



Astrodienst Ephemeris Tables for the year 1524

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 1524
geocentric

JANUARY 1524 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	7 16 31	19°36'58	23°45	25°40	20°34	11°53	2°27	5°55	29°47	6°6	15°24	29°R33	0°55	5°59	26°41	F 1
S 2	7 20 27	20°38'06	6°50	26°39	21°20	12°41	2°39	6°1	29°46	6°8	15°26	29°27	0°52	6°6	26°45	S 2
S 3	7 24 24	21°39'13	19°43	27°42	22°35	13°28	2°52	6°7	29°44	6°10	15°28	29°21	0°49	6°13	26°48	S 3
M 4	7 28 21	22°40'19	2°33	28°47	23°51	14°16	3°5	6°13	29°43	6°12	15°30	29°14	0°46	6°19	26°52	M 4
T 5	7 32 17	23°41'25	14°51	29°55	25°6	15°3	3°17	6°19	29°42	6°13	15°32	29°7	0°43	6°26	26°56	T 5
W 6	7 36 14	24°42'30	27°8	1°3	26°22	15°50	3°30	6°25	29°41	6°15	15°34	29°2	0°39	6°33	26°59	W 6
T 7	7 40 10	25°43'35	9°14	2°16	27°37	16°38	3°43	6°31	29°40	6°17	15°36	28°58	0°36	6°39	27°3	T 7
F 8	7 44 7	26°44'38	21°11	3°30	28°52	17°25	3°56	6°38	29°38	6°19	15°38	28°56	0°33	6°46	27°6	F 8
S 9	7 48 3	27°45'41	3°2	4°45	0°8	18°13	4°9	6°44	29°37	6°21	15°40	28°D56	0°30	6°53	27°10	S 9
S 10	7 52 0	28°46'43	14°48	6°2	1°23	19°0	4°22	6°50	29°36	6°23	15°42	28°57	0°27	6°59	27°14	S 10
M 11	7 55 57	29°47'43	26°35	7°20	2°39	19°48	4°36	6°56	29°36	6°24	15°44	28°59	0°23	7°6	27°18	M 11
T 12	7 59 53	0°48'42	8°26	8°39	3°54	20°35	4°49	7°3	29°35	6°26	15°46	29°1	0°20	7°13	27°21	T 12
W 13	8 3 50	1°49'41	20°25	10°0	5°9	21°22	5°2	7°9	29°34	6°28	15°48	29°2	0°17	7°19	27°25	W 13
T 14	8 7 46	2°50'38	2°39	11°21	6°25	22°10	5°15	7°16	29°33	6°30	15°50	29°R 3	0°14	7°26	27°29	T 14
F 15	8 11 43	3°51'33	15°11	12°44	7°40	22°57	5°29	7°22	29°32	6°32	15°52	29°2	0°11	7°33	27°33	F 15
S 16	8 15 39	4°52'28	28°6	14°8	8°55	23°44	5°42	7°29	29°32	6°34	15°54	29°1	0°8	7°39	27°37	S 16
S 17	8 19 36	5°53'21	11°27	15°33	10°10	24°32	5°56	7°35	29°31	6°36	15°56	28°58	0°4	7°46	27°41	S 17
M 18	8 23 32	6°54'13	25°16	16°59	11°26	25°19	6°10	7°42	29°31	6°38	15°58	28°55	0°1	7°52	27°45	M 18
T 19	8 27 29	7°55'04	9°31	18°25	12°41	26°7	6°23	7°49	29°30	6°40	16°0	28°52	29°58	7°59	27°49	T 19
W 20	8 31 26	8°55'53	24°10	19°53	13°56	26°54	6°37	7°56	29°30	6°42	16°2	28°49	29°55	8°6	27°52	W 20
T 21	8 35 22	9°56'41	9°6	21°21	15°11	27°41	6°51	8°2	29°29	6°44	16°4	28°47	29°52	8°12	27°56	T 21
F 22	8 39 19	10°57'27	24°10	22°51	16°27	28°28	7°4	8°9	29°29	6°47	16°6	28°D46	29°49	8°19	28°0	F 22
S 23	8 43 15	11°58'12	9°15	24°21	17°42	29°16	7°18	8°16	29°28	6°49	16°7	28°46	29°45	8°26	28°4	S 23
S 24	8 47 12	12°58'56	24°10	25°52	18°57	0°3	7°32	8°23	29°28	6°51	16°9	28°47	29°42	8°32	28°8	S 24
M 25	8 51 8	13°59'39	8°49	27°24	20°12	0°50	7°46	8°30	29°28	6°53	16°11	28°48	29°39	8°39	28°12	M 25
T 26	8 55 5	15°0'21	23°9	28°57	21°27	1°38	8°0	8°37	29°28	6°55	16°13	28°50	29°36	8°46	28°16	T 26
W 27	8 59 1	16°1'02	7°5	0°30	22°43	2°25	8°14	8°44	29°28	6°57	16°15	28°50	29°33	8°52	28°20	W 27
T 28	9 2 58	17°1'42	20°40	2°5	23°58	3°12	8°28	8°51	29°D28	6°59	16°17	28°R50	29°29	8°59	28°25	T 28
F 29	9 6 55	18°2'21	3°52	3°40	25°13	3°59	8°42	8°58	29°28	7°2	16°18	28°50	29°26	9°6	28°29	F 29
S 30	9 10 51	19°2'58	16°46	5°16	26°28	4°46	8°56	9°5	29°28	7°4	16°20	28°49	29°23	9°12	28°33	S 30
S 31	9 14 48	20°3'35	29°23	6°53	27°43	5°34	9°10	9°12	29°28	7°6	16°22	28°48	29°20	9°19	28°37	S 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	22s 4	23s 44	5s 9	21s 50	1n 36	22s 53	0s 54	18s 21	1s 7	11s 37	1s 3	11s 3	1s 49	20n 2	0s 8	F 1
S 2	21 55	26 34	5 8	22 1	1 27	22 43	0 56	18 7	1 7	11 32	1 3	11 1	1 49	20 1	0 8	S 2
S 3	21 45	27 56	4 51	22 12	1 17	22 33	0 57	17 53	1 7	11 28	1 3	10 59	1 49	20 1	0 8	S 3
M 4	21 35	27 49	4 20	22 22	1 8	22 22	0 59	17 39	1 6	11 23	1 3	10 56	1 49	20 1	0 8	M 4
T 5	21 25	26 16	3 37	22 32	0 58	22 10	1 1	17 25	1 6	11 18	1 3	10 54	1 49	20 1	0 8	T 5
W 6	21 14	23 29	2 45	22 41	0 49	21 58	1 3	17 11	1 6	11 14	1 3	10 52	1 49	20 0	0 8	W 6
T 7	21 3	19 42	1 46	22 49	0 40	21 44	1 4	16 56	1 6	11 9	1 3	10 49	1 49	20 0	0 8	T 7
F 8	20 52	15 9	0 42	22 56	0 31	21 31	1 6	16 41	1 5	11 4	1 3	10 47	1 49	20 0	0 8	F 8
S 9	20 40	10 4	0n 22	23 3	0 22	21 16	1 7	16 27	1 5	10 59	1 3	10 45	1 48	20 0	0 8	S 9
S 10	20 28	4 41	1 26	23 8	0 13	21 1	1 9	16 12	1 5	10 54	1 3	10 42	1 48	20 0	0 8	S 10
M 11	20 15	0n 52	2 26	23 13	0 5	20 46	1 10	15 56	1 5	10 50	1 3	10 40	1 48	19 59	0 8	M 11
T 12	20 2	6 25	3 20	23 17	0s 3	20 29	1 12	15 41	1 4	10 45	1 3	10 37	1 48	19 59	0 8	T 12
W 13	19 48	11 48	4 6	23 19	0 11	20 13	1 13	15 25	1 4	10 40	1 3	10 35	1 48	19 59	0 8	W 13
T 14	19 35	16 50	4 42	23 20	0 19	19 55	1 14	15 10	1 4	10 35	1 3	10 32	1 48	19 59	0 8	T 14
F 15	19 20	21 18	5 6	23 20	0 27	19 37	1 15	14 54	1 3	10 30	1 3	10 30	1 48	19 59	0 8	F 15
S 16	19 6	24 54	5 15	23 19	0 34	19 18	1 17	14 38	1 3	10 25	1 2	10 27	1 48	19 59	0 8	S 16
S 17	18 51	27 18	5 8	23 17	0 42	18 59	1 18	14 22	1 3	10 20	1 2	10 25	1 48	19 59	0 8	S 17
M 18	18 36	28 7	4 43	23 13	0 49	18 40	1 19	14 6	1 2	10 15	1 2	10 22	1 48	19 58	0 8	M 18
T 19	18 20	27 9	4 0	23 9	0 55	18 19	1 20	13 49	1 2	10 9	1 2	10 20	1 48	19 58	0 8	T 19
W 20	18 4	24 17	3 0	23 3	1 2	17 59	1 21	13 33	1 2	10 4	1 2	10 17	1 48	19 58	0 8	W 20
T 21	17 48	19 45	1 47	22 55	1 8	17 37	1 22	13 16	1 1	9 59	1 2	10 15	1 48	19 58	0 8	T 21
F 22	17 32	13 54	0 25	22 47	1 14	17 16	1 22	12 59	1 1	9 54	1 2	10 12	1 48	19 58	0 8	F 22
S 23	17 15	7 14	0s 58	22 37	1 20	16 53	1 23	12 42	1 1	9 49	1 2	10 9	1 48	19 58	0 8	S 23
S 24	16 58	0 15	2 16	22 25	1 25	16 31	1 24	12 25	1 0	9 44	1 2	10 7	1 48	19 58	0 8	S 24
M 25	16 40	6s 38	3 24	22 13	1 30	16 8	1 25	12 8	1 0	9 38	1 2	10 4	1 48	19 58	0 8	M 25
T 26	16 23	13 0	4 18	21 58	1 35	15 44	1 25	11 51	0 59	9 33	1 2	10 2	1 48	19 58	0 8	T 26
W 27	16 5	18 33	4 55	21 43	1 39	15 20	1 26	11 34	0 59	9 28	1 2	9 59	1 48	19 58	0 8	W 27
T 28	15 46	23 0	5 14	21 26	1 44	14 55	1 26	11 16	0 59	9 23	1 2	9 56	1 48	19 58	0 8	T 28
F 29	15 28	26 9	5 16	21 8	1 47	14 31	1 26	10 59	0 58	9 17	1 2	9 54	1 48	19 58	0 8	F 29
S 30	15 9	27 51	5 2	20 48	1 51	14 5	1 27	10 41	0 58	9 12	1 2	9 51	1 48	19 58	0 8	S 30
S 31	14s 50	28s 3	4s 33	20s 27	1s 54	13s 40	1s 27	10s 23	0s 57	9s 7	1s 2	9s 48	1s 48	19n 58	0s 7	S 31

Julian Day Number = 2277698.5, Delta T = 238.09 sec

Ecliptic obliquity = 23°30'12, Nutation = 0°00'09, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°05'55, Lahiri = 17°12'55 Julian Calendar 1 Jan. 1524 == Greg. Calendar 11 Jan. 1524

ASTRODIENST EPHEMERIS for the year 1524

FEBRUARY 1524 JC

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
M 1	9 18 44	21 ²² 4'10	11 ¹³ 46	8 ³³ 31	28 ⁵⁵ 58	6 ¹¹ 21	9 ¹¹ 24	9 ¹¹ 19	29 ²⁸ 28	7 ¹⁰ 8	16 ³² 24	28 ⁴⁵ R47	29 ¹⁷ 17	9 ¹¹ 26	28 ⁴¹ 41	M 1
T 2	9 22 41	22 ⁰ 4'43	23 ⁵⁸ 58	10 ¹⁰ 10	0 ¹³ 13	7 ⁸ 8	9 ³⁹ 39	9 ²⁶ 26	29 ²⁸ 28	7 ¹⁰ 10	16 ²⁵ 25	28 ⁴⁶ 46	29 ¹⁴ 14	9 ³² 32	28 ⁴⁵ 45	T 2
W 3	9 26 37	23 ⁰ 5'15	6 ¹¹ 1	11 ⁴⁹ 49	1 ²⁸ 28	7 ⁵⁵ 55	9 ⁵³ 53	9 ³³ 33	29 ²⁹ 29	7 ¹³ 13	16 ²⁷ 27	28 ⁴⁵ 45	29 ¹⁰ 10	9 ³⁹ 39	28 ⁴⁹ 49	W 3
T 4	9 30 34	24 ⁰ 5'46	17 ⁵⁷ 57	13 ³⁰ 30	2 ⁴³ 43	8 ⁴² 42	10 ⁷ 7	9 ⁴¹ 41	29 ²⁹ 29	7 ¹⁵ 15	16 ²⁹ 29	28 ⁴⁵ 45	29 ⁷ 7	9 ⁴⁵ 45	28 ⁵³ 53	T 4
F 5	9 34 30	25 ⁰ 6'15	29 ⁴⁷ 47	15 ¹² 12	3 ⁵⁸ 58	9 ²⁹ 29	10 ²¹ 21	9 ⁴⁸ 48	29 ²⁹ 29	7 ¹⁷ 17	16 ³⁰ 30	28 ⁴⁴ D44	29 ⁴ 4	9 ⁵² 52	28 ⁵⁷ 57	F 5
S 6	9 38 27	26 ⁰ 6'42	11 ¹¹ 35	16 ⁵⁴ 54	5 ¹³ 13	10 ¹⁶ 16	10 ³⁶ 36	9 ⁵⁵ 55	29 ³⁰ 30	7 ¹⁹ 19	16 ³² 32	28 ⁴⁵ 45	29 ¹ 1	9 ⁵⁹ 59	29 ¹ 1	S 6
S 7	9 42 24	27 ⁰ 7'08	23 ²² 22	18 ³⁷ 37	6 ²⁸ 28	11 ³ 3	10 ⁵⁰ 50	10 ² 2	29 ³⁰ 30	7 ²² 22	16 ³⁴ 34	28 ⁴⁵ 45	28 ⁵⁸ 58	10 ⁵ 5	29 ⁵ 5	S 7
M 8	9 46 20	28 ⁰ 7'31	5 ¹¹ 11	20 ²² 22	7 ⁴³ 43	11 ⁴ 4	10 ¹⁰ 10	29 ³¹ 31	7 ²⁴ 24	16 ³⁵ 35	28 ⁴⁵ 45	28 ⁵⁵ 55	10 ¹² 12	29 ¹⁰ 10	M 8	
T 9	9 50 17	29 ⁰ 7'53	17 ⁵ 5	22 ² 7	8 ⁵⁸ 58	12 ⁵⁷ 57	11 ¹⁹ 19	10 ¹⁷ 17	29 ³¹ 31	7 ²⁶ 26	16 ³⁷ 37	28 ⁴⁵ R45	28 ⁵¹ 51	10 ¹⁹ 19	29 ¹⁴ 14	T 9
W10	9 54 13	0 ¹¹ 8'13	29 ⁷ 7	23 ⁵³ 53	10 ¹³ 13	13 ²⁴ 24	11 ³³ 33	10 ²⁴ 24	29 ³² 32	7 ²⁸ 28	16 ³⁸ 38	28 ⁴⁵ 45	28 ⁴⁸ 48	10 ²⁵ 25	29 ¹⁸ 18	W10
T 11	9 58 10	1 ⁰ 8'31	11 ¹⁸ 21	25 ⁴¹ 41	11 ²⁸ 28	14 ¹¹ 11	11 ⁴⁷ 47	10 ³¹ 31	29 ³³ 33	7 ³¹ 31	16 ⁴⁰ 40	28 ⁴⁵ 45	28 ⁴⁵ 45	10 ³² 32	29 ²² 22	T 11
F 12	10 2 6	2 ⁰ 8'47	23 ⁵⁰ 50	27 ²⁹ 29	12 ⁴³ 43	14 ⁵⁸ 58	12 ² 2	10 ³⁹ 39	29 ³⁴ 34	7 ³³ 33	16 ⁴² 42	28 ⁴⁴ 44	28 ⁴² 42	10 ³⁹ 39	29 ²⁶ 26	F 12
S 13	10 6 3	3 ⁰ 9'01	6 ¹¹ 39	29 ¹⁸ 18	13 ⁵⁸ 58	15 ⁴⁵ 45	12 ¹⁶ 16	10 ⁴⁶ 46	29 ³⁴ 34	7 ³⁵ 35	16 ⁴³ 43	28 ⁴⁴ D44	28 ³⁹ 39	10 ⁴⁵ 45	29 ³⁰ 30	S 13
S 14	10 9 59	4 ⁰ 9'13	19 ⁵² 52	1 ¹¹ 9	15 ¹³ 13	16 ³² 32	12 ³¹ 31	10 ⁵³ 53	29 ³⁵ 35	7 ³⁷ 37	16 ⁴⁵ 45	28 ⁴⁵ 45	28 ³⁵ 35	10 ⁵² 52	29 ³⁴ 34	S 14
M15	10 13 56	5 ⁰ 9'23	3 ⁵³ 30	3 ⁰ 0	16 ²⁷ 27	17 ¹⁸ 18	12 ⁴⁵ 45	11 ¹ 1	29 ³⁶ 36	7 ⁴⁰ 40	16 ⁴⁶ 46	28 ⁴⁵ 45	28 ³² 32	10 ⁵⁹ 59	29 ³⁸ 38	M15
T 16	10 17 53	6 ⁰ 9'31	17 ³⁵ 35	4 ⁵² 52	17 ⁴² 42	18 ⁵ 5	13 ⁰ 0	11 ⁸ 8	29 ³⁷ 37	7 ⁴² 42	16 ⁴⁸ 48	28 ⁴⁶ 46	28 ²⁹ 29	11 ⁵ 5	29 ⁴² 42	T 16
W17	10 21 49	7 ⁰ 9'37	2 ¹⁰ 7	6 ⁴⁶ 46	18 ⁵⁷ 57	18 ⁵² 52	13 ¹⁴ 14	11 ¹⁶ 16	29 ³⁸ 38	7 ⁴⁴ 44	16 ⁴⁹ 49	28 ⁴⁶ 46	28 ²⁶ 26	11 ¹² 12	29 ⁴⁶ 46	W17
T 18	10 25 46	8 ⁰ 9'40	17 ⁰ 0	8 ⁴⁰ 40	20 ¹² 12	19 ³⁸ 38	13 ²⁹ 29	11 ²³ 23	29 ³⁹ 39	7 ⁴⁶ 46	16 ⁵⁰ 50	28 ⁴⁷ 47	28 ²³ 23	11 ¹⁹ 19	29 ⁵¹ 51	T 18
F 19	10 29 42	9 ⁰ 9'42	2 ¹¹ 8	10 ³⁵ 35	21 ²⁶ 26	20 ²⁵ 25	13 ⁴³ 43	11 ³⁰ 30	29 ⁴⁰ 40	7 ⁴⁹ 49	16 ⁵² 52	28 ⁴⁷ R47	28 ²⁰ 20	11 ²⁵ 25	29 ⁵⁵ 55	F 19
S 20	10 33 39	10 ⁰ 9'41	17 ²³ 23	12 ³¹ 31	22 ⁴¹ 41	21 ¹² 12	13 ⁵⁸ 58	11 ³⁸ 38	29 ⁴¹ 41	7 ⁵¹ 51	16 ⁵³ 53	28 ⁴⁷ 47	28 ¹⁶ 16	11 ³² 32	29 ⁵⁹ 59	S 20
S 21	10 37 35	11 ⁰ 9'39	2 ¹² 34	14 ²⁷ 27	23 ⁵⁶ 56	21 ⁵⁸ 58	14 ¹² 12	11 ⁴⁵ 45	29 ⁴³ 43	7 ⁵³ 53	16 ⁵⁴ 54	28 ⁴⁶ 46	28 ¹³ 13	11 ³⁸ 38	0 ¹¹ 3	S 21
M22	10 41 32	12 ⁰ 9'34	17 ³² 32	16 ²⁴ 24	25 ¹⁰ 10	22 ⁴⁵ 45	14 ²⁷ 27	11 ⁵² 52	29 ⁴⁴ 44	7 ⁵⁶ 56	16 ⁵⁶ 56	28 ⁴⁴ 44	28 ¹⁰ 10	11 ⁴⁵ 45	0 ⁷ 7	M22
T 23	10 45 28	13 ⁰ 9'28	2 ¹¹ 9	18 ²² 22	26 ²⁵ 25	23 ³¹ 31	14 ⁴¹ 41	12 ⁰ 0	29 ⁴⁵ 45	7 ⁵⁸ 58	16 ⁵⁷ 57	28 ⁴² 42	28 ⁷ 7	11 ⁵² 52	0 ¹¹ 1	T 23
W24	10 49 25	14 ⁰ 9'21	16 ²¹ 21	20 ²⁰ 20	27 ³⁹ 39	24 ¹⁸ 18	14 ⁵⁶ 56	12 ⁷ 7	29 ⁴⁷ 47	8 ⁰ 0	16 ⁵⁸ 58	28 ⁴¹ 41	28 ⁴ 4	11 ⁵⁸ 58	0 ¹⁵ 15	W24
T 25	10 53 21	15 ⁰ 9'12	0 ¹¹ 6	22 ¹⁸ 18	28 ⁵⁴ 54	25 ⁴ 4	15 ¹¹ 11	12 ¹⁵ 15	29 ⁴⁸ 48	8 ² 2	17 ⁰ 0	28 ³⁹ 39	28 ⁰ 0	12 ⁵ 5	0 ¹⁹ 19	T 25
F 26	10 57 18	16 ⁰ 9'01	13 ²³ 23	24 ¹⁶ 16	0 ¹¹ 8	25 ⁵¹ 51	15 ²⁵ 25	12 ²² 22	29 ⁴⁹ 49	8 ⁵ 5	17 ¹ 1	28 ³⁹ D39	27 ⁵⁷ 57	12 ¹² 12	0 ²³ 23	F 26
S 27	11 1 15	17 ⁰ 8'48	26 ¹⁶ 16	26 ¹⁴ 14	1 ²³ 23	26 ³⁷ 37	15 ⁴⁰ 40	12 ²⁹ 29	29 ⁵¹ 51	8 ⁷ 7	17 ² 2	28 ³⁹ 39	27 ⁵⁴ 54	12 ¹⁸ 18	0 ²⁷ 27	S 27
S 28	11 5 11	18 ⁰ 8'34	8 ²⁸ 48	28 ¹¹ 11	2 ³⁷ 37	27 ²³ 23	15 ⁵⁴ 54	12 ³⁷ 37	29 ⁵³ 53	8 ⁹ 9	17 ³ 3	28 ⁴⁰ 40	27 ⁵¹ 51	12 ²⁵ 25	0 ³¹ 31	S 28
M29	11 9 8	19 ¹¹ 8'18	21 ²⁸ 3	0 ¹¹ 7	3 ¹¹ 52	28 ¹¹ 10	16 ¹¹ 9	12 ¹¹ 44	29 ⁵⁴ 54	8 ¹¹ 11	17 ³ 4	28 ⁴¹ 41	27 ⁴⁸ 48	12 ¹¹ 32	0 ¹¹ 35	M29

Day	☉	♊		♀		♀		♂		♈		♏		♏		♏		♏		♏		♏		♏	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	14s31	26s50	3s52	20s 4	1s57	13s14	1s27	10s 5	0s57	9s 1	1s 2	9s46	1s48	19n58	0s 7	9s45	0s55	22s57	0s28	11s56	11s45	7s13	6s50	5n28	
T 2	14 11	24 21	3 1	19 40	2 0	12 47	1 27	9 47	0 57	8 56	1 2	9 43	1 48	19 58	0 7	9 45	0 55	22 57	0 28	11 56	11 46	7 10	6 49	5 28	
W 3	13 51	20 48	2 3	19 14	2 2	12 21	1 27	9 29	0 56	8 50	1 2	9 40	1 48	19 58	0 7	9 44	0 55	22 57	0 28	11 56	11 48	7 6	6 47	5 28	
T 4	13 32	16 26	1 0	18 47	2 3	11 53	1 27	9 11	0 56	8 45	1 2	9 37	1 48	19 58	0 7	9 43	0 55	22 57	0 28	11 57	11 49	7 3	6 46	5 28	
F 5	13 11	11 29	0n 6	18 19	2 5	11 26	1 27	8 53	0 55	8 40	1 2	9 35	1 48	19 58	0 7	9 42	0 55	22 57	0 28	11 57	11 50	7 0	6 45	5 28	
S 6	12 51	6 9	1 11	17 49	2 6	10 58	1 27	8 35	0 55	8 34	1 2	9 32	1 48	19 59	0 7	9 41	0 55	22 57	0 28	11 57	11 51	6 56	6 43	5 28	
S 7	12 30	0 36	2 13	17 17	2 6	10 31	1 27	8 17	0 54	8 29	1 2	9 29	1 48	19 59	0 7	9 40	0 55	22 57	0 29	11 56	11 52	6 53	6 42	5 28	
M 8	12 9	4n58	3 9	16 44	2 6	10 2	1 27	7 58	0 54	8 23	1 2	9 26	1 48	19 59	0 7	9 40	0 55	22 57	0 29	11 56	11 53	6 50	6 40	5 28	
T 9	11 48	10 23	3 58	16 10	2 6	9 34	1 27	7 40	0 53	8 18	1 2	9 24	1 48	19 59	0 7	9 39	0 55	22 57	0 29	11 56	11 54	6 46	6 39	5 28	
W10	11 27	15 30	4 37	15 34	2 5	9 5	1 26	7 21	0 53	8 12	1 2	9 21	1 48	19 59	0 7	9 38	0 55	22 56	0 29	11 56	11 55	6 43	6 38	5 28	
T 11	11 6	20 5	5 3	14 56	2 4	8 36	1 26	7 3	0 53	8 7	1 2	9 18	1 48	19 59	0 7	9 37	0 55	22 56	0 29	11 57	11 56	6 40	6 36	5 28	
F 12	10 44	23 53	5 17	14 18	2 2	8 7	1 25	6 44	0 52	8 1	1 2	9 15	1 48	19 59	0 7	9 36	0 55	22 56	0 29	11 57	11 58	6 36	6 35	5 28	
S 13	10 23	26 39	5 15	13 37	2 0	7 38	1 25	6 26	0 52	7 56	1 2	9 13	1 48	20 0	0 7	9 35	0 55	22 56	0 29	11 57	11 59	6 33	6 34	5 27	
S 14	10 1	28 3	4 57	12 56	1 58	7 8	1 24	6 7	0 51	7 50	1 2	9 10	1 48	20 0	0 7	9 35	0 55	22 56	0 29	11 57	12 0	6 30	6 32	5 27	
M15	9 39	27 49	4 21	12 12	1 54	6 38	1 23	5 48	0 51	7 45	1 2	9 7	1 48	20 0	0 7	9 34	0 55	22 56	0 29	11 56	12 1	6 26	6 31	5 27	
T 16	9 17	25 48	3 30	11 28	1 51	6 8	1 22	5 30	0 50	7 39	1 2	9 4	1 48	20 0	0 7	9 33	0 55	22 56	0 29	11 56	12 2	6 23	6 29	5 27	
W17	8 54	22 4	2 23	10 42	1 46	5 38	1 22	5 11	0 50	7 34	1 2	9 1	1 48	20 1	0 7	9 32	0 55	22 56	0 30	11 56	12 3	6 20	6 28	5 27	
T 18	8 32	16 49	1 5	9 55	1 42	5 8	1 21	4 52	0 49	7 28	1 2	8 59	1 48	20 1	0 7	9 31	0 55	22 56	0 30	11 56	12 4	6 17	6 27	5 27	
F 19	8 9	10 27	0s19	9 6	1 36	4 37	1 20	4 33	0 49	7 22	1 2	8 56	1 48	20 1	0 7	9 30	0 55	22 56	0 30	11 56	12 5	6 13	6 25	5 27	
S 20	7 47	3 27	1 41	8 16	1 30	4 7	1 19	4 14	0 48	7 17	1 2	8 53	1 48	20 1	0 7	9 30	0 55	22 56	0 30	11 56	12 6	6 10	6 24	5 27	
S 21	7 24	3s43	2 57	7 25	1 24	3 36	1 18	3 55	0 48	7 11	1 2	8 50	1 48	20 2	0 7	9 29	0 55	22 56	0 30	11 56	12 7	6 7	6 22	5 27	
M22	7 1	10 34	3 59	6 33	1 17	3 6	1 16	3 36	0 47	7 6	1 2	8 47	1 48	20 2	0 7	9 28	0 55	22 56	0 30	11 57	12 9	6 3	6 21	5 27	
T23	6 38	16 41	4 43	5 40	1 9	2 35	1 15	3 17	0 47	7 0	1 2	8 45	1 48	20 2	0 7	9 27	0 55	22 55	0 30	11 57	12 10	6 0	6 20	5 27	
W24	6 15	21 42	5 9	4 46	1 1	2 4	1 14	2 59	0 46	6 54	1 2	8 42	1 48	20 2	0 7	9 26	0 55	22 55	0 30	11 58	12 11	5 57	6 18	5 27	
T 25	5 52	25 23	5 17	3 51	0 52	1 33	1 13	2 40	0 46	6 49	1 2	8 39	1 48	20 3	0 7	9 25	0 55	22 55	0 30	11 58	12 12	5 53	6 17	5 28	
F 26	5 29	27 32	5 6	2 56	0 42	1 2	1 11	2 21	0 45	6 43	1 2	8 36	1 48	20 3	0 7	9 24	0 55	22 55	0 31	11 59	12 13	5 50	6 15	5 28	
S 27	5 5	28 8	4 41	2 0	0 32	0 31	1 10	2 2	0 44	6 38	1 2	8 34	1 48	20 3	0 7	9 24	0 55	22 55	0 31	11 59	12 14	5 47	6 14	5 28	
S 28	4 42	27 14	4 2	1 3	0 22	0n 0	1 8	1 43	0 44	6 32	1 2	8 31	1 48	20 4	0 7	9 23	0 55	22 55	0 31	11 58	12 15	5 43	6 13	5 28	
M29	4s19	25s 2	3s14	0s 7	0s11	0n31	1s 7	1s24	0s43	6s26	1s 2	8s28	1s48	20n 4	0s 7	9s22	0s55	22s55	0s31	11s58	12s16	5s40	6s11	5n28	

Julian Day Number = 2277729.5, Delta T = 237.89 sec

Ecliptic obliquity = $23^{\circ}30'12$, Nutation = $0^{\circ}00'10$, out-of-bounds declination in red

Avanamshta: Fagan/Bradley = 18°05'59. Lahiri = 17°12'59 Julian Calendar 1 Feb. 1524 == Greg. Calendar 11 Feb. 1524

ASTRODIENST EPHEMERIS for the year 1524
geocentric

MARCH 1524 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	11 13 4	20 ^h 8'00	3 ^h 5	2 ^h 2	5 ^h 6	28 ^h 56	16 ^h 23	12 ^h 51	29 ^h 56	8 ^h 14	17 ^h 5	28 ^h 43	27 ^h 45	12 ^h 38	0 ^h 39	T 1
W 2	11 17 1	21 ^h 7'40	14 ^h 59	3 ^h 55	6 ^h 21	29 ^h 42	16 ^h 38	12 ^h 59	29 ^h 58	8 ^h 16	17 ^h 7	28 ^h 44	27 ^h 41	12 ^h 45	0 ^h 43	W 2
T 3	11 20 57	22 ^h 7'18	26 ^h 48	5 ^h 46	7 ^h 35	0 ^h 29	16 ^h 52	13 ^h 6	29 ^h 59	8 ^h 18	17 ^h 8	28 ^h 45	27 ^h 38	12 ^h 52	0 ^h 46	T 3
F 4	11 24 54	23 ^h 6'55	8 ^h 35	7 ^h 35	8 ^h 49	1 ^h 15	17 ^h 7	13 ^h 13	0 ^h 11	8 ^h 20	17 ^h 9	28 ^h 45	27 ^h 35	12 ^h 58	0 ^h 50	F 4
S 5	11 28 50	24 ^h 6'29	20 ^h 22	9 ^h 20	10 ^h 4	2 ^h 1	17 ^h 21	13 ^h 21	0 ^h 3	8 ^h 23	17 ^h 10	28 ^h 43	27 ^h 32	13 ^h 5	0 ^h 54	S 5
S 6	11 32 47	25 ^h 6'02	2 ^h 12	11 ^h 3	11 ^h 18	2 ^h 47	17 ^h 36	13 ^h 28	0 ^h 5	8 ^h 25	17 ^h 11	28 ^h 40	27 ^h 29	13 ^h 12	0 ^h 58	S 6
M 7	11 36 44	26 ^h 5'32	14 ^h 7	12 ^h 41	12 ^h 32	3 ^h 33	17 ^h 50	13 ^h 35	0 ^h 7	8 ^h 27	17 ^h 12	28 ^h 36	27 ^h 26	13 ^h 18	1 ^h 2	M 7
T 8	11 40 40	27 ^h 5'00	26 ^h 9	14 ^h 15	13 ^h 47	4 ^h 19	18 ^h 5	13 ^h 42	0 ^h 9	8 ^h 29	17 ^h 13	28 ^h 31	27 ^h 22	13 ^h 25	1 ^h 6	T 8
W 9	11 44 37	28 ^h 4'26	8 ^h 19	15 ^h 44	15 ^h 1	5 ^h 5	18 ^h 19	13 ^h 50	0 ^h 11	8 ^h 31	17 ^h 13	28 ^h 26	27 ^h 19	13 ^h 32	1 ^h 9	W 9
T 10	11 48 33	29 ^h 3'50	20 ^h 40	17 ^h 8	16 ^h 15	5 ^h 51	18 ^h 33	13 ^h 57	0 ^h 13	8 ^h 33	17 ^h 14	28 ^h 21	27 ^h 16	13 ^h 38	1 ^h 13	T 10
F 11	11 52 30	0 ^h 3'11	3 ^h 14	18 ^h 27	17 ^h 29	6 ^h 37	18 ^h 48	14 ^h 4	0 ^h 15	8 ^h 36	17 ^h 15	28 ^h 17	27 ^h 13	13 ^h 45	1 ^h 17	F 11
S 12	11 56 26	1 ^h 2'31	16 ^h 4	19 ^h 40	18 ^h 43	7 ^h 22	19 ^h 2	14 ^h 11	0 ^h 17	8 ^h 38	17 ^h 16	28 ^h 14	27 ^h 10	13 ^h 51	1 ^h 21	S 12
S 13	12 0 23	2 ^h 1'48	29 ^h 12	20 ^h 47	19 ^h 57	8 ^h 8	19 ^h 17	14 ^h 18	0 ^h 19	8 ^h 40	17 ^h 17	28 ^h 13	27 ^h 6	13 ^h 58	1 ^h 24	S 13
M14	12 4 19	3 ^h 1'02	12 ^h 41	21 ^h 47	21 ^h 11	8 ^h 54	19 ^h 31	14 ^h 26	0 ^h 21	8 ^h 42	17 ^h 18	28 ^h 14	27 ^h 3	14 ^h 5	1 ^h 28	M14
T 15	12 8 16	4 ^h 0'14	26 ^h 33	22 ^h 41	22 ^h 25	9 ^h 40	19 ^h 45	14 ^h 33	0 ^h 24	8 ^h 44	17 ^h 18	28 ^h 15	27 ^h 0	14 ^h 11	1 ^h 31	T 15
W16	12 12 13	4 ^h 59'24	10 ^h 48	23 ^h 28	23 ^h 39	10 ^h 25	20 ^h 0	14 ^h 40	0 ^h 26	8 ^h 46	17 ^h 19	28 ^h 16	26 ^h 57	14 ^h 18	1 ^h 35	W16
T 17	12 16 9	5 ^h 58'32	25 ^h 25	24 ^h 8	24 ^h 53	11 ^h 11	20 ^h 14	14 ^h 47	0 ^h 28	8 ^h 48	17 ^h 20	28 ^h 17	26 ^h 54	14 ^h 25	1 ^h 39	T 17
F 18	12 20 6	6 ^h 57'37	10 ^h 21	24 ^h 42	26 ^h 7	11 ^h 56	20 ^h 28	14 ^h 54	0 ^h 31	8 ^h 50	17 ^h 20	28 ^h 17	26 ^h 51	14 ^h 31	1 ^h 42	F 18
S 19	12 24 2	7 ^h 56'40	25 ^h 27	25 ^h 8	27 ^h 21	12 ^h 42	20 ^h 42	15 ^h 1	0 ^h 33	8 ^h 52	17 ^h 21	28 ^h 14	26 ^h 47	14 ^h 38	1 ^h 46	S 19
S 20	12 27 59	8 ^h 55'40	10 ^h 36	25 ^h 27	28 ^h 35	13 ^h 27	20 ^h 56	15 ^h 8	0 ^h 35	8 ^h 55	17 ^h 22	28 ^h 10	26 ^h 44	14 ^h 45	1 ^h 49	S 20
M21	12 31 55	9 ^h 54'39	25 ^h 39	25 ^h 39	29 ^h 49	14 ^h 13	21 ^h 11	15 ^h 15	0 ^h 38	8 ^h 57	17 ^h 22	28 ^h 4	26 ^h 41	14 ^h 51	1 ^h 53	M21
T 22	12 35 52	10 ^h 53'36	10 ^h 24	25 ^h 44	1 ^h 2	14 ^h 58	21 ^h 25	15 ^h 22	0 ^h 40	8 ^h 59	17 ^h 23	27 ^h 58	26 ^h 38	14 ^h 58	1 ^h 56	T 22
W23	12 39 48	11 ^h 52'31	24 ^h 46	25 ^h 43	2 ^h 16	15 ^h 43	21 ^h 39	15 ^h 29	0 ^h 43	9 ^h 1	17 ^h 23	27 ^h 51	26 ^h 35	15 ^h 5	1 ^h 59	W23
T 24	12 43 45	12 ^h 51'24	8 ^h 40	25 ^h 35	3 ^h 30	16 ^h 29	21 ^h 53	15 ^h 36	0 ^h 46	9 ^h 3	17 ^h 24	27 ^h 46	26 ^h 32	15 ^h 11	2 ^h 3	T 24
F 25	12 47 42	13 ^h 50'16	22 ^h 6	25 ^h 21	4 ^h 43	17 ^h 14	22 ^h 7	15 ^h 42	0 ^h 48	9 ^h 4	17 ^h 24	27 ^h 42	26 ^h 28	15 ^h 18	2 ^h 6	F 25
S 26	12 51 38	14 ^h 49'05	5 ^h 3	25 ^h 2	5 ^h 57	17 ^h 59	22 ^h 21	15 ^h 49	0 ^h 51	9 ^h 6	17 ^h 25	27 ^h 39	26 ^h 25	15 ^h 25	2 ^h 9	S 26
S 27	12 55 35	15 ^h 47'53	17 ^h 37	24 ^h 37	7 ^h 11	18 ^h 44	22 ^h 35	15 ^h 56	0 ^h 54	9 ^h 8	17 ^h 25	27 ^h 39	26 ^h 22	15 ^h 31	2 ^h 12	S 27
M28	12 59 31	16 ^h 46'39	29 ^h 52	24 ^h 7	8 ^h 24	19 ^h 29	22 ^h 49	16 ^h 3	0 ^h 56	9 ^h 10	17 ^h 25	27 ^h 39	26 ^h 19	15 ^h 38	2 ^h 16	M28
T 29	13 3 28	17 ^h 45'24	11 ^h 52	23 ^h 33	9 ^h 38	20 ^h 14	23 ^h 3	16 ^h 9	0 ^h 59	9 ^h 12	17 ^h 26	27 ^h 41	26 ^h 16	15 ^h 45	2 ^h 19	T 29
W30	13 7 24	18 ^h 44'06	23 ^h 43	22 ^h 56	10 ^h 51	20 ^h 59	23 ^h 16	16 ^h 16	1 ^h 2	9 ^h 14	17 ^h 26	27 ^h 42	26 ^h 12	15 ^h 51	2 ^h 22	W30
T 31	13 11 21	19 ^h 42'47	5 ^h 29	22 ^h 16	12 ^h 8	21 ^h 44	23 ^h 30	16 ^h 23	1 ^h 5	9 ^h 16	17 ^h 26	27 ^h 41	26 ^h 9	15 ^h 58	2 ^h 25	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
T 1	3s55	21s44	2s17	0n49	0n 0	1n 2	1s 5	1s 5	0s43	6s21	1s 2	8s25	1s49	20n 5	0s 7	9s21	0s55	22s55	0s31	11s57	12s17	5s37	6s10	5n28					
W 2	3 32	17 35	1 15	1 45	0 12	1 33	1 4	0 46	0 42	6 15	1 2	8 22	1 49	20 5	0 7	9 20	0 55	22 55	0 31	11 57	12 18	5 33	6 8	5 28					
T 3	3 8	12 47	0 11	2 40	0 24	2 4	1 2	0 27	0 42	6 9	1 3	8 20	1 49	20 5	0 7	9 20	0 55	22 55	0 31	11 56	12 20	5 30	6 7	5 28					
F 4	2 44	7 32	0n54	3 35	0 37	2 35	1 0	0 8	0 41	6 4	1 3	8 17	1 49	20 6	0 7	9 19	0 55	22 55	0 31	11 57	12 21	5 27	6 5	5 28					
S 5	2 21	2 3	1 56	4 28	0 49	3 6	0 58	0n11	0 41	5 58	1 3	8 14	1 49	20 6	0 7	9 18	0 55	22 55	0 31	11 57	12 22	5 23	6 4	5 28					
S 6	1 57	3n32	2 54	5 20	1 2	3 37	0 56	0 30	0 40	5 53	1 3	8 11	1 49	20 6	0 7	9 17	0 55	22 55	0 31	11 58	12 23	5 20	6 3	5 28					
M 7	1 33	9 1	3 44	6 10	1 14	4 8	0 54	0 49	0 40	5 47	1 3	8 9	1 49	20 7	0 7	9 16	0 55	22 55	0 32	12 0	12 24	5 17	6 1	5 28					
T 8	1 10	14 14	4 25	6 58	1 27	4 39	0 52	1 7	0 39	5 41	1 3	8 6	1 49	20 7	0 7	9 15	0 55	22 55	0 32	12 1	12 25	5 13	6 0	5 28					
W 9	0 46	18 57	4 54	7 44	1 39	5 9	0 50	1 26	0 38	5 36	1 3	8 3	1 49	20 8	0 7	9 15	0 55	22 55	0 32	12 3	12 26	5 10	5 58	5 28					
T 10	0 22	22 56	5 10	8 27	1 51	5 40	0 48	1 45	0 38	5 30	1 3	8 1	1 49	20 8	0 7	9 14	0 55	22 55	0 32	12 5	12 27	5 7	5 57	5 28					
F 11	0n 1	25 57	5 11	9 8	2 2	6 10	0 46	2 4	0 37	5 25	1 3	7 58	1 49	20 9	0 7	9 13	0 55	22 55	0 32	12 6	12 28	5 3	5 56	5 29					
S 12	0 25	27 42	4 58	9 46	2 13	6 40	0 44	2 22	0 37	5 19	1 3	7 55	1 49	20 9	0 7	9 12	0 55	22 55	0 32	12 7	12 29	5 0	5 54	5 29					
S 13	0 49	27 58	4 28	10 21	2 24	7 10	0 42	2 41	0 36	5 13	1 3	7 52	1 49	20 10	0 7	9 11	0 55	22 55	0 32	12 7	12 30	4 57	5 53	5 29					
M14	1 12	26 36	3 43	10 53	2 33	7 40	0 40	3 0	0 36	5 8	1 3	7 50	1 50	20 10	0 7	9 11	0 55	22 55	0 32	12 7	12 32	4 53	5 51	5 29					
T 15	1 36	23 36	2 45	11 21	2 42	8 10	0 37	3 18	0 35	5 2	1 3	7 47	1 50	20 11	0 7	9 10	0 55	22 55	0 32	12 7	12 33	4 50	5 50	5 29					
W16	1 59	19 5	1 34	11 46	2 50	8 40	0 35	3 37	0 34	4 57	1 3	7 44	1 50	20 11	0 7	9 9	0 55	22 55	0 33	12 6	12 34	4 47	5 49	5 29					
T 17	2 23	13 20	0 16	12 8	2 57	9 9	0 33	3 55	0 34	4 51	1 3	7 42	1 50	20 12	0 7	9 8	0 55	22 55	0 33	12 6	12 35	4 43	5 47	5 29					
F 18	2 46	6 42	1s 5	12 26	3 3	9 38	0 30	4 13	0 33	4 46	1 3	7 39	1 50	20 12	0 7	9 8	0 55	22 55	0 33	12 6	12 36	4 40	5 46	5 29					
S 19	3 10	0s22	2 22	12 40	3 8	10 7	0 28	4 32	0 33	4 40	1 4	7 37	1 50	20 13	0 7	9 7	0 55	22 55	0 33	12 7	12 37	4 37	5 45	5 29					
S 20	3 33	7 25	3 30	12 50	3 12	10 36	0 26	4 50	0 32	4 34	1 4	7 34	1 50	20 13	0 7	9 6	0 55	22 55	0 33	12 9	12 38	4 33	5 43	5 30					
M21	3 56	14 0	4 22	12 57	3 14	11 4	0 23	5 8	0 31	4 29	1 4	7 31	1 50	20 14	0 7	9 5	0 55	22 55	0 33	12 11	12 39	4 30	5 42	5 30					
T 22	4 19	19 39	4 55	13 0	3 15	11 33	0 21	5 26	0 31	4 23	1 4	7 29	1 50	20 14	0 7	9 5	0 55	22 55	0 33	12 13	12 40	4 26	5 41	5 30					
W23	4 42	24 0	5 9	12 59	3 14	12 1	0 18	5 44	0 30	4 18	1 4	7 26	1 51	20 15	0 7	9 4	0 55	22 55	0 33	12 15	12 41	4 23	5 39	5 30					
T 24	5 5	26 48	5 4	12 54	3 12	12 28	0 16	6 2	0 30	4 13	1 4	7 24	1 51	20 15	0 7	9 3	0 55	22 55	0 33	12 17	12 42	4 20	5 38	5 30					
F 25	5 28	27 57	4 42	12 45	3 8	12 56	0 13	6 20	0 29	4 7	1 4	7 21	1 51	20 16	0 7	9 3	0 55	22 55	0 33	12 18	12 44	4 16	5 37	5 30					
S 26	5 51	27 30	4 6	12 33	3 3	13 23	0 10	6 38	0 28	4 2	1 4	7 19	1 51	20 16	0 7	9 2	0 55	22 55	0 34	12 19	12 45	4 13	5 35	5 31					
S 27	6 14	25 38	3 19	12 18	2 57	13 49	0 8	6 56	0 28	3 56	1 4	7 16	1 51	20 17	0 7	9 1	0 55	22 55	0 34	12 19	12 46	4 10	5 34	5 31					
M28	6 37	22 35	2 25	11 59	2 49	14 16	0 5	7 14	0 27	3 51	1 4	7 14	1 51	20 18	0 7	9 0	0 55	22 55	0 34	12 19	12 47	4 6	5 33	5 31					
T 29	6 59	18 38	1 25	11 38	2 39	14 42	0 2	7 31	0 27	3 45	1 4	7 11	1 51	20 18	0 7	9 0	0 55	22 55	0 34	12 19	12 48	4 3	5 31	5 31					
W30	7 22	13 59	0 22	11 14	2 28	15 7	0n 0	7 49	0 26	3 40	1 5	7 9	1 51	20 19	0 7	8 59	0 55	22 56	0 34	12 18	12 49	4 0	5 30	5 31					
T 31	7n44	8s53	0n42	10n47	2n16	15n33	0n 3	8n 6	0s25	3s35	1s 5	7s 6	1s52	20n19	0s 7	8s58	0s55	22s56	0s34	12s18	12s50	3s56	5s29	5n31					

ASTRODIENST EPHEMERIS for the year 1524

geocentric

APRIL 1524 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	13 15 17	20°41'26	17°16	21°R35	13°18	22°29	23°44	16°29	1°11	8	9°18	17°27	27°R39	26°6	16°11	2°28	F 1
S 2	13 19 14	21°40'03	29° 5	20°Y52	14°31	23°14	23°58	16°36	1°10		9°19	17°27	27°35	26° 3	16°11	2°31	S 2
S 3	13 23 11	22°38'39	11°Y 1	20° 9	15°45	23°59	24°11	16°42	1°13		9°21	17°27	27°28	26° 0	16°18	2°34	S 3
M 4	13 27 7	23°37'12	23° 5	19°27	16°58	24°44	24°25	16°49	1°16		9°23	17°27	27°19	25°57	16°24	2°37	M 4
T 5	13 31 4	24°35'44	5°19	18°46	18°11	25°28	24°38	16°55	1°19		9°25	17°27	27° 8	25°53	16°31	2°40	T 5
W 6	13 35 0	25°34'13	17°43	18° 7	19°24	26°13	24°52	17° 1	1°22		9°27	17°27	26°58	25°50	16°38	2°43	W 6
T 7	13 38 57	26°32'41	0°11	17°30	20°38	26°57	25° 5	17° 8	1°25		9°28	17°28	26°47	25°47	16°44	2°45	T 7
F 8	13 42 53	27°31'07	13° 5	16°57	21°51	27°42	25°19	17°14	1°28		9°30	17°28	26°38	25°44	16°51	2°48	F 8
S 9	13 46 50	28°29'31	26° 5	16°27	23° 4	28°26	25°32	17°20	1°31		9°32	17°R28	26°32	25°41	16°58	2°51	S 9
S 10	13 50 46	29°27'52	9°28	16° 2	24°17	29°11	25°45	17°26	1°35		9°33	17°28	26°28	25°38	17° 4	2°54	S 10
M11	13 54 43	0°26'12	22°47	15°40	25°30	29°55	25°59	17°32	1°38		9°35	17°28	26°26	25°34	17°11	2°56	M11
T 12	13 58 40	1°24'29	6°12	15°24	26°43	0°40	26°12	17°38	1°41		9°36	17°27	26°D26	25°31	17°18	2°59	T 12
W13	14 2 36	2°22'44	20°34	15°12	27°56	1°24	26°25	17°44	1°44		9°38	17°27	26°R26	25°28	17°24	3° 1	W13
T 14	14 6 33	3°20'57	4°19	15° 4	29° 9	2° 8	26°38	17°50	1°47		9°39	17°27	26°26	25°25	17°31	3° 4	T 14
F 15	14 10 29	4°19'08	19°29	15°D 2	0°12	2°52	26°51	17°56	1°50		9°41	17°27	26°24	25°22	17°38	3° 6	F 15
S 16	14 14 26	5°17'17	4°15	15° 4	1°34	3°36	27° 4	18° 2	1°54		9°42	17°27	26°20	25°18	17°44	3° 9	S 16
S 17	14 18 22	6°15'24	19° 6	15°11	2°47	4°20	27°17	18° 8	1°57		9°44	17°27	26°13	25°15	17°51	3°11	S 17
M18	14 22 19	7°13'29	3°15	15°23	4° 0	5° 4	27°29	18°13	2° 0		9°45	17°26	26° 4	25°12	17°58	3°13	M18
T 19	14 26 15	8°11'33	18°33	15°40	5°12	5°48	27°42	18°19	2° 3		9°47	17°26	25°53	25° 9	18° 4	3°15	T 19
W20	14 30 12	9° 9'35	2°15	16° 1	6°25	6°32	27°55	18°24	2° 7		9°48	17°26	25°42	25° 6	18°11	3°18	W20
T 21	14 34 9	10° 7'35	16°46	16°26	7°38	7°16	28° 7	18°30	2°10		9°50	17°25	25°33	25° 3	18°18	3°20	T 21
F 22	14 38 5	11° 5'34	0°13	16°56	8°50	8° 0	28°20	18°35	2°13		9°51	17°25	25°25	24°59	18°24	3°22	F 22
S 23	14 42 2	12° 3'32	13°14	17°29	10° 3	8°44	28°32	18°41	2°17		9°52	17°25	25°19	24°56	18°31	3°24	S 23
S 24	14 45 58	13° 1'28	25°51	18° 7	11°15	9°27	28°45	18°46	2°20		9°53	17°24	25°16	24°53	18°38	3°26	S 24
M25	14 49 55	13°59'23	8°48	18°48	12°27	10°11	28°57	18°51	2°23		9°55	17°24	25°15	24°50	18°44	3°28	M25
T 26	14 53 51	14°57'17	20° 9	19°33	13°40	10°55	29° 9	18°57	2°27		9°56	17°23	25°15	24°47	18°51	3°30	T 26
W27	14 57 48	15°55'09	2°11	20°22	14°52	11°38	29°21	19° 2	2°30		9°57	17°23	25°15	24°43	18°58	3°31	W27
T 28	15 1 44	16°53'00	13°49	21°14	16° 4	12°22	29°33	19° 7	2°34		9°58	17°22	25°14	24°40	19° 4	3°33	T 28
F 29	15 5 41	17°50'50	25°37	22° 9	17°17	13° 5	29°45	19°12	2°37		9°59	17°22	25°11	24°37	19°11	3°35	F 29
S 30	15 9 38	18°48'39	7°Y31	23°Y 8	18°12	13°48	29°57	19°17	2°41		10°0	17°21	25°5	24°34	19°18	3°37	S 30

Day	☉	☽		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂			
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	8n 6	3s28	1n43	10n19	2n 2	15n58	0n 6	8n23	0s25	3s29	1s 5	7s 4	1s52	20n20	0s 7	8s58	0s55	22s56	0s34	12s19	12s51	3s53	5s28	5n32					
S 2	8 28	2n 5	2 40	9 50	1 48	16 22	0 8	8 41	0 24	3 24	1 5	7 1	1 52	20 21	0 7	8 57	0 55	22 56	0 34	12 21	12 52	3 50	5 26	5 32					
S 3	8 50	7 36	3 31	9 19	1 32	16 46	0 11	8 58	0 23	3 19	1 5	6 59	1 52	20 21	0 7	8 56	0 56	22 56	0 34	12 23	12 53	3 46	5 25	5 32					
M 4	9 12	12 54	4 12	8 49	1 17	17 10	0 14	9 15	0 23	3 13	1 5	6 57	1 52	20 22	0 7	8 56	0 56	22 56	0 35	12 26	12 54	3 43	5 24	5 32					
T 5	9 33	17 46	4 43	8 18	1 0	17 33	0 16	9 32	0 22	3 8	1 5	6 54	1 52	20 22	0 7	8 55	0 56	22 56	0 35	12 30	12 55	3 40	5 23	5 32					
W 6	9 55	21 58	5 0	7 47	0 43	17 56	0 19	9 49	0 22	3 3	1 5	6 52	1 53	20 23	0 7	8 55	0 56	22 56	0 35	12 34	12 56	3 36	5 22	5 33					
T 7	10 16	25 13	5 4	7 18	0 26	18 18	0 22	10 5	0 21	2 57	1 5	6 50	1 53	20 24	0 7	8 54	0 56	22 56	0 35	12 37	12 58	3 33	5 20	5 33					
F 8	10 37	27 15	4 52	6 49	0 9	18 40	0 25	10 22	0 20	2 52	1 6	6 47	1 53	20 24	0 7	8 53	0 56	22 56	0 35	12 40	12 59	3 30	5 19	5 33					
S 9	10 58	27 52	4 25	6 23	0s 7	19 2	0 27	10 39	0 20	2 47	1 6	6 45	1 53	20 25	0 6	8 53	0 56	22 56	0 35	12 42	13 0	3 26	5 18	5 33					
S 10	11 19	26 54	3 44	5 58	0 24	19 23	0 30	10 55	0 19	2 42	1 6	6 43	1 53	20 26	0 6	8 52	0 56	22 57	0 35	12 44	13 1	3 23	5 17	5 33					
M11	11 39	24 21	2 49	5 35	0 40	19 43	0 33	11 11	0 18	2 37	1 6	6 41	1 53	20 26	0 6	8 52	0 56	22 57	0 35	12 44	13 2	3 20	5 16	5 34					
T 12	12 0	20 22	1 44	5 14	0 55	20 3	0 35	11 27	0 18	2 32	1 6	6 38	1 53	20 27	0 6	8 51	0 56	22 57	0 35	12 44	13 3	3 16	5 15	5 34					
W13	12 20	15 10	0 31	4 56	1 10	20 22	0 38	11 43	0 17	2 26	1 6	6 36	1 54	20 27	0 6	8 50	0 56	22 57	0 36	12 44	13 4	3 13	5 14	5 34					
T 14	12 40	9 3	0s45	4 40	1 24	20 41	0 41	11 59	0 17	2 21	1 6	6 34	1 54	20 28	0 6	8 50	0 56	22 57	0 36	12 44	13 5	3 10	5 12	5 34					
F 15	13 0	2 21	1 59	4 27	1 37	20 59	0 44	12 15	0 16	2 16	1 6	6 32	1 54	20 29	0 6	8 49	0 56	22 57	0 36	12 45	13 6	3 6	5 11	5 35					
S 16	13 19	4s33	3 7	4 16	1 50	21 17	0 46	12 31	0 15	2 11	1 7	6 30	1 54	20 29	0 6	8 49	0 56	22 57	0 36	12 46	13 7	3 3	5 10	5 35					
S 17	13 39	11 13	4 2	4 8	2 1	21 34	0 49	12 46	0 15	2 6	1 7	6 28	1 54	20 30	0 6	8 48	0 56	22 57	0 36	12 49	13 8	2 59	5 9	5 35					
M18	13 58	17 15	4 40	4 3	2 12	21 51	0 51	13 2	0 14	2 1	1 7	6 26	1 55	20 31	0 6	8 48	0 56	22 58	0 36	12 52	13 9	2 56	5 8	5 35					
T 19	14 17	22 11	5 0	4 0	2 22	22 7	0 54	13 17	0 13	1 56	1 7	6 23	1 55	20 31	0 6	8 47	0 56	22 58	0 36	12 55	13 10	2 53	5 7	5 36					
W20	14 35	25 41	5 0	3 59	2 31	22 22	0 57	13 32	0 13	1 52	1 7	6 21	1 55	20 32	0 6	8 47	0 56	22 58	0 36	12 59	13 11	2 49	5 6	5 36					
T 21	14 54	27 31	4 42	4 2	2 39	22 37	0 59	13 47	0 12	1 47	1 7	6 19	1 55	20 33	0 6	8 46	0 56	22 58	0 36	13 2	13 13	2 46	5 5	5 36					
F 22	15 12	27 39	4 9	4 6	2 47	22 51	1 2	14 2	0 11	1 42	1 7	6 18	1 55	20 33	0 6	8 46	0 56	22 58	0 37	13 5	13 14	2 43	5 4	5 36					
S 23	15 30	26 13	3 23	4 13	2 53	23 4	1 4	14 17	0 11	1 37	1 8	6 16	1 55	20 34	0 6	8 45	0 56	22 58	0 37	13 7	13 15	2 39	5 3	5 37					
S 24	15 47	23 29	2 29	4 22	2 59	23 17	1 7	14 31	0 10	1 32	1 8	6 14	1 56	20 35	0 6	8 45	0 56	22 59	0 37	13 8	13 16	2 36	5 2	5 37					
M25	16 5	19 43	1 30	4 33	3 3	23 29	1 9	14 46	0 10	1 27	1 8	6 12	1 56	20 35	0 6	8 44	0 56	22 59	0 37	13 8	13 17	2 33	5 1	5 37					
T 26	16 22	15 14	0 27	4 47	3 7	23 41	1 12	15 0	0 9	1 23	1 8	6 10	1 56	20 36	0 6	8 44	0 56	22 59	0 37	13 8	13 18	2 29	5 0	5 37					
W27	16 39	10 14	0n36	5 2	3 11	23 52	1 14	15 14	0 8	1 18	1 8	6 8	1 56	20 37	0 6	8 44	0 56	22 59	0 37	13 8	13 19	2 26	4 59	5 38					
T 28	16 55	4 54	1 37	5 19	3 13	24 2	1 16	15 28	0 8	1 13	1 8	6 6	1 56	20 38	0 6	8 43	0 56	22 59	0 37	13 9	13 20	2 23	4 59	5 38					
F 29	17 12	0n36	2 33	5 38	3 15	24 12	1 18	15 42	0 7	1 9	1 9	6 4	1 57	20 38	0 6	8 43	0 56	22 59	0 37	13 10	13 21	2 19	4 58	5 38					
S 30	17n28	6n 7	3n24	5n59	3s16	24n21	1n21	15n55	0s 6	1s 4	1s 9	6s 3	1s57	20n39	0s 6	8s42	0s56	23s 0	0s37	13s12	13s22	2s16	4s57	5n38					

ASTRODIENST EPHEMERIS for the year 1524

geocentric

MAY 1524 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	15 13 34	19♌46'26	19♍34	24♍10	19♍41	14♌32	0♍9	19♌22	2♌44	10♌2	17°R21	24°R57	24≈31	19♌24	3♌38	S 1	
M 2	15 17 31	20°44'12	1♌48	25°14	20°53	15°15	0°21	19°26	2°47	10°3	17♌20	24≈46	24°28	19°31	3°40	M 2	
T 3	15 21 27	21°41'57	14°15	26°22	22°5	15°58	0°33	19°31	2°51	10°4	17°19	24°33	24°24	19°38	3°41	T 3	
W 4	15 25 24	22°39'40	26°56	27°32	23°17	16°42	0°44	19°36	2°54	10°5	17°19	24°20	24°21	19°44	3°43	W 4	
T 5	15 29 20	23°37'23	9♍50	28°45	24°29	17°25	0°56	19°40	2°58	10°6	17°18	24°7	24°18	19°51	3°44	T 5	
F 6	15 33 17	24°35'04	22°57	0♌1	25°41	18°8	1°7	19°45	3°1	10°6	17°17	23°56	24°15	19°57	3°46	F 6	
S 7	15 37 13	25°32'43	6♌15	1°19	26°52	18°51	1°18	19°49	3°5	10°7	17°17	23°48	24°12	20°4	3°47	S 7	
S 8	15 41 10	26°30'21	19°44	2°40	28°4	19°34	1°29	19°54	3°8	10°8	17°16	23°42	24°9	20°11	3°48	S 8	
M 9	15 45 7	27°27'57	3♌23	4°4	29°16	20°17	1°40	19°58	3°12	10°9	17°15	23°39	24°5	20°17	3°49	M 9	
T 10	15 49 3	28°25'32	17°12	5°30	0♌27	20°59	1°51	20°2	3°15	10°10	17°14	23°38	24°2	20°24	3°50	T 10	
W 11	15 53 0	29°23'06	1♍11	6°59	1°39	21°42	2°2	20°6	3°19	10°11	17°13	23°38	23°59	20°31	3°51	W 11	
T 12	15 56 56	0♌20'38	15°20	8°30	2°51	22°25	2°13	20°10	3°23	10°11	17°12	23°38	23°56	20°37	3°52	T 12	
F 13	16 0 53	1°18'08	29°38	10°3	4°2	23°8	2°24	20°14	3°26	10°12	17°12	23°36	23°53	20°44	3°53	F 13	
S 14	16 4 49	2°15'37	14♌3	11°39	5°13	23°50	2°34	20°18	3°30	10°13	17°11	23°31	23°49	20°51	3°54	S 14	
S 15	16 8 46	3°13'05	28°30	13°18	6°25	24°33	2°45	20°22	3°33	10°13	17°10	23°24	23°46	20°57	3°55	S 15	
M 16	16 12 42	4°10'32	12♌54	14°59	7°36	25°15	2°55	20°25	3°37	10°14	17°9	23°14	23°43	21°4	3°56	M 16	
T 17	16 16 39	5°7'57	27°10	16°42	8°47	25°58	3°5	20°29	3°40	10°14	17°8	23°3	23°40	21°11	3°56	T 17	
W 18	16 20 36	6°5'22	11♌12	18°28	9°58	26°40	3°16	20°32	3°44	10°15	17°7	22°52	23°37	21°17	3°57	W 18	
T 19	16 24 32	7°2'46	24°54	20°16	11°9	27°23	3°26	20°36	3°47	10°16	17°6	22°42	23°34	21°24	3°58	T 19	
F 20	16 28 29	8°0'09	8♌14	22°6	12°20	28°5	3°36	20°39	3°51	10°16	17°5	22°33	23°30	21°31	3°58	F 20	
S 21	16 32 25	8°57'31	21°11	23°59	13°31	28°47	3°45	20°42	3°54	10°16	17°4	22°27	23°27	21°37	3°59	S 21	
S 22	16 36 22	9°54'52	3≈47	25°54	14°42	29°30	3°55	20°46	3°58	10°17	17°3	22°23	23°24	21°44	3°59	S 22	
M 23	16 40 18	10°52'13	16°4	27°52	15°53	0♌12	4°5	20°49	4°1	10°17	17°2	22°22	23°21	21°51	4°0	M 23	
T 24	16 44 15	11°49'33	28°7	29°52	17°4	0°54	4°14	20°52	4°5	10°18	17°0	22°D22	23°18	21°57	4°0	T 24	
W 25	16 48 11	12°46'53	10♌0	1♌53	18°14	1°36	4°23	20°55	4°8	10°18	16°59	22°R22	23°15	22°4	4°0	W 25	
T 26	16 52 8	13°44'12	21°50	3°57	19°25	2°18	4°33	20°57	4°12	10°18	16°58	22°22	23°11	22°11	4°0	T 26	
F 27	16 56 5	14°41'31	3♍41	6°2	20°35	3°0	4°42	21°0	4°15	10°18	16°57	22°20	23°8	22°17	4°0	F 27	
S 28	17 0 1	15°38'49	15°38	8°9	21°46	3°42	4°51	21°3	4°19	10°19	16°56	22°16	23°5	22°24	4°0	S 28	
S 29	17 3 58	16°36'07	27°45	10°18	22°56	4°24	5°0	21°5	4°22	10°19	16°55	22°10	23°2	22°31	4°R 0	S 29	
M 30	17 7 54	17°33'24	10♌7	12°27	24°7	5°6	5°8	21°8	4°26	10°19	16°53	22°1	22°59	22°37	4°0	M 30	
T 31	17 11 51	18♌30'41	22♌46	14♌38	25♌17	5♌47	5♍17	21♌10	4♌29	10♌19	16♌52	21≈51	22≈55	22♌44	4♌0	T 31	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	17n44	11n27	4n 6	6n22	3s16	24n29	1n23	16n 9	0s 6	1s 0	1s 9	6s 1	1s57	20n40	0s 6	8s42	0s56
M 2	17 59	16 27	4 37	6 46	3 15	24 36	1 25	16 22	0 5	0 55	1 9	5 59	1 57	20 40	0 6	8 42	0 57
T 3	18 14	20 51	4 55	7 11	3 14	24 43	1 27	16 36	0 4	0 51	1 9	5 58	1 58	20 41	0 6	8 41	0 57
W 4	18 29	24 53	5 0	7 38	3 12	24 49	1 29	16 49	0 4	0 46	1 9	5 56	1 58	20 42	0 6	8 41	0 57
T 5	18 44	26 45	4 49	8 6	3 10	24 54	1 31	17 1	0 3	0 42	1 10	5 54	1 58	20 42	0 6	8 41	0 57
F 6	18 58	27 42	4 23	8 36	3 7	24 59	1 33	17 14	0 3	0 37	1 10	5 53	1 58	20 43	0 6	8 40	0 57
S 7	19 12	27 3	3 42	9 6	3 3	25 3	1 35	17 27	0 2	0 33	1 10	5 51	1 58	20 44	0 6	8 40	0 57
S 8	19 26	24 50	2 49	9 38	2 58	25 6	1 37	17 39	0 1	0 29	1 10	5 50	1 59	20 44	0 6	8 40	0 57
M 9	19 39	21 9	1 45	10 11	2 53	25 9	1 39	17 51	0 1	0 24	1 10	5 48	1 59	20 45	0 6	8 40	0 57
T 10	19 52	16 16	0 34	10 45	2 48	25 11	1 40	18 3	0n 0	0 20	1 11	5 47	1 59	20 46	0 6	8 39	0 57
W 11	20 4	10 28	0s40	11 20	2 42	25 12	1 42	18 15	0 1	0 16	1 11	5 46	1 59	20 46	0 6	8 39	0 57
T 12	20 17	4 4	1 52	11 55	2 35	25 12	1 44	18 27	0 1	0 12	1 11	5 44	2 0	20 47	0 6	8 39	0 57
F 13	20 29	2s35	2 58	12 32	2 28	25 12	1 45	18 38	0 2	0 8	1 11	5 43	2 0	20 48	0 6	8 39	0 57
S 14	20 40	9 8	3 53	13 9	2 20	25 11	1 47	18 49	0 3	0 4	1 11	5 42	2 0	20 48	0 6	8 38	0 57
S 15	20 51	15 13	4 33	13 46	2 12	25 9	1 48	19 1	0 3	0n 0	1 12	5 40	2 0	20 49	0 6	8 38	0 57
M 16	21 2	20 27	4 56	14 24	2 4	25 6	1 49	19 12	0 4	0 4	1 12	5 39	2 1	20 50	0 6	8 38	0 57
T 17	21 13	24 27	5 0	15 2	1 55	25 3	1 51	19 22	0 4	0 8	1 12	5 38	2 1	20 51	0 6	8 38	0 57
W 18	21 23	26 54	4 46	15 41	1 45	24 59	1 52	19 33	0 5	0 12	1 12	5 37	2 1	20 51	0 6	8 38	0 57
T 19	21 33	27 39	4 15	16 19	1 36	24 55	1 53	19 43	0 6	0 16	1 12	5 36	2 1	20 52	0 6	8 37	0 57
F 20	21 42	26 46	3 31	16 58	1 26	24 49	1 54	19 53	0 6	0 19	1 13	5 34	2 1	20 53	0 6	8 37	0 57
S 21	21 51	24 25	2 37	17 36	1 15	24 43	1 55	20 3	0 7	0 23	1 13	5 33	2 2	20 53	0 6	8 37	0 57
S 22	22 0	20 56	1 37	18 14	1 5	24 37	1 56	20 13	0 8	0 27	1 13	5 32	2 2	20 54	0 6	8 37	0 57
M 23	22 8	16 36	0 33	18 52	0 54	24 29	1 57	20 23	0 8	0 30	1 13	5 31	2 2	20 55	0 6	8 37	0 57
T 24	22 16	11 41	0n31	19 28	0 43	24 21	1 57	20 32	0 9	0 34	1 13	5 30	2 2	20 55	0 6	8 37	0 57
W 25	22 23	6 25	1 33	20 4	0 32	24 12	1 58	20 42	0 10	0 37	1 14	5 30	2 3	20 56	0 6	8 37	0 57
T 26	22 31	0 57	2 30	20 39	0 21	24 3	1 59	20 51	0 10	0 41	1 14	5 29	2 3	20 57	0 6	8 37	0 58
F 27	22 37	4n33	3 21	21 12	0 10	23 53	1 59	20 59	0 11	0 44	1 14	5 28	2 3	20 57	0 6	8 37	0 58
S 28	22 44	9 55	4 4	21 44	0n 1	23 42	1 59	21 8	0 11	0 48	1 14	5 27	2 4	20 58	0 6	8 37	0 58
S 29	22 50	15 0	4 37	22 15	0 12	23 31	2 0	21 17	0 12	0 51	1 15	5 26	2 4	20 58	0 6	8 37	0 58
M 30	22 55	19 35	4 57	22 43	0 22	23 19	2 0	21 25	0 13	0 54	1 15	5 25	2 4	20 59	0 6	8 37	0 58
T 31	23n 0	23n24	5n 3	23n 9	0n32	23n 6	2n 0	21n33	0n13	0n57	1s15	5s25	2s 4	21n 0	0s 6	8s37	0s58

Julian Day Number = 2277819.5, Delta T = 237.33 sec

Ecliptic obliquity = 23°30'11", Nutation = 0°00'08", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°06'11", Lahiri = 17°13'12" Julian Calendar 1 May 1524 == Greg. Calendar 11 May 1524

ASTRODIENST EPHEMERIS for the year 1524

geocentric

JUNE 1524 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	17 15 47	19°11'27.58	5°11'42	16°11'49	26°26'27	6°11'29	5°11'25	21°11'12	4°11'33	10°11'19	16°11'51	21°11'41	22°11'52	22°11'51	4°11'0	W 1
T 2	17 19 44	20°25'14	18°56	19°1	27°37	7°11	5°34	21°14	4°36	10°19	16°50	21°30	22°49	22°57	4°11'0	T 2
F 3	17 23 40	21°22'30	2°24	21°12	28°47	7°52	5°42	21°17	4°40	10°19	16°48	21°22	22°46	23°4	4°11'0	F 3
S 4	17 27 37	22°19'46	16°6	23°24	29°57	8°34	5°50	21°18	4°43	10°19	16°47	21°15	22°43	23°11	3°59	S 4
S 5	17 31 34	23°17'00	29°58	25°35	1°18 7	9°16	5°58	21°20	4°46	10°19	16°46	21°11	22°40	23°17	3°59	S 5
M 6	17 35 30	24°14'15	13°258	27°45	2°17	9°57	6°5	21°22	4°50	10°19	16°45	21°9	22°36	23°24	3°58	M 6
T 7	17 39 27	25°11'28	28°2	29°55	3°26	10°38	6°13	21°24	4°53	10°19	16°43	21°D 9	22°33	23°31	3°58	T 7
W 8	17 43 23	26°8'41	12°10	28°3	4°36	11°20	6°20	21°25	4°56	10°19	16°42	21°10	22°30	23°37	3°57	W 8
T 9	17 47 20	27°5'53	26°19	4°11	5°45	12°1	6°28	21°27	5°0	10°19	16°41	21°R10	22°27	23°44	3°57	T 9
F 10	17 51 16	28°3'05	10°29	6°16	6°55	12°42	6°35	21°28	5°3	10°19	16°39	21°9	22°24	23°51	3°56	F 10
S 11	17 55 13	29°0'16	24°37	8°20	8°4	13°24	6°42	21°29	5°6	10°18	16°38	21°7	22°21	23°57	3°55	S 11
S 12	17 59 10	29°57'27	8°42	10°23	9°13	14°5	6°49	21°31	5°10	10°18	16°36	21°2	22°17	24°4	3°54	S 12
M13	18 3 6	0°54'37	22°41	12°23	10°22	14°46	6°56	21°32	5°13	10°18	16°35	20°56	22°14	24°11	3°53	M13
T 14	18 7 3	1°51'47	6°10	14°22	11°31	15°27	7°2	21°33	5°16	10°17	16°34	20°48	22°11	24°17	3°52	T 14
W15	18 10 59	2°48'57	20°7	16°18	12°40	16°8	7°8	21°34	5°19	10°17	16°32	20°40	22°8	24°24	3°52	W15
T 16	18 14 56	3°46'07	3°28	18°13	13°49	16°49	7°15	21°34	5°23	10°17	16°31	20°33	22°5	24°31	3°50	T 16
F 17	18 18 52	4°43'16	16°32	20°6	14°57	17°30	7°21	21°35	5°26	10°16	16°29	20°27	22°1	24°37	3°49	F 17
S 18	18 22 49	5°40'26	29°18	21°57	16°6	18°11	7°27	21°36	5°29	10°16	16°28	20°23	21°58	24°44	3°48	S 18
S 19	18 26 45	6°37'36	11°46	23°45	17°14	18°51	7°32	21°36	5°32	10°15	16°27	20°21	21°55	24°51	3°47	S 19
M20	18 30 42	7°34'46	24°0	25°32	18°23	19°32	7°38	21°37	5°35	10°15	16°25	20°D21	21°52	24°57	3°46	M20
T 21	18 34 39	8°31'56	6°1	27°17	19°31	20°13	7°44	21°37	5°38	10°14	16°24	20°22	21°49	25°4	3°44	T 21
W22	18 38 35	9°29'07	17°54	28°59	20°39	20°54	7°49	21°37	5°42	10°14	16°22	20°23	21°46	25°11	3°43	W22
T 23	18 42 32	10°26'18	29°44	0°40	21°47	21°34	7°54	21°R37	5°45	10°13	16°21	20°25	21°42	25°17	3°42	T 23
F 24	18 46 28	11°23'29	11°36	2°19	22°55	22°15	7°59	21°37	5°48	10°12	16°19	20°R25	21°39	25°24	3°40	F 24
S 25	18 50 25	12°20'41	23°34	3°55	24°2	22°55	8°4	21°37	5°51	10°12	16°18	20°24	21°36	25°31	3°39	S 25
S 26	18 54 21	13°17'53	5°44	5°30	25°10	23°36	8°8	21°37	5°54	10°11	16°17	20°22	21°33	25°37	3°37	S 26
M27	18 58 18	14°15'06	18°10	7°2	26°17	24°16	8°13	21°36	5°57	10°10	16°15	20°18	21°30	25°44	3°36	M27
T 28	19 2 14	15°12'20	0°154	8°33	27°24	24°57	8°17	21°36	6°0	10°10	16°14	20°14	21°27	25°51	3°34	T 28
W29	19 6 11	16°9'34	13°59	10°1	28°32	25°37	8°21	21°35	6°2	10°9	16°12	20°8	21°23	25°57	3°32	W29
T 30	19 10 8	17°6'49	27°126	11°27	29°139	26°117	8°17	21°35	6°11	10°8	16°11	20°3	21°20	26°11	3°30	T 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	23n 5	26n 9	4n55	23n33	0n42	22n53	2n 0	21n41	0n14	1n 0	1s15	5s24	2s 5	21n 0	0s 6	W 1
T 2	23 9	27 31	4 30	23 54	0 51	22 39	2 0	21 48	0 15	1 3	1 16	5 24	2 5	21 1	0 6	T 2
F 3	23 13	27 19	3 50	24 13	1 0	22 25	2 0	21 56	0 15	1 7	1 16	5 23	2 5	21 2	0 6	F 3
S 4	23 17	25 26	2 56	24 29	1 9	22 10	2 0	22 3	0 16	1 9	1 16	5 22	2 5	21 2	0 6	S 4
S 5	23 20	22 1	1 51	24 42	1 16	21 54	1 59	22 10	0 16	1 12	1 16	5 22	2 6	21 3	0 6	S 5
M 6	23 23	17 18	0 38	24 52	1 23	21 38	1 59	22 17	0 17	1 15	1 17	5 21	2 6	21 4	0 6	M 6
T 7	23 25	11 37	0s37	25 0	1 30	21 21	1 58	22 24	0 18	1 18	1 17	5 21	2 6	21 4	0 6	T 7
W 8	23 27	5 19	1 50	25 5	1 35	21 4	1 58	22 30	0 18	1 21	1 17	5 21	2 6	21 5	0 6	W 8
T 9	23 28	1s15	2 57	25 7	1 40	20 46	1 57	22 36	0 19	1 23	1 17	5 20	2 7	21 5	0 6	T 9
F 10	23 29	7 44	3 53	25 6	1 45	20 28	1 56	22 42	0 20	1 26	1 18	5 20	2 7	21 6	0 6	F 10
S 11	23 30	13 49	4 35	25 2	1 48	20 9	1 55	22 48	0 20	1 29	1 18	5 20	2 7	21 7	0 6	S 11
S 12	23 30	19 10	5 0	24 56	1 51	19 50	1 54	22 54	0 21	1 31	1 18	5 20	2 7	21 7	0 6	S 12
M13	23 30	23 26	5 7	24 48	1 53	19 30	1 53	22 59	0 21	1 33	1 18	5 20	2 8	21 8	0 6	M13
T 14	23 29	26 18	4 56	24 37	1 54	19 10	1 52	23 4	0 22	1 36	1 19	5 19	2 8	21 8	0 6	T 14
W15	23 28	27 35	4 28	24 24	1 55	18 49	1 50	23 9	0 23	1 38	1 19	5 19	2 8	21 9	0 6	W15
T 16	23 27	27 13	3 46	24 9	1 55	18 28	1 49	23 14	0 23	1 40	1 19	5 19	2 9	21 10	0 6	T 16
F 17	23 25	25 20	2 52	23 52	1 54	18 6	1 47	23 19	0 24	1 42	1 19	5 19	2 9	21 10	0 6	F 17
S 18	23 23	22 10	1 51	23 33	1 52	17 44	1 46	23 23	0 24	1 45	1 20	5 19	2 9	21 11	0 6	S 18
S 19	23 20	18 3	0 46	23 13	1 50	17 22	1 44	23 27	0 25	1 47	1 20	5 19	2 9	21 11	0 6	S 19
M20	23 17	13 15	0n20	22 51	1 48	16 59	1 42	23 31	0 26	1 49	1 20	5 19	2 10	21 12	0 6	M20
T 21	23 14	8 2	1 24	22 28	1 44	16 36	1 40	23 35	0 26	1 50	1 21	5 19	2 10	21 12	0 6	T 21
W22	23 10	2 35	2 24	22 3	1 40	16 12	1 38	23 38	0 27	1 52	1 21	5 20	2 10	21 13	0 6	W22
T 23	23 5	2n55	3 18	21 37	1 36	15 48	1 36	23 42	0 28	1 54	1 21	5 20	2 10	21 14	0 6	T 23
F 24	23 1	8 19	4 3	21 10	1 31	15 24	1 34	23 45	0 28	1 56	1 21	5 20	2 11	21 14	0 6	F 24
S 25	22 56	13 29	4 38	20 42	1 25	14 59	1 31	23 47	0 29	1 57	1 22	5 20	2 11	21 15	0 6	S 25
S 26	22 50	18 12	5 1	20 14	1 19	14 34	1 29	23 50	0 29	1 59	1 22	5 21	2 11	21 15	0 6	S 26
M27	22 44	22 15	5 11	19 44	1 13	14 8	1 26	23 53	0 30	2 0	1 22	5 21	2 11	21 16	0 6	M27
T 28	22 38	25 23	5 6	19 14	1 6	13 43	1 24	23 55	0 31	2 2	1 22	5 21	2 12	21 16	0 6	T 28
W29	22 31	27 15	4 45	18 43	0 58	13 17	1 21	23 57	0 31	2 3	1 23	5 22	2 12	21 17	0 6	W29
T 30	22n24	27n37	4n 8	18n12	0n51	12n50	1n18	23n59	0n32	2n 4	1s23	5s22	2s12	21n17	0s 6	T 30

Julian Day Number = 2277850.5, Delta T = 237.14 sec

Ecliptic obliquity = 23°30'11", Nutation = 0°00'09", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°06'16", Lahiri = 17°13'16" Julian Calendar 1 June 1524 == Greg. Calendar 11 June 1524

ASTRODIENST EPHEMERIS for the year 1524
geocentric

JULY 1524 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	19 14 4	18 [☾] 4'04	11 [☾] 13	12 [♊] 51	0 [♈] 46	26 [♈] 57	8 [♈] 28	21 [♈] R34	6 [♈] 11	10 [♈] R 7	16 [♈] R 9	19 [♈] R58	21 [♈] 17	26 [♈] 11	3 [♈] R29	F 1
S 2	19 18 1	19° 1'20	25°18	14°13	1°52	27°38	8°32	21 [♈] 33	6°11	10 [♈] 6	16 [♈] 8	19 [♈] 55	21°14	26°17	3 [♈] 27	S 2
S 3	19 21 57	19°58'36	9 [♊] 35	15°33	2°59	28°18	8°35	21°32	6°14	10° 5	16° 6	19°53	21°11	26°24	3°25	S 3
M 4	19 25 54	20°55'53	24° 0	16°50	4° 5	28°58	8°38	21°31	6°16	10° 5	16° 5	19°D53	21° 7	26°31	3°23	M 4
T 5	19 29 50	21°53'10	8 [♊] 28	18° 6	5°12	29°38	8°41	21°30	6°19	10° 4	16° 3	19°54	21° 4	26°37	3°21	T 5
W 6	19 33 47	22°50'27	22°54	19°18	6°18	0 [♊] 18	8°44	21°29	6°22	10° 3	16° 2	19°55	21° 1	26°44	3°19	W 6
T 7	19 37 43	23°47'45	7 [♊] 15	20°29	7°24	0°58	8°47	21°28	6°25	10° 2	16° 1	19°57	20°58	26°51	3°17	T 7
F 8	19 41 40	24°45'02	21°28	21°37	8°29	1°38	8°49	21°26	6°27	10° 1	15°59	19°R57	20°55	26°57	3°15	F 8
S 9	19 45 37	25°42'21	5 [♊] 30	22°42	9°35	2°18	8°51	21°25	6°30	10° 0	15°58	19°57	20°52	27° 4	3°13	S 9
S 10	19 49 33	26°39'40	19°21	23°45	10°40	2°58	8°53	21°23	6°32	9°58	15°56	19°56	20°48	27°11	3°10	S 10
M 11	19 53 30	27°36'59	3 [♊] 0	24°45	11°45	3°37	8°55	21°21	6°35	9°57	15°55	19°53	20°45	27°17	3° 8	M 11
T 12	19 57 26	28°34'19	16°25	25°42	12°50	4°17	8°56	21°20	6°37	9°56	15°53	19°51	20°42	27°24	3° 6	T 12
W 13	20 1 23	29°31'39	29°36	26°36	13°55	4°57	8°58	21°18	6°40	9°55	15°52	19°48	20°39	27°31	3° 4	W 13
T 14	20 5 19	0 [♊] 29'00	12 [♊] 34	27°27	15° 0	5°36	8°59	21°16	6°42	9°54	15°51	19°45	20°36	27°38	3° 1	T 14
F 15	20 9 16	1°26'22	25°17	28°14	16° 4	6°16	9° 0	21°14	6°45	9°53	15°49	19°43	20°33	27°44	2°59	F 15
S 16	20 13 13	2°23'45	7 [♊] 47	28°58	17° 8	6°56	9° 1	21°12	6°47	9°52	15°48	19°42	20°29	27°51	2°56	S 16
S 17	20 17 9	3°21'08	20° 4	29°39	18°12	7°35	9° 2	21° 9	6°49	9°50	15°47	19°D41	20°26	27°58	2°54	S 17
M 18	20 21 6	4°18'33	2 [♊] 10	0 [♊] 15	19°16	8°14	9° 2	21° 7	6°51	9°49	15°45	19°42	20°23	28° 4	2°51	M 18
T 19	20 25 2	5°15'58	14° 8	0°48	20°19	8°54	9° 2	21° 5	6°54	9°48	15°44	19°42	20°20	28°11	2°49	T 19
W 20	20 28 59	6°13'25	26° 0	1°17	21°23	9°33	9°R 2	21° 2	6°56	9°47	15°42	19°44	20°17	28°18	2°46	W 20
T 21	20 32 55	7°10'53	7 [♊] 49	1°41	22°26	10°13	9° 2	20°59	6°58	9°45	15°41	19°45	20°13	28°24	2°44	T 21
F 22	20 36 52	8° 8'22	19°41	2° 0	23°28	10°52	9° 2	20°57	7° 0	9°44	15°40	19°46	20°10	28°31	2°41	F 22
S 23	20 40 48	9° 5'53	1 [♊] 39	2°15	24°31	11°31	9° 1	20°54	7° 2	9°43	15°39	19°46	20° 7	28°38	2°39	S 23
S 24	20 44 45	10° 3'25	13°48	2°25	25°33	12°10	9° 0	20°51	7° 4	9°41	15°37	19°R47	20° 4	28°44	2°36	S 24
M 25	20 48 41	11° 0'58	26°12	2°R30	26°35	12°49	9° 0	20°48	7° 6	9°40	15°36	19°46	20° 1	28°51	2°33	M 25
T 26	20 52 38	11°58'33	8 [♊] 56	2°30	27°37	13°28	8°58	20°45	7° 8	9°38	15°35	19°46	19°58	28°58	2°30	T 26
W 27	20 56 35	12°56'10	22° 2	2°24	28°38	14° 8	8°57	20°42	7°10	9°37	15°33	19°45	19°54	29° 4	2°28	W 27
T 28	21 0 31	13°53'48	5 [♊] 33	2°12	29°39	14°47	8°55	20°39	7°12	9°36	15°32	19°44	19°51	29°11	2°25	T 28
F 29	21 4 28	14°51'27	19°29	1°55	0 [♊] 40	15°26	8°54	20°36	7°14	9°34	15°31	19°43	19°48	29°18	2°22	F 29
S 30	21 8 24	15°49'08	3 [♊] 47	1°33	1°40	16° 4	8°52	20°32	7°16	9°33	15°30	19°43	19°45	29°24	2°19	S 30
S 31	21 12 21	16 [♊] 46'50	18 [♊] 24	1 [♊] 5	2 [♊] 40	16 [♊] 43	8 [♊] 50	20 [♊] 29	7 [♊] 17	9 [♊] 31	15 [♊] 29	19°D43	19 [♊] 42	29 [♊] 31	2 [♊] 16	S 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	22n17	26n17	3n16	17n40	0n42	12n24	1n15	24n 0	0n32	2n 6	1s23	5s23	2s13	21n18	0s 6	F 1
S 2	22 9	23 16	2 11	17 9	0 34	11 57	1 12	24 2	0 33	2 7	1 24	5 23	2 13	21 18	0 6	S 2
S 3	22 1	18 48	0 56	16 36	0 25	11 30	1 8	24 3	0 34	2 8	1 24	5 24	2 13	21 19	0 6	S 3
M 4	21 52	13 12	0s23	16 4	0 15	11 3	1 5	24 4	0 34	2 9	1 24	5 25	2 13	21 19	0 6	M 4
T 5	21 43	6 52	1 40	15 32	0 5	10 35	1 2	24 5	0 35	2 10	1 25	5 25	2 14	21 20	0 6	T 5
W 6	21 34	0 12	2 51	15 0	0s 5	10 7	0 58	24 5	0 35	2 10	1 25	5 26	2 14	21 20	0 6	W 6
T 7	21 24	6s25	3 51	14 28	0 15	9 40	0 54	24 6	0 36	2 11	1 25	5 27	2 14	21 21	0 6	T 7
F 8	21 14	12 39	4 37	13 56	0 26	9 11	0 51	24 6	0 36	2 12	1 25	5 28	2 14	21 21	0 6	F 8
S 9	21 4	18 10	5 5	13 24	0 37	8 43	0 47	24 6	0 37	2 12	1 26	5 28	2 15	21 21	0 6	S 9
S 10	20 53	22 39	5 14	12 53	0 48	8 15	0 43	24 6	0 38	2 13	1 26	5 29	2 15	21 22	0 6	S 10
M 11	20 42	25 49	5 6	12 23	0 59	7 46	0 39	24 5	0 38	2 13	1 26	5 30	2 15	21 22	0 6	M 11
T 12	20 30	27 28	4 41	11 52	1 11	7 17	0 34	24 5	0 39	2 14	1 27	5 31	2 15	21 23	0 6	T 12
W 13	20 18	27 32	4 2	11 23	1 23	6 48	0 30	24 4	0 39	2 14	1 27	5 32	2 16	21 23	0 6	W 13
T 14	20 6	26 4	3 11	10 54	1 35	6 19	0 26	24 3	0 40	2 14	1 27	5 33	2 16	21 24	0 6	T 14
F 15	19 54	23 17	2 11	10 27	1 47	5 50	0 21	24 2	0 41	2 14	1 27	5 34	2 16	21 24	0 6	F 15
S 16	19 41	19 25	1 5	10 0	1 59	5 21	0 17	24 0	0 41	2 14	1 28	5 35	2 16	21 24	0 6	S 16
S 17	19 27	14 48	0n 2	9 35	2 11	4 52	0 12	23 59	0 42	2 14	1 28	5 36	2 17	21 25	0 6	S 17
M 18	19 14	9 40	1 9	9 10	2 24	4 22	0 7	23 57	0 42	2 14	1 28	5 37	2 17	21 25	0 6	M 18
T 19	19 0	4 15	2 11	8 47	2 36	3 53	0 2	23 55	0 43	2 14	1 29	5 39	2 17	21 26	0 6	T 19
W 20	18 46	1n16	3 8	8 26	2 48	3 23	0s 3	23 53	0 43	2 14	1 29	5 40	2 17	21 26	0 6	W 20
T 21	18 32	6 43	3 56	8 6	3 0	2 54	0 8	23 50	0 44	2 13	1 29	5 41	2 17	21 26	0 6	T 21
F 22	18 17	11 57	4 34	7 48	3 12	2 24	0 13	23 48	0 45	2 13	1 29	5 42	2 18	21 27	0 6	F 22
S 23	18 2	16 47	5 1	7 32	3 23	1 55	0 18	23 45	0 45	2 13	1 30	5 44	2 18	21 27	0 6	S 23
S 24	17 46	21 2	5 15	7 18	3 35	1 25	0 23	23 42	0 46	2 12	1 30	5 45	2 18	21 27	0 6	S 24
M 25	17 31	24 27	5 15	7 6	3 45	0 55	0 29	23 39	0 46	2 11	1 30	5 46	2 18	21 28	0 6	M 25
T 26	17 15	26 47	4 59	6 57	3 56	0 26	0 34	23 36	0 47	2 11	1 31	5 48	2 19	21 28	0 6	T 26
W 27	16 59	27 43	4 28	6 50	4 5	0s 4	0 40	23 32	0 48	2 10	1 31	5 49	2 19	21 28	0 6	W 27
T 28	16 42	27 4	3 41	6 46	4 14	0 34	0 46	23 29	0 48	2 9	1 31	5 51	2 19	21 29	0 6	T 28
F 29	16 25	24 43	2 40	6 45	4 22	1 3	0 52	23 25	0 49	2 8	1 31	5 52	2 19	21 29	0 6	F 29
S 30	16 8	20 46	1 27	6 46	4 28	1 33	0 57	23 21	0 49	2 7	1 32	5 54	2 19	21 29	0 6	S 30
S 31	15n51	15n28	0n 7	6n51	4s34	2s 2	1s 3	23n17	0n50	2n 6	1s32	5s55	2s20	21n30	0s 6	S 31

Julian Day Number = 2277880.5, Delta T = 236.95 sec

Ecliptic obliquity = 23°30'10, Nutation = 0°00'11, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°06'20, Lahiri = 17°13'20 Julian Calendar 1 July 1524 == Greg. Calendar 11 July 1524

ASTRODIENST EPHEMERIS for the year 1524

geocentric

AUGUST 1524 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	21 16 17	17♌44'33	3♍12	0°R32	3♌40	17♌22	8°R47	20°R26	7♍19	9°R30	15°R27	19♌43	19♌39	29♋38	2°R14	M 1
T 2	21 20 14	18°42'18	18° 5	29♌54	4°40	18° 1	8°Y45	20♋22	7°21	9♋28	15♌26	19°43	19°35	29°44	2♋11	T 2
W 3	21 24 11	19°40'03	2♌55	29°12	5°39	18°40	8°42	20°19	7°22	9°27	15°25	19°R43	19°32	29°51	2° 8	W 3
T 4	21 28 7	20°37'50	17°36	28°25	6°37	19°18	8°39	20°15	7°24	9°25	15°24	19°43	19°29	29°58	2° 5	T 4
F 5	21 32 4	21°35'38	2♌ 1	27°36	7°36	19°57	8°36	20°11	7°25	9°24	15°23	19°43	19°26	0°Y 4	2° 2	F 5
S 6	21 36 0	22°33'28	16° 8	26°44	8°34	20°36	8°33	20° 7	7°27	9°22	15°22	19°D43	19°23	0°11	1°59	S 6
S 7	21 39 57	23°31'18	29°55	25°50	9°31	21°14	8°29	20° 4	7°28	9°20	15°21	19°43	19°19	0°18	1°56	S 7
M 8	21 43 53	24°29'10	13♌22	24°56	10°28	21°53	8°26	20° 0	7°29	9°19	15°20	19°43	19°16	0°24	1°53	M 8
T 9	21 47 50	25°27'03	26°31	24° 3	11°25	22°31	8°22	19°56	7°31	9°17	15°19	19°44	19°13	0°31	1°50	T 9
W10	21 51 46	26°24'58	9♌24	23°12	12°21	23°10	8°18	19°52	7°32	9°16	15°17	19°44	19°10	0°38	1°47	W10
T 11	21 55 43	27°22'53	22° 1	22°23	13°17	23°48	8°13	19°48	7°33	9°14	15°17	19°45	19° 7	0°44	1°44	T 11
F 12	21 59 40	28°20'50	4♌26	21°38	14°12	24°26	8° 9	19°44	7°34	9°12	15°16	19°45	19° 4	0°51	1°41	F 12
S 13	22 3 36	29°18'49	16°40	20°59	15° 6	25° 5	8° 5	19°39	7°35	9°11	15°15	19°R46	19° 0	0°58	1°38	S 13
S 14	22 7 33	0♍16'49	28°45	20°25	16° 1	25°43	8° 0	19°35	7°37	9° 9	15°14	19°46	18°57	1° 5	1°35	S 14
M15	22 11 29	1°14'51	10♋43	19°58	16°54	26°21	7°55	19°31	7°38	9° 8	15°13	19°45	18°54	1°11	1°33	M15
T 16	22 15 26	2°12'54	22°36	19°38	17°47	26°59	7°50	19°27	7°39	9° 6	15°12	19°44	18°51	1°18	1°30	T 16
W17	22 19 22	3°10'59	4°Y26	19°27	18°39	27°37	7°45	19°22	7°39	9° 4	15°11	19°42	18°48	1°25	1°27	W17
T 18	22 23 19	4° 9'06	16°16	19°D23	19°31	28°15	7°39	19°18	7°40	9° 3	15°10	19°40	18°45	1°31	1°24	T 18
F 19	22 27 15	5° 7'15	28° 8	19°28	20°22	28°53	7°34	19°14	7°41	9° 1	15° 9	19°37	18°41	1°38	1°21	F 19
S 20	22 31 12	6° 5'26	10♌ 6	19°42	21°13	29°31	7°28	19° 9	7°42	8°59	15° 9	19°36	18°38	1°45	1°18	S 20
S 21	22 35 8	7° 3'39	22°14	20° 5	22° 3	0♌ 9	7°22	19° 5	7°43	8°58	15° 8	19°34	18°35	1°51	1°15	S 21
M22	22 39 5	8° 1'54	4♍36	20°36	22°52	0°47	7°16	19° 0	7°43	8°56	15° 7	19°D33	18°32	1°58	1°12	M22
T 23	22 43 2	9° 0'11	17°15	21°16	23°40	1°25	7°10	18°56	7°44	8°54	15° 6	19°34	18°29	2° 5	1° 9	T 23
W24	22 46 58	9°58'31	0♌61	22° 4	24°28	2° 3	7° 4	18°51	7°45	8°53	15° 6	19°34	18°25	2°11	1° 6	W24
T 25	22 50 55	10°56'52	13°42	23° 0	25°15	2°41	6°57	18°47	7°45	8°51	15° 5	19°36	18°22	2°18	1° 3	T 25
F 26	22 54 51	11°55'16	27°35	24° 3	26° 1	3°18	6°51	18°42	7°45	8°49	15° 4	19°37	18°19	2°25	1° 0	F 26
S 27	22 58 48	12°53'41	11♌54	25°12	26°46	3°56	6°44	18°37	7°46	8°48	15° 4	19°38	18°16	2°31	0°57	S 27
S 28	23 2 44	13°52'09	26°37	26°28	27°30	4°34	6°37	18°33	7°46	8°46	15° 3	19°R38	18°13	2°38	0°54	S 28
M29	23 6 41	14°50'38	11♍38	27°50	28°14	5°11	6°31	18°28	7°47	8°45	15° 2	19°37	18°10	2°45	0°51	M29
T 30	23 10 37	15°49'10	26°49	29°17	28°56	5°49	6°23	18°24	7°47	8°43	15° 2	19°35	18° 6	2°51	0°49	T 30
W31	23 14 34	16°47'43	11♌59	0♍48	29♌38	6♌26	6°Y16	18♋19	7♍47	8♋41	15♌ 1	19♌31	18♌ 3	2°Y58	0♋46	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	15n33	9n12	1s14	6n58	4s38	2s31	1s10	23n12	0n50	2n 5	1s32	5s57	2s20	21n30	0s 6	8s57
T 2	15 16	2 24	2 31	7 9	4 41	3 1	1 16	23 8	0 51	2 4	1 33	5 58	2 20	21 30	0 6	8 58
W 3	14 57	4s29	3 38	7 23	4 42	3 30	1 22	23 3	0 51	2 2	1 33	6 0	2 20	21 30	0 6	8 58
T 4	14 39	11 4	4 29	7 39	4 42	3 59	1 28	22 58	0 52	2 1	1 33	6 1	2 20	21 31	0 6	8 59
F 5	14 21	16 56	5 2	7 58	4 39	4 28	1 35	22 53	0 53	1 59	1 33	6 3	2 21	21 31	0 6	9 0
S 6	14 2	21 45	5 17	8 20	4 35	4 57	1 41	22 48	0 53	1 58	1 34	6 5	2 21	21 31	0 6	9 0
S 7	13 43	25 16	5 12	8 43	4 29	5 26	1 48	22 42	0 54	1 56	1 34	6 6	2 21	21 31	0 6	9 1
M 8	13 24	27 16	4 51	9 9	4 20	5 54	1 54	22 37	0 54	1 54	1 34	6 8	2 21	21 32	0 6	9 2
T 9	13 4	27 42	4 14	9 36	4 10	6 23	2 1	22 31	0 55	1 53	1 34	6 10	2 21	21 32	0 6	9 2
W10	12 45	26 35	3 26	10 4	3 59	6 51	2 7	22 25	0 55	1 51	1 35	6 11	2 21	21 32	0 6	9 3
T 11	12 25	24 8	2 28	10 32	3 45	7 19	2 14	22 19	0 56	1 49	1 35	6 13	2 21	21 32	0 6	9 3
F 12	12 5	20 34	1 24	11 0	3 30	7 47	2 21	22 13	0 57	1 47	1 35	6 15	2 22	21 32	0 6	9 4
S 13	11 45	16 9	0 17	11 28	3 14	8 14	2 28	22 7	0 57	1 45	1 35	6 17	2 22	21 33	0 6	9 5
S 14	11 24	11 10	0n50	11 55	2 57	8 42	2 35	22 0	0 58	1 43	1 36	6 18	2 22	21 33	0 6	9 5
M15	11 4	5 49	1 53	12 21	2 39	9 9	2 42	21 53	0 58	1 41	1 36	6 20	2 22	21 33	0 6	9 6
T 16	10 43	0 19	2 52	12 44	2 21	9 36	2 49	21 47	0 59	1 39	1 36	6 22	2 22	21 33	0 6	9 7
W17	10 22	5n10	3 43	13 6	2 2	10 3	2 56	21 40	0 59	1 36	1 36	6 24	2 22	21 33	0 6	9 7
T 18	10 1	10 28	4 24	13 25	1 43	10 29	3 3	21 33	1 0	1 34	1 36	6 26	2 22	21 33	0 6	9 8
F 19	9 40	15 24	4 54	13 41	1 25	10 55	3 11	21 25	1 0	1 32	1 37	6 28	2 23	21 34	0 6	9 8
S 20	9 18	19 48	5 11	13 54	1 6	11 21	3 18	21 18	1 1	1 29	1 37	6 29	2 23	21 34	0 6	9 9
S 21	8 57	23 27	5 15	14 4	0 48	11 47	3 25	21 10	1 2	1 27	1 37	6 31	2 23	21 34	0 6	9 10
M22	8 35	26 6	5 5	14 11	0 31	12 12	3 32	21 3	1 2	1 24	1 37	6 33	2 23	21 34	0 6	9 10
T 23	8 13	27 32	4 40	14 14	0 14	12 37	3 40	20 55	1 3	1 22	1 37	6 35	2 23	21 34	0 6	9 11
W24	7 51	27 30	4 0	14 13	0n 2	13 1	3 47	20 47	1 3	1 19	1 38	6 37	2 23	21 34	0 6	9 12
T 25	7 29	25 52	3 5	14 9	0 16	13 26	3 55	20 39	1 4	1 16	1 38	6 39	2 23	21 34	0 6	9 12
F 26	7 7	22 38	1 59	14 1	0 30	13 50	4 2	20 31	1 4	1 14	1 38	6 41	2 23	21 34	0 6	9 13
S 27	6 44	17 57	0 42	13 50	0 43	14 13	4 9	20 22	1 5	1 11	1 38	6 43	2 23	21 34	0 6	9 13
S 28	6 22	12 4	0s38	13 35	0 55	14 36	4 17	20 14	1 5	1 8	1 38	6 44	2 23	21 34	0 6	9 14
M29	5 59	5 24	1 58	13 16	1 5	14 59	4 24	20 5	1 6	1 5	1 38	6 46	2 23	21 34	0 6	9 15
T 30	5 36	1s38	3 10	12 55	1 14	15 21	4 32	19 57	1 6	1 2	1 39	6 48	2 24	21 34	0 6	9 15
W31	5n14	8s34	4s 9	12n30	1n23	15s43	4s39	19n48	1n 7	0n59	1s39	6s50	2s24	21n35	0s 5	9s16

Julian Day Number = 2277911.5, Delta T = 236.76 sec

Ecliptic obliquity = 23°30'11", Nutation = 0°00'12", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°06'24", Lahiri = 17°13'24" Julian Calendar 1 Aug. 1524 == Greg. Calendar 11 Aug. 1524

ASTRODIENST EPHEMERIS for the year 1524
geocentric

SEPTEMBER 1524 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	23 18 31	17 ^h 46'18"	27 ^h 00'	2 ^h 24'	0 ^h 18'	7 ^h 03'	6 ^h 09'	18 ^h 01'	7 ^h 47'	8 ^h 40'	15 ^h 01'	19 ^h 02'	18 ^h 00'	3 ^h 05'	0 ^h 43'	T 1
F 2	23 22 27	18 ^h 44'55"	11 ^h 43'	4 ^h 03'	0 ^h 57'	7 ^h 41'	6 ^h 09'	18 ^h 10'	7 ^h 47'	8 ^h 38'	15 ^h 00'	19 ^h 03'	17 ^h 57'	3 ^h 11'	0 ^h 40'	F 2
S 3	23 26 24	19 ^h 43'33"	26 ^h 01'	5 ^h 44'	1 ^h 36'	8 ^h 18'	5 ^h 54'	18 ^h 05'	7 ^h 47'	8 ^h 36'	15 ^h 00'	19 ^h 20'	17 ^h 54'	3 ^h 18'	0 ^h 37'	S 3
S 4	23 30 20	20 ^h 42'14"	9 ^h 54'	7 ^h 28'	2 ^h 13'	8 ^h 55'	5 ^h 47'	18 ^h 00'	7 ^h 47'	8 ^h 35'	15 ^h 00'	19 ^h 19'	17 ^h 50'	3 ^h 25'	0 ^h 35'	S 4
M 5	23 34 17	21 ^h 40'56"	23 ^h 21'	9 ^h 14'	2 ^h 48'	9 ^h 33'	5 ^h 39'	17 ^h 56'	7 ^h 47'	8 ^h 33'	14 ^h 59'	19 ^h 01'	17 ^h 47'	3 ^h 32'	0 ^h 32'	M 5
T 6	23 38 13	22 ^h 39'39"	6 ^h 23'	11 ^h 01'	3 ^h 23'	10 ^h 10'	5 ^h 32'	17 ^h 51'	7 ^h 47'	8 ^h 32'	14 ^h 59'	19 ^h 19'	17 ^h 44'	3 ^h 38'	0 ^h 29'	T 6
W 7	23 42 10	23 ^h 38'25"	19 ^h 05'	12 ^h 49'	3 ^h 56'	10 ^h 47'	5 ^h 24'	17 ^h 47'	7 ^h 47'	8 ^h 30'	14 ^h 59'	19 ^h 20'	17 ^h 41'	3 ^h 45'	0 ^h 27'	W 7
T 8	23 46 6	24 ^h 37'12"	1 ^h 00'	14 ^h 38'	4 ^h 28'	11 ^h 24'	5 ^h 16'	17 ^h 42'	7 ^h 47'	8 ^h 28'	14 ^h 58'	19 ^h 22'	17 ^h 38'	3 ^h 52'	0 ^h 24'	T 8
F 9	23 50 3	25 ^h 36'01"	13 ^h 42'	16 ^h 28'	4 ^h 58'	12 ^h 01'	5 ^h 08'	17 ^h 37'	7 ^h 47'	8 ^h 27'	14 ^h 58'	19 ^h 23'	17 ^h 35'	3 ^h 58'	0 ^h 21'	F 9
S 10	23 54 0	26 ^h 34'51"	25 ^h 44'	18 ^h 18'	5 ^h 27'	12 ^h 38'	5 ^h 01'	17 ^h 33'	7 ^h 46'	8 ^h 25'	14 ^h 58'	19 ^h 23'	17 ^h 31'	4 ^h 05'	0 ^h 19'	S 10
S 11	23 57 56	27 ^h 33'44"	7 ^h 40'	20 ^h 07'	5 ^h 55'	13 ^h 15'	4 ^h 53'	17 ^h 28'	7 ^h 46'	8 ^h 24'	14 ^h 58'	19 ^h 21'	17 ^h 28'	4 ^h 12'	0 ^h 16'	S 11
M 12	0 1 53	28 ^h 32'38"	19 ^h 31'	21 ^h 57'	6 ^h 20'	13 ^h 52'	4 ^h 45'	17 ^h 24'	7 ^h 45'	8 ^h 22'	14 ^h 57'	19 ^h 18'	17 ^h 25'	4 ^h 18'	0 ^h 14'	M 12
T 13	0 5 49	29 ^h 31'35"	1 ^h 02'	23 ^h 46'	6 ^h 44'	14 ^h 29'	4 ^h 37'	17 ^h 19'	7 ^h 45'	8 ^h 21'	14 ^h 57'	19 ^h 12'	17 ^h 22'	4 ^h 25'	0 ^h 11'	T 13
W 14	0 9 46	0 ^h 00'33"	13 ^h 12'	25 ^h 35'	7 ^h 07'	15 ^h 05'	4 ^h 29'	17 ^h 15'	7 ^h 44'	8 ^h 19'	14 ^h 57'	19 ^h 05'	17 ^h 19'	4 ^h 32'	0 ^h 09'	W 14
T 15	0 13 42	1 ^h 29'34"	25 ^h 05'	27 ^h 24'	7 ^h 27'	15 ^h 42'	4 ^h 21'	17 ^h 10'	7 ^h 44'	8 ^h 18'	14 ^h 57'	18 ^h 57'	17 ^h 16'	4 ^h 38'	0 ^h 06'	T 15
F 16	0 17 39	2 ^h 28'37"	7 ^h 01'	29 ^h 12'	7 ^h 46'	16 ^h 19'	4 ^h 12'	17 ^h 06'	7 ^h 43'	8 ^h 16'	14 ^h 57'	18 ^h 49'	17 ^h 12'	4 ^h 45'	0 ^h 04'	F 16
S 17	0 21 35	3 ^h 27'42"	19 ^h 03'	0 ^h 05'59"	8 ^h 03'	16 ^h 55'	4 ^h 04'	17 ^h 02'	7 ^h 43'	8 ^h 15'	14 ^h 57'	18 ^h 41'	17 ^h 09'	4 ^h 52'	0 ^h 02'	S 17
S 18	0 25 32	4 ^h 26'49"	1 ^h 11'14"	2 ^h 45'	8 ^h 18'	17 ^h 32'	3 ^h 56'	16 ^h 57'	7 ^h 42'	8 ^h 13'	14 ^h 57'	18 ^h 35'	17 ^h 06'	4 ^h 58'	29 ^h 05'59"	S 18
M 19	0 29 29	5 ^h 25'59"	13 ^h 35'	4 ^h 31'	8 ^h 31'	18 ^h 09'	3 ^h 48'	16 ^h 53'	7 ^h 41'	8 ^h 12'	14 ^h 57'	18 ^h 30'	17 ^h 03'	5 ^h 05'	29 ^h 05'57"	M 19
T 20	0 33 25	6 ^h 25'11"	26 ^h 12'	6 ^h 16'	8 ^h 41'	18 ^h 45'	3 ^h 40'	16 ^h 49'	7 ^h 40'	8 ^h 11'	14 ^h 57'	18 ^h 28'	17 ^h 00'	5 ^h 12'	29 ^h 05'55"	T 20
W 21	0 37 22	7 ^h 24'25"	9 ^h 05'07"	8 ^h 01'	8 ^h 50'	19 ^h 21'	3 ^h 32'	16 ^h 45'	7 ^h 39'	8 ^h 09'	14 ^h 57'	18 ^h 02'27"	16 ^h 56'	5 ^h 19'	29 ^h 05'53"	W 21
T 22	0 41 18	8 ^h 23'42"	22 ^h 25'	9 ^h 44'	8 ^h 56'	19 ^h 58'	3 ^h 24'	16 ^h 40'	7 ^h 39'	8 ^h 08'	14 ^h 57'	18 ^h 28'	16 ^h 53'	5 ^h 25'	29 ^h 05'50"	T 22
F 23	0 45 15	9 ^h 23'01"	6 ^h 01'07"	11 ^h 27'	9 ^h 00'	20 ^h 34'	3 ^h 16'	16 ^h 36'	7 ^h 38'	8 ^h 06'	14 ^h 57'	18 ^h 29'	16 ^h 50'	5 ^h 32'	29 ^h 04'48"	F 23
S 24	0 49 11	10 ^h 22'22"	20 ^h 16'	13 ^h 09'	9 ^h 02'	21 ^h 10'	3 ^h 08'	16 ^h 32'	7 ^h 37'	8 ^h 05'	14 ^h 57'	18 ^h 03'30"	16 ^h 47'	5 ^h 39'	29 ^h 04'46"	S 24
S 25	0 53 8	11 ^h 21'46"	4 ^h 01'51"	14 ^h 50'	9 ^h 02'	21 ^h 47'	3 ^h 00'	16 ^h 28'	7 ^h 36'	8 ^h 04'	14 ^h 58'	18 ^h 29'	16 ^h 44'	5 ^h 45'	29 ^h 04'44"	S 25
M 26	0 57 4	12 ^h 21'11"	19 ^h 48'	16 ^h 31'	8 ^h 59'	22 ^h 23'	2 ^h 52'	16 ^h 24'	7 ^h 34'	8 ^h 02'	14 ^h 58'	18 ^h 25'	16 ^h 41'	5 ^h 52'	29 ^h 04'42"	M 26
T 27	1 1 1	13 ^h 20'39"	5 ^h 01'00"	18 ^h 11'	8 ^h 54'	22 ^h 59'	2 ^h 45'	16 ^h 20'	7 ^h 33'	8 ^h 01'	14 ^h 58'	18 ^h 19'	16 ^h 37'	5 ^h 59'	29 ^h 04'40"	T 27
W 28	1 4 58	14 ^h 20'09"	20 ^h 18'	19 ^h 50'	8 ^h 47'	23 ^h 35'	2 ^h 37'	16 ^h 17'	7 ^h 32'	8 ^h 00'	14 ^h 58'	18 ^h 12'	16 ^h 34'	6 ^h 05'	29 ^h 03'39"	W 28
T 29	1 8 54	15 ^h 19'42"	5 ^h 01'30"	21 ^h 28'	8 ^h 37'	24 ^h 11'	2 ^h 29'	16 ^h 13'	7 ^h 31'	7 ^h 59'	14 ^h 59'	18 ^h 03'	16 ^h 31'	6 ^h 12'	29 ^h 03'37"	T 29
F 30	1 12 51	16 ^h 01'19"	20 ^h 01'26"	23 ^h 01'06"	8 ^h 01'24"	24 ^h 01'47"	2 ^h 01'21"	16 ^h 01'09"	7 ^h 21'30"	7 ^h 51'57"	14 ^h 59'59"	17 ^h 01'54"	16 ^h 01'28"	6 ^h 01'19"	29 ^h 01'35"	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	decl	lat
T 1	4n51	14s56	4s50	12n 3	1n30	16s 4	4s47	19n39	1n 8	0n56	1s39	6s52	2s24	21n35	0s 5	9s17	1s 0	23s28	0s49	15s 2	15s29	4n34	5s40	5n57			
F 2	4 28	20 18	5 10	11 32	1 36	16 25	4 54	19 30	1 8	0 53	1 39	6 54	2 24	21 35	0 5	9 17	1 0	23 28	0 49	15 3	15 30	4 38	5 42	5 57			
S 3	4 5	24 21	5 11	11 0	1 41	16 46	5 1	19 20	1 9	0 50	1 39	6 56	2 24	21 35	0 5	9 18	1 0	23 28	0 49	15 4	15 31	4 41	5 43	5 57			
S 4	3 42	26 50	4 53	10 25	1 45	17 6	5 9	19 11	1 9	0 47	1 39	6 57	2 24	21 35	0 5	9 18	1 0	23 28	0 49	15 4	15 32	4 44	5 44	5 57			
M 5	3 18	27 39	4 20	9 47	1 48	17 25	5 16	19 2	1 10	0 44	1 39	6 59	2 24	21 35	0 5	9 19	1 0	23 28	0 49	15 4	15 33	4 47	5 45	5 57			
T 6	2 55	26 54	3 34	9 9	1 50	17 44	5 23	18 52	1 10	0 41	1 39	7 1	2 24	21 35	0 5	9 20	1 0	23 29	0 49	15 4	15 33	4 51	5 46	5 56			
W 7	2 32	24 45	2 38	8 28	1 51	18 2	5 30	18 43	1 11	0 38	1 39	7 3	2 24	21 35	0 5	9 20	1 0	23 29	0 49	15 4	15 34	4 54	5 47	5 56			
T 8	2 9	21 26	1 36	7 47	1 51	18 20	5 37	18 33	1 11	0 35	1 40	7 5	2 24	21 35	0 5	9 21	1 0	23 29	0 49	15 3	15 35	4 57	5 48	5 56			
F 9	1 45	17 15	0 31	7 4	1 51	18 37	5 44	18 23	1 12	0 31	1 40	7 7	2 24	21 34	0 5	9 21	1 0	23 29	0 50	15 3	15 36	5 0	5 49	5 56			
S 10	1 22	12 26	0n35	6 20	1 50	18 53	5 51	18 13	1 12	0 28	1 40	7 8	2 24	21 34	0 5	9 22	1 0	23 29	0 50	15 3	15 37	5 3	5 50	5 56			
S 11	0 58	7 12	1 38	5 35	1 48	19 9	5 58	18 3	1 13	0 25	1 40	7 10	2 24	21 34	0 5	9 23	1 0	23 29	0 50	15 3	15 38	5 7	5 52	5 55			
M 12	0 35	1 46	2 36	4 50	1 46	19 24	6 5	17 53	1 14	0 22	1 40	7 12	2 24	21 34	0 5	9 23	1 0	23 29	0 50	15 4	15 39	5 10	5 53	5 55			
T 13	0 11	3n43	3 28	4 4	1 44	19 38	6 11	17 43	1 14	0 19	1 40	7 14	2 24	21 34	0 5	9 24	1 0	23 29	0 50	15 6	15 40	5 13	5 54	5 55			
W 14	0s12	9 4	4 10	3 17	1 40	19 52	6 18	17 32	1 15	0 15	1 40	7 15	2 24	21 34	0 5	9 24	1 0	23 29	0 50	15 8	15 41	5 16	5 55	5 55			
T 15	0 36	14 6	4 42	2 31	1 37	20 4	6 24	17 22	1 15	0 12	1 40	7 17	2 24	21 34	0 5	9 25	1 0	23 29	0 50	15 11	15 42	5 20	5 56	5 54			
F 16	0 59	18 38	5 2	1 44	1 33	20 16	6 30	17 12	1 16	0 9	1 40	7 19	2 24	21 34	0 5	9 25	1 0	23 29	0 50	15 13	15 43	5 23	5 57	5 54			
S 17	1 23	22 28	5 8	0 57	1 28	20 27	6 36	17 1	1 16	0 6	1 40	7 20	2 24	21 34	0 5	9 26	1 0	23 30	0 50	15 16	15 44	5 26	5 58	5 54			
S 18	1 46	25 22	5 1	0 11	1 23	20 37	6 41	16 50	1 17	0 3	1 40	7 22	2 24	21 34	0 5	9 26	1 0	23 30	0 50	15 18	15 45	5 29	5 59	5 54			
M 19	2 10	27 7	4 39	0s36	1 18	20 47	6 46	16 40	1 17	0s 1	1 40	7 24	2 24	21 34	0 5	9 27	1 0	23 30	0 50	15 19	15 46	5 32	6 0	5 53			
T 20	2 33	27 31	4 4	1 23	1 13	20 55	6 51	16 29	1 18	0 4	1 40	7 25	2 24	21 34	0 5	9 27	1 0	23 30	0 50	15 20	15 47	5 36	6 1	5 53			
W 21	2 57	26 27	3 16	2 9	1 7	21 2	6 56	16 18	1 18	0 7	1 40	7 27	2 24	21 33	0 5	9 28	1 0	23 30	0 50	15 20	15 48	5 39	6 2	5 53			
T 22	3 20	23 52	2 16	2 55	1 2	21 8	7 0	16 7	1 19	0 10	1 40	7 29	2 24	21 33	0 5	9 28	1 0	23 30	0 50	15 20	15 49	5 42	6 3	5 52			
F 23	3 44	19 52	1 6	3 41	0 56	21 13	7 4	15 56	1 20	0 13	1 40	7 30	2 23	21 33	0 5	9 29	1 0	23 30	0 50	15 20	15 50	5 45	6 4	5 52			
S 24	4 7	14 37	0s10	4 27	0 49	21 17	7 8	15 45	1 20	0 16	1 40	7 32	2 23	21 33	0 5	9 29	1 0	23 30	0 51	15 19	15 51	5 48	6 5	5 52			
S 25	4 30	8 25	1 27	5 12	0 43	21 20	7 11	15 33	1 21	0 20	1 40	7 33	2 23	21 33	0 5	9 30	1 0	23 30	0 51	15 20	15 52	5 52	6 6	5 52			
M 26	4 54	1 36	2 40	5 57	0 37	21 22	7 14	15 22	1 21	0 23	1 40	7 35	2 23	21 33	0 5	9 30	1 0	23 30	0 51	15 21	15 53	5 55	6 7	5 51			
T 27	5 17	5s24	3 43	6 41	0 30	21 22	7 16	15 11	1 22	0 26	1 39	7 36	2 23	21 32	0 5	9 31	1 0	23 30	0 51	15 23	15 54	5 58	6 8	5 51			
W 28	5 40	12 7	4 30	7 25	0 24	21 21	7 18	14 59	1 22	0 29	1 39	7 37	2 23	21 32	0 5	9 31	1 0	23 30	0 51	15 25	15 55	6 1	6 9	5 51			
T 29	6 3	18 4	4 58	8 8	0 17	21 19	7 19	14 48	1 23	0 32	1 39	7 39	2 23	21 32	0 5	9 32	1 0	23 30	0 51	15 28	15 56	6 4	6 10	5 50			
F 30	6s26	22s47	5s 4	8s51	0m10	21s16	7s19	14n36	1n23	0s35	1s39	7s40	2s23	21n32	0s 5	9s32	1s 0	23s30	0s51	15s30	15s57	6n 8	6s11	5n50			

ASTRODIENST EPHEMERIS for the year 1524
geocentric

OCTOBER 1524 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	1 16 47	17 ¹⁸ 52	4 ⁵⁷ 57	24 ⁴³ 43	8°R10	25 ²³ 23	2°R14	16°R 6	7°R28	7°R56	14 ⁵⁹ 59	17°R46	16 ²⁵ 25	6 ²⁵ 25	29°R33	S 1
S 2	1 20 44	18°18'30	19° 0	26°20	7 ⁵² 52	25°58	2 ⁵⁹ 59	16 ⁵² 52	7 ²⁷ 27	7 ⁵⁵ 55	15° 0	17 ⁴⁰ 40	16°22	6°32	29 ³² 32	S 2
M 3	1 24 40	19°18'09	2 ³³ 33	27°56	7°33	26°34	1°59	15°59	7°25	7°54	15° 0	17°37	16°18	6°39	29°30	M 3
T 4	1 28 37	20°17'51	15°37	29°31	7°11	27°10	1°52	15°55	7°24	7°53	15° 1	17°D36	16°15	6°45	29°28	T 4
W 5	1 32 33	21°17'34	28°18	1 ⁵ 5	6°48	27°45	1°45	15°52	7°22	7°52	15° 1	17°36	16°12	6°52	29°27	W 5
T 6	1 36 30	22°17'19	10 ³⁸ 38	2°39	6°22	28°21	1°38	15°48	7°21	7°51	15° 2	17°36	16° 9	6°59	29°25	T 6
F 7	1 40 27	23°17'05	22°44	4°13	5°54	28°56	1°31	15°45	7°19	7°50	15° 2	17°R36	16° 6	7° 6	29°24	F 7
S 8	1 44 23	24°16'53	4 ⁴⁰ 40	5°46	5°24	29°32	1°24	15°42	7°18	7°49	15° 3	17°35	16° 2	7°12	29°23	S 8
S 9	1 48 20	25°16'43	16°31	7°18	4°53	0 ⁷ 7	1°17	15°39	7°16	7°48	15° 4	17°31	15°59	7°19	29°21	S 9
M10	1 52 16	26°16'35	28°20	8°50	4°20	0°42	1°10	15°36	7°14	7°47	15° 4	17°24	15°56	7°26	29°20	M10
T 11	1 56 13	27°16'28	10 ¹¹ 11	10°21	3°46	1°18	1° 4	15°33	7°13	7°46	15° 5	17°15	15°53	7°32	29°19	T 11
W12	2 0 9	28°16'24	22° 4	11°52	3°11	1°53	0°58	15°31	7°11	7°45	15° 6	17° 3	15°50	7°39	29°18	W12
T 13	2 4 6	29°16'21	4 ³ 3	13°22	2°36	2°28	0°51	15°28	7° 9	7°44	15° 6	16°50	15°47	7°46	29°17	T 13
F 14	2 8 2	0 ¹⁶ 16	16° 7	14°52	1°59	3° 3	0°45	15°25	7° 7	7°43	15° 7	16°36	15°43	7°52	29°16	F 14
S 15	2 11 59	1°16'22	28°19	16°21	1°23	3°38	0°39	15°23	7° 5	7°42	15° 8	16°23	15°40	7°59	29°15	S 15
S 16	2 15 55	2°16'25	10 ³⁹ 39	17°50	0°46	4°13	0°34	15°20	7° 3	7°41	15° 9	16°12	15°37	8° 6	29°14	S 16
M17	2 19 52	3°16'30	23° 9	19°18	0°10	4°48	0°28	15°18	7° 1	7°41	15° 9	16° 3	15°34	8°12	29°13	M17
T 18	2 23 49	4°16'38	5 ⁵⁰ 50	20°46	29 ³⁴ 34	5°22	0°23	15°16	6°59	7°40	15°10	15°58	15°31	8°19	29°12	T 18
W19	2 27 45	5°16'48	18°46	22°13	28°59	5°57	0°17	15°14	6°57	7°39	15°11	15°55	15°27	8°26	29°11	W19
T 20	2 31 42	6°16'59	1 ⁵⁹ 59	23°40	28°24	6°32	0°12	15°12	6°55	7°38	15°12	15°54	15°24	8°33	29°11	T 20
F 21	2 35 38	7°17'13	15°32	25° 5	27°51	7° 6	0° 7	15°10	6°53	7°38	15°13	15°54	15°21	8°39	29°10	F 21
S 22	2 39 35	8°17'29	29°28	26°31	27°19	7°41	0° 3	15° 8	6°51	7°37	15°14	15°53	15°18	8°46	29°10	S 22
S 23	2 43 31	9°17'47	13 ⁴⁷ 47	27°55	26°49	8°15	29 ⁵⁸ 58	15° 6	6°49	7°37	15°15	15°51	15°15	8°53	29° 9	S 23
M24	2 47 28	10°18'06	28°27	29°19	26°21	8°49	29°54	15° 4	6°47	7°36	15°16	15°46	15°12	8°59	29° 9	M24
T 25	2 51 24	11°18'28	13 ⁴² 42	0 ⁴² 42	25°54	9°23	29°49	15° 3	6°45	7°36	15°17	15°39	15° 8	9° 6	29° 8	T 25
W26	2 55 21	12°18'52	28°30	2° 4	25°29	9°58	29°45	15° 1	6°42	7°35	15°18	15°29	15° 5	9°13	29° 8	W26
T 27	2 59 18	13°19'17	13 ³⁶ 36	3°24	25° 7	10°32	29°41	15° 0	6°40	7°35	15°19	15°17	15° 2	9°19	29° 8	T 27
F 28	3 3 14	14°19'45	28°30	4°44	24°47	11° 6	29°38	14°59	6°38	7°34	15°21	15° 5	14°59	9°26	29° 8	F 28
S 29	3 7 11	15°20'13	13 ⁵ 5	6° 3	24°29	11°39	29°34	14°57	6°35	7°34	15°22	14°54	14°56	9°33	29° 7	S 29
S 30	3 11 7	16°20'44	27°14	7°20	24°13	12°13	29°31	14°56	6°33	7°33	15°23	14°46	14°53	9°40	29°D 7	S 30
M31	3 15 4	17 ¹⁶ 16	10 ⁵³ 53	8 ³⁶ 36	24 ⁰ 0	12 ⁴⁷ 47	29 ²⁸ 28	14 ⁵⁵ 55	6 ³¹ 31	7 ³³ 33	15 ²⁴ 24	14 ⁴⁰ 40	14 ⁴⁹ 49	9 ⁴⁶ 46	29 ⁷ 7	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	6s49	25s57	4s51	9s33	0n 3	21s11	7s19	14n25	1n24	0s37	1s39	7s42	2s23	21n32	0s 5	9s33	1s 0	23s30	0s51	15s33	15s58	6n11	6s12	5n50			
S 2	7 12	27 23	4 21	10 14	0s 3	21 4	7 19	14 13	1 24	0 40	1 39	7 43	2 23	21 31	0 5	9 33	1 0	23 30	0 51	15 35	15 59	6 14	6 13	5 49			
M 3	7 35	27 5	3 36	10 55	0 10	20 56	7 17	14 1	1 25	0 43	1 39	7 44	2 23	21 31	0 5	9 34	1 0	23 30	0 51	15 36	15 59	6 17	6 14	5 49			
T 4	7 57	25 16	2 42	11 36	0 17	20 47	7 15	13 50	1 26	0 46	1 39	7 45	2 23	21 31	0 5	9 34	1 0	23 30	0 51	15 36	16 0	6 20	6 14	5 49			
W 5	8 20	22 13	1 41	12 15	0 24	20 36	7 12	13 38	1 26	0 49	1 39	7 47	2 22	21 31	0 5	9 34	1 0	23 30	0 51	15 36	16 1	6 23	6 15	5 48			
T 6	8 42	18 13	0 37	12 54	0 31	20 24	7 8	13 26	1 27	0 51	1 38	7 48	2 22	21 30	0 5	9 35	1 0	23 30	0 51	15 36	16 2	6 27	6 16	5 48			
F 7	9 4	13 33	0n27	13 33	0 37	20 10	7 4	13 14	1 27	0 54	1 38	7 49	2 22	21 30	0 5	9 35	1 0	23 30	0 51	15 36	16 3	6 30	6 17	5 48			
S 8	9 26	8 26	1 30	14 10	0 44	19 55	6 59	13 2	1 28	0 57	1 38	7 50	2 22	21 30	0 5	9 36	1 0	23 30	0 51	15 36	16 4	6 33	6 18	5 47			
S 9	9 48	3 4	2 27	14 47	0 51	19 39	6 52	12 50	1 28	0 59	1 38	7 51	2 22	21 30	0 5	9 36	1 0	23 30	0 52	15 38	16 5	6 36	6 18	5 47			
M10	10 10	2n22	3 18	15 23	0 57	19 21	6 45	12 38	1 29	1 2	1 38	7 52	2 22	21 29	0 5	9 36	1 0	23 30	0 52	15 40	16 6	6 39	6 19	5 47			
T 11	10 32	7 44	4 1	15 58	1 4	19 2	6 38	12 26	1 29	1 4	1 38	7 53	2 22	21 29	0 5	9 37	1 0	23 30	0 52	15 42	16 7	6 42	6 20	5 46			
W12	10 53	12 50	4 33	16 33	1 10	18 42	6 29	12 14	1 30	1 6	1 38	7 54	2 22	21 29	0 5	9 37	1 0	23 30	0 52	15 46	16 8	6 46	6 21	5 46			
T 13	11 15	17 30	4 53	17 7	1 16	18 20	6 20	12 2	1 31	1 9	1 37	7 55	2 21	21 29	0 5	9 37	1 0	23 30	0 52	15 50	16 9	6 49	6 21	5 45			
F 14	11 36	21 30	5 1	17 39	1 23	17 58	6 10	11 50	1 31	1 11	1 37	7 56	2 21	21 28	0 5	9 37	1 0	23 30	0 52	15 54	16 10	6 52	6 22	5 45			
S 15	11 57	24 37	4 54	18 11	1 29	17 35	5 59	11 38	1 32	1 13	1 37	7 57	2 21	21 28	0 5	9 38	1 0	23 30	0 52	15 58	16 11	6 55	6 23	5 45			
S 16	12 18	26 37	4 34	18 42	1 35	17 11	5 47	11 25	1 32	1 15	1 37	7 57	2 21	21 28	0 5	9 38	1 0	23 30	0 52	16 1	16 12	6 58	6 23	5 44			
M17	12 38	27 20	4 1	19 12	1 40	16 47	5 35	11 13	1 33	1 17	1 37	7 58	2 21	21 27	0 5	9 38	1 0	23 30	0 52	16 4	16 13	7 1	6 24	5 44			
T 18	12 59	26 37	3 15	19 42	1 46	16 22	5 22	11 1	1 33	1 19	1 36	7 59	2 21	21 27	0 5	9 39	1 0	23 30	0 52	16 6	16 14	7 5	6 25	5 44			
W19	13 19	24 28	2 18	20 10	1 51	15 57	5 9	10 48	1 34	1 21	1 36	8 0	2 20	21 27	0 5	9 39	1 0	23 30	0 52	16 7	16 15	7 8	6 25	5 43			
T 20	13 39	20 57	1 13	20 37	1 56	15 31	4 55	10 36	1 34	1 23	1 36	8 0	2 20	21 26	0 5	9 39	1 0	23 30	0 52	16 7	16 16	7 11	6 26	5 43			
F 21	13 59	16 15	0 2	21 3	2 1	15 6	4 41	10 24	1 35	1 25	1 36	8 1	2 20	21 26	0 5	9 39	1 0	23 30	0 52	16 7	16 17	7 14	6 26	5 42			
S 22	14 18	10 35	1s11	21 28	2 6	14 41	4 26	10 11	1 36	1 26	1 35	8 1	2 20	21 26	0 5	9 40	1 0	23 30	0 52	16 7	16 17	7 17	6 27	5 42			
S 23	14 38	4 13	2 22	21 52	2 10	14 16	4 12	9 59	1 36	1 28	1 35	8 2	2 20	21 25	0 5	9 40	1 0	23 30	0 52	16 8	16 18	7 20	6 28	5 42			
M24	14 57	2s30	3 24	22 15	2 15	13 52	3 57	9 47	1 37	1 30	1 35	8 3	2 20	21 25	0 5	9 40	1 0	23 30	0 53	16 9	16 19	7 23	6 28	5 41			
T 25	15 16	9 12	4 14	22 36	2 19	13 28	3 41	9 34	1 37	1 31	1 35	8 3	2 19	21 24	0 5	9 40	1 0	23 30	0 53	16 11	16 20	7 26	6 29	5 41			
W26	15 34	15 26	4 47	22 57	2 22	13 5	3 26	9 22	1 38	1 32	1 34	8 3	2 19	21 24	0 5	9 40	1 0	23 30	0 53	16 14	16 21	7 30	6 29	5 40			
T 27	15 53	20 43	5 0	23 16	2 25	12 42	3 11	9 9	1 38	1 34	1 34	8 4	2 19	21 24	0 5	9 40	1 0	23 30	0 53	16 18	16 22	7 33	6 29	5 40			
F 28	16 11	24 37	4 52	23 34	2 28	12 20	2 55	8 57	1 39	1 35	1 34	8 4	2 19	21 23	0 5	9 41	1 0	23 30	0 53	16 21	16 23	7 36	6 30	5 40			
S 29	16 29	26 49	4 25	23 51	2 31	12 0	2 40	8 45	1 40	1 36	1 34	8 4	2 19	21 23	0 5	9 41	1 0	23 29	0 53	16 24	16 24	7 39	6 30	5 39			
S 30	16 46	27 11	3 42	24 6	2 33	11 40	2 25	8 32	1 40	1 37	1 33	8 5	2 19	21 23	0 5	9 41	1 0	23 29	0 53	16 27	16 25	7 42	6 31	5 39			
M31	17s 3	25s51	2s48	24s20	2s34	11s21	2s10	8n20	1n41	1s38	1s33	8s 5	2s18	21n22	0s 5	9s41	1s 0	23s29	0s53	16s29	16s26	7n45	6s31	5n38			

ASTRODIENST EPHEMERIS for the year 1524
geocentric

NOVEMBER 1524 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	3 19 0	18♌21'49	24♌3 3	9♌49	23°R50	13♌20	29°R25	14°R55	6°R28	7°R33	15♌25	14°R37	14♌46	9♌53	29♌7	T 1
W 2	3 22 57	19°22'23	6♌48	11° 1	23♌41	13°54	29♌22	14♌54	6♌26	7♌33	15°27	14♌36	14°43	10° 0	29° 8	W 2
T 3	3 26 54	20°22'58	19°11	12°11	23°36	14°27	29°20	14°53	6°24	7°32	15°28	14°35	14°40	10° 6	29° 8	T 3
F 4	3 30 50	21°23'35	1♌17	13°18	23°32	15° 1	29°18	14°53	6°21	7°32	15°29	14°35	14°37	10°13	29° 8	F 4
S 5	3 34 47	22°24'13	13°13	14°22	23°D32	15°34	29°15	14°52	6°19	7°32	15°31	14°34	14°33	10°20	29° 8	S 5
S 6	3 38 43	23°24'52	25° 3	15°22	23°33	16° 7	29°14	14°52	6°16	7°32	15°32	14°30	14°30	10°26	29° 9	S 6
M 7	3 42 40	24°25'32	6♌52	16°19	23°37	16°40	29°12	14°52	6°14	7°32	15°33	14°23	14°27	10°33	29° 9	M 7
T 8	3 46 36	25°26'13	18°44	17°12	23°43	17°13	29°10	14°D52	6°11	7°32	15°35	14°14	14°24	10°40	29°10	T 8
W 9	3 50 33	26°26'56	0♌42	17°59	23°52	17°46	29° 9	14°52	6° 9	7°D32	15°36	14° 2	14°21	10°47	29°10	W 9
T 10	3 54 29	27°27'40	12°48	18°41	24° 3	18°19	29° 8	14°52	6° 6	7°32	15°38	13°48	14°18	10°53	29°11	T 10
F 11	3 58 26	28°28'25	25° 4	19°17	24°16	18°51	29° 7	14°52	6° 4	7°32	15°39	13°34	14°14	11° 0	29°11	F 11
S 12	4 2 22	29°29'11	7♌30	19°46	24°31	19°24	29° 7	14°52	6° 1	7°32	15°41	13°21	14°11	11° 7	29°12	S 12
S 13	4 6 19	0♌29'59	20° 6	20° 7	24°48	19°56	29° 6	14°53	5°59	7°32	15°42	13° 9	14° 8	11°13	29°13	S 13
M14	4 10 16	1°30'48	2♌52	20°20	25° 8	20°29	29° 6	14°53	5°56	7°32	15°44	13° 0	14° 5	11°20	29°14	M14
T 15	4 14 12	2°31'39	15°49	20°R23	25°29	21° 1	29°D 6	14°54	5°54	7°32	15°45	12°55	14° 2	11°27	29°15	T 15
W16	4 18 9	3°32'30	28°57	20°16	25°52	21°33	29° 6	14°55	5°51	7°32	15°47	12°52	13°59	11°33	29°16	W16
T 17	4 22 5	4°33'23	12♌17	19°58	26°17	22° 5	29° 7	14°56	5°49	7°33	15°48	12°D51	13°55	11°40	29°17	T 17
F 18	4 26 2	5°34'18	25°52	19°29	26°44	22°37	29° 7	14°57	5°46	7°33	15°50	12°51	13°52	11°47	29°18	F 18
S 19	4 29 58	6°35'13	9♌41	18°49	27°12	23° 9	29° 8	14°58	5°44	7°33	15°51	12°R51	13°49	11°54	29°19	S 19
S 20	4 33 55	7°36'10	23°47	17°57	27°43	23°40	29° 9	14°59	5°41	7°34	15°53	12°50	13°46	12° 0	29°20	S 20
M21	4 37 52	8°37'09	8♌7	16°56	28°14	24°12	29°10	15° 0	5°39	7°34	15°55	12°47	13°43	12° 7	29°22	M21
T 22	4 41 48	9°38'08	22°41	15°46	28°47	24°43	29°12	15° 2	5°36	7°35	15°56	12°41	13°39	12°14	29°23	T 22
W23	4 45 45	10°39'09	7♌22	14°29	29°22	25°14	29°13	15° 3	5°33	7°35	15°58	12°33	13°36	12°20	29°24	W23
T 24	4 49 41	11°40'11	2♌5	13° 8	29°58	25°45	29°15	15° 5	5°31	7°35	16° 0	12°23	13°33	12°27	29°26	T 24
F 25	4 53 38	12°41'14	6♌41	11°45	0♌36	26°16	29°17	15° 6	5°28	7°36	16° 2	12°13	13°30	12°34	29°27	F 25
S 26	4 57 34	13°42'18	21° 3	10°23	1°14	26°47	29°20	15° 8	5°26	7°37	16° 3	12° 4	13°27	12°40	29°29	S 26
S 27	5 1 31	14°43'22	5♌4	9° 5	1°54	27°18	29°22	15°10	5°23	7°37	16° 5	11°56	13°24	12°47	29°30	S 27
M28	5 5 27	15°44'27	18°41	7°53	2°35	27°48	29°25	15°12	5°21	7°38	16° 7	11°51	13°20	12°54	29°32	M28
T 29	5 9 24	16°45'33	1♌53	6°50	3°18	28°19	29°28	15°14	5°18	7°38	16° 9	11°48	13°17	13° 1	29°34	T 29
W30	5 13 21	17°46'39	14♌41	5♌56	4♌1	28♌49	29♌31	15♌16	5♌16	7♌39	16♌10	11°D48	13♌14	13♌7	29♌36	W30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	17s20	23s 6	1s46	24s32	2s35	11s 3	1s55	8n 7	1n41	1s39	1s33	8s 5	2s18	21n22	0s 5	9s41	1s 0	23s29	0s53	16s30	16s27	7n48	6s31	5n38			
W 2	17 37	19 17	0 41	24 43	2 35	10 47	1 41	7 55	1 42	1 40	1 33	8 5	2 18	21 21	0 5	9 41	1 0	23 29	0 53	16 30	16 28	7 51	6 32	5 38			
T 3	17 53	14 44	0n24	24 53	2 35	10 31	1 26	7 43	1 42	1 41	1 32	8 5	2 18	21 21	0 5	9 41	1 0	23 29	0 53	16 30	16 29	7 55	6 32	5 37			
F 4	18 9	9 41	1 27	25 0	2 34	10 17	1 12	7 30	1 43	1 41	1 32	8 5	2 18	21 21	0 5	9 41	1 0	23 29	0 53	16 30	16 30	7 58	6 32	5 37			
S 5	18 25	4 23	2 25	25 7	2 33	10 4	0 59	7 18	1 44	1 42	1 32	8 5	2 17	21 20	0 5	9 41	1 0	23 29	0 53	16 30	16 31	8 1	6 33	5 36			
S 6	18 41	1n 2	3 16	25 11	2 30	9 52	0 45	7 5	1 44	1 42	1 31	8 5	2 17	21 20	0 5	9 41	0 59	23 29	0 53	16 32	16 31	8 4	6 33	5 36			
M 7	18 56	6 23	3 59	25 14	2 27	9 42	0 32	6 53	1 45	1 43	1 31	8 5	2 17	21 19	0 5	9 41	0 59	23 29	0 53	16 34	16 32	8 7	6 33	5 36			
T 8	19 10	11 32	4 32	25 16	2 23	9 32	0 20	6 41	1 45	1 43	1 31	8 5	2 17	21 19	0 5	9 41	0 59	23 29	0 54	16 36	16 33	8 10	6 33	5 35			
W 9	19 25	16 18	4 52	25 15	2 18	9 24	0 7	6 28	1 46	1 43	1 31	8 5	2 17	21 19	0 5	9 41	0 59	23 29	0 54	16 40	16 34	8 13	6 34	5 35			
T 10	19 39	20 29	5 0	25 13	2 12	9 17	0n 4	6 16	1 47	1 44	1 30	8 4	2 17	21 18	0 5	9 41	0 59	23 28	0 54	16 44	16 35	8 16	6 34	5 35			
F 11	19 52	23 50	4 54	25 8	2 5	9 11	0 16	6 4	1 47	1 44	1 30	8 4	2 16	21 18	0 5	9 41	0 59	23 28	0 54	16 48	16 36	8 19	6 34	5 34			
S 12	20 6	26 8	4 34	25 2	1 56	9 6	0 27	5 52	1 48	1 44	1 30	8 4	2 16	21 17	0 5	9 41	0 59	23 28	0 54	16 51	16 37	8 22	6 34	5 34			
S 13	20 19	27 8	4 1	24 54	1 46	9 3	0 38	5 39	1 48	1 43	1 29	8 4	2 16	21 17	0 5	9 41	0 59	23 28	0 54	16 55	16 38	8 26	6 34	5 33			
M14	20 31	26 43	3 15	24 43	1 35	9 0	0 48	5 27	1 49	1 43	1 29	8 3	2 16	21 16	0 5	9 41	0 59	23 28	0 54	16 57	16 39	8 29	6 34	5 33			
T 15	20 43	24 51	2 18	24 31	1 22	8 59	0 58	5 15	1 50	1 43	1 29	8 3	2 16	21 16	0 5	9 41	0 59	23 28	0 54	16 59	16 40	8 32	6 34	5 33			
W16	20 55	21 37	1 13	24 16	1 8	8 58	1 8	5 3	1 50	1 43	1 29	8 2	2 15	21 15	0 5	9 41	0 59	23 28	0 54	17 0	16 41	8 35	6 34	5 32			
T 17	21 6	17 12	0 3	23 59	0 52	8 59	1 17	4 51	1 51	1 42	1 28	8 2	2 15	21 15	0 5	9 41	0 59	23 28	0 54	17 0	16 42	8 38	6 34	5 32			
F 18	21 17	11 51	1s 9	23 40	0 35	9 0	1 26	4 39	1 51	1 42	1 28	8 1	2 15	21 15	0 5	9 40	0 59	23 28	0 54	17 0	16 42	8 41	6 34	5 31			
S 19	21 28	5 50	2 18	23 18	0 17	9 2	1 34	4 27	1 52	1 41	1 28	8 1	2 15	21 14	0 5	9 40	0 59	23 27	0 54	17 0	16 43	8 44	6 34	5 31			
S 20	21 38	0s35	3 20	22 55	0n 3	9 6	1 42	4 15	1 53	1 40	1 27	8 0	2 15	21 14	0 5	9 40	0 59	23 27	0 54	17 0	16 44	8 47	6 34	5 31			
M21	21 48	7 3	4 10	22 29	0 23	9 10	1 50	4 3	1 53	1 40	1 27	7 59	2 14	21 13	0 5	9 40	0 59	23 27	0 54	17 1	16 45	8 50	6 34	5 30			
T 22	21 57	13 15	4 45	22 2	0 43	9 14	1 58	3 51	1 54	1 39	1 27	7 59	2 14	21 13	0 5	9 40	0 59	23 27	0 55	17 3	16 46	8 53	6 34	5 30			
W23	22 6	18 46	5 2	21 33	1 3	9 20	2 5	3 39	1 54	1 38	1 27	7 58	2 14	21 12	0 5	9 40	0 59	23 27	0 55	17 5	16 47	8 56	6 34	5 29			
T 24	22 15	23 9	4 59	21 4	1 23	9 26	2 11	3 27	1 55	1 37	1 26	7 57	2 14	21 12	0 5	9 39	0 59	23 27	0 55	17 8	16 48	8 59	6 34	5 29			
F 25	22 23	26 1	4 37	20 35	1 41	9 33	2 18	3 15	1 56	1 36	1 26	7 56	2 14	21 12	0 5	9 39	0 59	23 27	0 55	17 11	16 49	9 2	6 33	5 29			
S 26	22 30	27 8	3 57	20 7	1 58	9 41	2 24	3 4	1 56	1 35	1 26	7 55	2 13	21 11	0 5	9 39	0 59	23 26	0 55	17 13	16 50	9 5	6 33	5 28			
S 27	22 38	26 27	3 3	19 40	2 13	9 49	2 30	2 52	1 57	1 33	1 25	7 54	2 13	21 11	0 5	9 39	0 59	23 26	0 55	17 15	16 51	9 8	6 33	5 28			
M28	22 44	24 11	2 1	19 17	2 26	9 58	2 35	2 40	1 58	1 32	1 25	7 53	2 13	21 10	0 5	9 38	0 59	23 26	0 55	17 17	16 52	9 11	6 33	5 28			
T 29	22 51	20 39	0 53	18 56	2 37	10 8	2 40	2 29	1 58	1 31	1 25	7 52	2 13	21 10	0 5	9 38	0 59	23 26	0 55	17 18	16 53	9 15	6 33	5 27			
W30	22s56	16s14	0n15	18s39	2n45	10s18	2n45	2n17	1n59	1s29	1s24	7s51	2s13	21n 9	0s 5	9s38	0s59	23s26	0s55	17s18	16s53	9n18	6s32	5n27			

ASTRODIENST EPHEMERIS for the year 1524
geocentric

DECEMBER 1524 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	5 17 17	18°47'45	27°8	5°R12	4°M45	29°19	29°34	15°19	5°R14	7°40	16°12	11°49	13°11	13°14	29°38	T 1
F 2	5 21 14	19°48'52	9°17	4°40	5°31	29°49	29°38	15°21	5°II11	7°41	16°14	11°50	13°8	13°21	29°39	F 2
S 3	5 25 10	20°49'59	21°16	4°18	6°17	0°19	29°41	15°24	5°9	7°41	16°16	11°R51	13°5	13°27	29°41	S 3
S 4	5 29 7	21°51'06	3°7	4°7	7°5	0°49	29°45	15°26	5°6	7°42	16°18	11°50	13°1	13°34	29°43	S 4
M 5	5 33 3	22°52'14	14°58	4°D 7	7°53	1°18	29°49	15°29	5°4	7°43	16°20	11°47	12°58	13°41	29°45	M 5
T 6	5 37 0	23°53'22	26°52	4°15	8°42	1°47	29°53	15°32	5°1	7°44	16°22	11°42	12°55	13°48	29°48	T 6
W 7	5 40 56	24°54'29	8°53	4°33	9°32	2°17	29°58	15°35	4°59	7°45	16°23	11°35	12°52	13°54	29°50	W 7
T 8	5 44 53	25°55'38	21°6	4°58	10°23	2°46	0°7	15°38	4°57	7°46	16°25	11°27	12°49	14°1	29°52	T 8
F 9	5 48 50	26°56'46	3°II31	5°30	11°14	3°14	0°7	15°41	4°54	7°47	16°27	11°18	12°45	14°8	29°54	F 9
S 10	5 52 46	27°57'55	16°11	6°9	12°7	3°43	0°12	15°44	4°52	7°48	16°29	11°10	12°42	14°14	29°57	S 10
S 11	5 56 43	28°59'03	29°5	6°53	13°0	4°11	0°17	15°48	4°50	7°49	16°31	11°3	12°39	14°21	29°59	S 11
M12	6 0 39	0°12	12°13	7°43	13°53	4°40	0°23	15°51	4°48	7°50	16°33	10°57	12°36	14°28	0°1	M12
T 13	6 4 36	1°1'22	25°33	8°37	14°48	5°8	0°28	15°55	4°45	7°51	16°35	10°54	12°33	14°34	0°4	T 13
W14	6 8 32	2°2'31	9°12	9°35	15°43	5°36	0°34	15°58	4°43	7°52	16°37	10°D53	12°30	14°41	0°6	W14
T 15	6 12 29	3°3'41	22°45	10°36	16°38	6°3	0°40	16°2	4°41	7°54	16°39	10°54	12°26	14°48	0°9	T 15
F 16	6 16 26	4°4'51	6°13	11°41	17°35	6°31	0°46	16°6	4°39	7°55	16°41	10°55	12°23	14°55	0°12	F 16
S 17	6 20 22	5°6'01	20°33	12°48	18°31	6°58	0°52	16°10	4°37	7°56	16°43	10°56	12°20	15°1	0°14	S 17
S 18	6 24 19	6°7'12	4°37	13°58	19°29	7°25	0°59	16°13	4°35	7°57	16°45	10°R57	12°17	15°8	0°17	S 18
M19	6 28 15	7°8'22	18°48	15°9	20°27	7°52	1°5	16°18	4°33	7°59	16°47	10°57	12°14	15°15	0°20	M19
T 20	6 32 12	8°9'34	3°12	16°23	21°25	8°19	1°12	16°22	4°31	8°0	16°49	10°54	12°11	15°21	0°22	T 20
W21	6 36 8	9°10'45	17°17	17°39	22°24	8°45	1°19	16°26	4°29	8°1	16°51	10°51	12°7	15°28	0°25	W21
T 22	6 40 5	10°11'56	1°31	18°56	23°24	9°11	1°26	16°30	4°27	8°3	16°53	10°46	12°4	15°35	0°28	T 22
F 23	6 44 1	11°13'08	15°37	20°15	24°23	9°37	1°33	16°35	4°25	8°4	16°55	10°41	12°1	15°42	0°31	F 23
S 24	6 47 58	12°14'19	29°33	21°35	25°24	10°3	1°40	16°39	4°23	8°6	16°57	10°37	11°58	15°48	0°34	S 24
S 25	6 51 55	13°15'30	13°13	22°56	26°24	10°28	1°48	16°44	4°21	8°7	16°59	10°33	11°55	15°55	0°37	S 25
M26	6 55 51	14°16'41	26°36	24°18	27°25	10°54	1°56	16°48	4°19	8°9	17°1	10°31	11°51	16°2	0°40	M26
T 27	6 59 48	15°17'52	9°39	25°41	28°27	11°19	2°4	16°53	4°18	8°10	17°3	10°D31	11°48	16°8	0°43	T 27
W28	7 3 44	16°19'01	22°23	27°5	29°29	11°43	2°12	16°58	4°16	8°12	17°5	10°31	11°45	16°15	0°46	W28
T 29	7 7 41	17°20'11	4°50	28°30	0°31	12°8	2°20	17°3	4°14	8°13	17°7	10°32	11°42	16°22	0°49	T 29
F 30	7 11 37	18°21'19	17°1	29°55	1°34	12°32	2°28	17°8	4°13	8°15	17°9	10°34	11°39	16°29	0°53	F 30
S 31	7 15 34	19°22'27	29°1	1°32	2°36	12°56	2°37	17°13	4°II11	8°16	17°11	10°36	11°36	16°35	0°56	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	23s 2	11s14	1n21	18s26	2n51	10s28	2n50	2n 6	1n59	1s27	1s24	7s50	2s12	21n 9	0s 5	9s38	0s59
F 2	23 7	5 55	2 22	18 16	2 54	10 39	2 54	1 54	2 0	1 26	1 24	7 49	2 12	21 9	0 5	9 37	0 59
S 3	23 11	0 28	3 16	18 10	2 56	10 51	2 58	1 43	2 1	1 24	1 24	7 48	2 12	21 8	0 5	9 37	0 59
S 4	23 15	4n55	4 1	18 9	2 56	11 3	3 2	1 32	2 1	1 22	1 23	7 47	2 12	21 8	0 5	9 37	0 59
M 5	23 19	10 8	4 35	18 10	2 55	11 15	3 6	1 21	2 2	1 20	1 23	7 45	2 12	21 7	0 5	9 36	0 59
T 6	23 22	15 0	4 57	18 14	2 52	11 27	3 9	1 10	2 3	1 18	1 23	7 44	2 11	21 7	0 5	9 36	0 59
W 7	23 24	19 21	5 7	18 21	2 48	11 40	3 12	0 59	2 3	1 16	1 22	7 43	2 11	21 6	0 5	9 36	0 59
T 8	23 26	22 57	5 3	18 31	2 43	11 53	3 15	0 48	2 4	1 14	1 22	7 41	2 11	21 6	0 5	9 35	0 59
F 9	23 28	25 34	4 45	18 42	2 37	12 7	3 17	0 37	2 5	1 12	1 22	7 40	2 11	21 6	0 5	9 35	0 59
S 10	23 29	26 58	4 13	18 55	2 31	12 21	3 19	0 26	2 5	1 10	1 22	7 39	2 11	21 5	0 5	9 34	0 59
S 11	23 30	26 57	3 27	19 9	2 24	12 35	3 22	0 15	2 6	1 8	1 21	7 37	2 11	21 5	0 5	9 34	0 59
M12	23 30	25 25	2 29	19 25	2 16	12 49	3 23	0 5	2 7	1 5	1 21	7 36	2 10	21 4	0 5	9 34	0 59
T 13	23 30	22 26	1 22	19 41	2 9	13 3	3 25	0s 6	2 7	1 3	1 21	7 34	2 10	21 4	0 5	9 33	0 59
W14	23 29	18 12	0 10	19 57	2 1	13 18	3 26	0 16	2 8	1 0	1 20	7 33	2 10	21 4	0 5	9 33	0 59
T 15	23 28	12 57	1s 4	20 14	1 52	13 32	3 28	0 27	2 9	0 58	1 20	7 31	2 10	21 3	0 5	9 32	0 59
F 16	23 26	7 1	4 25	20 32	1 44	13 47	3 29	0 37	2 9	0 55	1 20	7 29	2 10	21 3	0 5	9 32	0 59
S 17	23 24	0 12	3 19	20 49	1 36	14 2	3 30	0 47	2 10	0 52	1 20	7 28	2 9	21 3	0 5	9 31	0 59
S 18	23 22	5s41	4 12	21 6	1 27	14 16	3 30	0 57	2 11	0 49	1 19	7 26	2 9	21 2	0 5	9 31	0 58
M19	23 19	11 50	4 49	21 22	1 18	14 31	3 31	1 7	2 11	0 47	1 19	7 24	2 9	21 2	0 5	9 30	0 58
T 20	23 15	17 23	5 9	21 39	1 10	14 46	3 31	1 17	2 12	0 44	1 19	7 23	2 9	21 1	0 5	9 30	0 58
W21	23 11	21 59	5 10	21 55	1 1	15 1	3 31	1 27	2 13	0 41	1 19	7 21	2 9	21 1	0 5	9 29	0 58
T 22	23 7	25 17	4 52	22 10	0 53	15 16	3 31	1 36	2 13	0 38	1 18	7 19	2 9	21 1	0 5	9 29	0 58
F 23	23 2	26 58	4 16	22 24	0 44	15 31	3 31	1 46	2 14	0 34	1 18	7 17	2 8	21 0	0 5	9 28	0 58
S 24	22 56	26 56	3 26	22 38	0 36	15 45	3 30	1 55	2 15	0 31	1 18	7 15	2 8	21 0	0 5	9 28	0 58
S 25	22 50	25 14	2 24	22 51	0 28	16 0	3 30	2 5	2 16	0 28	1 17	7 13	2 8	21 0	0 5	9 27	0 58
M26	22 44	22 8	1 16	23 3	0 20	16 15	3 29	2 14	2 16	0 25	1 17	7 11	2 8	20 59	0 5	9 26	0 58
T 27	22 37	17 57	0 5	23 14	0 12	16 29	3 28	2 23	2 17	0 21	1 17	7 9	2 8	20 59	0 5	9 26	0 58
W28	22 30	13 4	1n 5	23 25	0 4	16 43	3 27	2 32	2 18	0 18	1 17	7 7	2 8	20 59	0 5	9 25	0 58
T 29	22 23	7 45	2 10	23 34	0s 4	16 57	3 26	2 41	2 18	0 14	1 16	7 5	2 8	20 58	0 4	9 25	0 58
F 30	22 14	2 16	3 8	23 42	0 12	17 11	3 25	2 50	2 19	0 11	1 16	7 3	2 7	20 58	0 4	9 24	0 58
S 31	22s 6	3n13	3n56	23s49	0s19	17s25	3n23	2s58	2n20	0s 7	1s16	7s 1	2s 7	20n58	0s 4	9s23	0s58

Julian Day Number = 2278033.5, Delta T = 236.00 sec

Ecliptic obliquity = 23°30'10, Nutation = 0°00'12, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°06'41, Lahiri = 17°13'41 Julian Calendar 1 Dec. 1524 == Greg. Calendar 11 Dec. 1524