



Astrodienst Ephemeris Tables for the year 1676

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 1676
geocentric

JANUARY 1676 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	6 41 45	10°32'41	8°53'	17°51'	20°23'	20°19'	3°8'	5°R 5	26°25'	10°37'	7°R38	1°R56	1°32'	10°8' 2	28°11' 5	W 1
T 2	6 45 42	11°33'50	21°35'	18°59'	21°38'	21° 3	3°22'	5°B 5	26°27'	10°39'	7°B37	1°B55	1°29'	10° 9	28° 7	T 2
F 3	6 49 38	12°34'59	4°13'0	20° 9	22°53'	21°47'	3°36'	5° 4	26°28'	10°41'	7°36'	1°54'	1°26'	10°16'	28° 8	F 3
S 4	6 53 35	13°36'07	17°39'	21°21'	24° 9	22°31'	3°49'	5° 4	26°30'	10°43'	7°34'	1°53'	1°23'	10°22'	28° 9	S 4
S 5	6 57 31	14°37'16	1°11' 1	22°35'	25°24'	23°16'	4° 3	5° 4	26°31'	10°45'	7°33'	1°51'	1°20'	10°29'	28°11'	S 5
M 6	7 1 128	15°38'25	14°36'	23°51'	26°39'	24° 0	4°17'	5°D 3	26°33'	10°47'	7°32'	1°49'	1°17'	10°36'	28°12'	M 6
T 7	7 5 25	16°39'33	28°22'	25° 8	27°55'	24°44'	4°31'	5° 3	26°34'	10°49'	7°31'	1°48'	1°13'	10°42'	28°14'	T 7
W 8	7 9 21	17°40'41	12°19'	26°27'	29°10'	25°29'	4°44'	5° 4	26°36'	10°51'	7°30'	1°D47	1°10'	10°49'	28°16'	W 8
T 9	7 13 18	18°41'50	26°25'	27°47'	0°25'	26°13'	4°58'	5° 4	26°38'	10°54'	7°28'	1°47'	1° 7	10°56'	28°17'	T 9
F 10	7 17 14	19°42'58	10°14'0	29° 8	1°40'	26°57'	5°12'	5° 4	26°39'	10°56'	7°27'	1°48'	1° 4	11° 2	28°19'	F 10
S 11	7 21 11	20°44'06	25° 0	0°30'	2°56'	27°42'	5°25'	5° 5	26°41'	10°58'	7°26'	1°49'	1° 1	11° 9	28°21'	S 11
S 12	7 25 7	21°45'14	9°22'	1°53'	4°11'	28°27'	5°39'	5° 5	26°43'	11° 0	7°25'	1°51'	0°57'	11°16'	28°23'	S 12
M13	7 29 4	22°46'22	23°44'	3°17'	5°26'	29°11'	5°53'	5° 6	26°45'	11° 2	7°23'	1°52'	0°54'	11°23'	28°25'	M13
T 14	7 33 0	23°47'29	8°30'	4°42'	6°42'	29°56'	6° 6	5° 7	26°47'	11° 4	7°22'	1°R52	0°51'	11°29'	28°27'	T 14
W15	7 36 57	24°48'36	22° 6	6° 8	7°57'	0°34'0	6°20'	5° 8	26°49'	11° 7	7°21'	1°51'	0°48'	11°36'	28°29'	W15
T 16	7 40 54	25°49'42	5°55'7	7°34'	9°12'	1°25'	6°33'	5° 9	26°51'	11° 9	7°20'	1°48'	0°45'	11°43'	28°31'	T 16
F 17	7 44 50	26°50'48	19°30'	9° 2	10°27'	2°10'	6°47'	5°10'	26°53'	11°11'	7°19'	1°45'	0°42'	11°49'	28°33'	F 17
S 18	7 48 47	27°51'52	2°43'	10°30'	11°42'	2°55'	7° 0	5°11'	26°55'	11°13'	7°18'	1°40'	0°38'	11°56'	28°35'	S 18
S 19	7 52 43	28°52'55	15°35'	11°59'	12°58'	3°40'	7°13'	5°12'	26°57'	11°16'	7°16'	1°36'	0°35'	12° 3	28°37'	S 19
M20	7 56 40	29°53'58	28° 7	13°28'	14°13'	4°24'	7°27'	5°14'	26°59'	11°18'	7°15'	1°32'	0°32'	12° 9	28°39'	M20
T 21	8 0 36	0°54'59	10°23'	14°58'	15°28'	5° 9	7°40'	5°15'	27° 1	11°20'	7°14'	1°29'	0°29'	12°16'	28°41'	T 21
W22	8 4 33	1°55'59	22°26'	16°29'	16°43'	5°54'	7°53'	5°17'	27° 4	11°22'	7°13'	1°27'	0°26'	12°23'	28°44'	W22
T 23	8 8 29	2°56'59	4°13'0	18° 1	17°58'	6°39'	8° 7	5°19'	27° 6	11°25'	7°12'	1°D26	0°23'	12°29'	28°46'	T 23
F 24	8 12 26	3°57'57	16°10'	19°33'	19°13'	7°24'	8°20'	5°21'	27° 8	11°27'	7°11'	1°27'	0°19'	12°36'	28°48'	F 24
S 25	8 16 23	4°58'53	28° 2	21° 6	20°28'	8° 9	8°33'	5°23'	27°11'	11°29'	7°10'	1°29'	0°16'	12°43'	28°51'	S 25
S 26	8 20 19	5°59'49	10°11' 0	22°39'	21°43'	8°54'	8°46'	5°25'	27°13'	11°31'	7° 9	1°31'	0°13'	12°50'	28°53'	S 26
M27	8 24 16	7° 0'43	22° 8	24°14'	22°58'	9°39'	8°59'	5°27'	27°16'	11°34'	7° 8	1°32'	0°10'	12°56'	28°56'	M27
T 28	8 28 12	8° 1'36	4°31'2	25°48'	24°13'	10°24'	9°12'	5°30'	27°18'	11°36'	7° 7	1°R32	0° 7	13° 3	28°58'	T 28
W29	8 32 9	9° 2'28	17°12'	27°24'	25°28'	11°10'	9°25'	5°32'	27°21'	11°38'	7° 5	1°31'	0° 3	13°10'	29° 1	W29
T 30	8 36 5	10° 3'19	0°11'1	29° 0	26°43'	11°55'	9°38'	5°35'	27°23'	11°40'	7° 4	1°28'	0° 0	13°16'	29° 4	T 30
F 31	8 40 2	11° 4'08	13°13'0	0°38'8	27°58'	12°34'0	9°51'	5°37'	27°26'	11°43'	7° 3	1°B23	29°57'	13°23'	29°11' 6	F 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
W 1	23s 4	22n33	0s39	21s22	1n34	23s 3	1s 8	23s32	0s24	23s20	0n 6	10n54	2s29	2s 6	0s44	17s42
T 2	22 59	19 59	1 47	21 36	1 25	22 53	1 9	23 35	0 25	23 20	0 6	10 54	2 28	2 5	0 44	17 42
F 3	22 53	16 24	2 51	21 51	1 17	22 42	1 11	23 39	0 25	23 20	0 6	10 54	2 28	2 5	0 44	17 41
S 4	22 47	11 58	3 47	22 4	1 8	22 31	1 12	23 42	0 26	23 20	0 6	10 55	2 28	2 4	0 44	17 41
S 5	22 41	6 54	4 32	22 17	0 59	22 18	1 14	23 45	0 27	23 19	0 6	10 55	2 27	2 3	0 44	17 40
M 6	22 34	1 26	5 2	22 30	0 50	22 6	1 15	23 48	0 27	23 19	0 6	10 55	2 27	2 3	0 44	17 39
T 7	22 26	4s10	5 16	22 42	0 42	21 52	1 17	23 50	0 28	23 19	0 6	10 55	2 27	2 2	0 44	17 39
W 8	22 19	9 38	5 11	22 53	0 33	21 38	1 18	23 53	0 28	23 18	0 6	10 56	2 27	2 1	0 44	17 38
T 9	22 10	14 40	4 48	23 3	0 25	21 23	1 19	23 55	0 29	23 18	0 6	10 56	2 26	2 1	0 44	17 38
F 10	22 2	18 57	4 6	23 12	0 17	21 8	1 20	23 57	0 30	23 17	0 5	10 56	2 26	2 0	0 44	17 37
S 11	21 53	22 7	3 10	23 20	0 8	20 52	1 21	23 58	0 30	23 17	0 5	10 57	2 26	1 59	0 43	17 37
S 12	21 43	23 53	2 1	23 28	0 1	20 35	1 23	23 59	0 31	23 16	0 5	10 57	2 25	1 58	0 43	17 36
M13	21 33	24 5	0 45	23 34	0s 7	20 18	1 24	24 0	0 32	23 16	0 5	10 58	2 25	1 58	0 43	17 35
T 14	21 23	22 41	0n34	23 39	0 15	20 0	1 24	24 1	0 32	23 15	0 5	10 58	2 25	1 57	0 43	17 35
W15	21 12	19 52	1 49	23 43	0 22	19 41	1 25	24 2	0 33	23 15	0 5	10 59	2 24	1 56	0 43	17 34
T 16	21 1	15 58	2 57	23 45	0 30	19 22	1 26	24 2	0 34	23 14	0 5	11 0	2 24	1 55	0 43	17 34
F 17	20 49	11 19	3 53	23 47	0 37	19 3	1 27	24 2	0 34	23 14	0 5	11 0	2 24	1 54	0 43	17 33
S 18	20 38	6 15	4 35	23 47	0 43	18 43	1 28	24 2	0 35	23 13	0 5	11 1	2 24	1 53	0 43	17 32
S 19	20 25	1 4	5 1	23 46	0 50	18 22	1 28	24 1	0 36	23 12	0 5	11 2	2 23	1 52	0 43	17 32
M20	20 12	4n 2	5 13	23 44	0 56	18 1	1 29	24 1	0 36	23 12	0 4	11 3	2 23	1 52	0 43	17 31
T 21	19 59	8 52	5 10	23 41	1 3	17 39	1 29	24 0	0 37	23 11	0 4	11 3	2 23	1 51	0 43	17 31
W22	19 46	13 16	4 53	23 36	1 9	17 17	1 30	23 58	0 37	23 10	0 4	11 4	2 22	1 50	0 43	17 30
T 23	19 32	17 7	4 23	23 30	1 14	16 54	1 30	23 57	0 38	23 10	0 4	11 5	2 22	1 49	0 43	17 29
F 24	19 18	20 16	3 43	23 22	1 20	16 31	1 31	23 55	0 39	23 9	0 4	11 6	2 22	1 48	0 43	17 29
S 25	19 3	22 34	2 53	23 13	1 25	16 8	1 31	23 53	0 39	23 8	0 4	11 7	2 21	1 47	0 43	17 28
S 26	18 48	23 53	1 55	23 3	1 30	15 44	1 31	23 51	0 40	23 8	0 4	11 8	2 21	1 46	0 43	17 28
M27	18 33	24 6	0 51	22 51	1 34	15 19	1 31	23 48	0 41	23 7	0 4	11 9	2 21	1 45	0 43	17 27
T 28	18 18	23 8	0s16	22 38	1 39	14 54	1 31	23 46	0 41	23 6	0 4	11 10	2 21	1 44	0 43	17 26
W29	18 2	20 59	1 24	22 24	1 43	14 29	1 31	23 42	0 42	23 5	0 4	11 11	2 20	1 43	0 43	17 26
T 30	17 45	17 43	2 29	22 8	1 47	14 3	1 31	23 39	0 43	23 4	0 4	11 12	2 20	1 42	0 43	17 25
F 31	17s29	13n29	3s28	21s51	1s50	13s37	1s31	23s36	0s43	23s 3	0n 3	11n13	2s20	1s41	0s43	17s24

Julian Day Number = 2333206.5, Delta T = 26.01 sec
Ecliptic obliquity = 23°28'53", Nutation = 0°00'18", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 20°13'04", Lahiri = 19°20'04"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1676
geocentric

FEBRUARY 1676 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	8 43 59	12♈ 4'56	27♏ 5	2♈15	29♈13	13♏25	10♏ 4	5♏40	27♏28	11♈45	7°R 2	1°R17	29♏54	13♏30	29♏ 9	S 1
S 2	8 47 55	13° 5'43	10♏56	3°54	0♏28	14°11	10°17	5°43	27°31	11°47	7° 1	1° 9	29°51	13°36	29°12	S 2
M 3	8 51 52	14° 6'29	24°57	5°33	1°43	14°56	10°29	5°46	27°34	11°50	7° 1	1° 2	29°48	13°43	29°15	M 3
T 4	8 55 48	15° 7'14	9♏ 5	7°13	2°58	15°41	10°42	5°49	27°36	11°52	7° 0	0°57	29°44	13°50	29°17	T 4
W 5	8 59 45	16° 7'57	23°16	8°54	4°13	16°27	10°55	5°52	27°39	11°54	6°59	0°52	29°41	13°56	29°20	W 5
T 6	9 3 41	17° 8'40	7♏26	10°36	5°28	17°12	11° 7	5°55	27°42	11°56	6°58	0°50	29°38	14° 3	29°23	T 6
F 7	9 7 38	18° 9'22	21°35	12°19	6°42	17°58	11°20	5°59	27°45	11°59	6°57	0°D50	29°35	14°10	29°26	F 7
S 8	9 11 34	19°10'02	5♏40	14° 2	7°57	18°43	11°32	6° 2	27°48	12° 1	6°56	0°50	29°32	14°16	29°29	S 8
S 9	9 15 31	20°10'42	19°40	15°46	9°12	19°29	11°44	6° 6	27°50	12° 3	6°55	0°52	29°29	14°23	29°32	S 9
M10	9 19 28	21°11'20	3♏35	17°32	10°27	20°14	11°57	6° 9	27°53	12° 5	6°54	0°R52	29°25	14°30	29°35	M10
T 11	9 23 24	22°11'57	17°22	19°18	11°41	21° 0	12° 9	6°13	27°56	12° 8	6°53	0°51	29°22	14°37	29°38	T 11
W12	9 27 21	23°12'33	1♈ 1	21° 4	12°56	21°45	12°21	6°17	27°59	12°10	6°53	0°47	29°19	14°43	29°41	W12
T 13	9 31 17	24°13'07	14°29	22°52	14°11	22°31	12°33	6°21	28° 2	12°12	6°52	0°41	29°16	14°50	29°44	T 13
F 14	9 35 14	25°13'40	27°44	24°41	15°25	23°17	12°45	6°25	28° 5	12°14	6°51	0°32	29°13	14°57	29°47	F 14
S 15	9 39 10	26°14'11	10♏44	26°30	16°40	24° 2	12°57	6°29	28° 8	12°17	6°50	0°22	29° 9	15° 3	29°51	S 15
S 16	9 43 7	27°14'40	23°29	28°21	17°54	24°48	13° 9	6°33	28°11	12°19	6°49	0°11	29° 6	15°10	29°54	S 16
M17	9 47 3	28°15'08	5♏58	0♏12	19° 9	25°34	13°21	6°38	28°14	12°21	6°49	0° 1	29° 3	15°17	29°57	M17
T 18	9 51 0	29°15'34	18°12	2° 3	20°23	26°20	13°32	6°42	28°17	12°23	6°48	29♏52	29° 0	15°23	0°Y 0	T 18
W19	9 54 56	0♏15'58	0♏14	3°56	21°38	27° 5	13°44	6°46	28°20	12°26	6°47	29°45	28°57	15°30	0° 3	W19
T 20	9 58 53	1°16'20	12° 8	5°49	22°52	27°51	13°55	6°51	28°24	12°28	6°47	29°41	28°54	15°37	0° 7	T 20
F 21	10 2 50	2°16'40	23°57	7°43	24° 7	28°37	14° 7	6°56	28°27	12°30	6°46	29°38	28°50	15°43	0°10	F 21
S 22	10 6 46	3°16'58	5♏47	9°37	25°21	29°23	14°18	7° 0	28°30	12°32	6°45	29°D38	28°47	15°50	0°13	S 22
S 23	10 10 43	4°17'14	17°44	11°31	26°35	0♈ 9	14°30	7° 5	28°33	12°34	6°45	29°39	28°44	15°57	0°17	S 23
M24	10 14 39	5°17'29	29°52	13°25	27°50	0°55	14°41	7°10	28°36	12°36	6°44	29°R39	28°41	16° 3	0°20	M24
T 25	10 18 36	6°17'41	12♏18	15°20	29° 4	1°41	14°52	7°15	28°39	12°38	6°44	29°38	28°38	16°10	0°24	T 25
W26	10 22 32	7°17'51	25° 4	17°14	0°Y18	2°27	15° 3	7°20	28°43	12°41	6°43	29°35	28°35	16°17	0°27	W26
T 27	10 26 29	8°17'59	8♏14	19° 7	1°32	3°13	15°14	7°25	28°46	12°43	6°43	29°30	28°31	16°23	0°30	T 27
F 28	10 30 25	9°18'05	21°48	20°59	2°46	3°59	15°25	7°30	28°49	12°45	6°42	29°22	28°28	16°30	0°34	F 28
S 29	10 34 22	10♏18'09	5♏46	22♏50	4°Y 1	4♈45	15♏35	7♏36	28♏53	12♈47	6♏42	29♏12	28♏25	16♏37	0°Y37	S 29

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	17s12	8n29	4s16	21s32	1s53	13s11	1s31	23s32	0s44	23s 3	0n 3	11n14	2s19	1s40	0s43	17s24	0s 6
S 2	16 55	3 0	4 50	21 11	1 56	12 44	1 31	23 28	0 44	23 2	0 3	11 16	2 19	1 39	0 43	17 23	0 6
M 3	16 37	2s41	5 7	20 50	1 58	12 17	1 30	23 23	0 45	23 1	0 3	11 17	2 19	1 38	0 43	17 23	0 6
T 4	16 20	8 17	5 6	20 26	2 1	11 50	1 30	23 19	0 46	23 0	0 3	11 18	2 19	1 36	0 43	17 22	0 6
W 5	16 2	13 28	4 46	20 2	2 2	11 22	1 29	23 14	0 46	22 59	0 3	11 20	2 18	1 35	0 43	17 21	0 6
T 6	15 43	17 56	4 8	19 35	2 4	10 54	1 29	23 9	0 47	22 58	0 3	11 21	2 18	1 34	0 43	17 21	0 6
F 7	15 25	21 20	3 16	19 8	2 4	10 26	1 28	23 4	0 48	22 57	0 3	11 22	2 18	1 33	0 43	17 20	0 7
S 8	15 6	23 27	2 12	18 38	2 5	9 57	1 27	22 58	0 48	22 56	0 3	11 24	2 17	1 32	0 43	17 19	0 7
S 9	14 47	24 5	1 0	18 8	2 5	9 28	1 27	22 52	0 49	22 55	0 3	11 25	2 17	1 31	0 43	17 19	0 7
M10	14 28	23 11	0n15	17 35	2 5	8 59	1 26	22 46	0 49	22 54	0 3	11 27	2 17	1 30	0 43	17 18	0 7
T 11	14 8	20 54	1 28	17 2	2 4	8 30	1 25	22 40	0 50	22 53	0 2	11 28	2 17	1 28	0 43	17 18	0 7
W12	13 48	17 27	2 35	16 26	2 3	8 0	1 24	22 33	0 51	22 52	0 2	11 30	2 16	1 27	0 43	17 17	0 7
T 13	13 28	13 8	3 32	15 49	2 1	7 31	1 23	22 26	0 51	22 51	0 2	11 31	2 16	1 26	0 42	17 16	0 7
F 14	13 8	8 16	4 17	15 11	1 59	7 1	1 22	22 19	0 52	22 50	0 2	11 33	2 16	1 25	0 42	17 16	0 7
S 15	12 48	3 7	4 47	14 31	1 56	6 31	1 21	22 12	0 52	22 49	0 2	11 34	2 16	1 24	0 42	17 15	0 7
S 16	12 27	2n 2	5 3	13 50	1 53	6 0	1 19	22 4	0 53	22 48	0 2	11 36	2 15	1 22	0 42	17 14	0 7
M17	12 6	7 0	5 3	13 8	1 49	5 30	1 18	21 57	0 54	22 47	0 2	11 38	2 15	1 21	0 42	17 14	0 7
T 18	11 45	11 36	4 49	12 24	1 45	4 59	1 17	21 49	0 54	22 46	0 2	11 39	2 15	1 20	0 42	17 13	0 7
W19	11 24	15 40	4 23	11 38	1 40	4 29	1 15	21 40	0 55	22 45	0 2	11 41	2 15	1 19	0 42	17 13	0 7
T 20	11 2	19 5	3 46	10 51	1 35	3 58	1 14	21 32	0 55	22 44	0 2	11 43	2 14	1 17	0 42	17 12	0 7
F 21	10 41	21 41	2 59	10 4	1 28	3 27	1 12	21 23	0 56	22 42	0 1	11 44	2 14	1 16	0 42	17 11	0 7
S 22	10 19	23 20	2 4	9 14	1 22	2 56	1 11	21 14	0 57	22 41	0 1	11 46	2 14	1 15	0 42	17 11	0 7
S 23	9 57	23 58	1 3	8 24	1 14	2 25	1 9	21 5	0 57	22 40	0 1	11 48	2 14	1 13	0 42	17 10	0 7
M24	9 35	23 28	0s 1	7 33	1 6	1 54	1 7	20 56	0 58	22 39	0 1	11 50	2 13	1 12	0 42	17 10	0 7
T 25	9 13	21 48	1 7	6 41	0 58	1 22	1 5	20 46	0 58	22 38	0 1	11 52	2 13	1 11	0 42	17 9	0 7
W26	8 51	19 1	2 11	5 48	0 49	0 51	1 4	20 36	0 59	22 37	0 1	11 53	2 13	1 10	0 42	17 8	0 7
T 27	8 28	15 11	3 10	4 55	0 39	0 20	1 2	20 26	0 59	22 36	0 1	11 55	2 13	1 8	0 42	17 8	0 7
F 28	8 6	10 29	4 0	4 1	0 29	0n12	1 0	20 16	1 0	22 35	0 1	11 57	2 12	1 7	0 42	17 7	0 7
S 29	7s43	5n 7	4s37	3s 7	0s18	0n43	0s58	20s 5	1s 1	22s34	0n 1	11n59	2s12	1s 6	0s42	17s 7	0s 7

Julian Day Number = 2333237.5, Delta T = 25.96 sec
Ecliptic obliquity = 23°28'53", Nutation = 0°00'19", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 20°13'08", Lahiri = 19°20'08"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1676

geocentric

MARCH 1676 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	10 38 19	11°18'11"	20°12'2"	24°40'	5°15'	5°31'	15°34'	7°41'	28°56'	12°49'	6°41'	29°R 1	28°22'	16°43'	0°41'	S 1
M 2	10 42 15	12°18'11"	4°32'	26°27'	6°29'	6°17'	15°56'	7°47'	28°59'	12°51'	6°41'	28°49'	28°19'	16°50'	0°44'	M 2
T 3	10 46 12	13°18'09"	19°8'	28°12'	7°43'	7°3'	16°7'	7°52'	29°2'	12°53'	6°40'	28°39'	28°15'	16°57'	0°48'	T 3
W 4	10 50 8	14°18'06"	3°44'	29°53'	8°56'	7°49'	16°17'	7°58'	29°6'	12°55'	6°40'	28°32'	28°12'	17°3'	0°51'	W 4
T 5	10 54 5	15°18'01"	18°12'	1°31'	10°10'	8°35'	16°27'	8°3'	29°9'	12°57'	6°40'	28°27'	28°9'	17°10'	0°55'	T 5
F 6	10 58 1	16°17'55"	2°29'	3°5'	11°24'	9°21'	16°38'	8°9'	29°13'	12°59'	6°39'	28°24'	28°6'	17°17'	0°59'	F 6
S 7	11 1 58	17°17'47"	16°34'	4°35'	12°38'	10°7'	16°48'	8°15'	29°16'	13°1'	6°39'	28°D24	28°3'	17°24'	1°2'	S 7
S 8	11 5 54	18°17'37"	0°25'	5°59'	13°52'	10°53'	16°58'	8°21'	29°19'	13°3'	6°39'	28°R24	28°0'	17°30'	1°6'	S 8
M 9	11 9 51	19°17'25"	14°3'	7°18'	15°5'	11°40'	17°7'	8°26'	29°23'	13°5'	6°38'	28°23'	27°56'	17°37'	1°9'	M 9
T 10	11 13 48	20°17'12"	27°30'	8°30'	16°19'	12°26'	17°17'	8°32'	29°26'	13°7'	6°38'	28°21'	27°53'	17°44'	1°13'	T 10
W 11	11 17 44	21°16'57"	10°45'	9°37'	17°33'	13°12'	17°27'	8°39'	29°29'	13°9'	6°38'	28°15'	27°50'	17°50'	1°17'	W 11
T 12	11 21 41	22°16'40"	23°49'	10°36'	18°46'	13°58'	17°36'	8°45'	29°33'	13°11'	6°38'	28°7'	27°47'	17°57'	1°20'	T 12
F 13	11 25 37	23°16'22"	6°43'	11°28'	20°0'	14°44'	17°45'	8°51'	29°36'	13°12'	6°38'	27°56'	27°44'	18°4'	1°24'	F 13
S 14	11 29 34	24°16'01"	19°24'	12°12'	21°13'	15°31'	17°55'	8°57'	29°40'	13°14'	6°37'	27°42'	27°40'	18°10'	1°27'	S 14
S 15	11 33 30	25°15'38"	1°55'	12°49'	22°27'	16°17'	18°4'	9°3'	29°43'	13°16'	6°37'	27°28'	27°37'	18°17'	1°31'	S 15
M 16	11 37 27	26°15'13"	14°13'	13°18'	23°40'	17°3'	18°13'	9°10'	29°47'	13°18'	6°37'	27°15'	27°34'	18°24'	1°35'	M 16
T 17	11 41 23	27°14'46"	26°21'	13°39'	24°54'	17°49'	18°21'	9°16'	29°50'	13°20'	6°37'	27°2'	27°31'	18°30'	1°38'	T 17
W 18	11 45 20	28°14'17"	8°19'	13°51'	26°7'	18°36'	18°30'	9°22'	29°53'	13°21'	6°37'	26°52'	27°28'	18°37'	1°42'	W 18
T 19	11 49 17	29°13'46"	20°10'	13°R56	27°20'	19°22'	18°39'	9°29'	29°57'	13°23'	6°37'	26°45'	27°25'	18°44'	1°46'	T 19
F 20	11 53 13	0°13'12"	1°58'	13°53'	28°33'	20°8'	18°47'	9°36'	0°0'	13°25'	6°D37	26°41'	27°21'	18°50'	1°49'	F 20
S 21	11 57 10	1°12'37"	13°47'	13°43'	29°46'	20°55'	18°56'	9°42'	0°4'	13°27'	6°37'	26°39'	27°18'	18°57'	1°53'	S 21
S 22	12 1 6	2°11'59"	25°42'	13°26'	1°0'	21°41'	19°4'	9°49'	0°7'	13°28'	6°37'	26°39'	27°15'	19°4'	1°57'	S 22
M 23	12 5 3	3°11'18"	7°34'	13°2'	2°13'	22°27'	19°12'	9°56'	0°11'	13°30'	6°37'	26°39'	27°12'	19°10'	2°0'	M 23
T 24	12 8 59	4°10'36"	20°11'	12°32'	3°26'	23°13'	19°20'	10°2'	0°14'	13°32'	6°37'	26°38'	27°9'	19°17'	2°4'	T 24
W 25	12 12 56	5°9'51"	2°56'	11°57'	4°38'	24°0'	19°28'	10°9'	0°17'	13°33'	6°37'	26°35'	27°6'	19°24'	2°8'	W 25
T 26	12 16 52	6°9'03"	16°7'	11°17'	5°51'	24°46'	19°35'	10°16'	0°21'	13°35'	6°37'	26°30'	27°2'	19°30'	2°11'	T 26
F 27	12 20 49	7°8'13"	29°46'	10°33'	7°4'	25°32'	19°43'	10°23'	0°24'	13°36'	6°38'	26°23'	26°59'	19°37'	2°15'	F 27
S 28	12 24 46	8°7'21"	13°53'	9°47'	8°17'	26°19'	19°50'	10°30'	0°28'	13°38'	6°38'	26°13'	26°56'	19°44'	2°19'	S 28
S 29	12 28 42	9°6'27"	28°25'	8°59'	9°29'	27°5'	19°57'	10°37'	0°31'	13°39'	6°38'	26°2'	26°53'	19°50'	2°22'	S 29
M 30	12 32 39	10°5'31"	13°16'	8°10'	10°42'	27°51'	20°5'	10°44'	0°34'	13°41'	6°38'	25°51'	26°50'	19°57'	2°26'	M 30
T 31	12 36 35	11°0'43"	28°15'	7°22'	11°55'	28°38'	20°31'	10°51'	0°38'	13°42'	6°39'	25°41'	26°46'	20°4'	2°30'	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	7s20	0s37	4s58	2s13	0s 6	1n14	0s56	19s55	1s 1	22s32	0n 1	12n 1	2s12	1s 4	0s42	17s 6
M 2	6 57	6 24	5 0	1 20	0n 6	1 46	0 53	19 44	1 2	22 31	0 0	12 3	2 12	1 3	0 42	17 6
T 3	6 34	11 52	4 43	0 27	0 18	2 17	0 51	19 33	1 2	22 30	0 0	12 5	2 11	1 2	0 42	17 5
W 4	6 11	16 39	4 7	0n26	0 31	2 48	0 49	19 21	1 3	22 29	0 0	12 7	2 11	1 0	0 42	17 4
T 5	5 48	20 25	3 16	1 17	0 44	3 19	0 47	19 10	1 3	22 28	0 0	12 9	2 11	0 59	0 42	17 4
F 6	5 25	22 52	2 13	2 6	0 57	3 50	0 44	18 58	1 4	22 27	0s 0	12 11	2 11	0 58	0 42	17 3
S 7	5 2	23 50	1 2	2 54	1 10	4 21	0 42	18 46	1 4	22 26	0 0	12 13	2 11	0 56	0 42	17 3
S 8	4 38	23 18	0n11	3 40	1 24	4 52	0 40	18 34	1 5	22 24	0 0	12 15	2 10	0 55	0 42	17 2
M 9	4 15	21 23	1 22	4 23	1 37	5 23	0 37	18 22	1 5	22 23	0 0	12 17	2 10	0 53	0 42	17 2
T 10	3 51	18 17	2 27	5 4	1 50	5 54	0 35	18 9	1 6	22 22	0 0	12 19	2 10	0 52	0 42	17 1
W 11	3 28	14 18	3 24	5 42	2 3	6 24	0 32	17 57	1 6	22 21	0 1	12 21	2 10	0 51	0 42	17 1
T 12	3 4	9 41	4 9	6 16	2 15	6 55	0 29	17 44	1 7	22 20	0 1	12 24	2 10	0 49	0 42	17 0
F 13	2 41	4 44	4 40	6 48	2 27	7 25	0 27	17 31	1 7	22 19	0 1	12 26	2 9	0 48	0 42	17 0
S 14	2 17	0n21	4 57	7 15	2 38	7 55	0 24	17 18	1 8	22 18	0 1	12 28	2 9	0 47	0 42	16 59
S 15	1 53	5 20	4 59	7 39	2 48	8 25	0 21	17 4	1 8	22 17	0 1	12 30	2 9	0 45	0 42	16 59
M 16	1 30	10 1	4 47	7 59	2 57	8 55	0 19	16 51	1 9	22 16	0 1	12 32	2 9	0 44	0 42	16 58
T 17	1 6	14 15	4 22	8 14	3 6	9 24	0 16	16 37	1 9	22 14	0 1	12 34	2 9	0 43	0 42	16 58
W 18	0 42	17 52	3 46	8 26	3 13	9 54	0 13	16 23	1 10	22 13	0 1	12 37	2 8	0 41	0 42	16 57
T 19	0 18	20 43	3 0	8 33	3 18	10 23	0 10	16 9	1 10	22 12	0 1	12 39	2 8	0 40	0 42	16 57
F 20	0n 5	22 40	2 7	8 36	3 23	10 52	0 7	15 55	1 11	22 11	0 2	12 41	2 8	0 38	0 42	16 56
S 21	0 29	23 37	1 8	8 34	3 25	11 20	0 5	15 41	1 11	22 10	0 2	12 43	2 8	0 37	0 42	16 56
S 22	0 53	23 30	0 5	8 29	3 27	11 49	0 2	15 26	1 12	22 9	0 2	12 46	2 8	0 36	0 42	16 55
M 23	1 16	22 16	0s59	8 19	3 26	12 17	0n 1	15 11	1 12	22 8	0 2	12 48	2 8	0 34	0 42	16 55
T 24	1 40	19 58	2 1	8 5	3 24	12 45	0 4	14 57	1 13	22 7	0 2	12 50	2 7	0 33	0 42	16 54
W 25	2 3	16 37	3 0	7 48	3 20	13 12	0 7	14 42	1 13	22 6	0 2	12 52	2 7	0 32	0 42	16 54
T 26	2 27	12 52	3 50	7 27	3 14	13 39	0 10	14 27	1 13	22 5	0 2	12 55	2 7	0 30	0 42	16 53
F 27	2 50	7 22	4 30	7 3	3 7	14 6	0 13	14 11	1 14	22 4	0 2	12 57	2 7	0 29	0 42	16 53
S 28	3 14	1 49	4 54	6 36	2 58	14 33	0 16	13 56	1 14	22 3	0 2	12 59	2 7	0 28	0 42	16 53
S 29	3 37	3s58	5 1	6 8	2 47	14 59	0 19	13 41	1 15	22 2	0 3	13 2	2 7	0 26	0 42	16 52
M 30	4 0	9 39	4 48	5 37	2 35	15 25	0 22	13 25	1 15	22 1	0 3	13 4	2 6	0 25	0 42	16 52
T 31	4n23	14s50	4s15	5n 6	2n22	15n50	0n25	13s 9	1s16	22s 0	0s 3	13n 6	2s 6	0s23	0s42	16s51

Julian Day Number = 2333266.5, Delta T = 25.91 sec
 Ecliptic obliquity = 23°28'53", Nutation = 0°00'18", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 20°13'12", Lahiri = 19°20'12Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1676

geocentric

APRIL 1676 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	12 40 32	12°32'	13°15'	6°R35	13°8'	29°24'	20°18'	10°58'	0°41'	13°44'	6°39'	25°R33	26°43'	20°10'	2°33'	W 1
T 2	12 44 28	13° 2'30	28° 6'	5°Y49	14°20'	0°10'	20°25'	11° 5'	0°45'	13°45'	6°39'	25°R28	26°40'	20°17'	2°37'	T 2
F 3	12 48 25	14° 1'26	12°41'	5° 7'	15°32'	0°57'	20°31'	11°12'	0°48'	13°46'	6°39'	25°26'	26°37'	20°24'	2°40'	F 3
S 4	12 52 21	15° 0'21	26°58'	4°27'	16°44'	1°43'	20°38'	11°20'	0°51'	13°48'	6°40'	25°D25	26°34'	20°30'	2°44'	S 4
S 5	12 56 18	15°59'14	10°35'	3°52'	17°56'	2°29'	20°44'	11°27'	0°55'	13°49'	6°40'	25°R26	26°31'	20°37'	2°48'	S 5
M 6	13 0 14	16°58'05	24°30'	3°21'	19° 9'	3°15'	20°50'	11°34'	0°58'	13°50'	6°41'	25°25'	26°27'	20°44'	2°51'	M 6
T 7	13 4 11	17°56'54	7°47'	2°55'	20°21'	4° 2'	20°56'	11°41'	1° 1'	13°51'	6°41'	25°24'	26°24'	20°50'	2°55'	T 7
W 8	13 8 8	18°55'41	20°49'	2°34'	21°33'	4°48'	21° 2'	11°49'	1° 5'	13°53'	6°41'	25°20'	26°21'	20°57'	2°58'	W 8
T 9	13 12 4	19°54'27	3°36'	2°17'	22°45'	5°34'	21° 7'	11°56'	1° 8'	13°54'	6°42'	25°13'	26°18'	21° 4'	3° 2'	T 9
F 10	13 16 1	20°53'11	16°11'	2° 7'	23°57'	6°21'	21°13'	12° 3'	1°11'	13°55'	6°42'	25° 4'	26°15'	21°10'	3° 5'	F 10
S 11	13 19 57	21°51'53	28°36'	2° 1'	25° 8'	7° 7'	21°18'	12°11'	1°14'	13°56'	6°43'	24°53'	26°12'	21°17'	3° 9'	S 11
S 12	13 23 54	22°50'33	10°51'	2°D 1	26°20'	7°53'	21°23'	12°18'	1°18'	13°57'	6°43'	24°41'	26° 8'	21°24'	3°12'	S 12
M13	13 27 50	23°49'11	22°58'	2° 5'	27°32'	8°39'	21°28'	12°26'	1°21'	13°58'	6°44'	24°30'	26° 5'	21°30'	3°16'	M13
T 14	13 31 47	24°47'48	4°57'	2°15'	28°43'	9°26'	21°33'	12°33'	1°24'	13°59'	6°45'	24°19'	26° 2'	21°37'	3°19'	T 14
W15	13 35 43	25°46'22	16°49'	2°30'	29°55'	10°12'	21°37'	12°41'	1°27'	14° 0'	6°45'	24°11'	25°59'	21°44'	3°23'	W15
T 16	13 39 40	26°44'55	28°38'	2°49'	1°II 6	10°58'	21°41'	12°48'	1°31'	14° 1'	6°46'	24° 5'	25°56'	21°50'	3°26'	T 16
F 17	13 43 37	27°43'25	10°II25	3°13'	2°18'	11°44'	21°46'	12°56'	1°34'	14° 2'	6°46'	24° 2'	25°52'	21°57'	3°30'	F 17
S 18	13 47 33	28°41'53	22°14'	3°41'	3°29'	12°30'	21°50'	13° 4'	1°37'	14° 3'	6°47'	24°D 1	25°49'	22° 4'	3°33'	S 18
S 19	13 51 30	29°40'20	4°9'	4°14'	4°40'	13°17'	21°54'	13°11'	1°40'	14° 4'	6°48'	24° 1'	25°46'	22°10'	3°37'	S 19
M20	13 55 26	0°38'44	16°14'	4°50'	5°52'	14° 3'	21°57'	13°19'	1°43'	14° 5'	6°48'	24° 2'	25°43'	22°17'	3°40'	M20
T 21	13 59 23	1°37'06	28°35'	5°30'	7° 3'	14°49'	22° 1'	13°26'	1°46'	14° 6'	6°49'	24°R 3	25°40'	22°24'	3°43'	T 21
W22	14 3 19	2°35'26	11°II17	6°14'	8°14'	15°35'	22° 4'	13°34'	1°49'	14° 7'	6°50'	24° 3'	25°37'	22°30'	3°47'	W22
T 23	14 7 16	3°33'44	24°24'	7° 2'	9°25'	16°21'	22° 7'	13°42'	1°52'	14° 7'	6°51'	24° 1'	25°33'	22°37'	3°50'	T 23
F 24	14 11 12	4°31'59	7°II59	7°53'	10°35'	17° 7'	22°10'	13°49'	1°55'	14° 8'	6°51'	23°57'	25°30'	22°44'	3°53'	F 24
S 25	14 15 9	5°30'13	22° 3'	8°47'	11°46'	17°53'	22°13'	13°57'	1°58'	14° 9'	6°52'	23°51'	25°27'	22°50'	3°56'	S 25
S 26	14 19 6	6°28'24	6°II36	9°44'	12°57'	18°39'	22°16'	14° 5'	2° 1'	14°10'	6°53'	23°44'	25°24'	22°57'	4° 0'	S 26
M27	14 23 2	7°26'34	21°30'	10°44'	14° 7'	19°25'	22°18'	14°13'	2° 4'	14°10'	6°54'	23°37'	25°21'	23° 4'	4° 3'	M27
T 28	14 26 59	8°24'42	6°II40	11°47'	15°18'	20°11'	22°20'	14°20'	2° 7'	14°11'	6°55'	23°31'	25°17'	23°10'	4° 6'	T 28
W29	14 30 55	9°22'48	21°53'	12°53'	16°28'	20°57'	22°23'	14°28'	2°10'	14°11'	6°56'	23°26'	25°14'	23°17'	4° 9'	W29
T 30	14 34 52	10°20'53	7°II1	14°Y 2	17°II38	21°K43	22°23'	14°II36	2°Y13	14°II12	6°57'	23°K23	25°K11	23°K24	4°Y12	T 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	4n46	19s 5	3s24	4n34	2n 8	16n15	0n28	12s53	1s16	22s 0	0s 3	13n 9	2s 6	0s22	0s42	16s51
T 2	5 10	22 2	2 20	4 3	1 53	16 40	0 31	12 37	1 16	21 59	0 3	13 11	2 6	0 21	0 42	16 51
F 3	5 32	23 28	1 7	3 31	1 38	17 4	0 34	12 21	1 17	21 58	0 3	13 13	2 6	0 19	0 42	16 50
S 4	5 55	23 19	0n 8	3 1	1 22	17 28	0 38	12 5	1 17	21 57	0 3	13 16	2 6	0 18	0 42	16 50
S 5	6 18	21 41	1 21	2 32	1 5	17 51	0 41	11 49	1 17	21 56	0 3	13 18	2 6	0 17	0 42	16 49
M 6	6 41	18 50	2 28	2 5	0 49	18 14	0 44	11 32	1 18	21 55	0 4	13 20	2 6	0 15	0 42	16 49
T 7	7 3	15 3	3 25	1 39	0 32	18 37	0 47	11 16	1 18	21 55	0 4	13 23	2 5	0 14	0 42	16 49
W 8	7 26	10 37	4 10	1 16	0 16	18 59	0 50	10 59	1 19	21 54	0 4	13 25	2 5	0 13	0 42	16 48
T 9	7 48	5 49	4 42	0 55	0 1	19 20	0 53	10 42	1 19	21 53	0 4	13 27	2 5	0 12	0 42	16 48
F 10	8 10	0 51	5 0	0 37	0s15	19 41	0 56	10 26	1 19	21 52	0 4	13 30	2 5	0 10	0 42	16 48
S 11	8 32	4n 4	5 2	0 21	0 30	20 2	0 59	10 9	1 20	21 52	0 4	13 32	2 5	0 9	0 42	16 47
S 12	8 54	8 46	4 51	0 8	0 44	20 22	1 2	9 52	1 20	21 51	0 4	13 34	2 5	0 8	0 42	16 47
M13	9 16	13 4	4 27	0s 3	0 58	20 42	1 5	9 35	1 20	21 50	0 5	13 37	2 5	0 6	0 42	16 47
T 14	9 37	16 49	3 51	0 11	1 11	21 1	1 8	9 17	1 20	21 50	0 5	13 39	2 5	0 5	0 42	16 47
W15	9 59	19 51	3 5	0 17	1 23	21 19	1 10	9 0	1 21	21 49	0 5	13 42	2 5	0 4	0 42	16 46
T 16	10 20	22 2	2 12	0 19	1 35	21 37	1 13	8 43	1 21	21 49	0 5	13 44	2 4	0 3	0 42	16 46
F 17	10 41	23 15	1 12	0 20	1 45	21 54	1 16	8 26	1 21	21 48	0 5	13 46	2 4	0 1	0 42	16 46
S 18	11 2	23 25	0 10	0 18	1 56	22 11	1 19	8 8	1 22	21 48	0 5	13 49	2 4	0 0	0 42	16 46
S 19	11 23	22 31	0s54	0 14	2 5	22 27	1 22	7 51	1 22	21 47	0 5	13 51	2 4	0n 1	0 42	16 45
M20	11 43	20 34	1 57	0 7	2 13	22 43	1 25	7 33	1 22	21 47	0 5	13 53	2 4	0 2	0 42	16 45
T 21	12 3	17 37	2 55	0n 2	2 21	22 58	1 27	7 15	1 22	21 46	0 6	13 56	2 4	0 4	0 42	16 45
W22	12 24	13 47	3 47	0 13	2 28	23 12	1 30	6 58	1 23	21 46	0 6	13 58	2 4	0 5	0 42	16 45
T 23	12 44	9 12	4 28	0 26	2 35	23 26	1 33	6 40	1 23	21 45	0 6	14 0	2 4	0 6	0 42	16 44
F 24	13 3	4 0	4 56	0 40	2 40	23 39	1 35	6 22	1 23	21 45	0 6	14 3	2 4	0 7	0 42	16 44
S 25	13 23	1s34	5 8	0 57	2 45	23 51	1 38	6 4	1 23	21 45	0 6	14 5	2 4	0 8	0 42	16 44
S 26	13 42	7 13	5 0	1 16	2 50	24 3	1 40	5 47	1 23	21 45	0 6	14 7	2 4	0 10	0 42	16 44
M27	14 1	12 37	4 33	1 36	2 53	24 14	1 43	5 29	1 24	21 44	0 6	14 10	2 4	0 11	0 42	16 44
T 28	14 20	17 19	3 46	1 58	2 56	24 25	1 45	5 11	1 24	21 44	0 7	14 12	2 4	0 12	0 42	16 44
W29	14 39	20 53	2 42	2 22	2 58	24 34	1 48	4 53	1 24	21 44	0 7	14 14	2 3	0 13	0 42	16 43
T 30	14n57	22s57	1s27	2n47	3s 0	24n44	1n50	4s35	1s24	21s44	0s 7	14n17	2s 3	0n14	0s42	16s43

Julian Day Number = 2333297.5, Delta T = 25.86 sec

Ecliptic obliquity = 23°28'53", Nutation = 0°00'17", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 20°13'16", Lahiri = 19°20'17"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1676

geocentric

MAY 1676 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	14 38 48	11 ¹⁸ 56	21 ¹⁸ 55	15 ¹³ 13	18 ¹¹ 48	22 ¹¹ 29	22 ²³ 26	14 ¹⁸ 44	2 ¹¹ 16	14 ¹⁸ 12	6 ¹⁸ 58	23 ¹⁸ D22	25 ¹⁸ 8	23 ¹⁸ 30	4 ¹¹ 15	F 1
S 2	14 42 45	12 ¹⁶ 58	6 ¹⁸ 28	16 ¹⁶ 26	19 ¹⁹ 59	23 ¹⁵ 15	22 ²⁸ 28	14 ¹⁵ 51	2 ¹⁹ 19	14 ¹³ 13	6 ⁵⁹ 59	23 ¹⁸ 22	25 ⁵ 5	23 ³⁷ 37	4 ¹⁸ 18	S 2
S 3	14 46 41	13 ¹⁴ 58	20 ³⁶ 36	17 ⁴² 42	21 ⁸ 8	24 ¹ 1	22 ²⁹ 29	14 ⁵⁹ 59	2 ²¹ 21	14 ¹³ 13	6 ⁵⁹ 59	23 ²⁴ 24	25 ² 2	23 ⁴⁴ 44	4 ²¹ 21	S 3
M 4	14 50 38	14 ¹² 57	4 ¹⁹ 19	19 ¹ 1	22 ¹⁸ 18	24 ⁴⁷ 47	22 ³⁰ 30	15 ⁷ 7	2 ²⁴ 24	14 ¹⁴ 14	7 ⁰ 0	23 ²⁵ 25	24 ⁵⁸ 58	23 ⁵⁰ 50	4 ²⁴ 24	M 4
T 5	14 54 35	15 ¹⁰ 55	17 ³⁹ 39	20 ²² 22	23 ²⁸ 28	25 ³² 32	22 ³¹ 31	15 ¹⁵ 15	2 ²⁷ 27	14 ¹⁴ 14	7 ¹ 1	23 ²⁵ 25	24 ⁵⁵ 55	23 ⁵⁷ 57	4 ²⁷ 27	T 5
W 6	14 58 31	16 ⁸ 51	0 ¹⁸ 37	21 ⁴⁵ 45	24 ³⁸ 38	26 ¹⁸ 18	22 ³² 32	15 ²² 22	2 ³⁰ 30	14 ¹⁴ 14	7 ² 2	23 ²⁴ 24	24 ⁵² 52	24 ⁴ 4	4 ³⁰ 30	W 6
T 7	15 2 28	17 ⁶ 46	13 ¹⁸ 18	23 ¹⁰ 10	25 ⁴⁷ 47	27 ⁴ 4	22 ³² 32	15 ³⁰ 30	2 ³² 32	14 ¹⁵ 15	7 ³ 3	23 ²¹ 21	24 ⁴⁹ 49	24 ¹⁰ 10	4 ³³ 33	T 7
F 8	15 6 24	18 ⁴ 40	25 ⁴³ 43	24 ³⁸ 38	26 ⁵⁷ 57	27 ⁵⁰ 50	22 ³³ 33	15 ³⁸ 38	2 ³⁵ 35	14 ¹⁵ 15	7 ⁵ 5	23 ¹⁷ 17	24 ⁴⁶ 46	24 ¹⁷ 17	4 ³⁶ 36	F 8
S 9	15 10 21	19 ² 32	7 ¹¹ 56	26 ⁸ 8	28 ⁶ 6	28 ³⁵ 35	22 ³³ 33	15 ⁴⁶ 46	2 ³⁸ 38	14 ¹⁵ 15	7 ⁶ 6	23 ¹² 12	24 ⁴³ 43	24 ²⁴ 24	4 ³⁹ 39	S 9
S 10	15 14 17	20 ⁰ 23	20 ⁰ 0	27 ⁴⁰ 40	29 ¹⁵ 15	29 ²¹ 21	22 ³³ 33	15 ⁵³ 53	2 ⁴⁰ 40	14 ¹⁶ 16	7 ⁷ 7	23 ⁶ 6	24 ³⁹ 39	24 ³⁰ 30	4 ⁴² 42	S 10
M 11	15 18 14	20 ⁵⁸ 13	1 ¹⁸ 57	29 ¹⁴ 14	0 ²⁴ 24	0 ¹¹ 6	22 ³³ 33	16 ¹ 1	2 ⁴³ 43	14 ¹⁶ 16	7 ⁸ 8	23 ⁰ 0	24 ³⁶ 36	24 ³⁷ 37	4 ⁴⁵ 45	M 11
T 12	15 22 10	21 ⁵⁶ 01	13 ⁴⁸ 48	0 ¹⁸ 50	1 ³³ 33	0 ⁵² 52	22 ³² 32	16 ⁹ 9	2 ⁴⁵ 45	14 ¹⁶ 16	7 ⁹ 9	22 ⁵⁵ 55	24 ³³ 33	24 ⁴⁴ 44	4 ⁴⁷ 47	T 12
W 13	15 26 7	22 ⁵³ 48	25 ³⁷ 37	2 ²⁹ 29	2 ⁴² 42	1 ³⁸ 38	22 ³² 32	16 ¹⁷ 17	2 ⁴⁸ 48	14 ¹⁶ 16	7 ¹⁰ 10	22 ⁵¹ 51	24 ³⁰ 30	24 ⁵⁰ 50	4 ⁵⁰ 50	W 13
T 14	15 30 4	23 ⁵¹ 34	7 ¹¹ 25	4 ⁹ 9	3 ⁵¹ 51	2 ²³ 23	22 ³¹ 31	16 ²⁴ 24	2 ⁵⁰ 50	14 ¹⁶ 16	7 ¹¹ 11	22 ⁴⁹ 49	24 ²⁷ 27	24 ⁵⁷ 57	4 ⁵³ 53	T 14
F 15	15 34 0	24 ⁴⁹ 18	19 ¹⁴ 14	5 ⁵² 52	5 ⁰ 0	3 ⁹ 9	22 ³⁰ 30	16 ³² 32	2 ⁵³ 53	14 ¹⁶ 16	7 ¹² 12	22 ⁴⁷ 47	24 ²³ 23	25 ⁴ 4	4 ⁵⁵ 55	F 15
S 16	15 37 57	25 ⁴⁷ 01	1 ¹⁸ 7	7 ³⁷ 37	6 ⁸ 8	3 ⁵⁴ 54	22 ²⁹ 29	16 ⁴⁰ 40	2 ⁵⁵ 55	14 ¹⁶ 16	7 ¹⁴ 14	22 ⁴⁸ 48	24 ²⁰ 20	25 ¹⁰ 10	4 ⁵⁸ 58	S 16
S 17	15 41 53	26 ⁴⁴ 43	13 ⁶ 6	9 ²⁴ 24	7 ¹⁷ 17	4 ³⁹ 39	22 ²⁸ 28	16 ⁴⁷ 47	2 ⁵⁷ 57	14 ¹⁶ 16	7 ¹⁵ 15	22 ⁴⁹ 49	24 ¹⁷ 17	25 ¹⁷ 17	5 ⁰ 0	S 17
M 18	15 45 50	27 ⁴² 23	25 ¹⁶ 16	11 ¹³ 13	8 ²⁵ 25	5 ²⁵ 25	22 ²⁶ 26	16 ⁵⁵ 55	3 ⁰ 0	14 ¹⁶ 16	7 ¹⁶ 16	22 ⁵⁰ 50	24 ¹⁴ 14	25 ²⁴ 24	5 ³ 3	M 18
T 19	15 49 46	28 ⁴⁰ 01	7 ¹¹ 40	13 ⁵ 5	9 ³³ 33	6 ¹⁰ 10	22 ²⁴ 24	17 ³ 3	3 ² 2	14 ¹⁶ 16	7 ¹⁷ 17	22 ⁵² 52	24 ¹¹ 11	25 ³⁰ 30	5 ⁵ 5	T 19
W 20	15 53 43	29 ³⁷ 38	20 ²² 22	14 ⁵⁸ 58	10 ⁴¹ 41	6 ⁵⁵ 55	22 ²³ 23	17 ¹⁰ 10	3 ⁴ 4	14 ¹⁶ 16	7 ¹⁸ 18	22 ⁵³ 53	24 ⁸ 8	25 ³⁷ 37	5 ⁸ 8	W 20
T 21	15 57 39	0 ¹¹ 3513	3 ¹¹ 25	16 ⁵⁴ 54	11 ⁴⁹ 49	7 ⁴⁰ 40	22 ²¹ 21	17 ¹⁸ 18	3 ⁶ 6	14 ¹⁶ 16	7 ²⁰ 20	22 ⁵³ 53	24 ⁴ 4	25 ⁴⁴ 44	5 ¹⁰ 10	T 21
F 22	16 1 36	1 ³² 47	16 ⁵⁴ 54	18 ⁵¹ 51	12 ⁵⁷ 57	8 ²⁶ 26	22 ¹⁸ 18	17 ²⁶ 26	3 ⁹ 9	14 ¹⁶ 16	7 ²¹ 21	22 ⁵³ 53	24 ¹ 1	25 ⁵⁰ 50	5 ¹³ 13	F 22
S 23	16 5 33	2 ³⁰ 20	0 ¹¹ 49	20 ⁵¹ 51	14 ⁴ 4	9 ¹¹ 11	22 ¹⁶ 16	17 ³³ 33	3 ¹¹ 11	14 ¹⁵ 15	7 ²² 22	22 ⁵¹ 51	23 ⁵⁸ 58	25 ⁵⁷ 57	5 ¹⁵ 15	S 23
S 24	16 9 29	3 ²⁷ 51	15 ¹¹ 11	22 ⁵³ 53	15 ¹² 12	9 ⁵⁶ 56	22 ¹³ 13	17 ⁴¹ 41	3 ¹³ 13	14 ¹⁵ 15	7 ²³ 23	22 ⁴⁹ 49	23 ⁵⁵ 55	26 ⁴ 4	5 ¹⁷ 17	S 24
M 25	16 13 26	4 ²⁵ 20	29 ⁵⁶ 56	24 ⁵⁶ 56	16 ¹⁹ 19	10 ⁴¹ 41	22 ¹⁰ 10	17 ⁴⁸ 48	3 ¹⁵ 15	14 ¹⁵ 15	7 ²⁵ 25	22 ⁴⁷ 47	23 ⁵² 52	26 ¹⁰ 10	5 ²⁰ 20	M 25
T 26	16 17 22	5 ²² 49	14 ¹¹ 59	27 ¹ 1	17 ²⁶ 26	11 ²⁶ 26	22 ⁷ 7	17 ⁵⁶ 56	3 ¹⁷ 17	14 ¹⁴ 14	7 ²⁶ 26	22 ⁴⁴ 44	23 ⁴⁹ 49	26 ¹⁷ 17	5 ²² 22	T 26
W 27	16 21 19	6 ²⁰ 16	0 ¹¹ 10	29 ⁸ 8	18 ³³ 33	12 ¹¹ 11	22 ⁴ 4	18 ³ 3	3 ¹⁹ 19	14 ¹⁴ 14	7 ²⁷ 27	22 ⁴³ 43	23 ⁴⁵ 45	26 ²⁴ 24	5 ²⁴ 24	W 27
T 28	16 25 15	7 ¹⁷ 43	15 ²¹ 21	1 ¹¹ 16	19 ³⁹ 39	12 ⁵⁶ 56	22 ¹ 1	18 ¹¹ 11	3 ²¹ 21	14 ¹⁴ 14	7 ²⁹ 29	22 ⁴² 42	23 ⁴² 42	26 ³⁰ 30	5 ²⁶ 26	T 28
F 29	16 29 12	8 ¹⁵ 08	0 ¹⁸ 23	3 ²⁵ 25	20 ⁴⁶ 46	13 ⁴⁰ 40	21 ⁵⁷ 57	18 ¹⁸ 18	3 ²³ 23	14 ¹³ 13	7 ³⁰ 30	22 ⁴² 42	23 ³⁹ 39	26 ³⁷ 37	5 ²⁸ 28	F 29
S 30	16 33 8	9 ¹² 33	15 ⁶ 6	5 ³⁶ 36	21 ⁵² 52	14 ²⁵ 25	21 ⁵⁴ 54	18 ²⁶ 26	3 ²⁴ 24	14 ¹³ 13	7 ³¹ 31	22 ⁴³ 43	23 ³⁶ 36	26 ⁴⁴ 44	5 ³⁰ 30	S 30
S 31	16 37 5	10 ¹¹ 9'57	29 ²⁶ 26	7 ¹¹ 47	22 ⁵⁹ 59	15 ¹⁰ 10	21 ⁵⁰ 50	18 ³³ 33	3 ¹¹ 26	14 ¹³ 13	7 ³³ 33	22 ⁴⁴ 44	23 ³³ 33	26 ⁵⁰ 50	5 ³² 32	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	15n15	23s22	0s 8	3n14	3s 0	24n52	1n52	4s17	1s24	21s44	0s 7	14n19	2s 3	0n15	0s42	16s43	0s 8	20n55	2s23	23s19	23s23	21n18	4n15	2n47					
S 2	15 33	22 9	1n11	3 42	3 1	25 0	1 54	3 59	1 25	21 43	0 7	14 21	2 3	0 16	0 42	16 43	0 8	20 55	2 23	23 19	23 23	21 19	4 16	2 47					
S 3	15 51	19 33	2 23	4 11	3 0	25 7	1 56	3 41	1 25	21 43	0 7	14 24	2 3	0 17	0 42	16 43	0 8	20 55	2 23	23 19	23 23	21 20	4 17	2 47					
M 4	16 8	15 54	3 24	4 42	2 59	25 14	1 58	3 23	1 25	21 43	0 7	14 26	2 3	0 19	0 42	16 43	0 8	20 55	2 23	23 19	23 23	21 21	4 18	2 47					
T 5	16 25	11 33	4 13	5 14	2 58	25 19	2 0	3 5	1 25	21 43	0 8	14 28	2 3	0 20	0 42	16 43	0 8	20 55	2 23	23 19	23 23	21 22	4 19	2 47					
W 6	16 42	6 47	4 47	5 47	2 55	25 25	2 2	2 46	1 25	21 43	0 8	14 31	2 3	0 21	0 42	16 43	0 8	20 55	2 23	23 19	23 23	21 23	4 21	2 47					
T 7	16 58	1 51	5 7	6 21	2 53	25 29	2 4	2 28	1 25	21 43	0 8	14 33	2 3	0 22	0 42	16 42	0 8	20 55	2 23	23 19	23 23	21 24	4 22	2 47					
F 8	17 15	3n 3	5 11	6 56	2 49	25 33	2 6	2 10	1 25	21 43	0 8	14 35	2 3	0 23	0 43	16 42	0 8	20 55	2 22	23 19	23 23	21 25	4 23	2 47					
S 9	17 31	7 46	5 1	7 32	2 45	25 36	2 8	1 52	1 25	21 44	0 8	14 37	2 3	0 24	0 43	16 42	0 8	20 55	2 22	23 18	23 23	21 25	4 24	2 47					
S 10	17 46	12 7	4 38	8 9	2 41	25 38	2 9	1 34	1 25	21 44	0 8	14 40	2 3	0 25	0 43	16 42	0 8	20 55	2 22	23 18	23 22	21 26	4 25	2 47					
M 11	18 2 15	58	4 3	8 48	2 36	25 40	2 11	1 16	1 26	21 44	0 9	14 42	2 3	0 26	0 43	16 42	0 8	20 55	2 22	23 18	23 22	21 27	4 26	2 47					
T 12	18 17	19 9	3 17	9 26	2 30	25 41	2 12	0 58	1 26	21 44	0 9	14 44	2 3	0 27	0 43	16 42	0 8	20 55	2 22	23 17	23 22	21 28	4 28	2 47					
W 13	18 32	21 31	2 24	10 6	2 24	25 41	2 14	0 40	1 26	21 44	0 9	14 46	2 3	0 28	0 43	16 42	0 8	20 55	2 22	23 17	23 22	21 29	4 29	2 47					
T 14	18 46	22 57	1 23	10 46	2 17	25 40	2 15	0 22	1 26	21 45	0 9	14 48	2 3	0 29	0 43	16 42	0 8	20 55	2 22	23 17	23 22	21 30	4 30	2 47					
F 15	19 0 23	22	0 20	11 27	2 10	25 39	2 16	0 4	1 26	21 45	0 9	14 51	2 3	0 30	0 43	16 42	0 8	20 55	2 22	23 17	23 22	21 31	4 31	2 47					
S 16	19 14	22 43	0s46	12 9	2 3	25 37	2 17	0n15	1 26	21 45	0 9	14 53	2 3	0 31	0 43	16 42	0 8	20 56	2 22	23 17	23 22	21 32	4 32	2 47					
S 17	19 28	21 1	1 50	12 50	1 55	25 35	2 18	0 33	1 26	21 46	0 9	14 55	2 3	0 31	0 43	16 42	0 8	20 56	2 22	23 17	23 21	21 33	4 33	2 47					
M 18	19 41	18 21	2 49	13 32	1 46	25 32	2 19	0 50	1 26	21 46	0 10	14 57	2 3	0 32	0 43	16 42	0 8	20 56	2 22	23 17	23 21	21 33	4 34	2 47					
T 19	19 54	14 48	3 43	14 15	1 37	25 28	2 20	1 8	1 26	21 47	0 10	14 59	2 3	0 33	0 43	16 42	0 8	20 56	2 21	23 17	23 21	21 34	4 35	2 47					
W 20	20 6	10 31	4 26	14 57	1 28	25 23	2 21	1 26	1 26	21 47	0 10	15 2	2 3	0 34	0 43	16 42	0 8	20 56	2 21	23 17	23 21	21 35	4 36	2 47					
T 21	20 19	5 38	4 58	15 39	1 18	25 18	2 22	1 44	1 26	21 48	0 10	15 4	2 3	0 35	0 43	16 42	0 8	20 56	2 21	23 17	23 21	21 36	4 37	2 47					
F 22	20 30	0 22	5 14	16 22	1 9	25 12	2 22	2 2	1 26	21 48	0 10	15 6	2 3	0 36	0 43	16 42	0 8	20 56	2 21	23 17	23 21	21 37	4 38	2 47					
S 23	20 42	5s 6	5 13	17 4	0 58	25 6	2 23	2 20	1 26	21 49	0 10	15 8	2 3	0 37	0 43	16 43	0 8	20 56	2 21	23 17	23 21	21 38	4 39	2 48					
S 24	20 53	10 29	4 52	17 45	0 48	24 59	2 23	2 38	1 26	21 49	0 11	15 10	2 3	0 37	0 43	16 43	0 8	20 56	2 21	23 17	23 20	21 39	4 40	2 48					
M 25	21 4 15	24	4 12	18 26	0 37	24 51	2 23	2 55	1 26	21 50	0 11	15 12	2 3	0 38	0 43	16 43	0 8	20 56	2 21	23 17	23 20	21 39	4 41	2 48					
T 26	21 14	19 27	3 14	19 5	0 27	24 43	2 23	3 13	1 25	21 50	0 11	15 14	2 3	0 39	0 43	16 43	0 8	20 56	2 21	23 17	23 20	21 40	4 42	2 48					
W 27	21 24	22 12	2 2	19 44	0 16	24 34	2 23	3 31	1 25	21 51	0 11	15 16	2 3	0 40	0 43	16 43	0 8	20 56	2 21	23 17	23 20	21 41	4 43	2 48					
T 28	21 34	23 21	0 41	20 22	0 5	24 24	2 23	3 48	1 25	21 52	0 11	15 18	2 3	0 40	0 43	16 43	0 8	20 56	2 21	23 17	23 20	21 42	4 44	2 48					
F 29	21 43	22 46	0n42	20 58	0n 5	24 14	2 23	4 6	1 25	21 53	0 11	15 20	2 3	0 41	0 43	16 43	0 8	20 56	2 21	23 17	23 20	21 43	4 45	2 48					
S 30	21 52	20 37	2 1	21 32	0 16	24 3	2 23	4 23	1 25	21 53	0 12	15 22	2 3	0 42	0 43	16 43	0 8	20 56	2 20	23 17	23 20	21 43	4 46	2 48					
S 31	22n 1	17s12	3n10	22n 5	0n26	23n52	2n22	4n41	1s25	21s54	0s12	15n24	2s 3	0n43	0s43	16s43	0s 8	20n56	2s20	23s17	23s19	21n44	4n46	2n48					

ASTRODIENST EPHEMERIS for the year 1676

geocentric

JUNE 1676 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	16 41 2	11 ^{II} 7'20	13 [♈] 20	9 ^{II} 59	24 [♈] 5	15 [♈] 54	21 [♈] R46	18 [♈] 41	3 [♈] 28	14 [♈] R12	7 [♈] 34	22 [♈] 45	23 [♈] 29	26 [♈] 57	5 [♈] 34	M 1
T 2	16 44 58	12 [°] 4'42	26 [°] 47	12 [°] 11	25 [°] 11	16 [°] 39	21 [°] 342	18 [°] 48	3 [°] 30	14 [°] 12	7 [°] 36	22 [°] 45	23 [°] 26	27 [°] 4	5 [°] 36	T 2
W 3	16 48 55	13 [°] 2'04	9 [♈] 50	14 [°] 23	26 [°] 16	17 [°] 24	21 [°] 37	18 [°] 55	3 [°] 31	14 [°] 11	7 [°] 37	22 [°] R46	23 [°] 23	27 [°] 10	5 [°] 38	W 3
T 4	16 52 51	13 [°] 59'25	22 [°] 30	16 [°] 35	27 [°] 22	18 [°] 8	21 [°] 33	19 [°] 3	3 [°] 33	14 [°] 10	7 [°] 38	22 [°] 46	23 [°] 20	27 [°] 17	5 [°] 40	T 4
F 5	16 56 48	14 [°] 56'46	4 [♈] 53	18 [°] 46	28 [°] 27	18 [°] 53	21 [°] 28	19 [°] 10	3 [°] 35	14 [°] 10	7 [°] 40	22 [°] 45	23 [°] 17	27 [°] 24	5 [°] 41	F 5
S 6	17 0 44	15 [°] 54'07	17 [°] 1	20 [°] 56	29 [°] 32	19 [°] 37	21 [°] 23	19 [°] 17	3 [°] 36	14 [°] 9	7 [°] 41	22 [°] 44	23 [°] 14	27 [°] 30	5 [°] 43	S 6
S 7	17 4 41	16 [°] 51'26	28 [°] 59	23 [°] 6	0 [♈] 37	20 [°] 21	21 [°] 18	19 [°] 24	3 [°] 38	14 [°] 8	7 [°] 43	22 [°] 44	23 [°] 10	27 [°] 37	5 [°] 45	S 7
M 8	17 8 37	17 [°] 48'46	10 [♈] 50	25 [°] 14	1 [°] 41	21 [°] 6	21 [°] 13	19 [°] 31	3 [°] 39	14 [°] 8	7 [°] 44	22 [°] 43	23 [°] 7	27 [°] 44	5 [°] 46	M 8
T 9	17 12 34	18 [°] 46'05	22 [°] 39	27 [°] 21	2 [°] 46	21 [°] 50	21 [°] 8	19 [°] 39	3 [°] 41	14 [°] 7	7 [°] 45	22 [°] 42	23 [°] 4	27 [°] 50	5 [°] 48	T 9
W10	17 16 31	19 [°] 43'23	4 ^{II} 26	29 [°] 26	3 [°] 50	22 [°] 34	21 [°] 3	19 [°] 46	3 [°] 42	14 [°] 6	7 [°] 47	22 [°] 42	23 [°] 1	27 [°] 57	5 [°] 49	W10
T 11	17 20 27	20 [°] 40'41	16 [°] 17	1 [♈] 29	4 [°] 54	23 [°] 18	20 [°] 57	19 [°] 53	3 [°] 43	14 [°] 6	7 [°] 48	22 [°] 42	22 [°] 58	28 [°] 4	5 [°] 51	T 11
F 12	17 24 24	21 [°] 37'59	28 [°] 11	3 [°] 30	5 [°] 58	24 [°] 2	20 [°] 51	20 [°] 0	3 [°] 45	14 [°] 5	7 [°] 50	22 [°] D42	22 [°] 55	28 [°] 10	5 [°] 52	F 12
S 13	17 28 20	22 [°] 35'16	10 [♈] 52	5 [°] 30	7 [°] 1	24 [°] 46	20 [°] 45	20 [°] 7	3 [°] 46	14 [°] 4	7 [°] 51	22 [°] R42	22 [°] 51	28 [°] 17	5 [°] 54	S 13
S 14	17 32 17	23 [°] 32'32	22 [°] 22	7 [°] 27	8 [°] 5	25 [°] 30	20 [°] 40	20 [°] 14	3 [°] 47	14 [°] 3	7 [°] 53	22 [°] 42	22 [°] 48	28 [°] 24	5 [°] 55	S 14
M15	17 36 13	24 [°] 29'48	4 [♈] 43	9 [°] 22	9 [°] 8	26 [°] 14	20 [°] 33	20 [°] 21	3 [°] 48	14 [°] 2	7 [°] 54	22 [°] 42	22 [°] 45	28 [°] 30	5 [°] 56	M15
T 16	17 40 10	25 [°] 27'03	17 [°] 17	11 [°] 16	10 [°] 10	26 [°] 58	20 [°] 27	20 [°] 28	3 [°] 49	14 [°] 1	7 [°] 56	22 [°] 42	22 [°] 42	28 [°] 37	5 [°] 58	T 16
W17	17 44 6	26 [°] 24'17	0 [♈] 6	13 [°] 7	11 [°] 13	27 [°] 41	20 [°] 21	20 [°] 34	3 [°] 50	14 [°] 0	7 [°] 57	22 [°] 41	22 [°] 39	28 [°] 44	5 [°] 59	W17
T 18	17 48 3	27 [°] 21'31	13 [°] 13	14 [°] 55	12 [°] 15	28 [°] 25	20 [°] 14	20 [°] 41	3 [°] 51	13 [°] 59	7 [°] 59	22 [°] 41	22 [°] 35	28 [°] 50	6 [°] 0	T 18
F 19	17 52 0	28 [°] 18'44	26 [°] 40	16 [°] 42	13 [°] 17	29 [°] 8	20 [°] 8	20 [°] 48	3 [°] 52	13 [°] 58	8 [°] 0	22 [°] D41	22 [°] 32	28 [°] 57	6 [°] 1	F 19
S 20	17 55 56	29 [°] 15'56	10 [♈] 28	18 [°] 26	14 [°] 18	29 [°] 52	20 [°] 1	20 [°] 55	3 [°] 53	13 [°] 57	8 [°] 2	22 [°] 41	22 [°] 29	29 [°] 4	6 [°] 2	S 20
S 21	17 59 53	0 [♈] 13'08	24 [°] 36	20 [°] 8	15 [°] 20	0 [♈] 35	19 [°] 54	21 [°] 1	3 [°] 54	13 [°] 56	8 [°] 3	22 [°] 41	22 [°] 26	29 [°] 10	6 [°] 3	S 21
M22	18 3 49	1 [°] 10'19	9 [♈] 5	21 [°] 48	16 [°] 21	1 [°] 19	19 [°] 48	21 [°] 8	3 [°] 55	13 [°] 55	8 [°] 5	22 [°] 42	22 [°] 23	29 [°] 17	6 [°] 4	M22
T 23	18 7 46	2 [°] 7'30	23 [°] 49	23 [°] 25	17 [°] 21	2 [°] 2	19 [°] 41	21 [°] 14	3 [°] 56	13 [°] 54	8 [°] 6	22 [°] 43	22 [°] 20	29 [°] 24	6 [°] 5	T 23
W24	18 11 42	3 [°] 4'41	8 [♈] 44	25 [°] 0	18 [°] 21	2 [°] 45	19 [°] 34	21 [°] 21	3 [°] 56	13 [°] 53	8 [°] 8	22 [°] 43	22 [°] 16	29 [°] 30	6 [°] 5	W24
T 25	18 15 39	4 [°] 1'51	23 [°] 43	26 [°] 33	19 [°] 21	3 [°] 28	19 [°] 26	21 [°] 27	3 [°] 57	13 [°] 52	8 [°] 9	22 [°] R43	22 [°] 13	29 [°] 37	6 [°] 6	T 25
F 26	18 19 36	4 [°] 59'02	8 [♈] 38	28 [°] 3	20 [°] 21	4 [°] 11	19 [°] 19	21 [°] 34	3 [°] 58	13 [°] 51	8 [°] 11	22 [°] 43	22 [°] 10	29 [°] 44	6 [°] 7	F 26
S 27	18 23 32	5 [°] 56'12	23 [°] 19	29 [°] 32	21 [°] 20	4 [°] 54	19 [°] 12	21 [°] 40	3 [°] 58	13 [°] 49	8 [°] 12	22 [°] 42	22 [°] 7	29 [°] 50	6 [°] 8	S 27
S 28	18 27 29	6 [°] 53'22	7 [♈] 42	0 [♈] 58	22 [°] 19	5 [°] 37	19 [°] 5	21 [°] 46	3 [°] 59	13 [°] 48	8 [°] 14	22 [°] 41	22 [°] 4	29 [°] 57	6 [°] 8	S 28
M29	18 31 25	7 [°] 50'32	21 [°] 42	2 [°] 21	23 [°] 17	6 [°] 20	18 [°] 57	21 [°] 52	3 [°] 59	13 [°] 47	8 [°] 15	22 [°] 39	22 [°] 1	0 ^{II} 3	6 [°] 9	M29
T 30	18 35 22	8 [°] 47'42	5 [♈] 15	3 [♈] 42	24 [°] 15	7 [°] 2	18 [°] 50	21 [°] 59	4 [°] 0	13 [°] 46	8 [°] 17	22 [°] 37	21 [°] 57	0 ^{II} 10	6 [°] 9	T 30

Day	☉	☾	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n 9	12s55	4n 5	22n35	0n36	23n40	2n22	4n58	1s25	21s55	0s12	15n26	2s 3	0n43	0s43	16s44	0s 8	20n56	2s20	23s17	23s19	21n45	4n47	2n48
T 2	22 17	8 8	4 45	23 3	0 46	23 27	2 21	5 15	1 25	21 56	0 12	15 28	2 3	0 44	0 43	16 44	0 8	20 56	2 20	23 17	23 19	21 46	4 48	2 48
W 3	22 24	3 7	5 9	23 29	0 55	23 14	2 20	5 32	1 25	21 57	0 12	15 30	2 3	0 45	0 43	16 44	0 8	20 56	2 20	23 17	23 19	21 47	4 49	2 48
T 4	22 31	1n53	5 17	23 52	1 4	23 0	2 20	5 49	1 24	21 57	0 12	15 32	2 3	0 45	0 43	16 44	0 8	20 56	2 20	23 17	23 19	21 47	4 50	2 48
F 5	22 38	6 41	5 10	24 12	1 12	22 46	2 19	6 7	1 24	21 58	0 13	15 34	2 3	0 46	0 43	16 44	0 8	20 56	2 20	23 17	23 19	21 48	4 50	2 48
S 6	22 44	11 9	4 49	24 30	1 20	22 31	2 17	6 24	1 24	21 59	0 13	15 36	2 3	0 46	0 43	16 45	0 8	20 56	2 20	23 17	23 18	21 49	4 51	2 49
S 7	22 50	15 7	4 16	24 45	1 27	22 16	2 16	6 40	1 24	22 0	0 13	15 38	2 3	0 47	0 43	16 45	0 8	20 56	2 20	23 17	23 18	21 50	4 52	2 49
M 8	22 55	18 28	3 32	24 57	1 34	22 0	2 15	6 57	1 24	22 1	0 13	15 40	2 3	0 48	0 43	16 45	0 8	20 56	2 20	23 17	23 18	21 50	4 53	2 49
T 9	23 0	21 2	2 39	25 7	1 39	21 44	2 13	7 14	1 23	22 2	0 13	15 42	2 4	0 48	0 43	16 45	0 8	20 56	2 20	23 17	23 18	21 51	4 53	2 49
W10	23 5	22 42	1 40	25 13	1 44	21 27	2 12	7 31	1 23	22 3	0 13	15 43	2 4	0 49	0 43	16 45	0 8	20 56	2 20	23 17	23 18	21 52	4 54	2 49
T 11	23 9	23 22	0 36	25 17	1 49	21 10	2 10	7 47	1 23	22 4	0 14	15 45	2 4	0 49	0 43	16 46	0 8	20 56	2 20	23 17	23 18	21 53	4 55	2 49
F 12	23 13	22 58	0s30	25 18	1 52	20 53	2 8	8 3	1 23	22 5	0 14	15 47	2 4	0 50	0 43	16 46	0 8	20 56	2 19	23 17	23 17	21 53	4 55	2 49
S 13	23 16	21 30	1 36	25 17	1 55	20 35	2 6	8 20	1 22	22 6	0 14	15 49	2 4	0 50	0 44	16 46	0 8	20 56	2 19	23 17	23 17	21 54	4 56	2 49
S 14	23 19	19 2	2 38	25 13	1 57	20 16	2 4	8 36	1 22	22 7	0 14	15 51	2 4	0 50	0 44	16 46	0 8	20 56	2 19	23 17	23 17	21 55	4 56	2 49
M15	23 22	15 40	3 33	25 7	1 58	19 57	2 1	8 52	1 22	22 8	0 14	15 52	2 4	0 51	0 44	16 47	0 8	20 56	2 19	23 17	23 17	21 56	4 57	2 49
T 16	23 24	11 34	4 19	24 59	1 59	19 38	1 59	9 8	1 22	22 9	0 14	15 54	2 4	0 51	0 44	16 47	0 8	20 56	2 19	23 17	23 17	21 56	4 58	2 49
W17	23 26	6 52	4 53	24 48	1 59	19 18	1 56	9 24	1 21	22 11	0 15	15 56	2 4	0 52	0 44	16 47	0 8	20 56	2 19	23 17	23 17	21 57	4 58	2 49
T 18	23 27	1 47	5 13	24 36	1 58	18 58	1 53	9 40	1 21	22 12	0 15	15 58	2 4	0 52	0 44	16 48	0 8	20 56	2 19	23 17	23 16	21 58	4 59	2 49
F 19	23 28	3s31	5 17	24 21	1 56	18 38	1 50	9 56	1 21	22 13	0 15	15 59	2 4	0 52	0 44	16 48	0 8	20 56	2 19	23 17	23 16	21 58	4 59	2 50
S 20	23 29	8 47	5 2	24 6	1 54	18 17	1 47	10 11	1 20	22 14	0 15	16 1	2 4	0 53	0 44	16 48	0 8	20 56	2 19	23 17	23 16	21 59	5 0	2 50
S 21	23 29	13 44	4 30	23 48	1 51	17 56	1 44	10 27	1 20	22 15	0 15	16 2	2 4	0 53	0 44	16 49	0 8	20 56	2 19	23 17	23 16	22 0	5 0	2 50
M22	23 29	18 0	3 39	23 29	1 48	17 34	1 41	10 42	1 20	22 16	0 15	16 4	2 5	0 53	0 44	16 49	0 8	20 56	2 19	23 17	23 16	22 0	5 1	2 50
T 23	23 28	21 14	2 34	23 9	1 43	17 12	1 37	10 57	1 19	22 17	0 16	16 6	2 5	0 54	0 44	16 49	0 8	20 55	2 19	23 17	23 15	22 1	5 1	2 50
W24	23 27	23 4	1 17	22 47	1 39	16 50	1 34	11 13	1 19	22 19	0 16	16 7	2 5	0 54	0 44	16 49	0 8	20 55	2 19	23 17	23 15	22 2	5 1	2 50
T 25	23 25	23 14	0n 6	22 24	1 33	16 28	1 30	11 28	1 19	22 20	0 16	16 9	2 5	0 54	0 44	16 50	0 9	20 55	2 19	23 17	23 15	22 2	5 2	2 50
F 26	23 23	21 45	1 27	22 1	1 27	16 5	1 26	11 43	1 18	22 21	0 16	16 10	2 5	0 54	0 44	16 50	0 9	20 55	2 19	23 17	23 15	22 3	5 2	2 50
S 27	23 21	18 48	2 42	21 36	1 21	15 42	1 22	11 57	1 18	22 22	0 16	16 12	2 5	0 55	0 44	16 51	0 9	20 55	2 18	23 17	23 15	22 4	5 2	2 50
S 28	23 18	14 46	3 44	21 11	1 14	15 19	1 18	12 12	1 17	22 23	0 16	16 13	2 5	0 55	0 44	16 51	0 9	20 55	2 18	23 17	23 15	22 4	5 3	2 50
M29	23 15	10 1	4 31	20 45	1 6	14 56	1 13	12 26	1 17	22 25	0 16	16 15	2 5	0 55	0 44	16 51	0 9	20 55	2 18	23 17	23 14	22 5	5 3	2 50
T 30	23n11	4s55	5n 2	20n18	0n58	14n32	1n 9	12n41	1s17	22s26	0s17	16n16	2s 5	0n55	0s44	16s52	0s 9	20n55	2s18	23s16	23s14	22n 6	5n 3	2n51

ASTRODIENST EPHEMERIS for the year 1676
geocentric

JULY 1676 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	18 39 18	9 ⁵⁵ 44'53	18 ¹⁸ 23	5 ⁰¹ 1	25 ⁰¹ 13	7 ⁴⁵	18 ⁰⁴ 22	22 ⁰⁵ 5	4 ⁰⁰ 0	13 ⁰⁴ 45	8 ⁵⁸ 18	22 ⁰³ 35	21 ⁰⁷ 54	0 ¹¹ 17	6 ⁰⁹ 10	W 1
T 2	18 43 15	10 ⁰⁴ 20'04	1 ⁰⁷ 7	6 ¹⁷	26 ¹⁰	8 ²⁷	18 ⁰³ 35	22 ⁰¹ 11	4 ⁰ 1	13 ⁰⁴ 43	8 ²⁰	22 ⁰⁷ 34	21 ⁰⁵ 51	0 ²³	6 ¹⁰	T 2
F 3	18 47 11	11 ⁰³ 39'15	13 ⁰³	7 ³⁰	27 ⁰ 6	9 ¹⁰	18 ⁰² 27	22 ⁰¹ 17	4 ⁰ 1	13 ⁰⁴ 42	8 ²¹	22 ⁰³ 34	21 ⁰⁴ 48	0 ³⁰	6 ¹⁰	F 3
S 4	18 51 8	12 ⁰³ 36'27	25 ³⁸	8 ⁴¹	28 ⁰ 3	9 ⁵²	18 ⁰¹ 19	22 ⁰² 23	4 ⁰ 1	13 ⁰⁴ 41	8 ²³	22 ⁰³ 34	21 ⁰⁴ 45	0 ³⁷	6 ¹¹	S 4
S 5	18 55 5	13 ⁰³ 33'40	7 ³⁵	9 ⁵⁰	28 ⁵⁸	10 ³⁵	18 ⁰¹ 2	22 ⁰² 28	4 ⁰ 1	13 ⁰³ 39	8 ²⁵	22 ⁰³ 36	21 ⁰⁴ 41	0 ⁴³	6 ¹¹	S 5
M 6	18 59 1	14 ⁰³ 30'52	19 ²⁵	10 ⁵⁵	29 ⁵⁴	11 ¹⁷	18 ⁰ 4	22 ⁰³ 34	4 ⁰ 1	13 ⁰³ 38	8 ²⁶	22 ⁰³ 37	21 ⁰³ 38	0 ⁵⁰	6 ¹¹	M 6
T 7	19 2 58	15 ⁰² 28'05	1 ¹¹ 12	11 ⁵⁸	0 ¹⁰ 48	11 ⁵⁹	17 ⁵⁶	22 ⁰⁴ 0	4 ⁰ 1	13 ⁰³ 37	8 ²⁸	22 ⁰³ 39	21 ⁰³ 35	0 ⁵⁷	6 ¹¹	T 7
W 8	19 6 54	16 ⁰² 25'19	13 ⁰ 2	12 ⁵⁸	1 ⁴³	12 ⁴¹	17 ⁴⁹	22 ⁰⁴ 6	4 ⁰ R 2	13 ⁰³ 35	8 ²⁹	22 ⁰⁴ 0	21 ⁰³ 32	1 ⁰ 3	6 ¹¹	W 8
T 9	19 10 51	17 ⁰² 22'33	24 ⁵⁷	13 ⁵⁴	2 ³⁶	13 ²³	17 ⁴¹	22 ⁰⁵ 1	4 ⁰ 2	13 ⁰³ 34	8 ³¹	22 ⁰⁴ R40	21 ⁰² 29	1 ¹⁰	6 ¹¹	T 9
F 10	19 14 47	18 ⁰¹ 19'48	7 ³⁵ 0	14 ⁴⁸	3 ²⁹	14 ⁵	17 ³³	22 ⁰⁵ 7	4 ⁰ 1	13 ⁰³ 32	8 ³²	22 ⁰³ 39	21 ⁰² 26	1 ¹⁷	6 ¹¹	F 10
S 11	19 18 44	19 ⁰¹ 17'03	19 ⁰ 13	15 ³⁸	4 ²²	14 ⁴⁶	17 ²⁵	23 ⁰ 2	4 ⁰ 1	13 ⁰³ 31	8 ³⁴	22 ⁰³ 37	21 ⁰² 22	1 ²³	6 ¹¹	S 11
S 12	19 22 40	20 ⁰¹ 14'18	1 ⁰¹ 38	16 ²⁵	5 ¹⁴	15 ²⁸	17 ¹⁸	23 ⁰ 8	4 ⁰ 1	13 ⁰² 29	8 ³⁵	22 ⁰³ 34	21 ⁰¹ 19	1 ³⁰	6 ¹¹	S 12
M13	19 26 37	21 ⁰¹ 11'34	14 ⁰ 16	17 ⁰ 8	6 ⁵	16 ¹⁰	17 ¹⁰	23 ⁰ 13	4 ⁰ 1	13 ⁰² 28	8 ³⁷	22 ⁰³ 30	21 ⁰¹ 16	1 ³⁷	6 ¹¹	M13
T 14	19 30 34	22 ⁰ 8'50	27 ⁰ 8	17 ⁴⁸	6 ⁵⁶	16 ⁵¹	17 ⁰ 2	23 ⁰ 18	4 ⁰ 1	13 ⁰² 26	8 ³⁸	22 ⁰² 25	21 ⁰¹ 13	1 ⁴³	6 ¹⁰	T 14
W15	19 34 30	23 ⁰ 6'07	10 ¹⁰ 13	18 ²⁴	7 ⁴⁶	17 ³²	16 ⁵⁵	23 ⁰ 23	4 ⁰ 1	13 ⁰² 25	8 ⁴⁰	22 ⁰² 21	21 ⁰¹ 10	1 ⁵⁰	6 ¹⁰	W15
T 16	19 38 27	24 ⁰ 3'23	23 ⁰ 33	18 ⁵⁵	8 ³⁵	18 ⁰ 13	16 ⁴⁷	23 ⁰ 28	4 ⁰ 0	13 ⁰² 23	8 ⁴¹	22 ⁰¹ 17	21 ⁰ 7	1 ⁵⁷	6 ¹⁰	T 16
F 17	19 42 23	25 ⁰ 0'40	7 ⁴⁵ 6	19 ²³	9 ²³	18 ⁵⁵	16 ³⁹	23 ⁰ 33	4 ⁰ 0	13 ⁰² 22	8 ⁴³	22 ⁰¹ 14	21 ⁰ 3	2 ⁰ 3	6 ⁹	F 17
S 18	19 46 20	25 ⁰ 57'57	20 ⁰ 53	19 ⁴⁶	10 ¹¹	19 ³⁶	16 ³²	23 ⁰ 38	3 ⁵⁹	13 ⁰² 20	8 ⁴⁴	22 ⁰¹ D13	21 ⁰ 0	2 ¹⁰	6 ⁹	S 18
S 19	19 50 16	26 ⁰ 55'15	4 ¹¹ 54	20 ⁰ 5	10 ⁵⁸	20 ¹⁶	16 ²⁴	23 ⁰ 43	3 ⁵⁹	13 ⁰¹ 19	8 ⁴⁵	22 ⁰¹ 13	20 ⁵⁷	2 ¹⁷	6 ⁸	S 19
M20	19 54 13	27 ⁰ 52'33	3 ¹⁰ 7	20 ¹⁹	11 ⁴⁴	20 ⁵⁷	16 ¹⁷	23 ⁰ 48	3 ⁵⁸	13 ⁰¹ 17	8 ⁴⁷	22 ⁰¹ 14	20 ⁵⁴	2 ²³	6 ⁸	M20
T 21	19 58 9	28 ⁰ 49'52	3 ¹⁰ 32	20 ²⁸	12 ³⁰	21 ³⁸	16 ⁹	23 ⁰ 53	3 ⁵⁸	13 ⁰¹ 16	8 ⁴⁸	22 ⁰¹ 15	20 ⁵¹	2 ³⁰	6 ⁷	T 21
W22	20 2 6	29 ⁰ 47'11	18 ⁰ 4	20 ⁰ R33	13 ¹⁴	22 ¹⁹	16 ²	23 ⁰ 57	3 ⁵⁷	13 ⁰¹ 14	8 ⁵⁰	22 ⁰¹ R16	20 ⁴⁷	2 ³⁷	6 ⁶	W22
T 23	20 6 3	0 ⁰¹ 44'30	2 ¹⁰ 340	20 ³²	13 ⁵⁸	22 ⁵⁹	15 ⁵⁵	24 ⁰ 2	3 ⁵⁶	13 ⁰¹ 13	8 ⁵¹	22 ⁰¹ 16	20 ⁴⁴	2 ⁴³	6 ⁶	T 23
F 24	20 9 59	1 ⁴¹ '50	17 ¹⁵	20 ²⁶	14 ⁴⁰	23 ³⁹	15 ⁴⁸	24 ⁰ 6	3 ⁵⁶	13 ⁰¹ 11	8 ⁵³	22 ⁰¹ 14	20 ⁴¹	2 ⁵⁰	6 ⁵	F 24
S 25	20 13 56	2 ³⁹ '11	1 ⁴¹ 41	20 ¹⁵	15 ²²	24 ²⁰	15 ⁴¹	24 ⁰ 11	3 ⁵⁵	13 ⁰ 9	8 ⁵⁴	22 ⁰¹ 10	20 ³⁸	2 ⁵⁶	6 ⁴	S 25
S 26	20 17 52	3 ³⁶ '32	15 ⁵⁴	19 ⁵⁹	16 ²	25 ⁰ 0	15 ³⁴	24 ⁰ 15	3 ⁵⁴	13 ⁰ 8	8 ⁵⁵	22 ⁰ 4	20 ³⁵	3 ⁰ 3	6 ³	S 26
M27	20 21 49	4 ³³ '55	29 ⁴⁹	19 ³⁸	16 ⁴¹	25 ⁴⁰	15 ²⁷	24 ⁰ 19	3 ⁵³	13 ⁰ 6	8 ⁵⁷	21 ⁵⁸	20 ³²	3 ¹⁰	6 ²	M27
T 28	20 25 45	5 ³¹ '18	13 ¹⁰ 21	19 ¹²	17 ²⁰	26 ²⁰	15 ²⁰	24 ⁰ 24	3 ⁵²	13 ⁰ 5	8 ⁵⁸	21 ⁵¹	20 ²⁸	3 ¹⁶	6 ¹	T 28
W29	20 29 42	6 ²⁸ '43	26 ²⁹	18 ⁴²	17 ⁵⁷	27 ⁰ 0	15 ¹³	24 ⁰ 28	3 ⁵²	13 ⁰ 3	9 ⁰ 0	21 ⁴⁵	20 ²⁵	3 ²³	6 ⁰	W29
T 30	20 33 38	7 ²⁶ '08	9 ⁰⁹ 14	18 ⁰ 7	18 ³³	27 ³⁹	15 ⁶	24 ⁰ 32	3 ⁵¹	13 ⁰ 1	9 ⁰ 1	21 ⁴⁰	20 ²²	3 ³⁰	5 ⁵⁹	T 30
F 31	20 37 35	8 ⁰² '35	21 ⁰⁹ 40	17 ⁰² 28	19 ¹⁰ 8	28 ⁰⁸ 19	15 ⁰ 0	24 ⁰ 35	3 ⁰⁹ 49	13 ⁰ 0	9 ⁰⁵ 2	21 ⁰⁷ 36	20 ⁰⁷ 19	3 ¹¹ 36	5 ⁰⁹ 58	F 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	23n 7	0n14	5n15	19n51	0n50	14n 9	1n 4	12n55	1s16	22s27	0s17	16n18	2s 5	0n55	0s44	16s52	0s 9	20n55	2s18	23s16	23s14	22n 6	5n 4	2n51							
T 2	23 3	5 13	5 13	19 24	0 41	13 45	0 59	13 9	1 16	22 28	0 17	16 19	2 6	0 55	0 44	16 52	0 9	20 55	2 18	23 16	23 14	22 7	5 4	2 51							
F 3	22 58	9 52	4 55	18 56	0 31	13 20	0 54	13 23	1 15	22 29	0 17	16 21	2 6	0 55	0 44	16 53	0 9	20 55	2 18	23 16	23 14	22 7	5 4	2 51							
S 4	22 53	14 2	4 25	18 28	0 21	12 56	0 49	13 37	1 15	22 31	0 17	16 22	2 6	0 55	0 44	16 53	0 9	20 55	2 18	23 16	23 13	22 8	5 4	2 51							
S 5	22 47	17 35	3 44	18 0	0 11	12 32	0 43	13 51	1 14	22 32	0 17	16 23	2 6	0 55	0 44	16 54	0 9	20 55	2 18	23 16	23 13	22 9	5 4	2 51							
M 6	22 41	20 23	2 53	17 31	0 0	12 7	0 38	14 4	1 14	22 33	0 18	16 25	2 6	0 55	0 44	16 54	0 9	20 55	2 18	23 16	23 13	22 9	5 5	2 51							
T 7	22 35	22 19	1 56	17 3	0s11	11 42	0 32	14 18	1 13	22 34	0 18	16 26	2 6	0 55	0 44	16 54	0 9	20 55	2 18	23 17	23 12	22 10	5 5	2 51							
W 8	22 28	23 17	0 53	16 35	0 23	11 17	0 26	14 31	1 13	22 35	0 18	16 27	2 6	0 55	0 44	16 55	0 9	20 55	2 18	23 17	23 13	22 10	5 5	2 51							
T 9	22 21	23 11	0s13	16 8	0 35	10 53	0 20	14 44	1 12	22 36	0 18	16 29	2 6	0 55	0 44	16 55	0 9	20 55	2 18	23 17	23 12	22 11	5 5	2 51							
F 10	22 13	22 0	1 18	15 41	0 47	10 28	0 14	14 57	1 12	22 38	0 18	16 30	2 7	0 55	0 44	16 56	0 9	20 55	2 18	23 17	23 12	22 11	5 5	2 51							
S 11	22 5	19 47	2 21	15 14	0 59	10 2	0 7	15 10	1 11	22 39	0 18	16 31	2 7	0 55	0 44	16 56	0 9	20 55	2 18	23 16	23 12	22 12	5 5	2 52							
S 12	21 57	16 37	3 18	14 48	1 12	9 37	0 1	15 22	1 11	22 40	0 18	16 32	2 7	0 55	0 44	16 57	0 9	20 55	2 18	23 16	23 12	22 13	5 5	2 52							
M13	21 48	12 39	4 6	14 23	1 25	9 12	0s 6	15 35	1 10	22 41	0 19	16 34	2 7	0 55	0 45	16 57	0 9	20 55	2 18	23 16	23 12	22 13	5 5	2 52							
T 14	21 39	8 3	4 43	13 58	1 38	8 47	0 13	15 47	1 10	22 42	0 19	16 35	2 7	0 55	0 45	16 57	0 9	20 55	2 18	23 16	23 11	22 14	5 5	2 52							
W15	21 30	3 2	5 6	13 34	1 52	8 22	0 20	15 59	1 9	22 43	0 19	16 36	2 7	0 55	0 45	16 58	0 9	20 55	2 18	23 16	23 11	22 14	5 5	2 52							
T 16	21 20	2s13	5 12	13 12	2 5	7 57	0 27	16 12	1 8	22 44	0 19	16 37	2 7	0 55	0 45	16 58	0 9	20 55	2 18	23 15	23 11	22 15	5 5	2 52							
F 17	21 10	7 27	5 2	12 50	2 19	7 32	0 35	16 23	1 8	22 45	0 19	16 38	2 8	0 55	0 45	16 59	0 9	20 54	2 17	23 15	23 11	22 15	5 5	2 52							
S 18	20 59	12 24	4 34	12 30	2 32	7 6	0 42	16 35	1 7	22 46	0 19	16 39	2 8	0 54	0 45	16 59	0 9	20 54	2 17	23 15	23 10	22 16	5 5	2 52							
S 19	20 49	16 47	3 50	12 12	2 46	6 41	0 50	16 47	1 6	22 47	0 19	16 40	2 8	0 54	0 45	17 0	0 9	20 54	2 17	23 15	23 10	22 16	5 5	2 52							
M20	20 37	20 16	2 51	11 55	2 59	6 16	0 58	16 58	1 6	22 49	0 19	16 41	2 8	0 54	0 45	17 0	0 9	20 54	2 17	23 15	23 10	22 17	5 4	2 52							
T 21	20 26	22 32	1 40	11 39	3 12	5 52	1 6	17 9	1 5	22 50	0 20	16 42	2 8	0 54	0 45	17 1	0 9	20 54	2 17	23 15	23 10	22 17	5 4	2 52							
W22	20 14	23 19	0 23	11 26	3 25	5 27	1 15	17 20	1 5	22 51	0 20	16 43	2 8	0 53	0 45	17 1	0 9	20 54	2 17	23 15	23 10	22 18	5 4	2 52							
T 23	20 2	22 31	0n56	11 14	3 37	5 2	1 23	17 31	1 4	22 52	0 20	16 44	2 9	0 53	0 45	17 1	0 9	20 54	2 17	23 15	23 9	22 18	5 4	2 53							
F 24	19 49	20 11	2 12	11 4	3 49	4 38	1 32	17 42	1 3	22 52	0 20	16 45	2 9	0 53	0 45	17 2	0 9	20 54	2 17	23 15	23 9	22 19	5 4	2 53							
S 25	19 36	16 36	3 18	10 57	4 1	4 14	1 41	17 53	1 3	22 53	0 20	16 46	2 9	0 52	0 45	17 2	0 9	20 54	2 17	23 15	23 9	22 19	5 3	2 53							
S 26	19 23	12 7	4 10	10 52	4 11	3 50	1 50	18 3	1 2	22 54	0 20	16 47	2 9	0 52	0 45	17 3	0 9	20 54	2 17	23 15	23 9	22 20	5 3	2 53							
M27	19 9	7 5	4 47	10 49	4 21	3 26	1 59	18 13	1 1	22 55	0 20	16 48	2 9	0 52	0 45	17 3	0 9	20 54	2 17	23 14	23 9	22 20	5 3	2 53							
T 28	18 55	1 51	5 6	10 49	4 30	3 2	2 9	18 23	1 0	22 56	0 20	16 49	2 9	0 51	0 45	17 4	0 9	20 54	2 17	23 14	23 8	22 21	5 2	2 53							
W29	18 41	3n19	5 8	10 51	4 37	2 39	2 18	18 33	1 0	22 57	0 21	16 49	2 10	0 51	0 45	17 4	0 9	20 54	2 17	23 13	23 8	22 21	5 2	2 53							
T 30	18 27	8 11	4 55	10 56	4 37	2 16	2 28	18 43	0 59	22 58	0 21	16 50	2 10	0 50	0 45	17 5	0 9	20 54	2 17	23 13	23 8	22 22	5 2	2 53							
F 31	18n12	12n36	4n28	11n 3	4s48	1n53	2s38	18n52	0s58	22s59	0s21	16n51	2s10	0n50	0s45	17s 5	0s 9	20n54	2s17	23s13	23s 8	22n22	5n 1	2n53							

ASTRODIENST EPHEMERIS for the year 1676

geocentric

AUGUST 1676 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 41 32	9♏21'03	3♌48	16°R46	19♍41	28♌58	14°R53	24♌39	3°R48	12°R58	9♎4	21°R35	20♌16	3♏43	5°R57	S 1
S 2	20 45 28	10°18'33	15°45	16♏1	20°13	29°37	14♌47	24°43	3°Y47	12♎57	9°5	21°D34	20°12	3°50	5°Y55	S 2
M 3	20 49 25	11°16'04	27°35	15°15	20°44	0♏17	14°41	24°47	3°46	12°55	9°6	21♌35	20°9	3°56	5°54	M 3
T 4	20 53 21	12°13'36	9♏23	14°27	21°13	0°56	14°35	24°50	3°45	12°53	9°8	21°37	20°6	4°3	5°53	T 4
W 5	20 57 18	13°11'10	21°15	13°38	21°41	1°35	14°29	24°54	3°44	12°52	9°9	21°R37	20°3	4°10	5°51	W 5
T 6	21 1 14	14°8'45	3♎15	12°50	22°7	2°13	14°23	24°57	3°42	12°50	9°10	21°37	20°0	4°16	5°50	T 6
F 7	21 5 11	15°6'21	15°27	12°4	22°32	2°52	14°17	25°0	3°41	12°48	9°12	21°34	19°57	4°23	5°48	F 7
S 8	21 9 7	16°3'59	27°53	11°20	22°55	3°31	14°12	25°3	3°40	12°47	9°13	21°29	19°53	4°30	5°47	S 8
S 9	21 13 4	17°1'38	10♏35	10°39	23°16	4°9	14°6	25°6	3°38	12°45	9°14	21°22	19°50	4°36	5°45	S 9
M10	21 17 1	17°59'18	23°33	10°3	23°36	4°47	14°1	25°9	3°37	12°43	9°15	21°13	19°47	4°43	5°44	M10
T 11	21 20 57	18°56'59	6♏48	9°31	23°54	5°25	13°56	25°12	3°35	12°42	9°17	21°3	19°44	4°50	5°42	T 11
W12	21 24 54	19°54'42	20°16	9°5	24°9	6°3	13°51	25°15	3°34	12°40	9°18	20°53	19°41	4°56	5°40	W12
T 13	21 28 50	20°52'26	3♎57	8°46	24°23	6°41	13°46	25°18	3°32	12°39	9°19	20°45	19°38	5°3	5°39	T 13
F 14	21 32 47	21°50'11	17°47	8°33	24°35	7°19	13°41	25°20	3°31	12°37	9°20	20°38	19°34	5°10	5°37	F 14
S 15	21 36 43	22°47'57	1♏44	8°D27	24°45	7°56	13°37	25°23	3°29	12°35	9°21	20°34	19°31	5°16	5°35	S 15
S 16	21 40 40	23°45'44	15°46	8°29	24°52	8°34	13°33	25°25	3°27	12°34	9°23	20°32	19°28	5°23	5°33	S 16
M17	21 44 36	24°43'33	29°53	8°38	24°58	9°11	13°29	25°27	3°26	12°32	9°24	20°D32	19°25	5°29	5°31	M17
T 18	21 48 33	25°41'22	14♌3	8°55	25°1	9°48	13°25	25°29	3°24	12°31	9°25	20°R33	19°22	5°36	5°29	T 18
W19	21 52 30	26°39'13	28°15	9°20	25°R1	10°25	13°21	25°31	3°22	12°29	9°26	20°33	19°18	5°43	5°27	W19
T 20	21 56 26	27°37'05	12♌26	9°53	25°0	11°1	13°17	25°33	3°20	12°27	9°27	20°31	19°15	5°49	5°25	T 20
F 21	22 0 23	28°34'59	26°35	10°33	24°56	11°38	13°14	25°35	3°19	12°26	9°28	20°27	19°12	5°56	5°23	F 21
S 22	22 4 19	29°32'53	10♎38	11°21	24°50	12°14	13°10	25°37	3°17	12°24	9°29	20°20	19°9	6°3	5°21	S 22
S 23	22 8 16	0♏30'49	24°31	12°16	24°41	12°50	13°7	25°39	3°15	12°23	9°30	20°10	19°6	6°9	5°19	S 23
M24	22 12 12	1°28'47	8♌9	13°18	24°30	13°26	13°4	25°40	3°13	12°21	9°31	19°59	19°3	6°16	5°17	M24
T 25	22 16 9	2°26'46	21°30	14°27	24°17	14°2	13°2	25°42	3°11	12°20	9°32	19°48	18°59	6°23	5°14	T 25
W26	22 20 5	3°24'47	4°Y31	15°42	24°1	14°38	12°59	25°43	3°9	12°18	9°33	19°37	18°56	6°29	5°12	W26
T 27	22 24 2	4°22'50	17°12	17°3	23°43	15°14	12°57	25°44	3°7	12°17	9°34	19°27	18°53	6°36	5°10	T 27
F 28	22 27 59	5°20'54	29°35	18°29	23°22	15°49	12°54	25°45	3°5	12°15	9°35	19°20	18°50	6°43	5°8	F 28
S 29	22 31 55	6°19'01	11♌43	20°0	23°0	16°24	12°52	25°46	3°3	12°14	9°36	19°15	18°47	6°49	5°5	S 29
S 30	22 35 52	7°17'10	23°39	21°36	22°35	16°59	12°51	25°47	3°1	12°12	9°37	19°13	18°44	6°56	5°3	S 30
M31	22 39 48	8♏15'20	5♏29	23♏15	22♏8	17♏34	12♌49	25♌48	2°Y59	12♎11	9♎38	19°D12	18♌40	7♏3	5°Y1	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	17n57	16n24	3n49	11n13	4s51	1n31	2s48	19n2	0s57	23s0	0s21	16n52	2s10	0n50	0s45	17s6	0s9
S 2	17 41	19 29	3 1	11 24	4 52	1 9	2 59	19 11	0 57	23 0	0 21	16 52	2 10	0 49	0 45	17 6	0 9
M 3	17 26	21 42	2 6	11 38	4 52	0 47	3 9	19 20	0 56	23 1	0 21	16 53	2 10	0 49	0 45	17 7	0 9
T 4	17 10	22 59	1 6	11 54	4 50	0 25	3 20	19 29	0 55	23 2	0 21	16 54	2 11	0 48	0 45	17 7	0 9
W 5	16 53	23 13	0 2	12 12	4 46	0 5	3 31	19 38	0 54	23 3	0 21	16 55	2 11	0 48	0 45	17 8	0 9
T 6	16 37	22 24	1s2	12 31	4 40	0s16	3 42	19 46	0 53	23 3	0 21	16 55	2 11	0 47	0 45	17 8	0 9
F 7	16 20	20 31	2 5	12 51	4 32	0 36	3 53	19 55	0 53	23 4	0 22	16 56	2 11	0 47	0 45	17 9	0 9
S 8	16 3	17 39	3 2	13 12	4 23	0 55	4 4	20 3	0 52	23 5	0 22	16 56	2 11	0 46	0 45	17 9	0 9
S 9	15 46	13 54	3 52	13 33	4 12	1 14	4 15	20 11	0 51	23 6	0 22	16 57	2 11	0 45	0 45	17 9	0 9
M10	15 28	9 26	4 30	13 55	3 59	1 32	4 27	20 19	0 50	23 6	0 22	16 57	2 12	0 45	0 45	17 10	0 9
T 11	15 10	4 27	4 55	14 17	3 45	1 50	4 38	20 26	0 49	23 7	0 22	16 58	2 12	0 44	0 45	17 10	0 9
W12	14 52	0s49	5 5	14 38	3 30	2 7	4 50	20 34	0 48	23 7	0 22	16 58	2 12	0 44	0 45	17 11	0 9
T 13	14 34	6 6	4 57	14 58	3 14	2 23	5 2	20 41	0 47	23 8	0 22	16 59	2 12	0 43	0 45	17 11	0 9
F 14	14 15	11 10	4 31	15 18	2 58	2 38	5 13	20 48	0 46	23 9	0 22	16 59	2 12	0 42	0 45	17 12	0 9
S 15	13 56	15 41	3 50	15 36	2 40	2 53	5 25	20 55	0 46	23 9	0 22	17 0	2 13	0 42	0 45	17 12	0 9
S 16	13 37	19 22	2 54	15 53	2 23	3 7	5 37	21 2	0 45	23 10	0 22	17 0	2 13	0 41	0 45	17 13	0 9
M17	13 18	21 55	1 48	16 7	2 5	3 20	5 49	21 9	0 44	23 10	0 22	17 0	2 13	0 40	0 46	17 13	0 9
T 18	12 59	23 6	0 35	16 20	1 47	3 32	6 0	21 15	0 43	23 11	0 22	17 1	2 13	0 39	0 46	17 14	0 9
W19	12 39	22 47	0n41	16 31	1 29	3 43	6 12	21 22	0 42	23 11	0 23	17 1	2 13	0 39	0 46	17 14	0 9
T 20	12 19	21 1	1 54	16 39	1 12	3 53	6 24	21 28	0 41	23 12	0 23	17 1	2 14	0 38	0 46	17 15	0 9
F 21	11 59	17 56	2 59	16 45	0 55	4 2	6 35	21 34	0 40	23 12	0 23	17 1	2 14	0 37	0 46	17 15	0 9
S 22	11 39	13 51	3 53	16 48	0 38	4 9	6 46	21 40	0 39	23 12	0 23	17 2	2 14	0 37	0 46	17 15	0 9
S 23	11 19	9 5	4 33	16 48	0 22	4 16	6 57	21 45	0 38	23 13	0 23	17 2	2 14	0 36	0 46	17 16	0 9
M24	10 58	3 57	4 56	16 45	0 7	4 22	7 8	21 51	0 37	23 13	0 23	17 2	2 14	0 35	0 46	17 16	0 9
T 25	10 37	1n15	5 2	16 39	0n8	4 26	7 19	21 56	0 36	23 13	0 23	17 2	2 15	0 34	0 46	17 17	0 9
W26	10 16	6 16	4 52	16 30	0 21	4 29	7 29	22 1	0 35	23 14	0 23	17 2	2 15	0 33	0 46	17 17	0 9
T 27	9 55	10 53	4 28	16 18	0 34	4 31	7 38	22 6	0 34	23 14	0 23	17 2	2 15	0 33	0 46	17 18	0 9
F 28	9 34	14 57	3 51	16 2	0 46	4 31	7 47	22 11	0 32	23 14	0 23	17 2	2 15	0 32	0 46	17 18	0 9
S 29	9 13	18 18	3 5	15 44	0 56	4 30	7 56	22 16	0 31	23 15	0 23	17 3	2 15	0 31	0 46	17 18	0 9
S 30	8 51	20 50	2 11	15 22	1 6	4 28	8 4	22 20	0 30	23 15	0 23	17 3	2 16	0 30	0 46	17 19	0 9
M31	8n29	22n26	1n12	14n58	1n15	4s24	8s12	22n25	0s29	23s15	0s23	17n3	2s16	0n29	0s46	17s19	0s9

Julian Day Number = 2333419.5, Delta T = 25.66 sec
 Ecliptic obliquity = 23°28'51, Nutation = 0°00'18, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 20°13'33, Lahiri = 19°20'33Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1676

geocentric

OCTOBER 1676 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	0 42 1	8♂34'32	19♂4 4	18♂42	8♂56	3♂35	13♂34	25°R19	1°R46	11°R37	9♂55	16°R14	17♂2 2	10♂29	3°R37	T 1
F 2	0 45 58	9°33'46	1♂21	20°18	8°58	4° 2	13°38	25♂17	1°Y44	11°36	9°55	16♂12	16°59	10°35	3°Y34	F 2
S 3	0 49 54	10°33'01	13°59	21°54	9° 3	4°28	13°43	25°14	1°41	11°36	9°56	16° 8	16°55	10°42	3°32	S 3
S 4	0 53 51	11°32'19	26°59	23°29	9°11	4°54	13°47	25°11	1°39	11°35	9°56	16° 1	16°52	10°48	3°29	S 4
M 5	0 57 48	12°31'40	10♂26	25° 3	9°20	5°19	13°52	25° 9	1°37	11°34	9°56	15°52	16°49	10°55	3°26	M 5
T 6	1 1 44	13°31'02	24°17	26°37	9°32	5°44	13°58	25° 6	1°34	11°34	9°56	15°41	16°46	11° 2	3°23	T 6
W 7	1 5 41	14°30'27	8♂30	28°10	9°46	6° 9	14° 3	25° 3	1°32	11°33	9°56	15°31	16°43	11° 8	3°20	W 7
T 8	1 9 37	15°29'54	23° 1	29°42	10° 2	6°33	14° 8	24°59	1°30	11°33	9°56	15°22	16°40	11°15	3°18	T 8
F 9	1 13 34	16°29'23	7♂41	1♂13	10°20	6°57	14°14	24°56	1°27	11°32	9°56	15°15	16°36	11°22	3°15	F 9
S 10	1 17 30	17°28'54	22°23	2°44	10°39	7°20	14°20	24°53	1°25	11°32	9°R56	15°10	16°33	11°28	3°12	S 10
S 11	1 21 27	18°28'26	7♂1 1	4°14	11° 1	7°43	14°26	24°50	1°23	11°31	9°56	15° 8	16°30	11°35	3°10	S 11
M12	1 25 23	19°28'01	21°30	5°43	11°24	8° 6	14°32	24°46	1°20	11°31	9°56	15°D 8	16°27	11°42	3° 7	M12
T 13	1 29 20	20°27'37	5♂46	7°12	11°50	8°28	14°38	24°43	1°18	11°31	9°56	15° 9	16°24	11°48	3° 4	T 13
W14	1 33 17	21°27'16	19°47	8°40	12°17	8°49	14°45	24°39	1°16	11°30	9°56	15°R10	16°21	11°55	3° 2	W14
T 15	1 37 13	22°26'55	3♂34	10° 7	12°45	9°10	14°51	24°35	1°14	11°30	9°56	15° 9	16°17	12° 2	2°59	T 15
F 16	1 41 10	23°26'37	17° 6	11°34	13°15	9°31	14°58	24°31	1°12	11°30	9°56	15° 7	16°14	12° 8	2°57	F 16
S 17	1 45 6	24°26'20	0♂25	13° 0	13°47	9°51	15° 5	24°28	1° 9	11°30	9°55	15° 2	16°11	12°15	2°54	S 17
S 18	1 49 3	25°26'05	13°31	14°25	14°20	10°11	15°12	24°24	1° 7	11°29	9°55	14°55	16° 8	12°22	2°51	S 18
M19	1 52 59	26°25'51	26°24	15°49	14°55	10°31	15°19	24°20	1° 5	11°29	9°55	14°47	16° 5	12°28	2°49	M19
T 20	1 56 56	27°25'40	9°Y 5	17°13	15°30	10°49	15°26	24°16	1° 3	11°29	9°55	14°38	16° 1	12°35	2°46	T 20
W21	2 0 52	28°25'30	21°34	18°35	16° 8	11° 8	15°34	24°12	1° 1	11°29	9°55	14°29	15°58	12°41	2°44	W21
T 22	2 4 49	29°25'22	3♂52	19°57	16°46	11°25	15°42	24° 7	0°59	11°29	9°54	14°22	15°55	12°48	2°42	T 22
F 23	2 8 45	0♂25'17	15°58	21°17	17°26	11°43	15°49	24° 3	0°57	11°D29	9°54	14°16	15°52	12°55	2°39	F 23
S 24	2 12 42	1°25'13	27°56	22°37	18° 7	11°59	15°57	23°59	0°55	11°29	9°54	14°12	15°49	13° 1	2°37	S 24
S 25	2 16 39	2°25'11	9♂46	23°55	18°49	12°16	16° 5	23°54	0°53	11°29	9°53	14°D11	15°46	13° 8	2°34	S 25
M26	2 20 35	3°25'12	21°33	25°12	19°32	12°31	16°14	23°50	0°51	11°29	9°53	14°11	15°42	13°15	2°32	M26
T 27	2 24 32	4°25'15	3♂20	26°28	20°16	12°46	16°22	23°46	0°49	11°29	9°53	14°12	15°39	13°21	2°30	T 27
W28	2 28 28	5°25'19	15°11	27°42	21° 2	13° 1	16°30	23°41	0°47	11°30	9°52	14°14	15°36	13°28	2°28	W28
T 29	2 32 25	6°25'26	27°11	28°55	21°48	13°14	16°39	23°37	0°45	11°30	9°52	14°15	15°33	13°35	2°25	T 29
F 30	2 36 21	7°25'35	9♂26	0♂6	22°35	13°28	16°48	23°32	0°44	11°30	9°51	14°R16	15°30	13°41	2°23	F 30
S 31	2 40 18	8♂25'46	22♂0	1♂14	23♂23	13♂40	16♂57	23♂27	0°Y42	11°30	9°51	14°15	15°27	13°48	2°Y21	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	3s24	19n23	2s46	7s14	0n 7	2n59	5s40	23n39	0n13	23s12	0s25	16n50	2s21	0n 0	0s46	17s29
F 2	3 48	16 22	3 36	7 57	0s 0	3 10	5 27	23 40	0 15	23 12	0 25	16 50	2 22	0s 1	0 46	17 29
S 3	4 11	12 32	4 18	8 39	0 7	3 20	5 15	23 41	0 16	23 11	0 25	16 49	2 22	0 2	0 46	17 29
S 4	4 34	8 2	4 48	9 21	0 14	3 28	5 2	23 41	0 18	23 11	0 25	16 48	2 22	0 3	0 46	17 30
M 5	4 57	3 0	5 3	10 2	0 21	3 37	4 50	23 42	0 20	23 10	0 25	16 47	2 22	0 4	0 46	17 30
T 6	5 21	2s20	5 1	10 43	0 28	3 44	4 37	23 43	0 21	23 10	0 25	16 46	2 22	0 4	0 46	17 30
W 7	5 44	7 40	4 40	11 23	0 35	3 50	4 25	23 43	0 23	23 9	0 25	16 46	2 22	0 5	0 46	17 30
T 8	6 7	12 42	4 2	12 2	0 42	3 55	4 12	23 44	0 25	23 9	0 25	16 45	2 22	0 6	0 46	17 30
F 9	6 30	17 2	3 7	12 41	0 49	4 0	4 0	23 45	0 27	23 8	0 25	16 44	2 22	0 7	0 46	17 30
S 10	6 52	20 19	1 59	13 19	0 56	4 4	3 48	23 45	0 29	23 8	0 25	16 43	2 23	0 8	0 46	17 30
S 11	7 15	22 14	0 43	13 56	1 3	4 7	3 36	23 46	0 30	23 7	0 25	16 42	2 23	0 9	0 46	17 31
M12	7 38	22 38	0n34	14 33	1 9	4 9	3 25	23 46	0 32	23 6	0 25	16 41	2 23	0 10	0 46	17 31
T 13	8 0	21 33	1 49	15 8	1 16	4 10	3 13	23 47	0 34	23 6	0 25	16 40	2 23	0 11	0 46	17 31
W14	8 23	19 8	2 55	15 43	1 23	4 10	3 2	23 47	0 36	23 5	0 25	16 39	2 23	0 12	0 46	17 31
T 15	8 45	15 39	3 50	16 17	1 29	4 10	2 50	23 48	0 38	23 4	0 25	16 38	2 23	0 13	0 46	17 31
F 16	9 7	11 25	4 52	16 50	1 35	4 8	2 39	23 48	0 40	23 4	0 25	16 37	2 23	0 13	0 46	17 31
S 17	9 29	6 42	4 38	17 23	1 42	4 6	2 28	23 49	0 42	23 3	0 25	16 36	2 23	0 14	0 46	17 31
S 18	9 51	1 46	5 7	17 54	1 48	4 3	2 18	23 49	0 44	23 2	0 26	16 35	2 23	0 15	0 46	17 31
M19	10 13	3n10	5 1	18 25	1 53	4 0	2 7	23 50	0 46	23 1	0 26	16 34	2 23	0 16	0 46	17 31
T 20	10 35	7 54	4 40	18 54	1 59	3 55	1 57	23 50	0 48	23 1	0 26	16 33	2 24	0 17	0 46	17 31
W21	10 56	12 13	4 6	19 23	2 4	3 50	1 47	23 51	0 50	23 0	0 26	16 32	2 24	0 18	0 46	17 31
T 22	11 17	15 58	3 21	19 50	2 10	3 44	1 37	23 51	0 52	22 59	0 26	16 31	2 24	0 18	0 46	17 31
F 23	11 38	18 59	2 27	20 17	2 15	3 38	1 27	23 52	0 54	22 58	0 26	16 30	2 24	0 19	0 45	17 31
S 24	11 59	21 9	1 27	20 42	2 19	3 31	1 18	23 53	0 57	22 57	0 26	16 29	2 24	0 20	0 45	17 31
S 25	12 20	22 21	0 24	21 6	2 24	3 23	1 9	23 53	0 59	22 56	0 26	16 28	2 24	0 21	0 45	17 31
M26	12 41	22 33	0s40	21 29	2 28	3 14	1 0	23 54	1 1	22 55	0 26	16 26	2 24	0 21	0 45	17 31
T 27	13 1	21 44	1 43	21 51	2 32	3 5	0 51	23 55	1 3	22 54	0 26	16 25	2 24	0 22	0 45	17 31
W28	13 21	19 57	2 41	22 12	2 35	2 55	0 42	23 56	1 6	22 53	0 26	16 24	2 24	0 23	0 45	17 31
T 29	13 41	17 16	3 33	22 31	2 38	2 45	0 34	23 57	1 8	22 52	0 26	16 23	2 24	0 24	0 45	17 31
F 30	14 1	13 48	4 17	22 49	2 41	2 33	0 25	23 58	1 10	22 51	0 26	16 22	2 24	0 24	0 45	17 31
S 31	14s20	9n38	4s50	23s 6	2s43	2n22	0s17	23n59	1n13	22s50	0s26	16n21	2s24	0s25	0s45	17s31

Julian Day Number = 2333480.5, Delta T = 25.56 sec
 Ecliptic obliquity = 23°28'51", Nutation = 0°00'16", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 20°13'41", Lahiri = 19°20'42"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1676
geocentric

NOVEMBER 1676 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	2 44 14	9♉25'59	4♏57	2♊21	24♏12	13♌52	17♌6	23°R23	0°R40	11♏31	9°R50	14°R12	15♏23	13♏55	2°R19	S 1
M 2	2 48 11	10°26'14	18°21	3°25	25° 2	14° 3	17°15	23♏18	0°Y38	11°31	9♏50	14♏8	15°20	14° 1	2°Y17	M 2
T 3	2 52 8	11°26'31	2♏14	4°26	25°53	14°14	17°24	23°13	0°37	11°31	9°49	14° 3	15°17	14° 8	2°15	T 3
W 4	2 56 4	12°26'50	16°33	5°23	26°44	14°24	17°34	23° 9	0°35	11°32	9°49	13°58	15°14	14°14	2°13	W 4
T 5	3 0 1	13°27'11	1♏14	6°18	27°36	14°33	17°43	23° 4	0°33	11°32	9°48	13°54	15°11	14°21	2°11	T 5
F 6	3 3 57	14°27'34	16°11	7° 8	28°29	14°42	17°53	22°59	0°32	11°32	9°47	13°50	15° 7	14°28	2° 9	F 6
S 7	3 7 54	15°27'59	1♏15	7°53	29°23	14°49	18° 3	22°54	0°30	11°33	9°47	13°48	15° 4	14°34	2° 7	S 7
S 8	3 11 50	16°28'25	16°17	8°34	0♏17	14°57	18°13	22°49	0°29	11°34	9°46	13°D48	15° 1	14°41	2° 5	S 8
M 9	3 15 47	17°28'53	1♏8	9° 8	1°12	15° 3	18°23	22°44	0°27	11°34	9°45	13°49	14°58	14°48	2° 4	M 9
T 10	3 19 43	18°29'22	15°43	9°36	2° 7	15° 8	18°33	22°39	0°26	11°35	9°45	13°50	14°55	14°54	2° 2	T 10
W11	3 23 40	19°29'52	29°57	9°58	3° 3	15°13	18°43	22°35	0°25	11°35	9°44	13°52	14°52	15° 1	2° 0	W11
T 12	3 27 37	20°30'24	13♏50	10°11	4° 0	15°17	18°53	22°30	0°23	11°36	9°43	13°52	14°48	15° 8	1°59	T 12
F 13	3 31 33	21°30'57	27°21	10°R15	4°57	15°20	19° 4	22°25	0°22	11°37	9°42	13°R53	14°45	15°14	1°57	F 13
S 14	3 35 30	22°31'31	10♏32	10°11	5°55	15°23	19°14	22°20	0°21	11°37	9°42	13°51	14°42	15°21	1°55	S 14
S 15	3 39 26	23°32'06	23°25	9°56	6°53	15°25	19°25	22°15	0°20	11°38	9°41	13°49	14°39	15°28	1°54	S 15
M16	3 43 23	24°32'43	6♏2	9°31	7°52	15°25	19°36	22°10	0°19	11°39	9°40	13°47	14°36	15°34	1°52	M16
T 17	3 47 19	25°33'21	18°26	8°55	8°51	15°R25	19°47	22° 5	0°18	11°40	9°39	13°44	14°32	15°41	1°51	T 17
W18	3 51 16	26°34'00	0♏39	8° 9	9°51	15°25	19°58	22° 0	0°16	11°41	9°38	13°41	14°29	15°47	1°50	W18
T 19	3 55 12	27°34'40	12°43	7°12	10°51	15°23	20° 9	21°55	0°16	11°42	9°38	13°38	14°26	15°54	1°48	T 19
F 20	3 59 9	28°35'22	24°40	6° 7	11°52	15°21	20°20	21°50	0°15	11°43	9°37	13°37	14°23	16° 1	1°47	F 20
S 21	4 3 6	29°36'05	6♏31	4°54	12°53	15°17	20°31	21°46	0°14	11°44	9°36	13°36	14°20	16° 7	1°46	S 21
S 22	4 7 2	0♏36'49	18°19	3°35	13°54	15°13	20°42	21°41	0°13	11°44	9°35	13°D36	14°17	16°14	1°45	S 22
M23	4 10 59	1°37'35	0♏6	2°13	14°56	15° 8	20°54	21°36	0°12	11°46	9°34	13°36	14°13	16°21	1°44	M23
T 24	4 14 55	2°38'22	11°55	0°51	15°59	15° 2	21° 5	21°31	0°11	11°47	9°33	13°37	14°10	16°27	1°43	T 24
W25	4 18 52	3°39'11	23°48	29♏31	17° 1	14°56	21°17	21°26	0°11	11°48	9°32	13°38	14° 7	16°34	1°42	W25
T 26	4 22 48	4°40'01	5♏50	28°16	18° 4	14°48	21°29	21°22	0°10	11°49	9°31	13°39	14° 4	16°41	1°41	T 26
F 27	4 26 45	5°40'52	18° 4	27° 8	19° 8	14°40	21°41	21°17	0° 9	11°50	9°30	13°40	14° 1	16°47	1°40	F 27
S 28	4 30 41	6°41'45	0♏35	26° 9	20°12	14°30	21°52	21°12	0° 9	11°51	9°29	13°41	13°58	16°54	1°39	S 28
S 29	4 34 38	7°42'39	13°27	25°21	21°16	14°20	22° 4	21° 8	0° 8	11°52	9°28	13°R41	13°54	17° 1	1°38	S 29
M30	4 38 35	8♏43'35	26♏42	24♏44	22♏20	14♏9	22♏17	21♏3	0°Y8	11♏54	9♏27	13♏40	13♏51	17♏7	1°Y38	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
S 1	14s40	4n55	5s 9	23s21	2s44	2n10	0s10	24n 0	1n15	22s49	0s26	16n19	2s24	0s26	0s45	17s31	0s10	20n51	2s16	22s33	22s41	22n38	3n30	2n49	
M 2	14 59	0s10	5 12	23 35	2 45	1 57	0 2	24 1	1 17	22 48	0 26	16 18	2 24	0 26	0 45	17 31	0 10	20 51	2 16	22 32	22 40	22 38	3 29	2 49	
T 3	15 17	5 26	4 57	23 47	2 46	1 44	0n 5	24 3	1 20	22 47	0 26	16 17	2 24	0 27	0 45	17 31	0 10	20 51	2 16	22 32	22 40	22 38	3 28	2 48	
W 4	15 36	10 34	4 24	23 57	2 45	1 30	0 13	24 4	1 22	22 45	0 26	16 16	2 24	0 27	0 45	17 31	0 10	20 51	2 16	22 31	22 40	22 38	3 27	2 48	
T 5	15 54	15 15	3 33	24 6	2 44	1 15	0 20	24 5	1 25	22 44	0 26	16 15	2 24	0 28	0 45	17 31	0 10	20 52	2 16	22 30	22 39	22 38	3 26	2 48	
F 6	16 12	19 2	2 26	24 13	2 43	1 1	0 27	24 7	1 27	22 43	0 26	16 14	2 24	0 29	0 45	17 30	0 10	20 52	2 16	22 30	22 39	22 38	3 25	2 48	
S 7	16 30	21 34	1 9	24 17	2 40	0 45	0 33	24 9	1 30	22 42	0 26	16 12	2 24	0 29	0 45	17 30	0 10	20 52	2 16	22 30	22 39	22 38	3 25	2 48	
S 8	16 47	22 33	0n14	24 20	2 36	0 30	0 40	24 11	1 33	22 40	0 26	16 11	2 24	0 30	0 45	17 30	0 10	20 52	2 16	22 30	22 38	22 38	3 24	2 48	
M 9	17 5	21 55	1 34	24 21	2 31	0 14	0 46	24 12	1 35	22 39	0 26	16 10	2 24	0 30	0 45	17 30	0 10	20 52	2 16	22 30	22 38	22 38	3 23	2 47	
T 10	17 22	19 47	2 47	24 20	2 25	0s 3	0 52	24 14	1 38	22 38	0 26	16 9	2 24	0 31	0 45	17 30	0 10	20 52	2 16	22 30	22 38	22 38	3 22	2 47	
W11	17 38	16 29	3 48	24 16	2 18	0 20	0 58	24 17	1 41	22 36	0 26	16 8	2 24	0 31	0 45	17 30	0 10	20 52	2 16	22 30	22 37	22 37	3 21	2 47	
T 12	17 54	12 20	4 33	24 9	2 10	0 37	1 4	24 19	1 43	22 35	0 26	16 6	2 24	0 32	0 45	17 30	0 10	20 52	2 16	22 30	22 37	22 37	3 20	2 47	
F 13	18 10	7 40	5 3	24 0	2 0	0 55	1 9	24 21	1 46	22 34	0 26	16 5	2 24	0 32	0 45	17 29	0 10	20 52	2 16	22 30	22 36	22 37	3 19	2 47	
S 14	18 26	2 46	5 15	23 48	1 48	1 13	1 15	24 24	1 49	22 32	0 26	16 4	2 24	0 33	0 45	17 29	0 10	20 52	2 16	22 30	22 36	22 37	3 19	2 46	
S 15	18 41	2n 9	5 11	23 33	1 35	1 31	1 20	24 26	1 52	22 31	0 27	16 3	2 24	0 33	0 45	17 29	0 10	20 52	2 16	22 30	22 36	22 37	3 18	2 46	
M16	18 56	6 52	4 52	23 15	1 21	1 50	1 25	24 29	1 54	22 29	0 27	16 2	2 24	0 34	0 45	17 29	0 10	20 52	2 16	22 30	22 35	22 37	3 17	2 46	
T 17	19 11	11 14	4 20	22 53	1 5	2 9	1 29	24 32	1 57	22 28	0 27	16 0	2 24	0 34	0 45	17 28	0 10	20 52	2 16	22 29	22 35	22 36	3 16	2 46	
W18	19 25	15 5	3 36	22 29	0 47	2 28	1 34	24 34	2 0	22 26	0 27	15 59	2 23	0 34	0 45	17 28	0 10	20 52	2 16	22 29	22 35	22 36	3 16	2 46	
T 19	19 39	18 16	2 43	22 1	0 28	2 48	1 38	24 38	2 3	22 24	0 27	15 58	2 23	0 35	0 45	17 28	0 10	20 53	2 16	22 29	22 34	22 36	3 15	2 45	
F 20	19 53	20 38	1 43	21 31	0 9	3 7	1 43	24 41	2 6	22 23	0 27	15 57	2 23	0 35	0 45	17 28	0 10	20 53	2 16	22 28	22 34	22 36	3 14	2 45	
S 21	20 6	22 5	0 39	20 58	0n12	3 27	1 47	24 44	2 9	22 21	0 27	15 56	2 23	0 35	0 45	17 27	0 10	20 53	2 16	22 28	22 34	22 36	3 14	2 45	
S 22	20 19	22 32	0s26	20 23	0 32	3 48	1 51	24 47	2 11	22 19	0 27	15 55	2 23	0 36	0 45	17 27	0 10	20 53	2 16	22 28	22 33	22 36	3 13	2 45	
M23	20 31	21 58	1 30	19 47	0 52	4 8	1 54	24 51	2 14	22 18	0 27	15 54	2 23	0 36	0 45	17 27	0 10	20 53	2 16	22 28	22 33	22 35	3 12	2 45	
T 24	20 43	20 26	2 31	19 11	1 12	4 29	1 58	24 54	2 17	22 16	0 27	15 52	2 23	0 36	0 44	17 27	0 10	20 53	2 16	22 28	22 32	22 35	3 12	2 44	
W25	20 55	18 0	3 25	18 37	1 30	4 50	2 1	24 58	2 20	22 14	0 27	15 51	2 23	0 37	0 44	17 26	0 10	20 53	2 16	22 29	22 32	22 35	3 11	2 44	
T 26	21 6	14 47	4 12	18 4	1 47	5 11	2 5	25 2	2 23	22 12	0 27	15 50	2 23	0 37	0 44	17 26	0 10	20 53	2 16	22 29	22 32	22 35	3 11	2 44	
F 27	21 17	10 53	4 47	17 35	2 1	5 32	2 8	25 6	2 26	22 11	0 27	15 49	2 22	0 37	0 44	17 26	0 10	20 53	2 15	22 29	22 31	22 34	3 10	2 44	
S 28	21 28	6 27	5 10	17 10	2 14	5 53	2 11	25 9	2 32	22 9	0 27	15 48	2 22	0 37	0 44	17 25	0 10	20 53	2 15	22 29	22 31	22 34	3 9	2 44	
S 29	21 38	1 37	5 18	16 48	2 24	6 15	2 13	25 13	2 32	22 7	0 27	15 47	2 22	0 37	0 44	17 25	0 10	20 53	2 15	22 29	22 31	22 34	3 9	2 43	
M30	21s48	3s26	5s10	16s32	2n32	6s36	2n16	25n18	2n35	22s 5	0s27	15n46	2s22	0s38	0s44	17s25	0s10	20n54	2s15	22s29	22s30	22n34	3n 8	2n43	

ASTRODIENST EPHEMERIS for the year 1676

geocentric

DECEMBER 1676 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	4 42 31	9°44'31	10°24	24°R19	23°25	13°R57	22°329	20°R59	0°R 7	11°55	9°R26	13°R40	13°48	17°II14	1°R37	T 1
W 2	4 46 28	10°45'29	24°34	24°M 5	24°30	13°545	22°41	20°B54	0°Y 7	11°56	9°525	13°440	13°45	17°21	1°Y36	W 2
T 3	4 50 24	11°46'29	9°M 9	24°D 2	25°35	13°31	22°53	20°50	0° 7	11°57	9°24	13°39	13°42	17°27	1°36	T 3
F 4	4 54 21	12°47'29	24° 5	24° 9	26°41	13°17	23° 6	20°45	0° 6	11°59	9°23	13°39	13°38	17°34	1°35	F 4
S 5	4 58 17	13°48'31	9°A15	24°25	27°47	13° 2	23°18	20°41	0° 6	12° 0	9°22	13°39	13°35	17°40	1°35	S 5
S 6	5 2 14	14°49'33	24°29	24°50	28°53	12°46	23°31	20°37	0° 6	12° 2	9°20	13°39	13°32	17°47	1°35	S 6
M 7	5 6 11	15°50'37	9°B38	25°23	29°59	12°29	23°43	20°33	0° 6	12° 3	9°19	13°39	13°29	17°54	1°34	M 7
T 8	5 10 7	16°51'41	24°32	26° 2	1°M 6	12°12	23°56	20°28	0° 6	12° 5	9°18	13°39	13°26	18° 0	1°34	T 8
W 9	5 14 4	17°52'45	9°A 5	26°48	2°13	11°54	24° 9	20°24	0°D 6	12° 6	9°17	13°38	13°23	18° 7	1°34	W 9
T 10	5 18 0	18°53'50	23°12	27°40	3°20	11°35	24°21	20°20	0° 6	12° 8	9°16	13°38	13°19	18°14	1°34	T 10
F 11	5 21 57	19°54'55	6°K52	28°36	4°27	11°16	24°34	20°16	0° 6	12° 9	9°15	13°37	13°16	18°20	1°34	F 11
S 12	5 25 53	20°56'01	20° 6	29°36	5°34	10°56	24°47	20°13	0° 6	12°11	9°14	13°D37	13°13	18°27	1°D34	S 12
S 13	5 29 50	21°57'06	2°Y56	0°A40	6°42	10°36	25° 0	20° 9	0° 6	12°12	9°12	13°37	13°10	18°34	1°34	S 13
M14	5 33 46	22°58'13	15°27	1°47	7°50	10°15	25°13	20° 5	0° 7	12°14	9°11	13°38	13° 7	18°40	1°34	M14
T 15	5 37 43	23°59'19	27°41	2°57	8°58	9°53	25°26	20° 1	0° 7	12°16	9°10	13°39	13° 4	18°47	1°34	T 15
W16	5 41 40	25° 0'26	9°B44	4° 9	10° 6	9°31	25°39	19°58	0° 7	12°17	9° 9	13°40	13° 0	18°54	1°34	W16
T 17	5 45 36	26° 1'33	21°39	5°24	11°15	9° 9	25°53	19°54	0° 8	12°19	9° 8	13°41	12°57	19° 0	1°34	T 17
F 18	5 49 33	27° 2'40	3°II28	6°40	12°23	8°46	26° 6	19°51	0° 8	12°21	9° 6	13°42	12°54	19° 7	1°35	F 18
S 19	5 53 29	28° 3'48	15°16	7°59	13°32	8°23	26°19	19°48	0° 9	12°22	9° 5	13°R42	12°51	19°13	1°35	S 19
S 20	5 57 26	29° 4'56	27° 4	9°18	14°41	8° 0	26°33	19°44	0° 9	12°24	9° 4	13°42	12°48	19°20	1°36	S 20
M21	6 1 22	0°B 6'04	8°54	10°39	15°50	7°37	26°46	19°41	0°10	12°26	9° 3	13°40	12°44	19°27	1°36	M21
T 22	6 5 19	1° 7'13	20°49	12° 1	16°59	7°13	26°59	19°38	0°11	12°28	9° 1	13°38	12°41	19°33	1°37	T 22
W23	6 9 15	2° 8'22	2°L51	13°25	18° 9	6°49	27°13	19°35	0°11	12°30	9° 0	13°35	12°38	19°40	1°37	W23
T 24	6 13 12	3° 9'31	15° 1	14°49	19°19	6°25	27°26	19°32	0°12	12°31	8°59	13°32	12°35	19°47	1°38	T 24
F 25	6 17 9	4°10'41	27°22	16°14	20°28	6° 1	27°40	19°30	0°13	12°33	8°58	13°29	12°32	19°53	1°39	F 25
S 26	6 21 5	5°11'50	9°M56	17°40	21°38	5°38	27°54	19°27	0°14	12°35	8°56	13°26	12°29	20° 0	1°39	S 26
S 27	6 25 2	6°13'01	22°47	19° 6	22°48	5°14	28° 7	19°24	0°15	12°37	8°55	13°24	12°25	20° 7	1°40	S 27
M28	6 28 58	7°14'11	5°A56	20°33	23°58	4°50	28°21	19°22	0°16	12°39	8°54	13°D24	12°22	20°13	1°41	M28
T 29	6 32 55	8°15'22	19°27	22° 1	25° 9	4°26	28°35	19°19	0°17	12°41	8°53	13°24	12°19	20°20	1°42	T 29
W30	6 36 51	9°16'33	3°M21	23°29	26°19	4° 3	28°49	19°17	0°18	12°43	8°51	13°25	12°16	20°27	1°43	W30
T 31	6 40 48	10°17'45	17°M39	24°A58	27°M30	3°540	29°B 2	19°B15	0°Y19	12°45	8°50	13°A27	12°A13	20°II33	1°Y44	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	21s57	8s29	4s44	16s20	2n38	6s58	2n18	25n22	2n38	22s 3	0s27	15n45	2s22	0s38	0s44	17s24
W 2	22 6	13 16	4 1	16 13	2 42	7 20	2 21	25 26	2 41	22 1	0 27	15 44	2 22	0 38	0 44	17 24
T 3	22 14	17 25	3 1	16 10	2 44	7 41	2 23	25 30	2 43	21 59	0 27	15 43	2 22	0 38	0 44	17 24
F 4	22 22	20 33	1 47	16 11	2 44	8 3	2 25	25 34	2 46	21 57	0 27	15 42	2 21	0 38	0 44	17 23
S 5	22 30	22 17	0 25	16 16	2 44	8 25	2 27	25 39	2 49	21 55	0 27	15 41	2 21	0 38	0 44	17 23
S 6	22 37	22 22	1n 0	16 24	2 41	8 47	2 28	25 43	2 52	21 53	0 27	15 40	2 21	0 38	0 44	17 23
M 7	22 44	20 49	2 20	16 35	2 38	9 9	2 30	25 48	2 55	21 51	0 27	15 39	2 21	0 38	0 44	17 22
T 8	22 50	17 50	3 29	16 48	2 34	9 31	2 31	25 52	2 57	21 49	0 28	15 38	2 21	0 38	0 44	17 22
W 9	22 56	13 48	4 22	17 3	2 29	9 52	2 32	25 56	3 0	21 46	0 28	15 37	2 21	0 38	0 44	17 21
T 10	23 1	9 7	4 58	17 20	2 24	10 14	2 34	26 1	3 3	21 44	0 28	15 36	2 20	0 38	0 44	17 21
F 11	23 6	4 7	5 16	17 39	2 18	10 36	2 35	26 5	3 5	21 42	0 28	15 36	2 20	0 38	0 44	17 20
S 12	23 10	0n55	5 16	17 58	2 11	10 58	2 35	26 9	3 8	21 40	0 28	15 35	2 20	0 38	0 44	17 20
S 13	23 14	5 46	5 0	18 18	2 4	11 19	2 36	26 13	3 10	21 37	0 28	15 34	2 20	0 38	0 44	17 20
M14	23 18	10 15	4 30	18 39	1 57	11 40	2 37	26 17	3 13	21 35	0 28	15 33	2 20	0 37	0 44	17 19
T 15	23 21	14 14	3 49	19 0	1 49	12 2	2 37	26 21	3 15	21 33	0 28	15 32	2 19	0 37	0 44	17 19
W16	23 23	17 34	2 58	19 21	1 42	12 23	2 37	26 25	3 17	21 30	0 28	15 32	2 19	0 37	0 44	17 18
T 17	23 25	20 8	2 0	19 42	1 34	12 44	2 37	26 29	3 20	21 28	0 28	15 31	2 19	0 37	0 44	17 18
F 18	23 27	21 49	0 57	20 3	1 26	13 5	2 38	26 33	3 22	21 26	0 28	15 30	2 19	0 37	0 44	17 17
S 19	23 28	22 31	0s 9	20 23	1 18	13 25	2 37	26 36	3 24	21 23	0 28	15 30	2 18	0 36	0 43	17 17
S 20	23 29	22 13	1 13	20 44	1 10	13 46	2 37	26 40	3 26	21 21	0 28	15 29	2 18	0 36	0 43	17 16
M21	23 29	20 56	2 15	21 4	1 2	14 6	2 37	26 43	3 28	21 18	0 28	15 28	2 18	0 36	0 43	17 16
T 22	23 29	18 43	3 11	21 23	0 54	14 26	2 37	26 46	3 30	21 16	0 28	15 28	2 18	0 36	0 43	17 15
W23	23 28	15 40	3 59	21 41	0 46	14 46	2 36	26 49	3 31	21 13	0 28	15 27	2 17	0 35	0 43	17 15
T 24	23 27	11 56	4 37	21 59	0 38	15 6	2 35	26 52	3 33	21 10	0 28	15 27	2 17	0 35	0 43	17 14
F 25	23 25	7 40	5 3	22 16	0 30	15 25	2 35	26 55	3 34	21 8	0 28	15 26	2 17	0 35	0 43	17 14
S 26	23 23	3 0	5 15	22 32	0 22	15 44	2 34	26 57	3 36	21 5	0 29	15 26	2 17	0 34	0 43	17 13
S 27	23 20	1s54	5 11	22 47	0 15	16 3	2 33	27 0	3 37	21 2	0 29	15 25	2 16	0 34	0 43	17 13
M28	23 17	6 49	4 51	23 2	0 7	16 21	2 32	27 2	3 38	21 0	0 29	15 25	2 16	0 33	0 43	17 12
T 29	23 13	11 33	4 15	23 15	0s 0	16 39	2 30	27 4	3 40	20 57	0 29	15 24	2 16	0 33	0 43	17 12
W30	23 9	15 50	3 23	23 27	0 8	16 57	2 29	27 6	3 41	20 54	0 29	15 24	2 16	0 32	0 43	17 11
T 31	23s 5	19s19	2s17	23s38	0s15	17s14	2n28	27n 7	3n42	20s51	0s29	15n24	2s15	0s32	0s43	17s11

Julian Day Number = 2333541.5, Delta T = 25.46 sec

Ecliptic obliquity = 23°28'50, Nutation = 0°00'15, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 20°13'50, Lahiri = 19°20'50Greg. Calendar