



Astrodienst Ephemeris Tables for the year 1579

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 1579

geocentric

JANUARY 1579 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	7 19 11	20°16'46	5°11	18°14	6°31	26°28	10°12	25°28	6°6	9°R48	29°43	15°R34	17°7	23°58	25°29	T 1
F 2	7 23 7	21°17'53	18°1	19°53	7°23	26°59	10°20	25°35	6°9	9°R46	29°44	15°D34	17°4	24°4	25°31	F 2
S 3	7 27 4	22°19'00	0°V37	21°32	8°15	27°30	10°28	25°42	6°13	9°44	29°45	15°H34	17°1	24°11	25°33	S 3
S 4	7 31 0	23°20'05	12°55	23°13	9°6	28°0	10°35	25°49	6°16	9°43	29°45	15°35	16°58	24°18	25°36	S 4
M 5	7 34 57	24°21'10	24°58	24°53	9°56	28°32	10°43	25°56	6°20	9°41	29°46	15°R36	16°55	24°25	25°38	M 5
T 6	7 38 54	25°22'14	6°B52	26°35	10°45	29°3	10°50	26°4	6°23	9°39	29°47	15°35	16°51	24°31	25°40	T 6
W 7	7 42 50	26°23'17	18°43	28°16	11°33	29°34	10°57	26°11	6°27	9°38	29°48	15°32	16°48	24°38	25°42	W 7
T 8	7 46 47	27°24'18	0°II34	29°59	12°20	0°B6	11°4	26°18	6°30	9°36	29°48	15°27	16°45	24°45	25°44	T 8
F 9	7 50 43	28°25'19	12°31	1°42	13°7	0°37	11°11	26°25	6°33	9°35	29°49	15°20	16°42	24°51	25°47	F 9
S 10	7 54 40	29°26'19	24°36	3°25	13°52	1°9	11°18	26°32	6°37	9°33	29°50	15°12	16°39	24°58	25°49	S 10
S 11	7 58 36	0°27'18	6°B53	5°9	14°36	1°41	11°25	26°39	6°40	9°31	29°51	15°3	16°35	25°5	25°51	S 11
M12	8 2 33	1°28'16	19°21	6°54	15°20	2°13	11°31	26°46	6°44	9°30	29°52	14°55	16°32	25°12	25°54	M12
T 13	8 6 29	2°29'13	2°B2	8°39	16°2	2°45	11°38	26°53	6°47	9°28	29°53	14°47	16°29	25°18	25°56	T 13
W14	8 10 26	3°30'08	14°56	10°24	16°43	3°18	11°44	27°0	6°51	9°27	29°53	14°42	16°26	25°25	25°59	W14
T 15	8 14 23	4°31'03	28°2	12°10	17°23	3°50	11°50	27°8	6°54	9°25	29°54	14°38	16°23	25°32	26°1	T 15
F 16	8 18 19	5°31'57	11°B20	13°55	18°1	4°23	11°56	27°15	6°58	9°24	29°55	14°D37	16°20	25°38	26°4	F 16
S 17	8 22 16	6°32'50	24°49	15°42	18°38	4°55	12°1	27°22	7°1	9°22	29°56	14°37	16°16	25°45	26°7	S 17
S 18	8 26 12	7°33'42	8°B28	17°28	19°14	5°28	12°7	27°29	7°5	9°21	29°57	14°39	16°13	25°52	26°9	S 18
M19	8 30 9	8°34'33	22°18	19°14	19°49	6°1	12°12	27°36	7°8	9°19	29°58	14°40	16°10	25°59	26°12	M19
T 20	8 34 5	9°35'23	6°B18	20°59	20°22	6°34	12°18	27°43	7°12	9°18	29°59	14°R41	16°7	26°5	26°15	T 20
W21	8 38 2	10°36'13	20°27	22°45	20°53	7°7	12°23	27°50	7°15	9°17	0°V0	14°41	16°4	26°12	26°17	W21
T 22	8 41 58	11°37'01	4°B43	24°29	21°23	7°40	12°28	27°57	7°19	9°15	0°1	14°39	16°1	26°19	26°20	T 22
F 23	8 45 55	12°37'49	19°5	26°12	21°51	8°14	12°33	28°4	7°22	9°14	0°2	14°36	15°57	26°25	26°23	F 23
S 24	8 49 52	13°38'36	3°B27	27°54	22°18	8°47	12°37	28°11	7°26	9°12	0°3	14°31	15°54	26°32	26°26	S 24
S 25	8 53 48	14°39'21	17°46	29°35	22°43	9°20	12°42	28°18	7°29	9°11	0°4	14°26	15°51	26°39	26°29	S 25
M26	8 57 45	15°40'05	1°B55	1°B13	23°6	9°54	12°46	28°25	7°33	9°10	0°6	14°22	15°48	26°46	26°32	M26
T 27	9 1 41	16°40'48	15°51	2°48	23°27	10°28	12°50	28°31	7°36	9°9	0°7	14°18	15°45	26°52	26°35	T 27
W28	9 5 38	17°41'30	29°28	4°20	23°46	11°2	12°54	28°38	7°40	9°7	0°8	14°16	15°41	26°59	26°38	W28
T 29	9 9 34	18°42'10	12°B46	5°48	24°4	11°35	12°58	28°45	7°43	9°6	0°9	14°D15	15°38	27°6	26°41	T 29
F 30	9 13 31	19°42'48	25°42	7°12	24°19	12°9	13°1	28°52	7°47	9°5	0°10	14°16	15°35	27°12	26°44	F 30
S 31	9 17 27	20°43'25	8°V19	8°B31	24°B32	12°B43	13°B5	28°B59	7°B50	9°B4	0°V11	14°B17	15°B32	27°B19	26°B47	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
T 1	21s58	10s34	0s56	24s8	1s54	8s56	0n14	11n5	0n54	13s49	1n9	21s20	0s14	19s23	0s36	22n17
F 2	21 48	4 33	0n13	23 57	1 57	8 29	0 21	11 17	0 55	13 51	1 9	21 19	0 14	19 22	0 36	22 17
S 3	21 39	1n28	1 20	23 44	1 59	8 3	0 29	11 28	0 56	13 54	1 10	21 17	0 14	19 21	0 36	22 17
S 4	21 28	7 17	2 21	23 29	2 1	7 36	0 37	11 40	0 57	13 56	1 10	21 16	0 15	19 20	0 36	22 18
M 5	21 18	12 43	3 15	23 13	2 3	7 10	0 45	11 52	0 58	13 58	1 10	21 15	0 15	19 19	0 36	22 18
T 6	21 7	17 37	4 0	22 55	2 4	6 44	0 54	12 4	0 58	14 0	1 10	21 14	0 15	19 18	0 36	22 18
W 7	20 56	21 50	4 35	22 35	2 4	6 17	1 2	12 16	0 59	14 2	1 10	21 12	0 15	19 17	0 36	22 18
T 8	20 44	25 9	4 57	22 14	2 5	5 51	1 11	12 28	1 0	14 4	1 10	21 11	0 15	19 17	0 36	22 18
F 9	20 32	27 25	5 7	21 51	2 5	5 25	1 20	12 40	1 1	14 6	1 10	21 10	0 15	19 16	0 36	22 18
S 10	20 19	28 26	5 3	21 27	2 4	5 0	1 29	12 52	1 1	14 8	1 11	21 9	0 15	19 15	0 36	22 18
S 11	20 6	28 4	4 46	21 1	2 3	4 34	1 38	13 4	1 2	14 10	1 11	21 7	0 15	19 14	0 36	22 19
M12	19 53	26 17	4 14	20 33	2 2	4 9	1 48	13 15	1 3	14 12	1 11	21 6	0 15	19 13	0 36	22 19
T 13	19 39	23 9	3 30	20 4	1 59	3 43	1 57	13 27	1 4	14 14	1 11	21 5	0 15	19 12	0 36	22 19
W14	19 25	18 51	2 34	19 33	1 57	3 18	2 7	13 39	1 4	14 16	1 11	21 3	0 15	19 11	0 36	22 19
T 15	19 11	13 34	1 29	19 1	1 54	2 54	2 17	13 51	1 5	14 17	1 11	21 2	0 15	19 10	0 36	22 19
F 16	18 56	7 36	0 88	18 27	1 50	2 29	2 27	14 2	1 6	14 19	1 12	21 1	0 15	19 10	0 36	22 19
S 17	18 41	1 13	0 55	17 51	1 46	2 5	2 37	14 14	1 6	14 21	1 12	20 59	0 15	19 9	0 36	22 19
S 18	18 25	5s18	2 6	17 14	1 41	1 42	2 48	14 26	1 7	14 22	1 12	20 58	0 16	19 8	0 36	22 19
M19	18 10	11 39	3 11	16 36	1 35	1 18	2 59	14 37	1 7	14 24	1 12	20 57	0 16	19 7	0 36	22 20
T 20	17 54	17 30	4 5	15 56	1 29	0 55	3 10	14 49	1 8	14 25	1 12	20 56	0 16	19 6	0 36	22 20
W21	17 37	22 28	4 44	15 15	1 22	0 33	3 21	15 0	1 9	14 26	1 12	20 54	0 16	19 5	0 36	22 20
T 22	17 20	26 10	5 7	14 33	1 14	0 11	3 32	15 11	1 9	14 28	1 13	20 53	0 16	19 4	0 36	22 20
F 23	17 3	28 12	5 11	13 50	1 6	0n11	3 43	15 23	1 10	14 29	1 13	20 52	0 16	19 3	0 36	22 20
S 24	16 46	28 22	4 55	13 7	0 56	0 32	3 54	15 34	1 10	14 30	1 13	20 50	0 16	19 2	0 36	22 20
S 25	16 29	26 37	4 21	12 22	0 46	0 52	4 6	15 45	1 11	14 31	1 13	20 49	0 16	19 2	0 36	22 20
M26	16 11	23 12	3 31	11 37	0 36	1 12	4 18	15 57	1 11	14 33	1 13	20 48	0 16	19 1	0 36	22 20
T 27	15 52	18 30	2 29	10 53	0 24	1 31	4 30	16 8	1 12	14 34	1 13	20 46	0 16	19 0	0 36	22 21
W28	15 34	12 56	1 20	10 8	0 12	1 50	4 41	16 19	1 12	14 35	1 14	20 45	0 16	18 59	0 36	22 21
T 29	15 15	6 55	0 8	9 23	0n1	2 8	4 53	16 30	1 13	14 36	1 14	20 44	0 16	18 58	0 36	22 21
F 30	14 56	0 45	1n3	8 40	0 14	2 25	5 6	16 41	1 13	14 37	1 14	20 42	0 17	18 57	0 36	22 21
S 31	14s37	5n17	2n8	7s57	0n28	2n41	5n18	16n52	1n13	14s37	1n14	20s41	0s17	18s56	0s36	22n21

Julian Day Number = 2297787.5, Delta T = 121.77 sec

Ecliptic obliquity = 23°29'47", Nutation = 0°00'05", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°51'55", Lahiri = 17°58'56" Julian Calendar 1 Jan. 1579 == Greg. Calendar 11 Jan. 1579

ASTRODIENST EPHEMERIS for the year 1579
geocentric

FEBRUARY 1579 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	9 21 24	21 ⁴⁴ 00	20 ⁴³ 39	9 ⁴⁴ 44	24 ⁴³ 43	13 ¹⁸ 18	13 ¹⁸ 18	29 ⁵ 6	7 ⁵⁴ 54	9 ² 2	0 ¹³ 13	14 ¹⁹ 19	15 ²⁹ 29	27 ²⁶ 26	26 ⁵⁰ 50	S 1
M 2	9 25 21	22 ⁴⁴ 33	2 ⁴⁵ 45	10 ⁵⁰ 50	24 ⁵¹ 51	13 ⁵² 52	13 ⁵² 52	29 ¹² 12	7 ⁵⁷ 57	9 ¹ 1	0 ¹⁴ 14	14 ²⁰ 20	15 ²⁶ 26	27 ³³ 33	26 ⁵⁴ 54	M 2
T 3	9 29 17	23 ⁴⁵ 04	14 ⁴² 42	11 ⁴⁹ 49	24 ⁵⁷ 57	14 ²⁶ 26	13 ¹⁴ 14	29 ¹⁹ 19	8 ⁰ 0	9 ⁰ 0	0 ¹⁵ 15	14 ²¹ 21	15 ²² 22	27 ³⁹ 39	26 ⁵⁷ 57	T 3
W 4	9 33 14	24 ⁴⁵ 34	26 ³⁵ 35	12 ⁴⁰ 40	25 ¹ 1	15 ⁰ 0	13 ¹⁶ 16	29 ²⁶ 26	8 ⁴ 4	8 ⁵⁹ 59	0 ¹⁶ 16	14 ²² 22	15 ¹⁹ 19	27 ⁴⁶ 46	27 ⁰ 0	W 4
T 5	9 37 10	25 ⁴⁶ 01	8 ²⁸ 28	13 ²³ 23	25 ³ 3	15 ³⁵ 35	13 ¹⁹ 19	29 ³² 32	8 ⁷ 7	8 ⁵⁸ 58	0 ¹⁷ 17	14 ²¹ 21	15 ¹⁶ 16	27 ⁵³ 53	27 ³ 3	T 5
F 6	9 41 7	26 ⁴⁶ 27	20 ²⁵ 25	13 ⁵⁷ 57	25 ¹ 1	16 ⁹ 9	13 ²¹ 21	29 ³⁹ 39	8 ¹¹ 11	8 ⁵⁷ 57	0 ¹⁹ 19	14 ²⁰ 20	15 ¹³ 13	27 ⁵⁹ 59	27 ⁷ 7	F 6
S 7	9 45 3	27 ⁴⁶ 51	2 ³³ 33	14 ²¹ 21	24 ⁵⁸ 58	16 ⁴⁴ 44	13 ²³ 23	29 ⁴⁶ 46	8 ¹⁴ 14	8 ⁵⁶ 56	0 ²⁰ 20	14 ¹⁸ 18	15 ¹⁰ 10	28 ⁶ 6	27 ¹⁰ 10	S 7
S 8	9 49 0	28 ⁴⁷ 13	14 ⁵³ 53	14 ³⁶ 36	24 ⁵² 52	17 ¹⁸ 18	13 ²⁵ 25	29 ⁵² 52	8 ¹⁷ 17	8 ⁵⁵ 55	0 ²¹ 21	14 ¹⁵ 15	15 ⁷ 7	28 ¹³ 13	27 ¹³ 13	S 8
M 9	9 52 56	29 ⁴⁷ 33	27 ²⁹ 29	14 ⁴⁰ 40	24 ⁴³ 43	17 ⁵³ 53	13 ²⁷ 27	29 ⁵⁹ 59	8 ²¹ 21	8 ⁵⁴ 54	0 ²³ 23	14 ¹³ 13	15 ³ 3	28 ²⁰ 20	27 ¹⁷ 17	M 9
T 10	9 56 53	0 ⁴⁷ 52	10 ²² 22	14 ³⁵ 35	24 ³² 32	18 ²⁸ 28	13 ²⁹ 29	0 ⁵ 5	8 ²⁴ 24	8 ⁵³ 53	0 ²⁴ 24	14 ¹¹ 11	15 ⁰ 0	28 ²⁶ 26	27 ²⁰ 20	T 10
W 11	10 0 50	1 ⁴⁸ 08	23 ³⁴ 34	14 ²⁰ 20	24 ¹⁸ 18	19 ³ 3	13 ³⁰ 30	0 ¹¹ 11	8 ²⁷ 27	8 ⁵² 52	0 ²⁵ 25	14 ¹⁰ 10	14 ⁵⁷ 57	28 ³³ 33	27 ²³ 23	W 11
T 12	10 4 46	2 ⁴⁸ 23	7 ² 2	13 ⁵⁶ 56	24 ² 2	19 ³⁷ 37	13 ³¹ 31	0 ¹⁸ 18	8 ³⁰ 30	8 ⁵¹ 51	0 ²⁶ 26	14 ⁹ 9	14 ⁵⁴ 54	28 ⁴⁰ 40	27 ²⁷ 27	T 12
F 13	10 8 43	3 ⁴⁸ 35	20 ⁴⁶ 46	13 ²³ 23	23 ⁴³ 43	20 ¹² 12	13 ³³ 33	0 ²⁴ 24	8 ³⁴ 34	8 ⁵¹ 51	0 ²⁸ 28	14 ⁹ 9	14 ⁵¹ 51	28 ⁴⁷ 47	27 ³⁰ 30	F 13
S 14	10 12 39	4 ⁴⁸ 46	4 ⁴³ 43	12 ⁴² 42	23 ²² 22	20 ⁴⁷ 47	13 ³³ 33	0 ³¹ 31	8 ³⁷ 37	8 ⁵⁰ 50	0 ²⁹ 29	14 ⁹ 9	14 ⁴⁷ 47	28 ⁵³ 53	27 ³⁴ 34	S 14
S 15	10 16 36	5 ⁴⁸ 56	18 ⁴⁹ 49	11 ⁵⁵ 55	22 ⁵⁹ 59	21 ²² 22	13 ³⁴ 34	0 ³⁷ 37	8 ⁴⁰ 40	8 ⁴⁹ 49	0 ³¹ 31	14 ¹⁰ 10	14 ⁴⁴ 44	29 ⁰ 0	27 ³⁷ 37	S 15
M 16	10 20 32	6 ⁴⁹ 03	3 ¹ 1	11 ² 2	22 ³⁴ 34	21 ⁵⁷ 57	13 ³⁴ 34	0 ⁴³ 43	8 ⁴³ 43	8 ⁴⁸ 48	0 ³² 32	14 ¹¹ 11	14 ⁴¹ 41	29 ⁷ 7	27 ⁴¹ 41	M 16
T 17	10 24 29	7 ⁴⁹ 10	17 ¹⁶ 16	10 ⁵ 5	22 ⁶ 6	22 ³² 32	13 ³⁵ 35	0 ⁴⁹ 49	8 ⁴⁷ 47	8 ⁴⁷ 47	0 ³³ 33	14 ¹² 12	14 ³⁸ 38	29 ¹³ 13	27 ⁴⁴ 44	T 17
W 18	10 28 25	8 ⁴⁹ 14	1 ³⁰ 30	9 ⁵ 5	21 ³⁷ 37	23 ⁸ 8	13 ³⁵ 35	0 ⁵⁵ 55	8 ⁵⁰ 50	8 ⁴⁷ 47	0 ³⁵ 35	14 ¹² 12	14 ³⁵ 35	29 ²⁰ 20	27 ⁴⁸ 48	W 18
T 19	10 32 22	9 ⁴⁹ 17	15 ⁴² 42	8 ⁴ 4	21 ⁵ 5	23 ⁴³ 43	13 ³⁵ 35	1 ⁰ 0	8 ⁵³ 53	8 ⁴⁶ 46	0 ³⁶ 36	14 ¹² 12	14 ³² 32	29 ²⁷ 27	27 ⁵¹ 51	T 19
F 20	10 36 19	10 ⁴⁹ 19	29 ⁴⁹ 49	7 ³ 3	20 ³³ 33	24 ¹⁸ 18	13 ³⁵ 35	1 ⁷ 7	8 ⁵⁶ 56	8 ⁴⁶ 46	0 ³⁷ 37	14 ¹² 12	14 ²⁸ 28	29 ³⁴ 34	27 ⁵⁵ 55	F 20
S 21	10 40 15	11 ⁴⁹ 19	13 ⁴⁸ 48	6 ³ 3	19 ⁵⁹ 59	24 ⁵³ 53	13 ³⁴ 34	1 ¹³ 13	8 ⁵⁹ 59	8 ⁴⁵ 45	0 ³⁹ 39	14 ¹¹ 11	14 ²⁵ 25	29 ⁴⁰ 40	27 ⁵⁸ 58	S 21
S 22	10 44 12	12 ⁴⁹ 17	27 ³⁹ 39	5 ⁷ 7	19 ²³ 23	25 ²⁹ 29	13 ³³ 33	1 ¹⁹ 19	9 ² 2	8 ⁴⁴ 44	0 ⁴⁰ 40	14 ¹¹ 11	14 ²² 22	29 ⁴⁷ 47	28 ² 2	S 22
M 23	10 48 8	13 ⁴⁹ 14	11 ³⁹ 39	4 ¹⁴ 14	18 ⁴⁷ 47	26 ⁴ 4	13 ³³ 33	1 ²⁵ 25	9 ⁵ 5	8 ⁴⁴ 44	0 ⁴² 42	14 ¹¹ 11	14 ¹⁹ 19	29 ⁵⁴ 54	28 ⁶ 6	M 23
T 24	10 52 5	14 ⁴⁹ 09	24 ⁴⁶ 46	3 ²⁵ 25	18 ¹⁰ 10	26 ⁴⁰ 40	13 ³² 32	1 ³¹ 31	9 ⁸ 8	8 ⁴³ 43	0 ⁴³ 43	14 ¹¹ 11	14 ¹⁶ 16	0 ¹¹ 11	28 ⁹ 9	T 24
W 25	10 56 1	15 ⁴⁹ 01	8 ⁰ 0	2 ⁴² 42	17 ³² 32	27 ¹⁵ 15	13 ³⁰ 30	1 ³⁷ 37	9 ¹¹ 11	8 ⁴³ 43	0 ⁴⁵ 45	14 ¹¹ 11	14 ¹³ 13	0 ⁷ 7	28 ¹³ 13	W 25
T 26	10 59 58	16 ⁴⁸ 52	20 ⁵⁹ 59	2 ⁵ 5	16 ⁵⁵ 55	27 ⁵¹ 51	13 ²⁹ 29	1 ⁴³ 43	9 ¹⁴ 14	8 ⁴² 42	0 ⁴⁶ 46	14 ¹¹ 11	14 ⁹ 9	0 ¹⁴ 14	28 ¹⁶ 16	T 26
F 27	11 3 54	17 ⁴⁸ 41	3 ⁴³ 43	1 ³⁴ 34	16 ¹⁷ 17	28 ²⁶ 26	13 ²⁷ 27	1 ⁴⁸ 48	9 ¹⁷ 17	8 ⁴² 42	0 ⁴⁷ 47	14 ¹¹ 11	14 ⁶ 6	0 ²¹ 21	28 ²⁰ 20	F 27
S 28	11 7 51	18 ⁴⁸ 28	16 ⁴³ 43	1 ³⁴ 34	15 ⁴⁰ 40	29 ² 2	13 ²⁶ 26	1 ⁵⁴ 54	9 ²⁰ 20	8 ⁴² 42	0 ⁴⁹ 49	14 ¹¹ 11	14 ³ 3	0 ²² 22	28 ²⁴ 24	S 28

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	14s18	10n58	3n 7	7s16	0n43	2n56	5n30	17n 2	1n14	14s38	1n14	20s40	0s17	18s55	0s36	22n21
M 2	13 58	16 9	3 56	6 37	0 58	3 11	5 42	17 13	1 14	14 39	1 15	20 38	0 17	18 55	0 36	22 21
T 3	13 38	20 39	4 34	6 1	1 13	3 24	5 54	17 24	1 15	14 40	1 15	20 37	0 17	18 54	0 36	22 21
W 4	13 18	24 18	5 0	5 27	1 29	3 37	6 6	17 34	1 15	14 40	1 15	20 36	0 17	18 53	0 36	22 21
T 5	12 58	26 56	5 14	4 56	1 45	3 48	6 18	17 45	1 15	14 41	1 15	20 34	0 17	18 52	0 36	22 22
F 6	12 37	28 22	5 13	4 29	2 0	3 59	6 30	17 55	1 16	14 41	1 15	20 33	0 17	18 51	0 36	22 22
S 7	12 16	28 28	4 59	4 6	2 15	4 8	6 41	18 6	1 16	14 42	1 15	20 32	0 17	18 50	0 36	22 22
S 8	11 55	27 10	4 32	3 47	2 30	4 16	6 53	18 16	1 17	14 42	1 16	20 30	0 17	18 49	0 36	22 22
M 9	11 34	24 28	3 50	3 32	2 44	4 23	7 4	18 26	1 17	14 43	1 16	20 29	0 17	18 48	0 36	22 22
T 10	11 13	20 30	2 56	3 22	2 57	4 28	7 14	18 36	1 17	14 43	1 16	20 28	0 17	18 48	0 36	22 22
W 11	10 52	15 27	1 51	3 17	3 8	4 32	7 25	18 46	1 18	14 43	1 16	20 27	0 18	18 47	0 36	22 22
T 12	10 30	9 33	0 39	3 17	3 19	4 35	7 35	18 56	1 18	14 43	1 16	20 25	0 18	18 46	0 36	22 22
F 13	10 8	3 6	0s37	3 21	3 28	4 37	7 45	19 6	1 18	14 44	1 16	20 24	0 18	18 45	0 36	22 22
S 14	9 46	3s35	1 51	3 30	3 35	4 37	7 54	19 15	1 18	14 44	1 17	20 23	0 18	18 44	0 36	22 22
S 15	9 24	10 10	3 0	3 43	3 40	4 35	8 2	19 25	1 19	14 44	1 17	20 21	0 18	18 43	0 37	22 22
M 16	9 2	16 17	3 59	4 1	3 43	4 33	8 10	19 34	1 19	14 44	1 17	20 20	0 18	18 43	0 37	22 23
T 17	8 39	21 32	4 43	4 21	3 43	4 28	8 17	19 44	1 19	14 44	1 17	20 19	0 18	18 42	0 37	22 23
W 18	8 17	25 33	5 9	4 45	3 42	4 23	8 24	19 53	1 19	14 43	1 17	20 18	0 18	18 41	0 37	22 23
T 19	7 54	27 58	5 17	5 11	3 39	4 16	8 30	20 2	1 20	14 43	1 18	20 16	0 18	18 40	0 37	22 23
F 20	7 32	28 35	5 5	5 39	3 33	4 8	8 34	20 11	1 20	14 43	1 18	20 15	0 18	18 39	0 37	22 23
S 21	7 9	27 21	4 36	6 7	3 26	3 58	8 38	20 20	1 20	14 43	1 18	20 14	0 18	18 39	0 37	22 23
S 22	6 46	24 27	3 50	6 36	3 17	3 47	8 42	20 29	1 20	14 42	1 18	20 13	0 19	18 38	0 37	22 23
M 23	6 23	20 11	2 52	7 5	3 7	3 35	8 44	20 37	1 21	14 42	1 18	20 12	0 19	18 37	0 37	22 23
T 24	6 0	14 57	1 46	7 33	2 55	3 22	8 45	20 46	1 21	14 41	1 18	20 10	0 19	18 36	0 37	22 23
W 25	5 36	9 7	0 34	8 1	2 42	3 8	8 45	20 54	1 21	14 41	1 19	20 9	0 19	18 35	0 37	22 23
T 26	5 13	3 0	0n38	8 26	2 29	2 53	8 45	21 3	1 21	14 40	1 19	20 8	0 19	18 35	0 37	22 23
F 27	4 50	3n 6	1 46	8 51	2 15	2 36	8 43	21 11	1 21	14 40	1 19	20 7	0 19	18 34	0 37	22 23
S 28	4s26	8n59	2n48	9s13	2n 0	2n20	8n40	21n19	1n22	14s39	1n19	20s 6	0s19	18s33	0s37	22n23

Julian Day Number = 2297

ASTRODIENST EPHEMERIS for the year 1579

geocentric

MARCH 1579 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	11 11 48	19°48'12	28°30	0°R50	15°R 3	29°37	13°R24	1°59	9°23	8°R41	0°50	14°R10	14° 0	0°34	28°27	S 1
M 2	11 15 44	20°47'55	10°35	0°38	14°27	0°13	13°21	2° 5	9°26	8°41	0°52	14° 9	13°57	0°41	28°31	M 2
T 3	11 19 41	21°47'35	22°32	0°D32	13°52	0°49	13°19	2°10	9°28	8°41	0°53	14° 8	13°53	0°47	28°35	T 3
W 4	11 23 37	22°47'13	4°25	0°32	13°18	1°25	13°17	2°16	9°31	8°41	0°55	14° 7	13°50	0°54	28°38	W 4
T 5	11 27 34	23°46'49	16°18	0°39	12°46	2° 0	13°14	2°21	9°34	8°40	0°56	14° 7	13°47	1° 1	28°42	T 5
F 6	11 31 30	24°46'23	28°15	0°50	12°15	2°36	13°11	2°26	9°37	8°40	0°58	14°D 7	13°44	1° 8	28°46	F 6
S 7	11 35 27	25°45'54	10°21	1° 7	11°46	3°12	13° 8	2°32	9°39	8°40	0°59	14° 7	13°41	1°14	28°49	S 7
S 8	11 39 23	26°45'23	22°40	1°29	11°19	3°48	13° 5	2°37	9°42	8°40	1° 1	14° 8	13°38	1°21	28°53	S 8
M 9	11 43 20	27°44'50	5°18	1°56	10°54	4°24	13° 1	2°42	9°45	8°40	1° 2	14° 9	13°34	1°28	28°57	M 9
T 10	11 47 17	28°44'14	18°15	2°27	10°31	5° 0	12°58	2°47	9°47	8°D40	1° 4	14°10	13°31	1°35	29° 1	T 10
W11	11 51 13	29°43'36	1°36	3° 3	10°10	5°36	12°54	2°52	9°50	8°40	1° 5	14°11	13°28	1°41	29° 4	W11
T 12	11 55 10	0°42'56	15°20	3°42	9°52	6°12	12°50	2°57	9°52	8°40	1° 7	14°R12	13°25	1°48	29° 8	T 12
F 13	11 59 6	1°42'13	29°25	4°26	9°36	6°48	12°46	3° 1	9°55	8°40	1° 8	14°11	13°22	1°55	29°12	F 13
S 14	12 3 3	2°41'29	13°48	5°12	9°23	7°24	12°42	3° 6	9°57	8°40	1° 9	14°10	13°19	2° 1	29°15	S 14
S 15	12 6 59	3°40'42	28°24	6° 3	9°12	8° 0	12°37	3°11	10° 0	8°40	1°11	14° 7	13°15	2° 8	29°19	S 15
M16	12 10 56	4°39'54	13°4	6°56	9° 3	8°36	12°33	3°15	10° 2	8°40	1°12	14° 5	13°12	2°15	29°23	M16
T 17	12 14 52	5°39'04	27°44	7°53	8°57	9°12	12°28	3°20	10° 4	8°41	1°14	14° 2	13° 9	2°22	29°26	T 17
W18	12 18 49	6°38'12	12°16	8°52	8°54	9°48	12°23	3°24	10° 7	8°41	1°15	14° 0	13° 6	2°28	29°30	W18
T 19	12 22 45	7°37'18	26°36	9°54	8°D53	10°24	12°18	3°29	10° 9	8°41	1°17	13°58	13° 3	2°35	29°34	T 19
F 20	12 26 42	8°36'23	10°34	10°59	8°54	11° 0	12°13	3°33	10°11	8°41	1°18	13°D58	12°59	2°42	29°37	F 20
S 21	12 30 39	9°35'26	24°30	12° 6	8°58	11°36	12° 8	3°37	10°13	8°42	1°20	13°58	12°56	2°48	29°41	S 21
S 22	12 34 35	10°34'27	8°3	13°16	9° 4	12°13	12° 2	3°41	10°15	8°42	1°21	14° 0	12°53	2°55	29°45	S 22
M23	12 38 32	11°33'26	21°21	14°27	9°12	12°49	11°57	3°45	10°18	8°42	1°23	14° 1	12°50	3° 2	29°48	M23
T 24	12 42 28	12°32'24	4°24	15°41	9°23	13°25	11°51	3°49	10°20	8°43	1°24	14° 3	12°47	3° 9	29°52	T 24
W25	12 46 25	13°31'19	17°14	16°57	9°35	14° 1	11°45	3°53	10°22	8°43	1°26	14°R 3	12°44	3°15	29°56	W25
T 26	12 50 21	14°30'13	29°53	18°15	9°50	14°38	11°39	3°57	10°24	8°44	1°27	14° 2	12°40	3°22	29°59	T 26
F 27	12 54 18	15°29'04	12°20	19°35	10° 6	15°14	11°33	4° 1	10°26	8°44	1°29	13°59	12°37	3°29	0°3	F 27
S 28	12 58 14	16°27'54	24°38	20°57	10°25	15°50	11°27	4° 4	10°27	8°45	1°30	13°55	12°34	3°35	0° 6	S 28
S 29	13 2 11	17°26'42	6°46	22°21	10°45	16°27	11°21	4° 8	10°29	8°46	1°31	13°49	12°31	3°42	0°10	S 29
M30	13 6 8	18°25'27	18°47	23°47	11° 8	17° 3	11°14	4°11	10°31	8°46	1°33	13°43	12°28	3°49	0°13	M30
T 31	13 10 4	19°24'11	0°42	25°14	11°32	17°39	11°18	4°15	10°33	8°47	1°34	13°37	12°24	3°56	0°17	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	4s 3	14n25	3n42	9s33	1n46	2n 2	8n37	21n27	1n22	14s38	1n19	20s 5	0s19	18s32	0s37	22n23
M 2	3 39	19 12	4 24	9 51	1 31	1 44	8 32	21 35	1 22	14 37	1 19	20 3	0 19	18 32	0 37	22 24
T 3	3 16	23 11	4 54	10 7	1 16	1 26	8 27	21 42	1 22	14 37	1 20	20 2	0 19	18 31	0 37	22 24
W 4	2 52	26 11	5 12	10 21	1 2	1 8	8 20	21 50	1 22	14 36	1 20	20 1	0 19	18 30	0 37	22 24
T 5	2 29	28 2	5 16	10 32	0 47	0 49	8 13	21 57	1 22	14 35	1 20	20 0	0 20	18 30	0 37	22 24
F 6	2 5	28 36	5 7	10 41	0 33	0 30	8 5	22 5	1 23	14 34	1 20	19 59	0 20	18 29	0 37	22 24
S 7	1 41	27 49	4 44	10 48	0 20	0 11	7 57	22 12	1 23	14 33	1 20	19 58	0 20	18 28	0 37	22 24
S 8	1 18	25 39	4 8	10 52	0 7	0s 8	7 48	22 19	1 23	14 32	1 20	19 57	0 20	18 27	0 37	22 24
M 9	0 54	22 12	3 19	10 55	0s 6	0 26	7 38	22 26	1 23	14 30	1 20	19 56	0 20	18 27	0 37	22 24
T 10	0 30	17 35	2 18	10 55	0 19	0 44	7 28	22 33	1 23	14 29	1 21	19 55	0 20	18 26	0 37	22 24
W11	0 7	12 0	1 9	10 53	0 30	1 2	7 17	22 39	1 23	14 28	1 21	19 54	0 20	18 25	0 37	22 24
T 12	0n17	5 42	0s 6	10 49	0 42	1 19	7 6	22 46	1 23	14 27	1 21	19 53	0 20	18 25	0 37	22 24
F 13	0 41	1s 2	1 23	10 43	0 52	1 35	6 54	22 52	1 23	14 25	1 21	19 52	0 20	18 24	0 37	22 24
S 14	1 4	7 51	2 36	10 36	1 3	1 51	6 42	22 58	1 23	14 24	1 21	19 51	0 20	18 24	0 37	22 24
S 15	1 28	14 21	3 40	10 26	1 12	2 7	6 30	23 4	1 24	14 22	1 21	19 50	0 21	18 23	0 37	22 24
M16	1 51	20 5	4 30	10 15	1 22	2 21	6 18	23 10	1 24	14 21	1 21	19 49	0 21	18 22	0 37	22 24
T 17	2 15	24 36	5 2	10 2	1 30	2 35	6 6	23 16	1 24	14 19	1 21	19 48	0 21	18 22	0 37	22 24
W18	2 38	27 30	5 14	9 47	1 38	2 48	5 53	23 21	1 24	14 18	1 22	19 47	0 21	18 21	0 37	22 24
T 19	3 2	28 34	5 7	9 30	1 46	3 0	5 40	23 27	1 24	14 16	1 22	19 46	0 21	18 21	0 37	22 24
F 20	3 25	27 44	4 41	9 12	1 53	3 11	5 28	23 32	1 24	14 15	1 22	19 45	0 21	18 20	0 37	22 24
S 21	3 49	25 12	3 59	8 52	1 59	3 21	5 15	23 37	1 24	14 13	1 22	19 44	0 21	18 19	0 37	22 24
S 22	4 12	21 16	3 5	8 31	2 5	3 31	5 2	23 42	1 24	14 11	1 22	19 43	0 21	18 19	0 37	22 24
M23	4 35	16 20	2 1	8 8	2 11	3 39	4 50	23 47	1 24	14 9	1 22	19 42	0 21	18 18	0 37	22 24
T 24	4 58	10 44	0 53	7 44	2 15	3 47	4 37	23 51	1 24	14 8	1 22	19 42	0 22	18 18	0 37	22 24
W25	5 21	4 47	0n17	7 18	2 20	3 54	4 25	23 56	1 24	14 6	1 22	19 41	0 22	18 17	0 37	22 24
T 26	5 44	1n15	1 26	6 51	2 24	4 0	4 13	24 0	1 24	14 4	1 22	19 40	0 22	18 17	0 38	22 24
F 27	6 7	7 10	2 28	6 23	2 27	4 5	4 1	24 4	1 24	14 2	1 22	19 39	0 22	18 16	0 38	22 24
S 28	6 29	12 43	3 23	5 53	2 30	4 9	3 49	24 8	1 24	14 0	1 22	19 38	0 22	18 16	0 38	22 24
S 29	6 52	17 43	4 8	5 22	2 32	4 12	3 37	24 12	1 24	13 58	1 22	19 38	0 22	18 15	0 38	22 24
M30	7 14	21 58	4 42	4 49	2 33	4 15	3 25	24 16	1 24	13 56	1 22	19 37	0 22	18 15	0 38	22 24
T 31	7n37	25n16	5n 2	4s16	2s35	4s17	3n13	24n19	1n24	13s54	1n23	19s36	0s22	18s14	0s38	22n24

Julian Day Number = 2297846.5, Delta T = 121.49 sec

Ecliptic obliquity = 23°29'48", Nutation = 0°00'05", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°52'03", Lahiri = 17°59'04" Julian Calendar 1 March 1579 == Greg. Calendar 11 March 1579

ASTRODIENST EPHEMERIS for the year 1579

geocentric

APRIL 1579 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	13 14 1	20°22'52	12°35	26°43	11°57	18°16	11°R 1	4°18	10°35	8°48	1°36	13°R31	12°21	4°2	0°21	W 1	
T 2	13 17 57	21°21'32	24°26	28°14	12°24	18°52	10°M.54	4°21	10°36	8°48	1°37	13°R26	12°18	4°9	0°24	T 2	
F 3	13 21 54	22°20'09	6°22	29°47	12°53	19°29	10°47	4°24	10°38	8°49	1°38	13°23	12°15	4°16	0°28	F 3	
S 4	13 25 50	23°18'44	18°26	1°Y21	13°24	20°5	10°40	4°27	10°40	8°50	1°40	13°D22	12°12	4°23	0°31	S 4	
S 5	13 29 47	24°17'16	0°42	2°57	13°55	20°42	10°33	4°30	10°41	8°51	1°41	13°22	12°9	4°29	0°34	S 5	
M 6	13 33 43	25°15'47	13°15	4°35	14°28	21°18	10°26	4°33	10°43	8°52	1°43	13°23	12°5	4°36	0°38	M 6	
T 7	13 37 40	26°14'15	26°10	6°15	15°3	21°55	10°19	4°36	10°44	8°52	1°44	13°24	12°2	4°43	0°41	T 7	
W 8	13 41 37	27°12'41	9°11	7°56	15°39	22°31	10°12	4°39	10°45	8°53	1°45	13°R25	11°59	4°49	0°45	W 8	
T 9	13 45 33	28°11'05	23°19	9°39	16°15	23°8	10°5	4°41	10°47	8°54	1°47	13°25	11°56	4°56	0°48	T 9	
F 10	13 49 30	29°9'27	7°33	11°23	16°54	23°44	9°57	4°44	10°48	8°55	1°48	13°23	11°53	5°3	0°51	F 10	
S 11	13 53 26	0°8'747	22°12	13°9	17°33	24°21	9°50	4°46	10°49	8°56	1°49	13°18	11°50	5°10	0°55	S 11	
S 12	13 57 23	1°6'05	7°M.9	14°57	18°13	24°57	9°43	4°49	10°51	8°57	1°51	13°12	11°46	5°16	0°58	S 12	
M13	14 1 19	2°4'21	22°14	16°47	18°55	25°34	9°35	4°51	10°52	8°58	1°52	13°5	11°43	5°23	1°1	M13	
T 14	14 5 16	3°2'36	7°18	18°39	19°37	26°10	9°27	4°53	10°53	9°0	1°53	12°58	11°40	5°30	1°5	T 14	
W15	14 9 12	4°0'49	22°13	20°32	20°21	26°47	9°20	4°55	10°54	9°1	1°55	12°51	11°37	5°36	1°8	W15	
T 16	14 13 9	4°59'01	6°349	22°27	21°5	27°24	9°12	4°57	10°55	9°2	1°56	12°46	11°34	5°43	1°11	T 16	
F 17	14 17 6	5°57'11	21°4	24°23	21°50	28°0	9°5	4°59	10°56	9°3	1°57	12°43	11°30	5°50	1°14	F 17	
S 18	14 21 2	6°55'19	4°54	26°22	22°36	28°37	8°57	5°1	10°57	9°4	1°58	12°D42	11°27	5°57	1°17	S 18	
S 19	14 24 59	7°53'27	18°21	28°22	23°23	29°13	8°49	5°3	10°58	9°5	2°0	12°42	11°24	6°3	1°21	S 19	
M20	14 28 55	8°51'32	1°K28	0°B24	24°11	29°50	8°42	5°4	10°59	9°7	2°1	12°43	11°21	6°10	1°24	M20	
T 21	14 32 52	9°49'37	14°16	2°27	25°0	0°B27	8°34	5°6	10°59	9°8	2°2	12°R44	11°18	6°17	1°27	T 21	
W22	14 36 48	10°47'39	26°50	4°32	25°49	1°3	8°27	5°7	11°0	9°9	2°3	12°43	11°15	6°24	1°30	W22	
T 23	14 40 45	11°45'41	9°Y12	6°38	26°39	1°40	8°19	5°8	11°1	9°11	2°5	12°39	11°11	6°30	1°33	T 23	
F 24	14 44 41	12°43'41	21°25	8°45	27°30	2°17	8°11	5°10	11°1	9°12	2°6	12°34	11°8	6°37	1°36	F 24	
S 25	14 48 38	13°41'39	3°B31	10°54	28°21	2°54	8°4	5°11	11°2	9°13	2°7	12°25	11°5	6°44	1°39	S 25	
S 26	14 52 35	14°39'36	15°30	13°3	29°13	3°30	7°56	5°12	11°3	9°15	2°8	12°15	11°2	6°50	1°42	S 26	
M27	14 56 31	15°37'32	27°26	15°13	0°Y6	4°7	7°49	5°13	11°3	9°16	2°9	12°3	10°59	6°57	1°45	M27	
T 28	15 0 28	16°35'26	9°II19	17°24	0°59	4°44	7°41	5°13	11°4	9°18	2°10	11°51	10°56	7°4	1°47	T 28	
W29	15 4 24	17°33'18	21°10	19°35	1°53	5°21	7°34	5°14	11°4	9°19	2°11	11°39	10°52	7°11	1°50	W29	
T 30	15 8 21	18°31'09	3°B3	21°46	2°Y47	5°B57	7°M26	5°15	11°4	9°21	2°Y13	11°B30	10°B49	7°II17	1°Y53	T 30	

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	7n59	27n29	5n10	3s41	2s35	4s17	3n 2	24n23	1n24	13s52	1n23	19s36	0s22	18s14	0s38	22n24	0s48	14s22	16s23	6s30	6s56	26n 0	2n52	2n59	
T 2	8 21	28 27	5 5	3 5	2 35	4 17	2 51	24 26	1 24	13 49	1 23	19 35	0 23	18 13	0 38	22 24	0 48	14 22	16 23	6 32	6 58	26 2	2 54	2 59	
F 3	8 43	28 6	4 46	2 27	2 35	4 17	2 40	24 29	1 24	13 47	1 23	19 34	0 23	18 13	0 38	22 24	0 48	14 21	16 24	6 33	6 59	26 3	2 55	2 59	
S 4	9 5	26 25	4 14	1 49	2 34	4 15	2 29	24 31	1 24	13 45	1 23	19 34	0 23	18 13	0 38	22 24	0 48	14 21	16 24	6 33	7 0	26 4	2 56	2 59	
S 5	9 26	23 29	3 31	1 9	2 32	4 12	2 19	24 34	1 24	13 43	1 23	19 33	0 23	18 12	0 38	22 24	0 48	14 20	16 24	6 33	7 1	26 6	2 58	2 59	
M 6	9 48	19 22	2 36	0 28	2 30	4 9	2 8	24 37	1 24	13 41	1 23	19 32	0 23	18 12	0 38	22 24	0 48	14 20	16 24	6 33	7 3	26 7	2 59	2 59	
T 7	10 9	14 16	1 32	0n13	2 28	4 5	1 58	24 39	1 24	13 38	1 23	19 32	0 23	18 12	0 38	22 24	0 48	14 19	16 24	6 32	7 4	26 9	3 0	2 59	
W 8	10 30	8 21	0 21	0 56	2 25	4 1	1 48	24 41	1 24	13 36	1 23	19 31	0 23	18 11	0 38	22 24	0 48	14 19	16 24	6 32	7 5	26 10	3 2	2 59	
T 9	10 51	1 51	0s53	1 40	2 21	3 56	1 38	24 43	1 24	13 34	1 23	19 31	0 23	18 11	0 38	22 24	0 48	14 19	16 24	6 32	7 6	26 11	3 3	2 59	
F 10	11 12	4s57	2 7	2 25	2 17	3 49	1 29	24 45	1 24	13 32	1 23	19 30	0 23	18 11	0 38	22 24	0 48	14 18	16 25	6 33	7 7	26 13	3 5	2 59	
S 11	11 33	11 39	3 14	3 10	2 13	3 43	1 19	24 46	1 24	13 29	1 23	19 30	0 24	18 10	0 38	22 24	0 48	14 18	16 25	6 35	7 9	26 14	3 6	2 59	
S 12	11 53	17 50	4 9	3 57	2 7	3 35	1 10	24 48	1 24	13 27	1 23	19 29	0 24	18 10	0 38	22 24	0 48	14 17	16 25	6 37	7 10	26 15	3 7	2 59	
M13	12 13	22 59	4 47	4 44	2 2	3 27	1 1	24 49	1 24	13 25	1 23	19 29	0 24	18 10	0 38	22 24	0 48	14 17	16 25	6 40	7 11	26 17	3 9	2 59	
T 14	12 33	26 36	5 5	5 32	1 56	3 19	0 53	24 50	1 24	13 22	1 23	19 29	0 24	18 9	0 38	22 24	0 48	14 17	16 25	6 43	7 12	26 18	3 10	2 59	
W15	12 53	28 18	5 3	6 21	1 49	3 9	0 44	24 51	1 24	13 20	1 23	19 28	0 24	18 9	0 38	22 24	0 48	14 16	16 25	6 45	7 13	26 19	3 11	2 59	
T 16	13 13	27 59	4 40	7 11	1 42	2 59	0 36	24 52	1 24	13 18	1 23	19 28	0 24	18 9	0 38	22 24	0 48	14 16	16 26	6 47	7 15	26 21	3 12	2 59	
F 17	13 32	25 49	4 1	8 1	1 34	2 49	0 28	24 53	1 24	13 15	1 23	19 27	0 24	18 9	0 38	22 24	0 48	14 16	16 26	6 48	7 16	26 22	3 14	2 59	
S 18	13 51	22 8	3 9	8 51	1 26	2 38	0 20	24 53	1 24	13 13	1 22	19 27	0 24	18 8	0 38	22 24	0 48	14 15	16 26	6 49	7 17	26 23	3 15	2 59	
S 19	14 10	17 22	2 7	9 42	1 18	2 26	0 12	24 53	1 24	13 10	1 22	19 27	0 25	18 8	0 38	22 24	0 47	14 15	16 26	6 48	7 18	26 25	3 16	2 59	
M20	14 29	11 55	1 0	10 34	1 9	2 14	0 5	24 53	1 24	13 8	1 22	19 27	0 25	18 8	0 38	22 24	0 47	14 15	16 27	6 48	7 20	26 26	3 18	2 59	
T 21	14 48	6 5	0n 8	11 25	1 0	2 2	0s 2	24 53	1 23	13 6	1 22	19 26	0 25	18 8	0 38	22 24	0 47	14 15	16 27	6 48	7 21	26 27	3 19	2 59	
W22	15 6	0 7	1 15	12 16	0 50	1 49	0 9	24 53	1 23	13 3	1 22	19 26	0 25	18 8	0 38	22 23	0 47	14 14	16 27	6 48	7 22	26 29	3 20	2 59	
T 23	15 24	5n45	2 17	13 7	0 40	1 35	0 16	24 52	1 23	13 1	1 22	19 26	0 25	18 7	0 39	22 23	0 47	14 14	16 27	6 50	7 23	26 30	3 21	2 59	
F 24	15 42	11 19	3 11	13 58	0 30	1 21	0 23	24 52	1 23	12 58	1 22	19 26	0 25	18 7	0 39	22 23	0 47	14 14	16 27	6 52	7 24	26 31	3 23	2 59	
S 25	15 59	16 25	3 56	14 49	0 20	1 6	0 29	24 51	1 23	12 56	1 22	19 26	0 25	18 7	0 39	22 23	0 47	14 14	16 28	6 55	7 26	26 32	3 24	2 59	
S 26	16 16	20 50	4 31	15 38	0 10	0 51	0 36	24 50	1 23	12 54	1 22	19 25	0 25	18 7	0 39	22 23	0 47	14 13	16 28	6 59	7 27	26 34	3 25	2 59	
M27	16 33	24 23	4 53	16 27	0n 1	0 36	0 42	24 49	1 23	12 51	1 22	19 25	0 25	18 7	0 39	22 23	0 47	14 13	16 28	7 3	7 28	26 35	3 26	2 59	
T 28	16 50	26 52	5 2	17 15	0 12	0 20	0 48	24 48	1 23	12 49	1 22	19 25	0 26	18 7	0 39	22 23	0 47	14 13	16 28	7 8	7 29	26 36	3 27	2 59	
W29	17 7	28 10	4 58	18 1	0 22	0 4	0 53	24 46	1 23	12 47	1 22	19 25	0 26	18 7	0 39	22 23	0 47	14 13	16 29	7 12	7 30	26 37	3 29	2 59	
T 30	17n23	28n 9	4n41	18n46	0n32	0n12	0s59	24n44	1n23	12s45	1n21	19s25	0s26	18s 7	0s39	22n23	0s47	14s13	16s29	7s16	7s32	26n38	3n30	3n	

ASTRODIENST EPHEMERIS for the year 1579

geocentric

MAY 1579 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	15 12 17	19°28'58	14°59	23°57	3°41	6°34	7°R19	5°15	11°5	9°22	2°14	11°R22	10°46	7°24	1°56	F 1
S 2	15 16 14	20°26'45	27° 2	26° 7	4°37	7°11	7°M11	5°16	11° 5	9°24	2°15	11°K17	10°43	7°31	1°58	S 2
S 3	15 20 10	21°24'31	9°16	28°16	5°32	7°48	7° 4	5°16	11° 5	9°26	2°16	11°15	10°40	7°38	2° 1	S 3
M 4	15 24 7	22°22'15	21°46	0°12	6°29	8°24	6°57	5°16	11° 5	9°27	2°17	11°D14	10°36	7°44	2° 4	M 4
T 5	15 28 4	23°19'57	4°36	2°31	7°25	9° 1	6°50	5°16	11° 5	9°29	2°18	11°R14	10°33	7°51	2° 6	T 5
W 6	15 32 0	24°17'38	17°51	4°37	8°22	9°38	6°43	5°R16	11°R 5	9°31	2°19	11°14	10°30	7°58	2° 9	W 6
T 7	15 35 57	25°15'17	1°34	6°40	9°20	10°15	6°36	5°16	11° 5	9°32	2°20	11°13	10°27	8° 4	2°11	T 7
F 8	15 39 53	26°12'55	15°46	8°42	10°18	10°52	6°29	5°16	11° 5	9°34	2°21	11° 9	10°24	8°11	2°14	F 8
S 9	15 43 50	27°10'31	0°12	10°41	11°16	11°29	6°22	5°16	11° 5	9°36	2°22	11° 3	10°21	8°18	2°16	S 9
S 10	15 47 46	28° 8'06	15°29	12°38	12°15	12° 5	6°16	5°16	11° 5	9°37	2°23	10°55	10°17	8°25	2°19	S 10
M 11	15 51 43	29° 5'39	0°45	14°32	13°14	12°42	6° 9	5°15	11° 5	9°39	2°24	10°45	10°14	8°31	2°21	M 11
T 12	15 55 39	0°12 3'12	16° 4	16°24	14°13	13°19	6° 3	5°15	11° 5	9°41	2°24	10°34	10°11	8°38	2°23	T 12
W 13	15 59 36	1° 0'43	1°31	18°13	15°13	13°56	5°56	5°14	11° 4	9°43	2°25	10°25	10° 8	8°45	2°26	W 13
T 14	16 3 33	1°58'14	16° 7	19°59	16°13	14°33	5°50	5°13	11° 4	9°45	2°26	10°17	10° 5	8°51	2°28	T 14
F 15	16 7 29	2°55'43	0°34	21°43	17°13	15°10	5°44	5°12	11° 4	9°47	2°27	10°11	10° 2	8°58	2°30	F 15
S 16	16 11 26	3°53'12	14°33	23°24	18°14	15°47	5°38	5°11	11° 3	9°48	2°28	10° 9	9°58	9° 5	2°32	S 16
S 17	16 15 22	4°50'40	28° 4	25° 2	19°15	16°24	5°32	5°10	11° 3	9°50	2°29	10° 8	9°55	9°12	2°35	S 17
M 18	16 19 19	5°48'07	11°10	26°37	20°17	17° 1	5°26	5° 9	11° 2	9°52	2°29	10° 8	9°52	9°18	2°37	M 18
T 19	16 23 15	6°45'34	23°53	28° 9	21°18	17°37	5°20	5° 8	11° 2	9°54	2°30	10° 7	9°49	9°25	2°39	T 19
W 20	16 27 12	7°42'59	6°20	29°38	22°20	18°14	5°15	5° 7	11° 1	9°56	2°31	10° 5	9°46	9°32	2°41	W 20
T 21	16 31 8	8°40'24	18°33	1°34	23°22	18°51	5° 9	5° 5	11° 0	9°58	2°32	10° 1	9°42	9°39	2°43	T 21
F 22	16 35 5	9°37'49	0°37	2°28	24°25	19°28	5° 4	5° 4	10°59	10° 0	2°32	9°54	9°39	9°45	2°44	F 22
S 23	16 39 2	10°35'12	12°35	3°48	25°27	20° 5	4°59	5° 2	10°59	10° 2	2°33	9°45	9°36	9°52	2°46	S 23
S 24	16 42 58	11°32'36	24°29	5° 5	26°30	20°42	4°54	5° 1	10°58	10° 4	2°34	9°32	9°33	9°59	2°48	S 24
M 25	16 46 55	12°29'58	6°12	6°19	27°33	21°19	4°49	4°59	10°57	10° 6	2°34	9°19	9°30	10° 5	2°50	M 25
T 26	16 50 51	13°27'19	18°13	7°30	28°37	21°56	4°45	4°57	10°56	10° 8	2°35	9° 5	9°27	10°12	2°52	T 26
W 27	16 54 48	14°24'40	0°36	8°37	29°40	22°33	4°40	4°55	10°55	10°10	2°36	8°51	9°23	10°19	2°53	W 27
T 28	16 58 44	15°22'00	12° 2	9°41	0°44	23°10	4°36	4°53	10°54	10°12	2°36	8°40	9°20	10°26	2°55	T 28
F 29	17 2 41	16°19'20	24° 2	10°42	1°48	23°47	4°32	4°51	10°53	10°14	2°37	8°31	9°17	10°32	2°56	F 29
S 30	17 6 38	17°16'38	6°12	11°40	2°52	24°25	4°27	4°49	10°52	10°16	2°37	8°25	9°14	10°39	2°58	S 30
S 31	17 10 34	18°13'56	18°26	12°33	3°57	25°25	4°12	4°47	10°51	10°18	2°38	8°21	9°11	10°46	2°59	S 31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	17n39	26n50	4n12	19n30	0n43	0n29	1 s 4	24n42	1n23	12s42	1n21	19s25	0s26	18s 7	0s39	22n23	0s47	14s12	16s29	7s19	7s33	26n40	3n31	3n 0	
S 2	17 54	24 16	3 32	20 11	0 53	0 47	1 9	24 40	1 23	12 40	1 21	19 25	0 26	18 7	0 39	22 23	0 47	14 12	16 29	7 21	7 34	26 41	3 32	3 0	
S 3	18 9	20 34	2 41	20 50	1 2	1 4	1 14	24 38	1 22	12 38	1 21	19 25	0 26	18 7	0 39	22 23	0 47	14 12	16 30	7 22	7 35	26 42	3 33	3 0	
M 4	18 24	15 53	1 41	21 27	1 11	1 22	1 19	24 36	1 22	12 36	1 21	19 25	0 26	18 7	0 39	22 23	0 47	14 12	16 30	7 22	7 36	26 43	3 34	3 0	
T 5	18 39	10 24	0 35	22 1	1 20	1 40	1 24	24 33	1 22	12 33	1 21	19 25	0 26	18 7	0 39	22 23	0 47	14 12	16 30	7 22	7 38	26 44	3 35	3 0	
W 6	18 53	4 17	0s35	22 33	1 28	1 59	1 28	24 31	1 22	12 31	1 21	19 26	0 27	18 7	0 39	22 22	0 47	14 12	16 31	7 22	7 39	26 46	3 36	3 0	
T 7	19 7	2s14	1 45	23 3	1 36	2 17	1 33	24 28	1 22	12 29	1 20	19 26	0 27	18 7	0 39	22 22	0 47	14 11	16 31	7 23	7 40	26 47	3 37	3 0	
F 8	19 21	8 52	2 52	23 30	1 43	2 36	1 37	24 25	1 22	12 27	1 20	19 26	0 27	18 7	0 39	22 22	0 47	14 11	16 31	7 24	7 41	26 48	3 38	3 0	
S 9	19 34	15 13	3 49	23 54	1 49	2 55	1 41	24 21	1 22	12 25	1 20	19 26	0 27	18 7	0 39	22 22	0 47	14 11	16 31	7 26	7 42	26 49	3 39	3 0	
S 10	19 47	20 51	4 32	24 15	1 54	3 15	1 45	24 18	1 22	12 23	1 20	19 26	0 27	18 7	0 39	22 22	0 47	14 11	16 32	7 29	7 44	26 50	3 41	3 0	
M11	20 0	25 11	4 56	24 34	1 59	3 34	1 48	24 14	1 21	12 21	1 20	19 26	0 27	18 7	0 39	22 22	0 47	14 11	16 32	7 33	7 45	26 51	3 42	3 0	
T 12	20 13	27 44	4 59	24 51	2 3	3 54	1 52	24 11	1 21	12 19	1 20	19 27	0 27	18 7	0 39	22 22	0 47	14 11	16 32	7 37	7 46	26 52	3 43	3 0	
W13	20 25	28 11	4 41	25 4	2 7	4 14	1 55	24 7	1 21	12 17	1 19	19 27	0 27	18 7	0 39	22 22	0 47	14 11	16 33	7 41	7 47	26 53	3 43	3 0	
T 14	20 36	26 34	4 4	25 16	2 9	4 34	1 58	24 3	1 21	12 15	1 19	19 27	0 28	18 7	0 39	22 22	0 47	14 11	16 33	7 44	7 48	26 55	3 44	3 0	
F 15	20 48	23 13	3 13	25 25	2 11	4 55	2 1	23 58	1 21	12 13	1 19	19 28	0 28	18 8	0 39	22 22	0 47	14 11	16 33	7 46	7 50	26 56	3 45	3 0	
S 16	20 59	18 35	2 11	25 32	2 12	5 15	2 4	23 54	1 21	12 11	1 19	19 28	0 28	18 8	0 39	22 21	0 47	14 11	16 34	7 47	7 51	26 57	3 46	3 1	
S 17	21 9	13 10	1 3	25 36	2 12	5 36	2 7	23 49	1 21	12 10	1 19	19 28	0 28	18 8	0 39	22 21	0 47	14 11	16 34	7 47	7 52	26 58	3 47	3 1	
M18	21 19	7 19	0n 5	25 38	2 11	5 57	2 9	23 44	1 20	12 8	1 18	19 29	0 28	18 8	0 39	22 21	0 47	14 11	16 34	7 47	7 53	26 59	3 48	3 1	
T 19	21 29	1 20	1 12	25 39	2 10	6 18	2 12	23 40	1 20	12 6	1 18	19 29	0 28	18 8	0 39	22 21	0 47	14 11	16 35	7 47	7 54	27 0	3 49	3 1	
W20	21 39	4n34	2 14	25 37	2 8	6 39	2 14	23 34	1 20	12 5	1 18	19 30	0 28	18 8	0 40	22 21	0 47	14 11	16 35	7 48	7 56	27 1	3 50	3 1	
T 21	21 48	10 11	3 8	25 34	2 5	7 0	2 16	23 29	1 20	12 3	1 18	19 30	0 28	18 9	0 40	22 21	0 47	14 11	16 35	7 50	7 57	27 2	3 51	3 1	
F 22	21 57	15 21	3 53	25 29	2 1	7 21	2 18	23 24	1 20	12 1	1 18	19 31	0 29	18 9	0 40	22 21	0 47	14 11	16 36	7 52	7 58	27 3	3 52	3 1	
S 23	22 5	19 53	4 27	25 23	1 56	7 42	2 20	23 18	1 20	12 0	1 17	19 31	0 29	18 9	0 40	22 21	0 47	14 11	16 36	7 56	7 59	27 4	3 52	3 1	
S 24	22 13	23 36	4 49	25 15	1 51	8 3	2 22	23 12	1 19	11 59	1 17	19 32	0 29	18 9	0 40	22 20	0 46	14 11	16 36	8 1	8 0	27 5	3 53	3 1	
M25	22 21	26 19	4 59	25 6	1 45	8 24	2 23	23 6	1 19	11 57	1 17	19 32	0 29	18 10	0 40	22 20	0 46	14 11	16 37	8 6	8 2	27 6	3 54	3 1	
T 26	22 28	27 53	4 56	24 55	1 38	8 45	2 24	23 0	1 19	11 56	1 17	19 33	0 29	18 10	0 40	22 20	0 46	14 11	16 37	8 11	8 3	27 7	3 55	3 1	
W27	22 35	28 9	4 39	24 44	1 31	9 7	2 26	22 54	1 19	11 54	1 16	19 33	0 29	18 10	0 40	22 20	0 46	14 11	16 37	8 16	8 4	27 8	3 55	3 1	
T 28	22 41	27 7	4 11	24 31	1 23	9 28	2 27	22 48	1 19	11 53	1 16	19 34	0 29	18 11	0 40	22 20	0 46	14 11	16 38	8 20	8 5	27 9	3 56	3 2	
F 29	22 47	24 49	3 31	24 17	1 14	9 49	2 28	22 41	1 19	11 52	1 16	19 34	0 29	18 11	0 40	22 20	0 46	14 11	16 38	8 24	8 6	27 10	3 57	3 2	
S 30	22 53	21 23	2 41	24 3	1 4	10 10	2 29	22 34	1 18	11 51	1 16	19 35	0 30	18 11	0 40	22 20	0 46	14 11	16 38	8 26	8 8	27 11	3 58	3 2	
S 31	22n58	16n58	1n43	23n48	0n54	10n31	2s30	22n28	1n18	11s50	1n15	19s36	0s30	18s12	0s40	22n19	0s46	14s11	16s39	8s27	8s 9	27n12	3n58	3n 2	

ASTRODIENST EPHEMERIS for the year 1579
geocentric

JUNE 1579 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	17 14 31	19II11'12	0♍57	13♌24	5♋1	25♎39	4°R20	4°R44	10°R50	10♎20	2°V38	8°R20	9♋8	10II53	3°V1	M 1
T 2	17 18 27	20° 8'28	13°46	14°10	6° 6	26°16	4♍16	4♎42	10♎49	10°23	2°39	8♋20	9° 4	10°59	3° 2	T 2
W 3	17 22 24	21° 5'43	26°57	14°53	7°11	26°53	4°13	4°39	10°47	10°25	2°39	8°20	9° 1	11° 6	3° 3	W 3
T 4	17 26 20	22° 2'58	10♌33	15°31	8°16	27°30	4°10	4°37	10°46	10°27	2°40	8°19	8°58	11°13	3° 5	T 4
F 5	17 30 17	23° 0'11	24°36	16° 6	9°22	28° 7	4° 7	4°34	10°45	10°29	2°40	8°16	8°55	11°19	3° 6	F 5
S 6	17 34 13	23°57'24	9♍7	16°36	10°27	28°44	4° 4	4°31	10°43	10°31	2°40	8°10	8°52	11°26	3° 7	S 6
S 7	17 38 10	24°54'36	24° 1	17° 2	11°33	29°21	4° 1	4°28	10°42	10°33	2°41	8° 2	8°48	11°33	3° 8	S 7
M 8	17 42 7	25°51'48	9♎12	17°24	12°38	29°59	3°59	4°25	10°41	10°35	2°41	7°53	8°45	11°40	3° 9	M 8
T 9	17 46 3	26°48'59	24°29	17°41	13°44	0♌36	3°56	4°22	10°39	10°38	2°42	7°43	8°42	11°46	3°10	T 9
W10	17 50 0	27°46'10	9♎43	17°54	14°51	1°13	3°54	4°19	10°38	10°40	2°42	7°34	8°39	11°53	3°11	W10
T 11	17 53 56	28°43'21	24°41	18° 2	15°57	1°50	3°52	4°16	10°36	10°42	2°42	7°26	8°36	12° 0	3°12	T 11
F 12	17 57 53	29°40'32	9♎15	18°R 6	17° 3	2°27	3°50	4°13	10°34	10°44	2°42	7°21	8°33	12° 7	3°13	F 12
S 13	18 1 49	0♎37'43	23°22	18° 5	18°10	3° 4	3°49	4°10	10°33	10°46	2°43	7°18	8°29	12°13	3°14	S 13
S 14	18 5 46	1°34'53	7♋0	17°59	19°17	3°42	3°47	4° 6	10°31	10°49	2°43	7°D18	8°26	12°20	3°14	S 14
M15	18 9 42	2°32'04	20°10	17°49	20°23	4°19	3°46	4° 3	10°29	10°51	2°43	7°18	8°23	12°27	3°15	M15
T 16	18 13 39	3°29'15	2°V57	17°35	21°30	4°56	3°45	4° 0	10°28	10°53	2°43	7°R18	8°20	12°33	3°16	T 16
W17	18 17 36	4°26'26	15°23	17°16	22°38	5°33	3°44	3°56	10°26	10°55	2°43	7°18	8°17	12°40	3°16	W17
T 18	18 21 32	5°23'37	27°34	16°53	23°45	6°11	3°43	3°52	10°24	10°57	2°44	7°15	8°14	12°47	3°17	T 18
F 19	18 25 29	6°20'49	9♋35	16°27	24°52	6°48	3°43	3°49	10°22	11° 0	2°44	7°11	8°10	12°54	3°17	F 19
S 20	18 29 25	7°18'01	21°30	15°58	26° 0	7°25	3°42	3°45	10°20	11° 2	2°44	7° 4	8° 7	13° 0	3°18	S 20
S 21	18 33 22	8°15'13	3II22	15°25	27° 7	8° 3	3°42	3°41	10°19	11° 4	2°44	6°55	8° 4	13° 7	3°18	S 21
M22	18 37 18	9°12'26	15°13	14°51	28°15	8°40	3°D42	3°38	10°17	11° 6	2°44	6°44	8° 1	13°14	3°18	M22
T 23	18 41 15	10° 9'38	27° 7	14°14	29°23	9°17	3°42	3°34	10°15	11° 9	2°44	6°33	7°58	13°20	3°19	T 23
W24	18 45 11	11° 6'51	9♎4	13°36	0II31	9°55	3°43	3°30	10°13	11°11	2°R44	6°23	7°54	13°27	3°19	W24
T 25	18 49 8	12° 4'04	21° 7	12°58	1°39	10°32	3°43	3°26	10°11	11°13	2°44	6°14	7°51	13°34	3°19	T 25
F 26	18 53 5	13° 1'18	3♌17	12°20	2°47	11° 9	3°44	3°22	10° 9	11°15	2°44	6° 8	7°48	13°41	3°19	F 26
S 27	18 57 1	13°58'31	15°34	11°42	3°56	11°47	3°45	3°18	10° 7	11°17	2°44	6° 3	7°45	13°47	3°R19	S 27
S 28	19 0 58	14°55'44	28° 2	11° 6	5° 4	12°24	3°46	3°14	10° 5	11°20	2°44	6° 1	7°42	13°54	3°19	S 28
M29	19 4 54	15°52'58	10♍42	10°32	6°13	13° 2	3°47	3°10	10° 3	11°22	2°44	6°D 1	7°39	14° 1	3°19	M29
T 30	19 8 51	16°50'12	23♍37	10°52	7II21	13♌39	3♍48	3♎6	10♎0	11°24	2°V43	6♋2	7♋35	14II8	3°V19	T 30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	23n 3	11n46	0n39	23n32	0n43	10n52	2s30	22n21	1n18	11s49	1n15	19s36	0s30	18s12	0s40	22n19
T 2	23 8	5 57	0s29	23 16	0 31	11 13	2 31	22 13	1 18	11 48	1 15	19 37	0 30	18 12	0 40	22 19
W 3	23 12	0s16	1 37	22 59	0 19	11 34	2 31	22 6	1 18	11 47	1 15	19 38	0 30	18 13	0 40	22 19
T 4	23 15	6 40	2 42	22 42	0 6	11 54	2 31	21 59	1 18	11 46	1 14	19 39	0 30	18 13	0 40	22 19
F 5	23 19	12 57	3 39	22 24	0s 7	12 15	2 32	21 51	1 17	11 45	1 14	19 39	0 30	18 13	0 40	22 19
S 6	23 21	18 44	4 24	22 7	0 21	12 35	2 32	21 43	1 17	11 45	1 14	19 40	0 30	18 14	0 40	22 19
S 7	23 24	23 33	4 53	21 49	0 35	12 56	2 32	21 35	1 17	11 44	1 14	19 41	0 31	18 14	0 40	22 18
M 8	23 26	26 51	5 1	21 32	0 50	13 16	2 31	21 27	1 17	11 43	1 13	19 42	0 31	18 15	0 40	22 18
T 9	23 27	28 12	4 49	21 15	1 5	13 36	2 31	21 19	1 17	11 43	1 13	19 43	0 31	18 15	0 40	22 18
W10	23 29	27 24	4 16	20 58	1 21	13 56	2 31	21 11	1 16	11 42	1 13	19 44	0 31	18 15	0 40	22 18
T 11	23 29	24 37	3 26	20 41	1 37	14 15	2 30	21 2	1 16	11 42	1 13	19 44	0 31	18 16	0 40	22 18
F 12	23 30	20 17	2 23	20 25	1 53	14 34	2 30	20 53	1 16	11 42	1 12	19 45	0 31	18 16	0 40	22 18
S 13	23 30	14 55	1 13	20 9	2 9	14 54	2 29	20 45	1 16	11 41	1 12	19 46	0 31	18 17	0 40	22 18
S 14	23 29	8 59	0 2	19 54	2 25	15 13	2 28	20 36	1 16	11 41	1 12	19 47	0 31	18 17	0 40	22 17
M15	23 28	2 52	1n 8	19 39	2 40	15 31	2 27	20 27	1 15	11 41	1 12	19 48	0 32	18 18	0 40	22 17
T 16	23 27	3n12	2 12	19 26	2 56	15 50	2 26	20 17	1 15	11 41	1 11	19 49	0 32	18 18	0 40	22 17
W17	23 25	8 58	3 8	19 13	3 11	16 8	2 25	20 8	1 15	11 41	1 11	19 50	0 32	18 19	0 40	22 17
T 18	23 23	14 17	3 55	19 2	3 26	16 26	2 24	19 59	1 15	11 41	1 11	19 51	0 32	18 19	0 40	22 17
F 19	23 21	18 59	4 30	18 51	3 40	16 43	2 23	19 49	1 14	11 41	1 10	19 52	0 32	18 20	0 40	22 17
S 20	23 18	22 53	4 53	18 41	3 53	17 1	2 21	19 39	1 14	11 41	1 10	19 53	0 32	18 20	0 40	22 16
S 21	23 14	25 50	5 3	18 33	4 5	17 17	2 20	19 29	1 14	11 41	1 10	19 54	0 32	18 21	0 41	22 16
M22	23 11	27 39	5 1	18 26	4 16	17 34	2 18	19 19	1 14	11 41	1 10	19 55	0 32	18 21	0 41	22 16
T 23	23 6	28 13	4 45	18 20	4 25	17 50	2 17	19 9	1 14	11 42	1 9	19 56	0 32	18 22	0 41	22 16
W24	23 2	27 27	4 17	18 16	4 33	18 6	2 15	18 59	1 13	11 42	1 9	19 57	0 33	18 23	0 41	22 16
T 25	22 57	25 24	3 37	18 13	4 40	18 22	2 13	18 49	1 13	11 42	1 9	19 58	0 33	18 23	0 41	22 15
F 26	22 51	22 10	2 46	18 11	4 46	18 37	2 12	18 38	1 13	11 43	1 9	19 59	0 33	18 24	0 41	22 15
S 27	22 46	17 55	1 48	18 11	4 49	18 52	2 10	18 27	1 12	11 44	1 8	20 0	0 33	18 24	0 41	22 15
S 28	22 39	12 51	0 43	18 12	4 51	19 6	2 8	18 17	1 12	11 44	1 8	20 1	0 33	18 25	0 41	22 15
M29	22 33	7 11	0s25	18 14	4 52	19 20	2 6	18 6	1 12	11 45	1 8	20 2	0 33	18 25	0 41	22 15
T 30	22n26	1n 7	1s33	18n18	4s50	19n33	2s 4	17n55	1n12	11s46	1n 7	20s 3	0s33	18s26	0s41	22n15

Julian Day Number = 2297938.5, Delta T = 121.04 sec

Ecliptic obliquity = 23°29'46, Nutation = 0°00'06, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°52'16, Lahiri = 17°59'16 Julian Calendar 1 June 1579 == Greg. Calendar 11 June 1579

ASTRODIENST EPHEMERIS for the year 1579
geocentric

JULY 1579 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	19 12 47	17°47'25	6°50	9°R32	8°II30	14°Ω17	3°M50	3°R 1	9°R58	11°Ω26	2°R43	6°H 3	7°H32	14°II14	3°R19	W 1
T 2	19 16 44	18°44'39	20°23	9°Ω 7	9°39	14°54	3°52	2°57	9°56	11°29	2°Y43	6°R 3	7°29	14°21	3°Y19	T 2
F 3	19 20 40	19°41'53	4°M19	8°47	10°48	15°32	3°54	2°53	9°54	11°31	2°43	6° 3	7°26	14°28	3°18	F 3
S 4	19 24 37	20°39'07	18°37	8°31	11°57	16° 9	3°56	2°49	9°52	11°33	2°43	6° 0	7°23	14°34	3°18	S 4
S 5	19 28 34	21°36'22	3°X15	8°20	13° 6	16°47	3°58	2°44	9°49	11°35	2°42	5°55	7°20	14°41	3°18	S 5
M 6	19 32 30	22°33'37	18° 8	8°D15	14°15	17°24	4° 1	2°40	9°47	11°37	2°42	5°50	7°16	14°48	3°17	M 6
T 7	19 36 27	23°30'52	3°Z 9	8°15	15°24	18° 2	4° 3	2°36	9°45	11°40	2°42	5°43	7°13	14°55	3°17	T 7
W 8	19 40 23	24°28'08	18° 8	8°21	16°34	18°39	4° 6	2°31	9°43	11°42	2°42	5°37	7°10	15° 1	3°16	W 8
T 9	19 44 20	25°25'24	2°58	8°32	17°43	19°17	4° 9	2°27	9°40	11°44	2°41	5°33	7° 7	15° 8	3°15	T 9
F 10	19 48 16	26°22'41	17°29	8°50	18°53	19°55	4°12	2°22	9°38	11°46	2°41	5°30	7° 4	15°15	3°15	F 10
S 11	19 52 13	27°19'59	1°H36	9°13	20° 2	20°32	4°16	2°18	9°36	11°48	2°41	5°D29	7° 0	15°22	3°14	S 11
S 12	19 56 10	28°17'18	15°17	9°43	21°12	21°10	4°19	2°14	9°33	11°50	2°40	5°29	6°57	15°28	3°13	S 12
M13	20 0 6	29°14'37	28°32	10°18	22°22	21°48	4°23	2° 9	9°31	11°53	2°40	5°30	6°54	15°35	3°12	M13
T14	20 4 3	0°Ω11'58	11°Y22	10°59	23°32	22°25	4°27	2° 5	9°29	11°55	2°39	5°32	6°51	15°42	3°12	T14
W15	20 7 59	1° 9'19	23°52	11°47	24°42	23° 3	4°31	2° 0	9°26	11°57	2°39	5°33	6°48	15°48	3°11	W15
T16	20 11 56	2° 6'42	6°B 6	12°40	25°52	23°41	4°35	1°56	9°24	11°59	2°38	5°R33	6°45	15°55	3°10	T16
F17	20 15 52	3° 4'06	18° 8	13°39	27° 2	24°18	4°39	1°51	9°22	12° 1	2°38	5°32	6°41	16° 2	3° 9	F17
S18	20 19 49	4° 1'31	0°II 2	14°44	28°13	24°56	4°44	1°47	9°19	12° 3	2°37	5°29	6°38	16° 9	3° 8	S18
S19	20 23 45	4°58'57	11°54	15°54	29°23	25°34	4°48	1°42	9°17	12° 5	2°37	5°25	6°35	16°15	3° 7	S19
M20	20 27 42	5°56'25	23°47	17° 9	0°Ω34	26°12	4°53	1°38	9°15	12° 7	2°36	5°21	6°32	16°22	3° 5	M20
T21	20 31 39	6°53'54	5°Ω44	18°30	1°44	26°50	4°58	1°34	9°12	12°10	2°36	5°16	6°29	16°29	3° 4	T21
W22	20 35 35	7°51'24	17°48	19°56	2°55	27°27	5° 3	1°29	9°10	12°12	2°35	5°11	6°26	16°35	3° 3	W22
T23	20 39 32	8°48'55	0°Ω 0	21°26	4° 5	28° 5	5° 9	1°25	9° 7	12°14	2°35	5° 7	6°22	16°42	3° 2	T23
F24	20 43 28	9°46'27	12°22	23° 1	5°16	28°43	5°14	1°20	9° 5	12°16	2°34	5° 4	6°19	16°49	3° 0	F24
S25	20 47 25	10°44'00	24°56	24°40	6°27	29°21	5°19	1°16	9° 3	12°18	2°33	5° 3	6°16	16°56	2°59	S25
S26	20 51 21	11°41'34	7°M41	26°23	7°38	29°59	5°25	1°12	9° 0	12°20	2°33	5°D 3	6°13	17° 2	2°57	S26
M27	20 55 18	12°39'09	20°38	28°10	8°49	0°M37	5°31	1° 7	8°58	12°22	2°32	5° 3	6°10	17° 9	2°56	M27
T28	20 59 14	13°36'45	3°Ω50	29°59	10° 0	1°15	5°37	1° 3	8°55	12°24	2°31	5° 4	6° 6	17°16	2°54	T28
W29	21 3 11	14°34'23	17°15	1°Ω52	11°11	1°53	5°43	0°59	8°53	12°26	2°31	5° 6	6° 3	17°23	2°53	W29
T30	21 7 8	15°32'01	0°M55	3°46	12°23	2°31	5°50	0°55	8°51	12°28	2°30	5° 7	6° 0	17°29	2°51	T30
F31	21 11 4	16°Ω29'40	14°M50	5°Ω43	13°Ω34	3°M 9	5°M56	0°50	8°548	12°Ω29	2°Y29	5°R 7	5°H57	17°II36	2°Y49	F31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	22n19	5s 8	2s38	18n23	4s47	19n47	2s 1	17n44	1n12	11s46	1n 7	20s 4	0s33	18s27	0s41	22n14
T 2	22 11	11 19	3 36	18 29	4 43	19 59	1 59	17 32	1 11	11 47	1 7	20 5	0 33	18 27	0 41	22 14
F 3	22 3	17 6	4 23	18 36	4 37	20 11	1 57	17 21	1 11	11 48	1 7	20 6	0 33	18 28	0 41	22 14
S 4	21 54	22 7	4 55	18 44	4 30	20 23	1 54	17 9	1 11	11 49	1 6	20 7	0 34	18 28	0 41	22 14
S 5	21 45	25 54	5 8	18 53	4 21	20 34	1 52	16 58	1 11	11 50	1 6	20 8	0 34	18 29	0 41	22 14
M 6	21 36	27 58	5 1	19 3	4 11	20 45	1 50	16 46	1 10	11 51	1 6	20 10	0 34	18 30	0 41	22 13
T 7	21 27	28 2	4 34	19 14	4 1	20 55	1 47	16 34	1 10	11 52	1 6	20 11	0 34	18 30	0 41	22 13
W 8	21 17	26 2	3 48	19 26	3 49	21 5	1 44	16 22	1 10	11 54	1 5	20 12	0 34	18 31	0 41	22 13
T 9	21 6	22 15	2 47	19 37	3 36	21 14	1 42	16 10	1 10	11 55	1 5	20 13	0 34	18 32	0 41	22 13
F 10	20 56	17 10	1 36	19 49	3 23	21 23	1 39	15 58	1 9	11 56	1 5	20 14	0 34	18 32	0 41	22 13
S 11	20 45	11 16	0 21	20 2	3 9	21 31	1 36	15 46	1 9	11 58	1 5	20 15	0 34	18 33	0 41	22 13
S 12	20 33	5 0	0n53	20 14	2 55	21 39	1 34	15 34	1 9	11 59	1 4	20 16	0 34	18 33	0 41	22 12
M13	20 21	1n17	2 2	20 26	2 40	21 46	1 31	15 21	1 8	12 0	1 4	20 17	0 34	18 34	0 41	22 12
T14	20 9	7 19	3 3	20 38	2 25	21 52	1 28	15 9	1 8	12 2	1 4	20 18	0 35	18 35	0 41	22 12
W15	19 57	12 54	3 53	20 49	2 10	21 58	1 25	14 56	1 8	12 4	1 3	20 19	0 35	18 35	0 41	22 12
T16	19 44	17 51	4 32	20 59	1 55	22 4	1 22	14 43	1 8	12 5	1 3	20 20	0 35	18 36	0 41	22 12
F17	19 31	22 2	4 58	21 9	1 39	22 8	1 19	14 31	1 7	12 7	1 3	20 22	0 35	18 37	0 41	22 11
S18	19 18	25 16	5 11	21 17	1 24	22 13	1 16	14 18	1 7	12 9	1 3	20 23	0 35	18 37	0 41	22 11
S19	19 4	27 23	5 10	21 24	1 9	22 16	1 13	14 5	1 7	12 10	1 2	20 24	0 35	18 38	0 41	22 11
M20	18 50	28 17	4 56	21 30	0 54	22 19	1 10	13 51	1 6	12 12	1 2	20 25	0 35	18 39	0 41	22 11
T21	18 36	27 51	4 29	21 34	0 39	22 22	1 7	13 38	1 6	12 14	1 2	20 26	0 35	18 39	0 41	22 11
W22	18 21	26 7	3 50	21 36	0 25	22 23	1 4	13 25	1 6	12 16	1 2	20 27	0 35	18 40	0 41	22 10
T23	18 6	23 8	3 0	21 36	0 12	22 25	1 1	13 12	1 6	12 18	1 1	20 28	0 35	18 41	0 41	22 10
F24	17 51	19 4	2 1	21 33	0n 2	22 25	0 58	12 58	1 5	12 20	1 1	20 29	0 35	18 41	0 41	22 10
S25	17 35	14 7	0 55	21 28	0 14	22 25	0 55	12 44	1 5	12 22	1 1	20 30	0 35	18 42	0 41	22 10
S26	17 19	8 29	0s14	21 21	0 26	22 25	0 52	12 31	1 5	12 24	1 1	20 31	0 36	18 42	0 41	22 10
M27	17 3	2 25	1 25	21 11	0 37	22 23	0 49	12 17	1 4	12 27	1 0	20 32	0 36	18 43	0 41	22 10
T28	16 47	3s51	2 32	20 59	0 48	22 21	0 46	12 3	1 4	12 29	1 0	20 33	0 36	18 44	0 41	22 9
W29	16 30	10 3	3 32	20 43	0 57	22 19	0 43	11 49	1 4	12 31	1 0	20 34	0 36	18 44	0 41	22 9
T30	16 13	15 54	4 21	20 25	1 6	22 16	0 40	11 35	1 3	12 33	1 0	20 35	0 36	18 45	0 41	22 9
F31	15n56	21s 2	4s56	20n 5	1n14	22n12	0s36	11n21	1n 3	12s36	1n 0	20s36	0s36	18s46	0s41	22n 9

Julian Day Number = 2297968.5, Delta T = 120.89 sec
Ecliptic obliquity = 23°29'46", Nutation = 0°00'07", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°52'20", Lahiri = 17°59'21" Julian Calendar 1 July 1579 == Greg. Calendar 11 July 1579

ASTRODIENST EPHEMERIS for the year 1579
geocentric

AUGUST 1579 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	21 15 1	17 ⁰² 27'20	29 ⁰⁰ 0	7 ⁰⁴ 41	14 ⁵⁶ 45	3 ⁰⁰ 47	6 ⁰⁰ 3	0°R46	8°R46	12 ⁵³ 31	2°R28	5°R 7	5 ⁰⁵ 54	17 ⁰² 43	2°R48	S 1
S 2	21 18 57	18°25'01	13 ⁰⁷ 22	9°41	15°57	4°25	6° 9	0 ⁰⁰ 42	8 ⁰⁰ 44	12°33	2 ⁰⁰ 28	5 ⁰⁵ 6	5°51	17°49	2 ⁰⁰ 46	S 2
M 3	21 22 54	19°22'44	27°53	11°41	17° 8	5° 3	6°16	0°38	8°41	12°35	2°27	5° 4	5°47	17°56	2°44	M 3
T 4	21 26 50	20°20'27	12 ⁵³ 29	13°42	18°20	5°41	6°23	0°34	8°39	12°37	2°26	5° 3	5°44	18° 3	2°42	T 4
W 5	21 30 47	21°18'12	27° 4	15°43	19°32	6°19	6°30	0°30	8°37	12°39	2°25	5° 1	5°41	18°10	2°40	W 5
T 6	21 34 43	22°15'58	11 ⁰⁸ 31	17°44	20°43	6°58	6°38	0°26	8°34	12°41	2°24	5° 0	5°38	18°16	2°38	T 6
F 7	21 38 40	23°13'45	25°45	19°45	21°55	7°36	6°45	0°22	8°32	12°42	2°23	4°59	5°35	18°23	2°36	F 7
S 8	21 42 37	24°11'34	9 ⁰⁵ 41	21°45	23° 7	8°14	6°53	0°18	8°30	12°44	2°23	4°D59	5°32	18°30	2°34	S 8
S 9	21 46 33	25° 9'24	23°17	23°45	24°19	8°52	7° 0	0°14	8°27	12°46	2°22	4°59	5°28	18°36	2°32	S 9
M10	21 50 30	26° 7'16	6 ⁰⁰ 30	25°43	25°31	9°30	7° 8	0°10	8°25	12°48	2°21	5° 0	5°25	18°43	2°30	M10
T 11	21 54 26	27° 5'10	19°22	27°41	26°43	10° 9	7°16	0° 7	8°23	12°49	2°20	5° 1	5°22	18°50	2°28	T 11
W12	21 58 23	28° 3'05	1 ⁰⁸ 54	29°38	27°55	10°47	7°24	0° 3	8°21	12°51	2°19	5° 1	5°19	18°57	2°26	W12
T 13	22 2 19	29° 1'02	14°10	1 ⁰⁰ 34	29° 7	11°25	7°32	29 ⁵³ 59	8°19	12°53	2°18	5° 2	5°16	19° 3	2°24	T 13
F 14	22 6 16	29°59'02	26°14	3°29	0 ⁰⁰ 20	12° 4	7°40	29°56	8°16	12°54	2°17	5°R 2	5°12	19°10	2°21	F 14
S 15	22 10 12	0 ⁰⁰ 57'03	8 ⁰⁰ 10	5°22	1°32	12°42	7°49	29°52	8°14	12°56	2°16	5° 2	5° 9	19°17	2°19	S 15
S 16	22 14 9	1°55'06	20° 3	7°15	2°45	13°20	7°57	29°49	8°12	12°58	2°15	5° 2	5° 6	19°23	2°17	S 16
M17	22 18 6	2°53'11	1 ⁰⁵ 57	9° 6	3°57	13°59	8° 6	29°46	8°10	12°59	2°14	5° 2	5° 3	19°30	2°14	M17
T 18	22 22 2	3°51'18	13°57	10°56	5°10	14°37	8°15	29°42	8° 8	13° 1	2°13	5° 2	5° 0	19°37	2°12	T 18
W19	22 25 59	4°49'26	26° 5	12°45	6°22	15°16	8°23	29°39	8° 6	13° 2	2°12	5°D 1	4°57	19°44	2°10	W19
T 20	22 29 55	5°47'37	8 ⁰⁰ 26	14°32	7°35	15°54	8°32	29°36	8° 4	13° 4	2°11	5° 1	4°53	19°50	2° 7	T 20
F 21	22 33 52	6°45'49	21° 1	16°18	8°48	16°33	8°42	29°33	8° 2	13° 5	2°10	5° 2	4°50	19°57	2° 5	F 21
S 22	22 37 48	7°44'04	3 ⁰⁰ 52	18° 3	10° 1	17°12	8°51	29°30	8° 0	13° 7	2° 9	5°R 2	4°47	20° 4	2° 2	S 22
S 23	22 41 45	8°42'20	16°58	19°47	11°13	17°50	9° 0	29°27	7°58	13° 8	2° 8	5° 2	4°44	20°11	2° 0	S 23
M24	22 45 41	9°40'37	0 ⁰⁰ 20	21°30	12°26	18°29	9° 9	29°24	7°56	13°10	2° 7	5° 1	4°41	20°17	1°57	M24
T 25	22 49 38	10°38'57	13°56	23°12	13°39	19° 7	9°19	29°21	7°54	13°11	2° 6	5° 1	4°37	20°24	1°55	T 25
W26	22 53 35	11°37'18	27°44	24°52	14°52	19°46	9°29	29°18	7°52	13°12	2° 5	5° 0	4°34	20°31	1°52	W26
T 27	22 57 31	12°35'41	11 ⁰⁰ 42	26°31	16° 6	20°25	9°38	29°16	7°50	13°14	2° 3	4°59	4°31	20°37	1°49	T 27
F 28	23 1 28	13°34'05	25°47	28°10	17°19	21° 4	9°48	29°13	7°48	13°15	2° 2	4°59	4°28	20°44	1°47	F 28
S 29	23 5 24	14°32'31	9 ⁰⁵ 58	29°47	18°32	21°42	9°58	29°11	7°47	13°16	2° 1	4°D58	4°25	20°51	1°44	S 29
S 30	23 9 21	15°30'59	24°11	1 ⁰⁰ 23	19°45	22°21	10° 8	29° 8	7°45	13°18	2° 0	4°58	4°22	20°58	1°41	S 30
M31	23 13 17	16 ⁰⁰ 29'28	8 ⁰⁵ 25	2 ⁰⁰ 58	20 ⁰⁰ 59	23 ⁰⁰ 0	10 ⁰⁰ 18	29 ⁵³ 6	7 ⁰⁰ 43	13 ⁵³ 19	1 ⁰⁰ 59	4 ⁰⁰ 59	4 ⁰⁰ 18	21 ⁰⁰ 4	1 ⁰⁰ 39	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	15n38	25s 5	5s14	19n41	1n21	22n 8	0s33	11n 7	1n 3	12s38	0n59	20s37	0s36	18s46	0s41	22n 9
S 2	15 21	27 37	5 12	19 16	1 27	22 2	0 30	10 53	1 3	12 41	0 59	20 38	0 36	18 47	0 41	22 8
M 3	15 3	28 20	4 51	18 48	1 32	21 57	0 27	10 39	1 2	12 43	0 59	20 39	0 36	18 47	0 41	22 8
T 4	14 44	27 4	4 11	18 17	1 36	21 51	0 24	10 24	1 2	12 46	0 59	20 40	0 36	18 48	0 41	22 8
W 5	14 26	23 58	3 14	17 45	1 40	21 44	0 21	10 10	1 2	12 48	0 58	20 41	0 36	18 49	0 41	22 8
T 6	14 7	19 23	2 6	17 11	1 43	21 36	0 18	9 55	1 1	12 51	0 58	20 42	0 36	18 49	0 41	22 8
F 7	13 48	13 46	0 51	16 35	1 45	21 28	0 15	9 41	1 1	12 53	0 58	20 43	0 36	18 50	0 41	22 8
S 8	13 29	7 33	0n26	15 57	1 46	21 19	0 12	9 26	1 1	12 56	0 58	20 44	0 36	18 50	0 41	22 7
S 9	13 10	1 9	1 40	15 18	1 46	21 10	0 9	9 12	1 0	12 59	0 57	20 44	0 36	18 51	0 41	22 7
M10	12 50	5n 7	2 46	14 38	1 46	21 0	0 6	8 57	1 0	13 1	0 57	20 45	0 36	18 52	0 41	22 7
T 11	12 31	11 1	3 42	13 57	1 45	20 49	0 2	8 42	1 0	13 4	0 57	20 46	0 37	18 52	0 41	22 7
W12	12 11	16 18	4 25	13 15	1 44	20 38	0n 1	8 27	0 59	13 7	0 57	20 47	0 37	18 53	0 41	22 7
T 13	11 51	20 50	4 56	12 31	1 42	20 26	0 3	8 12	0 59	13 10	0 57	20 48	0 37	18 53	0 41	22 7
F 14	11 30	24 25	5 13	11 48	1 39	20 14	0 6	7 57	0 59	13 13	0 56	20 49	0 37	18 54	0 41	22 6
S 15	11 10	26 55	5 16	11 3	1 36	20 1	0 9	7 42	0 58	13 16	0 56	20 49	0 37	18 54	0 41	22 6
S 16	10 49	28 12	5 6	10 18	1 32	19 47	0 12	7 27	0 58	13 19	0 56	20 50	0 37	18 55	0 41	22 6
M17	10 28	28 11	4 43	9 33	1 29	19 33	0 15	7 12	0 58	13 22	0 56	20 51	0 37	18 56	0 41	22 6
T 18	10 7	26 51	4 7	8 47	1 24	19 19	0 18	6 57	0 57	13 25	0 56	20 52	0 37	18 56	0 41	22 6
W19	9 46	24 15	3 19	8 1	1 19	19 4	0 21	6 42	0 57	13 28	0 55	20 52	0 37	18 57	0 41	22 6
T 20	9 25	20 29	2 22	7 15	1 14	18 48	0 23	6 26	0 57	13 31	0 55	20 53	0 37	18 57	0 41	22 5
F 21	9 3	15 44	1 17	6 29	1 9	18 31	0 26	6 11	0 56	13 34	0 55	20 54	0 37	18 58	0 41	22 5
S 22	8 41	10 13	0 6	5 42	1 3	18 15	0 29	5 56	0 56	13 37	0 55	20 55	0 37	18 58	0 41	22 5
S 23	8 20	4 9	1s 6	4 56	0 58	17 57	0 31	5 40	0 55	13 40	0 55	20 55	0 37	18 59	0 41	22 5
M24	7 58	2s12	2 16	4 10	0 51	17 39	0 34	5 25	0 55	13 43	0 54	20 56	0 37	18 59	0 41	22 5
T 25	7 35	8 34	3 19	3 24	0 45	17 21	0 37	5 9	0 55	13 47	0 54	20 56	0 37	19 0	0 41	22 5
W26	7 13	14 36	4 12	2 38	0 38	17 2	0 39	4 54	0 54	13 50	0 54	20 57	0 37	19 0	0 41	22 4
T 27	6 51	19 59	4 51	1 52	0 32	16 43	0 42	4 38	0 54	13 53	0 54	20 58	0 37	19 1	0 41	22 4
F 28	6 29	24 18	5 12	1 7	0 25	16 23	0 44	4 22	0 54	13 56	0 54	20 58	0 37	19 1	0 41	22 4
S 29	6 6	27 11	5 15	0 22	0 18	16 3	0 46	4 7	0 53	14 0	0 53	20 59	0 37	19 1	0 41	22 4
S 30	5 43	28 21	4 59	0s23	0 11	15 42	0 49	3 51	0 53	14 3	0 53	20 59	0 37	19 2	0 41	22 4
M31	5n21	27s37	4s24	1s 8	0n 3	15n21	0n51	3n35	0n53	14s 6	0n53	21s 0	0s37	19s 2	0s41	22n 4

Julian Day Number = 2297999.5, Delta T = 120.74 sec

Ecliptic obliquity = 23°29'46, Nutation = 0°00'08, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°52'24, Lahiri = 17°59'25 Julian Calendar 1 Aug. 1579 == Greg. Calendar 11 Aug. 1579

ASTRODIENST EPHEMERIS for the year 1579

geocentric

SEPTEMBER 1579 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	23 17 14	17 ^h 27 ^m 59 ^s	22 ^h 37 ^m	4 ^h 32 ^m	22 ^h 12 ^m	23 ^h 39 ^m	10 ^h 28 ^m	29 ^h 04 ^m	7 ^h 42 ^m	13 ^h 20 ^m	1 ^h 58 ^m	5 ^h 00 ^m	4 ^h 15 ^m	21 ^h 11 ^m	1 ^h 36 ^m	T 1
W 2	23 21 10	18 ^h 26 ^m 32 ^s	6 ^h 34 ^m	6 ^h 4 ^m	23 ^h 25 ^m	24 ^h 18 ^m	10 ^h 39 ^m	29 ^h 02 ^m	7 ^h 40 ^m	13 ^h 21 ^m	1 ^h 57 ^m	5 ^h 1 ^m	4 ^h 12 ^m	21 ^h 18 ^m	1 ^h 33 ^m	W 2
T 3	23 25 7	19 ^h 25 ^m 06 ^s	20 ^h 43 ^m	7 ^h 36 ^m	24 ^h 39 ^m	24 ^h 56 ^m	10 ^h 49 ^m	29 ^h 0 ^m	7 ^h 38 ^m	13 ^h 22 ^m	1 ^h 56 ^m	5 ^h 2 ^m	4 ^h 9 ^m	21 ^h 24 ^m	1 ^h 31 ^m	T 3
F 4	23 29 4	20 ^h 23 ^m 42 ^s	4 ^h 32 ^m	9 ^h 7 ^m	25 ^h 52 ^m	25 ^h 35 ^m	11 ^h 0 ^m	28 ^h 58 ^m	7 ^h 37 ^m	13 ^h 23 ^m	1 ^h 54 ^m	5 ^h 02 ^m	4 ^h 6 ^m	21 ^h 31 ^m	1 ^h 28 ^m	F 4
S 5	23 33 0	21 ^h 22 ^m 20 ^s	18 ^h 7 ^m	10 ^h 36 ^m	27 ^h 6 ^m	26 ^h 14 ^m	11 ^h 10 ^m	28 ^h 56 ^m	7 ^h 35 ^m	13 ^h 25 ^m	1 ^h 53 ^m	5 ^h 2 ^m	4 ^h 3 ^m	21 ^h 38 ^m	1 ^h 25 ^m	S 5
S 6	23 36 57	22 ^h 21 ^m 00 ^s	1 ^h 27 ^m	12 ^h 5 ^m	28 ^h 20 ^m	26 ^h 53 ^m	11 ^h 21 ^m	28 ^h 54 ^m	7 ^h 34 ^m	13 ^h 26 ^m	1 ^h 52 ^m	5 ^h 0 ^m	3 ^h 59 ^m	21 ^h 45 ^m	1 ^h 22 ^m	S 6
M 7	23 40 53	23 ^h 19 ^m 41 ^s	14 ^h 31 ^m	13 ^h 33 ^m	29 ^h 33 ^m	27 ^h 32 ^m	11 ^h 31 ^m	28 ^h 52 ^m	7 ^h 32 ^m	13 ^h 27 ^m	1 ^h 51 ^m	4 ^h 58 ^m	3 ^h 56 ^m	21 ^h 51 ^m	1 ^h 20 ^m	M 7
T 8	23 44 50	24 ^h 18 ^m 25 ^s	27 ^h 17 ^m	14 ^h 59 ^m	0 ^h 47 ^m	28 ^h 11 ^m	11 ^h 42 ^m	28 ^h 51 ^m	7 ^h 31 ^m	13 ^h 28 ^m	1 ^h 50 ^m	4 ^h 55 ^m	3 ^h 53 ^m	21 ^h 58 ^m	1 ^h 17 ^m	T 8
W 9	23 48 46	25 ^h 17 ^m 11 ^s	9 ^h 48 ^m	16 ^h 25 ^m	2 ^h 1 ^m	28 ^h 50 ^m	11 ^h 53 ^m	28 ^h 49 ^m	7 ^h 30 ^m	13 ^h 29 ^m	1 ^h 49 ^m	4 ^h 52 ^m	3 ^h 50 ^m	22 ^h 5 ^m	1 ^h 14 ^m	W 9
T 10	23 52 43	26 ^h 16 ^m 00 ^s	22 ^h 3 ^m	17 ^h 49 ^m	3 ^h 15 ^m	29 ^h 30 ^m	12 ^h 4 ^m	28 ^h 48 ^m	7 ^h 28 ^m	13 ^h 29 ^m	1 ^h 47 ^m	4 ^h 49 ^m	3 ^h 47 ^m	22 ^h 11 ^m	1 ^h 11 ^m	T 10
F 11	23 56 39	27 ^h 14 ^m 50 ^s	4 ^h 11 ^m	19 ^h 12 ^m	4 ^h 29 ^m	0 ^h 49 ^m	12 ^h 15 ^m	28 ^h 47 ^m	7 ^h 27 ^m	13 ^h 30 ^m	1 ^h 46 ^m	4 ^h 47 ^m	3 ^h 43 ^m	22 ^h 18 ^m	1 ^h 8 ^m	F 11
S 12	0 0 36	28 ^h 13 ^m 43 ^s	16 ^h 3 ^m	20 ^h 34 ^m	5 ^h 43 ^m	0 ^h 48 ^m	12 ^h 26 ^m	28 ^h 45 ^m	7 ^h 26 ^m	13 ^h 31 ^m	1 ^h 45 ^m	4 ^h 45 ^m	3 ^h 40 ^m	22 ^h 25 ^m	1 ^h 6 ^m	S 12
S 13	0 4 32	29 ^h 12 ^m 39 ^s	27 ^h 56 ^m	21 ^h 55 ^m	6 ^h 57 ^m	1 ^h 27 ^m	12 ^h 38 ^m	28 ^h 44 ^m	7 ^h 24 ^m	13 ^h 32 ^m	1 ^h 44 ^m	4 ^h 44 ^m	3 ^h 37 ^m	22 ^h 32 ^m	1 ^h 3 ^m	S 13
M14	0 8 29	0 ^h 11 ^m 36 ^s	9 ^h 49 ^m	23 ^h 15 ^m	8 ^h 11 ^m	2 ^h 6 ^m	12 ^h 49 ^m	28 ^h 43 ^m	7 ^h 23 ^m	13 ^h 33 ^m	1 ^h 43 ^m	4 ^h 45 ^m	3 ^h 34 ^m	22 ^h 38 ^m	1 ^h 0 ^m	M14
T 15	0 12 26	1 ^h 10 ^m 36 ^s	21 ^h 49 ^m	24 ^h 33 ^m	9 ^h 25 ^m	2 ^h 46 ^m	13 ^h 0 ^m	28 ^h 42 ^m	7 ^h 22 ^m	13 ^h 34 ^m	1 ^h 42 ^m	4 ^h 46 ^m	3 ^h 31 ^m	22 ^h 45 ^m	0 ^h 57 ^m	T 15
W16	0 16 22	2 ^h 9 ^m 38 ^s	3 ^h 12 ^m	25 ^h 50 ^m	10 ^h 39 ^m	3 ^h 25 ^m	13 ^h 12 ^m	28 ^h 42 ^m	7 ^h 21 ^m	13 ^h 34 ^m	1 ^h 40 ^m	4 ^h 48 ^m	3 ^h 28 ^m	22 ^h 52 ^m	0 ^h 54 ^m	W16
T 17	0 20 19	3 ^h 8 ^m 42 ^s	16 ^h 24 ^m	27 ^h 6 ^m	11 ^h 53 ^m	4 ^h 4 ^m	13 ^h 23 ^m	28 ^h 41 ^m	7 ^h 20 ^m	13 ^h 35 ^m	1 ^h 39 ^m	4 ^h 49 ^m	3 ^h 24 ^m	22 ^h 58 ^m	0 ^h 51 ^m	T 17
F 18	0 24 15	4 ^h 7 ^m 49 ^s	29 ^h 7 ^m	28 ^h 20 ^m	13 ^h 8 ^m	4 ^h 44 ^m	13 ^h 35 ^m	28 ^h 40 ^m	7 ^h 19 ^m	13 ^h 36 ^m	1 ^h 38 ^m	4 ^h 50 ^m	3 ^h 21 ^m	23 ^h 5 ^m	0 ^h 49 ^m	F 18
S 19	0 28 12	5 ^h 6 ^m 58 ^s	12 ^h 11 ^m	29 ^h 33 ^m	14 ^h 22 ^m	5 ^h 23 ^m	13 ^h 46 ^m	28 ^h 40 ^m	7 ^h 18 ^m	13 ^h 36 ^m	1 ^h 37 ^m	4 ^h 50 ^m	3 ^h 18 ^m	23 ^h 12 ^m	0 ^h 46 ^m	S 19
S 20	0 32 8	6 ^h 6 ^m 08 ^s	25 ^h 37 ^m	0 ^h 43 ^m	15 ^h 36 ^m	6 ^h 2 ^m	13 ^h 58 ^m	28 ^h 39 ^m	7 ^h 17 ^m	13 ^h 37 ^m	1 ^h 36 ^m	4 ^h 49 ^m	3 ^h 15 ^m	23 ^h 19 ^m	0 ^h 43 ^m	S 20
M21	0 36 5	7 ^h 5 ^m 21 ^s	9 ^h 43 ^m	1 ^h 53 ^m	16 ^h 51 ^m	6 ^h 42 ^m	14 ^h 10 ^m	28 ^h 39 ^m	7 ^h 16 ^m	13 ^h 38 ^m	1 ^h 34 ^m	4 ^h 46 ^m	3 ^h 12 ^m	23 ^h 25 ^m	0 ^h 40 ^m	M21
T 22	0 40 1	8 ^h 4 ^m 36 ^s	23 ^h 26 ^m	3 ^h 0 ^m	18 ^h 5 ^m	7 ^h 21 ^m	14 ^h 22 ^m	28 ^h 39 ^m	7 ^h 16 ^m	13 ^h 38 ^m	1 ^h 33 ^m	4 ^h 41 ^m	3 ^h 9 ^m	23 ^h 32 ^m	0 ^h 37 ^m	T 22
W23	0 43 58	9 ^h 3 ^m 54 ^s	7 ^h 14 ^m	4 ^h 5 ^m	19 ^h 19 ^m	8 ^h 1 ^m	14 ^h 34 ^m	28 ^h 38 ^m	7 ^h 15 ^m	13 ^h 39 ^m	1 ^h 32 ^m	4 ^h 36 ^m	3 ^h 5 ^m	23 ^h 39 ^m	0 ^h 35 ^m	W23
T 24	0 47 55	10 ^h 3 ^m 13 ^s	22 ^h 8 ^m	5 ^h 7 ^m	20 ^h 34 ^m	8 ^h 40 ^m	14 ^h 46 ^m	28 ^h 38 ^m	7 ^h 14 ^m	13 ^h 39 ^m	1 ^h 31 ^m	4 ^h 31 ^m	3 ^h 2 ^m	23 ^h 45 ^m	0 ^h 32 ^m	T 24
F 25	0 51 51	11 ^h 2 ^m 34 ^s	6 ^h 13 ^m	6 ^h 8 ^m	21 ^h 48 ^m	9 ^h 20 ^m	14 ^h 58 ^m	28 ^h 39 ^m	7 ^h 14 ^m	13 ^h 40 ^m	1 ^h 30 ^m	4 ^h 26 ^m	2 ^h 59 ^m	23 ^h 52 ^m	0 ^h 29 ^m	F 25
S 26	0 55 48	12 ^h 1 ^m 57 ^s	20 ^h 58 ^m	7 ^h 5 ^m	23 ^h 3 ^m	10 ^h 0 ^m	15 ^h 10 ^m	28 ^h 39 ^m	7 ^h 13 ^m	13 ^h 40 ^m	1 ^h 29 ^m	4 ^h 22 ^m	2 ^h 56 ^m	23 ^h 59 ^m	0 ^h 26 ^m	S 26
S 27	0 59 44	13 ^h 1 ^m 21 ^s	5 ^h 14 ^m	8 ^h 0 ^m	24 ^h 18 ^m	10 ^h 39 ^m	15 ^h 22 ^m	28 ^h 39 ^m	7 ^h 12 ^m	13 ^h 40 ^m	1 ^h 27 ^m	4 ^h 21 ^m	2 ^h 53 ^m	24 ^h 6 ^m	0 ^h 24 ^m	S 27
M28	1 3 41	14 ^h 0 ^m 48 ^s	19 ^h 22 ^m	8 ^h 51 ^m	25 ^h 32 ^m	11 ^h 19 ^m	15 ^h 34 ^m	28 ^h 39 ^m	7 ^h 12 ^m	13 ^h 41 ^m	1 ^h 26 ^m	4 ^h 21 ^m	2 ^h 49 ^m	24 ^h 12 ^m	0 ^h 21 ^m	M28
T 29	1 7 37	15 ^h 0 ^m 16 ^s	3 ^h 18 ^m	9 ^h 39 ^m	26 ^h 47 ^m	11 ^h 59 ^m	15 ^h 46 ^m	28 ^h 40 ^m	7 ^h 11 ^m	13 ^h 41 ^m	1 ^h 25 ^m	4 ^h 22 ^m	2 ^h 46 ^m	24 ^h 19 ^m	0 ^h 18 ^m	T 29
W30	1 11 34	15 ^h 59 ^m 45 ^s	17 ^h 33 ^m	10 ^h 23 ^m	28 ^h 11 ^m	12 ^h 43 ^m	15 ^h 59 ^m	28 ^h 40 ^m	7 ^h 11 ^m	13 ^h 41 ^m	1 ^h 24 ^m	4 ^h 23 ^m	2 ^h 43 ^m	24 ^h 26 ^m	0 ^h 16 ^m	W30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
-----	---	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--

ASTRODIENST EPHEMERIS for the year 1579

geocentric

OCTOBER 1579 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	1 15 30	16 ⁵⁹ 17	0 ³⁷ 37	11 ¹¹ 3	29 ¹⁶ 16	13 ¹⁸ 18	16 ¹¹ 11	28 ³⁴ 1	7 ¹¹ 11	13 ⁴² 42	1 ²³ 23	4 ²⁴ 24	2 ⁴⁰ 40	24 ³² 32	0 ¹³ 13	T 1
F 2	1 19 27	17 ⁵⁸ 50	13 ⁵⁹	11 ³⁸	0 ³¹	13 ⁵⁸	16 ²³	28 ⁴²	7 ¹⁰ 10	13 ⁴²	1 ²² 22	4 ²⁴ 24	2 ³⁷ 37	24 ³⁹ 39	0 ¹⁰ 10	F 2
S 3	1 23 24	18 ⁵⁸ 25	27 ¹⁰	12 ⁷	1 ⁴⁶	14 ³⁸	16 ³⁶	28 ⁴³	7 ¹⁰ 10	13 ⁴²	1 ²¹ 21	4 ²¹ 21	2 ³⁴ 34	24 ⁴⁶ 46	0 ⁸ 8	S 3
S 4	1 27 20	19 ⁵⁸ 02	10 ¹⁰ 10	12 ³¹	3 ¹	15 ¹⁸	16 ⁴⁸	28 ⁴⁴	7 ¹⁰ 10	13 ⁴²	1 ²⁰ 20	4 ¹⁷ 17	2 ³⁰ 30	24 ⁵³ 53	0 ⁵ 5	S 4
M 5	1 31 17	20 ⁵⁷ 41	22 ⁵⁷	12 ⁴⁹	4 ¹⁵	15 ⁵⁸	17 ¹	28 ⁴⁵	7 ¹⁰ 10	13 ⁴²	1 ¹⁸ 18	4 ¹⁰ 10	2 ²⁷ 27	24 ⁵⁹ 59	0 ² 2	M 5
T 6	1 35 13	21 ⁵⁷ 22	5 ³² 32	13 ⁰	5 ³⁰	16 ³⁸	17 ¹⁴	28 ⁴⁶	7 ¹⁰ 10	13 ⁴²	1 ¹⁷ 17	4 ² 2	2 ²⁴ 24	25 ⁶ 6	29 ⁵⁹ 59	T 6
W 7	1 39 10	22 ⁵⁷ 06	17 ⁵⁴	13 ⁴	6 ⁴⁵	17 ¹⁸	17 ²⁶	28 ⁴⁷	7 ⁹ 9	13 ⁴²	1 ¹⁶ 16	3 ⁵² 52	2 ²¹ 21	25 ¹³ 13	29 ⁵⁷ 57	W 7
T 8	1 43 6	23 ⁵⁶ 51	0 ¹¹ 11	13 ⁰	8 ⁰	17 ⁵⁸	17 ³⁹	28 ⁴⁹	7 ⁹ 9	13 ⁴²	1 ¹⁵ 15	3 ⁴³ 43	2 ¹⁸ 18	25 ¹⁹ 19	29 ⁵⁵ 55	T 8
F 9	1 47 3	24 ⁵⁶ 39	12 ⁷	12 ⁴⁷	9 ¹⁵	18 ³⁸	17 ⁵²	28 ⁵⁰	7 ¹⁰ 10	13 ⁴²	1 ¹⁴ 14	3 ³⁴ 34	2 ¹⁴ 14	25 ²⁶ 26	29 ⁵² 52	F 9
S 10	1 50 59	25 ⁵⁶ 28	24 ¹	12 ²⁶	10 ³⁰	19 ¹⁸	18 ⁴	28 ⁵²	7 ¹⁰ 10	13 ⁴²	1 ¹³ 13	3 ²⁸ 28	2 ¹¹ 11	25 ³³ 33	29 ⁵⁰ 50	S 10
S 11	1 54 56	26 ⁵⁶ 20	5 ⁵² 52	11 ⁵⁵	11 ⁴⁵	19 ⁵⁸	18 ¹⁷	28 ⁵³	7 ¹⁰ 10	13 ⁴²	1 ¹² 12	3 ²³ 23	2 ⁸ 8	25 ⁴⁰ 40	29 ⁴⁷ 47	S 11
M 12	1 58 53	27 ⁵⁶ 14	17 ⁴³	11 ¹⁵	13 ⁰	20 ³⁸	18 ³⁰	28 ⁵⁵	7 ¹⁰ 10	13 ⁴²	1 ¹¹ 11	3 ²⁰ 20	2 ⁵ 5	25 ⁴⁶ 46	29 ⁴⁵ 45	M 12
T 13	2 2 49	28 ⁵⁶ 11	29 ⁴⁰	10 ²⁷	14 ¹⁵	21 ¹⁸	18 ⁴³	28 ⁵⁷	7 ¹⁰ 10	13 ⁴²	1 ¹⁰ 10	3 ²⁰ 20	2 ² 2	25 ⁵³ 53	29 ⁴³ 43	T 13
W 14	2 6 46	29 ⁵⁶ 09	11 ⁴⁷ 47	9 ³⁰	15 ³⁰	21 ⁵⁸	18 ⁵⁶	28 ⁵⁹	7 ¹⁰ 10	13 ⁴²	1 ⁹ 9	3 ²⁰ 20	1 ⁵⁹ 59	26 ⁰ 0	29 ⁴⁰ 40	W 14
T 15	2 10 42	0 ¹¹ 56'10	24 ¹¹	8 ²⁵	16 ⁴⁵	22 ³⁹	19 ⁹	29 ¹	7 ¹¹ 11	13 ⁴¹	1 ⁸ 8	3 ²¹ 21	1 ⁵⁵ 55	26 ⁶ 6	29 ³⁸ 38	T 15
F 16	2 14 39	1 ⁵⁶ 13	6 ¹¹ 54	7 ¹⁴	18 ⁰	23 ¹⁹	19 ²²	29 ³	7 ¹¹ 11	13 ⁴¹	1 ⁷ 7	3 ²¹ 21	1 ⁵² 52	26 ¹³ 13	29 ³⁶ 36	F 16
S 17	2 18 35	2 ⁵⁶ 17	20 ²	5 ⁵⁸	19 ¹⁶	23 ⁵⁹	19 ³⁵	29 ⁵	7 ¹² 12	13 ⁴¹	1 ⁶ 6	3 ²⁰ 20	1 ⁴⁹ 49	26 ²⁰ 20	29 ³³ 33	S 17
S 18	2 22 32	3 ⁵⁶ 24	3 ³⁷ 37	4 ⁴¹	20 ³¹	24 ⁴⁰	19 ⁴⁸	29 ⁸	7 ¹² 12	13 ⁴⁰	1 ⁵ 5	3 ¹⁶ 16	1 ⁴⁶ 46	26 ²⁷ 27	29 ³¹ 31	S 18
M 19	2 26 28	4 ⁵⁶ 33	17 ³⁹	3 ²³	21 ⁴⁶	25 ²⁰	20 ¹	29 ¹⁰	7 ¹³ 13	13 ⁴⁰	1 ⁴ 4	3 ¹⁰ 10	1 ⁴³ 43	26 ³³ 33	29 ²⁹ 29	M 19
T 20	2 30 25	5 ⁵⁶ 44	2 ¹¹ 4	2 ⁷	23 ¹	26 ¹	20 ¹⁴	29 ¹³	7 ¹³ 13	13 ⁴⁰	1 ³ 3	3 ¹ 1	1 ⁴⁰ 40	26 ⁴⁰ 40	29 ²⁷ 27	T 20
W 21	2 34 22	6 ⁵⁶ 57	16 ⁴⁷	0 ⁵⁷	24 ¹⁶	26 ⁴¹	20 ²⁷	29 ¹⁵	7 ¹⁴ 14	13 ³⁹	1 ² 2	2 ⁵¹ 51	1 ³⁶ 36	26 ⁴⁷ 47	29 ²⁵ 25	W 21
T 22	2 38 18	7 ⁵⁷ 12	1 ⁴⁰ 40	29 ⁵³	25 ³²	27 ²²	20 ⁴⁰	29 ¹⁸	7 ¹⁵ 15	13 ³⁹	1 ¹ 1	2 ⁴¹ 41	1 ³³ 33	26 ⁵³ 53	29 ²³ 23	T 22
F 23	2 42 15	8 ⁵⁷ 28	16 ³³	28 ⁵⁸	26 ⁴⁷	28 ²	20 ⁵⁴	29 ²¹	7 ¹⁵ 15	13 ³⁸	1 ⁰ 0	2 ³² 32	1 ³⁰ 30	27 ⁰ 0	29 ²¹ 21	F 23
S 24	2 46 11	9 ⁵⁷ 46	1 ³¹ 31	28 ¹⁴	28 ²	28 ⁴³	21 ⁷	29 ²⁴	7 ¹⁶ 16	13 ³⁸	0 ⁵⁹ 59	2 ²⁴ 24	1 ²⁷ 27	27 ⁷ 7	29 ¹⁹ 19	S 24
S 25	2 50 8	10 ⁵⁸ 06	15 ⁵¹	27 ⁴¹	29 ¹⁷	29 ²⁴	21 ²⁰	29 ²⁷	7 ¹⁷ 17	13 ³⁷	0 ⁵⁹ 59	2 ¹⁹ 19	1 ²⁴ 24	27 ¹³ 13	29 ¹⁷ 17	S 25
M 26	2 54 4	11 ⁵⁸ 27	0 ⁴ 4	27 ¹⁹	0 ¹¹ 33	0 ¹¹ 4	21 ³³	29 ³⁰	7 ¹⁸ 18	13 ³⁷	0 ⁵⁸ 58	2 ¹⁷ 17	1 ²⁰ 20	27 ²⁰ 20	29 ¹⁵ 15	M 26
T 27	2 58 1	12 ⁵⁸ 49	13 ⁵⁸	27 ⁹	1 ⁴⁸	0 ⁴⁵	21 ⁴⁷	29 ³³	7 ¹⁹ 19	13 ³⁶	0 ⁵⁷ 57	2 ¹⁷ 17	1 ¹⁷ 17	27 ²⁷ 27	29 ¹³ 13	T 27
W 28	3 1 57	13 ⁵⁹ 13	27 ³⁴	27 ¹⁰	3 ³	1 ²⁶	22 ⁰	29 ³⁶	7 ²⁰ 20	13 ³⁵	0 ⁵⁶ 56	2 ¹⁷ 17	1 ¹⁴ 14	27 ³⁴ 34	29 ¹¹ 11	W 28
T 29	3 5 54	14 ⁵⁹ 37	10 ³²	27 ²³	4 ¹⁹	2 ⁷	22 ¹³	29 ⁴⁰	7 ²¹ 21	13 ³⁵	0 ⁵⁵ 55	2 ¹⁷ 17	1 ¹¹ 11	27 ⁴⁰ 40	29 ⁹ 9	T 29
F 30	3 9 51	16 ⁰ 04	23 ⁵⁵	27 ⁴⁵	5 ³⁴	2 ⁴⁷	22 ²⁷	29 ⁴³	7 ²² 22	13 ³⁴	0 ⁵⁴ 54	2 ¹⁵ 15	1 ⁸ 8	27 ⁴⁷ 47	29 ⁸ 8	F 30
S 31	3 13 47	17 ¹¹ 0'31	6 ¹¹ 45	28 ¹⁶	6 ¹¹ 49	3 ¹¹ 28	22 ¹¹ 40	29 ⁴⁷	7 ²³ 23	13 ³³	0 ⁵⁴ 54	2 ¹¹ 11	1 ⁵ 5	27 ⁵⁴ 54	29 ⁶ 6	S 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
-----	---	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--

ASTRODIENST EPHEMERIS for the year 1579
geocentric

NOVEMBER 1579 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	3 17 44	18 ^m 1'00	19 ^Y 25	28 ^Δ 56	8 ^m 5	4 ^m 9	22 ^m 53	29 ^Σ 50	7 [≈] 25	13°R32	0°R53	2°R 3	1 [✠] 1	28 ^{II} 0	29°R 4	S 1
M 2	3 21 40	19° 1'31	1 ⁸ 54	29°43	9°20	4°50	23° 7	29°54	7°26	13 ^Σ 31	0 ^Y 52	1 [✠] 52	0°58	28° 7	29 [✠] 3	M 2
T 3	3 25 37	20° 2'03	14°15	0 ^m 37	10°36	5°31	23°20	29°58	7°27	13°31	0°51	1°40	0°55	28°14	29° 1	T 3
W 4	3 29 33	21° 2'36	26°26	1°37	11°51	6°12	23°33	0 [≈] 2	7°28	13°30	0°51	1°25	0°52	28°21	29° 0	W 4
T 5	3 33 30	22° 3'12	8 ^{II} 30	2°41	13° 6	6°53	23°47	0° 6	7°30	13°29	0°50	1°11	0°49	28°27	28°58	T 5
F 6	3 37 26	23° 3'48	20°28	3°50	14°22	7°34	24° 0	0°10	7°31	13°28	0°49	0°58	0°46	28°34	28°57	F 6
S 7	3 41 23	24° 4'27	2 ^Σ 20	5° 3	15°37	8°15	24°13	0°14	7°33	13°27	0°49	0°46	0°42	28°41	28°56	S 7
S 8	3 45 20	25° 5'07	14° 9	6°19	16°53	8°56	24°27	0°18	7°34	13°26	0°48	0°37	0°39	28°47	28°54	S 8
M 9	3 49 16	26° 5'48	25°59	7°37	18° 8	9°38	24°40	0°22	7°36	13°25	0°48	0°32	0°36	28°54	28°53	M 9
T 10	3 53 13	27° 6'31	7 ^Δ 53	8°58	19°24	10°19	24°53	0°27	7°38	13°24	0°47	0°29	0°33	29° 1	28°52	T 10
W11	3 57 9	28° 7'16	19°57	10°21	20°39	11° 0	25° 7	0°31	7°39	13°23	0°46	0°27	0°30	29° 8	28°51	W11
T 12	4 1 6	29° 8'02	2 ^m 15	11°46	21°55	11°41	25°20	0°36	7°41	13°22	0°46	0°27	0°26	29°14	28°50	T 12
F 13	4 5 2	0 ^Δ 8'49	14°54	13°11	23°10	12°23	25°34	0°40	7°43	13°21	0°45	0°27	0°23	29°21	28°49	F 13
S 14	4 8 59	1° 9'39	27°57	14°39	24°25	13° 4	25°47	0°45	7°45	13°19	0°45	0°25	0°20	29°28	28°48	S 14
S 15	4 12 55	2°10'29	11 ^Δ 30	16° 7	25°41	13°46	26° 0	0°50	7°46	13°18	0°44	0°21	0°17	29°34	28°47	S 15
M16	4 16 52	3°11'21	25°32	17°36	26°56	14°27	26°14	0°54	7°48	13°17	0°44	0°14	0°14	29°41	28°46	M16
T 17	4 20 49	4°12'15	10 ^m 4	19° 5	28°12	15° 9	26°27	0°59	7°50	13°16	0°44	0° 5	0°11	29°48	28°45	T 17
W18	4 24 45	5°13'10	24°59	20°35	29°28	15°50	26°40	1° 4	7°52	13°15	0°43	29 [≈] 53	0° 7	29°54	28°45	W18
T 19	4 28 42	6°14'06	10 ^Δ 10	22° 6	0 ^Δ 43	16°32	26°54	1° 9	7°54	13°13	0°43	29°41	0° 4	0 ^Σ 1	28°44	T 19
F 20	4 32 38	7°15'03	25°25	23°37	1°59	17°13	27° 7	1°14	7°56	13°12	0°42	29°30	0° 1	0° 8	28°43	F 20
S 21	4 36 35	8°16'01	10 ^Σ 33	25° 8	3°14	17°55	27°20	1°20	7°58	13°11	0°42	29°21	29 [≈] 58	0°15	28°43	S 21
S 22	4 40 31	9°17'00	25°25	26°40	4°30	18°37	27°33	1°25	8° 1	13° 9	0°42	29°15	29°55	0°21	28°42	S 22
M23	4 44 28	10°17'59	9 [≈] 55	28°12	5°45	19°19	27°47	1°30	8° 3	13° 8	0°41	29°12	29°52	0°28	28°42	M23
T 24	4 48 25	11°19'00	23°59	29°44	7° 1	20° 0	28° 0	1°35	8° 5	13° 7	0°41	29°D10	29°48	0°35	28°41	T 24
W25	4 52 21	12°20'00	7 [✠] 38	1 ^Δ 16	8°16	20°42	28°13	1°41	8° 7	13° 5	0°41	29°R10	29°45	0°41	28°41	W25
T 26	4 56 18	13°21'01	20°54	2°49	9°32	21°24	28°26	1°46	8°10	13° 4	0°41	29°10	29°42	0°48	28°41	T 26
F 27	5 0 14	14°22'03	3 ^Y 50	4°22	10°47	22° 6	28°40	1°52	8°12	13° 2	0°40	29° 9	29°39	0°55	28°41	F 27
S 28	5 4 11	15°23'05	16°29	5°54	12° 3	22°48	28°53	1°57	8°14	13° 1	0°40	29° 5	29°36	1° 2	28°40	S 28
S 29	5 8 7	16°24'08	28°55	7°27	13°18	23°30	29° 6	2° 3	8°17	13° 0	0°40	28°58	29°32	1° 8	28°40	S 29
M30	5 12 4	17 ^Δ 25'11	11 ^Σ 10	9 ^Δ 0	14 ^Δ 34	24 ^m 12	29 ^m 19	2 [≈] 9	8 [≈] 19	12 ^Σ 58	0 ^Y 40	28 [≈] 48	29 [≈] 29	1 ^Σ 15	28°D40	M30

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	17s14	11n 2	3n42	8s55	2n21	13s12	1n 6	12s33	0n25	17s48	0n45	20s52	0s39	19s 6	0s39	22n 1	0s47	15s13	17s 0	10s46	11s 8	28n 4	2n23	3n 0			
M 2	17 31	16 14	4 20	9 11	2 22	13 38	1 4	12 47	0 24	17 52	0 45	20 51	0 39	19 5	0 39	22 2	0 47	15 13	17 0	10 50	11 9	28 4	2 23	3 0			
T 3	17 48	20 42	4 46	9 30	2 22	14 3	1 2	13 1	0 24	17 55	0 45	20 50	0 39	19 5	0 39	22 2	0 47	15 13	17 0	10 55	11 10	28 3	2 22	3 0			
W 4	18 4	24 14	4 58	9 51	2 21	14 28	1 0	13 15	0 23	17 59	0 45	20 49	0 39	19 4	0 39	22 2	0 47	15 13	17 0	11 0	11 12	28 3	2 21	3 0			
T 5	18 19	26 40	4 57	10 15	2 19	14 53	0 59	13 29	0 23	18 2	0 45	20 48	0 39	19 4	0 39	22 2	0 47	15 13	16 59	11 5	11 13	28 3	2 20	3 0			
F 6	18 35	27 51	4 43	10 41	2 16	15 17	0 57	13 43	0 22	18 5	0 45	20 48	0 39	19 4	0 39	22 2	0 47	15 13	16 59	11 10	11 14	28 3	2 19	2 59			
S 7	18 50	27 45	4 16	11 9	2 13	15 41	0 55	13 57	0 21	18 9	0 45	20 47	0 39	19 3	0 39	22 2	0 47	15 13	16 59	11 14	11 15	28 2	2 19	2 59			
S 8	19 5	26 22	3 38	11 38	2 8	16 4	0 53	14 11	0 21	18 12	0 45	20 46	0 39	19 3	0 39	22 2	0 47	15 13	16 58	11 17	11 16	28 2	2 18	2 59			
M 9	19 19	23 48	2 51	12 8	2 4	16 27	0 51	14 25	0 20	18 15	0 45	20 45	0 39	19 2	0 39	22 2	0 47	15 13	16 58	11 19	11 17	28 1	2 17	2 59			
T 10	19 34	20 13	1 56	12 39	1 59	16 50	0 49	14 38	0 20	18 19	0 45	20 44	0 39	19 2	0 39	22 2	0 47	15 13	16 58	11 20	11 18	28 1	2 17	2 59			
W11	19 47	15 44	0 55	13 10	1 53	17 12	0 47	14 51	0 19	18 22	0 45	20 43	0 39	19 1	0 39	22 2	0 47	15 13	16 57	11 20	11 19	28 1	2 16	2 58			
T 12	20 1	10 33	0s10	13 42	1 47	17 34	0 45	15 5	0 19	18 25	0 45	20 42	0 39	19 1	0 39	22 2	0 47	15 12	16 57	11 20	11 21	28 0	2 15	2 58			
F 13	20 14	4 48	1 16	14 14	1 41	17 55	0 43	15 18	0 18	18 29	0 44	20 41	0 39	19 1	0 39	22 3	0 47	15 12	16 57	11 20	11 22	28 0	2 15	2 58			
S 14	20 26	1s19	2 20	14 46	1 34	18 16	0 40	15 31	0 18	18 32	0 44	20 40	0 39	19 0	0 39	22 3	0 47	15 12	16 57	11 21	11 23	28 0	2 14	2 58			
S 15	20 39	7 36	3 19	15 18	1 28	18 36	0 38	15 44	0 17	18 35	0 44	20 39	0 39	19 0	0 39	22 3	0 47	15 12	16 56	11 22	11 24	27 59	2 14	2 57			
M16	20 51	13 44	4 7	15 49	1 21	18 56	0 36	15 57	0 16	18 38	0 44	20 38	0 39	18 59	0 39	22 3	0 47	15 12	16 56	11 25	11 25	27 59	2 13	2 57			
T 17	21 2	19 20	4 42	16 21	1 14	19 15	0 34	16 10	0 16	18 41	0 44	20 37	0 39	18 58	0 39	22 3	0 47	15 12	16 56	11 28	11 26	27 58	2 13	2 57			
W18	21 13	23 53	4 59	16 52	1 7	19 34	0 32	16 22	0 15	18 44	0 44	20 36	0 39	18 58	0 39	22 3	0 47	15 12	16 55	11 32	11 27	27 58	2 12	2 57			
T 19	21 24	26 53	4 55	17 22	1 0	19 52	0 29	16 35	0 15	18 48	0 44	20 35	0 39	18 57	0 39	22 3	0 47	15 12	16 55	11 37	11 28	27 57	2 12	2 57			
F 20	21 34	27 55	4 30	17 52	0 53	20 10	0 27	16 47	0 14	18 51	0 44	20 34	0 39	18 57	0 39	22 3	0 47	15 12	16 55	11 40	11 30	27 57	2 11	2 56			
S 21	21 44	26 51	3 47	18 21	0 46	20 27	0 25	17 0	0 14	18 54	0 44	20 33	0 39	18 56	0 39	22 3	0 47	15 11	16 54	11 44	11 31	27 57	2 11	2 56			
S 22	21 54	23 52	2 48	18 50	0 39	20 43	0 22	17 12	0 13	18 57	0 44	20 32	0 39	18 56	0 39	22 4	0 47	15 11	16 54	11 46	11 32	27 56	2 10	2 56			
M23	22 3	19 25	1 40	19 18	0 31	20 59	0 20	17 24	0 12	19 0	0 44	20 30	0 39	18 55	0 38	22 4	0 47	15 11	16 54	11 47	11 33	27 56	2 10	2 56			
T 24	22 11	13 59	0 27	19 45	0 24	21 15	0 18	17 36	0 12	19 3	0 44	20 29	0 39	18 54	0 38	22 4	0 47	15 11	16 53	11 47	11 34	27 55	2 9	2 55			
W25	22 20	8 2	0n45	20 11	0 17	21 29	0 15	17 47	0 11	19 6	0 44	20 28	0 39	18 54	0 38	22 4	0 47	15 11	16 53	11 47	11 35	27 55	2 9	2 55			
T 26	22 27	1 54	1 52	20 37	0 10	21 43	0 13	17 59	0 11	19 9	0 44	20 27	0 39	18 53	0 38	22 4	0 47	15 10	16 53	11 47	11 36	27 54	2 9	2 55			
F 27	22 35	4n10	2 52	21 1	0 3	21 57	0 11	18 10	0 10	19 12	0 44	20 26	0 39	18 53	0 38	22 4	0 47	15 10	16 52	11 48	11 37	27 54	2 9	2 55			
S 28	22 42	9 55	3 43	21 25	0s 4	22 9	0 8	18 22	0 9	19 15	0 44	20 24	0 39	18 52	0 38	22 4	0 47	15 10	16 52	11 49	11 38	27 53	2 8	2 54			
S 29	22 48	15 11	4 21	21 47	0 11	22 21	0 6	18 33	0 9	19 18	0 44	20 23	0 39	18 51	0 38	22 4	0 47	15 10	16 51	11 52	11 40	27 53	2 8	2 54			
M30	22s54	19n46	4n47	22s 9	0s18	22s33	0n 3	18s44	0n 8	19s20	0n44	20s22	0s39	18s51	0s38	22n 5	0s47	15s 9	16s51	11s55	11s41	27n52	2n 8	2n54			

ASTRODIENST EPHEMERIS for the year 1579
geocentric

DECEMBER 1579 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	5 16 0	18°26'15	23°18	10°33	15°49	24°54	29°32	2°15	8°22	12°57	0°40	28°R36	29°26	1°22	28°40	T 1
W 2	5 19 57	19°27'19	5°120	12° 6	17° 5	25°36	29°45	2°20	8°24	12°55	0°40	28°23	29°23	1°28	28°40	W 2
T 3	5 23 54	20°28'24	17°16	13°40	18°20	26°18	29°58	2°26	8°27	12°54	0°40	28° 9	29°20	1°35	28°40	T 3
F 4	5 27 50	21°29'30	29° 9	15°13	19°36	27° 0	0°11	2°32	8°30	12°52	0°40	27°57	29°17	1°42	28°41	F 4
S 5	5 31 47	22°30'36	11°0	16°47	20°51	27°42	0°24	2°38	8°32	12°50	0°40	27°46	29°13	1°48	28°41	S 5
S 6	5 35 43	23°31'43	22°50	18°21	22° 7	28°25	0°37	2°44	8°35	12°49	0°40	27°37	29°10	1°55	28°41	S 6
M 7	5 39 40	24°32'50	4°42	19°55	23°22	29° 7	0°50	2°50	8°38	12°47	0°40	27°32	29° 7	2° 2	28°41	M 7
T 8	5 43 36	25°33'57	16°38	21°29	24°38	29°49	1° 2	2°57	8°40	12°46	0°40	27°29	29° 4	2° 9	28°42	T 8
W 9	5 47 33	26°35'06	28°43	23° 4	25°54	0°32	1°15	3° 3	8°43	12°44	0°40	27°D29	29° 1	2°15	28°42	W 9
T 10	5 51 29	27°36'15	11°0	24°38	27° 9	1°14	1°28	3° 9	8°46	12°42	0°40	27°29	28°58	2°22	28°43	T 10
F 11	5 55 26	28°37'24	23°35	26°13	28°25	1°56	1°41	3°15	8°49	12°41	0°40	27°R30	28°54	2°29	28°43	F 11
S 12	5 59 23	29°38'34	6°32	27°49	29°40	2°39	1°53	3°22	8°52	12°39	0°40	27°30	28°51	2°35	28°44	S 12
S 13	6 3 19	0°39'44	19°56	29°24	0°56	3°21	2° 6	3°28	8°55	12°38	0°40	27°28	28°48	2°42	28°45	S 13
M14	6 7 16	1°40'55	3°48	1°0	2°11	4° 4	2°18	3°34	8°58	12°36	0°40	27°24	28°45	2°49	28°45	M14
T 15	6 11 12	2°42'07	18°10	2°36	3°27	4°47	2°31	3°41	9° 1	12°34	0°41	27°17	28°42	2°55	28°46	T 15
W16	6 15 9	3°43'19	2°59	4°12	4°42	5°29	2°43	3°47	9° 3	12°33	0°41	27°10	28°38	3° 2	28°47	W16
T 17	6 19 5	4°44'31	18° 7	5°49	5°58	6°12	2°56	3°54	9° 7	12°31	0°41	27° 1	28°35	3° 9	28°48	T 17
F 18	6 23 2	5°45'43	3°26	7°26	7°13	6°55	3° 8	4° 0	9°10	12°29	0°41	26°53	28°32	3°16	28°49	F 18
S 19	6 26 58	6°46'56	18°44	9° 3	8°29	7°37	3°20	4° 7	9°13	12°27	0°42	26°46	28°29	3°22	28°50	S 19
S 20	6 30 55	7°48'08	3°50	10°41	9°44	8°20	3°33	4°14	9°16	12°26	0°42	26°42	28°26	3°29	28°51	S 20
M21	6 34 52	8°49'20	18°36	12°19	11° 0	9° 3	3°45	4°20	9°19	12°24	0°42	26°40	28°23	3°36	28°52	M21
T 22	6 38 48	9°50'31	2°55	13°58	12°15	9°46	3°57	4°27	9°22	12°22	0°43	26°D40	28°19	3°42	28°54	T 22
W23	6 42 45	10°51'42	16°46	15°37	13°31	10°29	4° 9	4°34	9°25	12°21	0°43	26°41	28°16	3°49	28°55	W23
T 24	6 46 41	11°52'53	0°11	17°16	14°46	11°12	4°21	4°41	9°28	12°19	0°43	26°42	28°13	3°56	28°56	T 24
F 25	6 50 38	12°54'03	13°10	18°55	16° 2	11°54	4°33	4°47	9°31	12°17	0°44	26°R42	28°10	4° 2	28°57	F 25
S 26	6 54 34	13°55'12	25°49	20°35	17°17	12°37	4°45	4°54	9°35	12°16	0°44	26°42	28° 7	4° 9	28°59	S 26
S 27	6 58 31	14°56'21	8°11	22°15	18°32	13°21	4°56	5° 1	9°38	12°14	0°45	26°39	28° 4	4°16	29° 0	S 27
M28	7 2 27	15°57'30	20°20	23°56	19°48	14° 4	5° 8	5° 8	9°41	12°12	0°45	26°34	28° 0	4°23	29° 2	M28
T 29	7 6 24	16°58'37	2°10	25°37	21° 3	14°47	5°20	5°15	9°44	12°10	0°46	26°28	27°57	4°29	29° 3	T 29
W30	7 10 21	17°59'45	14°15	27°17	22°19	15°30	5°31	5°22	9°48	12° 9	0°46	26°21	27°54	4°36	29° 5	W30
T 31	7 14 17	19°0'51	26°11	28°38	23°34	16°13	5°43	5°29	9°51	12°0	0°47	26°13	27°51	4°43	29° 7	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	22s59	23n28	5n 0	22s29	0s24	22s43	0n 1	18s55	0n 8	19s23	0n44	20s21	0s39	18s50	0s38	22n 5
W 2	23 5	26 8	4 59	22 48	0 31	22 53	0s 1	19 6	0 7	19 26	0 44	20 19	0 39	18 49	0 38	22 5
T 3	23 9	27 37	4 45	23 7	0 37	23 3	0 4	19 16	0 6	19 29	0 44	20 18	0 39	18 49	0 38	22 5
F 4	23 13	27 48	4 18	23 24	0 44	23 11	0 6	19 27	0 6	19 32	0 44	20 17	0 39	18 48	0 38	22 5
S 5	23 17	26 42	3 41	23 40	0 50	23 19	0 9	19 37	0 5	19 34	0 44	20 15	0 39	18 47	0 38	22 5
S 6	23 20	24 24	2 53	23 54	0 56	23 27	0 11	19 47	0 4	19 37	0 43	20 14	0 39	18 46	0 38	22 6
M 7	23 23	21 3	1 58	24 8	1 1	23 33	0 13	19 57	0 4	19 40	0 43	20 13	0 39	18 46	0 38	22 6
T 8	23 25	16 48	0 58	24 20	1 7	23 39	0 16	20 6	0 3	19 42	0 43	20 11	0 39	18 45	0 38	22 6
W 9	23 27	11 51	0s 7	24 31	1 13	23 44	0 18	20 16	0 3	19 45	0 43	20 10	0 39	18 44	0 38	22 6
T 10	23 28	6 21	1 12	24 41	1 18	23 48	0 20	20 25	0 2	19 48	0 43	20 8	0 40	18 43	0 38	22 6
F 11	23 29	0 29	2 15	24 49	1 23	23 52	0 23	20 35	0 1	19 50	0 43	20 7	0 40	18 43	0 38	22 6
S 12	23 30	5s34	3 13	24 56	1 28	23 55	0 25	20 44	0 1	19 53	0 43	20 6	0 40	18 42	0 38	22 6
S 13	23 30	11 33	4 3	25 2	1 32	23 57	0 27	20 53	0s 0	19 55	0 43	20 4	0 40	18 41	0 38	22 7
M14	23 29	17 12	4 41	25 6	1 37	23 58	0 30	21 1	0 1	19 58	0 43	20 3	0 40	18 40	0 38	22 7
T 15	23 28	22 7	5 2	25 9	1 41	23 59	0 32	21 10	0 1	20 0	0 43	20 1	0 40	18 40	0 38	22 7
W16	23 27	25 47	5 4	25 11	1 45	23 59	0 34	21 18	0 2	20 3	0 43	20 0	0 40	18 39	0 38	22 7
T 17	23 25	27 42	4 46	25 10	1 48	23 58	0 36	21 26	0 3	20 5	0 43	19 58	0 40	18 38	0 38	22 7
F 18	23 22	27 33	4 6	25 9	1 52	23 56	0 38	21 34	0 3	20 8	0 43	19 57	0 40	18 37	0 38	22 7
S 19	23 19	25 19	3 10	25 6	1 55	23 54	0 41	21 42	0 4	20 10	0 43	19 55	0 40	18 36	0 38	22 8
S 20	23 16	21 17	2 0	25 1	1 58	23 51	0 43	21 49	0 5	20 12	0 43	19 54	0 40	18 35	0 38	22 8
M21	23 12	15 59	0 43	24 55	2 0	23 47	0 45	21 57	0 5	20 15	0 43	19 52	0 40	18 35	0 38	22 8
T 22	23 8	9 56	0n34	24 47	2 2	23 42	0 47	22 4	0 6	20 17	0 43	19 50	0 40	18 34	0 38	22 8
W23	23 3	3 36	1 47	24 38	2 4	23 37	0 49	22 11	0 7	20 19	0 43	19 49	0 40	18 33	0 38	22 8
T 24	22 58	2n41	2 51	24 27	2 5	23 31	0 51	22 18	0 7	20 21	0 43	19 47	0 40	18 32	0 38	22 8
F 25	22 52	8 40	3 45	24 14	2 6	23 24	0 53	22 24	0 8	20 23	0 43	19 46	0 40	18 31	0 38	22 9
S 26	22 46	14 7	4 26	24 0	2 7	23 17	0 55	22 30	0 9	20 26	0 43	19 44	0 40	18 30	0 38	22 9
S 27	22 39	18 53	4 54	23 44	2 7	23 8	0 56	22 37	0 9	20 28	0 43	19 42	0 40	18 29	0 38	22 9
M28	22 32	22 48	5 8	23 27	2 6	22 59	0 58	22 43	0 10	20 30	0 43	19 41	0 40	18 29	0 38	22 9
T 29	22 25	25 42	5 8	23 8	2 5	22 50	1 0	22 48	0 11	20 32	0 43	19 39	0 40	18 28	0 38	22 9
W30	22 17	27 26	4 55	22 47	2 4	22 40	1 2	22 54	0 11	20 34	0 43	19 38	0 40	18 27	0 38	22 9
T 31	22s 9	27n55	4n29	22s24	2s 2	22s29	1s 3	22s59	0s12	20s36	0n43	19s36	0s40	18s26	0s38	22n10

Julian Day Number = 2298121.5, Delta T = 120.15 sec

Ecliptic obliquity = 23°29'45", Nutation = 0°00'08", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°52'41", Lahiri = 17°59'42" Julian Calendar 1 Dec. 1579 == Greg. Calendar 11 Dec. 1579