



Astrodienst Ephemeris Tables for the year 1971

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 1971

geocentric

JANUARY 1971

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	6 39 58	9°54'49	27°31	2°R 0	24°48	16°42	27°35	15°R57	13°25	2°0	29°42	24°D23	25°58	13°15	5°58	F 1
S 2	6 43 55	10°55'59	11°55	0°55	25°37	16°42	27°46	15°55	13°26	2°1	29°R42	24°24	25°54	13°22	5°58	S 2
S 3	6 47 52	11°57'09	26°12	29°59	26°28	17°20	27°58	15°54	13°27	2°3	29°42	24°25	25°51	13°28	5°59	S 3
M 4	6 51 48	12°58'19	10°19	29°13	27°19	17°58	28°9	15°52	13°28	2°5	29°42	24°R26	25°48	13°35	6°0	M 4
T 5	6 55 45	13°59'29	24°15	28°37	28°11	18°36	28°20	15°51	13°29	2°7	29°42	24°25	25°45	13°41	6°1	T 5
W 6	6 59 41	15°0'38	8°0	28°11	29°4	19°13	28°31	15°49	13°30	2°9	29°42	24°23	25°42	13°48	6°2	W 6
T 7	7 3 38	16°1'47	21°33	27°55	29°58	19°51	28°42	15°48	13°30	2°10	29°42	24°19	25°39	13°55	6°3	T 7
F 8	7 7 34	17°2'55	4°11	27°D49	0°52	20°29	28°53	15°47	13°31	2°12	29°42	24°14	25°35	14°1	6°4	F 8
S 9	7 11 31	18°4'04	18°3	27°52	1°47	21°7	29°4	15°46	13°31	2°14	29°42	24°7	25°32	14°8	6°6	S 9
S 10	7 15 27	19°5'12	1°0	28°2	2°42	21°45	29°14	15°45	13°32	2°16	29°41	24°1	25°29	14°15	6°7	S 10
M 11	7 19 24	20°6'19	13°42	28°21	3°38	22°23	29°25	15°44	13°32	2°17	29°41	23°55	25°26	14°21	6°8	M 11
T 12	7 23 21	21°7'26	26°12	28°47	4°35	23°1	29°35	15°44	13°33	2°19	29°41	23°51	25°23	14°28	6°9	T 12
W 13	7 27 17	22°8'33	8°12	29°19	5°32	23°39	29°46	15°43	13°33	2°21	29°40	23°48	25°20	14°35	6°11	W 13
T 14	7 31 14	23°9'40	20°34	29°56	6°29	24°17	29°56	15°43	13°33	2°22	29°40	23°D46	25°16	14°41	6°12	T 14
F 15	7 35 10	24°10'46	2°30	0°39	7°28	24°55	0°6	15°42	13°34	2°24	29°40	23°47	25°13	14°48	6°14	F 15
S 16	7 39 7	25°11'52	14°20	1°26	8°26	25°33	0°17	15°42	13°34	2°25	29°39	23°48	25°10	14°55	6°15	S 16
S 17	7 43 3	26°12'57	26°7	2°18	9°25	26°11	0°27	15°42	13°34	2°27	29°39	23°50	25°7	15°1	6°17	S 17
M 18	7 47 0	27°14'02	7°57	3°13	10°25	26°48	0°37	15°D42	13°R34	2°28	29°38	23°52	25°4	15°8	6°19	M 18
T 19	7 50 56	28°15'07	19°53	4°11	11°25	27°26	0°46	15°42	13°34	2°30	29°38	23°53	25°0	15°15	6°20	T 19
W 20	7 54 53	29°16'12	2°11	5°13	12°26	28°4	0°56	15°42	13°34	2°31	29°37	23°R53	24°57	15°21	6°22	W 20
T 21	7 58 50	0°17'17	14°24	6°17	13°26	28°42	1°6	15°43	13°34	2°33	29°36	23°53	24°54	15°28	6°24	T 21
F 22	8 2 46	1°18'21	27°9	7°24	14°28	29°20	1°15	15°43	13°34	2°34	29°36	23°51	24°51	15°35	6°26	F 22
S 23	8 6 43	2°19'24	10°18	8°33	15°29	29°58	1°25	15°44	13°33	2°35	29°35	23°48	24°48	15°41	6°27	S 23
S 24	8 10 39	3°20'28	23°54	9°44	16°31	0°35	1°34	15°44	13°33	2°37	29°34	23°45	24°45	15°48	6°29	S 24
M 25	8 14 36	4°21'30	7°55	10°56	17°34	1°13	1°43	15°45	13°33	2°38	29°34	23°42	24°41	15°55	6°31	M 25
T 26	8 18 32	5°22'32	22°19	12°11	18°36	1°51	1°52	15°46	13°32	2°39	29°33	23°39	24°38	16°1	6°33	T 26
W 27	8 22 29	6°23'34	7°1	13°27	19°39	2°29	2°1	15°47	13°32	2°41	29°32	23°38	24°35	16°8	6°35	W 27
T 28	8 26 26	7°24'34	21°54	14°45	20°43	3°6	2°10	15°48	13°31	2°42	29°31	23°D37	24°32	16°15	6°37	T 28
F 29	8 30 22	8°25'33	6°49	16°3	21°46	3°44	2°19	15°49	13°31	2°43	29°30	23°38	24°29	16°21	6°40	F 29
S 30	8 34 19	9°26'31	21°40	17°23	22°50	4°22	2°28	15°51	13°30	2°44	29°29	23°39	24°25	16°28	6°42	S 30
S 31	8 38 15	10°27'28	6°19	18°34	23°54	4°59	2°36	15°52	13°29	2°45	29°29	23°40	24°22	16°34	6°44	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	23s 4	12s 4	0n17	20s23	3n 3	15s17	3n48	15s52	0n49	18s46	0n53	14n21	2s22	4s40	0n41	F 1
S 2	23 0	5 39	1 34	20 18	3 9	15 27	3 49	16 4	0 48	18 48	0 53	14 21	2 22	4 40	0 41	S 2
S 3	22 54	1n 0	2 44	20 14	3 12	15 38	3 50	16 15	0 48	18 51	0 53	14 21	2 21	4 40	0 41	S 3
M 4	22 49	7 30	3 43	20 13	3 13	15 49	3 51	16 26	0 47	18 53	0 53	14 20	2 21	4 41	0 42	M 4
T 5	22 43	13 34	4 29	20 14	3 13	16 0	3 52	16 37	0 47	18 56	0 53	14 20	2 21	4 41	0 42	T 5
W 6	22 36	18 52	4 58	20 16	3 10	16 11	3 52	16 48	0 46	18 58	0 53	14 20	2 21	4 41	0 42	W 6
T 7	22 29	23 8	5 10	20 20	3 6	16 22	3 52	16 58	0 46	19 1	0 53	14 20	2 20	4 42	0 42	T 7
F 8	22 21	26 7	5 5	20 25	3 1	16 33	3 52	17 9	0 45	19 3	0 53	14 20	2 20	4 42	0 42	F 8
S 9	22 14	27 37	4 44	20 32	2 54	16 44	3 52	17 19	0 45	19 5	0 53	14 20	2 20	4 42	0 42	S 9
S 10	22 5	27 35	4 9	20 39	2 47	16 55	3 52	17 30	0 44	19 7	0 53	14 20	2 19	4 42	0 42	S 10
M 11	21 56	26 5	3 21	20 47	2 39	17 6	3 51	17 40	0 44	19 10	0 53	14 20	2 19	4 42	0 42	M 11
T 12	21 47	23 18	2 25	20 56	2 30	17 17	3 50	17 50	0 43	19 12	0 53	14 20	2 19	4 42	0 42	T 12
W 13	21 37	19 29	1 23	21 5	2 21	17 28	3 49	18 0	0 43	19 14	0 53	14 20	2 19	4 42	0 42	W 13
T 14	21 27	14 55	0 18	21 14	2 12	17 39	3 48	18 10	0 42	19 16	0 54	14 20	2 18	4 42	0 42	T 14
F 15	21 17	9 51	0s48	21 24	2 3	17 49	3 47	18 19	0 42	19 18	0 54	14 21	2 18	4 43	0 42	F 15
S 16	21 6	4 28	1 51	21 33	1 53	18 0	3 46	18 29	0 41	19 20	0 54	14 21	2 18	4 43	0 42	S 16
S 17	20 55	1s 2	2 49	21 42	1 43	18 10	3 44	18 38	0 41	19 22	0 54	14 21	2 17	4 43	0 42	S 17
M 18	20 43	6 31	3 40	21 51	1 34	18 21	3 43	18 48	0 40	19 24	0 54	14 21	2 17	4 43	0 42	M 18
T 19	20 31	11 48	4 22	21 59	1 24	18 31	3 41	18 57	0 40	19 26	0 54	14 22	2 17	4 43	0 42	T 19
W 20	20 19	16 45	4 53	22 6	1 14	18 40	3 39	19 6	0 39	19 28	0 54	14 22	2 17	4 42	0 42	W 20
T 21	20 6	21 6	5 11	22 13	1 5	18 50	3 37	19 15	0 39	19 30	0 54	14 22	2 16	4 42	0 42	T 21
F 22	19 52	24 38	5 15	22 19	0 55	18 59	3 35	19 23	0 38	19 32	0 54	14 23	2 16	4 42	0 42	F 22
S 23	19 39	26 59	5 2	22 25	0 46	19 8	3 32	19 32	0 38	19 34	0 54	14 23	2 16	4 42	0 42	S 23
S 24	19 25	27 51	4 33	22 29	0 37	19 17	3 30	19 41	0 37	19 36	0 54	14 24	2 15	4 42	0 42	S 24
M 25	19 10	26 59	3 46	22 32	0 27	19 25	3 27	19 49	0 36	19 38	0 54	14 24	2 15	4 42	0 42	M 25
T 26	18 56	24 18	2 45	22 35	0 19	19 33	3 25	19 57	0 36	19 39	0 54	14 25	2 15	4 42	0 42	T 26
W 27	18 41	19 59	1 31	22 36	0 10	19 41	3 22	20 5	0 35	19 41	0 54	14 25	2 14	4 41	0 42	W 27
T 28	18 25	14 22	0 10	22 37	0 1	19 48	3 19	20 13	0 34	19 43	0 54	14 26	2 14	4 41	0 42	T 28
F 29	18 10	7 53	1n13	22 36	0s 7	19 55	3 16	20 21	0 34	19 44	0 54	14 27	2 14	4 41	0 42	F 29
S 30	17 54	1 1	2 29	22 34	0 15	20 2	3 13	20 29	0 33	19 46	0 55	14 27	2 14	4 41	0 42	S 30
S 31	17s37	5n48	3n35	22s31	0s23	20s 8	3n10	20s36	0n33	19s48	0n55	14n28	2s13	4s40	0n42	S 31

Julian Day Number = 2440952.5, Delta T = 41.17 sec

Ecliptic obliquity = 23°26'42, Nutation = 0°00'10, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 24°20'07, Lahiri = 23°27'07

ASTRODIENST EPHEMERIS for the year 1971

geocentric

FEBRUARY 1971

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	8 42 12	11 ²⁸ 28'24	20 ^Y 42	20 ³ 7	24 ² 59	5 ² 37	2 ² 44	15 ⁸ 54	13 ² R29	2 ² 46	29 ² R28	23 ² 41	24 ² 19	16 ² 41	6 ² 46	M 1
T 2	8 46 8	12 ² 29'18	4 ² 46	21 ² 31	26 ² 4	6 ² 15	2 ² 53	15 ² 55	13 ² 28	2 ² 47	29 ² 27	23 ² 41	24 ² 16	16 ² 48	6 ² 49	T 2
W 3	8 50 5	13 ² 30'11	18 ² 29	22 ² 55	27 ² 9	6 ² 52	3 ² 1	15 ² 57	13 ² 27	2 ² 49	29 ² 26	23 ² R41	24 ² 13	16 ² 54	6 ² 51	W 3
T 4	8 54 1	14 ² 31'02	1 ² 54	24 ² 21	28 ² 14	7 ² 30	3 ² 9	15 ² 59	13 ² 26	2 ² 50	29 ² 25	23 ² 41	24 ² 10	17 ² 1	6 ² 53	T 4
F 5	8 57 58	15 ² 31'53	15 ² 0	25 ² 47	29 ² 19	8 ² 7	3 ² 16	16 ² 1	13 ² 25	2 ² 50	29 ² 24	23 ² 40	24 ² 6	17 ² 8	6 ² 56	F 5
S 6	9 1 55	16 ² 32'42	27 ² 50	27 ² 14	0 ² 25	8 ² 45	3 ² 24	16 ² 3	13 ² 24	2 ² 51	29 ² 23	23 ² 39	24 ² 3	17 ² 14	6 ² 58	S 6
S 7	9 5 51	17 ² 33'29	10 ² 25	28 ² 43	1 ² 31	9 ² 22	3 ² 32	16 ² 5	13 ² 23	2 ² 52	29 ² 21	23 ² 38	24 ² 0	17 ² 21	7 ² 1	S 7
M 8	9 9 48	18 ² 34'15	22 ² 48	0 ² 12	2 ² 37	10 ² 0	3 ² 39	16 ² 8	13 ² 22	2 ² 53	29 ² 20	23 ² 37	23 ² 57	17 ² 28	7 ² 3	M 8
T 9	9 13 44	19 ² 35'00	5 ² 1	1 ² 42	3 ² 43	10 ² 37	3 ² 46	16 ² 10	13 ² 21	2 ² 54	29 ² 19	23 ² 37	23 ² 54	17 ² 34	7 ² 6	T 9
W10	9 17 41	20 ² 35'43	17 ² 5	3 ² 13	4 ² 50	11 ² 15	3 ² 54	16 ² 13	13 ² 20	2 ² 55	29 ² 18	23 ² 37	23 ² 51	17 ² 41	7 ² 8	W10
T 11	9 21 37	21 ² 36'25	29 ² 2	4 ² 44	5 ² 56	11 ² 52	4 ² 1	16 ² 15	13 ² 19	2 ² 56	29 ² 17	23 ² D37	23 ² 47	17 ² 48	7 ² 11	T 11
F 12	9 25 34	22 ² 37'05	10 ² 53	6 ² 17	7 ² 3	12 ² 30	4 ² 7	16 ² 18	13 ² 17	2 ² 56	29 ² 16	23 ² 37	23 ² 44	17 ² 54	7 ² 14	F 12
S 13	9 29 30	23 ² 37'44	22 ² 42	7 ² 50	8 ² 10	13 ² 7	4 ² 14	16 ² 21	13 ² 16	2 ² 57	29 ² 14	23 ² R37	23 ² 41	18 ² 1	7 ² 17	S 13
S 14	9 33 27	24 ² 38'22	4 ² 31	9 ² 24	9 ² 18	13 ² 44	4 ² 21	16 ² 24	13 ² 15	2 ² 58	29 ² 13	23 ² 37	23 ² 38	18 ² 8	7 ² 19	S 14
M15	9 37 24	25 ² 38'59	16 ² 22	10 ² 59	10 ² 25	14 ² 22	4 ² 27	16 ² 27	13 ² 13	2 ² 58	29 ² 12	23 ² 37	23 ² 35	18 ² 14	7 ² 22	M15
T 16	9 41 20	26 ² 39'34	28 ² 19	12 ² 35	11 ² 33	14 ² 59	4 ² 33	16 ² 30	13 ² 12	2 ² 59	29 ² 11	23 ² 36	23 ² 31	18 ² 21	7 ² 25	T 16
W17	9 45 17	27 ² 40'08	10 ² 26	14 ² 12	12 ² 40	15 ² 36	4 ² 40	16 ² 33	13 ² 10	3 ² 0	29 ² 9	23 ² 36	23 ² 28	18 ² 28	7 ² 28	W17
T 18	9 49 13	28 ² 40'41	22 ² 47	15 ² 50	13 ² 48	16 ² 14	4 ² 46	16 ² 37	13 ² 9	3 ² 0	29 ² 8	23 ² 36	23 ² 25	18 ² 34	7 ² 31	T 18
F 19	9 53 10	29 ² 41'13	5 ² 27	17 ² 28	14 ² 56	16 ² 51	4 ² 51	16 ² 40	13 ² 7	3 ² 1	29 ² 7	23 ² D36	23 ² 22	18 ² 41	7 ² 34	F 19
S 20	9 57 6	0 ² 41'44	18 ² 28	19 ² 8	16 ² 5	17 ² 28	4 ² 57	16 ² 44	13 ² 5	3 ² 1	29 ² 5	23 ² 36	23 ² 19	18 ² 48	7 ² 36	S 20
S 21	10 1 3	1 ² 42'13	1 ² 35	20 ² 48	17 ² 13	18 ² 5	5 ² 3	16 ² 47	13 ² 4	3 ² 2	29 ² 4	23 ² 37	23 ² 16	18 ² 54	7 ² 39	S 21
M22	10 4 59	2 ² 42'41	15 ² 50	22 ² 30	18 ² 22	18 ² 42	5 ² 8	16 ² 51	13 ² 2	3 ² 2	29 ² 2	23 ² 37	23 ² 12	19 ² 1	7 ² 42	M22
T 23	10 8 56	3 ² 43'08	0 ² 10	24 ² 12	19 ² 30	19 ² 20	5 ² 13	16 ² 55	13 ² 0	3 ² 2	29 ² 1	23 ² 38	23 ² 9	19 ² 8	7 ² 45	T 23
W24	10 12 53	4 ² 43'33	14 ² 55	25 ² 55	20 ² 39	19 ² 57	5 ² 18	16 ² 59	12 ² 58	3 ² 3	28 ² 59	23 ² 39	23 ² 6	19 ² 14	7 ² 49	W24
T 25	10 16 49	5 ² 43'56	29 ² 57	27 ² 40	21 ² 48	20 ² 34	5 ² 23	17 ² 3	12 ² 56	3 ² 3	28 ² 58	23 ² R39	23 ² 3	19 ² 21	7 ² 52	T 25
F 26	10 20 46	6 ² 44'18	15 ² 8	29 ² 25	22 ² 57	21 ² 11	5 ² 28	17 ² 7	12 ² 54	3 ² 3	28 ² 57	23 ² 38	23 ² 0	19 ² 28	7 ² 55	F 26
S 27	10 24 42	7 ² 44'38	0 ² Y19	1 ² 11	24 ² 6	21 ² 48	5 ² 32	17 ² 11	12 ² 53	3 ² 4	28 ² 55	23 ² 37	22 ² 57	19 ² 34	7 ² 58	S 27
S 28	10 28 39	8 ² 44'56	15 ² Y20	2 ² 58	25 ² 15	22 ² 25	5 ² 37	17 ² 16	12 ² 51	3 ² 4	28 ² 54	23 ² 35	22 ² 53	19 ² 41	8 ² Y1	S 28

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	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	
M 1	17s21	12n12	4n26	22s27	0s31	20s14	3n7	20s43	0n32	19s49	0n55	14n29	2s13	4s40	0n42	19s6
T 2	17 4	17 49	5 0	22 21	0 38	20 20	3 4	20 51	0 31	19 51	0 55	14 29	2 13	4 40	0 43	19 6
W 3	16 46	22 23	5 16	22 15	0 45	20 25	3 0	20 58	0 31	19 52	0 55	14 30	2 12	4 39	0 43	19 6
T 4	16 29	25 40	5 14	22 7	0 52	20 29	2 57	21 4	0 30	19 54	0 55	14 31	2 12	4 39	0 43	19 6
F 5	16 11	27 30	4 56	21 58	0 59	20 33	2 53	21 11	0 29	19 55	0 55	14 32	2 12	4 39	0 43	19 7
S 6	15 53	27 48	4 23	21 47	1 5	20 37	2 50	21 18	0 28	19 56	0 55	14 33	2 12	4 38	0 43	19 7
S 7	15 34	26 39	3 38	21 35	1 12	20 40	2 46	21 24	0 28	19 58	0 55	14 34	2 11	4 38	0 43	19 7
M 8	15 16	24 12	2 43	21 22	1 17	20 43	2 42	21 31	0 27	19 59	0 55	14 35	2 11	4 37	0 43	19 7
T 9	14 57	20 40	1 42	21 8	1 23	20 45	2 39	21 37	0 26	20 0	0 55	14 36	2 11	4 37	0 43	19 7
W10	14 38	16 18	0 36	20 53	1 28	20 47	2 35	21 43	0 26	20 2	0 55	14 37	2 10	4 36	0 43	19 7
T 11	14 18	11 21	0s30	20 36	1 33	20 48	2 31	21 48	0 25	20 3	0 56	14 38	2 10	4 36	0 43	19 7
F 12	13 59	6 1	1 35	20 17	1 38	20 49	2 27	21 54	0 24	20 4	0 56	14 39	2 10	4 35	0 43	19 7
S 13	13 39	0 32	2 35	19 58	1 42	20 49	2 23	22 0	0 23	20 5	0 56	14 40	2 10	4 35	0 43	19 7
S 14	13 19	4s59	3 28	19 37	1 46	20 48	2 19	22 5	0 22	20 6	0 56	14 41	2 9	4 34	0 43	19 8
M15	12 58	10 20	4 13	19 15	1 50	20 48	2 15	22 10	0 22	20 7	0 56	14 42	2 9	4 34	0 43	19 8
T 16	12 38	15 21	4 47	18 51	1 54	20 46	2 11	22 15	0 21	20 8	0 56	14 43	2 9	4 33	0 43	19 8
W17	12 17	19 51	5 9	18 26	1 57	20 44	2 7	22 20	0 20	20 9	0 56	14 44	2 8	4 32	0 43	19 8
T 18	11 56	23 35	5 18	18 0	1 59	20 42	2 3	22 25	0 19	20 10	0 56	14 46	2 8	4 32	0 43	19 8
F 19	11 35	26 19	5 11	17 32	2 2	20 39	1 59	22 29	0 18	20 11	0 56	14 47	2 8	4 31	0 43	19 8
S 20	11 14	27 44	4 48	17 3	2 4	20 35	1 54	22 34	0 17	20 12	0 56	14 48	2 8	4 31	0 43	19 8
S 21	10 52	27 35	4 9	16 32	2 5	20 31	1 50	22 38	0 17	20 13	0 56	14 49	2 7	4 30	0 43	19 8
M22	10 31	25 44	3 15	16 1	2 6	20 26	1 46	22 42	0 16	20 14	0 57	14 51	2 7	4 29	0 43	19 8
T 23	10 9	22 11	2 7	15 27	2 7	20 21	1 42	22 46	0 15	20 15	0 57	14 52	2 7	4 28	0 43	19 8
W24	9 47	17 8	0 48	14 53	2 8	20 15	1 38	22 50	0 14	20 16	0 57	14 53	2 7	4 28	0 43	19 8
T 25	9 25	10 57	0n35	14 17	2 7	20 9	1 33	22 54	0 13	20 16	0 57	14 55	2 6	4 27	0 43	19 8
F 26	9 2	4 4	1 56	13 40	2 7	20 2	1 29	22 57	0 12	20 17	0 57	14 56	2 6	4 26	0 43	19 8
S 27	8 40	3n2	3 10	13 1	2 6	19 54	1 25	23 0	0 11	20 18	0 57	14 58	2 6	4 25	0 43	19 8
S 28	8s17	9n52	4n9	12s21	2s5	19s46	1n21	23s3	0n10	20s19	0n57	14n59	2s5	4s25	0n43	19s8

Julian Day Number = 2440983.5, Delta T = 41.26 sec

Ecliptic obliquity = 23°26'42, Nutation = 0°00'11, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 24°20'11, Lahiri = 23°27'12

ASTRODIENST EPHEMERIS for the year 1971
geocentric

MARCH 1971

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	10 32 35	9°45'12	08 4	4°47	26°24	23°1	5°41	17°20	12°R49	3°4	28°R52	23°R33	22°50	19°48	8°Y 4	M 1
T 2	10 36 32	10°45'26	14°23	6°36	27°34	23°38	5°45	17°24	12°47	3°4	28°51	23°31	22°47	19°54	8°7	T 2
W 3	10 40 28	11°45'38	28°17	8°26	28°43	24°15	5°49	17°29	12°44	3°4	28°49	23°30	22°44	20°1	8°11	W 3
T 4	10 44 25	12°45'48	11°II44	10°18	29°53	24°52	5°52	17°34	12°42	3°4	28°47	23°D29	22°41	20°8	8°14	T 4
F 5	10 48 21	13°45'56	24°47	12°10	1°3	25°29	5°56	17°38	12°40	3°4	28°46	23°30	22°37	20°14	8°17	F 5
S 6	10 52 18	14°46'02	7°29	14°3	2°13	26°5	5°59	17°43	12°38	3°R 4	28°44	23°31	22°34	20°21	8°20	S 6
S 7	10 56 15	15°46'06	19°53	15°57	3°22	26°42	6°2	17°48	12°36	3°4	28°43	23°32	22°31	20°28	8°24	S 7
M 8	11 0 11	16°46'08	2°3	17°52	4°32	27°19	6°5	17°53	12°34	3°4	28°41	23°34	22°28	20°34	8°27	M 8
T 9	11 4 8	17°46'07	14°4	19°48	5°42	27°55	6°8	17°58	12°31	3°4	28°40	23°35	22°25	20°41	8°30	T 9
W10	11 8 4	18°46'04	25°58	21°45	6°53	28°32	6°10	18°3	12°29	3°4	28°38	23°R36	22°22	20°48	8°34	W10
T 11	11 12 1	19°46'00	7°48	23°42	8°3	29°8	6°13	18°8	12°27	3°4	28°36	23°35	22°18	20°54	8°37	T 11
F 12	11 15 57	20°45'53	19°37	25°40	9°13	29°45	6°15	18°14	12°24	3°4	28°35	23°32	22°15	21°1	8°40	F 12
S 13	11 19 54	21°45'45	1°26	27°38	10°23	0°21	6°17	18°19	12°22	3°4	28°33	23°29	22°12	21°8	8°44	S 13
S 14	11 23 50	22°45'34	13°18	29°37	11°34	0°57	6°19	18°24	12°20	3°3	28°31	23°24	22°9	21°14	8°47	S 14
M15	11 27 47	23°45'22	25°14	1°Y35	12°44	1°34	6°21	18°30	12°17	3°3	28°30	23°18	22°6	21°21	8°51	M15
T 16	11 31 44	24°45'08	7°17	3°33	13°55	2°10	6°22	18°35	12°15	3°3	28°28	23°13	22°3	21°28	8°54	T 16
W17	11 35 40	25°44'52	19°29	5°30	15°6	2°46	6°23	18°41	12°12	3°2	28°27	23°8	21°59	21°34	8°57	W17
T 18	11 39 37	26°44'34	1°53	7°27	16°16	3°22	6°25	18°47	12°10	3°2	28°25	23°4	21°56	21°41	9°1	T 18
F 19	11 43 33	27°44'15	14°31	9°23	17°27	3°58	6°26	18°53	12°8	3°1	28°23	23°1	21°53	21°47	9°4	F 19
S 20	11 47 30	28°43'54	27°28	11°16	18°38	4°34	6°26	18°58	12°5	3°1	28°22	23°D 0	21°50	21°54	9°8	S 20
S 21	11 51 26	29°43'31	10°346	13°8	19°49	5°10	6°27	19°4	12°3	3°1	28°20	23°1	21°47	22°1	9°11	S 21
M22	11 55 23	0°Y43'07	24°28	14°58	21°0	5°46	6°27	19°10	12°0	3°0	28°18	23°2	21°43	22°7	9°15	M22
T 23	11 59 19	1°42'41	8°36	16°44	22°11	6°22	6°R27	19°16	11°58	2°59	28°17	23°4	21°40	22°14	9°18	T 23
W24	12 3 16	2°42'13	23°8	18°28	23°22	6°58	6°27	19°22	11°55	2°59	28°15	23°R 4	21°37	22°21	9°22	W24
T 25	12 7 13	3°41'43	8°2	20°7	24°33	7°33	6°27	19°29	11°52	2°58	28°13	23°3	21°34	22°27	9°25	T 25
F 26	12 11 9	4°41'11	23°10	21°43	25°44	8°9	6°27	19°35	11°50	2°58	28°12	23°1	21°31	22°34	9°29	F 26
S 27	12 15 6	5°40'37	8°Y25	23°14	26°56	8°45	6°26	19°41	11°47	2°57	28°10	22°56	21°28	22°41	9°32	S 27
S 28	12 19 2	6°40'01	23°35	24°39	28°7	9°20	6°25	19°47	11°45	2°56	28°9	22°50	21°24	22°47	9°36	S 28
M29	12 22 59	7°39'23	8°31	26°0	29°18	9°56	6°25	19°54	11°42	2°56	28°7	22°43	21°21	22°54	9°39	M29
T 30	12 26 55	8°38'43	23°3	27°15	0°X30	10°31	6°23	20°0	11°40	2°55	28°5	22°36	21°18	23°1	9°43	T 30
W31	12 30 52	9°Y38'01	7°II 9	28°Y23	1°X41	11°3	6°22	20°8	11°37	2°54	28°4	22°30	21°15	23°7	9°Y46	W31

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
M 1	7s55	16n 1	4n50	11s40	2s 3	19s38	1n16	23s 6	0n 9	20s19	0n57	15n 0	2s 5	4s24	0n43	19s 8
T 2	7 32	21 7	5 12	10 57	2 0	19 28	1 12	23 9	0 8	20 20	0 57	15 2	2 5	4 23	0 43	19 8
W 3	7 9	24 54	5 15	10 13	1 57	19 19	1 8	23 12	0 7	20 20	0 57	15 3	2 5	4 22	0 43	19 8
T 4	6 46	27 10	5 0	9 28	1 54	19 8	1 4	23 14	0 6	20 21	0 57	15 5	2 4	4 21	0 43	19 8
F 5	6 23	27 51	4 30	8 42	1 50	18 58	1 0	23 17	0 5	20 21	0 58	15 7	2 4	4 21	0 43	19 8
S 6	6 0	27 2	3 48	7 54	1 46	18 46	0 55	23 19	0 4	20 22	0 58	15 8	2 4	4 20	0 43	19 8
S 7	5 37	24 52	2 55	7 5	1 41	18 35	0 51	23 21	0 3	20 22	0 58	15 10	2 4	4 19	0 43	19 8
M 8	5 13	21 35	1 56	6 15	1 35	18 22	0 47	23 23	0 2	20 23	0 58	15 11	2 4	4 18	0 43	19 8
T 9	4 50	17 27	0 52	5 24	1 29	18 9	0 43	23 25	0 1	20 23	0 58	15 13	2 3	4 17	0 43	19 8
W10	4 27	12 40	0s13	4 32	1 22	17 56	0 39	23 26	0s 0	20 23	0 58	15 15	2 3	4 16	0 43	19 7
T 11	4 3	7 27	1 17	3 39	1 15	17 42	0 35	23 28	0 1	20 24	0 58	15 16	2 3	4 15	0 43	19 7
F 12	3 40	2 0	2 18	2 45	1 7	17 28	0 31	23 29	0 2	20 24	0 58	15 18	2 3	4 14	0 43	19 7
S 13	3 16	3s31	3 13	1 50	0 59	17 13	0 27	23 30	0 3	20 24	0 58	15 20	2 2	4 13	0 43	19 7
S 14	2 52	8 55	3 59	0 55	0 50	16 57	0 23	23 31	0 5	20 25	0 58	15 21	2 2	4 12	0 43	19 7
M15	2 29	14 2	4 36	0n 1	0 40	16 41	0 19	23 32	0 6	20 25	0 59	15 23	2 2	4 12	0 43	19 7
T 16	2 5	18 40	5 0	0 57	0 30	16 25	0 15	23 33	0 7	20 25	0 59	15 25	2 2	4 11	0 43	19 7
W17	1 41	22 36	5 11	1 53	0 20	16 8	0 11	23 33	0 8	20 25	0 59	15 26	2 2	4 10	0 43	19 7
T 18	1 18	25 34	5 8	2 49	0 9	15 51	0 7	23 34	0 9	20 25	0 59	15 28	2 1	4 9	0 43	19 7
F 19	0 54	27 21	4 51	3 45	0n 2	15 33	0 3	23 34	0 11	20 25	0 59	15 30	2 1	4 8	0 43	19 6
S 20	0 30	27 43	4 18	4 41	0 14	15 15	0s 0	23 34	0 12	20 25	0 59	15 32	2 1	4 7	0 43	19 6
S 21	0 7	26 30	3 30	5 35	0 26	14 56	0 4	23 34	0 13	20 25	0 59	15 34	2 1	4 6	0 43	19 6
M22	0n17	23 41	2 29	6 29	0 38	14 37	0 8	23 34	0 15	20 25	0 59	15 35	2 0	4 5	0 43	19 6
T 23	0 41	19 22	1 18	7 21	0 50	14 18	0 11	23 33	0 16	20 25	0 59	15 37	2 0	4 4	0 43	19 6
W24	1 5	13 48	0n 0	8 12	1 3	13 58	0 15	23 33	0 17	20 25	0 59	15 39	2 0	4 3	0 43	19 6
T 25	1 28	7 19	1 20	9 2	1 15	13 38	0 18	23 32	0 18	20 25	0 59	15 41	2 0	4 2	0 43	19 6
F 26	1 52	0 19	2 36	9 49	1 27	13 17	0 22	23 31	0 20	20 25	1 0	15 43	2 0	4 1	0 43	19 5
S 27	2 15	6n43	3 41	10 34	1 39	12 56	0 25	23 31	0 21	20 25	1 0	15 45	1 59	4 0	0 43	19 5
S 28	2 39	13 20	4 30	11 17	1 51	12 35	0 29	23 30	0 23	20 24	1 0	15 46	1 59	3 59	0 43	19 5
M29	3 2	19 4	4 59	11 57	2 2	12 13	0 32	23 28	0 24	20 24	1 0	15 48	1 59	3 58	0 43	19 5
T 30	3 26	23 31	5 9	12 34	2 13	11 51	0 35	23 27	0 26	20 24	1 0	15 50	1 59	3 57	0 43	19 5
W31	3n49	26n25	4n59	13n 8	2n23	11s28	0s38	23s26	0s27	20s23	1n 0	15n52	1s59	3s56	0n43	19s 5

Julian Day Number = 2441011.5, Delta T = 41.34 sec
Ecliptic obliquity = 23°26'43", Nutation = 0°00'11", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 24°20'15", Lahiri = 23°27'15"

ASTRODIENST EPHEMERIS for the year 1971

geocentric

APRIL 1971

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 34 48	10°37'16	20°11'45	29°26'53	2°53'53	11°34'41	6°21'21	20°13'13	11°34'34	2°53'53	28°21'22	22°26'12	21°12'12	23°14'14	9°50'50	T 1
F 2	12 38 45	11°36'29	3°35'52	0°22'42	4° 4' 4	12°16'16	6°19'19	20°20'20	11°32'32	2°52'52	28°11'11	22°24'24	21° 8' 8	23°21'21	9°53'53	F 2
S 3	12 42 42	12°35'40	16°34'34	1°12'12	5°16'16	12°52'52	6°17'17	20°27'27	11°29'29	2°52'52	27°59'59	22°24'24	21° 5' 5	23°27'27	9°57'57	S 3
S 4	12 46 38	13°34'49	28°56'56	1°54'54	6°27'27	13°26'26	6°15'15	20°33'33	11°27'27	2°51'51	27°57'57	22°25'25	21° 2' 2	23°34'34	10° 1' 1	S 4
M 5	12 50 35	14°33'55	11°12'12	2°30'30	7°39'39	14° 1' 1	6°13'13	20°40'40	11°24'24	2°50'50	27°56'56	22°26'26	20°59'59	23°41'41	10° 4' 4	M 5
T 6	12 54 31	15°32'58	22°58'58	2°59'59	8°50'50	14°36'36	6°10'10	20°47'47	11°21'21	2°49'49	27°54'54	22°27'27	20°56'56	23°47'47	10° 8' 8	T 6
W 7	12 58 28	16°32'00	4°14'47	3°21'21	10° 2' 2	15°11'11	6° 8' 8	20°54'54	11°19'19	2°48'48	27°53'53	22°26'26	20°53'53	23°54'54	10°11'11	W 7
T 8	13 2 24	17°30'59	16°34'34	3°36'36	11°14'14	15°45'45	6° 5' 5	21° 1' 1	11°16'16	2°47'47	27°51'51	22°23'23	20°49'49	24° 1' 1	10°15'15	T 8
F 9	13 6 21	18°29'56	28°23'23	3°44'44	12°25'25	16°20'20	6° 2' 2	21° 7' 7	11°14'14	2°46'46	27°50'50	22°17'17	20°46'46	24° 7' 7	10°18'18	F 9
S 10	13 10 17	19°28'51	10°15'15	3°46'46	13°37'37	16°54'54	5°59'59	21°14'14	11°11'11	2°45'45	27°48'48	22° 9' 9	20°43'43	24°14'14	10°22'22	S 10
S 11	13 14 14	20°27'44	22°14'14	3°41'41	14°49'49	17°29'29	5°55'55	21°21'21	11° 9' 9	2°44'44	27°47'47	22° 0' 0	20°40'40	24°21'21	10°25'25	S 11
M12	13 18 11	21°26'35	4°11'19	3°29'29	16° 1' 1	18° 3' 3	5°52'52	21°29'29	11° 6' 6	2°43'43	27°45'45	21°48'48	20°37'37	24°27'27	10°29'29	M12
T 13	13 22 7	22°25'24	16°33'33	3°12'12	17°13'13	18°37'37	5°48'48	21°36'36	11° 3' 3	2°41'41	27°44'44	21°37'37	20°34'34	24°34'34	10°32'32	T 13
W14	13 26 4	23°24'11	28°56'56	2°50'50	18°24'24	19°11'11	5°45'45	21°43'43	11° 1' 1	2°40'40	27°42'42	21°27'27	20°30'30	24°41'41	10°35'35	W14
T 15	13 30 0	24°22'56	11°14'30	2°22'22	19°36'36	19°45'45	5°41'41	21°50'50	10°58'58	2°39'39	27°41'41	21°18'18	20°27'27	24°47'47	10°39'39	T 15
F 16	13 33 57	25°21'40	24°16'16	1°51'51	20°48'48	20°19'19	5°36'36	21°57'57	10°56'56	2°38'38	27°39'39	21°11'11	20°24'24	24°54'54	10°42'42	F 16
S 17	13 37 53	26°20'22	7°31'16	1°15'15	22° 0' 0	20°52'52	5°32'32	22° 4' 4	10°53'53	2°37'37	27°38'38	21° 7' 7	20°21'21	25° 1' 1	10°46'46	S 17
S 18	13 41 50	27°19'02	20°33'33	0°37'37	23°12'12	21°26'26	5°28'28	22°12'12	10°51'51	2°35'35	27°37'37	21° 6' 6	20°18'18	25° 8' 8	10°49'49	S 18
M19	13 45 46	28°17'41	4°11'19	29°26'56	24°24'24	21°59'59	5°23'23	22°19'19	10°49'49	2°34'34	27°35'35	21°10'10	20°14'14	25°14'14	10°53'53	M19
T 20	13 49 43	29°16'18	18° 3' 3	29°14'18	25°36'36	22°33'33	5°18'18	22°26'26	10°46'46	2°33'33	27°34'34	21°10'10	20°11'11	25°21'21	10°56'56	T 20
W21	13 53 40	0°14'53	2°14'53	2°14'53	26°48'48	23° 6' 6	5°13'13	22°34'34	10°44'44	2°32'32	27°33'33	21° 5' 5	20° 8' 8	25°28'28	10°59'59	W21
T 22	13 57 36	1°13'26	16°55'55	27°50'50	28° 1' 1	23°39'39	5° 8' 8	22°41'41	10°41'41	2°30'30	27°31'31	21° 3' 3	20° 5' 5	25°34'34	11° 3' 3	T 22
F 23	14 1 33	2°11'58	1°14'47	27° 8' 8	29°13'13	24°12'12	5° 3' 3	22°48'48	10°39'39	2°29'29	27°30'30	20°58'58	20° 2' 2	25°41'41	11° 6' 6	F 23
S 24	14 5 29	3°10'28	16°47'47	26°29'29	0°25'25	24°45'45	4°58'58	22°56'56	10°37'37	2°28'28	27°29'29	20°51'51	19°59'59	25°48'48	11° 9' 9	S 24
S 25	14 9 26	4° 8'57	1°18'48	25°52'52	1°37'37	25°17'17	4°52'52	23° 3' 3	10°34'34	2°26'26	27°28'28	20°41'41	19°55'55	25°54'54	11°13'13	S 25
M26	14 13 22	5° 7'23	16°40'40	25°17'17	2°49'49	25°50'50	4°46'46	23°11'11	10°32'32	2°25'25	27°26'26	20°30'30	19°52'52	26° 1' 1	11°16'16	M26
T 27	14 17 19	6° 5'48	1°11'13	24°46'46	4° 1' 1	26°22'22	4°41'41	23°18'18	10°30'30	2°23'23	27°25'25	20°20'20	19°49'49	26° 8' 8	11°19'19	T 27
W28	14 21 15	7° 4'11	15°22'22	24°19'19	5°14'14	26°54'54	4°35'35	23°26'26	10°28'28	2°22'22	27°24'24	20°10'10	19°46'46	26°14'14	11°22'22	W28
T 29	14 25 12	8° 2'31	29° 2' 2	23°56'56	6°26'26	27°26'26	4°29'29	23°34'34	10°25'25	2°21'21	27°23'23	20° 3' 3	19°43'43	26°21'21	11°26'26	T 29
F 30	14 29 9	9° 0'50	12°15'15	23°37'37	7°38'38	27°38'38	4°23'23	23°41'41	10°23'23	2°19'19	27°22'22	19°58'58	19°40'40	26°28'28	11°29'29	F 30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	4n12	27n39	4n32	13n39	2n32	11s 5	0s41	23s24	0s28	20s23	1n 0	15n54	1s59	3s55	0n43	19s 4
F 2	4 36	27 15	3 52	14 7	2 41	10 42	0 44	23 23	0 30	20 23	1 0	15 56	1 58	3 54	0 43	19 4
S 3	4 59	25 25	3 1	14 32	2 49	10 19	0 47	23 21	0 31	20 22	1 0	15 58	1 58	3 53	0 43	19 4
S 4	5 22	22 23	2 3	14 53	2 55	9 55	0 50	23 19	0 33	20 22	1 0	16 0	1 58	3 52	0 43	19 4
M 5	5 45	18 27	1 1	15 10	3 1	9 31	0 53	23 17	0 35	20 22	1 0	16 2	1 58	3 51	0 43	19 3
T 6	6 7	13 49	0s 3	15 25	3 5	9 7	0 56	23 15	0 36	20 21	1 0	16 4	1 58	3 50	0 43	19 3
W 7	6 30	8 44	1 6	15 35	3 8	8 42	0 58	23 12	0 38	20 21	1 1	16 6	1 58	3 49	0 43	19 3
T 8	6 53	3 22	2 6	15 42	3 10	8 18	1 1	23 10	0 39	20 20	1 1	16 8	1 57	3 48	0 43	19 3
F 9	7 15	2s 7	3 0	15 45	3 11	7 53	1 3	23 8	0 41	20 19	1 1	16 9	1 57	3 47	0 43	19 3
S 10	7 37	7 33	3 47	15 45	3 10	7 27	1 6	23 5	0 43	20 19	1 1	16 11	1 57	3 46	0 43	19 2
S 11	8 0	12 44	4 24	15 41	3 8	7 2	1 8	23 2	0 44	20 18	1 1	16 13	1 57	3 45	0 43	19 2
M12	8 22	17 30	4 50	15 33	3 4	6 36	1 10	22 59	0 46	20 18	1 1	16 15	1 57	3 44	0 43	19 2
T 13	8 44	21 37	5 2	15 22	2 58	6 10	1 13	22 57	0 48	20 17	1 1	16 17	1 57	3 43	0 43	19 2
W14	9 6	24 49	5 1	15 8	2 51	5 44	1 15	22 54	0 50	20 16	1 1	16 19	1 57	3 42	0 43	19 1
T 15	9 27	26 52	4 45	14 51	2 43	5 18	1 17	22 50	0 51	20 15	1 1	16 21	1 56	3 41	0 43	19 1
F 16	9 49	27 34	4 15	14 30	2 33	4 51	1 19	22 47	0 53	20 15	1 1	16 23	1 56	3 40	0 43	19 1
S 17	10 10	26 46	3 31	14 8	2 22	4 25	1 21	22 44	0 55	20 14	1 1	16 25	1 56	3 39	0 43	19 1
S 18	10 31	24 26	2 35	13 42	2 9	3 58	1 23	22 41	0 57	20 13	1 1	16 27	1 56	3 38	0 43	19 0
M19	10 52	20 40	1 29	13 15	1 56	3 31	1 24	22 37	0 59	20 12	1 1	16 29	1 56	3 37	0 43	19 0
T 20	11 13	15 41	0 16	12 47	1 41	3 4	1 26	22 34	1 1	20 11	1 1	16 31	1 56	3 36	0 43	19 0
W21	11 34	9 43	0n59	12 17	1 26	2 37	1 28	22 30	1 3	20 10	1 1	16 33	1 56	3 35	0 43	18 59
T 22	11 54	3 8	2 13	11 47	1 10	2 9	1 29	22 26	1 5	20 9	1 1	16 35	1 55	3 34	0 43	18 59
F 23	12 14	3n44	3 18	11 17	0 53	1 42	1 31	22 22	1 7	20 8	1 1	16 37	1 55	3 33	0 43	18 59
S 24	12 34	10 27	4 11	10 47	0 36	1 15	1 32	22 19	1 9	20 7	1 1	16 39	1 55	3 32	0 43	18 59
S 25	12 54	16 34	4 46	10 17	0 19	0 47	1 33	22 15	1 11	20 6	1 1	16 41	1 55	3 31	0 43	18 58
M26	13 14	21 37	5 1	9 49	0 2	0 19	1 35	22 11	1 13	20 5	1 1	16 43	1 55	3 31	0 43	18 58
T 27	13 33	25 14	4 56	9 22	0s15	0n 8	1 36	22 7	1 15	20 4	1 1	16 45	1 55	3 30	0 43	18 58
W28	13 53	27 10	4 33	8 57	0 31	0 36	1 37	22 3	1 17	20 3	1 1	16 47	1 55	3 29	0 43	18 57
T 29	14 12	27 22	3 55	8 33	0 47	1 4	1 38	21 58	1 19	20 2	1 1	16 49	1 55	3 28	0 43	18 57
F 30	14n30	25n58	3n 6	8n12	1s 3	1n31	1s39	21s54	1s21	20s 1	1n 1	16n51	1s55	3s27	0n43	18s57

Julian Day Number = 2441042.5, Delta T = 41.42 sec

Ecliptic obliquity = 23°26'42, Nutation = 0°00'10, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 24°20'19, Lahiri = 23°27'20

ASTRODIENST EPHEMERIS for the year 1971
geocentric

MAY 1971

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 33 5	9♂59'07	25♂ 1	23°R23	8♂°50	28♂30	4°R16	23♂49	10°R21	2°R18	27°R21	19°R56	19♂36	26♂34	11♂32	S 1
S 2	14 37 2	10°57'21	7♂25	23♂°14	10° 3	29° 1	4♂10	23°56	10♂19	2♂16	27♂19	19°D55	19°33	26°41	11°35	S 2
M 3	14 40 58	11°55'34	19°32	23°D 9	11°15	29°33	4° 3	24° 4	10°17	2°15	27°18	19°R55	19°30	26°48	11°38	M 3
T 4	14 44 55	12°53'44	1♂28	23°10	12°27	0♂ 4	3°57	24°12	10°15	2°13	27°17	19♂54	19°27	26°54	11°42	T 4
W 5	14 48 51	13°51'53	13°17	23°15	13°40	0°35	3°50	24°19	10°13	2°12	27°16	19°53	19°24	27° 1	11°45	W 5
T 6	14 52 48	14°49'59	25° 5	23°25	14°52	1° 6	3°43	24°27	10°11	2°10	27°15	19°49	19°20	27° 8	11°48	T 6
F 7	14 56 44	15°48'04	6♂56	23°39	16° 4	1°36	3°37	24°35	10° 9	2° 9	27°14	19°42	19°17	27°14	11°51	F 7
S 8	15 0 41	16°46'07	18°53	23°58	17°17	2° 7	3°30	24°42	10° 7	2° 7	27°13	19°32	19°14	27°21	11°54	S 8
S 9	15 4 38	17°44'08	0♂59	24°22	18°29	2°37	3°23	24°50	10° 5	2° 6	27°13	19°21	19°11	27°28	11°57	S 9
M10	15 8 34	18°42'07	13°16	24°49	19°41	3° 7	3°15	24°58	10° 3	2° 4	27°12	19° 8	19° 8	27°34	12° 0	M10
T 11	15 12 31	19°40'05	25°44	25°21	20°54	3°37	3° 8	25° 6	10° 1	2° 2	27°11	18°54	19° 5	27°41	12° 3	T 11
W12	15 16 27	20°38'02	8♂24	25°57	22° 6	4° 7	3° 1	25°13	10° 0	2° 1	27°10	18°41	19° 1	27°48	12° 6	W12
T 13	15 20 24	21°35'57	21°15	26°37	23°19	4°36	2°54	25°21	9°58	1°59	27° 9	18°31	18°58	27°54	12° 9	T 13
F 14	15 24 20	22°33'50	4♂17	27°20	24°31	5° 5	2°46	25°29	9°56	1°58	27° 8	18°23	18°55	28° 1	12°11	F 14
S 15	15 28 17	23°31'42	17°31	28° 7	25°44	5°34	2°39	25°37	9°54	1°56	27° 8	18°17	18°52	28° 8	12°14	S 15
S 16	15 32 13	24°29'33	0♂57	28°58	26°56	6° 3	2°32	25°44	9°53	1°55	27° 7	18°15	18°49	28°14	12°17	S 16
M17	15 36 10	25°27'23	14°35	29°52	28° 9	6°31	2°24	25°52	9°51	1°53	27° 6	18°D14	18°46	28°21	12°20	M17
T 18	15 40 7	26°25'11	28°27	0♂49	29°21	7° 0	2°16	26° 0	9°50	1°51	27° 6	18°R14	18°42	28°28	12°23	T 18
W19	15 44 3	27°22'59	12♂33	1°49	0♂34	7°27	2° 9	26° 8	9°48	1°50	27° 5	18°13	18°39	28°34	12°25	W19
T 20	15 48 0	28°20'45	26°53	2°53	1°46	7°55	2° 1	26°15	9°47	1°48	27° 4	18°11	18°36	28°41	12°28	T 20
F 21	15 51 56	29°18'30	11♂24	3°59	2°59	8°23	1°54	26°23	9°45	1°46	27° 4	18° 6	18°33	28°48	12°31	F 21
S 22	15 55 53	0♂16'14	26° 1	5° 8	4°12	8°50	1°46	26°31	9°44	1°45	27° 3	17°59	18°30	28°54	12°33	S 22
S 23	15 59 49	1°13'57	10♂40	6°20	5°24	9°16	1°38	26°39	9°43	1°43	27° 3	17°49	18°26	29° 1	12°36	S 23
M24	16 3 46	2°11'39	25°12	7°35	6°37	9°43	1°31	26°46	9°41	1°42	27° 2	17°38	18°23	29° 8	12°38	M24
T 25	16 7 42	3° 9'20	9♂30	8°52	7°49	10° 9	1°23	26°54	9°40	1°40	27° 2	17°27	18°20	29°14	12°41	T 25
W26	16 11 39	4° 6'59	23°29	10°12	9° 2	10°35	1°15	27° 2	9°39	1°38	27° 1	17°18	18°17	29°21	12°43	W26
T 27	16 15 36	5° 4'37	7♂ 4	11°35	10°15	11° 1	1° 8	27°10	9°38	1°37	27° 1	17°10	18°14	29°28	12°46	T 27
F 28	16 19 32	6° 2'14	20°14	13° 0	11°27	11°26	1° 0	27°17	9°37	1°35	27° 1	17° 5	18°11	29°35	12°48	F 28
S 29	16 23 29	6°59'49	3♂ 1	14°28	12°40	11°51	0°53	27°25	9°36	1°33	27° 0	17° 2	18° 7	29°41	12°51	S 29
S 30	16 27 25	7°57'23	15°27	15°58	13°53	12°15	0°45	27°33	9°35	1°32	27° 0	17°D 1	18° 4	29°48	12°53	S 30
M31	16 31 22	8♂54'56	27♂36	17♂30	15♂ 6	12♂40	0♂38	27♂40	9♂34	1♂30	27♂ 0	17♂ 1	18♂ 1	29♂55	12♂55	M31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	14n49	23n14	2n 8	7n53	1s18	1n59	1s39	21s50	1s24	20s 0	1n 1	16n53	1s55	3s26	0n43	18s56	1n43	16n 5	16n25	14s50	14s56	1s29	6n33	2n 9	
S 2	15 7	19 29	1 6	7 37	1 32	2 27	1 40	21 46	1 26	19 59	1 1	16 55	1 54	3 26	0 43	18 56	1 43	16 5	16 25	14 51	14 57	1 32	6 34	2 9	
M 3	15 25	15 0	0 2	7 23	1 45	2 54	1 41	21 41	1 28	19 58	1 1	16 57	1 54	3 25	0 43	18 56	1 43	16 5	16 25	14 51	14 58	1 35	6 35	2 9	
T 4	15 43	10 1	1s 1	7 11	1 57	3 22	1 41	21 37	1 31	19 56	1 1	16 59	1 54	3 24	0 43	18 56	1 43	16 5	16 24	14 51	14 59	1 39	6 37	2 9	
W 5	16 0	4 43	2 0	7 2	2 9	3 50	1 42	21 33	1 33	19 55	1 1	17 1	1 54	3 23	0 43	18 55	1 43	16 5	16 24	14 51	15 0	1 42	6 38	2 9	
T 6	16 17	0s43	2 55	6 56	2 20	4 17	1 42	21 28	1 35	19 54	1 1	17 3	1 54	3 22	0 43	18 55	1 43	16 6	16 23	14 53	15 1	1 45	6 39	2 9	
F 7	16 34	6 8	3 41	6 52	2 30	4 45	1 42	21 24	1 38	19 53	1 1	17 5	1 54	3 22	0 43	18 55	1 43	16 6	16 23	14 55	15 2	1 49	6 40	2 9	
S 8	16 51	11 23	4 19	6 51	2 38	5 12	1 43	21 19	1 40	19 51	1 1	17 6	1 54	3 21	0 43	18 54	1 43	16 6	16 23	14 58	15 3	1 52	6 41	2 9	
S 9	17 7	16 16	4 45	6 52	2 46	5 40	1 43	21 15	1 43	19 50	1 1	17 8	1 54	3 20	0 43	18 54	1 43	16 6	16 22	15 1	15 4	1 55	6 43	2 9	
M10	17 24	20 33	4 58	6 55	2 54	6 7	1 43	21 10	1 45	19 49	1 1	17 10	1 54	3 20	0 43	18 54	1 43	16 6	16 22	15 6	15 5	1 58	6 44	2 9	
T 11	17 39	24 1	4 58	7 1	3 0	6 34	1 43	21 6	1 48	19 47	1 1	17 12	1 54	3 19	0 43	18 53	1 43	16 6	16 22	15 10	15 6	2 2	6 45	2 9	
W12	17 55	26 22	4 43	7 9	3 5	7 1	1 43	21 1	1 50	19 46	1 1	17 14	1 54	3 18	0 43	18 53	1 43	16 6	16 21	15 14	15 7	2 5	6 46	2 9	
T 13	18 10	27 22	4 13	7 19	3 10	7 28	1 43	20 57	1 53	19 45	1 1	17 16	1 54	3 18	0 43	18 53	1 43	16 6	16 21	15 17	15 8	2 8	6 47	2 9	
F 14	18 25	26 52	3 30	7 31	3 13	7 55	1 43	20 52	1 55	19 43	1 1	17 18	1 54	3 17	0 43	18 52	1 43	16 6	16 21	15 19	15 9	2 12	6 48	2 9	
S 15	18 40	24 51	2 35	7 45	3 16	8 21	1 42	20 47	1 58	19 42	1 1	17 20	1 54	3 16	0 43	18 52	1 43	16 6	16 20	15 21	15 10	2 15	6 49	2 9	
S 16	18 54	21 25	1 30	8 1	3 18	8 48	1 42	20 43	2 1	19 41	1 1	17 22	1 53	3 16	0 43	18 52	1 43	16 5	16 20	15 22	15 11	2 18	6 51	2 9	
M17	19 8	16 46	0 19	8 18	3 20	9 14	1 42	20 38	2 4	19 39	1 1	17 23	1 53	3 15	0 43	18 51	1 43	16 5	16 19	15 22	15 12	2 21	6 52	2 10	
T 18	19 21	11 10	0n54	8 38	3 20	9 40	1 41	20 34	2 6	19 38	1 1	17 25	1 53	3 15	0 43	18 51	1 43	16 5	16 19	15 22	15 13	2 25	6 53	2 10	
W19	19 35	4 56	2 5	8 59	3 20	10 6	1 40	20 29	2 9	19 36	1 1	17 27	1 53	3 14	0 42	18 51	1 43	16 5	16 19	15 22	15 14	2 28	6 54	2 10	
T 20	19 48	1n39	3 9	9 21	3 19	10 32	1 40	20 25	2 12	19 35	1 1	17 29	1 53	3 13	0 42	18 50	1 43	16 5	16 18	15 23	15 15	2 31	6 55	2 10	
F 21	20 0	8 13	4 2	9 45	3 18	10 57	1 39	20 21	2 15	19 33	1 0	17 31	1 53	3 13	0 42	18 50	1 43	16 5	16 18	15 24	15 16	2 35	6 56	2 10	
S 22	20 13	14 23	4 40	10 10	3 16	11 23	1 38	20 16	2 18	19 32	1 0	17 33	1 53	3 12	0 42	18 50	1 43	16 5	16 17	15 27	15 17	2 38	6 57	2 10	
S 23	20 25	19 45	4 59	10 36	3 13	11 48	1 37	20 12	2 21	19 31	1 0	17 35	1 53	3 12	0 42	18 49	1 43	16 4	16 17	15 30	15 18	2 41	6 58	2 10	
M24	20 36	23 54	4 59	11 3	3 9	12 12	1 36	20 8	2 24	19 29	1 0	17 36	1 53	3 12	0 42	18 49	1 43	16 4	16 16	15 33	15 19	2 44	6 59	2 10	
T 25	20 48	26 29	4 39	11 32	3 5	12 37	1 36	20 4	2 27	19 28	1 0	17 38	1 53	3 11	0 42	18 49	1 43	16 4	16 16	15 36	15 20	2 48	7 0	2 10	
W26	20 58	27 21	4 4	12 1	3 0	13 1	1 34	19 59	2 30	19 26	1 0	17 40	1 53	3 11	0 42	18 49	1 43	16 4	16 16	15 39	15 21	2 51	7 1	2 10	
T 27	21 9	26 30	3 15	12 32	2 55	13 25	1 33	19 55	2 33	19 25	1 0	17 42	1 53	3 10	0 42	18 48	1 43	16 4	16 15	15 42	15 22	2 54	7 2	2 10	
F 28	21 19	24 11	2 17	13 3	2 49	13 49	1 32	19 51	2 36	19 23	1 0	17 43	1 53	3 10	0 42	18 48	1 43	16 3	16 15	15 43	15 23	2 57	7 3	2 10	
S 29	21 29	20 41	1 14	13 35	2 43	14 12	1 31	19 47	2 39	19 22	1 0	17 45	1 53	3 9	0 42	18 48	1 43	16 3	16 14	15 44	15 24	3 1	7 4	2 10	
S 30	21 38	16 21	0 8	14 8	2 36	14 35	1 30	19 44	2 43	19 21	0 59	17 47	1 53	3 9	0 42	18 47	1 43	16 3	16 14	15 44	15 25	3 4	7 5	2 10	
M31	21n47	11n26	0s56	14n41	2s29	14n58	1s28	19s40	2s46	19s19	0n59	17n49	1s53	3s 9	0n42	18s47	1n43	16n 2	16n13	15s44	15s26	3s 7	7n 6	2n10	

ASTRODIENST EPHEMERIS for the year 1971
geocentric

JUNE 1971

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 35 18	9Ⅱ52'27	9Ⅲ33	19Ⅲ 6	16Ⅲ18	13Ⅲ 3	0°R30	27Ⅲ48	9°R33	1°R29	26°R59	17°R 2	17Ⅲ58	0Ⅲ 1	12Ⅲ57	T 1
W 2	16 39 15	10°49'56	21°24	20°43	17°31	13°27	0Ⅲ23	27°56	9Ⅲ32	1Ⅲ27	26Ⅲ59	17Ⅲ 1	17°55	0° 8	13° 0	W 2
T 3	16 43 11	11°47'25	3Ⅲ14	22°24	18°44	13°50	0°15	28° 3	9°31	1°25	26°59	16°59	17°52	0°15	13° 2	T 3
F 4	16 47 8	12°44'52	15° 8	24° 6	19°56	14°13	0° 8	28°11	9°31	1°24	26°59	16°54	17°48	0°21	13° 4	F 4
S 5	16 51 5	13°42'18	27°10	25°51	21° 9	14°35	0° 1	28°19	9°30	1°22	26°59	16°47	17°45	0°28	13° 6	S 5
S 6	16 55 1	14°39'43	9Ⅲ23	27°39	22°22	14°57	29Ⅲ53	28°26	9°29	1°21	26°59	16°38	17°42	0°35	13° 8	S 6
M 7	16 58 58	15°37'07	21°51	29°29	23°35	15°18	29°46	28°34	9°29	1°19	26°59	16°28	17°39	0°41	13°10	M 7
T 8	17 2 54	16°34'30	4Ⅲ33	1Ⅲ21	24°48	15°39	29°39	28°41	9°28	1°18	26°D59	16°18	17°36	0°48	13°12	T 8
W 9	17 6 51	17°31'52	17°30	3°16	26° 0	16° 0	29°32	28°49	9°28	1°16	26°59	16° 8	17°32	0°55	13°14	W 9
T 10	17 10 47	18°29'13	0Ⅲ42	5°12	27°13	16°20	29°25	28°56	9°27	1°14	26°59	15°59	17°29	1° 1	13°16	T 10
F 11	17 14 44	19°26'34	14° 6	7°12	28°26	16°40	29°19	29° 4	9°27	1°13	26°59	15°53	17°26	1° 8	13°18	F 11
S 12	17 18 40	20°23'54	27°42	9°13	29°39	16°59	29°12	29°11	9°27	1°11	26°59	15°50	17°23	1°15	13°19	S 12
S 13	17 22 37	21°21'13	11Ⅲ27	11°16	0Ⅲ52	17°18	29° 5	29°19	9°26	1°10	26°59	15°D48	17°20	1°21	13°21	S 13
M14	17 26 34	22°18'32	25°20	13°21	2° 5	17°36	28°59	29°26	9°26	1° 8	26°59	15°48	17°17	1°28	13°23	M14
T 15	17 30 30	23°15'50	9Ⅲ20	15°28	3°18	17°54	28°52	29°33	9°26	1° 7	27° 0	15°49	17°13	1°35	13°24	T 15
W16	17 34 27	24°13'08	23°27	17°36	4°30	18°11	28°46	29°41	9°26	1° 5	27° 0	15°R50	17°10	1°41	13°26	W16
T 17	17 38 23	25°10'26	7Ⅲ39	19°45	5°43	18°28	28°40	29°48	9°26	1° 4	27° 0	15°49	17° 7	1°48	13°28	T 17
F 18	17 42 20	26° 7'43	21°53	21°56	6°56	18°44	28°34	29°55	9°D26	1° 3	27° 0	15°47	17° 4	1°55	13°29	F 18
S 19	17 46 16	27° 5'00	6Ⅲ 9	24° 7	8° 9	18°59	28°28	0Ⅲ 2	9°26	1° 1	27° 1	15°42	17° 1	2° 2	13°31	S 19
S 20	17 50 13	28° 2'17	20°22	26°18	9°22	19°14	28°22	0°10	9°26	1° 0	27° 1	15°36	16°58	2° 8	13°32	S 20
M21	17 54 9	28°59'34	4Ⅲ27	28°30	10°35	19°29	28°16	0°17	9°26	0°58	27° 2	15°29	16°54	2°15	13°33	M21
T 22	17 58 6	29°56'50	18°20	0Ⅲ42	11°48	19°43	28°11	0°24	9°26	0°57	27° 2	15°21	16°51	2°22	13°35	T 22
W23	18 2 3	0Ⅲ54'06	1Ⅲ58	2°53	13° 2	19°56	28° 5	0°31	9°27	0°56	27° 3	15°15	16°48	2°28	13°36	W23
T 24	18 5 59	1°51'22	15°18	5° 4	14°15	20° 8	28° 0	0°38	9°27	0°54	27° 3	15°10	16°45	2°35	13°37	T 24
F 25	18 9 56	2°48'37	28°18	7°13	15°28	20°20	27°55	0°45	9°27	0°53	27° 4	15° 6	16°42	2°42	13°38	F 25
S 26	18 13 52	3°45'52	10Ⅲ58	9°22	16°41	20°32	27°50	0°52	9°28	0°52	27° 4	15°D 5	16°38	2°48	13°39	S 26
S 27	18 17 49	4°43'06	23°21	11°29	17°54	20°42	27°45	0°59	9°28	0°50	27° 5	15° 5	16°35	2°55	13°41	S 27
M28	18 21 45	5°40'19	5Ⅲ29	13°35	19° 7	20°52	27°40	1° 6	9°29	0°49	27° 5	15° 6	16°32	3° 2	13°42	M28
T 29	18 25 42	6°37'33	17°27	15°40	20°20	21° 1	27°35	1°13	9°29	0°48	27° 6	15° 8	16°29	3° 8	13°43	T 29
W30	18 29 39	7Ⅲ34'45	29Ⅲ19	17Ⅲ42	21Ⅲ33	21Ⅲ10	27Ⅲ31	1Ⅲ19	9Ⅲ30	0Ⅲ47	27Ⅲ 7	15Ⅲ 9	16Ⅲ26	3Ⅲ15	13Ⅲ44	W30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	21n56	6n11	1s57	15n15	2s21	15n20	1s27	19s36	2s49	19s18	0n59	17n50	1s53	3s 9	0n42	18s47	1n43	16n 2	16n13	15s44	15s27	3s10	7n 7	2n10	
W 2	22 4	0 46	2 52	15 49	2 12	15 42	1 25	19 33	2 53	19 16	0 59	17 52	1 53	3 8	0 42	18 46	1 43	16 2	16 12	15 44	15 28	3 14	7 8	2 10	
T 3	22 12	4s39	3 40	16 23	2 4	16 3	1 24	19 29	2 56	19 15	0 59	17 54	1 53	3 8	0 42	18 46	1 43	16 1	16 12	15 45	15 29	3 17	7 8	2 10	
F 4	22 20	9 56	4 19	16 57	1 54	16 24	1 22	19 26	2 59	19 14	0 59	17 55	1 53	3 8	0 42	18 46	1 43	16 1	16 11	15 46	15 30	3 20	7 9	2 10	
S 5	22 27	14 55	4 46	17 32	1 45	16 45	1 21	19 23	3 3	19 12	0 59	17 57	1 53	3 7	0 42	18 45	1 43	16 1	16 11	15 49	15 31	3 24	7 10	2 10	
S 6	22 34	19 23	5 1	18 6	1 35	17 6	1 19	19 19	3 6	19 11	0 58	17 59	1 53	3 7	0 42	18 45	1 43	16 0	16 11	15 51	15 32	3 27	7 11	2 10	
M 7	22 40	23 6	5 2	18 40	1 25	17 25	1 17	19 16	3 10	19 9	0 58	18 0	1 53	3 7	0 42	18 45	1 43	16 0	16 10	15 54	15 33	3 30	7 12	2 10	
T 8	22 46	25 47	4 49	19 13	1 14	17 45	1 16	19 14	3 14	19 8	0 58	18 2	1 53	3 7	0 42	18 45	1 43	15 59	16 10	15 57	15 34	3 33	7 13	2 10	
W 9	22 52	27 10	4 20	19 46	1 3	18 4	1 14	19 11	3 17	19 7	0 58	18 4	1 53	3 7	0 42	18 44	1 43	15 59	16 9	16 0	15 35	3 37	7 13	2 10	
T 10	22 57	27 4	3 37	20 19	0 53	18 23	1 12	19 8	3 21	19 5	0 58	18 5	1 53	3 7	0 42	18 44	1 43	15 59	16 9	16 3	15 36	3 40	7 14	2 10	
F 11	23 1	25 22	2 41	20 50	0 42	18 41	1 10	19 6	3 25	19 4	0 58	18 7	1 53	3 7	0 42	18 44	1 43	15 58	16 8	16 5	15 37	3 43	7 15	2 10	
S 12	23 6	22 11	1 36	21 20	0 31	18 58	1 8	19 3	3 28	19 3	0 57	18 8	1 53	3 6	0 42	18 43	1 43	15 58	16 8	16 6	15 38	3 46	7 16	2 10	
S 13	23 10	17 44	0 23	21 49	0 19	19 16	1 6	19 1	3 32	19 2	0 57	18 10	1 53	3 6	0 42	18 43	1 43	15 57	16 7	16 6	15 39	3 49	7 16	2 10	
M14	23 13	12 17	0n51	22 16	0 8	19 32	1 4	18 59	3 36	19 0	0 57	18 12	1 53	3 6	0 41	18 43	1 43	15 57	16 7	16 6	15 40	3 53	7 17	2 10	
T 15	23 16	6 10	2 3	22 42	0n 2	19 48	1 2	18 57	3 40	18 59	0 57	18 13	1 53	3 6	0 41	18 43	1 43	15 56	16 6	16 6	15 41	3 56	7 18	2 10	
W16	23 19	0n17	3 8	23 5	0 13	20 4	1 0	18 56	3 44	18 58	0 57	18 15	1 53	3 6	0 41	18 42	1 43	15 56	16 6	16 6	15 42	3 59	7 18	2 10	
T 17	23 21	6 44	4 2	23 27	0 24	20 19	0 58	18 54	3 48	18 57	0 57	18 16	1 53	3 6	0 41	18 42	1 43	15 55	16 5	16 6	15 43	4 2	7 19	2 10	
F 18	23 23	12 53	4 41	23 46	0 34	20 34	0 55	18 53	3 51	18 56	0 56	18 18	1 53	3 6	0 41	18 42	1 43	15 54	16 5	16 7	15 43	4 6	7 20	2 10	
S 19	23 25	18 20	5 3	24 2	0 44	20 48	0 53	18 52	3 55	18 54	0 56	18 19	1 53	3 6	0 41	18 41	1 43	15 54	16 4	16 8	15 44	4 9	7 20	2 11	
S 20	23 26	22 45	5 6	24 16	0 53	21 1	0 51	18 51	4 0	18 53	0 56	18 21	1 53	3 6	0 41	18 41	1 43	15 53	16 4	16 10	15 45	4 12	7 21	2 11	
M21	23 26	25 48	4 51	24 28	1 2	21 14	0 49	18 50	4 4	18 52	0 56	18 22	1 53	3 7	0 41	18 41	1 43	15 53	16 3	16 12	15 46	4 15	7 21	2 11	
T 22	23 27	27 13	4 18	24 36	1 10	21 27	0 46	18 49	4 8	18 51	0 56	18 24	1 53	3 7	0 41	18 41	1 43	15 52	16 3	16 14	15 47	4 19	7 22	2 11	
W23	23 26	26 57	3 32	24 42	1 17	21 38	0 44	18 49	4 12	18 50	0 55	18 25	1 53	3 7	0 41	18 40	1 43	15 52	16 3	16 16	15 48	4 22	7 22	2 11	
T 24	23 26	25 7	2 34	24 45	1 24	21 49	0 42	18 49	4 16	18 49	0 55	18 26	1 53	3 7	0 41	18 40	1 43	15 51	16 2	16 18	15 49	4 25	7 23	2 11	
F 25	23 25	21 58	1 30	24 45	1 30	22 0	0 39	18 49	4 20	18 48	0 55	18 28	1 53	3 7	0 41	18 40	1 43	15 50	16 2	16 19	15 50	4 28	7 24	2 11	
S 26	23 23	17 50	0 22	24 42	1 36	22 10	0 37	18 49	4 24	18 47	0 55	18 29	1 53	3 7	0 41	18 40	1 43	15 50	16 1	16 19	15 51	4 32	7 24	2 11	
S 27	23 22	13 2	0s45	24 37	1 41	22 19	0 35	18 50	4 29	18 47	0 55	18 30	1 54	3 8	0 41	18 40	1 43	15 49	16 1	16 19	15 52	4 35	7 24	2 11	
M28	23 19	7 49	1 49	24 29	1 45	22 28	0 32	18 51	4 33	18 46	0 54	18 32	1 54	3 8	0 41	18 39	1 42	15 48	16 0	16 19	15 53	4 38	7 25	2 11	
T 29	23 17	2 24	2 47	24 19	1 48	22 36	0 30	18 52	4 37	18 45	0 54	18 33	1 54	3 8	0 41	18 39	1 42	15 48	16 0	16 18	15 54	4 41	7 25	2 11	
W30	23n14	3s 3	3s38	24n 6	1n50	22n43	0s27	18s53	4s41	18s44	0n54	18n34	1s54	3s 8	0n41	18s39	1n42	15n47	15n59	16s18	15s55	4s44	7n26	2n11	

ASTRODIENST EPHEMERIS for the year 1971

geocentric

JULY 1971

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	18 33 35	8°31'58	11°11	19°543	22°1147	21°18	27°R27	1°1126	9°131	0°R45	27°11 8	15°R10	16°23	3°122	13°Y44	T 1	
F 2	18 37 32	9°29'09	23° 6	21°42	24° 0	21°25	27°M23	1°33	9°31	0°144	27° 8	15° 8	16°19	3°28	13°45	F 2	
S 3	18 41 28	10°26'21	5°M10	23°40	25°13	21°32	27°19	1°40	9°32	0°43	27° 9	15° 6	16°16	3°35	13°46	S 3	
S 4	18 45 25	11°23'32	17°27	25°35	26°26	21°37	27°15	1°46	9°33	0°42	27°10	15° 2	16°13	3°42	13°47	S 4	
M 5	18 49 21	12°20'43	0°1	27°28	27°39	21°43	27°11	1°53	9°34	0°41	27°11	14°57	16°10	3°49	13°47	M 5	
T 6	18 53 18	13°17'54	12°53	29°19	28°53	21°47	27° 8	1°59	9°35	0°40	27°12	14°52	16° 7	3°55	13°48	T 6	
W 7	18 57 14	14°15'05	26° 4	1°9	0°6	21°50	27° 5	2° 6	9°36	0°39	27°13	14°48	16° 4	4° 2	13°49	W 7	
T 8	19 1 11	15°12'16	9°34	2°56	1°19	21°53	27° 1	2°12	9°37	0°38	27°14	14°44	16° 0	4° 9	13°49	T 8	
F 9	19 5 8	16° 9'27	23°21	4°41	2°33	21°55	26°59	2°18	9°38	0°37	27°15	14°41	15°57	4°15	13°50	F 9	
S 10	19 9 4	17° 6'38	7°21	6°24	3°46	21°57	26°56	2°25	9°39	0°36	27°16	14°39	15°54	4°22	13°50	S 10	
S 11	19 13 1	18° 3'49	21°32	8° 5	4°59	21°R57	26°53	2°31	9°40	0°35	27°17	14°D39	15°51	4°29	13°50	S 11	
M12	19 16 57	19° 1'00	5°H49	9°44	6°13	21°57	26°51	2°37	9°42	0°34	27°18	14°40	15°48	4°35	13°51	M12	
T 13	19 20 54	19°58'12	20° 8	11°21	7°26	21°56	26°49	2°43	9°43	0°33	27°19	14°42	15°44	4°42	13°51	T 13	
W14	19 24 50	20°55'25	4°V27	12°57	8°40	21°55	26°46	2°49	9°44	0°32	27°20	14°43	15°41	4°49	13°51	W14	
T 15	19 28 47	21°52'38	18°41	14°30	9°53	21°52	26°45	2°55	9°46	0°31	27°21	14°R44	15°38	4°55	13°51	T 15	
F 16	19 32 43	22°49'51	2°B50	16° 1	11° 7	21°49	26°43	3° 1	9°47	0°30	27°22	14°43	15°35	5° 2	13°51	F 16	
S 17	19 36 40	23°47'06	16°51	17°30	12°20	21°45	26°41	3° 7	9°49	0°29	27°23	14°42	15°32	5° 9	13°52	S 17	
S 18	19 40 37	24°44'21	0°H42	18°56	13°34	21°40	26°40	3°13	9°50	0°28	27°25	14°40	15°29	5°15	13°R52	S 18	
M19	19 44 33	25°41'36	14°22	20°21	14°47	21°34	26°39	3°19	9°52	0°28	27°26	14°38	15°25	5°22	13°51	M19	
T 20	19 48 30	26°38'53	27°49	21°44	16° 1	21°28	26°38	3°24	9°53	0°27	27°27	14°35	15°22	5°29	13°51	T 20	
W21	19 52 26	27°36'10	11°E 2	23° 4	17°14	21°21	26°37	3°30	9°55	0°26	27°28	14°33	15°19	5°36	13°51	W21	
T 22	19 56 23	28°33'27	24° 0	24°23	18°28	21°13	26°37	3°36	9°57	0°26	27°30	14°31	15°16	5°42	13°51	T 22	
F 23	20 0 19	29°30'46	6°L43	25°39	19°42	21° 5	26°36	3°41	9°59	0°25	27°31	14°30	15°13	5°49	13°51	F 23	
S 24	20 4 16	0°L28'04	19°11	26°52	20°55	20°56	26°36	3°47	10° 1	0°24	27°33	14°D30	15°10	5°56	13°50	S 24	
S 25	20 8 12	1°25'23	1°H27	28° 4	22° 9	20°46	26°D36	3°52	10° 2	0°24	27°34	14°31	15° 6	6° 2	13°50	S 25	
M26	20 12 9	2°22'43	13°31	29°13	23°23	20°35	26°36	3°57	10° 4	0°23	27°35	14°32	15° 3	6° 9	13°50	M26	
T 27	20 16 6	3°20'03	25°27	0°H19	24°36	20°24	26°36	4° 2	10° 6	0°23	27°37	14°33	15° 0	6°16	13°49	T 27	
W28	20 20 2	4°17'23	7°L19	1°23	25°50	20°13	26°37	4° 8	10° 8	0°22	27°38	14°34	14°57	6°22	13°49	W28	
T 29	20 23 59	5°14'44	19°10	2°24	27° 4	20° 0	26°37	4°13	10°10	0°22	27°40	14°35	14°54	6°29	13°48	T 29	
F 30	20 27 55	6°12'06	1°L 5	3°22	28°18	19°48	26°38	4°18	10°12	0°21	27°41	14°R35	14°50	6°36	13°48	F 30	
S 31	20 31 52	7°L 9'28	13°M 8	4°H17	29°E32	19°35	26°M39	4°H23	10°15	0°21	27°H43	14°35	14°47	6°42	13°Y47	S 31	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	lat
T 1	23n10	8s23	4s19	23n51	1n52	22n50	0s25	18s54	4s46	18s43	0n54	18n36	1s54	3s 9	0n41	18s39	1n42	15n46
F 2	23 6	13 27	4 49	23 33	1 53	22 56	0 22	18 56	4 50	18 43	0 53	18 37	1 54	3 9	0 41	18 38	1 42	15 45
S 3	23 2	18 4	5 7	23 14	1 54	23 2	0 20	18 58	4 54	18 42	0 53	18 38	1 54	3 9	0 41	18 38	1 42	15 45
S 4	22 57	22 1	5 11	22 53	1 53	23 6	0 17	19 0	4 58	18 41	0 53	18 40	1 54	3 10	0 41	18 38	1 42	15 44
M 5	22 52	25 3	5 1	22 30	1 52	23 10	0 15	19 3	5 3	18 41	0 53	18 41	1 54	3 10	0 41	18 38	1 42	15 43
T 6	22 47	26 54	4 36	22 6	1 50	23 14	0 12	19 5	5 7	18 40	0 53	18 42	1 54	3 11	0 41	18 38	1 42	15 42
W 7	22 41	27 18	3 55	21 40	1 48	23 17	0 10	19 8	5 11	18 40	0 52	18 43	1 54	3 11	0 40	18 37	1 42	15 42
T 8	22 35	26 6	3 0	21 13	1 45	23 19	0 8	19 11	5 15	18 39	0 52	18 44	1 54	3 11	0 40	18 37	1 42	15 41
F 9	22 28	23 18	1 54	20 44	1 42	23 20	0 5	19 14	5 20	18 39	0 52	18 46	1 54	3 12	0 40	18 37	1 42	15 40
S 10	22 21	19 5	0 40	20 15	1 38	23 21	0 3	19 18	5 24	18 38	0 52	18 47	1 54	3 12	0 40	18 37	1 42	15 39
S 11	22 14	13 44	0n38	19 45	1 33	23 21	0 0	19 22	5 28	18 38	0 51	18 48	1 54	3 13	0 40	18 37	1 42	15 39
M12	22 6	7 37	1 54	19 13	1 28	23 20	0n 2	19 26	5 32	18 38	0 51	18 49	1 55	3 13	0 40	18 37	1 42	15 38
T 13	21 58	1 6	3 3	18 41	1 22	23 19	0 5	19 30	5 36	18 37	0 51	18 50	1 55	3 14	0 40	18 37	1 42	15 37
W14	21 49	5n27	4 0	18 9	1 16	23 17	0 7	19 34	5 40	18 37	0 51	18 51	1 55	3 15	0 40	18 36	1 42	15 36
T 15	21 40	11 41	4 43	17 35	1 9	23 14	0 10	19 39	5 44	18 37	0 50	18 52	1 55	3 15	0 40	18 36	1 42	15 35
F 16	21 31	17 17	5 8	17 2	1 2	23 11	0 12	19 44	5 48	18 37	0 50	18 53	1 55	3 16	0 40	18 36	1 42	15 34
S 17	21 21	21 54	5 14	16 27	0 54	23 7	0 15	19 49	5 52	18 37	0 50	18 54	1 55	3 16	0 40	18 36	1 42	15 34
S 18	21 11	25 14	5 3	15 53	0 46	23 2	0 17	19 54	5 56	18 37	0 50	18 55	1 55	3 17	0 40	18 36	1 42	15 33
M19	21 1	27 3	4 34	15 18	0 38	22 57	0 19	19 59	6 0	18 37	0 49	18 56	1 55	3 18	0 40	18 36	1 42	15 32
T 20	20 50	27 15	3 50	14 44	0 29	22 51	0 22	20 5	6 4	18 37	0 49	18 57	1 55	3 18	0 40	18 36	1 42	15 31
W21	20 39	25 53	2 54	14 9	0 20	22 44	0 24	20 11	6 7	18 37	0 49	18 58	1 55	3 19	0 40	18 36	1 41	15 30
T 22	20 27	23 8	1 51	13 34	0 11	22 36	0 26	20 16	6 11	18 37	0 49	18 59	1 56	3 20	0 40	18 36	1 41	15 29
F 23	20 15	19 18	0 43	12 59	0 1	22 28	0 29	20 22	6 14	18 37	0 49	19 0	1 56	3 21	0 40	18 35	1 41	15 28
S 24	20 3	14 40	0s26	12 25	0s 9	22 19	0 31	20 28	6 17	18 37	0 48	19 1	1 56	3 21	0 40	18 35	1 41	15 27
S 25	19 51	9 31	1 32	11 51	0 20	22 10	0 33	20 35	6 21	18 37	0 48	19 2	1 56	3 22	0 40	18 35	1 41	15 26
M26	19 38	4 7	2 34	11 17	0 30	22 0	0 35	20 41	6 24	18 37	0 48	19 3	1 56	3 23	0 40	18 35	1 41	15 25
T 27	19 25	1s22	3 28	10 43	0 41	21 49	0 37	20 47	6 27	18 38	0 48	19 4	1 56	3 24	0 40	18 35	1 41	15 25
W28	19 11	6 46	4 12	10 10	0 52	21 38	0 40	20 54	6 29	18 38	0 47	19 4	1 56	3 24	0 40	18 35	1 41	15 24
T 29	18 58	11 55	4 46	9 38	1 4	21 26	0 42	21 0	6 32	18 39	0 47	19 5	1 56	3 25	0 40	18 35	1 41	15 23
F 30	18 44	16 40	5 8	9 6	1 15	21 13	0 44	21 7	6 34	18 39	0 47	19 6	1 56	3 26	0 40	18 35	1 41	15 22
S 31	18n29	20s49	5s17	8n35	1s27	21n 0	0n46	21s13	6s37	18s39	0n47	19n 7	1s57	3s27	0n40	18s35	1n41	15n21

Julian Day Number = 2441133.5, Delta T = 41.68 sec

Ecliptic obliquity = 23°26'41", Nutation = 0°00'12", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 24°20'32", Lahiri = 23°27'32"

ASTRODIENST EPHEMERIS for the year 1971
geocentric

AUGUST 1971

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 35 48	8♌ 6'50	25♍25	5♍ 9	0♌45	19°R21	26♍41	4♍27	10♌17	0°R20	27♍45	14°R35	14♌44	6♌49	13°R46	S 1
M 2	20 39 45	9° 4'14	7♌59	5°58	1°59	19° 7	26°42	4°32	10°19	0°R20	27°46	14°34	14°41	6°56	13°R45	M 2
T 3	20 43 41	10° 1'38	20°53	6°44	3°13	18°53	26°44	4°37	10°21	0°20	27°48	14°34	14°38	7° 3	13°45	T 3
W 4	20 47 38	10°59'02	4♌11	7°26	4°27	18°38	26°45	4°41	10°24	0°19	27°50	14°33	14°35	7° 9	13°44	W 4
T 5	20 51 35	11°56'28	17°51	8° 4	5°41	18°23	26°47	4°46	10°26	0°19	27°51	14°33	14°31	7°16	13°43	T 5
F 6	20 55 31	12°53'54	1♌54	8°38	6°55	18° 8	26°49	4°50	10°28	0°19	27°53	14°33	14°28	7°23	13°42	F 6
S 7	20 59 28	13°51'21	16°17	9° 9	8° 9	17°52	26°52	4°55	10°31	0°19	27°55	14°D33	14°25	7°29	13°41	S 7
S 8	21 3 24	14°48'49	0♌52	9°35	9°23	17°36	26°54	4°59	10°33	0°19	27°56	14°R33	14°22	7°36	13°40	S 8
M 9	21 7 21	15°46'18	15°36	9°56	10°37	17°21	26°57	5° 3	10°36	0°18	27°58	14°33	14°19	7°43	13°39	M 9
T 10	21 11 17	16°43'48	0♌20	10°13	11°51	17° 5	27° 0	5° 7	10°38	0°18	28° 0	14°32	14°16	7°49	13°37	T 10
W11	21 15 14	17°41'20	14°59	10°25	13° 5	16°49	27° 3	5°11	10°41	0°18	28° 2	14°32	14°12	7°56	13°36	W11
T 12	21 19 10	18°38'53	29°27	10°32	14°19	16°33	27° 6	5°15	10°44	0°18	28° 4	14°32	14° 9	8° 3	13°35	T 12
F 13	21 23 7	19°36'28	13♌40	10°R33	15°33	16°17	27° 9	5°19	10°46	0°D18	28° 5	14°D32	14° 6	8°10	13°34	F 13
S 14	21 27 4	20°34'04	27°36	10°29	16°47	16° 1	27°13	5°23	10°49	0°18	28° 7	14°32	14° 3	8°16	13°32	S 14
S 15	21 31 0	21°31'42	11♍15	10°20	18° 1	15°46	27°16	5°26	10°52	0°18	28° 9	14°32	14° 0	8°23	13°31	S 15
M16	21 34 57	22°29'21	24°37	10° 5	19°15	15°30	27°20	5°30	10°55	0°18	28°11	14°33	13°56	8°30	13°30	M16
T 17	21 38 53	23°27'02	7♌42	9°45	20°29	15°15	27°24	5°33	10°57	0°19	28°13	14°33	13°53	8°36	13°28	T 17
W18	21 42 50	24°24'44	20°32	9°19	21°44	15° 0	27°28	5°37	11° 0	0°19	28°15	14°34	13°50	8°43	13°27	W18
T 19	21 46 46	25°22'28	3♌ 9	8°48	22°58	14°45	27°33	5°40	11° 3	0°19	28°17	14°35	13°47	8°50	13°25	T 19
F 20	21 50 43	26°20'13	15°35	8°11	24°12	14°31	27°37	5°43	11° 6	0°19	28°19	14°R35	13°44	8°56	13°23	F 20
S 21	21 54 40	27°17'59	27°49	7°30	25°26	14°17	27°42	5°46	11° 9	0°19	28°21	14°35	13°41	9° 3	13°22	S 21
S 22	21 58 36	28°15'47	9♍55	6°45	26°41	14° 4	27°47	5°49	11°12	0°20	28°23	14°34	13°37	9°10	13°20	S 22
M23	22 2 33	29°13'36	21°53	5°56	27°55	13°51	27°52	5°52	11°15	0°20	28°25	14°32	13°34	9°17	13°18	M23
T 24	22 6 29	0♍11'26	3♌46	5° 5	29° 9	13°39	27°57	5°55	11°18	0°20	28°27	14°30	13°31	9°23	13°17	T 24
W25	22 10 26	1° 9'18	15°37	4°12	0♍23	13°27	28° 2	5°58	11°21	0°21	28°29	14°27	13°28	9°30	13°15	W25
T 26	22 14 22	2° 7'11	27°27	3°17	1°38	13°16	28° 8	6° 0	11°24	0°21	28°31	14°25	13°25	9°37	13°13	T 26
F 27	22 18 19	3° 5'06	9♍22	2°23	2°52	13° 5	28°13	6° 3	11°27	0°22	28°33	14°22	13°21	9°43	13°11	F 27
S 28	22 22 15	4° 3'01	21°24	1°31	4° 7	12°55	28°19	6° 5	11°31	0°22	28°35	14°21	13°18	9°50	13° 9	S 28
S 29	22 26 12	5° 0'59	3♌37	0°40	5°21	12°46	28°25	6° 8	11°34	0°23	28°37	14°D20	13°15	9°57	13° 7	S 29
M30	22 30 8	5°58'57	16° 7	29♌54	6°35	12°37	28°31	6°10	11°37	0°23	28°39	14°21	13°12	10° 3	13° 5	M30
T 31	22 34 5	6♍56'57	28♌58	29♌12	7♍50	12°30	28♍37	6♍12	11♌40	0°R24	28♍41	14°22	13° 9	10♌10	13°V 3	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
S 1	18n15	24s 9	5s11	8n 5	1s39	20n46	0n48	21s20	6s39	18s40	0n46	19n 7	1s57	3s28	0n40	18s35
M 2	18 0	26 26	4 51	7 36	1 51	20 32	0 50	21 26	6 41	18 40	0 46	19 8	1 57	3 29	0 39	18 35
T 3	17 44	27 23	4 16	7 8	2 3	20 17	0 52	21 32	6 43	18 41	0 46	19 9	1 57	3 30	0 39	18 35
W 4	17 29	26 48	3 26	6 42	2 15	20 1	0 53	21 38	6 44	18 42	0 46	19 10	1 57	3 31	0 39	18 35
T 5	17 13	24 37	2 23	6 16	2 27	19 45	0 55	21 45	6 46	18 42	0 45	19 10	1 57	3 32	0 39	18 35
F 6	16 57	20 52	1 10	5 52	2 39	19 28	0 57	21 51	6 47	18 43	0 45	19 11	1 57	3 33	0 39	18 35
S 7	16 40	15 49	0n10	5 30	2 51	19 11	0 59	21 57	6 48	18 44	0 45	19 12	1 58	3 34	0 39	18 35
S 8	16 24	9 46	1 29	5 9	3 3	18 53	1 0	22 2	6 49	18 45	0 45	19 12	1 58	3 35	0 39	18 35
M 9	16 7	3 9	2 44	4 50	3 15	18 34	1 2	22 8	6 50	18 45	0 45	19 13	1 58	3 36	0 39	18 35
T 10	15 50	3n37	3 48	4 34	3 26	18 16	1 4	22 13	6 50	18 46	0 44	19 13	1 58	3 37	0 39	18 35
W11	15 32	10 9	4 36	4 19	3 37	17 56	1 5	22 19	6 50	18 47	0 44	19 14	1 58	3 38	0 39	18 35
T 12	15 14	16 3	5 6	4 7	3 47	17 36	1 7	22 24	6 51	18 48	0 44	19 15	1 58	3 39	0 39	18 35
F 13	14 56	20 59	5 17	3 57	3 57	17 16	1 8	22 28	6 50	18 49	0 44	19 15	1 58	3 40	0 39	18 35
S 14	14 38	24 38	5 9	3 50	4 7	16 55	1 9	22 33	6 50	18 50	0 43	19 16	1 59	3 41	0 39	18 35
S 15	14 20	26 48	4 43	3 45	4 15	16 33	1 11	22 37	6 50	18 51	0 43	19 16	1 59	3 42	0 39	18 35
M16	14 1	27 23	4 3	3 44	4 23	16 12	1 12	22 41	6 49	18 52	0 43	19 17	1 59	3 43	0 39	18 35
T 17	13 42	26 23	3 10	3 45	4 29	15 49	1 13	22 45	6 48	18 53	0 43	19 17	1 59	3 44	0 39	18 35
W18	13 23	24 0	2 9	3 50	4 35	15 26	1 14	22 49	6 47	18 55	0 42	19 17	1 59	3 46	0 39	18 36
T 19	13 4	20 29	1 3	3 58	4 39	15 3	1 16	22 52	6 46	18 56	0 42	19 18	1 59	3 47	0 39	18 36
F 20	12 44	16 5	0s 5	4 9	4 41	14 40	1 17	22 55	6 44	18 57	0 42	19 18	1 59	3 48	0 39	18 36
S 21	12 25	11 6	1 13	4 23	4 42	14 16	1 18	22 57	6 43	18 58	0 42	19 19	2 0	3 49	0 39	18 36
S 22	12 5	5 46	2 16	4 40	4 42	13 51	1 18	23 0	6 41	19 0	0 42	19 19	2 0	3 50	0 39	18 36
M23	11 45	0 17	3 12	5 0	4 39	13 27	1 19	23 2	6 39	19 1	0 41	19 19	2 0	3 51	0 39	18 36
T 24	11 24	5s 9	3 59	5 23	4 35	13 1	1 20	23 3	6 37	19 2	0 41	19 20	2 0	3 53	0 39	18 36
W25	11 4	10 23	4 36	5 48	4 28	12 36	1 21	23 5	6 34	19 4	0 41	19 20	2 0	3 54	0 39	18 36
T 26	10 43	15 15	5 1	6 15	4 20	12 10	1 22	23 6	6 32	19 5	0 41	19 20	2 0	3 55	0 39	18 37
F 27	10 23	19 34	5 14	6 44	4 10	11 44	1 22	23 6	6 29	19 7	0 41	19 21	2 1	3 56	0 39	18 37
S 28	10 2	23 8	5 13	7 14	3 58	11 17	1 23	23 6	6 26	19 8	0 40	19 21	2 1	3 58	0 39	18 37
S 29	9 40	25 45	4 57	7 44	3 45	10 51	1 23	23 6	6 24	19 10	0 40	19 21	2 1	3 59	0 39	18 37
M30	9 19	27 10	4 28	8 14	3 30	10 23	1 24	23 6	6 21	19 11	0 40	19 21	2 1	4 0	0 39	18 37
T 31	8n58	27s11	3s45	8n44	3s14	9n56	1n24	23s 5	6s17	19s13	0n40	19n21	2s 1	4s 1	0n39	18s37

Julian Day Number = 2441164.5, Delta T = 41.77 sec
Ecliptic obliquity = 23°26'41", Nutation = 0°00'13", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 24°20'36", Lahiri = 23°27'36"

ASTRODIENST EPHEMERIS for the year 1971
geocentric

SEPTEMBER 1971

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	22 38 2	7 ^h 54'58	12 ^h 12	28°R36	9 ^h 4	12°R22	28 ^h 44	6 ^h 14	11 ^h 44	0 ^h 24	28 ^h 44	14 ^h 23	13 ^h 6	10 ^h 17	13°R 1	W 1
T 2	22 41 58	8°53'00	25°53	28 ^h 6	10°19	12 ^h 16	28°50	6°16	11°47	0°25	28°46	14°25	13° 2	10°24	12°Y59	T 2
F 3	22 45 55	9°51'04	10 ^h 1	27°43	11°33	12°11	28°57	6°18	11°50	0°26	28°48	14°R26	12°59	10°30	12°57	F 3
S 4	22 49 51	10°49'10	24°33	27°28	12°47	12° 6	29° 4	6°19	11°54	0°26	28°50	14°25	12°56	10°37	12°55	S 4
S 5	22 53 48	11°47'17	9 ^h 25	27°D22	14° 2	12° 2	29°10	6°21	11°57	0°27	28°52	14°24	12°53	10°44	12°52	S 5
M 6	22 57 44	12°45'25	24°30	27°24	15°16	11°59	29°18	6°22	12° 0	0°28	28°54	14°21	12°50	10°50	12°50	M 6
T 7	23 1 41	13°43'36	9 ^h Y38	27°35	16°31	11°56	29°25	6°24	12° 4	0°29	28°57	14°17	12°47	10°57	12°48	T 7
W 8	23 5 37	14°41'48	24°39	27°55	17°45	11°54	29°32	6°25	12° 7	0°29	28°59	14°13	12°43	11° 4	12°46	W 8
T 9	23 9 34	15°40'02	9 ^h 26	28°23	19° 0	11°54	29°40	6°26	12°11	0°30	29° 1	14° 9	12°40	11°10	12°43	T 9
F 10	23 13 31	16°38'19	23°52	29° 0	20°14	11°D53	29°47	6°27	12°14	0°31	29° 3	14° 6	12°37	11°17	12°41	F 10
S 11	23 17 27	17°36'37	7 ^h II53	29°46	21°29	11°54	29°55	6°28	12°18	0°32	29° 5	14° 4	12°34	11°24	12°38	S 11
S 12	23 21 24	18°34'58	21°30	0 ^h 39	22°43	11°56	0 ^h 3	6°29	12°21	0°33	29° 8	14°D 4	12°31	11°31	12°36	S 12
M13	23 25 20	19°33'21	4 ^h 24	1°40	23°58	11°58	0°11	6°30	12°25	0°34	29°10	14° 5	12°27	11°37	12°34	M13
T14	23 29 17	20°31'46	17°36	2°48	25°13	12° 1	0°19	6°30	12°28	0°35	29°12	14° 6	12°24	11°44	12°31	T14
W15	23 33 13	21°30'13	0 ^h 12	4° 2	26°27	12° 5	0°27	6°31	12°32	0°36	29°14	14° 8	12°21	11°51	12°29	W15
T16	23 37 10	22°28'42	12°33	5°22	27°42	12°10	0°36	6°31	12°36	0°37	29°17	14°R 8	12°18	11°57	12°26	T16
F17	23 41 6	23°27'13	24°44	6°47	28°56	12°15	0°44	6°31	12°39	0°38	29°19	14° 8	12°15	12° 4	12°24	F17
S18	23 45 3	24°25'46	6 ^h 46	8°17	0 ^h 11	12°22	0°53	6°32	12°43	0°39	29°21	14° 5	12°12	12°11	12°21	S18
S19	23 49 0	25°24'21	18°43	9°51	1°26	12°29	1° 1	6°R32	12°47	0°41	29°23	14° 1	12° 8	12°17	12°19	S19
M20	23 52 56	26°22'58	0 ^h 26	11°29	2°40	12°37	1°10	6°32	12°50	0°42	29°26	13°55	12° 5	12°24	12°16	M20
T21	23 56 53	27°21'37	12°27	13° 9	3°55	12°45	1°19	6°32	12°54	0°43	29°28	13°47	12° 2	12°31	12°13	T21
W22	0 0 49	28°20'18	24°18	14°52	5°10	12°55	1°28	6°31	12°58	0°44	29°30	13°38	11°59	12°38	12°11	W22
T23	0 4 46	29°19'01	6 ^h 10	16°37	6°24	13° 5	1°38	6°31	13° 1	0°46	29°32	13°30	11°56	12°44	12° 8	T23
F24	0 8 42	0 ^h 17'45	18° 6	18°24	7°39	13°16	1°47	6°30	13° 5	0°47	29°35	13°22	11°53	12°51	12° 6	F24
S25	0 12 39	1°16'32	0 ^h 9	20°12	8°54	13°27	1°56	6°30	13° 9	0°48	29°37	13°16	11°49	12°58	12° 3	S25
S26	0 16 35	2°15'20	12°21	22° 0	10° 8	13°40	2° 6	6°29	13°12	0°50	29°39	13°11	11°46	13° 4	12° 0	S26
M27	0 20 32	3°14'10	24°48	23°49	11°23	13°53	2°16	6°28	13°16	0°51	29°41	13° 9	11°43	13°11	11°58	M27
T28	0 24 29	4°13'02	7 ^h 32	25°39	12°38	14° 6	2°25	6°27	13°20	0°52	29°44	13°D 9	11°40	13°18	11°55	T28
W29	0 28 25	5°11'55	20°39	27°28	13°53	14°21	2°35	6°26	13°24	0°54	29°46	13°10	11°37	13°24	11°52	W29
T30	0 32 22	6 ^h 10'50	4 ^h 12	29 ^h 18	15 ^h 7	14 ^h 36	2 ^h 45	6 ^h II25	13 ^h 27	0 ^h 55	29 ^h 48	13 ^h 11	11 ^h 33	13 ^h 21	11 ^h Y49	T30

Day	☉	☽		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	8n36	25s40	2s48	9n12	2s56	9n28	1n24	23s 4	6s14	19s14	0n39	19n22	2s 1	4s 3	0n39	18s38	1n39	14n50	15n39	16s31	16s53	8s 3	7n11	2n13			
T 2	8 14	22 37	1 40	9 40	2 38	9 1	1 25	23 3	6 11	19 16	0 39	19 22	2 2	4 4	0 39	18 38	1 39	14 49	15 39	16 31	16 54	8 6	7 10	2 13			
F 3	7 53	18 8	0 24	10 5	2 20	8 32	1 25	23 1	6 7	19 18	0 39	19 22	2 2	4 5	0 39	18 38	1 39	14 48	15 39	16 30	16 55	8 9	7 10	2 13			
S 4	7 31	12 28	0n55	10 28	2 1	8 4	1 25	22 59	6 4	19 19	0 39	19 22	2 2	4 7	0 39	18 38	1 39	14 47	15 39	16 31	16 56	8 12	7 9	2 13			
S 5	7 9	5 59	2 13	10 48	1 42	7 35	1 25	22 57	6 0	19 21	0 39	19 22	2 2	4 8	0 38	18 38	1 39	14 46	15 38	16 31	16 57	8 15	7 8	2 13			
M 6	6 46	0n54	3 22	11 5	1 23	7 7	1 25	22 54	5 56	19 23	0 38	19 22	2 2	4 9	0 38	18 39	1 39	14 45	15 38	16 32	16 58	8 18	7 7	2 13			
T 7	6 24	7 46	4 17	11 19	1 4	6 38	1 25	22 51	5 53	19 24	0 38	19 22	2 2	4 11	0 38	18 39	1 39	14 44	15 38	16 33	16 59	8 21	7 6	2 13			
W 8	6 2	14 7	4 54	11 29	0 46	6 8	1 25	22 48	5 49	19 26	0 38	19 22	2 2	4 12	0 38	18 39	1 39	14 43	15 38	16 34	17 0	8 24	7 5	2 13			
T 9	5 39	19 33	5 11	11 35	0 28	5 39	1 24	22 44	5 45	19 28	0 38	19 22	2 3	4 14	0 38	18 39	1 39	14 42	15 38	16 35	17 1	8 28	7 4	2 13			
F 10	5 17	23 42	5 8	11 38	0 12	5 9	1 24	22 41	5 41	19 30	0 38	19 22	2 3	4 15	0 38	18 40	1 39	14 41	15 38	16 36	17 2	8 31	7 3	2 13			
S 11	4 54	26 20	4 46	11 37	0n 4	4 40	1 24	22 37	5 37	19 32	0 38	19 22	2 3	4 16	0 38	18 40	1 38	14 40	15 38	16 37	17 2	8 34	7 2	2 13			
S 12	4 31	27 18	4 8	11 32	0 19	4 10	1 23	22 32	5 33	19 33	0 37	19 22	2 3	4 18	0 38	18 40	1 38	14 39	15 38	16 37	17 3	8 37	7 2	2 13			
M13	4 8	26 40	3 18	11 24	0 33	3 40	1 23	22 28	5 29	19 35	0 37	19 22	2 3	4 19	0 38	18 40	1 38	14 39	15 38	16 37	17 4	8 40	7 1	2 13			
T14	3 45	24 36	2 20	11 11	0 45	3 10	1 22	22 23	5 25	19 37	0 37	19 22	2 3	4 21	0 38	18 41	1 38	14 38	15 38	16 36	17 5	8 43	7 0	2 13			
W15	3 22	21 20	1 15	10 55	0 57	2 40	1 22	22 18	5 20	19 39	0 37	19 22	2 4	4 22	0 38	18 41	1 38	14 37	15 38	16 36	17 6	8 46	6 59	2 13			
T16	2 59	17 11	0 9	10 35	1 7	2 9	1 21	22 12	5 16	19 41	0 37	19 22	2 4	4 23	0 38	18 41	1 38	14 36	15 38	16 35	17 7	8 49	6 58	2 13			
F17	2 36	12 23	0s57	10 12	1 17	1 39	1 20	22 7	5 12	19 43	0 36	19 22	2 4	4 25	0 38	18 41	1 38	14 35	15 38	16 36	17 8	8 52	6 57	2 13			
S18	2 13	7 10	2 0	9 46	1 25	1 9	1 20	22 1	5 8	19 45	0 36	19 22	2 4	4 26	0 38	18 42	1 38	14 34	15 38	16 36	17 9	8 55	6 56	2 13			
S19	1 50	1 46	2 56	9 17	1 31	0 38	1 19	21 55	5 4	19 47	0 36	19 22	2 4	4 28	0 38	18 42	1 38	14 33	15 38	16 38	17 10	8 58	6 54	2 13			
M20	1 26	3s41	3 45	8 46	1 37	0 8	1 18	21 48	4 59	19 49	0 36	19 22	2 4	4 29	0 38	18 42	1 38	14 32	15 38	16 39	17 10	9 1	6 53	2 13			
T21	1 3	8 57	4 23	8 11	1 42	0s23	1 17	21 42	4 55	19 51	0 36	19 21	2 5	4 31	0 38	18 43	1 38	14 31	15 38	16 42	17 11	9 4	6 52	2 13			
W22	0 40	13 55	4 50	7 35	1 46	0 54	1 16	21 35	4 51	19 53	0 35	19 21	2 5	4 32	0 38	18 43	1 38	14 30	15 38	16 44	17 12	9 7	6 51	2 13			
T23	0 16	18 22	5 5	6 57	1 49	1 24	1 15	21 28	4 47	19 55	0 35	19 21	2 5	4 33	0 38	18 43	1 38	14 30	15 38	16 47	17 13	9 10	6 50	2 13			
F24	0s 7	22 7	5 6	6 17	1 50	1 55	1 13	21 21	4 42	19 57	0 35	19 21	2 5	4 35	0 38	18 43	1 38	14 29	15 38	16 49	17 14	9 13	6 49	2 13			
S25	0 30	24 59	4 54	5 36	1 51	2 25	1 12	21 13	4 38	19 59	0 35	19 20	2 5	4 36	0 38	18 44	1 38	14 28	15 38	16 51	17 15	9 16	6 48	2 13			
S26	0 54	26 43	4 29	4 53	1 52	2 56	1 11	21 6	4 34	20 1	0 35	19 20	2 5	4 38	0 38	18 44	1 38	14 27	15 38	16 52	17 16	9 19	6 47	2 13			
M27	1 17	27 11	3 50	4 9	1 51	3 26	1 10	20 58	4 30	20 3	0 35	19 20	2 6	4 39	0 38	18 44	1 38	14 26	15 38	16 52	17 17	9 22	6 46	2 13			
T28	1 41	26 13	3 0	3 25	1 50	3 57	1 8	20 50	4 25	20 5	0 34	19 20	2 6	4 41	0 38	18 45	1 38	14 25	15 38	16 52	17 17	9 25	6 45	2 13			
W29	2 4	23 48	1 58	2 39	1 48	4 27	1 7	20 42	4 21	20 7	0 34	19 19	2 6	4 42	0 38	18 45	1 38	14 25	15 38	16 52	17 18	9 28	6 44	2 13			
T30	2s27	19s59	0s48	1n54	1n46	4s57	1n 5	20s33	4s17	20s 9	0n34	19n19	2s 6	4s44	0n38	18s45	1n37	14n24	15n38	16s52	17s19	9s31	6n43	2n13			

ASTRODIENST EPHEMERIS for the year 1971

geocentric

OCTOBER 1971

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	0 36 18	7♂ 9'47	18♂12	1♂ 7	16♂22	14♂51	2♂55	6°R24	13♂31	0♂57	29♂50	13°R11	11♂30	13♂38	11°R47	F 1
S 2	0 40 15	8° 8'46	2♂41	2°55	17°37	15° 8	3° 5	6♂23	13°35	0°58	29°53	13♂ 9	11°27	13°45	11°Y44	S 2
S 3	0 44 11	9° 7'46	17°34	4°44	18°51	15°25	3°16	6°21	13°39	1° 0	29°55	13° 5	11°24	13°51	11°41	S 3
M 4	0 48 8	10° 6'48	2♂45	6°31	20° 6	15°42	3°26	6°20	13°43	1° 1	29°57	12°59	11°21	13°58	11°39	M 4
T 5	0 52 4	11° 5'52	18° 5	8°18	21°21	16° 0	3°36	6°18	13°46	1° 3	29°59	12°51	11°18	14° 5	11°36	T 5
W 6	0 56 1	12° 4'59	3♂22	10° 5	22°36	16°19	3°47	6°16	13°50	1° 5	0♂ 2	12°42	11°14	14°11	11°33	W 6
T 7	0 59 57	13° 4'08	18°25	11°51	23°50	16°38	3°57	6°14	13°54	1° 6	0° 4	12°34	11°11	14°18	11°30	T 7
F 8	1 3 54	14° 3'18	3♂ 6	13°36	25° 5	16°58	4° 8	6°12	13°58	1° 8	0° 6	12°26	11° 8	14°25	11°28	F 8
S 9	1 7 51	15° 2'32	17°18	15°20	26°20	17°18	4°19	6°10	14° 1	1° 9	0° 8	12°21	11° 5	14°32	11°25	S 9
S 10	1 11 47	16° 1'47	1♂ 2	17° 3	27°35	17°39	4°30	6° 8	14° 5	1°11	0°10	12°18	11° 2	14°38	11°22	S 10
M 11	1 15 44	17° 1'05	14°17	18°46	28°49	18° 0	4°41	6° 6	14° 9	1°13	0°13	12°D16	10°58	14°45	11°20	M 11
T 12	1 19 40	18° 0'26	27° 6	20°28	0♂ 4	18°22	4°52	6° 4	14°13	1°15	0°15	12°17	10°55	14°52	11°17	T 12
W 13	1 23 37	18°59'48	9♂36	22° 9	1°19	18°45	5° 3	6° 1	14°17	1°16	0°17	12°R17	10°52	14°58	11°14	W 13
T 14	1 27 33	19°59'13	21°49	23°50	2°34	19° 7	5°14	5°59	14°20	1°18	0°19	12°17	10°49	15° 5	11°12	T 14
F 15	1 31 30	20°58'40	3♂52	25°30	3°48	19°31	5°26	5°56	14°24	1°20	0°21	12°14	10°46	15°12	11° 9	F 15
S 16	1 35 27	21°58'09	15°47	27° 9	5° 3	19°54	5°37	5°53	14°28	1°22	0°24	12°10	10°43	15°19	11° 6	S 16
S 17	1 39 23	22°57'41	27°38	28°47	6°18	20°19	5°48	5°50	14°32	1°24	0°26	12° 2	10°39	15°25	11° 4	S 17
M 18	1 43 20	23°57'14	9♂29	0♂25	7°33	20°43	6° 0	5°47	14°35	1°26	0°28	11°51	10°36	15°32	11° 1	M 18
T 19	1 47 16	24°56'50	21°20	2° 2	8°47	21° 8	6°12	5°44	14°39	1°27	0°30	11°39	10°33	15°39	10°58	T 19
W 20	1 51 13	25°56'28	3♂13	3°39	10° 2	21°34	6°23	5°41	14°43	1°29	0°32	11°25	10°30	15°45	10°56	W 20
T 21	1 55 9	26°56'07	15°11	5°15	11°17	22° 0	6°35	5°38	14°47	1°31	0°34	11°11	10°27	15°52	10°53	T 21
F 22	1 59 6	27°55'49	27°13	6°50	12°32	22°26	6°47	5°35	14°50	1°33	0°36	10°58	10°24	15°59	10°51	F 22
S 23	2 3 2	28°55'33	9♂22	8°25	13°47	22°53	6°59	5°31	14°54	1°35	0°38	10°47	10°20	16° 5	10°48	S 23
S 24	2 6 59	29°55'18	21°39	9°59	15° 1	23°20	7°11	5°28	14°58	1°37	0°40	10°39	10°17	16°12	10°45	S 24
M 25	2 10 55	0♂55'06	4♂ 8	11°32	16°16	23°48	7°23	5°24	15° 1	1°39	0°42	10°34	10°14	16°19	10°43	M 25
T 26	2 14 52	1°54'55	16°52	13° 5	17°31	24°16	7°35	5°21	15° 5	1°41	0°44	10°32	10°11	16°26	10°40	T 26
W 27	2 18 49	2°54'45	29°54	14°38	18°46	24°44	7°47	5°17	15° 9	1°43	0°46	10°31	10° 8	16°32	10°38	W 27
T 28	2 22 45	3°54'38	13♂18	16°10	20° 0	25°12	7°59	5°13	15°12	1°45	0°48	10°31	10° 4	16°39	10°36	T 28
F 29	2 26 42	4°54'31	27° 6	17°41	21°15	25°41	8°12	5° 9	15°16	1°47	0°50	10°30	10° 1	16°46	10°33	F 29
S 30	2 30 38	5°54'27	11♂21	19°12	22°30	26°11	8°24	5° 5	15°20	1°49	0°52	10°28	9°58	16°52	10°31	S 30
S 31	2 34 35	6♂54'24	26♂ 0	20♂43	23♂45	26♂40	8♂36	5♂ 2	15♂23	1♂51	0♂54	10♂23	9♂55	16♂59	10♂28	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	2s51	14s57	0n27	1n 8	1n43	5s27	1n 4	20s24	4s13	20s11	0n34	19n19	2s 6	4s45	0n38	18s46	1n37	14n23	15n38	16s52	17s20	9s34	6n42	2n13	
S 2	3 14	8 56	1 43	0 21	1 39	5 57	1 2	20 16	4 9	20 14	0 34	19 18	2 6	4 47	0 38	18 46	1 37	14 22	15 39	16 52	17 21	9 37	6 40	2 12	
S 3	3 37	2 15	2 53	0s25	1 35	6 27	1 1	20 7	4 5	20 16	0 34	19 18	2 6	4 48	0 38	18 47	1 37	14 21	15 39	16 53	17 22	9 40	6 39	2 12	
M 4	4 0	4n39	3 53	1 12	1 31	6 57	0 59	19 58	4 1	20 18	0 33	19 17	2 7	4 50	0 38	18 47	1 37	14 21	15 39	16 55	17 23	9 43	6 38	2 12	
T 5	4 24	11 21	4 37	1 58	1 27	7 27	0 57	19 48	3 57	20 20	0 33	19 17	2 7	4 51	0 38	18 47	1 37	14 20	15 39	16 57	17 24	9 46	6 37	2 12	
W 6	4 47	17 20	5 0	2 45	1 22	7 56	0 55	19 39	3 53	20 22	0 33	19 17	2 7	4 52	0 38	18 48	1 37	14 19	15 39	17 0	17 24	9 49	6 36	2 12	
T 7	5 10	22 9	5 3	3 31	1 16	8 25	0 54	19 29	3 49	20 24	0 33	19 16	2 7	4 54	0 38	18 48	1 37	14 18	15 39	17 2	17 25	9 52	6 35	2 12	
F 8	5 33	25 26	4 45	4 17	1 11	8 55	0 52	19 19	3 45	20 26	0 33	19 16	2 7	4 55	0 38	18 48	1 37	14 18	15 39	17 5	17 26	9 55	6 34	2 12	
S 9	5 56	26 59	4 10	5 2	1 5	9 23	0 50	19 9	3 41	20 29	0 33	19 15	2 7	4 57	0 38	18 49	1 37	14 17	15 40	17 6	17 27	9 58	6 32	2 12	
S 10	6 18	26 48	3 21	5 47	0 59	9 52	0 48	18 59	3 37	20 31	0 33	19 15	2 7	4 58	0 38	18 49	1 37	14 16	15 40	17 7	17 28	10 1	6 31	2 12	
M11	6 41	25 3	2 23	6 32	0 53	10 21	0 46	18 49	3 33	20 33	0 32	19 14	2 7	5 0	0 38	18 50	1 37	14 16	15 40	17 7	17 29	10 4	6 30	2 12	
T 12	7 4	22 3	1 20	7 16	0 47	10 49	0 44	18 38	3 29	20 35	0 32	19 14	2 8	5 1	0 38	18 50	1 37	14 15	15 40	17 7	17 30	10 7	6 29	2 12	
W13	7 26	18 5	0 14	8 0	0 40	11 17	0 42	18 28	3 25	20 37	0 32	19 13	2 8	5 3	0 38	18 50	1 37	14 14	15 40	17 7	17 31	10 10	6 28	2 12	
T 14	7 49	13 26	0s11	8 43	0 34	11 45	0 39	18 17	3 22	20 39	0 32	19 13	2 8	5 4	0 38	18 51	1 37	14 14	15 40	17 7	17 31	10 13	6 27	2 12	
F 15	8 11	8 21	1 52	9 26	0 27	12 12	0 37	18 6	3 18	20 41	0 32	19 12	2 8	5 6	0 38	18 51	1 37	14 13	15 41	17 8	17 32	10 16	6 26	2 11	
S 16	8 34	3 2	2 48	10 8	0 21	12 39	0 35	17 55	3 14	20 44	0 32	19 11	2 8	5 7	0 38	18 52	1 37	14 12	15 41	17 9	17 33	10 19	6 25	2 11	
S 17	8 56	2s22	3 36	10 50	0 14	13 6	0 33	17 44	3 11	20 46	0 32	19 11	2 8	5 9	0 38	18 52	1 37	14 12	15 41	17 11	17 34	10 22	6 23	2 11	
M18	9 18	7 39	4 14	11 31	0 7	13 33	0 31	17 33	3 7	20 48	0 31	19 10	2 8	5 10	0 38	18 52	1 37	14 11	15 41	17 14	17 35	10 25	6 22	2 11	
T 19	9 40	12 40	4 42	12 11	0 0	13 59	0 28	17 21	3 4	20 50	0 31	19 10	2 8	5 11	0 38	18 53	1 37	14 10	15 42	17 18	17 36	10 28	6 21	2 11	
W20	10 1	17 14	4 57	12 50	0s 6	14 25	0 26	17 9	3 0	20 52	0 31	19 9	2 8	5 13	0 38	18 53	1 37	14 10	15 42	17 22	17 37	10 31	6 20	2 11	
T 21	10 23	21 9	4 59	13 29	0 13	14 51	0 24	16 58	2 57	20 54	0 31	19 8	2 9	5 14	0 38	18 54	1 37	14 9	15 42	17 25	17 37	10 34	6 19	2 11	
F 22	10 44	24 13	4 48	14 7	0 20	15 16	0 21	16 46	2 53	20 56	0 31	19 8	2 9	5 16	0 38	18 54	1 37	14 9	15 42	17 29	17 38	10 37	6 18	2 11	
S 23	11 6	26 13	4 24	14 44	0 27	15 41	0 19	16 34	2 50	20 59	0 31	19 7	2 9	5 17	0 38	18 54	1 37	14 8	15 43	17 32	17 39	10 40	6 17	2 11	
S 24	11 27	26 58	3 48	15 21	0 34	16 5	0 16	16 21	2 46	21 1	0 31	19 6	2 9	5 19	0 38	18 55	1 37	14 7	15 43	17 34	17 40	10 43	6 16	2 11	
M25	11 48	26 22	2 59	15 56	0 40	16 29	0 14	16 9	2 43	21 3	0 30	19 6	2 9	5 20	0 38	18 55	1 36	14 7	15 43	17 36	17 41	10 45	6 15	2 10	
T 26	12 9	24 23	2 1	16 31	0 47	16 53	0 11	15 57	2 40	21 5	0 30	19 5	2 9	5 21	0 38	18 56	1 36	14 6	15 44	17 36	17 42	10 48	6 13	2 10	
W27	12 29	21 5	0 56	17 5	0 54	17 16	0 9	15 44	2 36	21 7	0 30	19 4	2 9	5 23	0 38	18 56	1 36	14 6	15 44	17 36	17 43	10 51	6 12	2 10	
T 28	12 49	16 36	0n15	17 38	1 0	17 39	0 7	15 31	2 33	21 9	0 30	19 3	2 9	5 24	0 38	18 57	1 36	14 5	15 44	17 36	17 43	10 54	6 11	2 10	
F 29	13 10	11 8	1 26	18 11	1 7	18 1	0 4	15 19	2 30	21 11	0 30	19 3	2 9	5 26	0 38	18 57	1 36	14 5	15 44	17 37	17 44	10 57	6 10	2 10	
S 30	13 30	4 55	2 35	18 42	1 13	18 23	0 1	15 6	2 27	21 13	0 30	19 2	2 9	5 27	0 38	18 57	1 36	14 4	15 45	17 37	17 45	11 0	6 9	2 10	
S 31	13s49	1n42	3n35	19s12	1s19	18s44	0s 1	14s53	2s24	21s15	0n30	19n 1	2s 9	5s28	0n38	18s58	1n36	14n 4	15n45	17s39	17s46	11s 3	6n 8	2n10	

ASTRODIENST EPHEMERIS for the year 1971
geocentric

NOVEMBER 1971

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	2 38 31	7♎54°23	11♏ 1	22♎13	24♎59	27♎10	8♏49	4°R57	15♎27	1♏54	0♎56	10°R15	9♎52	17♎ 6	10°R26	M 1
T 2	2 42 28	8°54'23	26°14	23°42	26°14	27°40	9° 1	4♎53	15°30	1°56	0°58	10° 5	9°49	17°13	10°Y24	T 2
W 3	2 46 24	9°54'26	11♎30	25°11	27°29	28°11	9°14	4°49	15°34	1°58	1° 0	9°53	9°45	17°19	10°21	W 3
T 4	2 50 21	10°54'30	26°36	26°39	28°44	28°41	9°26	4°45	15°38	2° 0	1° 2	9°42	9°42	17°26	10°19	T 4
F 5	2 54 18	11°54'36	11♎24	28° 7	29°58	29°12	9°39	4°41	15°41	2° 2	1° 3	9°32	9°39	17°33	10°17	F 5
S 6	2 58 14	12°54'45	25°46	29°35	1♏13	29°44	9°52	4°36	15°45	2° 4	1° 5	9°24	9°36	17°39	10°15	S 6
S 7	3 2 11	13°54'55	9♎37	1♏ 1	2°28	0♏15	10° 5	4°32	15°48	2° 6	1° 7	9°19	9°33	17°46	10°13	S 7
M 8	3 6 7	14°55'07	22°59	2°28	3°43	0°47	10°17	4°27	15°51	2° 8	1° 9	9°16	9°30	17°53	10°10	M 8
T 9	3 10 4	15°55'22	5♎54	3°53	4°57	1°19	10°30	4°23	15°55	2°11	1°11	9°D16	9°26	18° 0	10° 8	T 9
W10	3 14 0	16°55'38	18°25	5°18	6°12	1°51	10°43	4°18	15°58	2°13	1°12	9°R16	9°23	18° 6	10° 6	W10
T 11	3 17 57	17°55'57	0♎38	6°42	7°27	2°24	10°56	4°14	16° 2	2°15	1°14	9°15	9°20	18°13	10° 4	T 11
F 12	3 21 53	18°56'17	12°39	8° 5	8°42	2°56	11° 9	4° 9	16° 5	2°17	1°16	9°13	9°17	18°20	10° 2	F 12
S 13	3 25 50	19°56'39	24°32	9°28	9°56	3°29	11°22	4° 5	16° 8	2°19	1°17	9° 8	9°14	18°26	10° 0	S 13
S 14	3 29 47	20°57'03	6♎22	10°49	11°11	4° 2	11°35	4° 0	16°12	2°22	1°19	9° 1	9°10	18°33	9°58	S 14
M15	3 33 43	21°57'29	18°12	12°10	12°26	4°36	11°48	3°55	16°15	2°24	1°21	8°51	9° 7	18°40	9°57	M15
T 16	3 37 40	22°57'57	0♎ 5	13°29	13°41	5° 9	12° 1	3°50	16°18	2°26	1°22	8°38	9° 4	18°47	9°55	T 16
W17	3 41 36	23°58'27	12° 4	14°47	14°55	5°43	12°15	3°45	16°21	2°28	1°24	8°24	9° 1	18°53	9°53	W17
T 18	3 45 33	24°58'58	24°10	16° 3	16°10	6°17	12°28	3°41	16°24	2°31	1°25	8°10	8°58	19° 0	9°51	T 18
F 19	3 49 29	25°59'31	6♏23	17°18	17°25	6°51	12°41	3°36	16°28	2°33	1°27	7°57	8°55	19° 7	9°50	F 19
S 20	3 53 26	27° 0'05	18°45	18°30	18°39	7°26	12°54	3°31	16°31	2°35	1°28	7°46	8°51	19°13	9°48	S 20
S 21	3 57 22	28° 0'41	1♎15	19°41	19°54	8° 0	13° 8	3°26	16°34	2°37	1°30	7°38	8°48	19°20	9°46	S 21
M22	4 1 19	29° 1'18	13°56	20°49	21° 9	8°35	13°21	3°21	16°37	2°40	1°31	7°32	8°45	19°27	9°45	M22
T 23	4 5 16	0♏156	26°49	21°54	22°24	9°10	13°34	3°16	16°40	2°42	1°33	7°30	8°42	19°34	9°43	T 23
W24	4 9 12	1° 2'36	9♎56	22°56	23°38	9°45	13°48	3°11	16°43	2°44	1°34	7°D29	8°39	19°40	9°42	W24
T 25	4 13 9	2° 3'17	23°19	23°54	24°53	10°20	14° 1	3° 6	16°46	2°46	1°35	7°30	8°36	19°47	9°40	T 25
F 26	4 17 5	3° 3'58	7♏ 0	24°48	26° 8	10°56	14°14	3° 1	16°49	2°49	1°37	7°R30	8°32	19°54	9°39	F 26
S 27	4 21 2	4° 4'41	21° 2	25°38	27°22	11°31	14°28	2°57	16°52	2°51	1°38	7°29	8°29	20° 0	9°38	S 27
S 28	4 24 58	5° 5'24	5♏23	26°22	28°37	12° 7	14°41	2°52	16°55	2°53	1°39	7°25	8°26	20° 7	9°36	S 28
M29	4 28 55	6° 6'09	20° 2	27° 0	29°52	12°43	14°55	2°47	16°57	2°55	1°40	7°19	8°23	20°14	9°35	M29
T 30	4 32 51	7♏ 6'55	4♎53	27♏31	1♎ 6	13♏19	15♏ 8	2♎42	17♎ 0	2♏58	1♎42	7♎11	8♎20	20♎21	9♏34	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
M 1	14s 9	8n23	4n22	19s42	1s25	19s 5	0s 4	14s39	2s21	21s17	0n30	19n 0	2s 9	5s30	0n38	18s58	1n36	14n 4	15n45	17s41	17s47	11s 6	6n 7	2n10	
T 2	14 28	14 39	4 51	20 10	1 31	19 25	0 6	14 26	2 17	21 19	0 29	19 0	2 9	5 31	0 38	18 59	1 36	14 3	15 46	17 43	17 48	11 9	6 6	2 9	
W 3	14 47	20 2	5 0	20 38	1 37	19 45	0 9	14 13	2 14	21 21	0 29	18 59	2 9	5 33	0 38	18 59	1 36	14 3	15 46	17 47	17 49	11 12	6 5	2 9	
T 4	15 6	24 3	4 47	21 4	1 42	20 4	0 11	13 59	2 11	21 23	0 29	18 58	2 10	5 34	0 38	19 0	1 36	14 2	15 47	17 50	17 49	11 15	6 4	2 9	
F 5	15 25	26 22	4 15	21 30	1 48	20 22	0 14	13 46	2 9	21 25	0 29	18 57	2 10	5 35	0 38	19 0	1 36	14 2	15 47	17 52	17 50	11 17	6 3	2 9	
S 6	15 43	26 50	3 28	21 54	1 53	20 41	0 16	13 32	2 6	21 27	0 29	18 56	2 10	5 37	0 38	19 1	1 36	14 2	15 47	17 54	17 51	11 20	6 2	2 9	
S 7	16 1	25 35	2 30	22 18	1 58	20 58	0 19	13 18	2 3	21 29	0 29	18 56	2 10	5 38	0 38	19 1	1 36	14 1	15 48	17 56	17 52	11 23	6 1	2 9	
M 8	16 19	22 53	1 25	22 40	2 3	21 15	0 21	13 4	2 0	21 31	0 29	18 55	2 10	5 39	0 38	19 1	1 36	14 1	15 48	17 56	17 53	11 26	6 0	2 9	
T 9	16 36	19 5	0 18	23 1	2 7	21 31	0 24	12 50	1 57	21 33	0 29	18 54	2 10	5 41	0 38	19 2	1 36	14 0	15 48	17 57	17 54	11 29	5 59	2 9	
W10	16 54	14 33	0s48	23 21	2 12	21 47	0 27	12 36	1 54	21 35	0 29	18 53	2 10	5 42	0 38	19 2	1 36	14 0	15 49	17 57	17 55	11 32	5 58	2 8	
T 11	17 11	9 32	1 51	23 40	2 16	22 2	0 29	12 22	1 52	21 37	0 28	18 52	2 10	5 43	0 38	19 3	1 36	14 0	15 49	17 57	17 55	11 35	5 57	2 8	
F 12	17 27	4 15	2 47	23 57	2 19	22 17	0 32	12 7	1 49	21 39	0 28	18 51	2 10	5 44	0 38	19 3	1 36	14 0	15 50	17 57	17 56	11 38	5 56	2 8	
S 13	17 44	1s 7	3 35	24 14	2 23	22 31	0 34	11 53	1 46	21 41	0 28	18 51	2 10	5 46	0 38	19 4	1 36	13 59	15 50	17 58	17 57	11 41	5 55	2 8	
S 14	18 0	6 24	4 14	24 29	2 26	22 44	0 37	11 38	1 44	21 43	0 28	18 50	2 10	5 47	0 38	19 4	1 36	13 59	15 50	18 0	17 58	11 43	5 55	2 8	
M15	18 16	11 28	4 41	24 42	2 28	22 56	0 39	11 24	1 41	21 45	0 28	18 49	2 10	5 48	0 38	19 5	1 36	13 59	15 51	18 3	17 59	11 46	5 54	2 8	
T 16	18 31	16 8	4 57	24 55	2 31	23 8	0 42	11 9	1 38	21 47	0 28	18 48	2 10	5 49	0 38	19 5	1 36	13 59	15 51	18 6	18 0	11 49	5 53	2 7	
W17	18 46	20 12	5 0	25 6	2 32	23 19	0 44	10 54	1 36	21 48	0 28	18 47	2 10	5 51	0 38	19 5	1 36	13 58	15 52	18 10	18 0	11 52	5 52	2 7	
T 18	19 1	23 29	4 49	25 16	2 34	23 30	0 46	10 39	1 33	21 50	0 28	18 46	2 10	5 52	0 38	19 6	1 36	13 58	15 52	18 14	18 1	11 55	5 51	2 7	
F 19	19 15	25 43	4 25	25 24	2 34	23 40	0 49	10 24	1 31	21 52	0 28	18 45	2 10	5 53	0 38	19 6	1 36	13 58	15 53	18 17	18 2	11 58	5 50	2 7	
S 20	19 30	26 45	3 48	25 31	2 35	23 49	0 51	10 9	1 28	21 54	0 27	18 44	2 10	5 54	0 38	19 7	1 36	13 58	15 53	18 20	18 3	12 1	5 50	2 7	
S 21	19 43	26 26	3 0	25 36	2 34	23 57	0 54	9 54	1 26	21 56	0 27	18 44	2 9	5 55	0 38	19 7	1 36	13 58	15 54	18 22	18 4	12 3	5 49	2 7	
M22	19 57	24 44	2 2	25 40	2 33	24 5	0 56	9 39	1 24	21 57	0 27	18 43	2 9	5 56	0 38	19 8	1 36	13 58	15 54	18 23	18 5	12 6	5 48	2 7	
T 23	20 10	21 43	0 56	25 43	2 31	24 12	0 58	9 23	1 21	21 59	0 27	18 42	2 9	5 58	0 38	19 8	1 36	13 57	15 55	18 24	18 5	12 9	5 47	2 6	
W24	20 22	17 33	0n13	25 44	2 29	24 18	1 0	9 8	1 19	22 1	0 27	18 41	2 9	5 59	0 38	19 9	1 36	13 57	15 55	18 24	18 6	12 12	5 47	2 6	
T 25	20 35	12 26	1 23	25 43	2 25	24 23	1 3	8 53	1 17	22 3	0 27	18 40	2 9	6 0	0 38	19 9	1 36	13 57	15 56	18 24	18 7	12 15	5 46	2 6	
F 26	20 47	6 37	2 30	25 41	2 21	24 28	1 5	8 37	1 14	22 4	0 27	18 39	2 9	6 1	0 38	19 9	1 36	13 57	15 56	18 24	18 8	12 18	5 45	2 6	
S 27	20 58	0 20	3 30	25 38	2 16	24 32	1 7	8 21	1 12	22 6	0 27	18 38	2 9	6 2	0 38	19 10	1 36	13 57	15 56	18 24	18 9	12 20	5 45	2 6	
S 28	21 9	6n 5	4 18	25 33	2 9	24 35	1 9	8 6	1 10	22 7	0 27	18 38	2 9	6 3	0 39	19 10	1 36	13 57	15 57	18 25	18 10	12 23	5 44	2 6	
M29	21 20	12 19	4 50	25 26	2 2	24 38	1 11	7 50	1 8	22 9	0 27	18 37	2 9	6 4	0 39	19 11	1 36	13 57	15 57	18 27	18 10	12 26	5 43	2 5	
T 30	21s30	17n55	5n 4	25s18	1s53	24s40	1s13	7s34	1s 6	22s11	0n26	18n36	2s 9	6s 5	0n39	19s11	1n36	13ns7	15n58	18s29	18s11	12s29	5n43	2n 5	

ASTRODIENST EPHEMERIS for the year 1971
geocentric

DECEMBER 1971

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Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
W 1	4 36 48	8° 7' 42"	19° 8' 49"	27° 57' 54"	2° 28' 21"	13° 55' 55"	15° 22' 22"	2° 18' 37"	17° 11' 3"	3° 37' 0"	1° 43' 43"	7° 18' 2"	8° 16' 16"	20° 27' 27"	9° 33' 33"	W 1
T 2	4 40 45	9° 8' 30"	4° 11' 41"	28° 10' 10"	3° 36' 36"	14° 31' 31"	15° 35' 35"	2° 11' 32"	17° 6' 6"	3° 2' 2"	1° 44' 44"	6° 52' 52"	8° 13' 13"	20° 34' 34"	9° 32' 32"	T 2
F 3	4 44 41	10° 9' 19"	19° 20' 20"	28° 16' 16"	4° 50' 50"	15° 7' 7"	15° 49' 49"	2° 27' 27"	17° 8' 8"	3° 4' 4"	1° 45' 45"	6° 44' 44"	8° 10' 10"	20° 41' 41"	9° 31' 31"	F 3
S 4	4 48 38	11° 10' 09"	3° 38' 38"	28° 11' 11"	6° 5' 5"	15° 44' 44"	16° 2' 2"	2° 22' 22"	17° 11' 11"	3° 7' 7"	1° 46' 46"	6° 37' 37"	8° 7' 7"	20° 47' 47"	9° 30' 30"	S 4
S 5	4 52 34	12° 11' 01"	17° 31' 31"	27° 57' 57"	7° 19' 19"	16° 20' 20"	16° 16' 16"	2° 18' 18"	17° 13' 13"	3° 9' 9"	1° 47' 47"	6° 33' 33"	8° 4' 4"	20° 54' 54"	9° 29' 29"	S 5
M 6	4 56 31	13° 11' 54"	0° 57' 57"	27° 31' 31"	8° 34' 34"	16° 57' 57"	16° 30' 30"	2° 13' 13"	17° 16' 16"	3° 11' 11"	1° 48' 48"	6° 32' 32"	8° 1' 1"	21° 1' 1"	9° 28' 28"	M 6
T 7	5 0 27	14° 12' 48"	13° 57' 57"	26° 54' 54"	9° 48' 48"	17° 34' 34"	16° 43' 43"	2° 8' 8"	17° 18' 18"	3° 13' 13"	1° 49' 49"	6° 32' 32"	7° 57' 57"	21° 8' 8"	9° 27' 27"	T 7
W 8	5 4 24	15° 13' 43"	26° 33' 33"	26° 6' 6"	11° 3' 3"	18° 11' 11"	16° 57' 57"	2° 3' 3"	17° 21' 21"	3° 16' 16"	1° 50' 50"	6° 33' 33"	7° 54' 54"	21° 14' 14"	9° 26' 26"	W 8
T 9	5 8 21	16° 14' 40"	8° 51' 51"	25° 7' 7"	12° 18' 18"	18° 48' 48"	17° 10' 10"	1° 59' 59"	17° 23' 23"	3° 18' 18"	1° 51' 51"	6° 34' 34"	7° 51' 51"	21° 21' 21"	9° 26' 26"	T 9
F 10	5 12 17	17° 15' 37"	20° 54' 54"	23° 59' 59"	13° 32' 32"	19° 25' 25"	17° 24' 24"	1° 54' 54"	17° 26' 26"	3° 20' 20"	1° 52' 52"	6° 34' 34"	7° 48' 48"	21° 28' 28"	9° 25' 25"	F 10
S 11	5 16 14	18° 16' 36"	2° 49' 49"	22° 44' 44"	14° 47' 47"	20° 2' 2"	17° 37' 37"	1° 49' 49"	17° 28' 28"	3° 22' 22"	1° 53' 53"	6° 33' 33"	7° 45' 45"	21° 35' 35"	9° 24' 24"	S 11
S 12	5 20 10	19° 17' 36"	14° 39' 39"	21° 24' 24"	16° 1' 1"	20° 39' 39"	17° 51' 51"	1° 45' 45"	17° 30' 30"	3° 24' 24"	1° 54' 54"	6° 29' 29"	7° 42' 42"	21° 41' 41"	9° 24' 24"	S 12
M13	5 24 7	20° 18' 37"	26° 31' 31"	20° 1' 1"	17° 16' 16"	21° 17' 17"	18° 5' 5"	1° 40' 40"	17° 32' 32"	3° 27' 27"	1° 54' 54"	6° 24' 24"	7° 38' 38"	21° 48' 48"	9° 23' 23"	M13
T 14	5 28 3	21° 19' 40"	8° 11' 41"	18° 38' 38"	18° 30' 30"	21° 54' 54"	18° 18' 18"	1° 36' 36"	17° 35' 35"	3° 29' 29"	1° 55' 55"	6° 16' 16"	7° 35' 35"	21° 55' 55"	9° 23' 23"	T 14
W15	5 32 0	22° 20' 43"	20° 31' 31"	17° 19' 19"	19° 45' 45"	22° 32' 32"	18° 32' 32"	1° 31' 31"	17° 37' 37"	3° 31' 31"	1° 56' 56"	6° 8' 8"	7° 32' 32"	22° 1' 1"	9° 23' 23"	W15
T 16	5 35 56	23° 21' 47"	2° 46' 46"	16° 5' 5"	20° 59' 59"	23° 10' 10"	18° 45' 45"	1° 27' 27"	17° 39' 39"	3° 33' 33"	1° 57' 57"	5° 59' 59"	7° 29' 29"	22° 8' 8"	9° 22' 22"	T 16
F 17	5 39 53	24° 22' 52"	15° 11' 11"	14° 59' 59"	22° 13' 13"	23° 47' 47"	18° 59' 59"	1° 22' 22"	17° 41' 41"	3° 35' 35"	1° 57' 57"	5° 51' 51"	7° 26' 26"	22° 15' 15"	9° 22' 22"	F 17
S 18	5 43 50	25° 23' 58"	27° 49' 49"	14° 2' 2"	23° 28' 28"	24° 25' 25"	19° 13' 13"	1° 18' 18"	17° 43' 43"	3° 37' 37"	1° 58' 58"	5° 45' 45"	7° 22' 22"	22° 22' 22"	9° 22' 22"	S 18
S 19	5 47 46	26° 25' 04"	10° 38' 38"	13° 15' 15"	24° 42' 42"	25° 3' 3"	19° 26' 26"	1° 14' 14"	17° 45' 45"	3° 40' 40"	1° 58' 58"	5° 40' 40"	7° 19' 19"	22° 28' 28"	9° 22' 22"	S 19
M20	5 51 43	27° 26' 11"	23° 40' 40"	12° 40' 40"	25° 57' 57"	25° 41' 41"	19° 40' 40"	1° 10' 10"	17° 47' 47"	3° 42' 42"	1° 59' 59"	5° 37' 37"	7° 16' 16"	22° 35' 35"	9° 21' 21"	M20
T 21	5 55 39	28° 27' 18"	6° 53' 53"	12° 15' 15"	27° 11' 11"	26° 19' 19"	19° 53' 53"	1° 6' 6"	17° 49' 49"	3° 44' 44"	1° 59' 59"	5° 37' 37"	7° 13' 13"	22° 42' 42"	9° 21' 21"	T 21
W22	5 59 36	29° 28' 25"	20° 18' 18"	12° 1' 1"	28° 25' 25"	26° 58' 58"	20° 7' 7"	1° 2' 2"	17° 50' 50"	3° 46' 46"	2° 0' 0"	5° 37' 37"	7° 10' 10"	22° 48' 48"	9° 21' 21"	W22
T 23	6 3 32	0° 29' 29"	3° 54' 54"	11° 11' 11"	29° 40' 40"	27° 36' 36"	20° 20' 20"	0° 58' 58"	17° 52' 52"	3° 48' 48"	2° 0' 0"	5° 39' 39"	7° 7' 7"	22° 55' 55"	9° 21' 21"	T 23
F 24	6 7 29	1° 30' 41"	17° 41' 41"	12° 4' 4"	0° 55' 55"	28° 14' 14"	20° 34' 34"	0° 54' 54"	17° 54' 54"	3° 50' 50"	2° 1' 1"	5° 40' 40"	7° 3' 3"	23° 2' 2"	9° 22' 22"	F 24
S 25	6 11 25	2° 31' 49"	1° 40' 40"	12° 19' 19"	2° 8' 8"	28° 53' 53"	20° 47' 47"	0° 50' 50"	17° 55' 55"	3° 52' 52"	2° 1' 1"	5° 41' 41"	7° 0' 0"	23° 9' 9"	9° 22' 22"	S 25
S 26	6 15 22	3° 32' 57"	15° 50' 50"	12° 41' 41"	3° 23' 23"	29° 31' 31"	21° 1' 1"	0° 46' 46"	17° 57' 57"	3° 54' 54"	2° 2' 2"	5° 41' 41"	6° 57' 57"	23° 15' 15"	9° 22' 22"	S 26
M27	6 19 19	4° 34' 05"	0° 8' 8"	13° 12' 12"	4° 37' 37"	0° 10' 10"	21° 14' 14"	0° 43' 43"	17° 59' 59"	3° 56' 56"	2° 2' 2"	5° 38' 38"	6° 54' 54"	23° 22' 22"	9° 22' 22"	M27
T 28	6 23 15	5° 35' 13"	14° 34' 34"	13° 48' 48"	5° 51' 51"	0° 48' 48"	21° 28' 28"	0° 39' 39"	18° 0' 0"	3° 58' 58"	2° 2' 2"	5° 35' 35"	6° 51' 51"	23° 29' 29"	9° 23' 23"	T 28
W29	6 27 12	6° 36' 21"	29° 1' 1"	14° 31' 31"	7° 5' 5"	1° 27' 27"	21° 41' 41"	0° 35' 35"	18° 1' 1"	4° 0' 0"	2° 2' 2"	5° 31' 31"	6° 48' 48"	23° 35' 35"	9° 23' 23"	W29
T 30	6 31 8	7° 37' 29"	13° 11' 11"	15° 19' 19"	8° 19' 19"	2° 5' 5"	21° 54' 54"	0° 32' 32"	18° 3' 3"	4° 2' 2"	2° 3' 3"	5° 26' 26"	6° 44' 44"	23° 42' 42"	9° 23' 23"	T 30
F 31	6 35 5	8° 38' 37"	27° 11' 11"	16° 11' 11"	9° 33' 33"	2° 44' 44"	22° 8' 8"	0° 11' 11"	18° 4' 4"	4° 4' 4"	2° 3' 3"	5° 22' 22"	6° 41' 41"	23° 49' 49"	9° 24' 24"	F 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	lat
W 1	21s40	22n27	4n56	25s 9	1s43	24s41	1s15	7s18	1s 3	22s12	0n26	18n35	2s 9	6s 6	0n39	19s12	1n36	13n57	15n59	18s31	18s12	12s32	5n42	2n 5
T 2	21 50	25 29	4 29	24 57	1 32	24 41	1 17	7 2	1 1	22 14	0 26	18 34	2 9	6 7	0 39	19 12	1 36	13 57	15 59	18 34	18 13	12 34	5 41	2 5
F 3	21 59	26 45	3 45	24 45	1 19	24 40	1 19	6 46	0 59	22 15	0 26	18 33	2 9	6 8	0 39	19 12	1 36	13 57	16 0	18 36	18 14	12 37	5 41	2 5
S 4	22 7	26 10	2 47	24 30	1 4	24 39	1 21	6 30	0 57	22 17	0 26	18 32	2 8	6 9	0 39	19 13	1 36	13 57	16 0	18 37	18 14	12 40	5 40	2 5
S 5	22 15	23 57	1 40	24 14	0 49	24 37	1 23	6 14	0 55	22 18	0 26	18 32	2 8	6 10	0 39	19 13	1 36	13 57	16 1	18 38	18 15	12 43	5 40	2 4
M 6	22 23	20 26	0 30	23 57	0 32	24 34	1 24	5 58	0 53	22 20	0 26	18 31	2 8	6 11	0 39	19 14	1 36	13 57	16 1	18 39	18 16	12 46	5 39	2 4
T 7	22 31	16 1	0s40	23 38	0 14	24 31	1 26	5 42	0 51	22 21	0 26	18 30	2 8	6 12	0 39	19 14	1 36	13 57	16 2	18 39	18 17	12 48	5 39	2 4
W 8	22 38	11 1	1 46	23 17	0n 6	24 27	1 28	5 26	0 49	22 23	0 26	18 29	2 8	6 13	0 39	19 15	1 36	13 57	16 2	18 38	18 18	12 51	5 38	2 4
T 9	22 44	5 42	2 45	22 56	0 26	24 22	1 29	5 10	0 47	22 24	0 26	18 28	2 8	6 14	0 39	19 15	1 36	13 58	16 3	18 38	18 19	12 54	5 38	2 4
F 10	22 50	0 18	3 36	22 33	0 46	24 16	1 31	4 53	0 45	22 25	0 26	18 28	2 8	6 15	0 39	19 15	1 36	13 58	16 3	18 38	18 19	12 57	5 37	2 4
S 11	22 56	5s 2	4 16	22 9	1 6	24 9	1 32	4 37	0 44	22 27	0 25	18 27	2 8	6 16	0 39	19 16	1 36	13 58	16 4	18 38	18 20	12 59	5 37	2 3
S 12	23 1	10 10	4 46	21 44	1 26	24 2	1 34	4 21	0 42	22 28	0 25	18 26	2 7	6 16	0 39	19 16	1 36	13 58	16 4	18 39	18 21	13 2	5 37	2 3
M13	23 5	14 56	5 3	21 20	1 44	23 54	1 35	4 4	0 40	22 29	0 25	18 25	2 7	6 17	0 39	19 17	1 36	13 58	16 5	18 41	18 22	13 5	5 36	2 3
T 14	23 10	19 10	5 8	20 57	2 1	23 45	1 36	3 48	0 38	22 31	0 25	18 25	2 7	6 18	0 39	19 17	1 36	13 58	16 5	18 43	18 23	13 8	5 36	2 3
W15	23 13	22 40	4 58	20 35	2 16	23 36	1 38	3 31	0 36	22 32	0 25	18 24	2 7	6 19	0 39	19 17	1 36	13 59	16 6	18 45	18 23	13 11	5 36	2 3
T 16	23 17	25 13	4 35	20 15	2 29	23 26	1 39	3 15	0 35	22 33	0 25	18 23	2 7	6 20	0 39	19 18	1 36	13 59	16 7	18 47	18 24	13 13	5 35	2 2
F 17	23 20	26 35	3 59	19 58	2 39	23 15	1 40	2 58	0 33	22 34	0 25	18 22	2 7	6 20	0 39	19 18	1 36	13 59	16 7	18 49	18 25	13 16	5 35	2 2
S 18	23 22	26 36	3 10	19 43	2 47	23 4	1 41	2 42	0 31	22 36	0 25	18 22	2 6	6 21	0 39	19 19	1 36	13 59	16 8	18 50	18 26	13 19	5 35	2 2
S 19	23 24	25 12	2 11	19 32	2 53	22 52	1 42	2 25	0 29	22 37	0 25	18 21	2 6	6 22	0 39	19 19	1 36	14 0	16 8	18 51	18 27	13 22	5 35	2 2
M20	23 25	22 26	1 5	19 24	2 56	22 39	1 43	2 8	0 28	22 38	0 25	18 20	2 6	6 23	0 39	19 19	1 36	14 0	16 9	18 52	18 28	13 24	5 34	2 2
T 21	23 26	18 27	0n 7	19 20	2 58	22 25	1 44	1 52	0 26	22 39	0 25	18 20	2 6	6 23	0 39	19 20	1 36	14 0	16 9	18 52	18 28	13 27	5 34	2 2
W22	23 27	13 28	1 19	19 18	2 58	22 11	1 44	1 35	0 25	22 40	0 25	18 19	2 6	6 24	0 39	19 20	1 36	14 1	16 10	18 52	18 29	13 30	5 34	2 1
T 23	23 27	7 47	2 28	19 19	2 56	21 56	1 45	1 18	0 23	22 41	0 25	18 19	2 5	6 25	0 39	19 20	1 36	14 1	16 11	18 52	18 30	13 32	5 34	2 1
F 24	23 26	1 39	3 29	19 23	2 53	21 41	1 46	1 2	0 21	22 42	0 24	18 18	2 5	6 25	0 39	19 21	1 36	14 1	16 11	18 51	18 31	13 35	5 34	2 1
S 25	23 25	4n38	4 19	19 30	2 48	21 25	1 46	0 45	0 20	22 43	0 24	18 17	2 5	6 26	0 39	19 21	1 36	14 2	16 12	18 51	18 32	13 38	5 34	2 1
S 26	23 24	10 45	4 54	19 38	2 43	21 8	1 46	0 28	0 18	22 44	0 24	18 17	2 5	6 26	0 39	19 21	1 36	14 2	16 12	18 51	18 32	13 41	5 34	2 1
M27	23 22	16 22	5 11	19 47	2 37	20 51	1 47	0 12	0 17	22 45	0 24	18 16	2 5	6 27	0 39	19 22	1 36	14 2	16 13	18 52	18 33	13 43	5 34	2 1
T 28	23 20	21 7	5 9	19 58	2 30	20 33	1 47	0n 5	0 15	22 46	0 24	18 16	2 4	6 27	0 39	19 22	1 36	14 3	16 13	18 53	18 34	13 46	5 34	2 0
W29	23 17	24 36	4 47	20 11	2 23	20 14	1 47	0 22	0 14	22 47	0 24	18 15	2 4	6 28	0 39	19 23	1 36	14 3	16 14	18 54	18 35	13 49	5 34	2 0
T 30	23 13	26 30	4 7	20 23	2 25	19 55	1 47	0 38	0 12	22 48	0 24	18 15	2 4	6 28	0 39	19 23	1 36	14 4	16 15	18 55	18 36	13 51	5 34	2 0
F 31	23s10	26n37	3n12	20s37	2n 7	19s35	1s48	0n55	0s11	22s49	0n24	18n14	2s 4	6s29	0n39	19s23	1n36	14n 4	16n15	18s56	18s36	13s54	5n34	2n 0