



Astrodienst Ephemeris Tables for the year 1529

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 1529

geocentric

JANUARY 1529 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	7 19 38	20°35'03	0°40	29°R 2	10°48 7	19°M 2	24°R29	7°B44	22°R11	17°K 0	24°B 5	25°R12	24°M10	29°M40	16°K45	F 1
S 2	7 23 34	21°26'08	12°30	28°B 1	11°22	19°40	24°Q24	7°44	22°II 9	17° 2	24° 7	25°M10	24° 7	29°46	16°48	S 2
S 3	7 27 31	22°27'14	24°22	26°53	12°37	20°17	24°18	7°45	22° 7	17° 3	24° 9	25°D 9	24° 4	29°53	16°50	S 3
M 4	7 31 28	23°28'19	6°M22	25°40	13°52	20°55	24°12	7°45	22° 4	17° 5	24°11	25°10	24° 1	29°59	16°53	M 4
T 5	7 35 24	24°29'24	18°34	24°23	15° 6	21°33	24° 6	7°46	22° 2	17° 6	24°12	25°11	23°58	0°46	16°56	T 5
W 6	7 39 21	25°30'28	1°X 5	23° 6	16°21	22°10	24° 0	7°46	22° 0	17° 8	24°14	25°R11	23°55	0°13	16°58	W 6
T 7	7 43 17	26°31'31	13°58	21°50	17°36	22°48	23°54	7°47	21°58	17° 9	24°16	25° 9	23°51	0°20	17° 1	T 7
F 8	7 47 14	27°32'35	27°15	20°38	18°51	23°26	23°47	7°48	21°56	17°11	24°18	25° 5	23°48	0°27	17° 4	F 8
S 9	7 51 10	28°33'37	10°B58	19°32	20° 6	24° 3	23°41	7°49	21°54	17°13	24°20	24°58	23°45	0°33	17° 6	S 9
S 10	7 55 7	29°34'39	25° 4	18°32	21°21	24°41	23°34	7°50	21°53	17°14	24°22	24°49	23°42	0°40	17° 9	S 10
M 11	7 59 3	0°35'39	9°30	17°40	22°35	25°18	23°27	7°52	21°51	17°16	24°24	24°38	23°39	0°47	17°12	M 11
T 12	8 3 0	1°36'39	24° 8	16°56	23°50	25°56	23°21	7°53	21°49	17°18	24°26	24°27	23°36	0°53	17°15	T 12
W 13	8 6 57	2°37'38	8°H50	16°21	25° 5	26°33	23°14	7°55	21°47	17°19	24°28	24°17	23°32	1° 0	17°18	W 13
T 14	8 10 53	3°38'35	23°30	15°55	26°20	27°11	23° 7	7°56	21°45	17°21	24°30	24°10	23°29	1° 7	17°21	T 14
F 15	8 14 50	4°39'31	8°Y 0	15°38	27°34	27°48	23° 0	7°58	21°44	17°23	24°32	24° 4	23°26	1°13	17°24	F 15
S 16	8 18 46	5°40'26	22°17	15°29	28°49	28°26	22°52	8° 0	21°42	17°25	24°34	24° 2	23°23	1°20	17°27	S 16
S 17	8 22 43	6°41'19	6°B18	15°D28	0°K 4	29° 3	22°45	8° 2	21°40	17°27	24°36	24°D 1	23°20	1°27	17°30	S 17
M 18	8 26 39	7°42'11	20° 4	15°34	1°18	29°41	22°38	8° 4	21°39	17°28	24°38	24°R 1	23°16	1°34	17°33	M 18
T 19	8 30 36	8°43'02	3°II36	15°47	2°33	0°X18	22°30	8° 6	21°37	17°30	24°39	24° 1	23°13	1°40	17°36	T 19
W 20	8 34 32	9°43'51	16°54	16° 7	3°47	0°55	22°23	8° 8	21°36	17°32	24°41	23°59	23°10	1°47	17°39	W 20
T 21	8 38 29	10°44'38	0°B 1	16°33	5° 2	1°33	22°15	8°10	21°34	17°34	24°43	23°54	23° 7	1°54	17°42	T 21
F 22	8 42 26	11°45'25	12°56	17° 4	6°16	2°10	22° 7	8°13	21°33	17°36	24°45	23°47	23° 4	2° 0	17°45	F 22
S 23	8 46 22	12°46'09	25°41	17°40	7°31	2°47	22° 0	8°15	21°32	17°38	24°47	23°36	23° 1	2° 7	17°49	S 23
S 24	8 50 19	13°46'53	8°Q16	18°20	8°45	3°25	21°52	8°18	21°30	17°40	24°49	23°23	22°57	2°14	17°52	S 24
M 25	8 54 15	14°47'34	20°40	19° 5	9°59	4° 2	21°44	8°21	21°29	17°42	24°51	23° 9	22°54	2°20	17°55	M 25
T 26	8 58 12	15°48'15	2°M54	19°54	11°14	4°39	21°36	8°24	21°28	17°44	24°53	22°55	22°51	2°27	17°58	T 26
W 27	9 2 8	16°48'54	14°58	20°46	12°28	5°16	21°28	8°27	21°27	17°46	24°54	22°42	22°48	2°34	18° 2	W 27
T 28	9 6 5	17°49'32	26°55	21°41	13°42	5°53	21°20	8°30	21°26	17°48	24°56	22°31	22°45	2°40	18° 5	T 28
F 29	9 10 1	18°50'08	8°Q46	22°40	14°56	6°30	21°13	8°33	21°25	17°50	24°58	22°22	22°42	2°47	18° 8	F 29
S 30	9 13 58	19°50'44	20°34	23°41	16°10	7° 8	21° 5	8°36	21°23	17°52	25° 0	22°17	22°38	2°54	18°12	S 30
S 31	9 17 55	20°51'18	2°M24	24°B44	17°K24	7°X45	20°Q57	8°B40	21°II23	17°K54	25°B 2	22°M14	22°M35	3°B 1	18°K15	S 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	21s57	4s 5	4s10	18s 9	2n18	19s15	1s34	16s45	0n48	14n24	1n 4	11n52	2s23	23n26	0n10	F 1
S 2	21 47	8 9	3 28	18 5	2 35	18 55	1 34	16 56	0 47	14 26	1 5	11 53	2 22	23 26	0 10	S 2
S 3	21 37	11 54	2 37	18 3	2 50	18 34	1 34	17 6	0 47	14 28	1 5	11 53	2 22	23 26	0 10	S 3
M 4	21 27	15 14	1 39	18 4	3 3	18 13	1 35	17 17	0 46	14 31	1 5	11 54	2 22	23 26	0 10	M 4
T 5	21 17	17 58	0 35	18 6	3 14	17 51	1 35	17 27	0 46	14 33	1 5	11 54	2 22	23 26	0 10	T 5
W 6	21 6	19 55	0n32	18 11	3 23	17 29	1 35	17 38	0 45	14 35	1 5	11 55	2 21	23 25	0 10	W 6
T 7	20 54	20 54	1 39	18 17	3 29	17 6	1 35	17 48	0 45	14 37	1 6	11 55	2 21	23 25	0 10	T 7
F 8	20 42	20 46	2 42	18 25	3 32	16 43	1 35	17 58	0 44	14 40	1 6	11 56	2 21	23 25	0 10	F 8
S 9	20 30	19 25	3 39	18 33	3 34	16 19	1 35	18 7	0 44	14 42	1 6	11 56	2 20	23 25	0 10	S 9
S 10	20 17	16 51	4 23	18 42	3 32	15 55	1 35	18 17	0 43	14 44	1 6	11 57	2 20	23 25	0 10	S 10
M 11	20 4	13 13	4 52	18 52	3 29	15 30	1 34	18 27	0 43	14 47	1 6	11 58	2 20	23 25	0 10	M 11
T 12	19 51	8 45	5 2	19 3	3 24	15 5	1 34	18 36	0 42	14 49	1 7	11 58	2 19	23 25	0 10	T 12
W 13	19 37	3 45	4 53	19 13	3 18	14 40	1 34	18 46	0 42	14 52	1 7	11 59	2 19	23 25	0 10	W 13
T 14	19 23	1n27	4 24	19 24	3 10	14 14	1 33	18 55	0 41	14 54	1 7	12 0	2 19	23 25	0 10	T 14
F 15	19 9	6 32	3 39	19 35	3 1	13 48	1 33	19 4	0 40	14 57	1 7	12 1	2 18	23 24	0 10	F 15
S 16	18 54	11 10	2 40	19 45	2 52	13 21	1 32	19 13	0 40	14 59	1 7	12 2	2 18	23 24	0 10	S 16
S 17	18 39	15 7	1 33	19 55	2 42	12 54	1 31	19 22	0 39	15 2	1 8	12 3	2 18	23 24	0 10	S 17
M 18	18 23	18 8	0 21	20 5	2 31	12 27	1 31	19 30	0 38	15 4	1 8	12 4	2 18	23 24	0 10	M 18
T 19	18 8	20 6	0s51	20 15	2 20	11 59	1 30	19 39	0 38	15 7	1 8	12 5	2 17	23 24	0 10	T 19
W 20	17 51	20 54	1 58	20 24	2 9	11 31	1 29	19 47	0 37	15 10	1 8	12 6	2 17	23 24	0 10	W 20
T 21	17 35	20 32	2 58	20 32	1 57	11 3	1 28	19 56	0 37	15 12	1 8	12 7	2 17	23 24	0 10	T 21
F 22	17 18	19 5	3 48	20 39	1 46	10 35	1 27	20 4	0 36	15 15	1 8	12 8	2 16	23 24	0 10	F 22
S 23	17 1	16 42	4 26	20 46	1 34	10 6	1 26	20 12	0 35	15 17	1 8	12 9	2 16	23 24	0 10	S 23
S 24	16 44	13 35	4 50	20 52	1 23	9 37	1 25	20 19	0 35	15 20	1 9	12 10	2 16	23 24	0 10	S 24
M 25	16 26	9 54	5 0	20 57	1 12	9 8	1 23	20 27	0 34	15 23	1 9	12 11	2 16	23 24	0 10	M 25
T 26	16 8	5 52	4 55	21 1	1 1	8 38	1 22	20 35	0 33	15 25	1 9	12 12	2 15	23 24	0 10	T 26
W 27	15 50	1 40	4 38	21 4	0 50	8 9	1 21	20 42	0 32	15 28	1 9	12 13	2 15	23 23	0 10	W 27
T 28	15 32	2s34	4 8	21 6	0 39	7 39	1 19	20 49	0 32	15 31	1 9	12 15	2 15	23 23	0 10	T 28
F 29	15 13	6 40	3 28	21 7	0 29	7 8	1 18	20 57	0 31	15 33	1 9	12 16	2 14	23 23	0 10	F 29
S 30	14 54	10 30	2 39	21 6	0 19	6 38	1 16	21 4	0 30	15 36	1 9	12 17	2 14	23 23	0 10	S 30
S 31	14s35	13s57	1s43	21s 5	0n 9	6s 8	1s14	21s10	0n29	15n39	1n 9	12n19	2s14	23n23	0n10	S 31

Julian Day Number = 2279525.5, Delta T = 226.73 sec

Ecliptic obliquity = 23°29'56, Nutation = 0°00'15, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°10'06, Lahiri = 17°17'06 Julian Calendar 1 Jan. 1529 == Greg. Calendar 11 Jan. 1529

ASTRODIENST EPHEMERIS for the year 1529

geocentric

MARCH 1529 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	11 12 15	19°55'25	22°54	6°48	22°52	25°22	17°R29	10°56	21°17	18°58	25°47	19°D21	21°3	6°14	20°2	M 1
T 2	11 16 11	20°55'04	5°3	8°34	24°5	25°58	17°24	11°2	21°18	19°0	25°48	19°M22	21°0	6°21	20°5	T 2
W 3	11 20 8	21°54'42	17°27	10°20	25°17	26°34	17°18	11°8	21°18	19°3	25°49	19°R23	20°57	6°28	20°9	W 3
T 4	11 24 4	22°54'18	0°313	12°8	26°30	27°9	17°13	11°14	21°19	19°5	25°50	19°23	20°53	6°34	20°13	T 4
F 5	11 28 1	23°53'52	13°24	13°58	27°42	27°45	17°8	11°20	21°20	19°7	25°52	19°21	20°50	6°41	20°17	F 5
S 6	11 31 57	24°53'25	27°3	15°48	28°54	28°20	17°3	11°26	21°21	19°9	25°53	19°17	20°47	6°48	20°21	S 6
S 7	11 35 54	25°52'56	11°12	17°40	0°8	28°56	16°58	11°32	21°22	19°12	25°54	19°11	20°44	6°55	20°24	S 7
M 8	11 39 50	26°52'24	25°49	19°33	1°18	29°31	16°53	11°39	21°23	19°14	25°55	19°3	20°41	7°1	20°28	M 8
T 9	11 43 47	27°51'51	10°49	21°28	2°30	0°8	16°49	11°45	21°24	19°16	25°56	18°55	20°38	7°8	20°32	T 9
W10	11 47 44	28°51'16	26°2	23°23	3°42	0°41	16°44	11°51	21°25	19°18	25°57	18°47	20°34	7°15	20°36	W10
T 11	11 51 40	29°50'39	11°18	25°20	4°54	1°16	16°40	11°58	21°26	19°21	25°58	18°41	20°31	7°21	20°39	T 11
F 12	11 55 37	0°50'00	26°27	27°18	6°6	1°51	16°36	12°4	21°27	19°23	25°59	18°37	20°28	7°28	20°43	F 12
S 13	11 59 33	1°49'18	11°20	29°18	7°17	2°26	16°32	12°11	21°28	19°25	26°0	18°35	20°25	7°35	20°47	S 13
S 14	12 3 30	2°48'35	25°49	1°18	8°29	3°1	16°28	12°17	21°29	19°27	26°1	18°D35	20°22	7°41	20°50	S 14
M15	12 7 26	3°47'49	9°53	3°19	9°40	3°36	16°25	12°24	21°31	19°30	26°2	18°36	20°19	7°48	20°54	M15
T 16	12 11 23	4°47'00	23°30	5°22	10°52	4°10	16°22	12°31	21°32	19°32	26°3	18°37	20°15	7°55	20°58	T 16
W17	12 15 19	5°46'10	6°44	7°25	12°3	4°45	16°18	12°37	21°33	19°34	26°4	18°R38	20°12	8°1	21°2	W17
T 18	12 19 16	6°45'17	19°35	9°28	13°14	5°19	16°16	12°44	21°35	19°36	26°5	18°37	20°9	8°8	21°5	T 18
F 19	12 23 13	7°44'21	2°9	11°33	14°25	5°54	16°13	12°51	21°36	19°38	26°6	18°34	20°6	8°15	21°9	F 19
S 20	12 27 9	8°43'23	14°29	13°37	15°36	6°28	16°10	12°58	21°38	19°41	26°7	18°30	20°3	8°21	21°13	S 20
S 21	12 31 6	9°42'23	26°38	15°42	16°47	7°2	16°8	13°5	21°39	19°43	26°7	18°24	19°59	8°28	21°16	S 21
M22	12 35 2	10°41'21	8°39	17°46	17°58	7°36	16°5	13°12	21°41	19°45	26°8	18°17	19°56	8°35	21°20	M22
T 23	12 38 59	11°40'16	20°34	19°50	19°9	8°10	16°3	13°19	21°43	19°47	26°9	18°10	19°53	8°41	21°23	T 23
W24	12 42 55	12°39'10	2°25	21°53	20°19	8°44	16°2	13°26	21°44	19°49	26°10	18°4	19°50	8°48	21°27	W24
T 25	12 46 52	13°38'01	14°15	23°55	21°30	9°18	16°0	13°33	21°46	19°51	26°10	17°58	19°47	8°55	21°31	T 25
F 26	12 50 48	14°36'50	26°5	25°55	22°40	9°51	15°58	13°40	21°48	19°53	26°11	17°55	19°44	9°1	21°34	F 26
S 27	12 54 45	15°35'38	7°57	27°53	23°50	10°25	15°57	13°47	21°50	19°56	26°12	17°53	19°40	9°8	21°38	S 27
S 28	12 58 41	16°34'23	19°54	29°50	25°1	10°58	15°56	13°54	21°52	19°58	26°12	17°D52	19°37	9°15	21°41	S 28
M29	13 2 38	17°33'07	1°58	1°43	26°11	11°32	15°55	14°2	21°54	20°0	26°13	17°53	19°34	9°21	21°45	M29
T 30	13 6 35	18°31'48	14°12	3°34	27°21	12°5	15°54	14°9	21°56	20°2	26°13	17°54	19°31	9°28	21°48	T 30
W31	13 10 31	19°30'29	26°40	5°22	28°30	12°38	15°54	14°16	21°58	20°4	26°14	17°56	19°31	9°35	21°51	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	4s 0	18s14	0n19	11s 5	2s12	8n53	0s 2	23s24	0n 1	16n45	1n10	13n 8	2s 7	23n23	0n10	5s28
T 2	3 37	19 50	1 23	10 24	2 11	9 23	0n 2	23 26	0 0	16 46	1 10	13 10	2 6	23 23	0 10	5 27
W 3	3 13	20 30	2 25	9 42	2 9	9 53	0 5	23 28	0s 1	16 48	1 10	13 12	2 6	23 23	0 10	5 26
T 4	2 49	20 9	3 21	8 59	2 7	10 22	0 8	23 30	0 2	16 49	1 10	13 14	2 6	23 23	0 10	5 25
F 5	2 26	18 42	4 9	8 14	2 5	10 51	0 11	23 32	0 4	16 51	1 10	13 16	2 6	23 23	0 10	5 24
S 6	2 2	16 9	4 44	7 29	2 2	11 20	0 14	23 34	0 5	16 52	1 10	13 18	2 6	23 23	0 10	5 23
S 7	1 38	12 35	5 4	6 42	1 58	11 49	0 18	23 36	0 6	16 54	1 10	13 21	2 5	23 23	0 10	5 22
M 8	1 15	8 10	5 5	5 53	1 54	12 17	0 21	23 37	0 7	16 55	1 10	13 23	2 5	23 23	0 10	5 22
T 9	0 51	3 8	4 45	5 4	1 49	12 45	0 24	23 39	0 9	16 57	1 10	13 25	2 5	23 23	0 10	5 21
W10	0 27	2n10	4 5	4 13	1 44	13 13	0 28	23 40	0 10	16 58	1 10	13 27	2 5	23 23	0 10	5 20
T 11	0 4	7 21	3 7	3 22	1 38	13 40	0 31	23 41	0 11	16 59	1 10	13 29	2 5	23 23	0 10	5 19
F 12	0n20	12 3	1 57	2 29	1 32	14 7	0 34	23 42	0 13	17 0	1 9	13 31	2 5	23 23	0 10	5 18
S 13	0 44	15 53	0 39	1 35	1 26	14 34	0 38	23 43	0 14	17 1	1 9	13 33	2 4	23 24	0 10	5 17
S 14	1 7	18 38	0s39	0 41	1 18	15 1	0 41	23 44	0 16	17 2	1 9	13 35	2 4	23 24	0 10	5 16
M15	1 31	20 8	1 53	0n15	1 11	15 27	0 44	23 44	0 17	17 3	1 9	13 38	2 4	23 24	0 10	5 16
T 16	1 54	20 23	2 58	1 11	1 2	15 53	0 48	23 45	0 19	17 4	1 9	13 40	2 4	23 24	0 10	5 15
W17	2 18	19 29	3 51	2 8	0 53	16 18	0 51	23 45	0 20	17 5	1 9	13 42	2 4	23 24	0 10	5 14
T 18	2 41	17 35	4 31	3 5	0 44	16 43	0 54	23 45	0 22	17 6	1 9	13 44	2 3	23 24	0 10	5 13
F 19	3 5	14 54	4 57	4 3	0 35	17 7	0 58	23 45	0 23	17 7	1 9	13 46	2 3	23 24	0 10	5 12
S 20	3 28	11 35	5 9	5 1	0 25	17 32	1 1	23 45	0 25	17 7	1 9	13 49	2 3	23 24	0 10	5 11
S 21	3 51	7 51	5 7	5 58	0 14	17 55	1 4	23 45	0 26	17 8	1 9	13 51	2 3	23 24	0 10	5 10
M22	4 14	3 51	4 51	6 56	0 3	18 19	1 8	23 45	0 28	17 8	1 8	13 53	2 3	23 24	0 10	5 10
T 23	4 38	0s16	4 22	7 53	0n 8	18 41	1 11	23 44	0 29	17 9	1 8	13 55	2 3	23 24	0 10	5 9
W24	5 1	4 22	3 43	8 50	0 19	19 4	1 14	23 44	0 31	17 9	1 8	13 58	2 3	23 25	0 10	5 8
T 25	5 24	8 18	2 53	9 46	0 30	19 26	1 17	23 43	0 33	17 10	1 8	14 0	2 2	23 25	0 10	5 7
F 26	5 46	11 54	1 56	10 41	0 41	19 47	1 21	23 42	0 35	17 10	1 8	14 2	2 2	23 25	0 10	5 6
S 27	6 9	15 3	0 54	11 34	0 53	20 8	1 24	23 41	0 36	17 10	1 8	14 4	2 2	23 25	0 10	5 6
S 28	6 32	17 35	0n11	12 26	1 4	20 28	1 27	23 41	0 38	17 11	1 8	14 7	2 2	23 25	0 10	5 5
M29	6 54	19 21	1 17	13 16	1 15	20 48	1 30	23 39	0 40	17 11	1 8	14 9	2 2	23 25	0 10	5 4
T 30	7 17	20 15	2 20	14 5	1 25	21 8	1 33	23 38	0 42	17 11	1 8	14 11	2 2	23 25	0 10	5 3
W31	7n39	20s10	3n17	14n51	1n36	21n27	1n37	23s37	0s43	17n11	1n 7	14n13	2s 2	23n25	0n10	5s 2

Julian Day Number = 2279584.5, Delta T = 226.36 sec

Ecliptic obliquity = 23°29'56, Nutation = 0°00'14, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°10'14, Lahiri = 17°17'14 Julian Calendar 1 March 1529 == Greg. Calendar 11 March 1529

ASTRODIENST EPHEMERIS for the year 1529

geocentric

APRIL 1529 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	13 14 28	20°29'07	9°32'27	7°8' 6	29°40'40	13°11'11	15°R53	14°23'23	22°II 0	20°K 6	26°14'14	17°M57	19°M24	9°42'42	21°K55	T 1
F 2	13 18 24	21°27'44	22°35'35	8°47'47	0°II50	13°44'44	15°D53	14°31'31	22° 2	20° 8	26°15'15	17°R58	19°21'21	9°48'48	21°58'58	F 2
S 3	13 22 21	22°26'19	6°33' 7	10°23'23	1°59'59	14°16'16	15°L53	14°38'38	22° 4	20°10'10	26°15'15	17°57'57	19°18'18	9°55'55	22° 2	S 3
S 4	13 26 17	23°24'52	20° 5'5	11°56'56	3° 8'8	14°49'49	15°53'53	14°46'46	22° 6	20°12'12	26°16'16	17°55'55	19°15'15	10° 2'2	22° 5'5	S 4
M 5	13 30 14	24°23'24	4°19'29	13°24'24	4°18'18	15°21'21	15°54'54	14°53'53	22° 8	20°14'14	26°16'16	17°53'53	19°12'12	10° 8'8	22° 8'8	M 5
T 6	13 34 10	25°21'53	19°16'16	14°47'47	5°27'27	15°53'53	15°54'54	15° 1'1	22°11'11	20°16'16	26°16'16	17°50'50	19° 9'9	10°15'15	22°12'12	T 6
W 7	13 38 7	26°20'22	4°18'18	16° 6'6	6°36'36	16°25'25	15°55'55	15° 8'8	22°13'13	20°18'18	26°17'17	17°47'47	19° 5'5	10°22'22	22°15'15	W 7
T 8	13 42 4	27°18'48	19°29'29	17°20'20	7°45'45	16°57'57	15°56'56	15°16'16	22°15'15	20°20'20	26°17'17	17°45'45	19° 2'2	10°28'28	22°18'18	T 8
F 9	13 46 0	28°17'13	4°38'38	18°30'30	8°53'53	17°29'29	15°57'57	15°23'23	22°18'18	20°22'22	26°17'17	17°43'43	18°59'59	10°35'35	22°21'21	F 9
S 10	13 49 57	29°15'36	19°35'35	19°34'34	10° 2'2	18° 1'1	15°58'58	15°31'31	22°20'20	20°23'23	26°18'18	17°D43	18°56'56	10°42'42	22°25'25	S 10
S 11	13 53 53	0°13'57	4°II14	20°33'33	11°10'10	18°32'32	16° 0'0	15°38'38	22°23'23	20°25'25	26°18'18	17°43'43	18°53'53	10°48'48	22°28'28	S 11
M12	13 57 50	1°12'16	18°28'28	21°27'27	12°19'19	19° 3'3	16° 2'2	15°46'46	22°25'25	20°27'27	26°18'18	17°44'44	18°50'50	10°55'55	22°31'31	M12
T 13	14 1 46	2°10'33	2°21'16	22°16'16	13°27'27	19°34'34	16° 3'3	15°54'54	22°28'28	20°29'29	26°18'18	17°46'46	18°46'46	11° 2'2	22°34'34	T 13
W14	14 5 43	3° 8'47	15°38'38	23° 0'0	14°35'35	20° 5'5	16° 5'5	16° 1'1	22°30'30	20°31'31	26°18'18	17°47'47	18°43'43	11° 8'8	22°37'37	W14
T 15	14 9 39	4° 7'00	28°35'35	23°38'38	15°43'43	20°36'36	16° 8'8	16° 9'9	22°33'33	20°33'33	26°18'18	17°R47	18°40'40	11°15'15	22°40'40	T 15
F 16	14 13 36	5° 5'11	11°L10	24°11'11	16°51'51	21° 6'6	16°10'10	16°17'17	22°36'36	20°34'34	26°18'18	17°47'47	18°37'37	11°22'22	22°43'43	F 16
S 17	14 17 33	6° 3'19	23°29'29	24°39'39	17°58'58	21°37'37	16°13'13	16°24'24	22°38'38	20°36'36	26°18'18	17°47'47	18°34'34	11°28'28	22°46'46	S 17
S 18	14 21 29	7° 1'26	5°M34	25° 1'1	19° 5'5	22° 7'7	16°15'15	16°32'32	22°41'41	20°38'38	26°R18	17°46'46	18°30'30	11°35'35	22°49'49	S 18
M19	14 25 26	7°59'31	17°31'31	25°18'18	20°13'13	22°37'37	16°18'18	16°40'40	22°44'44	20°39'39	26°18'18	17°44'44	18°27'27	11°42'42	22°52'52	M19
T 20	14 29 22	8°57'34	29°22'22	25°29'29	21°20'20	23° 6'6	16°21'21	16°47'47	22°47'47	20°41'41	26°18'18	17°43'43	18°24'24	11°48'48	22°55'55	T 20
W21	14 33 19	9°55'34	11°L11	25°36'36	22°26'26	23°36'36	16°24'24	16°55'55	22°49'49	20°43'43	26°18'18	17°42'42	18°21'21	11°55'55	22°58'58	W21
T 22	14 37 15	10°53'34	23° 1'1	25°R37	23°33'33	24° 5'5	16°28'28	17° 3'3	22°52'52	20°44'44	26°18'18	17°41'41	18°18'18	12° 2'2	23° 0'0	T 22
F 23	14 41 12	11°51'31	4°M54	25°33'33	24°40'40	24°34'34	16°31'31	17°11'11	22°55'55	20°46'46	26°18'18	17°41'41	18°15'15	12° 8'8	23° 3'3	F 23
S 24	14 45 8	12°49'27	16°53'53	25°24'24	25°46'46	25° 3'3	16°35'35	17°18'18	22°58'58	20°48'48	26°18'18	17°D40	18°11'11	12°15'15	23° 6'6	S 24
S 25	14 49 5	13°47'22	29° 0'0	25°11'11	26°52'52	25°31'31	16°39'39	17°26'26	23° 1'1	20°49'49	26°18'18	17°40'40	18° 8'8	12°22'22	23° 9'9	S 25
M26	14 53 2	14°45'14	11°L16	24°53'53	27°58'58	26° 0'0	16°43'43	17°34'34	23° 4'4	20°51'51	26°18'18	17°41'41	18° 5'5	12°28'28	23°11'11	M26
T 27	14 56 58	15°43'06	23°44'44	24°32'32	29° 3'3	26°28'28	16°47'47	17°42'42	23° 7'7	20°52'52	26°17'17	17°41'41	18° 2'2	12°35'35	23°14'14	T 27
W28	15 0 55	16°40'56	6°24'24	24° 7'7	0°29'29	26°56'56	16°52'52	17°49'49	23°10'10	20°54'54	26°17'17	17°41'41	17°59'59	12°42'42	23°16'16	W28
T 29	15 4 51	17°38'45	19°20'20	23°39'39	1°14'14	27°23'23	16°56'56	17°57'57	23°13'13	20°55'55	26°17'17	17°R41	17°56'56	12°48'48	23°19'19	T 29
F 30	15 8 48	18°36'33	2°33'33	23°8' 8	2°29'29	27°51'51	17°L 1	18°8' 8	23°II16	20°K56	26°16'16	17°M41	17°M52	12°45'45	23°K21	F 30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	8n 1	19s 4	4n 6	15n35	1n46	21n45	1n40	23s36	0s45	17n11	1n 7	14n16	2s 1	23n26	0n10	5s 2	1s11
F 2	8 23	16 55	4 44	16 17	1 55	22 3	1 43	23 34	0 47	17 11	1 7	14 18	2 1	23 26	0 10	5 1	1 12
S 3	8 45	13 49	5 8	16 56	2 4	22 20	1 46	23 33	0 49	17 11	1 7	14 20	2 1	23 26	0 10	5 0	1 12
S 4	9 7	9 51	5 14	17 33	2 12	22 37	1 49	23 31	0 51	17 11	1 7	14 23	2 1	23 26	0 10	4 59	1 12
M 5	9 29	5 12	5 2	18 7	2 19	22 53	1 51	23 29	0 53	17 10	1 7	14 25	2 1	23 26	0 10	4 59	1 12
T 6	9 50	0 8	4 29	18 38	2 26	23 8	1 54	23 28	0 55	17 10	1 7	14 27	2 1	23 26	0 10	4 58	1 12
W 7	10 11	5n 2	3 37	19 7	2 32	23 23	1 57	23 26	0 57	17 10	1 7	14 29	2 1	23 26	0 10	4 57	1 12
T 8	10 33	9 57	2 30	19 33	2 37	23 37	2 0	23 24	0 59	17 9	1 6	14 32	2 1	23 26	0 10	4 56	1 12
F 9	10 54	14 13	1 12	19 57	2 41	23 51	2 2	23 22	1 1	17 9	1 6	14 34	2 1	23 27	0 10	4 56	1 12
S 10	11 14	17 30	0s10	20 18	2 44	24 4	2 5	23 20	1 3	17 9	1 6	14 36	2 0	23 27	0 10	4 55	1 12
S 11	11 35	19 34	1 30	20 36	2 46	24 17	2 8	23 18	1 5	17 8	1 6	14 39	2 0	23 27	0 10	4 54	1 12
M12	11 55	20 18	2 42	20 51	2 47	24 29	2 10	23 15	1 8	17 7	1 6	14 41	2 0	23 27	0 10	4 54	1 12
T 13	12 16	19 46	3 42	21 4	2 47	24 40	2 13	23 13	1 10	17 7	1 6	14 43	2 0	23 27	0 10	4 53	1 12
W14	12 36	18 8	4 28	21 14	2 46	24 50	2 15	23 11	1 12	17 6	1 6	14 45	2 0	23 27	0 10	4 52	1 12
T 15	12 55	15 37	4 59	21 22	2 43	25 0	2 17	23 8	1 14	17 5	1 6	14 48	2 0	23 28	0 10	4 51	1 12
F 16	13 15	12 25	5 15	21 27	2 40	25 10	2 19	23 6	1 17	17 4	1 5	14 50	2 0	23 28	0 10	4 51	1 12
S 17	13 34	8 46	5 15	21 30	2 36	25 18	2 22	23 4	1 19	17 3	1 5	14 52	2 0	23 28	0 10	4 50	1 12
S 18	13 54	4 49	5 2	21 29	2 30	25 26	2 24	23 1	1 21	17 2	1 5	14 54	2 0	23 28	0 10	4 50	1 12
M19	14 12	0 43	4 35	21 27	2 23	25 34	2 26	22 58	1 24	17 1	1 5	14 57	2 0	23 28	0 10	4 49	1 12
T 20	14 31	3s22	3 57	21 22	2 15	25 40	2 28	22 56	1 26	17 0	1 5	14 59	2 0	23 28	0 10	4 48	1 12
W21	14 50	7 20	3 9	21 15	2 6	25 46	2 30	22 53	1 29	16 59	1 5	15 1	2 0	23 28	0 10	4 48	1 12
T 22	15 8	11 1	2 13	21 5	1 55	25 52	2 31	22 51	1 31	16 58	1 5	15 3	1 59	23 29	0 10	4 47	1 12
F 23	15 26	14 18	1 10	20 53	1 44	25 56	2 33	22 48	1 34	16 57	1 5	15 6	1 59	23 29	0 10	4 46	1 12
S 24	15 44	17 0	0 4	20 38	1 31	26 0	2 35	22 45	1 36	16 56	1 4	15 8	1 59	23 29	0 10	4 46	1 12
S 25	16 1	18 58	1n 3	20 22	1 18	26 4	2 36	22 43	1 39	16 54	1 4	15 10	1 59	23 29	0 10	4 45	1 12
M26	16 18	20 5	2 7	20 4	1 3	26 6	2 37	22 40	1 42	16 53	1 4	15 12	1 59	23 29	0 10	4 45	1 12
T 27	16 35	20 14	3 7	19 44	0 48	26 8	2 39	22 37	1 44	16 52	1 4	15 15	1 59	23 29	0 10	4 44	1 12
W28	16 52	19 22	3 59	19 22	0 32	26 10	2 40	22 34	1 47	16 50	1 4	15 17	1 59	23 30	0 10	4 44	1 12
T 29	17 8	17 29	4 40	18 59	0 16	26 10	2 41	22 32	1 50	16 49	1 4	15 19	1 59	23 30	0 10	4 43	1 12
F 30	17n24	14s39	5n 7	18n35	0s 1	26n11	2n42	22s29	1s53	16n47	1n 4	15n21	1s59	23n30	0n10	4s43	1s13

Julian Day Number = 2279615.5, Delta T = 226.17 sec

Ecliptic obliquity = 23°29'56", Nutation = 0°00'13", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°10'18", Lahiri = 17°17'19" Julian Calendar 1 Apr. 1529 == Greg. Calendar 11 Apr. 1529

ASTRODIENST EPHEMERIS for the year 1529

geocentric

MAY 1529 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	15 12 44	19°34'19	16°55	22°R36	3°24	28°18	17°12	18°13	23°19	20°58	26°R16	17°D41	17°M49	13°2	23°24	S 1
S 2	15 16 41	20°32'05	29°56	22°2	4°29	28°44	17°11	18°21	23°22	20°59	26°16	17°M41	17°46	13°8	23°26	S 2
M 3	15 20 37	21°29'49	14°7	21°27	5°33	29°11	17°16	18°28	23°25	21°1	26°15	17°41	17°43	13°15	23°29	M 3
T 4	15 24 34	22°27'32	28°35	20°53	6°37	29°37	17°22	18°36	23°29	21°2	26°15	17°42	17°40	13°22	23°31	T 4
W 5	15 28 31	23°25'14	13°Y17	20°18	7°41	0°3	17°27	18°44	23°32	21°3	26°14	17°42	17°36	13°28	23°33	W 5
T 6	15 32 27	24°22'55	28°8	19°45	8°45	0°28	17°33	18°52	23°35	21°4	26°14	17°43	17°33	13°35	23°35	T 6
F 7	15 36 24	25°20'35	13°8	19°13	9°48	0°53	17°38	18°59	23°38	21°6	26°13	17°R43	17°30	13°42	23°38	F 7
S 8	15 40 20	26°18'14	27°48	18°44	10°51	1°18	17°44	19°7	23°42	21°7	26°13	17°43	17°27	13°48	23°40	S 8
S 9	15 44 17	27°15'51	12°II21	18°16	11°54	1°43	17°51	19°15	23°45	21°8	26°12	17°42	17°24	13°55	23°42	S 9
M10	15 48 13	28°13'28	26°36	17°52	12°56	2°7	17°57	19°23	23°48	21°9	26°12	17°41	17°21	14°2	23°44	M10
T 11	15 52 10	29°11'03	10°27	17°32	13°59	2°30	18°3	19°30	23°52	21°10	26°11	17°40	17°17	14°8	23°46	T 11
W12	15 56 6	0°II8'36	23°54	17°15	15°1	2°54	18°10	19°38	23°55	21°11	26°11	17°38	17°14	14°15	23°48	W12
T 13	16 0 3	1°6'08	6°56	17°1	16°2	3°17	18°16	19°46	23°58	21°12	26°10	17°37	17°11	14°22	23°50	T 13
F 14	16 4 0	2°3'39	19°36	16°52	17°4	3°39	18°23	19°54	24°2	21°13	26°9	17°36	17°8	14°28	23°52	F 14
S 15	16 7 56	3°1'08	1°56	16°48	18°5	4°2	18°30	20°1	24°5	21°14	26°9	17°D36	17°5	14°35	23°54	S 15
S 16	16 11 53	3°58'36	14°2	16°D47	19°5	4°23	18°37	20°9	24°8	21°15	26°8	17°36	17°2	14°42	23°55	S 16
M17	16 15 49	4°56'03	25°58	16°51	20°6	4°45	18°44	20°16	24°12	21°16	26°7	17°37	16°58	14°48	23°57	M17
T 18	16 19 46	5°53'29	7°48	17°0	21°5	5°6	18°51	20°24	24°15	21°17	26°6	17°38	16°55	14°55	23°59	T 18
W19	16 23 42	6°50'53	19°38	17°13	22°5	5°26	18°59	20°32	24°19	21°18	26°5	17°40	16°52	15°2	24°0	W19
T 20	16 27 39	7°48'16	1°M30	17°31	23°4	5°46	19°6	20°39	24°22	21°19	26°5	17°41	16°49	15°8	24°2	T 20
F 21	16 31 35	8°45'39	13°29	17°53	24°3	6°6	19°14	20°47	24°26	21°20	26°4	17°R42	16°46	15°15	24°3	F 21
S 22	16 35 32	9°43'00	25°37	18°19	25°1	6°25	19°22	20°54	24°29	21°21	26°3	17°42	16°42	15°22	24°5	S 22
S 23	16 39 29	10°40'20	7°56	18°50	25°59	6°44	19°30	21°2	24°33	21°21	26°2	17°40	16°39	15°28	24°6	S 23
M24	16 43 25	11°37'40	20°29	19°25	26°57	7°2	19°38	21°9	24°36	21°22	26°1	17°38	16°36	15°35	24°8	M24
T 25	16 47 22	12°34'59	3°16	20°4	27°54	7°20	19°46	21°17	24°40	21°23	26°0	17°35	16°33	15°42	24°9	T 25
W26	16 51 18	13°32'17	16°16	20°47	28°50	7°37	19°54	21°24	24°43	21°23	25°59	17°31	16°30	15°48	24°10	W26
T 27	16 55 15	14°29'35	29°31	21°34	29°46	7°54	20°3	21°32	24°47	21°24	25°58	17°27	16°27	15°55	24°12	T 27
F 28	16 59 11	15°26'52	12°59	22°25	0°42	8°10	20°11	21°39	24°50	21°25	25°57	17°23	16°23	16°2	24°13	F 28
S 29	17 3 8	16°24'09	26°40	23°19	1°37	8°25	20°20	21°46	24°54	21°25	25°56	17°21	16°20	16°8	24°14	S 29
S 30	17 7 4	17°21'25	10°33	24°18	2°32	8°40	20°29	21°54	24°58	21°26	25°55	17°20	16°17	16°15	24°15	S 30
M31	17 11 1	18°II18'41	24°37	25°20	3°26	8°55	20°37	22°8	25°II1	21°26	25°54	17°D20	16°M14	16°22	24°16	M31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	17n40	11s0	5n18	18n10	0s19	26n10	2n43	22s26	1s55	16n46	1n4	15n23	1s59	23n30	0n10	S 1
S 2	17 56	6 40	5 10	17 44	0 36	26 9	2 44	22 24	1 58	16 44	1 4	15 26	1 59	23 30	0 10	S 2
M 3	18 11	1 53	4 45	17 18	0 54	26 7	2 44	22 21	2 1	16 42	1 3	15 28	1 59	23 30	0 10	M 3
T 4	18 26	3n7	4 0	16 53	1 11	26 4	2 45	22 18	2 4	16 40	1 3	15 30	1 59	23 31	0 10	T 4
W 5	18 40	8 1	3 0	16 27	1 28	26 1	2 45	22 16	2 7	16 39	1 3	15 32	1 59	23 31	0 10	W 5
T 6	18 55	12 30	1 47	16 2	1 45	25 58	2 45	22 13	2 10	16 37	1 3	15 34	1 59	23 31	0 10	T 6
F 7	19 9	16 12	0 26	15 39	2 0	25 53	2 45	22 11	2 13	16 35	1 3	15 36	1 59	23 31	0 10	F 7
S 8	19 22	18 49	0s56	15 16	2 15	25 48	2 46	22 8	2 17	16 33	1 3	15 38	1 59	23 31	0 10	S 8
S 9	19 36	20 8	2 13	14 55	2 30	25 43	2 45	22 6	2 20	16 31	1 3	15 41	1 59	23 31	0 10	S 9
M10	19 49	20 8	3 19	14 35	2 43	25 36	2 45	22 4	2 23	16 29	1 3	15 43	1 59	23 31	0 10	M10
T 11	20 2	18 53	4 13	14 18	2 55	25 30	2 45	22 1	2 26	16 27	1 2	15 45	1 59	23 32	0 10	T 11
W12	20 14	16 37	4 50	14 3	3 6	25 22	2 44	21 59	2 30	16 25	1 2	15 47	1 59	23 32	0 10	W12
T 13	20 26	13 34	5 11	13 49	3 16	25 14	2 44	21 57	2 33	16 23	1 2	15 49	1 59	23 32	0 10	T 13
F 14	20 38	9 58	5 16	13 38	3 25	25 6	2 43	21 55	2 36	16 20	1 2	15 51	1 59	23 32	0 10	F 14
S 15	20 49	6 2	5 7	13 30	3 33	24 57	2 42	21 53	2 40	16 18	1 2	15 53	1 59	23 32	0 10	S 15
S 16	21 0	1 56	4 44	13 23	3 39	24 47	2 41	21 51	2 43	16 16	1 2	15 55	1 59	23 32	0 10	S 16
M17	21 10	2s12	4 9	13 19	3 45	24 37	2 40	21 49	2 47	16 14	1 2	15 57	1 59	23 33	0 10	M17
T 18	21 21	6 13	3 23	13 17	3 49	24 27	2 38	21 48	2 50	16 11	1 2	15 59	1 59	23 33	0 10	T 18
W19	21 30	10 0	2 29	13 18	3 52	24 16	2 37	21 46	2 54	16 9	1 2	16 1	1 59	23 33	0 10	W19
T 20	21 40	13 24	1 28	13 21	3 54	24 4	2 35	21 45	2 58	16 6	1 2	16 3	1 59	23 33	0 10	T 20
F 21	21 49	16 18	0 23	13 26	3 55	23 52	2 33	21 43	3 1	16 4	1 1	16 5	1 59	23 33	0 10	F 21
S 22	21 58	18 30	0n44	13 33	3 55	23 40	2 31	21 42	3 5	16 1	1 1	16 7	1 59	23 33	0 10	S 22
S 23	22 6	19 53	1 49	13 42	3 54	23 27	2 29	21 41	3 9	15 59	1 1	16 9	1 59	23 34	0 10	S 23
M24	22 14	20 19	2 51	13 54	3 53	23 13	2 27	21 40	3 13	15 56	1 1	16 11	1 59	23 34	0 10	M24
T 25	22 22	19 43	3 45	14 7	3 50	22 59	2 24	21 39	3 16	15 53	1 1	16 13	1 59	23 34	0 10	T 25
W26	22 29	18 4	4 28	14 21	3 46	22 45	2 22	21 38	3 20	15 51	1 1	16 15	1 59	23 34	0 10	W26
T 27	22 36	15 26	4 58	14 38	3 42	22 31	2 19	21 38	3 24	15 48	1 1	16 17	1 59	23 34	0 10	T 27
F 28	22 42	11 58	5 12	14 56	3 37	22 16	2 16	21 37	3 28	15 45	1 1	16 18	1 59	23 34	0 10	F 28
S 29	22 48	7 48	5 9	15 15	3 31	22 0	2 13	21 37	3 32	15 42	1 1	16 20	1 59	23 34	0 10	S 29
S 30	22 54	3 11	4 48	15 35	3 24	21 44	2 9	21 37	3 36	15 39	1 1	16 22	1 59	23 35	0 10	S 30
M31	22n59	1n40	4n10	15n57	3s17	21n28	2n6	21s37	3s41	15n37	1n0	16n24	1s59	23n35	0n10	M31

Julian Day Number = 2279645.5, Delta T = 225.98 sec

Ecliptic obliquity = 23°29'55, Nutation = 0°00'12, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°10'22, Lahiri = 17°17'23 Julian Calendar 1 May 1529 == Greg. Calendar 11 May 1529

ASTRODIENST EPHEMERIS for the year 1529
geocentric

JULY 1529 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	19 13 14	17 ⁵² 01	18 ⁸ 0	20 ⁵⁹ 59	24 ⁰ 20	10 ^R 42	25 ⁰ 56	25 ⁸ 25	26 ^{II} 51	21 ^R 26	25 ^R 15	15 ^R 52	14 ^M 35	19 ⁴ 48	24 ^R 20	T 1
F 2	19 17 11	18 ⁴⁹ 16	2 ^{II} 4	23 [°] 4	24 ⁴⁰	10 ³³	26 [°] 8	25 ³¹	26 ⁵⁵	21 ¹ 25	25 ¹ 14	15 ^M 51	14 ³²	19 ⁵⁵	24 ¹ 20	F 2
S 3	19 21 7	19 ⁴⁶ 32	16 [°] 3	25 [°] 9	24 ⁵⁸	10 ²⁴	26 ¹⁹	25 ³⁶	26 ⁵⁸	21 ²⁵	25 ¹²	15 ⁴⁸	14 ²⁹	20 [°] 2	24 ¹⁹	S 3
S 4	19 25 4	20 ⁴³ 48	29 ⁵⁴	27 ¹²	25 ¹⁵	10 ¹⁵	26 ³¹	25 ⁴²	27 [°] 1	21 ²⁴	25 ¹¹	15 ⁴²	14 ²⁶	20 [°] 8	24 ¹⁸	S 4
M 5	19 29 1	21 ⁴¹ 06	13 ⁵³	29 ¹⁴	25 ²⁹	10 [°] 4	26 ⁴³	25 ⁴⁷	27 [°] 5	21 ²³	25 ¹⁰	15 ³³	14 ²³	20 ¹⁵	24 ¹⁷	M 5
T 6	19 32 57	22 ³⁸ 23	27 [°] 2	1 ⁰ 14	25 ⁴²	9 ⁵³	26 ⁵⁵	25 ⁵³	27 [°] 8	21 ²³	25 [°] 8	15 ²³	14 ¹⁹	20 ²²	24 ¹⁶	T 6
W 7	19 36 54	23 ³⁵ 41	10 ⁰ 12	3 ¹³	25 ⁵²	9 ⁴²	27 [°] 6	25 ⁵⁸	27 ¹¹	21 ²²	25 [°] 7	15 ¹²	14 ¹⁶	20 ²⁸	24 ¹⁵	W 7
T 8	19 40 50	24 ³³ 00	23 [°] 5	5 ¹⁰	26 [°] 1	9 ³⁰	27 ¹⁸	26 [°] 4	27 ¹⁵	21 ²¹	25 [°] 5	15 [°] 1	14 ¹³	20 ³⁵	24 ¹⁴	T 8
F 9	19 44 47	25 ³⁰ 19	5 ¹⁷ 40	7 [°] 5	26 [°] 7	9 ¹⁷	27 ³⁰	26 [°] 9	27 ¹⁸	21 ²¹	25 [°] 4	14 ⁵¹	14 ¹⁰	20 ⁴²	24 ¹³	F 9
S 10	19 48 43	26 ²⁷ 39	17 ⁵⁸	8 [°] 59	26 ¹¹	9 [°] 4	27 ⁴²	26 ¹⁴	27 ²¹	21 ²⁰	25 [°] 2	14 ⁴³	14 [°] 7	20 ⁴⁸	24 ¹²	S 10
S 11	19 52 40	27 ²⁴ 59	0 ¹ 3	10 ⁵¹	26 ^R 12	8 ⁵⁰	27 ⁵⁴	26 ¹⁹	27 ²⁴	21 ¹⁹	25 [°] 1	14 ³⁷	14 [°] 4	20 ⁵⁵	24 ¹¹	S 11
M12	19 56 36	28 ²² 20	11 ⁵⁸	12 ⁴¹	26 ¹²	8 ³⁶	28 [°] 6	26 ²⁴	27 ²⁸	21 ¹⁸	25 [°] 0	14 ³⁴	14 [°] 0	21 [°] 2	24 [°] 9	M12
T 13	20 0 33	29 ¹⁹ 41	23 ⁴⁸	14 ²⁹	26 [°] 9	8 ²²	28 ¹⁸	26 ²⁹	27 ³¹	21 ¹⁷	24 ⁵⁸	14 ³³	13 ⁵⁷	21 [°] 8	24 [°] 8	T 13
W14	20 4 29	0 ⁰ 1703	5 ¹¹ 37	16 ¹⁶	26 [°] 3	8 [°] 7	28 ³⁰	26 ³⁴	27 ³⁴	21 ¹⁷	24 ⁵⁷	14 ^D 33	13 ⁵⁴	21 ¹⁵	24 [°] 7	W14
T 15	20 8 26	1 ¹⁴ 25	17 ³²	18 [°] 2	25 ⁵⁶	7 ⁵²	28 ⁴²	26 ³⁹	27 ³⁷	21 ¹⁶	24 ⁵⁵	14 ^R 33	13 ⁵¹	21 ²¹	24 [°] 5	T 15
F 16	20 12 23	2 ¹¹ 48	29 ³⁷	19 ⁴⁵	25 ⁴⁵	7 ³⁷	28 ⁵⁵	26 ⁴³	27 ⁴⁰	21 ¹⁵	24 ⁵⁴	14 ³²	13 ⁴⁸	21 ²⁸	24 [°] 4	F 16
S 17	20 16 19	3 [°] 9'12	11 ¹ 59	21 ²⁷	25 ³³	7 ²²	29 [°] 7	26 ⁴⁸	27 ⁴³	21 ¹⁴	24 ⁵³	14 ²⁹	13 ⁴⁵	21 ³⁵	24 [°] 2	S 17
S 18	20 20 16	4 [°] 6'37	24 ³⁹	23 [°] 7	25 ¹⁸	7 [°] 6	29 ¹⁹	26 ⁵²	27 ⁴⁶	21 ¹³	24 ⁵¹	14 ²⁴	13 ⁴¹	21 ⁴¹	24 [°] 1	S 18
M19	20 24 12	5 [°] 4'02	7 ¹ 31	24 ⁴⁶	25 [°] 1	6 ⁵⁰	29 ³²	26 ⁵⁷	27 ⁴⁹	21 ¹²	24 ⁵⁰	14 ¹⁷	13 ³⁸	21 ⁴⁸	23 ⁵⁹	M19
T 20	20 28 9	6 [°] 1'28	21 [°] 7	26 ²³	24 ⁴¹	6 ³⁴	29 ⁴⁴	27 [°] 1	27 ⁵²	21 ¹¹	24 ⁴⁸	14 [°] 7	13 ³⁵	21 ⁵⁵	23 ⁵⁸	T 20
W21	20 32 5	6 ⁵⁸ 55	4 ¹ 53	27 ⁵⁸	24 ¹⁹	6 ¹⁸	29 ⁵⁶	27 [°] 5	27 ⁵⁵	21 ¹⁰	24 ⁴⁷	13 ⁵⁵	13 ³²	22 [°] 1	23 ⁵⁶	W21
T 22	20 36 2	7 ⁵⁶ 23	18 ⁵⁸	29 ³²	23 ⁵⁵	6 [°] 2	0 ¹⁷ 9	27 ¹⁰	27 ⁵⁸	21 [°] 9	24 ⁴⁶	13 ⁴⁴	13 ²⁹	22 [°] 8	23 ⁵⁴	T 22
F 23	20 39 59	8 ⁵³ 53	3 ¹ 16	1 ¹⁷ 4	23 ²⁹	5 ⁴⁶	0 ²¹	27 ¹⁴	28 [°] 1	21 [°] 8	24 ⁴⁴	13 ³³	13 ²⁵	22 ¹⁵	23 ⁵²	F 23
S 24	20 43 55	9 ⁵¹ 23	17 ⁴⁰	2 ³⁴	23 [°] 1	5 ³¹	0 ³⁴	27 ¹⁸	28 [°] 4	21 [°] 6	24 ⁴³	13 ²⁴	13 ²²	22 ²¹	23 ⁵¹	S 24
S 25	20 47 52	10 ⁴⁸ 55	2 ¹ 6	4 [°] 3	22 ³²	5 ¹⁵	0 ⁴⁶	27 ²²	28 [°] 7	21 [°] 5	24 ⁴²	13 ¹⁸	13 ¹⁹	22 ²⁸	23 ⁴⁹	S 25
M26	20 51 48	11 ⁴⁶ 28	16 ²⁸	5 ³⁰	22 [°] 0	4 ⁵⁹	0 ⁵⁹	27 ²⁶	28 ¹⁰	21 [°] 4	24 ⁴⁰	13 ¹⁵	13 ¹⁶	22 ³⁵	23 ⁴⁷	M26
T 27	20 55 45	12 ⁴⁴ 02	0 ⁸ 43	6 ⁵⁵	21 ²⁷	4 ⁴⁴	1 ¹²	27 ²⁹	28 ¹³	21 [°] 3	24 ³⁹	13 ¹³	13 ¹³	22 ⁴¹	23 ⁴⁵	T 27
W28	20 59 41	13 ⁴¹ 38	14 ⁵⁰	8 ¹⁹	20 ⁵³	4 ²⁹	1 ²⁴	27 ³³	28 ¹⁵	21 [°] 2	24 ³⁸	13 ¹³	13 ¹⁰	22 ⁴⁸	23 ⁴³	W28
T 29	21 3 38	14 ³⁹ 16	28 ⁴⁷	9 ⁴¹	20 ¹⁸	4 ¹⁴	1 ³⁷	27 ³⁷	28 ¹⁸	21 [°] 0	24 ³⁶	13 ¹³	13 [°] 6	22 ⁵⁵	23 ⁴¹	T 29
F 30	21 7 34	15 ³⁶ 56	12 ^{II} 34	11 [°] 1	19 ⁴²	4 [°] 0	1 ⁵⁰	27 ⁴⁰	28 ²¹	20 ⁵⁹	24 ³⁵	13 ¹¹	13 [°] 3	23 [°] 1	23 ³⁹	F 30
S 31	21 11 31	16 ⁰ 34'37	26 ^{II} 12	12 ¹⁷ 19	19 ⁰ 6	3 ¹ 46	2 ¹⁷ 3	27 ⁴³	28 ^{II} 24	20 ¹ 58	24 ³ 34	13 ¹¹ 7	13 ¹¹ 0	23 ¹ 8	23 ¹ 37	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	decl	lat	decl	lat	decl	lat
T 1	22n18	17n 3	0s11	23n31	1n41	11n55	1s37	23s16	5s55	13n49	0n59	17n12	2s 1	23n38	0n11	4s34	1s15	24s34	3s30	16s38	16s15	9s46	1n26	4n 1									
F 2	22 10	19 14	1 25	23 13	1 44	11 38	1 48	23 22	5 58	13 45	0 59	17 13	2 2	23 39	0 11	4 34	1 16	24 35	3 30	16 37	16 14	9 48	1 26	4 1									
S 3	22 2	20 13	2 34	22 54	1 46	11 21	2 0	23 29	6 2	13 41	0 58	17 14	2 2	23 39	0 11	4 34	1 16	24 35	3 30	16 36	16 13	9 49	1 26	4 1									
S 4	21 54	19 58	3 32	22 32	1 48	11 4	2 12	23 35	6 6	13 37	0 58	17 15	2 2	23 39	0 11	4 35	1 16	24 35	3 30	16 35	16 12	9 51	1 25	4 1									
M 5	21 45	18 32	4 17	22 8	1 49	10 48	2 24	23 41	6 9	13 33	0 58	17 17	2 2	23 39	0 11	4 35	1 16	24 36	3 30	16 32	16 12	9 53	1 25	4 2									
T 6	21 36	16 6	4 47	21 42	1 49	10 32	2 36	23 47	6 13	13 29	0 58	17 18	2 2	23 39	0 11	4 35	1 16	24 36	3 30	16 29	16 11	9 55	1 25	4 2									
W 7	21 26	12 53	5 1	21 15	1 48	10 17	2 48	23 54	6 16	13 25	0 58	17 19	2 2	23 39	0 11	4 35	1 16	24 37	3 30	16 26	16 10	9 57	1 25	4 2									
T 8	21 16	9 8	5 0	20 46	1 47	10 2	3 1	24 0	6 19	13 21	0 58	17 20	2 2	23 39	0 11	4 36	1 16	24 37	3 30	16 23	16 9	9 58	1 24	4 2									
F 9	21 6	5 4	4 43	20 15	1 46	9 48	3 14	24 6	6 22	13 17	0 58	17 21	2 2	23 39	0 11	4 36	1 16	24 37	3 30	16 20	16 8	10 0	1 24	4 2									
S 10	20 55	0 52	4 14	19 43	1 43	9 34	3 27	24 13	6 25	13 13	0 58	17 22	2 3	23 39	0 11	4 36	1 16	24 38	3 31	16 17	16 7	10 2	1 23	4 2									
S 11	20 44	3s17	3 33	19 10	1 41	9 21	3 40	24 19	6 28	13 9	0 58	17 23	2 3	23 39	0 11	4 37	1 16	24 38	3 31	16 16	16 6	10 4	1 23	4 2									
M12	20 32	7 15	2 44	18 36	1 37	9 9	3 54	24 25	6 30	13 4	0 58	17 24	2 3	23 39	0 11	4 37	1 16	24 38	3 31	16 15	16 5	10 5	1 23	4 2									
T 13	20 21	10 56	1 48	18 1	1 33	8 57	4 7	24 31	6 33	13 0	0 58	17 25	2 3	23 39	0 11	4 38	1 16	24 39	3 31	16 15	16 4	10 7	1 23	4 3									
W14	20 8	14 10	0 47	17 25	1 29	8 46	4 21	24 38	6 35	12 56	0 58	17 26	2 3	23 39	0 11	4 38	1 16	24 39	3 31	16 15	16 3	10 9	1 22	4 3									
T 15	19 56	16 51	0n16	16 48	1 24	8 36	4 34	24 44	6 37	12 52	0 58	17 27	2 3	23 40	0 11	4 38	1 16	24 39	3 31	16 15	16 2	10 11	1 22	4 3									
F 16	19 43	18 50	1 19	16 11	1 19	8 27	4 48	24 49	6 39	12 47	0 58	17 28	2 3	23 40	0 11	4 39	1 16	24 40	3 31	16 14	16 1	10 12	1 21	4 3									
S 17	19 30	19 58	2 20	15 33	1 13	8 18	5 1	24 55	6 40	12 43	0 58	17 29	2 4	23 40	0 11	4 39	1 16	24 40	3 31	16 14	16 0	10 14	1 21	4 3									
S 18	19 17	20 8	3 16	14 54	1 7	8 10	5 15	25 1	6 42	12 39	0 58	17 30	2 4	23 40	0 11	4 40	1 16	24 40	3 31	16 12	15 59	10 16	1 20	4 3									
M19	19 3	19 14	4 2	14 15	1 1	8 3	5 28	25 6	6 43	12 34	0 58	17 31	2 4	23 40	0 11	4 40	1 16	24 41	3 31	16 10	15 58	10 18	1 20	4 3									
T 20	18 49	17 16	4 37	13 36	0 54	7 57	5 42	25 11	6 44	12 30	0 58	17 32	2 4	23 40	0 11	4 40	1 16	24 41	3 31	16 7	15 57	10 19	1 19	4 3									
W21	18 34	14 17	4 57	12 57	0 47	7 52	5 55	25 16	6 45	12 26	0 58	17 33	2 4	23 40	0 11	4 41	1 16	24 41	3 31	16 3	15 56	10 21	1 19	4 4									
T 22	18 20	10 26	5 0	12 17	0 40	7 48	6 7	25 21	6 46	12 21	0 58	17 33	2 4	23 40	0 11	4 41	1 16	24 42	3 31	16 0	15 55	10 23	1 18	4 4									
F 23	18 5	5 56	4 43	11 38	0 32	7 45	6 20	25 26	6 46	12 17	0 58	17 34	2 5	23 40	0 11	4 42	1 16	24 42	3 31	15 57	15 54	10 25	1 17	4 4									
S 24	17 49	1 4	4 9	10 58	0 24	7 42	6 32	25 30	6 47	12 12	0 58	17 35	2 5	23 40	0 11	4 42	1 16	24 42	3 32	15 54	15 53	10 26	1 17	4 4									
S 25	17 34	3n53	3 19	10 18	0 16	7 41	6 43	25 34	6 47	12 8	0 58	17 36	2 5	23 40	0 11	4 43	1 17	24 42	3 32	15 52	15 53	10 28	1 16	4 4									
M26	17 18	8 35	2 16	9 38	0 8	7 40	6 54	25 38	6 47	12 3	0 58	17 36	2 5	23 40	0 11	4 43	1 17	24 43	3 32	15 51	15 52	10 30	1 16	4 4									
T 27	17 2	12 47	1 6	8 59	0s 1	7 41	7 5	25 42	6 47	11 59	0 58	17 37	2 5	23 40	0 11	4 44	1 17	24 43	3 32	15 51	15 51	10 31	1 15	4 4									
W28	16 45	16 11	0s 9	8 19	0 10	7 42	7 14	25 45	6 46	11 54	0 58	17 38	2 5	23 40	0 11	4 44	1 17	24 43	3 32	15 51	15 50	10 33	1 14	4 4									
T 29	16 29	18 37	1 21	7 40	0 19	7 44	7 24	25 48	6 46	11 50	0 58	17 38	2 5	23 40	0 11	4 45	1 17	24 44	3 32	15 51	15 49	10 35	1 13	4 4									
F 30	16 12	19 54	2 29	7 1	0 28	7 47	7 32	25 51	6 45	11 45	0 58	17 39	2 6	23 40	0 11	4 45	1 17	24 44	3 32	15 50	15 48	10 37	1 13	4 4									
S 31	15n54	20n 0	3s26	6n23	0s37	7n51	7s40	25s53	6s44	11n41	0n58	17n39	2s 6	23n41	0n11	4s46	1s17	24s44	3s32	15s49	15s47	10s38	1n12	4n 4									

ASTRODIENST EPHEMERIS for the year 1529

geocentric

SEPTEMBER 1529 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	23 17 41	17 ^h 33'47"	28 ^h 03'	25°R 7	11 ^h 01'19"	2 ^h 22'15"	8 ^h 57'57"	28°R39	29 ^h 22'28"	20°R 9	24°R 1	10°R 0	11 ^h 18'18"	26 ^h 41'41"	22°R15	W 1
T 2	23 21 37	18°32'24"	10 ^h 02'25"	24 ^h 07'	11°39'	2°25'	9°10'	28 ^h 39'	29°30'	20 ^h 07'	24 ^h 00'	9 ^h 50'	11°15'	26°47'	22 ^h 12'	T 2
F 3	23 25 34	19°31'02"	22°36'	23° 4	12° 1	2°36'	9°23'	28°38'	29°31'	20° 6	23°59'	9°41'	11°12'	26°54'	22° 9	F 3
S 4	23 29 30	20°29'42"	4 ^h 23'38"	22° 0	12°25'	2°47'	9°35'	28°38'	29°32'	20° 4	23°59'	9°34'	11° 9	27° 1	22° 6	S 4
S 5	23 33 27	21°28'24"	16°32'	20°56'	12°50'	2°59'	9°48'	28°38'	29°33'	20° 2	23°58'	9°29'	11° 6	27° 7	22° 3	S 5
M 6	23 37 23	22°27'09"	28°20'	19°53'	13°17'	3°12'	10° 1	28°37'	29°34'	20° 1	23°57'	9°26'	11° 2	27°14'	22° 1	M 6
T 7	23 41 20	23°25'55"	10 ^h 06'	18°53'	13°45'	3°25'	10°14'	28°37'	29°35'	19°59'	23°57'	9°D26'	10°59'	27°21'	21°58'	T 7
W 8	23 45 16	24°24'43"	21°53'	17°58'	14°15'	3°39'	10°27'	28°36'	29°36'	19°57'	23°56'	9°26'	10°56'	27°27'	21°55'	W 8
T 9	23 49 13	25°23'32"	3 ^h 46'	17° 9	14°47'	3°54'	10°40'	28°35'	29°37'	19°56'	23°56'	9°28'	10°53'	27°34'	21°52'	T 9
F 10	23 53 10	26°22'24"	15°49'	16°27'	15°20'	4°10'	10°52'	28°34'	29°38'	19°54'	23°55'	9°29'	10°50'	27°41'	21°49'	F 10
S 11	23 57 6	27°21'17"	28° 7	15°54'	15°54'	4°26'	11° 5	28°33'	29°39'	19°52'	23°55'	9°R30'	10°47'	27°47'	21°46'	S 11
S 12	0 1 3	28°20'12"	10 ^h 34'46"	15°30'	16°30'	4°43'	11°18'	28°32'	29°40'	19°51'	23°54'	9°29'	10°43'	27°54'	21°44'	S 12
M13	0 4 59	29°19'09"	23°50'	15°16'	17° 7	5° 0	11°31'	28°31'	29°40'	19°49'	23°54'	9°26'	10°40'	28° 1	21°41'	M13
T 14	0 8 56	0 ^h 18'07"	7 ^h 22'21"	15°D13'	17°45'	5°18'	11°43'	28°30'	29°41'	19°48'	23°54'	9°22'	10°37'	28° 7	21°38'	T 14
W15	0 12 52	1°17'08"	21°21'	15°19'	18°24'	5°36'	11°56'	28°28'	29°42'	19°46'	23°53'	9°17'	10°34'	28°14'	21°35'	W15
T 16	0 16 49	2°16'10"	5 ^h 48'	15°36'	19° 5	5°56'	12° 9	28°27'	29°42'	19°44'	23°53'	9°11'	10°31'	28°21'	21°32'	T 16
F 17	0 20 45	3°15'14"	20°37'	16° 3	19°46'	6°15'	12°21'	28°25'	29°43'	19°43'	23°53'	9° 6	10°28'	28°27'	21°30'	F 17
S 18	0 24 42	4°14'20"	5 ^h 41'	16°39'	20°29'	6°36'	12°34'	28°23'	29°43'	19°41'	23°52'	9° 1	10°24'	28°34'	21°27'	S 18
S 19	0 28 39	5°13'28"	20°49'	17°24'	21°13'	6°56'	12°46'	28°21'	29°44'	19°40'	23°52'	8°59'	10°21'	28°40'	21°24'	S 19
M20	0 32 35	6°12'38"	5 ^h 54'	18°18'	21°57'	7°18'	12°59'	28°19'	29°44'	19°38'	23°52'	8°D58'	10°18'	28°47'	21°21'	M20
T 21	0 36 32	7°11'50"	20°45'	19°19'	22°43'	7°39'	13°11'	28°17'	29°44'	19°36'	23°52'	8°58'	10°15'	28°54'	21°19'	T 21
W22	0 40 28	8°11'05"	5 ^h 19'	20°26'	23°30'	8° 2	13°23'	28°15'	29°45'	19°35'	23°51'	8°59'	10°12'	29° 0	21°16'	W22
T 23	0 44 25	9°10'23"	19°30'	21°40'	24°17'	8°24'	13°36'	28°13'	29°45'	19°33'	23°51'	9° 1	10° 8	29° 7	21°13'	T 23
F 24	0 48 21	10° 9'42"	3 ^h 17'	22°59'	25° 6	8°48'	13°48'	28°10'	29°45'	19°32'	23°51'	9° 2	10° 5	29°14'	21°11'	F 24
S 25	0 52 18	11° 9'04"	16°42'	24°22'	25°55'	9°11'	14° 0	28° 8	29°45'	19°30'	23°51'	9°R 2	10° 2	29°20'	21° 8	S 25
S 26	0 56 14	12° 8'28"	29°47'	25°50'	26°45'	9°35'	14°13'	28° 5	29°R45'	19°29'	23°51'	9° 1	9°59'	29°27'	21° 5	S 26
M27	1 0 11	13° 7'55"	12 ^h 03'44"	27°20'	27°36'	10° 0	14°25'	28° 3	29°45'	19°27'	23°D51'	8°58'	9°56'	29°34'	21° 3	M27
T 28	1 4 8	14° 7'24"	25° 5	28°53'	28°27'	10°25'	14°37'	28° 0	29°45'	19°26'	23°51'	8°55'	9°53'	29°40'	21° 0	T 28
W29	1 8 4	15° 6'55"	7 ^h 23'	0 ^h 29'	29°20'	10°51'	14°49'	27°57'	29°45'	19°24'	23°51'	8°51'	9°49'	29°47'	20°58'	W29
T 30	1 12 1	16° 6'28"	19 ^h 31'	2 ^h 26'	0 ^h 13'	11°22'16"	15 ^h 11'	27°54'	29°45'	19°23'	23°51'	8°47'	9°46'	29°54'	20°55'	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	decl	lat
W 1	4n56	7n37	4s51	1s33	3s48	11n58	5s40	24s41	5s 7	9n 9	0n59	17n46	2s12	23n42	0n12	5s 6	1s17	24s51	3s33	14s51	15s16	11s32	0n40	4n 5			
T 2	4 33	3 36	4 24	1 0	3 38	12 2	5 30	24 35	5 3	9 4	0 59	17 46	2 12	23 42	0 12	5 6	1 17	24 51	3 33	14 48	15 15	11 33	0 39	4 5			
F 3	4 10	0s30	3 45	0 24	3 26	12 5	5 21	24 29	4 59	8 59	0 59	17 46	2 12	23 42	0 12	5 7	1 17	24 51	3 33	14 45	15 14	11 35	0 38	4 5			
S 4	3 47	4 33	2 57	0n14	3 12	12 8	5 11	24 22	4 55	8 55	1 0	17 45	2 12	23 42	0 12	5 8	1 17	24 51	3 33	14 43	15 13	11 36	0 37	4 5			
S 5	3 23	8 22	2 1	0 54	2 57	12 11	5 2	24 15	4 51	8 50	1 0	17 45	2 12	23 42	0 12	5 8	1 17	24 51	3 33	14 41	15 12	11 38	0 35	4 5			
M 6	3 0	11 50	1 0	1 34	2 39	12 12	4 52	24 8	4 47	8 45	1 0	17 45	2 12	23 42	0 12	5 9	1 17	24 51	3 33	14 40	15 11	11 40	0 34	4 5			
T 7	2 37	14 50	0n 4	2 15	2 21	12 14	4 42	24 1	4 43	8 40	1 0	17 45	2 13	23 42	0 12	5 10	1 17	24 52	3 33	14 40	15 10	11 41	0 33	4 5			
W 8	2 14	17 12	1 7	2 54	2 2	12 14	4 33	23 54	4 39	8 35	1 0	17 44	2 13	23 42	0 12	5 10	1 17	24 52	3 33	14 40	15 9	11 43	0 32	4 4			
T 9	1 50	18 51	2 8	3 32	1 42	12 14	4 23	23 47	4 35	8 31	1 0	17 44	2 13	23 42	0 12	5 11	1 17	24 52	3 33	14 41	15 8	11 44	0 31	4 4			
F 10	1 27	19 41	3 5	4 6	1 22	12 14	4 14	23 39	4 31	8 26	1 0	17 44	2 13	23 42	0 12	5 12	1 17	24 52	3 33	14 41	15 7	11 46	0 29	4 4			
S 11	1 3	19 35	3 54	4 38	1 2	12 13	4 4	23 31	4 27	8 21	1 0	17 43	2 13	23 42	0 12	5 12	1 17	24 52	3 33	14 41	15 6	11 48	0 28	4 4			
S 12	0 40	18 31	4 33	5 5	0 42	12 11	3 55	23 23	4 23	8 16	1 0	17 43	2 13	23 42	0 12	5 13	1 17	24 52	3 33	14 41	15 5	11 49	0 27	4 4			
M13	0 16	16 28	5 0	5 28	0 23	12 9	3 46	23 15	4 20	8 12	1 0	17 42	2 14	23 42	0 12	5 14	1 17	24 52	3 33	14 40	15 4	11 51	0 26	4 4			
T 14	0s 7	13 28	5 11	5 47	0 4	12 7	3 37	23 7	4 16	8 7	1 0	17 42	2 14	23 42	0 12	5 14	1 17	24 52	3 32	14 39	15 3	11 52	0 25	4 4			
W15	0 31	9 37	5 4	6 0	0n13	12 4	3 28	22 59	4 12	8 2	1 0	17 41	2 14	23 42	0 12	5 15	1 17	24 52	3 32	14 37	15 2	11 54	0 23	4 4			
T 16	0 54	5 5	4 39	6 8	0 29	12 0	3 18	22 50	4 8	7 57	1 1	17 41	2 14	23 42	0 12	5 16	1 17	24 52	3 32	14 36	15 1	11 56	0 22	4 4			
F 17	1 18	0 9	3 54	6 11	0 44	11 55	3 9	22 42	4 4	7 53	1 1	17 40	2 14	23 42	0 12	5 16	1 17	24 52	3 32	14 34	15 0	11 57	0 21	4 4			
S 18	1 41	4n53	2 52	6 10	0 57	11 50	3 1	22 33	4 0	7 48	1 1	17 40	2 14	23 42	0 12	5 17	1 17	24 52	3 32	14 32	14 59	11 59	0 20	4 3			
S 19	2 5	9 39	1 38	6 3	1 9	11 45	2 52	22 24	3 57	7 43	1 1	17 39	2 15	23 42	0 12	5 17	1 17	24 52	3 32	14 32	14 58	12 0	0 19	4 3			
M20	2 28	13 47	0 17	5 52	1 20	11 39	2 43	22 15	3 53	7 38	1 1	17 39	2 15	23 42	0 12	5 18	1 17	24 52	3 32	14 31	14 57	12 2	0 17	4 3			
T 21	2 52	16 57	1s 4	5 36	1 29	11 32	2 35	22 5	3 49	7 34	1 1	17 38	2 15	23 42	0 12	5 19	1 17	24 52	3 32	14 31	14 56	12 3	0 16	4 3			
W22	3 15	18 57	2 20	5 17	1 37	11 25	2 26	21 56	3 46	7 29	1 1	17 38	2 15	23 42	0 12	5 19	1 17	24 52	3 32	14 32	14 55	12 5	0 15	4 3			
T 23	3 39	19 41	3 24	4 54	1 43	11 18	2 18	21 46	3 42	7 24	1 1	17 37	2 15	23 42	0 12	5 20	1 17	24 52	3 32	14 32	14 54	12 7	0 14	4 3			
F 24	4 2	19 12	4 15	4 27	1 49	11 9	2 10	21 37	3 38	7 20	1 1	17 36	2 15	23 42	0 12	5 21	1 17	24 52	3 32	14 33	14 53	12 8	0 13	4 3			
S 25	4 25	17 38	4 51	3 58	1 53	11 0	2 1	21 27	3 35	7 15	1 1	17 36	2 15	23 42	0 12	5 21	1 17	24 52	3 32	14 33	14 52	12 10	0 11	4 2			
S 26	4 49	15 11	5 10	3 26	1 56	10 51	1 53	21 17	3 31	7 11	1 2	17 35	2 16	23 42	0 12	5 22	1 17	24 52	3 32	14 32	14 51	12 11	0 10	4 2			
M27	5 12	12 3	5 14	2 52	1 58	10 41	1 45	21 7	3 28	7 6	1 2	17 34	2 16	23 42	0 12	5 22	1 17	24 52	3 32	14 31	14 50	12 13	0 9	4 2			
T 28	5 35	8 27	5 2	2 16	1 59	10 31	1 38	20 57	3 24	7 1	1 2	17 33	2 16	23 42	0 12	5 23	1 17	24 52	3 32	14 30	14 49	12 14	0 8	4 2			
W29	5 58	4 32	4 37	1 38	1 59	10 20	1 30	20 46	3 21	6 57	1 2	17 33	2 16	23 42	0 12	5 23	1 17	24 52	3 32	14 29	14 48	12 16	0 7	4 2			
T 30	6s21	0n30	3s59	0n58	1n59	10n 8	1s22	20s36	3s17	6n52	1n 2	17n32	2s16	23n42	0n12	5s24	1s17	24s52	3s32	14s28	14s47	12s17	0n 6	4n 5			

ASTRODIENST EPHEMERIS for the year 1529

OCTOBER 1529 JC

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
F 1	1 15 57	17♌ 6'04	1♌31	3♌45	1♍ 6	11♎43	15♏13	27°R51	29°R44	19°R21	23♐51	8°R43	9♑43	0♒ 0	20°R53	F 1
S 2	1 19 54	18° 5'41	13°24	5°25	2° 1	12° 9	15°25	27♑48	29♒44	19♓20	23°51	8♒41	9°40	0° 7	20♓50	S 2
S 3	1 23 50	19° 5'21	25°13	7° 6	2°56	12°36	15°37	27°45	29°44	19°19	23°51	8°39	9°37	0°13	20°48	S 3
M 4	1 27 47	20° 5'02	7♒ 0	8°47	3°51	13° 4	15°49	27°42	29°43	19°17	23°52	8°D38	9°33	0°20	20°45	M 4
T 5	1 31 43	21° 4'46	18°47	10°29	4°47	13°32	16° 0	27°38	29°43	19°16	23°52	8°39	9°30	0°27	20°43	T 5
W 6	1 35 40	22° 4'32	0♑37	12°11	5°44	14° 0	16°12	27°35	29°42	19°14	23°52	8°40	9°27	0°33	20°41	W 6
T 7	1 39 36	23° 4'19	12°32	13°53	6°41	14°28	16°24	27°31	29°42	19°13	23°52	8°41	9°24	0°40	20°38	T 7
F 8	1 43 33	24° 4'08	24°37	15°34	7°39	14°57	16°35	27°28	29°41	19°12	23°53	8°42	9°21	0°47	20°36	F 8
S 9	1 47 30	25° 3'59	6♑56	17°16	8°37	15°27	16°47	27°24	29°41	19°11	23°53	8°43	9°18	0°53	20°34	S 9
S 10	1 51 26	26° 3'52	19°32	18°58	9°36	15°56	16°58	27°20	29°40	19° 9	23°53	8°44	9°14	1° 0	20°32	S 10
M11	1 55 23	27° 3'46	2♑30	20°39	10°35	16°26	17°10	27°16	29°39	19° 8	23°54	8°R44	9°11	1° 7	20°30	M11
T 12	1 59 19	28° 3'42	15°53	22°20	11°34	16°56	17°21	27°12	29°38	19° 7	23°54	8°44	9° 8	1°13	20°28	T 12
W13	2 3 16	29° 3'40	29°42	24° 0	12°35	17°27	17°32	27° 8	29°38	19° 6	23°55	8°43	9° 5	1°20	20°25	W13
T 14	2 7 12	0♒ 3'39	13♓59	25°40	13°35	17°57	17°43	27° 4	29°37	19° 5	23°55	8°42	9° 2	1°27	20°23	T 14
F 15	2 11 9	1° 3'40	28°41	27°20	14°36	18°28	17°54	27° 0	29°36	19° 3	23°55	8°41	8°59	1°33	20°21	F 15
S 16	2 15 5	2° 3'42	13♑42	28°59	15°37	19° 0	18° 5	26°56	29°35	19° 2	23°56	8°40	8°55	1°40	20°19	S 16
S 17	2 19 2	3° 3'47	28°54	0♒38	16°39	19°31	18°16	26°52	29°34	19° 1	23°57	8°40	8°52	1°47	20°18	S 17
M18	2 22 59	4° 3'53	14♑ 8	2°16	17°41	20° 3	18°27	26°48	29°33	19° 0	23°57	8°D40	8°49	1°53	20°16	M18
T 19	2 26 55	5° 4'01	29°14	3°54	18°44	20°35	18°38	26°43	29°31	18°59	23°58	8°40	8°46	2° 0	20°14	T 19
W20	2 30 52	6° 4'11	14♒ 4	5°32	19°47	21° 8	18°49	26°39	29°30	18°58	23°58	8°40	8°43	2° 6	20°12	W20
T 21	2 34 48	7° 4'23	28°31	7° 9	20°50	21°40	18°59	26°34	29°29	18°57	23°59	8°40	8°39	2°13	20°10	T 21
F 22	2 38 45	8° 4'38	12♑31	8°46	21°54	22°13	19°10	26°30	29°28	18°56	24° 0	8°40	8°36	2°20	20° 9	F 22
S 23	2 42 41	9° 4'54	26° 5	10°22	22°58	22°46	19°20	26°25	29°26	18°55	24° 0	8°R40	8°33	2°26	20° 7	S 23
S 24	2 46 38	10° 5'12	9♒12	11°58	24° 2	23°19	19°31	26°21	29°25	18°54	24° 1	8°D40	8°30	2°33	20° 6	S 24
M25	2 50 34	11° 5'33	21°57	13°34	25° 6	23°52	19°41	26°16	29°24	18°53	24° 2	8°40	8°27	2°40	20° 4	M25
T 26	2 54 31	12° 5'55	4♒23	15° 9	26°11	24°26	19°51	26°11	29°22	18°53	24° 3	8°41	8°24	2°46	20° 3	T 26
W27	2 58 28	13° 6'19	16°33	16°44	27°16	25° 0	20° 1	26° 7	29°21	18°52	24° 4	8°41	8°20	2°53	20° 1	W27
T 28	3 2 24	14° 6'45	28°33	18°18	28°22	25°34	20°11	26° 2	29°19	18°51	24° 4	8°42	8°17	3° 0	20° 0	T 28
F 29	3 6 21	15° 7'13	10♑25	19°53	29°28	26° 8	20°21	25°57	29°17	18°50	24° 5	8°42	8°14	3° 6	19°58	F 29
S 30	3 10 17	16° 7'43	22°13	21°27	0♑34	26°43	20°31	25°52	29°16	18°49	24° 6	8°43	8°11	3°13	19°57	S 30
S 31	3 14 14	17♌ 8'14	4♌ 0	23♌ 1	1♑40	27≈17	20♒40	25♑47	29♒14	18♓49	24♐ 7	8°R43	8♌ 8	3♒20	19♓56	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	decl	lat
F 1	6s44	3s31	3s11	0n18	1n57	9n56	1 s15	20s25	3s14	6n48	1n 2	17n31	2s16	23n42	0n12	5s25	1s17	24s52	3s32	14s27	14s46	12s19	0n 4	4n 1					
S 2	7 7	7 23	2 15	0s24	1 55	9 44	1 8	20 14	3 10	6 43	1 2	17 30	2 16	23 42	0 12	5 25	1 17	24 52	3 32	14 26	14 45	12 20	0 3	4 1					
S 3	7 30	10 55	1 14	1 6	1 53	9 31	1 0	20 3	3 7	6 39	1 2	17 29	2 16	23 42	0 12	5 26	1 17	24 52	3 32	14 25	14 44	12 22	0 2	4					
M 4	7 52	14 2	0 9	1 49	1 49	9 18	0 53	19 52	3 4	6 34	1 3	17 29	2 17	23 42	0 12	5 26	1 17	24 52	3 32	14 25	14 43	12 24	0 1	4					
T 5	8 15	16 33	0n56	2 32	1 46	9 4	0 46	19 41	3 0	6 30	1 3	17 28	2 17	23 42	0 12	5 27	1 17	24 52	3 32	14 25	14 42	12 25	0 0	4					
W 6	8 37	18 23	1 59	3 16	1 42	8 49	0 40	19 30	2 57	6 25	1 3	17 27	2 17	23 42	0 12	5 27	1 17	24 52	3 32	14 25	14 41	12 27	0s 1	4 1					
T 7	8 59	19 26	2 57	4 0	1 37	8 34	0 33	19 18	2 54	6 21	1 3	17 26	2 17	23 42	0 12	5 28	1 17	24 52	3 32	14 26	14 40	12 28	0 2	4 0					
F 8	9 22	19 35	3 48	4 43	1 33	8 19	0 26	19 7	2 51	6 17	1 3	17 25	2 17	23 42	0 13	5 28	1 17	24 52	3 32	14 26	14 39	12 30	0 3	4 0					
S 9	9 44	18 49	4 30	5 27	1 27	8 3	0 20	18 55	2 48	6 12	1 3	17 24	2 17	23 42	0 13	5 29	1 17	24 52	3 32	14 27	14 38	12 31	0 4	4 0					
S 10	10 5	17 7	5 0	6 11	1 22	7 47	0 14	18 43	2 45	6 8	1 3	17 23	2 17	23 42	0 13	5 29	1 17	24 52	3 32	14 27	14 37	12 33	0 5	4 0					
M11	10 27	14 31	5 16	6 54	1 16	7 30	0 7	18 31	2 41	6 4	1 4	17 22	2 17	23 42	0 13	5 30	1 17	24 52	3 32	14 27	14 36	12 34	0 6	3 59					
T 12	10 49	11 6	5 15	7 37	1 11	7 13	0 1	18 19	2 38	5 59	1 4	17 21	2 17	23 42	0 13	5 30	1 17	24 51	3 32	14 27	14 35	12 36	0 7	3 59					
W13	11 10	6 58	4 57	8 20	1 5	6 56	0n 5	18 7	2 35	5 55	1 4	17 20	2 17	23 42	0 13	5 31	1 17	24 51	3 32	14 26	14 33	12 37	0 8	3 59					
T 14	11 31	2 19	4 20	9 2	0 58	6 38	0 10	17 54	2 32	5 51	1 4	17 19	2 17	23 43	0 13	5 31	1 17	24 51	3 32	14 26	14 32	12 39	0 9	3 59					
F 15	11 52	2n36	3 25	9 44	0 52	6 20	0 16	17 42	2 29	5 47	1 4	17 18	2 17	23 43	0 13	5 31	1 17	24 51	3 32	14 26	14 31	12 40	0 10	3 59					
S 16	12 13	7 29	2 15	10 26	0 46	6 1	0 22	17 29	2 27	5 42	1 4	17 17	2 17	23 43	0 13	5 32	1 17	24 51	3 32	14 26	14 30	12 42	0 11	3 58					
S 17	12 34	11 57	0 54	11 7	0 39	5 42	0 27	17 16	2 24	5 38	1 5	17 16	2 18	23 43	0 13	5 32	1 17	24 51	3 32	14 25	14 29	12 43	0 12	3 58					
M18	12 54	15 38	0s30	11 47	0 32	5 22	0 32	17 3	2 21	5 34	1 5	17 15	2 18	23 43	0 13	5 33	1 17	24 51	3 32	14 25	14 28	12 45	0 13	3 58					
T 19	13 15	18 13	1 52	12 27	0 26	5 3	0 37	16 51	2 18	5 30	1 5	17 14	2 18	23 43	0 13	5 33	1 17	24 51	3 32	14 25	14 27	12 46	0 14	3 58					
W20	13 35	19 29	3 5	13 6	0 19	4 42	0 42	16 37	2 15	5 26	1 5	17 13	2 18	23 43	0 13	5 33	1 17	24 51	3 32	14 26	14 26	12 48	0 15	3 57					
T 21	13 54	19 26	4 4	13 44	0 12	4 22	0 47	16 24	2 12	5 22	1 5	17 12	2 18	23 43	0 13	5 34	1 17	24 50	3 32	14 26	14 25	12 49	0 16	3 57					
F 22	14 14	18 10	4 46	14 22	0 6	4 1	0 52	16 11	2 10	5 18	1 5	17 11	2 18	23 43	0 13	5 34	1 17	24 50	3 32	14 26	14 24	12 50	0 17	3 57					
S 23	14 34	15 54	5 11	14 59	0s 1	3 40	0 57	15 58	2 7	5 14	1 6	17 10	2 18	23 43	0 13	5 34	1 17	24 50	3 32	14 26	14 23	12 52	0 18	3 57					
S 24	14 53	12 53	5 18	15 35	0 8	3 19	1 1	15 44	2 4	5 10	1 6	17 9	2 18	23 43	0 13	5 35	1 17	24 50	3 32	14 26	14 22	12 53	0 19	3 56					
M25	15 12	9 20	5 10	16 10	0 14	2 57	1 6	15 30	2 2	5 6	1 6	17 8	2 18	23 43	0 13	5 35	1 17	24 50	3 32	14 26	14 21	12 55	0 19	3 56					
T 26	15 30	5 28	4 47	16 45	0 21	2 35	1 10	15 17	1 59	5 3	1 6	17 7	2 18	23 43	0 13	5 35	1 17	24 50	3 32	14 26	14 20	12 56	0 20	3 56					
W27	15 49	1 27	4 11	17 19	0 27	2 13	1 14	15 3	1 56	4 59	1 6	17 6	2 18	23 43	0 13	5 36	1 17	24 49	3 32	14 26	14 19	12 58	0 21	3 56					
T 28	16 7	2s34	3 25	17 52	0 34	1 50	1 18	14 49	1 54	4 55	1 6	17 5	2 18	23 43	0 13	5 36	1 17	24 49	3 32	14 26	14 18	12 59	0 22	3 55					
F 29	16 25	6 27	2 31	18 24	0 40	1 28	1 22	14 35	1 51	4 51	1 7	17 4	2 18	23 43	0 13	5 36	1 17	24 49	3 32	14 26	14 17	13 1	0 23	3 55					
S 30	16 42	10 4	1 31	18 55	0 47	1 5	1 25	14 21	1 49	4 48	1 7	17 2	2 18	23 43	0 13	5 36	1 17	24 49	3 32	14 26	14 16	13 2	0 23	3 55					
S 31	17s 0	13s18	0s26	19s25	0s53	0n42	1n29	14s 6	1s46	4n44	1n 7	17n 1	2s18	23n43	0n13	5s37	1s17	24s49	3s32	14s27	14s15	13s 4	0s24	3n55					

Julian Day Number = 2279798.5, Delta T = 225.03 sec

Ecliptic obliquity = 23°29'55". Nutation = 0°00'10". out-of-bounds declination in red

Avanamsha: Fagan/Bradley = 18°10'43, Lahiri = 17°17'44 Julian Calendar 1 Oct. 1529 == Greg. Calendar 11 Oct. 1529

ASTRODIENST EPHEMERIS for the year 1529

geocentric

NOVEMBER 1529 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	3 18 10	18 ^m 8'47	15 ^m 48	24 ^m 34	2 ^h 46	27 ^h 52	20 ^h 50	25°R43	29°R12	18°R48	24 ^h 8	8°R43	8 ^m 4	3 ^m 26	19°R55	M 1
T 2	3 22 7	19° 9'22	27°40	26° 8	3°53	28°27	20°59	25 ^h 38	29 ^h 11	18 ^h 47	24° 9	8 ^m 43	8° 1	3°33	19 ^h 54	T 2
W 3	3 26 3	20° 9'58	9 ^h 37	27°41	5° 0	29° 2	21° 9	25°33	29° 9	18°47	24°10	8°41	7°58	3°40	19°53	W 3
T 4	3 30 0	21°10'36	21°42	29°14	6° 7	29°38	21°18	25°28	29° 7	18°46	24°11	8°40	7°55	3°46	19°52	T 4
F 5	3 33 57	22°11'15	3 ^h 56	0 ^h 46	7°15	0 ^h 13	21°27	25°23	29° 5	18°46	24°12	8°38	7°52	3°53	19°51	F 5
S 6	3 37 53	23°11'55	16°22	2°19	8°22	0°49	21°36	25°18	29° 3	18°45	24°13	8°36	7°49	3°59	19°50	S 6
S 7	3 41 50	24°12'37	29° 2	3°51	9°30	1°24	21°45	25°13	29° 1	18°45	24°14	8°34	7°45	4° 6	19°49	S 7
M 8	3 45 46	25°13'19	12 ^h 0	5°24	10°38	2° 0	21°54	25° 8	28°59	18°44	24°16	8°32	7°42	4°13	19°48	M 8
T 9	3 49 43	26°14'03	25°16	6°56	11°47	2°37	22° 3	25° 3	28°57	18°44	24°17	8°D32	7°39	4°19	19°47	T 9
W10	3 53 39	27°14'48	8 ^h 54	8°27	12°55	3°13	22°11	24°58	28°55	18°44	24°18	8°32	7°36	4°26	19°47	W10
T 11	3 57 36	28°15'33	22°55	9°59	14° 4	3°49	22°20	24°53	28°53	18°43	24°19	8°33	7°33	4°33	19°46	T 11
F 12	4 1 32	29°16'20	7 ^h 18	11°30	15°13	4°26	22°28	24°49	28°51	18°43	24°20	8°35	7°30	4°39	19°45	F 12
S 13	4 5 29	0 ^h 17'08	22° 1	13° 2	16°22	5° 2	22°36	24°44	28°49	18°43	24°22	8°36	7°26	4°46	19°45	S 13
S 14	4 9 26	1°17'56	6 ^h 58	14°33	17°31	5°39	22°44	24°39	28°46	18°42	24°23	8°R37	7°23	4°53	19°44	S 14
M15	4 13 22	2°18'46	22° 3	16° 3	18°40	6°16	22°52	24°34	28°44	18°42	24°24	8°36	7°20	4°59	19°44	M15
T 16	4 17 19	3°19'37	7 ^h 11	17°34	19°50	6°53	23° 0	24°29	28°42	18°42	24°26	8°34	7°17	5° 6	19°44	T 16
W17	4 21 15	4°20'29	22° 2	19° 4	20°59	7°30	23° 8	24°24	28°40	18°42	24°27	8°31	7°14	5°13	19°43	W17
T 18	4 25 12	5°21'22	6 ^h 53	20°34	22° 9	8° 7	23°15	24°19	28°38	18°42	24°28	8°28	7°10	5°19	19°43	T 18
F 19	4 29 8	6°22'17	20°48	22° 3	23°19	8°44	23°23	24°15	28°35	18°42	24°30	8°23	7° 7	5°26	19°43	F 19
S 20	4 33 5	7°23'13	4 ^h 32	23°32	24°29	9°22	23°30	24°10	28°33	18°42	24°31	8°19	7° 4	5°32	19°43	S 20
S 21	4 37 1	8°24'10	17°48	25° 0	25°39	9°59	23°37	24° 5	28°30	18°D42	24°32	8°16	7° 1	5°39	19°D43	S 21
M22	4 40 58	9°25'08	0 ^h 38	26°28	26°50	10°37	23°44	24° 1	28°28	18°42	24°34	8°15	6°58	5°46	19°43	M22
T 23	4 44 55	10°26'07	13° 5	27°54	28° 0	11°14	23°51	23°56	28°26	18°42	24°35	8°D14	6°55	5°52	19°43	T 23
W24	4 48 51	11°27'07	25°15	29°20	29°11	11°52	23°58	23°51	28°23	18°42	24°37	8°15	6°51	5°59	19°43	W24
T 25	4 52 48	12°28'09	7 ^h 11	0 ^h 34	0 ^h 22	12°30	24° 5	23°47	28°21	18°42	24°38	8°17	6°48	6° 6	19°43	T 25
F 26	4 56 44	13°29'12	19° 1	2° 8	1°33	13° 8	24°11	23°42	28°18	18°42	24°40	8°19	6°45	6°12	19°44	F 26
S 27	5 0 41	14°30'15	0 ^h 47	3°29	2°44	13°46	24°17	23°38	28°16	18°42	24°41	8°20	6°42	6°19	19°44	S 27
S 28	5 4 37	15°31'20	12°34	4°49	3°55	14°24	24°23	23°33	28°13	18°43	24°43	8°R20	6°39	6°26	19°44	S 28
M29	5 8 34	16°32'26	24°26	6° 6	5° 6	15° 2	24°29	23°29	28°11	18°43	24°45	8°19	6°36	6°32	19°45	M29
T 30	5 12 30	17°33'32	6 ^h 25	7°21	6 ^m 18	15 ^h 40	24 ^h 35	23 ^h 25	28 ^h 8	18 ^h 43	24 ^h 46	8 ^m 15	6 ^m 32	6 ^m 39	19 ^h 45	T 30

Day	☉	☾	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	♂
M 1	17s17	15s59	0n39	19s55	0s59	0n18	1n32	13s52	1s44	4n40	1n 7	17n 0	2s18	23n43	0n13	5s37	1s17	24s49	3s32	14s27
T 2	17 33	18 1	1 43	20 23	1 5	0s 5	1 36	13 38	1 41	4 37	1 7	16 59	2 18	23 43	0 13	5 37	1 17	24 48	3 32	14 26
W 3	17 50	19 15	2 43	20 51	1 11	0 29	1 39	13 23	1 39	4 33	1 8	16 58	2 18	23 43	0 13	5 37	1 17	24 48	3 32	14 26
T 4	18 6	19 38	3 37	21 17	1 17	0 53	1 42	13 8	1 37	4 30	1 8	16 57	2 18	23 43	0 13	5 38	1 17	24 48	3 32	14 25
F 5	18 22	19 6	4 21	21 42	1 22	1 17	1 45	12 54	1 34	4 26	1 8	16 56	2 18	23 43	0 13	5 38	1 17	24 48	3 32	14 25
S 6	18 37	17 38	4 53	22 6	1 28	1 41	1 47	12 39	1 32	4 23	1 8	16 55	2 17	23 43	0 13	5 38	1 17	24 48	3 32	14 24
S 7	18 52	15 18	5 12	22 30	1 33	2 5	1 50	12 24	1 30	4 20	1 8	16 54	2 17	23 43	0 13	5 38	1 16	24 47	3 32	14 24
M 8	19 7	12 11	5 16	22 52	1 38	2 30	1 53	12 9	1 27	4 16	1 9	16 52	2 17	23 43	0 13	5 38	1 16	24 47	3 32	14 23
T 9	19 21	8 22	5 3	23 13	1 43	2 54	1 55	11 54	1 25	4 13	1 9	16 51	2 17	23 43	0 13	5 38	1 16	24 47	3 32	14 23
W10	19 36	4 2	4 33	23 32	1 47	3 19	1 57	11 38	1 23	4 10	1 9	16 50	2 17	23 43	0 13	5 39	1 16	24 47	3 32	14 23
T 11	19 49	0n39	3 47	23 51	1 52	3 44	1 59	11 23	1 21	4 7	1 9	16 49	2 17	23 43	0 13	5 39	1 16	24 47	3 32	14 23
F 12	20 3	5 25	2 45	24 8	1 56	4 8	2 1	11 8	1 19	4 4	1 9	16 48	2 17	23 43	0 13	5 39	1 16	24 46	3 32	14 24
S 13	20 16	10 0	1 30	24 24	2 0	4 33	2 3	10 52	1 17	4 1	1 10	16 47	2 17	23 43	0 13	5 39	1 16	24 46	3 32	14 24
S 14	20 28	14 1	0 9	24 39	2 4	4 58	2 5	10 37	1 14	3 58	1 10	16 46	2 17	23 43	0 13	5 39	1 16	24 46	3 32	14 24
M15	20 40	17 9	1s14	24 52	2 7	5 23	2 7	10 21	1 12	3 55	1 10	16 45	2 17	23 43	0 13	5 39	1 16	24 46	3 32	14 24
T 16	20 52	19 4	2 31	25 4	2 10	5 48	2 8	10 6	1 10	3 52	1 10	16 44	2 17	23 43	0 13	5 39	1 16	24 45	3 32	14 24
W17	21 4	19 39	3 37	25 15	2 13	6 13	2 10	9 50	1 8	3 49	1 11	16 43	2 17	23 43	0 13	5 39	1 16	24 45	3 32	14 23
T 18	21 15	18 53	4 27	25 24	2 15	6 37	2 11	9 34	1 6	3 46	1 11	16 42	2 16	23 43	0 13	5 39	1 16	24 45	3 32	14 22
F 19	21 26	16 57	4 59	25 32	2 17	7 2	2 12	9 18	1 4	3 43	1 11	16 41	2 16	23 43	0 13	5 39	1 16	24 45	3 32	14 20
S 20	21 36	14 6	5 13	25 38	2 18	7 27	2 13	9 3	1 2	3 41	1 11	16 40	2 16	23 43	0 13	5 39	1 16	24 44	3 32	14 19
S 21	21 46	10 37	5 10	25 43	2 19	7 52	2 14	8 47	1 0	3 38	1 12	16 39	2 16	23 43	0 13	5 39	1 16	24 44	3 32	14 18
M22	21 55	6 45	4 50	25 47	2 20	8 16	2 15	8 31	0 58	3 35	1 12	16 38	2 16	23 43	0 13	5 39	1 16	24 44	3 32	14 17
T 23	22 4	2 41	4 18	25 49	2 20	8 41	2 15	8 14	0 57	3 33	1 12	16 37	2 16	23 43	0 13	5 39	1 16	24 44	3 32	14 17
W24	22 13	1s23	3 34	25 49	2 20	9 5	2 16	7 58	0 55	3 30	1 12	16 36	2 16	23 43	0 13	5 39	1 16	24 43	3 32	14 17
T 25	22 21	5 21	2 42	25 48	2 19	9 30	2 16	7 42	0 53	3 28	1 12	16 35	2 15	23 43	0 13	5 39	1 16	24 43	3 32	14 18
F 26	22 28	9 4	1 44	25 46	2 17	9 54	2 17	7 26	0 51	3 26	1 13	16 34	2 15	23 43	0 13	5 39	1 16	24 43	3 32	14 19
S 27	22 36	12 25	0 41	25 42	2 15	10 18	2 17	7 10	0 49	3 23	1 13	16 33	2 15	23 43	0 13	5 38	1 16	24 43	3 32	14 19
S 28	22 43	15 17	0n23	25 36	2 12	10 42	2 17	6 53	0 47	3 21	1 13	16 32	2 15	23 43	0 13	5 38	1 16	24 42	3 32	14 19
M29	22 49	17 31	1 27	25 29	2 8	11 6	2 17	6 37	0 46	3 19	1 13	16 31	2 15	23 43	0 13	5 38	1 16	24 42	3 32	14 19
T 30	22s55	19s 1	2n27	25s21	2s 3	11s30	2n17	6s20	0s44	3n17	1n14	16n30	2s15	23n43	0n13	5s38	1s16	24s42	3s32	14s18

ASTRODIENST EPHEMERIS for the year 1529

geocentric

DECEMBER 1529 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	5 16 27	18°34'39	18°33	8°33	7°29	16°18	24°41	23°R21	28°R 6	18°43	24°38	8°R10	6°29	6°46	19°46	W 1
T 2	5 20 24	19°35'47	0°353	9°42	8°41	16°57	24°46	23°16	28°II 3	18°44	24°49	8°II 3	6°26	6°52	19°46	T 2
F 3	5 24 20	20°36'55	13°23	10°46	9°53	17°35	24°52	23°12	28° 1	18°44	24°51	7°55	6°23	6°59	19°47	F 3
S 4	5 28 17	21°38'04	26° 6	11°46	11° 4	18°14	24°57	23° 8	27°58	18°45	24°53	7°46	6°20	7° 6	19°48	S 4
S 5	5 32 13	22°39'13	9°31	12°40	12°16	18°52	25° 2	23° 4	27°56	18°45	24°54	7°39	6°16	7°12	19°49	S 5
M 6	5 36 10	23°40'22	22° 9	13°29	13°28	19°31	25° 7	23° 0	27°53	18°46	24°56	7°33	6°13	7°19	19°49	M 6
T 7	5 40 6	24°41'31	5°30	14°10	14°40	20°10	25°12	22°57	27°50	18°46	24°58	7°29	6°10	7°25	19°50	T 7
W 8	5 44 3	25°42'40	19° 5	14°43	15°52	20°49	25°16	22°53	27°48	18°47	25° 0	7°27	6° 7	7°32	19°51	W 8
T 9	5 47 59	26°43'50	2°55	15° 8	17° 4	21°27	25°20	22°49	27°45	18°48	25° 1	7°D27	6° 4	7°39	19°52	T 9
F 10	5 51 56	27°44'59	17° 1	15°23	18°17	22° 6	25°25	22°46	27°43	18°48	25° 3	7°28	6° 1	7°45	19°53	F 10
S 11	5 55 53	28°46'09	1°21	15°R27	19°29	22°45	25°29	22°42	27°40	18°49	25° 5	7°R29	5°57	7°52	19°54	S 11
S 12	5 59 49	29°47'18	15°54	15°21	20°41	23°24	25°32	22°39	27°38	18°50	25° 7	7°29	5°54	7°59	19°56	S 12
M13	6 3 46	0°38'27	0°II35	15° 2	21°54	24° 3	25°36	22°35	27°35	18°50	25° 8	7°26	5°51	8° 5	19°57	M13
T14	6 7 42	1°49'37	15°20	14°32	23° 6	24°42	25°40	22°32	27°32	18°51	25°10	7°22	5°48	8°12	19°58	T14
W15	6 11 39	2°50'46	29°59	13°50	24°19	25°21	25°43	22°29	27°30	18°52	25°12	7°15	5°45	8°19	19°59	W15
T16	6 15 35	3°51'56	14°27	12°57	25°32	26° 1	25°46	22°26	27°27	18°53	25°14	7° 6	5°42	8°25	20° 1	T16
F17	6 19 32	4°53'05	28°37	11°54	26°44	26°40	25°49	22°23	27°25	18°54	25°16	6°56	5°38	8°32	20° 2	F17
S18	6 23 29	5°54'15	12°23	10°44	27°57	27°19	25°52	22°20	27°22	18°55	25°17	6°46	5°35	8°39	20° 4	S18
S19	6 27 25	6°55'25	25°43	9°27	29°10	27°58	25°54	22°17	27°20	18°56	25°19	6°37	5°32	8°45	20° 5	S19
M20	6 31 22	7°56'35	8°37	8° 7	0°23	28°37	25°57	22°15	27°17	18°57	25°21	6°31	5°29	8°52	20° 7	M20
T21	6 35 18	8°57'45	21° 9	6°46	1°36	29°17	25°59	22°12	27°15	18°58	25°23	6°27	5°26	8°58	20° 9	T21
W22	6 39 15	9°58'55	3°21	5°27	2°49	29°56	26° 1	22°10	27°12	18°59	25°25	6°25	5°22	9° 5	20°10	W22
T23	6 43 11	11° 0'05	15°19	4°12	4° 2	0°36	26° 3	22° 7	27°10	19° 0	25°27	6°D25	5°19	9°12	20°12	T23
F24	6 47 8	12° 1'15	27° 9	3° 3	5°15	1°15	26° 5	22° 5	27° 7	19° 1	25°29	6°25	5°16	9°18	20°14	F24
S25	6 51 4	13° 2'25	8°55	2° 2	6°29	1°54	26° 6	22° 3	27° 5	19° 2	25°30	6°R26	5°13	9°25	20°16	S25
S26	6 55 1	14° 3'36	20°44	1°10	7°42	2°34	26° 7	22° 1	27° 2	19° 3	25°32	6°25	5°10	9°32	20°18	S26
M27	6 58 58	15° 4'46	2°40	0°28	8°55	3°13	26° 9	21°59	27° 0	19° 4	25°34	6°21	5° 7	9°38	20°20	M27
T28	7 2 54	16° 5'56	14°46	29°55	10° 8	3°53	26° 9	21°57	26°57	19° 6	25°36	6°15	5° 3	9°45	20°22	T28
W29	7 6 51	17° 7'05	27° 6	29°32	11°22	4°32	26°10	21°55	26°55	19° 7	25°38	6° 6	5° 0	9°52	20°24	W29
T30	7 10 47	18° 8'15	9°340	29°19	12°35	5°12	26°11	21°53	26°53	19° 8	25°40	5°55	4°57	9°58	20°26	T30
F31	7 14 44	19° 9'23	22°31	29°D14	13°49	5°52	26°11	21°53	26°53	19° 9	25°42	5°55	4°57	9°58	20°28	F31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	23s 0	19s40	3n21	25s11	1s58	11s53	2n17	6s 4	0s42	3n15	1n14	16n29	2s14	23n42	0n13	5s38	1s16	24s42	3s32	14s16	13s43	13s47	0s36	3n46	
T 2	23 5	19 23	4 7	25 0	1 51	12 16	2 17	5 47	0 41	3 13	1 14	16 28	2 14	23 42	0 13	5 38	1 16	24 41	3 32	14 13	13 42	13 48	0 36	3 46	
F 3	23 10	18 10	4 41	24 47	1 44	12 39	2 16	5 31	0 39	3 11	1 15	16 27	2 14	23 42	0 13	5 37	1 16	24 41	3 32	14 11	13 41	13 50	0 36	3 45	
S 4	23 14	16 2	5 2	24 34	1 36	13 2	2 16	5 14	0 37	3 9	1 15	16 27	2 14	23 42	0 13	5 37	1 16	24 41	3 32	14 8	13 40	13 51	0 36	3 45	
S 5	23 18	13 5	5 9	24 19	1 26	13 25	2 15	4 58	0 36	3 8	1 15	16 26	2 14	23 42	0 13	5 37	1 15	24 40	3 32	14 6	13 39	13 52	0 36	3 45	
M 6	23 21	9 27	4 59	24 4	1 15	13 47	2 14	4 41	0 34	3 6	1 15	16 25	2 13	23 42	0 13	5 37	1 15	24 40	3 32	14 4	13 38	13 54	0 36	3 45	
T 7	23 23	5 17	4 33	23 48	1 4	14 9	2 14	4 24	0 32	3 4	1 16	16 24	2 13	23 42	0 13	5 37	1 15	24 40	3 32	14 2	13 37	13 55	0 36	3 44	
W 8	23 26	0 47	3 51	23 31	0 50	14 31	2 13	4 7	0 31	3 3	1 16	16 24	2 13	23 42	0 14	5 36	1 15	24 40	3 32	14 2	13 36	13 56	0 36	3 44	
T 9	23 27	3n51	2 55	23 14	0 36	14 52	2 12	3 51	0 29	3 1	1 16	16 23	2 13	23 42	0 14	5 36	1 15	24 39	3 32	14 2	13 34	13 58	0 36	3 44	
F 10	23 29	8 22	1 48	22 57	0 20	15 13	2 11	3 34	0 28	3 0	1 16	16 22	2 13	23 42	0 14	5 36	1 15	24 39	3 32	14 2	13 33	13 59	0 35	3 43	
S11	23 30	12 29	0 33	22 40	0 4	15 34	2 10	3 17	0 26	2 58	1 17	16 21	2 12	23 42	0 14	5 35	1 15	24 39	3 32	14 2	13 32	14 0	0 35	3 43	
S12	23 30	15 55	0s45	22 23	0n14	15 54	2 8	3 0	0 25	2 57	1 17	16 21	2 12	23 42	0 14	5 35	1 15	24 38	3 32	14 2	13 31	14 2	0 35	3 43	
M13	23 30	18 21	2 1	22 6	0 33	16 14	2 7	2 43	0 23	2 56	1 17	16 20	2 12	23 42	0 14	5 35	1 15	24 38	3 32	14 2	13 30	14 3	0 35	3 43	
T14	23 29	19 34	3 9	21 51	0 52	16 34	2 6	2 27	0 22	2 55	1 17	16 20	2 12	23 42	0 14	5 34	1 15	24 38	3 32	14 0	13 29	14 4	0 35	3 42	
W15	23 28	19 26	4 4	21 35	1 12	16 53	2 4	2 10	0 20	2 54	1 18	16 19	2 11	23 42	0 14	5 34	1 15	24 37	3 32	13 58	13 28	14 6	0 34	3 42	
T16	23 26	18 2	4 42	21 21	1 31	17 12	2 3	1 53	0 19	2 53	1 18	16 19	2 11	23 42	0 14	5 34	1 15	24 37	3 32	13 55	13 27	14 7	0 34	3 42	
F17	23 24	15 34	5 2	21 8	1 50	17 31	2 1	1 36	0 18	2 52	1 18	16 18	2 11	23 42	0 14	5 33	1 15	24 37	3 32	13 52	13 26	14 8	0 34	3 42	
S18	23 22	12 16	5 4	20 56	2 8	17 49	1 59	1 19	0 16	2 51	1 19	16 17	2 11	23 42	0 14	5 33	1 15	24 37	3 32	13 48	13 25	14 9	0 33	3 41	
S19	23 19	8 27	4 49	20 45	2 25	18 7	1 58	1 2	0 15	2 50	1 19	16 17	2 11	23 42	0 14	5 33	1 15	24 36	3 32	13 46	13 24	14 11	0 33	3 41	
M20	23 16	4 21	4 19	20 35	2 40	18 24	1 56	0 45	0 14	2 49	1 19	16 17	2 10	23 42	0 14	5 32	1 15	24 36	3 32	13 43	13 23	14 12	0 33	3 41	
T21	23 12	0 11	3 38	20 27	2 53	18 41	1 54	0 28	0 12	2 49	1 19	16 16	2 10	23 42	0 14	5 32	1 15	24 36	3 33	13 42	13 22	14 13	0 32	3 40	
W22	23 7	3s54	2 47	20 20	3 3	18 57	1 52	0 11	0 11	2 48	1 20	16 16	2 10	23 42	0 14	5 31	1 15	24 35	3 33	13 42	13 21	14 15	0 32	3 40	
T23	23 2	7 45	1 50	20 15	3 11	19 13	1 50	0n 5	0 10	2 48	1 20	16 15	2 9	23 42	0 14	5 31	1 15	24 35	3 33	13 41	13 20	14 16	0 31	3 40	
F24	22 57	11 15	0 49	20 11	3 17	19 28	1 48	0 22	0 8	2 47	1 20	16 15	2 9	23 42	0 14	5 30	1 15	24 35	3 33	13 42	13 19	14 17	0 31	3 40	
S25	22 51	14 18	0n13	20 9	3 20	19 43	1 45	0 39	0 7	2 47	1 21	16 15	2 9	23 42	0 14	5 30	1 15	24 34	3 33	13 42	13 18	14 18	0 30	3 39	
S26	22 45	16 46	1 16	20 9	3 21	19 57	1 43	0 56	0 6	2 47	1 21	16 15	2 9	23 42	0 14	5 29	1 15	24 34	3 33	13 41	13 16	14 20	0 30	3 39	
M27	22 39	18 32	2 15	20 11	3 19	20 11	1 41	1 13	0 5	2 47	1 21	16 14	2 8	23 41	0 14	5 29	1 15	24 34	3 33	13 40	13 15	14 21	0 29	3 39	
T28	22 31	19 30	3 9	20 14	3 16	20 24	1 39	1 30	0 3	2 47	1 21	16 14	2 8	23 41	0 14	5 28	1 15	24 34	3 33	13 38	13 14	14 22	0 29	3 39	
W29	22 24	19 33	3 55	20 18	3 12	20 37	1 36	1 47	0 2	2 47	1 22	16 14	2 8	23 41	0 14	5 28	1 15	24 33	3 33	13 35	13 13	14 24	0 28	3 38	
T30	22 16	18 39	4 31	20 24	3 6	20 49	1 34	2 3	0 1	2 47	1 22	16 14	2 8	23 41	0 14	5 27	1 15	24 33	3 33	13 32	13 12	14 25	0 27	3 38	
F31	22s 8	16s47	4n53	20s31	2n59	21s 0	1n31	2n20	0n 0	2n47	1n22	16n14	2s 7	23n41	0n14	5s27	1s15	24s33	3s33	13s27	13s11	14s26	0s27	3n38	