 28	1 4			
M 18	23 22	16 6	0 42	21 24	0 40	21 13	0 45	2 25	1 51	17 11	0 57	12 45	1 18	18 40	0 38	13 29	1 43	5 21	14 24	17 40	17 13	13 23	8 28	1 4			
T 19	23 24	18 41	0s33	21 43	0 32	21 26	0 43	2 37	1 52	17 14	0 57	12 45	1 18	18 40	0 38	13 30	1 43	5 21	14 24	17 40	17 13	13 21	8 27	1 4			
W 20	23 25	20 10	1 49	22 2	0 25	21 38	0 41	2 48	1 52	17 18	0 57	12 46	1 18	18 41	0 38	13 30	1 43	5 21	14 23	17 40	17 12	13 19	8 27	1 4			
T 21	23 25	20 21	2 59	22 19	0 17	21 50	0 38	3 0	1 53	17 20	0 57	12 47	1 18	18 41	0 38	13 31	1 43	5 21	14 23	17 39	17 11	13 17	8 27	1 4			
F 22	23 25	19 6	3 58	22 36	0 10	22 1	0 36	3 11	1 53	17 23	0 57	12 47	1 19	18 42	0 38	13 31	1 43	5 21	14 23	17 37	17 10	13 15	8 26	1 4			
S 23	23 25	16 32	4 41	22 52	0 3	22 11	0 33	3 23	1 53	17 26	0 57	12 48	1 19	18 42	0 38	13 32	1 43	5 21	14 23	17 36	17 9	13 13	8 26	1 4			
S 24	23 24	12 52	5 5	23 6	0s 5	22 21	0 31	3 34	1 54	17 29	0 57	12 49	1 19	18 43	0 38	13 32	1 43	5 21	14 23	17 34	17 8	13 11	8 26	1 3			
M 25	23 23	8 26	5 7	23 20	0 12	22 30	0 29	3 45	1 54	17 32	0 57	12 49	1 19	18 44	0 38	13 33	1 43	5 21	14 22	17 32	17 7	13 10	8 26	1 3			
T 26	23 21	3 36	4 50	23 32	0 19	22 38	0 26	3 57	1 55	17 35	0 57	12 50	1 19	18 44	0 38	13 33	1 43	5 21	14 22	17 31	17 6	13 8	8 25	1 3			
W 27	23 19	1s19	4 16	23 43	0 25	22 45	0 24	4 8	1 55	17 38	0 57	12 51	1 20	18 45	0 38	13 33	1 43	5 21	14 22	17 30	17 6	13 6	8 25	1 3			
T 28	23 16	6 2	3 27	23 54	0 32	22 52	0 21	4 19	1 56	17 41	0 57	12 52	1 20	18 45	0 38	13 34	1 43	5 21	14 22	17 30	17 5	13 4	8 25	1 3			
F 29	23 13	10 20	2 28	24 2	0 39	22 58	0 19	4 30	1 56	17 43	0 57	12 53	1 20	18 46	0 39	13 34	1 43	5 21	14 22	17 30	17 4	13 2	8 25	1 3			
S 30	23 9	14 3	1 22	24 10	0 45	23 4	0 16	4 41	1 57	17 46	0 57	12 54	1 20	18 46	0 39	13 35	1 44	5 21	14 21	17 30	17 3	13 0	8 25	1 3			
S 31	23s 5	17s 0	0s14	24s16	0s51	23s 9	0n14	4s51	1n57	17s49	0n57	12n55	1n20	18n47	0n39	13s35	1n44	5n21	14s21	17s31	17s 2	12s59	8n25	1n 3			