



Astrodienst Ephemeris Tables for the year 2280

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 2280

geocentric

JANUARY 2280

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	6 40 36	9°53'54	9°42	12°R51	20°31	24°36	15°24	3°49	10°R17	22°40	15°40	19°R14	19°36	16°15	26°R11	T 1
F 2	6 44 33	10°55'03	24° 8	11°30	21°18	25°23	15°37	3°55	10°II15	22°40	15°42	19°33	19°33	16°15	26°R 9	F 2
S 3	6 48 30	11°56'13	8°53	10° 8	22°33	26° 9	15°50	4° 1	10°13	22°41	15°44	19°12	19°30	16°21	26° 7	S 3
S 4	6 52 26	12°57'22	23°50	8°48	23°48	26°56	16° 2	4° 7	10°11	22°42	15°45	19°D12	19°27	16°28	26° 5	S 4
M 5	6 56 23	13°58'32	8°51	7°31	25° 4	27°43	16°15	4°13	10° 9	22°43	15°47	19°13	19°24	16°35	26° 3	M 5
T 6	7 0 19	14°59'42	23°47	6°21	26°19	28°30	16°28	4°19	10° 7	22°43	15°48	19°13	19°21	16°41	26° 1	T 6
W 7	7 4 16	16° 0'52	8°31	5°19	27°34	29°16	16°40	4°25	10° 5	22°44	15°50	19°13	19°17	16°48	25°59	W 7
T 8	7 8 12	17° 2'01	22°58	4°27	28°49	0°3	16°53	4°31	10° 3	22°44	15°52	19°14	19°14	16°55	25°57	T 8
F 9	7 12 9	18° 3'10	7°4	3°44	0°3	0°50	17° 5	4°37	10° 1	22°45	15°53	19°14	19°11	17° 1	25°56	F 9
S 10	7 16 5	19° 4'19	20°48	3°11	1°20	1°37	17°18	4°43	9°59	22°45	15°55	19°14	19° 8	17° 8	25°54	S 10
S 11	7 20 2	20° 5'27	4°11	2°49	2°35	2°24	17°30	4°48	9°57	22°46	15°57	19°14	19° 5	17°15	25°52	S 11
M12	7 23 59	21° 6'35	17°14	2°36	3°50	3°11	17°42	4°54	9°56	22°46	15°58	19°14	19° 1	17°21	25°51	M12
T 13	7 27 55	22° 7'43	29°59	2°D33	5° 5	3°58	17°55	5° 0	9°54	22°47	16° 0	19°14	18°58	17°28	25°49	T 13
W14	7 31 52	23° 8'50	12°II30	2°39	6°21	4°45	18° 7	5° 5	9°52	22°47	16° 2	19°15	18°55	17°35	25°48	W14
T 15	7 35 48	24° 9'57	24°49	2°52	7°36	5°32	18°19	5°11	9°51	22°47	16° 3	19°15	18°52	17°41	25°47	T 15
F 16	7 39 45	25°11'04	6°58	3°13	8°51	6°19	18°31	5°16	9°49	22°48	16° 5	19°15	18°49	17°48	25°46	F 16
S 17	7 43 41	26°12'10	18°58	3°41	10° 6	7° 6	18°43	5°22	9°48	22°48	16° 7	19°R16	18°46	17°55	25°44	S 17
S 18	7 47 38	27°13'16	0°53	4°15	11°22	7°53	18°55	5°27	9°46	22°48	16° 9	19°15	18°42	18° 1	25°43	S 18
M19	7 51 34	28°14'22	12°44	4°54	12°37	8°40	19° 7	5°32	9°45	22°48	16°10	19°15	18°39	18° 8	25°42	M19
T 20	7 55 31	29°15'27	24°33	5°39	13°52	9°27	19°19	5°37	9°43	22°49	16°12	19°14	18°36	18°15	25°41	T 20
W21	7 59 28	0°16'32	6°II22	6°27	15° 7	10°14	19°31	5°42	9°42	22°49	16°14	19°12	18°33	18°21	25°40	W21
T 22	8 3 24	1°17'36	18°14	7°20	16°23	11° 1	19°42	5°47	9°41	22°49	16°16	19°10	18°30	18°28	25°39	T 22
F 23	8 7 21	2°18'40	0°13	8°16	17°38	11°48	19°54	5°52	9°39	22°49	16°18	19° 8	18°27	18°35	25°39	F 23
S 24	8 11 17	3°19'44	12°20	9°16	18°53	12°36	20° 5	5°57	9°38	22°R49	16°19	19° 7	18°23	18°41	25°38	S 24
S 25	8 15 14	4°20'47	24°42	10°19	20° 8	13°23	20°17	6° 2	9°37	22°49	16°21	19° 6	18°20	18°48	25°37	S 25
M26	8 19 10	5°21'50	7°II21	11°24	21°24	14°10	20°28	6° 7	9°36	22°49	16°23	19°D 6	18°17	18°55	25°37	M26
T 27	8 23 7	6°22'53	20°21	12°31	22°39	14°57	20°40	6°12	9°35	22°49	16°25	19° 6	18°14	19° 1	25°36	T 27
W28	8 27 3	7°23'56	3°47	13°41	23°54	15°45	20°51	6°16	9°34	22°49	16°27	19° 7	18°11	19° 8	25°36	W28
T 29	8 31 0	8°24'58	17°39	14°52	25° 9	16°32	21° 2	6°21	9°33	22°49	16°28	19° 9	18° 7	19°15	25°35	T 29
F 30	8 34 57	9°26'00	1°58	16° 6	26°25	17°19	21°13	6°25	9°32	22°48	16°30	19°10	18° 4	19°21	25°35	F 30
S 31	8 38 53	10°27'01	16°34	17°32	27°34	18°3	21°24	6°30	9°II31	22°48	16°32	19°R10	18°2	19°12	25°35	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	23s 2	18s32	3n22	20s40	2n 7	22s20	0n42	22s13	1s 4	22s 1	0n35	19s 1	1n54	21n54	0s 3	T 1
F 2	22 57	21 2	2 15	20 31	2 24	22 27	0 40	22 5	1 4	22 2	0 35	19 2	1 54	21 54	0 3	F 2
S 3	22 52	22 9	0 57	20 23	2 38	22 34	0 37	21 56	1 4	22 4	0 35	19 3	1 54	21 54	0 3	S 3
S 4	22 46	21 44	0s26	20 17	2 50	22 41	0 35	21 47	1 4	22 5	0 35	19 4	1 54	21 53	0 3	S 4
M 5	22 40	19 44	1 47	20 12	2 59	22 46	0 32	21 38	1 4	22 6	0 35	19 5	1 54	21 53	0 3	M 5
T 6	22 34	16 25	3 1	20 9	3 7	22 51	0 30	21 29	1 5	22 8	0 35	19 6	1 54	21 53	0 3	T 6
W 7	22 27	12 5	4 1	20 7	3 11	22 55	0 27	21 19	1 5	22 9	0 35	19 7	1 54	21 53	0 3	W 7
T 8	22 19	7 9	4 45	20 6	3 13	22 59	0 25	21 10	1 5	22 10	0 35	19 8	1 54	21 52	0 3	T 8
F 9	22 11	1 58	5 11	20 8	3 13	23 2	0 22	21 0	1 5	22 12	0 35	19 9	1 54	21 52	0 3	F 9
S 10	22 3	3n12	5 18	20 10	3 12	23 4	0 20	20 49	1 5	22 13	0 35	19 10	1 54	21 52	0 3	S 10
S 11	21 54	8 4	5 7	20 14	3 8	23 5	0 17	20 39	1 5	22 14	0 35	19 11	1 55	21 52	0 3	S 11
M12	21 45	12 27	4 41	20 19	3 3	23 6	0 15	20 28	1 5	22 15	0 35	19 12	1 55	21 51	0 3	M12
T 13	21 35	16 11	4 1	20 25	2 57	23 6	0 12	20 17	1 5	22 16	0 35	19 13	1 55	21 51	0 3	T 13
W14	21 25	19 7	3 11	20 32	2 50	23 6	0 9	20 6	1 5	22 17	0 35	19 14	1 55	21 51	0 3	W14
T 15	21 15	21 6	2 12	20 40	2 43	23 4	0 7	19 55	1 5	22 18	0 35	19 15	1 55	21 51	0 3	T 15
F 16	21 4	22 5	1 8	20 48	2 34	23 2	0 4	19 43	1 5	22 20	0 35	19 16	1 55	21 50	0 3	F 16
S 17	20 53	22 2	0 2	20 56	2 25	22 59	0 2	19 31	1 5	22 21	0 35	19 16	1 55	21 50	0 3	S 17
S 18	20 41	20 58	1n 4	21 4	2 16	22 56	0s 1	19 19	1 5	22 22	0 35	19 17	1 55	21 50	0 3	S 18
M19	20 29	18 59	2 7	21 12	2 7	22 51	0 3	19 7	1 5	22 23	0 35	19 18	1 55	21 50	0 3	M19
T 20	20 16	16 12	3 4	21 20	1 57	22 47	0 6	18 55	1 5	22 24	0 35	19 19	1 55	21 50	0 3	T 20
W21	20 4	12 46	3 53	21 28	1 47	22 41	0 8	18 42	1 5	22 24	0 35	19 20	1 56	21 49	0 3	W21
T 22	19 50	8 49	4 32	21 35	1 37	22 35	0 11	18 29	1 5	22 25	0 35	19 20	1 56	21 49	0 3	T 22
F 23	19 37	4 30	5 0	21 41	1 28	22 28	0 13	18 16	1 5	22 26	0 35	19 21	1 56	21 49	0 3	F 23
S 24	19 23	0s 2	5 14	21 47	1 18	22 20	0 16	18 3	1 5	22 27	0 35	19 22	1 56	21 49	0 3	S 24
S 25	19 9	4 40	5 15	21 52	1 8	22 12	0 18	17 49	1 5	22 28	0 35	19 23	1 56	21 49	0 3	S 25
M26	18 54	9 12	5 1	21 57	0 58	22 2	0 20	17 36	1 5	22 29	0 35	19 23	1 56	21 49	0 3	M26
T 27	18 39	13 27	4 31	22 0	0 49	21 53	0 23	17 22	1 5	22 30	0 35	19 24	1 56	21 48	0 3	T 27
W28	18 24	17 11	3 45	22 3	0 39	21 42	0 25	17 8	1 5	22 30	0 35	19 25	1 56	21 48	0 3	W28
T 29	18 8	20 5	2 46	22 4	0 30	21 31	0 28	16 54	1 5	22 31	0 35	19 25	1 56	21 48	0 3	T 29
F 30	17 52	21 50	1 34	22 5	0 21	21 20	0 30	16 39	1 5	22 32	0 35	19 26	1 57	21 48	0 3	F 30
S 31	17s36	22s 8	0n14	22s 4	0n12	21s 7	0s32	16s25	1s 5	22s33	0n35	19s27	1n57	21n48	0s 3	S 31

Julian Day Number = 2553812.5, Delta T = 263.88 sec
 Ecliptic obliquity = 23°24'07, Nutation = - 0°00'16, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 28°39'14, Lahiri = 27°46'14

ASTRODIENST EPHEMERIS for the year 2280 geocentric

FEBRUARY 2280

00:00 UT

Day	Sid.t	☉	☽	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	Day
S 1	8 42 50	11°28'01	1°45	18°37	28°55	18°54	21°35	6°34	9°R30	22°R48	16°34	19°R10	17°58	19°Ω35	25°R34	S 1
M 2	8 46 46	12°29'00	16°59	19°55	0°11	19°41	21°46	6°38	9°II29	22°48	16°36	19°8	17°55	19°41	25°R34	M 2
T 3	8 50 43	13°29'59	2°13	21°15	1°26	20°29	21°56	6°42	9°29	22°47	16°38	19°6	17°52	19°48	25°D34	T 3
W 4	8 54 39	14°30'56	17°19	22°35	2°41	21°16	22°7	6°46	9°28	22°47	16°40	19°2	17°48	19°55	25°34	W 4
T 5	8 58 36	15°31'53	2°Y 6	23°57	3°56	22°3	22°18	6°50	9°27	22°47	16°41	18°58	17°45	20°1	25°34	T 5
F 6	9 2 32	16°32'47	16°28	25°20	5°12	22°51	22°28	6°54	9°27	22°46	16°43	18°55	17°42	20°8	25°34	F 6
S 7	9 6 29	17°33'41	0°R23	26°44	6°27	23°38	22°38	6°58	9°26	22°46	16°45	18°53	17°39	20°15	25°35	S 7
S 8	9 10 26	18°34'34	13°50	28°8	7°42	24°26	22°48	7°2	9°26	22°45	16°47	18°D51	17°36	20°21	25°35	S 8
M 9	9 14 22	19°35'25	26°52	29°34	8°57	25°13	22°59	7°5	9°25	22°45	16°49	18°51	17°33	20°28	25°35	M 9
T 10	9 18 19	20°36'14	9°II32	1°1	10°12	26°1	23°9	7°9	9°25	22°44	16°51	18°53	17°29	20°35	25°36	T 10
W 11	9 22 15	21°37'02	21°53	2°29	11°28	26°48	23°19	7°12	9°25	22°44	16°52	18°54	17°26	20°41	25°36	W 11
T 12	9 26 12	22°37'49	4°1	3°57	12°43	27°35	23°28	7°16	9°24	22°43	16°54	18°56	17°23	20°48	25°37	T 12
F 13	9 30 8	23°38'35	15°59	5°27	13°58	28°23	23°38	7°19	9°24	22°42	16°56	18°R57	17°20	20°55	25°37	F 13
S 14	9 34 5	24°39'19	27°51	6°57	15°13	29°10	23°48	7°22	9°24	22°42	16°58	18°57	17°17	21°1	25°38	S 14
S 15	9 38 1	25°40'01	9°Ω40	8°28	16°28	29°58	23°57	7°25	9°24	22°41	17°0	18°55	17°13	21°8	25°39	S 15
M 16	9 41 58	26°40'43	21°29	10°0	17°44	0°K45	24°7	7°29	9°24	22°40	17°2	18°50	17°10	21°15	25°40	M 16
T 17	9 45 55	27°41'22	3°II19	11°33	18°59	1°33	24°16	7°31	9°D24	22°40	17°3	18°45	17°7	21°21	25°40	T 17
W 18	9 49 51	28°42'01	15°13	13°6	20°14	2°20	24°25	7°34	9°24	22°39	17°5	18°37	17°4	21°28	25°41	W 18
T 19	9 53 48	29°42'38	27°11	14°41	21°29	3°8	24°34	7°37	9°24	22°38	17°7	18°29	17°1	21°35	25°42	T 19
F 20	9 57 44	0°K43'14	9°Ω16	16°16	22°44	3°55	24°43	7°40	9°24	22°37	17°9	18°21	16°58	21°41	25°44	F 20
S 21	10 1 41	1°43'48	21°30	17°52	23°59	4°42	24°52	7°42	9°24	22°36	17°11	18°14	16°54	21°48	25°45	S 21
S 22	10 5 37	2°44'21	3°M56	19°30	25°14	5°30	25°0	7°45	9°24	22°35	17°12	18°8	16°51	21°55	25°46	S 22
M 23	10 9 34	3°44'54	16°35	21°8	26°30	6°17	25°9	7°47	9°25	22°34	17°14	18°5	16°48	22°1	25°47	M 23
T 24	10 13 30	4°45'24	29°31	22°46	27°45	7°5	25°17	7°49	9°25	22°33	17°16	18°D 3	16°45	22°8	25°48	T 24
W 25	10 17 27	5°45'54	12°R47	24°26	29°0	7°52	25°26	7°52	9°26	22°32	17°18	18°3	16°42	22°15	25°50	W 25
T 26	10 21 24	6°46'23	26°27	26°7	0°K15	8°40	25°34	7°54	9°26	22°31	17°19	18°4	16°38	22°21	25°51	T 26
F 27	10 25 20	7°46'50	10°Z31	27°49	1°30	9°27	25°42	7°56	9°27	22°30	17°21	18°5	16°35	22°28	25°53	F 27
S 28	10 29 17	8°47'16	25°0	29°31	2°45	10°14	25°50	7°57	9°27	22°29	17°23	18°R 5	16°32	22°35	25°55	S 28
S 29	10 33 13	9°K47'40	9°Ω51	1°K15	4°K 0	11°K 2	25°R57	7°R59	9°II28	22°Ω28	17°Ω25	18°8 3	16°829	22°Ω41	25°R56	S 29

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑	♒	♓	♈		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	17s19	20s51	1 s 9	22s 3	0n 4	20s54	0s34	16s10	1 s 5	22s33	0n35	19s27	1n57	21n48	0 s 3	7s21	1n37	22s 7	6s35	22n 2	22n12	17n29	15n34
M 2	17 2	18 4	2 27	22 0	0s 5	20 41	0 37	15 55	1 5	22 34	0 35	19 28	1 57	21 48	0 3	7 21	1 37	22 7	6 35	22 2	22 12	17 28	15 34
T 3	16 45	14 1	3 35	21 56	0 13	20 27	0 39	15 40	1 5	22 35	0 35	19 28	1 57	21 48	0 3	7 21	1 37	22 6	6 35	22 3	22 13	17 27	15 34
W 4	16 27	9 7	4 28	21 52	0 21	20 12	0 41	15 25	1 5	22 35	0 35	19 29	1 57	21 47	0 3	7 21	1 37	22 6	6 35	22 3	22 13	17 25	15 34
T5	16 9	3 46	5 1	21 45	0 29	19 56	0 43	15 9	1 5	22 36	0 35	19 29	1 57	21 47	0 3	7 21	1 37	22 5	6 35	22 4	22 14	17 24	15 34
F 6	15 51	1n38	5 14	21 38	0 36	19 40	0 45	14 54	1 5	22 37	0 35	19 30	1 58	21 47	0 3	7 20	1 37	22 5	6 36	22 4	22 14	17 22	15 34
S 7	15 33	6 47	5 8	21 30	0 44	19 24	0 47	14 38	1 5	22 37	0 35	19 30	1 58	21 47	0 3	7 20	1 37	22 4	6 36	22 5	22 14	17 21	15 35
S 8	15 14	11 26	4 45	21 20	0 51	19 7	0 49	14 22	1 5	22 38	0 35	19 31	1 58	21 47	0 3	7 20	1 37	22 4	6 36	22 5	22 15	17 19	15 35
M 9	14 55	15 24	4 8	21 9	0 57	18 49	0 51	14 6	1 4	22 38	0 35	19 31	1 58	21 47	0 3	7 20	1 37	22 3	6 36	22 5	22 15	17 18	15 35
T10	14 36	18 33	3 19	20 56	1 4	18 31	0 53	13 50	1 4	22 39	0 35	19 32	1 58	21 47	0 3	7 19	1 37	22 3	6 36	22 4	22 16	17 17	15 35
W11	14 17	20 47	2 23	20 43	1 10	18 12	0 55	13 34	1 4	22 39	0 35	19 32	1 58	21 47	0 3	7 19	1 37	22 2	6 36	22 4	22 16	17 15	15 36
T12	13 57	22 0	0 121	20 28	1 16	17 53	0 57	13 18	1 4	22 40	0 35	19 33	1 58	21 47	0 3	7 19	1 37	22 2	6 36	22 4	22 16	17 14	15 36
F13	13 37	22 11	0 16	20 12	1 22	17 33	0 59	13 1	1 4	22 40	0 35	19 33	1 58	21 47	0 3	7 19	1 37	22 1	6 36	22 4	22 17	17 12	15 36
S14	13 17	21 21	0n48	19 55	1 27	17 12	1 0	12 44	1 4	22 41	0 35	19 33	1 59	21 47	0 3	7 18	1 37	22 1	6 36	22 4	22 17	17 11	15 36
S15	12 57	19 35	1 51	19 36	1 32	16 52	1 2	12 28	1 4	22 41	0 35	19 34	1 59	21 47	0 3	7 18	1 38	22 0	6 36	22 4	22 18	17 9	15 37
M16	12 36	16 58	2 48	19 16	1 37	16 30	1 4	12 11	1 3	22 42	0 35	19 34	1 59	21 47	0 3	7 18	1 38	22 0	6 36	22 5	22 18	17 8	15 37
T17	12 15	13 39	3 38	18 55	1 42	16 9	1 5	11 54	1 3	22 42	0 35	19 34	1 59	21 47	0 3	7 17	1 38	21 59	6 36	22 6	22 18	17 6	15 37
W18	11 54	9 47	4 19	18 33	1 46	15 46	1 7	11 36	1 3	22 42	0 35	19 35	1 59	21 47	0 3	7 17	1 38	21 59	6 37	22 7	22 19	17 5	15 38
T19	11 33	5 31	4 48	18 9	1 50	15 24	1 8	11 19	1 3	22 43	0 35	19 35	1 59	21 47	0 3	7 17	1 38	21 58	6 37	22 8	22 19	17 3	15 38
F20	11 12	1 0	5 5	17 44	1 53	15 1	1 10	11 2	1 3	22 43	0 35	19 35	2 0	21 47	0 3	7 16	1 38	21 58	6 37	22 9	22 20	17 2	15 39
S21	10 51	3s36	5 8	17 18	1 56	14 37	1 11	10 44	1 2	22 44	0 35	19 36	2 0	21 47	0 2	7 16	1 38	21 57	6 37	22 10	22 20	17 0	15 39
S22	10 29	8 8	4 57	16 50	1 59	14 13	1 12	10 27	1 2	22 44	0 35	19 36	2 0	21 47	0 2	7 16	1 38	21 57	6 37	22 11	22 20	16 59	15 39
M23	10 7	12 25	4 32	16 21	2 2	13 49	1 14	10 9	1 2	22 44	0 35	19 36	2 0	21 47	0 2	7 15	1 38	21 57	6 37	22 11	22 21	16 57	15 40
T24	9 45	16 14	3 52	15 51	2 4	13 25	1 15	9 51	1 2	22 44	0 35	19 36	2 0	21 47	0 2	7 15	1 38	21 56	6 37	22 11	22 21	16 56	15 40
W25	9 23	19 20	2 59	15 19	2 5	13 0	1 16	9 33	1 2	22 45	0 35	19 36	2 0	21 47	0 2	7 14	1 38	21 56	6 37	22 11	22 22	16 54	15 41
T26	9 1	21 27	1 54	14 47	2 7	12 34	1 17	9 16	1 1	22 45	0 35	19 37	2 0	21 47	0 2	7 14	1 38	21 55	6 38	22 11	22 22	16 53	15 41
F27	8 38	22 19	0 41	14 13	2 8	12 9	1 18	8 57	1 1	22 45	0 35	19 37	2 1	21 48	0 2	7 14	1 38	21 55	6 38	22 11	22 22	16 51	15 42
S28	8 16	21 42	0s37	13 37	2 8	11 42	1 19	8 39	1 1	22 46	0 35	19 37	2 1	21 48	0 2	7 13	1 38	21 54	6 38	22 11	22 23	16 50	15 42
S29	7s53	19s35	1s54	13s 1	2s 8	11s16	1s20	8s21	1s 1	22s46	0n35	19s37	2n 1	21n48	0s 2	7s13	1n38	21s54	6s38	22n11	22n23	16n48	15n43

Julian Day Number = 2553843.5, Delta T = 264.01 sec

Ecliptic obliquity = 23°24'07, Nutation = - 0°00'15, out-of-bounds declination in red

Avanamsha: Fagan/Bradley = 28°39'18, Lahiri = 27°46'19

ASTRODIENST EPHEMERIS for the year 2280

geocentric

MARCH 2280

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	10 37 10	10 ^h 48'03"	24 ^h 58'	3 ^h 0'	5 ^h 15'	11 ^h 49'	26 ^h 57'	8 ^h 1'	9 ^h 29'	22 ^h 27'	17 ^h 26'	17 ^h R59	16 ^h 26'	22 ^h 48'	25 ^h 58'	M 1
T 2	10 41 6	11 ^h 48'24"	10 ^h 12'	4 ^h 45'	6 ^h 30'	12 ^h 37'	26 ^h 13'	8 ^h 3'	9 ^h 29'	22 ^h 26'	17 ^h 28'	17 ^h 52'	16 ^h 23'	22 ^h 55'	26 ^h 0'	T 2
W 3	10 45 3	12 ^h 48'44"	25 ^h 22'	6 ^h 32'	7 ^h 45'	13 ^h 24'	26 ^h 20'	8 ^h 4'	9 ^h 30'	22 ^h 25'	17 ^h 30'	17 ^h 44'	16 ^h 19'	23 ^h 1'	26 ^h 2'	W 3
T 4	10 48 59	13 ^h 49'01"	10 ^h 19'	8 ^h 19'	9 ^h 0'	14 ^h 11'	26 ^h 27'	8 ^h 5'	9 ^h 31'	22 ^h 24'	17 ^h 31'	17 ^h 35'	16 ^h 16'	23 ^h 8'	26 ^h 3'	T 4
F 5	10 52 56	14 ^h 49'17"	24 ^h 54'	10 ^h 8'	10 ^h 15'	14 ^h 59'	26 ^h 34'	8 ^h 7'	9 ^h 32'	22 ^h 22'	17 ^h 33'	17 ^h 26'	16 ^h 13'	23 ^h 15'	26 ^h 5'	F 5
S 6	10 56 53	15 ^h 49'31"	9 ^h 0'	11 ^h 57'	11 ^h 30'	15 ^h 46'	26 ^h 41'	8 ^h 8'	9 ^h 33'	22 ^h 21'	17 ^h 35'	17 ^h 19'	16 ^h 10'	23 ^h 21'	26 ^h 7'	S 6
S 7	11 0 49	16 ^h 49'43"	22 ^h 37'	13 ^h 48'	12 ^h 45'	16 ^h 33'	26 ^h 48'	8 ^h 9'	9 ^h 34'	22 ^h 20'	17 ^h 36'	17 ^h 14'	16 ^h 7'	23 ^h 28'	26 ^h 10'	S 7
M 8	11 4 46	17 ^h 49'53"	5 ^h 11'	15 ^h 40'	14 ^h 0'	17 ^h 21'	26 ^h 55'	8 ^h 10'	9 ^h 35'	22 ^h 19'	17 ^h 38'	17 ^h 11'	16 ^h 4'	23 ^h 35'	26 ^h 12'	M 8
T 9	11 8 42	18 ^h 50'01"	18 ^h 26'	17 ^h 32'	15 ^h 15'	18 ^h 8'	27 ^h 1'	8 ^h 11'	9 ^h 36'	22 ^h 17'	17 ^h 40'	17 ^h D11	16 ^h 0'	23 ^h 41'	26 ^h 14'	T 9
W10	11 12 39	19 ^h 50'07"	0 ^h 34'	19 ^h 26'	16 ^h 30'	18 ^h 55'	27 ^h 7'	8 ^h 12'	9 ^h 37'	22 ^h 16'	17 ^h 41'	17 ^h 11'	15 ^h 57'	23 ^h 48'	26 ^h 16'	W10
T 11	11 16 35	20 ^h 50'10"	12 ^h 52'	21 ^h 20'	17 ^h 45'	19 ^h 43'	27 ^h 13'	8 ^h 12'	9 ^h 38'	22 ^h 15'	17 ^h 43'	17 ^h R12	15 ^h 54'	23 ^h 55'	26 ^h 18'	T 11
F 12	11 20 32	21 ^h 50'12"	24 ^h 47'	23 ^h 16'	19 ^h 0'	20 ^h 30'	27 ^h 20'	8 ^h 13'	9 ^h 39'	22 ^h 13'	17 ^h 45'	17 ^h 12'	15 ^h 51'	24 ^h 1'	26 ^h 21'	F 12
S 13	11 24 28	22 ^h 50'11"	6 ^h 23'	25 ^h 12'	20 ^h 15'	21 ^h 17'	27 ^h 25'	8 ^h 13'	9 ^h 41'	22 ^h 12'	17 ^h 46'	17 ^h 9'	15 ^h 48'	24 ^h 8'	26 ^h 23'	S 13
S 14	11 28 25	23 ^h 50'09"	18 ^h 23'	27 ^h 9'	21 ^h 30'	22 ^h 4'	27 ^h 31'	8 ^h 14'	9 ^h 42'	22 ^h 11'	17 ^h 48'	17 ^h 5'	15 ^h 44'	24 ^h 15'	26 ^h 26'	S 14
M15	11 32 22	24 ^h 50'04"	0 ^h 12'	29 ^h 6'	22 ^h 45'	22 ^h 51'	27 ^h 37'	8 ^h 14'	9 ^h 44'	22 ^h 9'	17 ^h 49'	16 ^h 58'	15 ^h 41'	24 ^h 21'	26 ^h 28'	M15
T 16	11 36 18	25 ^h 49'57"	12 ^h 6'	1 ^h 1 ^h 4'	23 ^h 59'	23 ^h 39'	27 ^h 42'	8 ^h 14'	9 ^h 45'	22 ^h 8'	17 ^h 51'	16 ^h 48'	15 ^h 38'	24 ^h 28'	26 ^h 31'	T 16
W17	11 40 15	26 ^h 49'48"	24 ^h 7'	3 ^h 2'	25 ^h 14'	24 ^h 26'	27 ^h 47'	8 ^h R14	9 ^h 46'	22 ^h 6'	17 ^h 52'	16 ^h 36'	15 ^h 35'	24 ^h 35'	26 ^h 33'	W17
T 18	11 44 11	27 ^h 49'38"	6 ^h 15'	5 ^h 0'	26 ^h 29'	25 ^h 13'	27 ^h 52'	8 ^h 14'	9 ^h 48'	22 ^h 5'	17 ^h 54'	16 ^h 23'	15 ^h 32'	24 ^h 42'	26 ^h 36'	T 18
F 19	11 48 8	28 ^h 49'25"	18 ^h 33'	6 ^h 59'	27 ^h 44'	26 ^h 0'	27 ^h 57'	8 ^h 14'	9 ^h 50'	22 ^h 3'	17 ^h 55'	16 ^h 9'	15 ^h 29'	24 ^h 48'	26 ^h 39'	F 19
S 20	11 52 4	29 ^h 49'10"	1 ^h 0'	8 ^h 57'	28 ^h 59'	26 ^h 47'	28 ^h 2'	8 ^h 14'	9 ^h 51'	22 ^h 2'	17 ^h 57'	15 ^h 57'	15 ^h 25'	24 ^h 55'	26 ^h 42'	S 20
S 21	11 56 1	0 ^h 48'54"	13 ^h 37'	10 ^h 54'	0 ^h 13'	27 ^h 34'	28 ^h 7'	8 ^h 13'	9 ^h 53'	22 ^h 1'	17 ^h 58'	15 ^h 47'	15 ^h 22'	25 ^h 2'	26 ^h 45'	S 21
M22	11 59 57	1 ^h 48'36"	26 ^h 25'	12 ^h 50'	1 ^h 28'	28 ^h 21'	28 ^h 11'	8 ^h 13'	9 ^h 55'	21 ^h 59'	18 ^h 0'	15 ^h 40'	15 ^h 19'	25 ^h 8'	26 ^h 47'	M22
T 23	12 3 54	2 ^h 48'16"	9 ^h 27'	14 ^h 45'	2 ^h 43'	29 ^h 8'	28 ^h 15'	8 ^h 12'	9 ^h 56'	21 ^h 57'	18 ^h 1'	15 ^h 36'	15 ^h 16'	25 ^h 15'	26 ^h 50'	T 23
W24	12 7 50	3 ^h 47'55"	22 ^h 44'	16 ^h 38'	3 ^h 58'	29 ^h 55'	28 ^h 19'	8 ^h 12'	9 ^h 58'	21 ^h 56'	18 ^h 2'	15 ^h 34'	15 ^h 13'	25 ^h 22'	26 ^h 53'	W24
T 25	12 11 47	4 ^h 47'32"	6 ^h 18'	18 ^h 29'	5 ^h 12'	0 ^h 42'	28 ^h 23'	8 ^h 11'	10 ^h 0'	21 ^h 54'	18 ^h 4'	15 ^h D33	15 ^h 10'	25 ^h 28'	26 ^h 56'	T 25
F 26	12 15 44	5 ^h 47'07"	20 ^h 11'	20 ^h 18'	6 ^h 27'	1 ^h 29'	28 ^h 27'	8 ^h 10'	10 ^h 2'	21 ^h 53'	18 ^h 5'	15 ^h R33	15 ^h 6'	25 ^h 35'	26 ^h 59'	F 26
S 27	12 19 40	6 ^h 46'41"	4 ^h 23'	22 ^h 4'	7 ^h 42'	2 ^h 16'	28 ^h 30'	8 ^h 9'	10 ^h 4'	21 ^h 51'	18 ^h 6'	15 ^h 32'	15 ^h 3'	25 ^h 42'	27 ^h 3'	S 27
S 28	12 23 37	7 ^h 46'13"	18 ^h 55'	23 ^h 46'	8 ^h 56'	3 ^h 3'	28 ^h 34'	8 ^h 8'	10 ^h 6'	21 ^h 50'	18 ^h 8'	15 ^h 29'	15 ^h 0'	25 ^h 48'	27 ^h 6'	S 28
M29	12 27 33	8 ^h 45'43"	3 ^h 11'	25 ^h 24'	10 ^h 11'	3 ^h 50'	28 ^h 37'	8 ^h 7'	10 ^h 8'	21 ^h 48'	18 ^h 9'	15 ^h 24'	14 ^h 57'	25 ^h 55'	27 ^h 9'	M29
T 30	12 31 30	9 ^h 45'11"	18 ^h 37'	26 ^h 58'	11 ^h 26'	4 ^h 36'	28 ^h 40'	8 ^h 6'	10 ^h 10'	21 ^h 46'	18 ^h 10'	15 ^h 15'	14 ^h 54'	26 ^h 2'	27 ^h 12'	T 30
W31	12 35 26	10 ^h 44'37"	3 ^h 13'	28 ^h 17'	12 ^h 40'	5 ^h 23'	28 ^h 43'	8 ^h 5'	10 ^h 12'	21 ^h 45'	18 ^h 12'	15 ^h 54'	14 ^h 50'	26 ^h 8'	27 ^h 16'	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
M 1	7s30	16s 5	3s 5	12s23	2s 8	10s50	1s21	8s 3	1s 0	22s46	0n35	19s37	2n 1	21n48	0s 2	7s12	1n38	21s54	6s38	22n12	22n24	16n47	15n43	3s36	15s44	15s44	3s35	15s44	3s35
T 2	7 7	11 29	4 3	11 43	2 7	10 23	1 22	7 45	1 0	22 46	0 35	19 37	2 1	21 48	0 2	7 12	1 38	21 53	6 38	22 13	22 24	16 45	15 44	3 35	15 44	3 35	15 44	3 35	15 44
W 3	6 44	6 10	4 43	11 3	2 6	9 55	1 22	7 26	1 0	22 46	0 35	19 37	2 1	21 48	0 2	7 11	1 38	21 53	6 38	22 14	22 24	16 44	15 45	3 35	15 45	3 35	15 45	3 35	15 45
T 4	6 21	0 34	5 3	10 21	2 4	9 28	1 23	7 8	1 0	22 47	0 35	19 37	2 2	21 48	0 2	7 11	1 38	21 52	6 38	22 15	22 25	16 42	15 45	3 35	15 45	3 35	15 45	3 35	15 45
F 5	5 58	4n55	5 3	9 38	2 2	9 0	1 24	6 49	0 59	22 47	0 35	19 37	2 2	21 48	0 2	7 10	1 38	21 52	6 39	22 16	22 25	16 41	15 46	3 35	15 46	3 35	15 46	3 35	15 46
S 6	5 35	9 59	4 44	8 54	1 59	8 32	1 24	6 31	0 59	22 47	0 35	19 37	2 2	21 49	0 2	7 10	1 38	21 52	6 39	22 17	22 26	16 39	15 46	3 35	15 46	3 35	15 46	3 35	15 46
S 7	5 12	14 22	4 10	8 9	1 56	8 4	1 25	6 12	0 59	22 47	0 35	19 37	2 2	21 49	0 2	7 9	1 39	21 51	6 39	22 18	22 26	16 38	15 47	3 35	15 47	3 35	15 47	3 35	15 47
M 8	4 48	17 54	3 23	7 22	1 52	7 36	1 25	5 53	0 58	22 47	0 35	19 37	2 2	21 49	0 2	7 9	1 39	21 51	6 39	22 18	22 26	16 36	15 47	3 35	15 47	3 35	15 47	3 35	15 47
T 9	4 25	20 27	2 28	6 34	1 48	7 7	1 25	5 35	0 58	22 47	0 35	19 37	2 2	21 49	0 2	7 8	1 39	21 51	6 39	22 18	22 27	16 35	15 48	3 34	15 48	3 34	15 48	3 34	15 48
W10	4 1	21 57	1 27	5 46	1 43	6 38	1 26	5 16	0 58	22 48	0 35	19 37	2 3	21 49	0 2	7 8	1 39	21 50	6 39	22 18	22 27	16 33	15 49	3 34	15 49	3 34	15 49	3 34	15 49
T 11	3 38	22 24	0 23	4 56	1 38	6 9	1 26	4 57	0 57	22 48	0 35	19 37	2 3	21 49	0 2	7 7	1 39	21 50	6 40	22 18	22 27	16 31	15 49	3 34	15 49	3 34	15 49	3 34	15 49
F 12	3 14	21 48	0n40	4 5	1 32	5 40	1 26	4 38	0 57	22 48	0 35	19 37	2 3	21 50	0 2	7 7	1 39	21 49	6 40	22 18	22 28	16 30	15 50	3 34	15 50	3 34	15 50	3 34	15 50
S 13	2 50	20 14	1 42	3 13	1 26	5 11	1 26	4 19	0 57	22 48	0 35	19 37	2 3	21 50	0 2	7 6	1 39	21 49	6 40	22 18	22 28	16 28	15 51	3 34	15 51	3 34	15 51	3 34	15 51
S 14	2 27	17 48	2 38	2 20	1 19	4 41	1 26	4 0	0 56	22 48	0 35	19 37	2 3	21 50	0 2	7 6	1 39	21 49	6 40	22 19	22 29	16 27	15 51	3 34	15 51	3 34	15 51	3 34	15 51
M15	2 3	14 37	3 28	1 27	1 11	4 12	1 26	3 41	0 56	22 48	0 35	19 37	2 3	21 50	0 2	7 5	1 39	21 48	6 40	22 20	22 29	16 25	15 52	3 34	15 52	3 34	15 52	3 34	15 52
T 16	1 39	10 50	4 9	0 32	1 3	3 42	1 26	3 22	0 56	22 48	0 35	19 37	2 3	21 51	0 2	7 5	1 39	21 48	6 40	22 21	22 29	16 23	15 53	3 34	15 53	3 34	15 53	3 34	15 53
W17	1 15	6 36	4 39	0n23	0 54	3 12	1 26	3 3	0 55	22 48	0 35	19 37	2 4	21 51	0 2	7 4	1 39	21 48	6 41	22 22	22 30	16 22	15 54	3 34	15 54	3 34	15 54	3 34	15 54
T 18	0 52	2 4	4 57	1 18	0 45	2 42	1 26	2 44	0 55	22 48	0 35	19 36	2 4	21 51	0 2	7 3	1 39	21 48	6 41	22 24	22 30	16 20	15 54	3 33	15 54	3 33	15 54	3 33	15 54
F 19	0 28	2s37	5 1	2 14	0 35	2 12	1 25	2 25	0 55	22 48	0 35	19 36	2 4	21 51	0 2	7 3	1 39	21 47	6 41	22 26	22 30	16 19	15 55	3 33	15 55	3 33	15 55	3 33	15 55
S 20	0 4	7 15	4 51	3 9	0 25	1 42	1 25	2 6	0 54	22 48	0 35	19 36	2 4	21 51	0 2	7 2	1 39	21 47	6 41	22 27	22 31	16 17	15 56	3 33	15 56	3 33	15 56	3 33	15 56
S 21	0n19	11 39	4 27	4 5	0 14	1 12	1 25	1 47	0 54	22 49	0 35	19 36	2 4	21 52	0 2	7 2	1 39	21 47	6 41	22 28	22 31	16 15	15 56	3 33	15 56	3 33	15 56	3 33	15 56
M22	0 43	15 37	3 49	5 1	0 3	0 42	1 24	1 28	0 53	22 49	0 35	19 36	2 4	21 52	0 2	7 1	1 39	21 46	6 42	22 29	22 31	16 14	15 57	3 33	15 57	3 33	15 57	3 33	15 57
T 23	1 7	18 53	2 59	5 56	0n 8	0 12	1 24	1 9	0 53	22 49	0 35	19 35	2 5	21 52	0 2	7 1	1 39	21 46	6 42	22 30	22 32	16 12	15 58	3 33	15 58	3 33	15 58	3 33	15 58
W24	1 30	21 15	1 58	6 50	0 20	0n18	1 23	0 50	0 53	22 49	0 35	19 35	2 5	21 53	0 2	7 0	1 39	21 46	6 42	22 30	22 32	16 11	15 59	3 33	15 59	3 33	15 59	3 33	15 59
T 25	1 54	22 26	0 49	7 44	0 32	0 48	1 22	0 31	0 52	22 49	0 35	19 35	2 5	21 53	0 2	6 59	1 39	21 46	6 42	22 30	22 33	16 9	16 0	3 33	16 0	3 33	16 0	3 33	16 0
F 26	2 18	22 18	0s24	8 36	0 44	1 18	1 22	0 12	0 52	22 49	0 35	19 35	2 5	21 53	0 2	6 59	1 39	21 45	6 42	22 30	22 33	16 7	16 0	3 33	16 0	3 33	16 0	3 33	16 0
S 27	2 41	20 43	1 38	9 27	0 57	1 49	1 21	0n 7	0 51	22 49	0 35	19 34	2 5	21 53	0 2	6 58	1 39	21 45	6 43	22 30	22 33	16 6	16 1	3 32	16 1	3 32	16 1	3 32	16 1
S 28	3 5	17 46	2 47	10 17	1 9	2 19	1 20	0 26	0 51	22 49	0 35	19 34	2 5	21 54	0 2	6 58	1 39	21 45	6 43	22 30	22 34	16 4	16 2	3 32	16 2	3 32	16 2	3 32	16 2
M29	3 28	13 38	3 45	11 4	1 21	2 49	1 19	0 45	0 51	22 49	0 35	19 34	2 5	21 54	0 2	6 57	1 39	21 45	6 43	22 31	22 34	16 2	16 3	3 32	16 3	3 32	16 3	3 32	16 3
T 30	3 51	8 37	4 29	11 49	1 33	3 19	1 18	1 4	0 50	22 49	0 35	19 33	2 6	21 54	0 2	6 56	1 39	21 45	6 43	22 32	22 34	16 1	16 4	3 32	16 4	3 32	16 4	3 32	16 4
W31	4n15	3s 5	4s54	12n32	1n45	3n49	1s17	1n23	0s50	22s49	0n35	19s33	2n 6	21n55	0s 2	6s56	1n39	21s44	6s43	22n33	22n35	15n59	16n 4	3s32	16n 4	3s32	16n 4	3s32	16n 4

ASTRODIENST EPHEMERIS for the year 2280

geocentric

APRIL 2280

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 39 23	11°44'01	18°23	29°51	13°55	6°10	28°45	8°R 3	10°14	21°R43	18°13	14°R52	14°47	26°15	27°19	T 1
F 2	12 43 19	12°43'23	28°54	18°9	15°10	6°57	28°48	8°2	10°17	21°42	18°14	14°41	14°44	26°22	27°22	F 2
S 3	12 47 16	13°42'43	17°2	2°22	16°24	7°43	28°50	8°0	10°19	21°40	18°15	14°31	14°41	26°28	27°26	S 3
S 4	12 51 13	14°42'01	0°42	3°29	17°39	8°30	28°52	7°58	10°21	21°38	18°16	14°23	14°38	26°35	27°29	S 4
M 5	12 55 9	15°41'17	13°54	4°29	18°53	9°17	28°54	7°56	10°23	21°37	18°17	14°18	14°35	26°42	27°33	M 5
T 6	12 59 6	16°40'30	26°41	5°23	20°8	10°3	28°56	7°55	10°26	21°35	18°19	14°16	14°31	26°48	27°36	T 6
W 7	13 3 2	17°39'41	9°5	6°11	21°22	10°50	28°57	7°53	10°28	21°33	18°20	14°15	14°28	26°55	27°40	W 7
T 8	13 6 59	18°38'50	21°12	6°51	22°37	11°36	28°59	7°51	10°31	21°32	18°21	14°15	14°25	27°2	27°43	T 8
F 9	13 10 55	19°37'57	30°8	7°24	23°51	12°23	29°0	7°48	10°33	21°30	18°22	14°15	14°22	27°8	27°47	F 9
S 10	13 14 52	20°37'01	14°58	7°51	25°5	13°9	29°1	7°46	10°36	21°29	18°23	14°13	14°19	27°15	27°51	S 10
S 11	13 18 48	21°36'03	26°46	8°11	26°20	13°55	29°2	7°44	10°38	21°27	18°24	14°8	14°15	27°22	27°55	S 11
M12	13 22 45	22°35'02	8°38	8°23	27°34	14°42	29°2	7°41	10°41	21°25	18°25	14°1	14°12	27°28	27°58	M12
T 13	13 26 42	23°34'00	20°37	8°R29	28°49	15°28	29°3	7°39	10°43	21°24	18°26	13°51	14°9	27°35	28°2	T 13
W14	13 30 38	24°32'55	2°45	8°28	0°8	16°14	29°3	7°36	10°46	21°22	18°27	13°40	14°6	27°42	28°6	W14
T 15	13 34 35	25°31'48	15°5	8°21	1°17	17°1	29°R 3	7°34	10°49	21°20	18°28	13°26	14°3	27°49	28°10	T 15
F 16	13 38 31	26°30'39	27°37	8°8	2°31	17°47	29°3	7°31	10°51	21°19	18°29	13°13	14°0	27°55	28°14	F 16
S 17	13 42 28	27°29'29	10°21	7°48	3°46	18°33	29°2	7°28	10°54	21°17	18°29	13°1	13°56	28°2	28°18	S 17
S 18	13 46 24	28°28'16	23°17	7°24	5°0	19°19	29°2	7°25	10°57	21°15	18°30	12°51	13°53	28°9	28°22	S 18
M19	13 50 21	29°27'01	6°25	6°55	6°14	20°5	29°1	7°22	11°0	21°14	18°31	12°44	13°50	28°15	28°26	M19
T 20	13 54 17	0°25'45	19°43	6°22	7°28	20°51	29°0	7°19	11°3	21°12	18°32	12°39	13°47	28°22	28°30	T 20
W21	13 58 14	1°24'27	3°12	5°46	8°43	21°37	28°59	7°16	11°6	21°11	18°33	12°37	13°44	28°29	28°34	W21
T 22	14 2 11	2°23'08	16°52	5°6	9°57	22°23	28°58	7°13	11°8	21°9	18°33	12°D37	13°41	28°35	28°38	T 22
F 23	14 6 7	3°21'46	0°45	4°25	11°11	23°9	28°57	7°10	11°11	21°7	18°34	12°R37	13°37	28°42	28°42	F 23
S 24	14 10 4	4°20'23	14°49	3°43	12°25	23°55	28°55	7°6	11°14	21°6	18°35	12°37	13°34	28°49	28°46	S 24
S 25	14 14 0	5°18'59	29°6	3°1	13°39	24°41	28°53	7°3	11°17	21°4	18°35	12°35	13°31	28°55	28°50	S 25
M26	14 17 57	6°17'33	13°31	2°19	14°53	25°27	28°51	6°59	11°20	21°3	18°36	12°30	13°28	29°2	28°54	M26
T 27	14 21 53	7°16'05	28°3	1°38	16°7	26°12	28°49	6°56	11°23	21°1	18°37	12°23	13°25	29°9	28°58	T 27
W28	14 25 50	8°14'35	12°34	0°59	17°21	26°58	28°47	6°52	11°26	20°59	18°37	12°14	13°21	29°15	29°2	W28
T 29	14 29 46	9°13'04	26°59	0°23	18°35	27°44	28°44	6°49	11°30	20°58	18°38	12°4	13°18	29°22	29°7	T 29
F 30	14 33 43	10°11'31	11°12	29°49	19°49	28°29	28°41	6°45	11°33	20°56	18°38	11°54	13°15	29°19	29°11	F 30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	4n38	2n34	5s 0	13n13	1n56	4n19	1s16	1n41	0s49	22s49	0n35	19s33	2n 6	21n55	0s 2	6s55	1n39	21s44	6s44	22n34	22n35	15n57	16n 5	3s32	
F 2	5 1	7 59	4 46	13 51	2 7	4 49	1 15	2 0	0 49	22 49	0 35	19 32	2 6	21 55	0 2	6 54	1 39	21 44	6 44	22 36	22 35	15 56	16 6	3 32	
S 3	5 24	12 50	4 14	14 26	2 17	5 18	1 14	2 19	0 48	22 49	0 35	19 32	2 6	21 56	0 2	6 54	1 39	21 44	6 44	22 37	22 36	15 54	16 7	3 32	
S 4	5 47	16 52	3 29	14 58	2 27	5 48	1 12	2 38	0 48	22 49	0 35	19 32	2 6	21 56	0 2	6 53	1 39	21 44	6 44	22 38	22 36	15 52	16 8	3 32	
M 5	6 10	19 54	2 33	15 27	2 36	6 17	1 11	2 57	0 47	22 49	0 35	19 31	2 6	21 56	0 2	6 53	1 39	21 44	6 44	22 38	22 36	15 51	16 9	3 32	
T 6	6 33	21 50	1 32	15 52	2 44	6 47	1 10	3 15	0 47	22 49	0 35	19 31	2 7	21 57	0 2	6 52	1 39	21 43	6 45	22 38	22 37	15 49	16 9	3 32	
W 7	6 55	22 38	0 27	16 15	2 51	7 16	1 8	3 34	0 47	22 49	0 35	19 30	2 7	21 57	0 2	6 51	1 39	21 43	6 45	22 38	22 37	15 47	16 10	3 32	
T 8	7 18	22 20	0n37	16 34	2 57	7 45	1 7	3 53	0 46	22 49	0 35	19 30	2 7	21 57	0 2	6 51	1 39	21 43	6 45	22 38	22 37	15 46	16 11	3 32	
F 9	7 40	21 1	1 38	16 50	3 2	8 14	1 5	4 11	0 46	22 49	0 35	19 29	2 7	21 58	0 2	6 50	1 39	21 43	6 45	22 39	22 38	15 44	16 12	3 32	
S 10	8 2	18 47	2 35	17 2	3 5	8 42	1 4	4 30	0 45	22 49	0 35	19 29	2 7	21 58	0 2	6 50	1 39	21 43	6 46	22 39	22 38	15 42	16 13	3 31	
S 11	8 24	15 47	3 25	17 10	3 8	9 11	1 2	4 48	0 45	22 49	0 35	19 28	2 7	21 58	0 2	6 49	1 39	21 43	6 46	22 39	22 38	15 40	16 14	3 31	
M12	8 46	12 7	4 6	17 16	3 9	9 39	1 1	5 6	0 44	22 49	0 35	19 28	2 7	21 59	0 2	6 48	1 39	21 43	6 46	22 40	22 39	15 39	16 15	3 31	
T 13	9 8	7 57	4 37	17 17	3 9	10 7	0 59	5 25	0 44	22 49	0 35	19 27	2 7	21 59	0 2	6 48	1 39	21 43	6 46	22 41	22 39	15 37	16 15	3 31	
W14	9 30	3 25	4 55	17 15	3 7	10 35	0 57	5 43	0 43	22 49	0 35	19 27	2 7	22 0	0 2	6 47	1 39	21 43	6 47	22 42	22 39	15 35	16 16	3 31	
T 15	9 51	1s19	5 0	17 10	3 4	11 2	0 55	6 1	0 43	22 49	0 35	19 26	2 8	22 0	0 2	6 46	1 39	21 43	6 47	22 43	22 40	15 34	16 17	3 31	
F 16	10 13	6 5	4 51	17 1	2 59	11 30	0 53	6 19	0 42	22 49	0 35	19 26	2 8	22 0	0 2	6 46	1 39	21 42	6 47	22 45	22 40	15 32	16 18	3 31	
S 17	10 34	10 40	4 27	16 49	2 52	11 57	0 52	6 37	0 41	22 49	0 35	19 25	2 8	22 1	0 2	6 45	1 39	21 42	6 47	22 46	22 40	15 30	16 19	3 31	
S 18	10 55	14 51	3 50	16 33	2 45	12 23	0 50	6 55	0 41	22 49	0 35	19 25	2 8	22 1	0 2	6 45	1 39	21 42	6 48	22 47	22 41	15 28	16 20	3 31	
M19	11 16	18 24	2 59	16 15	2 35	12 50	0 48	7 13	0 40	22 49	0 35	19 24	2 8	22 2	0 2	6 44	1 39	21 42	6 48	22 48	22 41	15 27	16 21	3 31	
T 20	11 36	21 2	1 58	15 54	2 25	13 16	0 46	7 31	0 40	22 49	0 35	19 24	2 8	22 2	0 2	6 43	1 39	21 42	6 48	22 48	22 41	15 25	16 22	3 31	
W21	11 57	22 32	0 50	15 30	2 13	13 42	0 44	7 48	0 39	22 49	0 35	19 23	2 8	22 2	0 2	6 43	1 39	21 42	6 48	22 48	22 42	15 23	16 22	3 31	
T 22	12 17	22 43	0s23	15 5	2 0	14 7	0 42	8 6	0 39	22 49	0 35	19 22	2 8	22 3	0 2	6 42	1 39	21 42	6 49	22 48	22 42	15 21	16 23	3 31	
F 23	12 37	21 30	1 35	14 38	1 45	14 32	0 39	8 23	0 38	22 49	0 35	19 22	2 8	22 3	0 2	6 42	1 39	21 42	6 49	22 48	22 42	15 20	16 24	3 31	
S 24	12 57	18 57	2 42	14 9	1 30	14 57	0 37	8 41	0 38	22 49	0 35	19 21	2 8	22 4	0 2	6 41	1 39	21 42	6 49	22 48	22 43	15 18	16 25	3 31	
S 25	13 16	15 13	3 41	13 40	1 14	15 21	0 35	8 58	0 37	22 49	0 35	19 20	2 8	22 4	0 2	6 40	1 39	21 42	6 49	22 49	22 43	15 16	16 26	3 31	
M26	13 36	10 33	4 26	13 10	0 58	15 45	0 33	9 15	0 37	22 49	0 35	19 20	2 9	22 5	0 2	6 40	1 39	21 42	6 50	22 49	22 43	15 14	16 27	3 31	
T 27	13 55	5 16	4 54	12 40	0 41	16 9	0 31	9 32	0 36	22 49	0 35	19 19	2 9	22 5	0 2	6 39	1 39	21 42	6 50	22 50	22 44	15 13	16 28	3 31	
W28	14 14	0n18	5 3	12 10	0 24	16 32	0 28	9 49	0 36	22 49	0 35	19 19	2 9	22 5	0 2	6 39	1 39	21 43	6 50	22 50	22 44	15 11	16 29	3 31	
T 29	14 33	5 49	4 53	11 42	0 7	16 55	0 26	10 6	0 35	22 49	0 35	19 18	2 9	22 6	0 2	6 38	1 39	21 43	6 50	22 51	22 44	15 9	16 30	3 31	
F 30	14n51	10n58	4s25	11n14	0s10	17n17	0s24	10n23	0s34	22s49	0n35	19s17	2n 9	22n 6	0s 2	6s38	1n39	21s43	6s51	22n52	22n45	15n 7	16n30	3s31	

ASTRODIENST EPHEMERIS for the year 2280

geocentric

MAY 2280

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 37 40	11♈ 9°56	25♈ 6	29°R20	21♈ 3	29°V15	28°R38	6°R41	11♈36	20°R55	18°R39	11°R46	13°R12	29°R35	29°R15	S 1
S 2	14 41 36	12° 8'20	8♈39	28°V54	22°17	0♈ 0	28°R35	6°R37	11°39	20°R53	18°39	11°R39	13° 9	29°42	29°19	S 2
M 3	14 45 33	13° 6'41	21°47	28°32	23°31	0°46	28°32	6°33	11°42	20°52	18°40	11°35	13° 6	29°49	29°24	M 3
T 4	14 49 29	14° 5'01	4♈33	28°15	24°45	1°31	28°29	6°30	11°45	20°50	18°40	11°33	13° 2	29°56	29°28	T 4
W 5	14 53 26	15° 3'18	16°59	28° 3	25°59	2°17	28°25	6°26	11°49	20°49	18°41	11°D33	12°59	0° 2	29°32	W 5
T 6	14 57 22	16° 1'34	29° 9	27°55	27°13	3° 2	28°21	6°22	11°52	20°47	18°41	11°34	12°56	0° 9	29°37	T 6
F 7	15 1 19	16°59'47	11♈ 7	27°D53	28°27	3°47	28°17	6°17	11°55	20°46	18°41	11°35	12°53	0°16	29°41	F 7
S 8	15 5 15	17°57'58	22°58	27°55	29°41	4°32	28°13	6°13	11°58	20°44	18°42	11°R35	12°50	0°22	29°45	S 8
S 9	15 9 12	18°56'08	4♈49	28° 1	0♈55	5°18	28° 9	6° 9	12° 2	20°43	18°42	11°33	12°47	0°29	29°50	S 9
M10	15 13 9	19°54'15	16°43	28°13	2° 9	6° 3	28° 4	6° 5	12° 5	20°42	18°42	11°30	12°43	0°36	29°54	M10
T 11	15 17 5	20°52'21	28°46	28°29	3°22	6°48	28° 0	6° 1	12° 8	20°40	18°42	11°24	12°40	0°42	29°58	T 11
W12	15 21 2	21°50'25	11♈ 0	28°50	4°36	7°33	27°55	5°57	12°12	20°39	18°43	11°17	12°37	0°49	0° 3	W12
T 13	15 24 58	22°48'26	23°29	29°15	5°50	8°18	27°50	5°52	12°15	20°38	18°43	11° 9	12°34	0°56	0° 7	T 13
F 14	15 28 55	23°46'27	6♈14	29°44	7° 4	9° 3	27°45	5°48	12°18	20°36	18°43	11° 0	12°31	1° 2	0°12	F 14
S 15	15 32 51	24°44'25	19°16	0♈17	8°17	9°47	27°40	5°44	12°22	20°35	18°43	10°52	12°27	1° 9	0°16	S 15
S 16	15 36 48	25°42'22	2♈32	0°54	9°31	10°32	27°35	5°39	12°25	20°34	18°43	10°46	12°24	1°16	0°20	S 16
M17	15 40 44	26°40'18	16° 2	1°35	10°45	11°17	27°29	5°35	12°29	20°32	18°43	10°41	12°21	1°22	0°25	M17
T 18	15 44 41	27°38'12	29°44	2°20	11°58	12° 2	27°23	5°31	12°32	20°31	18°43	10°39	12°18	1°29	0°29	T 18
W19	15 48 38	28°36'05	13♈36	3° 8	13°12	12°46	27°18	5°26	12°35	20°30	18°R43	10°D39	12°15	1°36	0°34	W19
T 20	15 52 34	29°33'56	27°35	4° 0	14°25	13°31	27°12	5°22	12°39	20°29	18°43	10°39	12°12	1°43	0°38	T 20
F 21	15 56 31	0♈31'46	11♈40	4°55	15°39	14°16	27° 6	5°17	12°42	20°28	18°43	10°41	12° 8	1°49	0°42	F 21
S 22	16 0 27	1°29'36	25°49	5°53	16°53	15° 0	27° 0	5°13	12°46	20°26	18°43	10°R42	12° 5	1°56	0°47	S 22
S 23	16 4 24	2°27'24	10♈ 0	6°55	18° 6	15°45	26°54	5° 8	12°49	20°25	18°43	10°42	12° 2	2° 3	0°51	S 23
M24	16 8 20	3°25'10	24°12	7°59	19°20	16°29	26°47	5° 4	12°53	20°24	18°43	10°40	11°59	2° 9	0°56	M24
T 25	16 12 17	4°22'56	8°V23	9° 6	20°33	17°13	26°41	4°59	12°56	20°23	18°43	10°37	11°56	2°16	1° 0	T 25
W26	16 16 13	5°20'41	22°28	10°16	21°47	17°58	26°34	4°55	13° 0	20°22	18°43	10°32	11°53	2°23	1° 5	W26
T 27	16 20 10	6°18'25	6♈26	11°29	23° 0	18°42	26°27	4°51	13° 3	20°21	18°43	10°27	11°49	2°29	1° 9	T 27
F 28	16 24 7	7°16'07	20°12	12°45	24°14	19°26	26°21	4°46	13° 7	20°20	18°42	10°22	11°46	2°36	1°13	F 28
S 29	16 28 3	8°13'48	3♈43	14° 3	25°27	20°10	26°14	4°42	13°10	20°19	18°42	10°17	11°43	2°43	1°18	S 29
S 30	16 32 0	9°11'29	16°56	15°24	26°40	20°54	26° 7	4°37	13°14	20°18	18°42	10°14	11°40	2°49	1°22	S 30
M31	16 35 56	10♈ 9'08	29♈52	16♈48	27♈54	21♈38	26°R 0	4°R33	13♈17	20°R17	18°R42	10°R12	11°R37	2°R56	1°R27	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	15n 9	15n26	3s42	10n48	0s27	17n39	0s21	10n40	0s34	22s49	0n35	19s17	2n 9	22n 7	0s 2	S 1
S 2	15 27	18 58	2 46	10 24	0 43	18 0	0 19	10 56	0 33	22 49	0 35	19 16	2 9	22 7	0 2	S 2
M 3	15 45	21 25	1 44	10 1	0 59	18 21	0 17	11 13	0 33	22 49	0 35	19 15	2 9	22 8	0 2	M 3
T 4	16 2	22 42	0 37	9 41	1 14	18 42	0 14	11 29	0 32	22 49	0 35	19 14	2 9	22 8	0 2	T 4
W 5	16 20	22 48	0n29	9 23	1 29	19 2	0 12	11 45	0 31	22 49	0 35	19 14	2 9	22 8	0 2	W 5
T 6	16 37	21 49	1 33	9 8	1 42	19 21	0 10	12 1	0 31	22 49	0 35	19 13	2 9	22 9	0 2	T 6
F 7	16 53	19 51	2 32	8 55	1 55	19 40	0 7	12 17	0 30	22 49	0 34	19 12	2 9	22 9	0 2	F 7
S 8	17 9	17 3	3 24	8 44	2 7	19 59	0 5	12 33	0 30	22 49	0 34	19 12	2 9	22 10	0 2	S 8
S 9	17 26	13 33	4 7	8 36	2 18	20 16	0 2	12 49	0 29	22 49	0 34	19 11	2 9	22 10	0 2	S 9
M10	17 41	9 31	4 39	8 31	2 28	20 34	0n 0	13 4	0 28	22 49	0 34	19 10	2 9	22 11	0 2	M10
T 11	17 57	5 4	5 0	8 28	2 38	20 51	0 3	13 19	0 28	22 49	0 34	19 9	2 9	22 11	0 2	T 11
W12	18 12	0 22	5 7	8 27	2 46	21 7	0 5	13 35	0 27	22 49	0 34	19 9	2 9	22 12	0 2	W12
T 13	18 27	4s28	5 0	8 29	2 53	21 22	0 8	13 50	0 27	22 49	0 34	19 8	2 9	22 12	0 2	T 13
F 14	18 41	9 12	4 38	8 33	3 0	21 37	0 10	14 5	0 26	22 49	0 34	19 7	2 9	22 12	0 2	F 14
S 15	18 55	13 38	4 1	8 39	3 6	21 52	0 13	14 19	0 25	22 49	0 34	19 6	2 9	22 13	0 2	S 15
S 16	19 9	17 31	3 11	8 48	3 10	22 6	0 15	14 34	0 25	22 49	0 34	19 6	2 9	22 13	0 2	S 16
M17	19 23	20 32	2 9	8 58	3 14	22 19	0 18	14 49	0 24	22 49	0 34	19 5	2 9	22 14	0 2	M17
T 18	19 36	22 25	0 59	9 10	3 18	22 31	0 20	15 3	0 24	22 49	0 34	19 4	2 9	22 14	0 2	T 18
W19	19 49	22 58	0s16	9 24	3 20	22 43	0 23	15 17	0 23	22 49	0 34	19 3	2 9	22 15	0 2	W19
T 20	20 2	22 6	1 31	9 40	3 22	22 55	0 25	15 31	0 22	22 49	0 34	19 3	2 9	22 15	0 2	T 20
F 21	20 14	19 50	2 40	9 58	3 22	23 5	0 28	15 45	0 22	22 48	0 34	19 2	2 9	22 16	0 2	F 21
S 22	20 26	16 21	3 41	10 17	3 23	23 15	0 30	15 59	0 21	22 48	0 34	19 1	2 9	22 16	0 2	S 22
S 23	20 37	11 56	4 28	10 37	3 22	23 24	0 32	16 12	0 20	22 48	0 34	19 1	2 9	22 17	0 2	S 23
M24	20 48	6 52	4 58	10 59	3 21	23 33	0 35	16 25	0 20	22 48	0 34	19 0	2 9	22 17	0 2	M24
T 25	20 59	1 27	5 11	11 22	3 19	23 41	0 37	16 39	0 19	22 48	0 34	18 59	2 9	22 17	0 2	T 25
W26	21 10	4n 1	5 4	11 47	3 16	23 48	0 40	16 52	0 18	22 48	0 33	18 58	2 9	22 18	0 2	W26
T 27	21 20	9 14	4 40	12 12	3 13	23 55	0 42	17 4	0 18	22 48	0 33	18 58	2 9	22 18	0 1	T 27
F 28	21 29	13 55	3 59	12 39	3 9	24 1	0 44	17 17	0 17	22 48	0 33	18 57	2 9	22 19	0 1	F 28
S 29	21 39	17 49	3 6	13 6	3 4	24 6	0 46	17 30	0 17	22 48	0 33	18 56	2 9	22 19	0 1	S 29
S 30	21 48	20 43	2 4	13 34	2 59	24 10	0 49	17 42	0 16	22 48	0 33	18 55	2 9	22 20	0 1	S 30
M31	21n56	22n28	0s56	14n 4	2s53	24n14	0n51	17n54	0s15	22s48	0n33	18s55	2n 8	22n20	0s 1	M31

Julian Day Number = 2553933.5, Delta T = 264.40 sec

Ecliptic obliquity = 23°24'08, Nutation = - 0°00'18, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 28°39'31, Lahiri = 27°46'31

ASTRODIENST EPHEMERIS for the year 2280

geocentric

JUNE 2280

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 39 53	11 ^{II} 6'45	12 [☾] 30	18 [♂] 14	29 ^{II} 7	22 [♂] 22	25°R53	4°R28	13 ^{II} 21	20°R16	18°R41	10°D12	11 [☾] 33	3 [♂] 3	1 ^{II} 31	T 1	
W 2	16 43 49	12° 4'22	24°52	19°42	0 [☾] 21	23° 6	25 [♂] 46	4 [♂] 24	13°24	20 [♂] 15	18 [♂] 41	10 [☾] 13	11°30	3°10	1°36	W 2	
T 3	16 47 46	13° 1'57	7 [♂] 1	21°13	1°34	23°50	25°38	4°19	13°28	20°14	18°40	10°14	11°27	3°16	1°40	T 3	
F 4	16 51 42	13°59'31	18°59	22°47	2°47	24°34	25°31	4°15	13°31	20°14	18°40	10°16	11°24	3°23	1°44	F 4	
S 5	16 55 39	14°57'03	0 [♂] 52	24°23	4° 0	25°18	25°24	4°11	13°35	20°13	18°40	10°17	11°21	3°30	1°49	S 5	
S 6	16 59 36	15°54'34	12°43	26° 2	5°14	26° 1	25°16	4° 6	13°39	20°12	18°39	10°R18	11°18	3°36	1°53	S 6	
M 7	17 3 32	16°52'04	24°39	27°43	6°27	26°45	25° 9	4° 2	13°42	20°11	18°39	10°18	11°14	3°43	1°57	M 7	
T 8	17 7 29	17°49'32	6 [♂] 42	29°26	7°40	27°29	25° 1	3°58	13°46	20°10	18°38	10°16	11°11	3°50	2° 2	T 8	
W 9	17 11 25	18°46'59	18°59	1 ^{II} 12	8°53	28°12	24°54	3°54	13°49	20°10	18°38	10°14	11° 8	3°56	2° 6	W 9	
T 10	17 15 22	19°44'25	1 [♂] 32	3° 0	10° 6	28°56	24°46	3°49	13°53	20° 9	18°37	10°12	11° 5	4° 3	2°10	T 10	
F 11	17 19 18	20°41'50	14°25	4°51	11°20	29°39	24°39	3°45	13°56	20° 9	18°37	10° 9	11° 2	4°10	2°15	F 11	
S 12	17 23 15	21°39'14	27°37	6°44	12°33	0 ^{II} 22	24°31	3°41	14° 0	20° 8	18°36	10° 6	10°59	4°16	2°19	S 12	
S 13	17 27 11	22°36'38	11 [♂] 10	8°40	13°46	1° 6	24°23	3°37	14° 3	20° 7	18°35	10° 4	10°55	4°23	2°23	S 13	
M14	17 31 8	23°34'00	25° 2	10°37	14°59	1°49	24°16	3°33	14° 7	20° 7	18°35	10° 3	10°52	4°30	2°27	M14	
T 15	17 35 5	24°31'21	9 [♂] 9	12°37	16°12	2°32	24° 8	3°29	14°10	20° 6	18°34	10°D 2	10°49	4°37	2°32	T 15	
W16	17 39 1	25°28'42	23°27	14°39	17°25	3°15	24° 0	3°25	14°14	20° 6	18°33	10° 3	10°46	4°43	2°36	W16	
T 17	17 42 58	26°26'02	7 [♂] 52	16°43	18°38	3°58	23°53	3°21	14°17	20° 5	18°33	10° 3	10°43	4°50	2°40	T 17	
F 18	17 46 54	27°23'22	22°19	18°49	19°51	4°41	23°45	3°17	14°21	20° 5	18°32	10° 4	10°39	4°57	2°44	F 18	
S 19	17 50 51	28°20'41	6 [♂] 43	20°56	21° 4	5°24	23°37	3°13	14°24	20° 5	18°31	10° 5	10°36	5° 3	2°48	S 19	
S 20	17 54 47	29°18'00	21° 1	23° 4	22°17	6° 7	23°30	3° 9	14°27	20° 4	18°31	10° 6	10°33	5°10	2°52	S 20	
M21	17 58 44	0 [☾] 15'18	5 [♂] 11	25°14	23°30	6°50	23°22	3° 6	14°31	20° 4	18°30	10°R 6	10°30	5°17	2°56	M21	
T 22	18 2 40	1°12'36	19°10	27°25	24°42	7°33	23°15	3° 2	14°34	20° 4	18°29	10° 5	10°27	5°23	3° 0	T 22	
W23	18 6 37	2° 9'54	2 [♂] 56	29°36	25°55	8°15	23° 7	2°58	14°38	20° 3	18°28	10° 5	10°24	5°30	3° 4	W23	
T 24	18 10 34	3° 7'12	16°30	1 [☾] 48	27° 8	8°58	23° 0	2°55	14°41	20° 3	18°27	10° 4	10°20	5°37	3° 9	T 24	
F 25	18 14 30	4° 4'30	29°50	4° 0	28°21	9°41	22°52	2°51	14°44	20° 3	18°26	10° 3	10°17	5°44	3°13	F 25	
S 26	18 18 27	5° 1'47	12 ^{II} 56	6°11	29°34	10°23	22°45	2°48	14°48	20° 3	18°25	10° 3	10°14	5°50	3°16	S 26	
S 27	18 22 23	5°59'04	25°47	8°22	0 [♂] 47	11° 6	22°38	2°44	14°51	20° 3	18°25	10° 2	10°11	5°57	3°20	S 27	
M28	18 26 20	6°56'21	8 [☾] 25	10°33	1°59	11°48	22°30	2°41	14°55	20° 2	18°24	10°D 2	10° 8	6° 4	3°24	M28	
T 29	18 30 16	7°53'37	20°50	12°42	3°12	12°31	22°23	2°38	14°58	20° 2	18°23	10° 2	10° 5	6°10	3°28	T 29	
W30	18 34 13	8 [☾] 50'53	3 [♂] 4	14 [☾] 51	4 [♂] 25	13 ^{II} 13	22 [♂] 16	2 [♂] 35	15 ^{II} 1	20 [♂] 2	18 [♂] 22	10 [☾] 2	10 [☾] 1	6 [♂] 17	3 ^{II} 32	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	22n 4	23n 2	0n13	14n33	2s47	24n17	0n53	18n 6	0s15	22s47	0n33	18s54	2n 8	22n21	0s 1	6s23	1n38	21s50	6s59	23n 1	22n54	14n 8	16n57	3s33	16n57
W 2	22 12	22 26	1 20	15 4	2 40	24 20	0 55	18 18	0 14	22 47	0 33	18 53	2 8	22 21	0 1	6 23	1 38	21 50	6 59	23 1	22 54	14 6	16 58	3 33	16 58
T 3	22 20	20 47	2 22	15 35	2 33	24 21	0 58	18 29	0 13	22 47	0 33	18 52	2 8	22 21	0 1	6 23	1 38	21 50	6 59	23 0	22 55	14 4	16 59	3 33	16 59
F 4	22 27	18 14	3 17	16 6	2 25	24 22	1 0	18 41	0 13	22 47	0 33	18 52	2 8	22 22	0 1	6 23	1 38	21 51	7 0	23 0	22 55	14 2	16 59	3 33	16 59
S 5	22 33	14 56	4 3	16 37	2 17	24 22	1 2	18 52	0 12	22 47	0 33	18 51	2 8	22 22	0 1	6 22	1 38	21 51	7 0	23 0	22 55	14 0	17 0	3 34	17 0
S 6	22 40	11 4	4 39	17 9	2 8	24 22	1 4	19 3	0 11	22 47	0 32	18 50	2 8	22 23	0 1	6 22	1 38	21 51	7 0	23 0	22 55	13 58	17 1	3 34	17 1
M 7	22 45	6 46	5 3	17 41	1 59	24 20	1 6	19 14	0 11	22 46	0 32	18 50	2 8	22 23	0 1	6 22	1 38	21 52	7 0	23 0	22 56	13 56	17 2	3 34	17 2
T 8	22 51	2 9	5 14	18 13	1 50	24 19	1 8	19 24	0 10	22 46	0 32	18 49	2 8	22 24	0 1	6 22	1 38	21 52	7 1	23 0	22 56	13 54	17 2	3 34	17 2
W 9	22 56	2s37	5 11	18 44	1 40	24 16	1 10	19 35	0 9	22 46	0 32	18 48	2 8	22 24	0 1	6 21	1 38	21 53	7 1	23 0	22 56	13 52	17 3	3 34	17 3
T 10	23 0	7 24	4 53	19 15	1 30	24 12	1 12	19 45	0 9	22 46	0 32	18 48	2 8	22 24	0 1	6 21	1 38	21 53	7 1	23 1	22 56	13 50	17 4	3 34	17 4
F 11	23 5	11 59	4 20	19 46	1 19	24 8	1 13	19 55	0 8	22 46	0 32	18 47	2 7	22 25	0 1	6 21	1 38	21 53	7 1	23 1	22 57	13 48	17 4	3 34	17 4
S 12	23 8	16 8	3 33	20 16	1 9	24 4	1 15	20 5	0 7	22 46	0 32	18 46	2 7	22 25	0 1	6 21	1 38	21 54	7 1	23 1	22 57	13 46	17 5	3 35	17 5
S 13	23 12	19 34	2 33	20 45	0 58	23 58	1 17	20 14	0 7	22 45	0 32	18 46	2 7	22 26	0 1	6 21	1 38	21 54	7 2	23 1	22 57	13 44	17 6	3 35	17 6
M14	23 15	21 57	1 22	21 14	0 47	23 52	1 19	20 24	0 6	22 45	0 32	18 45	2 7	22 26	0 1	6 20	1 38	21 55	7 2	23 1	22 57	13 42	17 6	3 35	17 6
T 15	23 17	23 0	0 5	21 41	0 36	23 45	1 20	20 33	0 5	22 45	0 31	18 44	2 7	22 27	0 1	6 20	1 38	21 55	7 2	23 1	22 58	13 40	17 7	3 35	17 7
W16	23 19	22 35	1s14	22 7	0 25	23 37	1 22	20 42	0 5	22 45	0 31	18 44	2 7	22 27	0 1	6 20	1 38	21 55	7 2	23 1	22 58	13 38	17 8	3 35	17 8
T 17	23 21	20 39	2 28	22 31	0 14	23 29	1 23	20 51	0 4	22 45	0 31	18 43	2 7	22 27	0 1	6 20	1 38	21 56	7 3	23 1	22 58	13 36	17 8	3 35	17 8
F 18	23 23	17 25	3 33	22 53	0 3	23 20	1 25	20 59	0 3	22 44	0 31	18 43	2 6	22 28	0 1	6 20	1 38	21 56	7 3	23 1	22 59	13 34	17 9	3 36	17 9
S 19	23 24	13 8	4 25	23 14	0n 8	23 11	1 26	21 8	0 2	22 44	0 31	18 42	2 6	22 28	0 1	6 20	1 38	21 57	7 3	23 1	22 59	13 32	17 9	3 36	17 9
S 20	23 24	8 8	4 59	23 32	0 19	23 0	1 28	21 16	0 2	22 44	0 31	18 41	2 6	22 29	0 1	6 20	1 38	21 57	7 3	23 1	22 59	13 30	17 10	3 36	17 10
M21	23 24	2 46	5 15	23 48	0 29	22 49	1 29	21 24	0 1	22 44	0 31	18 41	2 6	22 29	0 1	6 20	1 37	21 58	7 4	23 1	22 59	13 28	17 11	3 36	17 11
T 22	23 24	2n40	5 13	24 1	0 39	22 38	1 30	21 32	0 0	22 43	0 30	18 40	2 6	22 29	0 1	6 20	1 37	21 58	7 4	23 1	23 0	13 26	17 11	3 36	17 11
W23	23 23	7 54	4 52	24 12	0 48	22 26	1 31	21 39	0n 0	22 43	0 30	18 40	2 6	22 30	0 1	6 19	1 37	21 59	7 4	23 1	23 0	13 24	17 12	3 37	17 12
T 24	23 22	12 40	4 15	24 21	0 57	22 13	1 33	21 47	0 1	22 43	0 30	18 39	2 6	22 30	0 1	6 19	1 37	21 59	7 4	23 1	23 0	13 22	17 12	3 37	17 12
F 25	23 20	16 45	3 25	24 26	1 6	21 59	1 34	21 54	0 2	22 43	0 30	18 39	2 5	22 31	0 1	6 19	1 37	22 0	7 4	23 1	23 0	13 20	17 13	3 37	17 13
S 26	23 18	19 55	2 25	24 29	1 14	21 45	1 35	22 1	0 2	22 42	0 30	18 38	2 5	22 31	0 1	6 19	1 37	22 0	7 5	23 1	23 0	13 18	17 13	3 37	17 13
S 27	23 16	22 2	1 18	24 29	1 21	21 30	1 35	22 7	0 3	22 42	0 30	18 38	2 5	22 31	0 1	6 19	1 37	22 1	7 5	23 1	23 1	13 16	17 14	3 37	17 14
M28	23 13	22 59	0 9	24 26	1 27	21 15	1 36	22 14	0 4	22 42	0 30	18 37	2 5	22 32	0 1	6 19	1 37	22 1	7 5	23 1	23 1	13 14	17 14	3 38	17 14
T 29	23 10	22 46	1n 0	24 21	1 33	20 59	1 37	22 20	0 4	22 42	0 29	18 37	2 5	22 32	0 1	6 19	1 37	22 2	7 5	23 1	23 1	13 12	17 15	3 38	17 15
W30	23n 6	21n28	2n 4	24n12	1n38	20n43	1n38	22n26	0n 5	22s41	0n29	18s37	2n 4	22n33	0s 1	6s19	1n37	22s 2	7s 5	23n 1	23n 1	13n10	17n16	3s38	17n16

ASTRODIENST EPHEMERIS for the year 2280

geocentric

AUGUST 2280

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 40 23	9♌22°57	29♍12	6♊30	12♋53	5♈17	19°R32	1°R36	16♊34	20♌18	17°R43	9°R40	8♏20	9♍52	5♊15	S 1
M 2	20 44 19	10°20'20	11♌7	7°30	14°4	5°57	19♌29	1♌36	16°37	20°19	17♌42	9♏36	8°16	9°58	5°18	M 2
T 3	20 48 16	11°17'42	23°8	8°27	15°16	6°38	19°27	1°36	16°39	20°20	17°41	9°33	8°13	10°5	5°20	T 3
W 4	20 52 12	12°15'05	5♌21	9°21	16°27	7°18	19°25	1°36	16°42	20°21	17°39	9°32	8°10	10°12	5°23	W 4
T 5	20 56 9	13°12'29	17°50	10°12	17°38	7°58	19°23	1°D36	16°44	20°22	17°38	9°D32	8°7	10°18	5°25	T 5
F 6	21 0 6	14°9'53	0♌38	11°0	18°50	8°38	19°21	1°36	16°46	20°23	17°37	9°33	8°4	10°25	5°27	F 6
S 7	21 4 2	15°7'18	13°50	11°45	20°1	9°19	19°19	1°36	16°48	20°24	17°35	9°34	8°1	10°32	5°29	S 7
S 8	21 7 59	16°4'44	27°28	12°25	21°12	9°59	19°18	1°36	16°51	20°25	17°34	9°36	7°57	10°39	5°31	S 8
M 9	21 11 55	17°2'11	11♌34	13°2	22°23	10°39	19°16	1°37	16°53	20°27	17°32	9°R36	7°54	10°45	5°34	M 9
T 10	21 15 52	17°59'38	26°5	13°35	23°34	11°19	19°15	1°37	16°55	20°28	17°31	9°35	7°51	10°52	5°36	T 10
W11	21 19 48	18°57'06	10♌59	14°4	24°45	11°58	19°14	1°38	16°57	20°29	17°30	9°32	7°48	10°59	5°38	W11
T 12	21 23 45	19°54'34	26°7	14°29	25°56	12°38	19°14	1°38	16°59	20°30	17°28	9°28	7°45	11°5	5°39	T 12
F 13	21 27 41	20°52'04	11♌20	14°49	27°7	13°18	19°13	1°39	17°1	20°32	17°27	9°22	7°42	11°12	5°41	F 13
S 14	21 31 38	21°49'35	26°27	15°4	28°18	13°58	19°13	1°40	17°3	20°33	17°26	9°16	7°38	11°19	5°43	S 14
S 15	21 35 35	22°47'08	11♌19	15°14	29°29	14°37	19°12	1°41	17°5	20°34	17°24	9°10	7°35	11°25	5°45	S 15
M16	21 39 31	23°44'41	25°50	15°R19	0♌39	15°17	19°D12	1°42	17°7	20°36	17°23	9°6	7°32	11°32	5°47	M16
T 17	21 43 28	24°42'16	9♌54	15°19	1°50	15°56	19°13	1°43	17°8	20°37	17°22	9°3	7°29	11°39	5°48	T 17
W18	21 47 24	25°39'53	23°33	15°13	3°1	16°36	19°13	1°44	17°10	20°39	17°20	9°D2	7°26	11°46	5°50	W18
T 19	21 51 21	26°37'31	6♌46	15°2	4°11	17°15	19°13	1°46	17°12	20°40	17°19	9°2	7°22	11°52	5°51	T 19
F 20	21 55 17	27°35'11	19°38	14°46	5°22	17°54	19°14	1°47	17°14	20°41	17°18	9°3	7°19	11°59	5°53	F 20
S 21	21 59 14	28°32'52	2♌11	14°23	6°32	18°34	19°15	1°49	17°15	20°43	17°16	9°5	7°16	12°6	5°54	S 21
S 22	22 3 10	29°30'34	14°30	13°56	7°42	19°13	19°16	1°50	17°17	20°44	17°15	9°R5	7°13	12°12	5°55	S 22
M23	22 7 7	0♌28°19	26°38	13°23	8°53	19°52	19°17	1°52	17°18	20°46	17°14	9°3	7°10	12°19	5°57	M23
T 24	22 11 4	1°26'04	8♌38	12°45	10°3	20°31	19°19	1°54	17°20	20°48	17°12	8°59	7°7	12°26	5°58	T 24
W25	22 15 0	2°23'51	20°34	12°2	11°13	21°10	19°21	1°56	17°21	20°49	17°11	8°53	7°3	12°33	5°59	W25
T 26	22 18 57	3°21'40	2♌26	11°16	12°23	21°49	19°22	1°58	17°23	20°51	17°10	8°44	7°0	12°39	6°0	T 26
F 27	22 22 53	4°19'29	14°17	10°26	13°33	22°28	19°24	2°0	17°24	20°53	17°8	8°34	6°57	12°46	6°1	F 27
S 28	22 26 50	5°17'21	26°8	9°34	14°43	23°7	19°27	2°2	17°25	20°54	17°7	8°23	6°54	12°53	6°2	S 28
S 29	22 30 46	6°15'13	8♌2	8°40	15°53	23°46	19°29	2°4	17°27	20°56	17°6	8°12	6°51	12°59	6°3	S 29
M30	22 34 43	7°13'07	19°59	7°46	17°3	24°24	19°32	2°7	17°28	20°58	17°5	8°3	6°48	13°6	6°4	M30
T 31	22 38 39	8♌11°02	2♌3	6♌52	18♌13	25♈3	19♌34	2♌9	17♌29	20♌59	17♌3	7♏55	6♏44	13♍13	6♊5	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	17n53	5n 1	5n 7	8n11	1s 0	7n57	1n21	23n45	0n27	22s36	0n24	18s32	1n57	22n43	0s 1	6s27
M 2	17 37	0 24	5 12	7 38	1 12	7 28	1 19	23 44	0 28	22 36	0 24	18 32	1 57	22 43	0 1	6 27
T 3	17 22	4s16	5 4	7 6	1 23	6 59	1 17	23 43	0 29	22 36	0 23	18 32	1 57	22 43	0 1	6 27
W 4	17 6	8 52	4 41	6 35	1 35	6 29	1 15	23 42	0 30	22 36	0 23	18 33	1 57	22 43	0 1	6 28
T 5	16 50	13 11	4 5	6 5	1 47	6 0	1 13	23 40	0 30	22 36	0 23	18 33	1 56	22 44	0 1	6 28
F 6	16 33	17 3	3 16	5 35	1 59	5 30	1 10	23 38	0 31	22 36	0 23	18 33	1 56	22 44	0 1	6 29
S 7	16 17	20 11	2 16	5 8	2 11	5 0	1 8	23 36	0 32	22 36	0 23	18 33	1 56	22 44	0 1	6 29
S 8	16 0	22 17	1 6	4 41	2 23	4 30	1 6	23 34	0 32	22 36	0 22	18 34	1 56	22 44	0 1	6 30
M 9	15 42	23 5	0s11	4 16	2 35	3 59	1 4	23 32	0 33	22 36	0 22	18 34	1 55	22 45	0 1	6 30
T 10	15 25	22 21	1 28	3 52	2 47	3 29	1 1	23 29	0 34	22 36	0 22	18 34	1 55	22 45	0 1	6 31
W11	15 7	20 3	2 42	3 30	2 59	2 59	0 59	23 26	0 34	22 36	0 22	18 35	1 55	22 45	0 1	6 31
T 12	14 49	16 20	3 45	3 10	3 11	2 28	0 56	23 23	0 35	22 36	0 22	18 35	1 55	22 45	0 1	6 32
F 13	14 31	11 31	4 33	2 52	3 22	1 58	0 53	23 20	0 36	22 36	0 22	18 35	1 54	22 45	0 1	6 32
S 14	14 13	6 1	5 1	2 36	3 33	1 27	0 50	23 17	0 37	22 37	0 21	18 36	1 54	22 46	0 1	6 33
S 15	13 54	0 16	5 9	2 22	3 44	0 56	0 48	23 13	0 37	22 37	0 21	18 36	1 54	22 46	0 1	6 33
M16	13 35	5n22	4 56	2 11	3 54	0 25	0 45	23 9	0 38	22 37	0 21	18 37	1 54	22 46	0 1	6 34
T 17	13 16	10 33	4 26	2 2	4 3	0s 5	0 42	23 6	0 39	22 37	0 21	18 37	1 54	22 46	0 1	6 34
W18	12 57	15 4	3 41	1 56	4 12	0 36	0 39	23 2	0 39	22 37	0 21	18 38	1 53	22 46	0 1	6 35
T 19	12 37	18 41	2 45	1 53	4 20	1 7	0 36	22 57	0 40	22 38	0 20	18 38	1 53	22 46	0 1	6 36
F 20	12 18	21 17	1 43	1 53	4 27	1 38	0 33	22 53	0 41	22 38	0 20	18 39	1 53	22 47	0 1	6 36
S 21	11 58	22 46	0 37	1 56	4 33	2 8	0 29	22 48	0 42	22 38	0 20	18 39	1 53	22 47	0 1	6 37
S 22	11 38	23 6	0n29	2 2	4 38	2 39	0 26	22 43	0 42	22 38	0 20	18 40	1 52	22 47	0 1	6 37
M23	11 17	22 19	1 33	2 12	4 41	3 10	0 23	22 39	0 43	22 39	0 20	18 40	1 52	22 47	0 1	6 38
T 24	10 57	20 31	2 32	2 24	4 43	3 41	0 19	22 33	0 44	22 39	0 20	18 41	1 52	22 47	0 1	6 39
W25	10 36	17 50	3 24	2 40	4 43	4 11	0 16	22 28	0 44	22 39	0 19	18 42	1 52	22 47	0 1	6 39
T 26	10 16	14 25	4 6	2 59	4 41	4 42	0 12	22 23	0 45	22 40	0 19	18 42	1 51	22 48	0 1	6 40
F 27	9 55	10 27	4 38	3 21	4 38	5 12	0 9	22 17	0 46	22 40	0 19	18 43	1 51	22 48	0 1	6 41
S 28	9 33	6 5	4 57	3 46	4 33	5 43	0 5	22 11	0 46	22 40	0 19	18 43	1 51	22 48	0 1	6 41
S 29	9 12	1 29	5 4	4 12	4 25	6 13	0 2	22 6	0 47	22 41	0 19	18 44	1 51	22 48	0 1	6 42
M30	8 51	3s12	4 58	4 41	4 16	6 43	0s 2	21 59	0 48	22 41	0 19	18 45	1 50	22 48	0 1	6 43
T 31	8n29	7s49	4n38	5n11	4s 5	7s13	0s 6	21n53	0n49	22s41	0n18	18s46	1n50	22n48	0s 1	6s43

Julian Day Number = 2554025.5, Delta T = 264.79 sec
 Ecliptic obliquity = 23°24'09, Nutation = - 0°00'16, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 28°39'43, Lahiri = 27°46'44

ASTRODIENST EPHEMERIS for the year 2280
geocentric

SEPTEMBER 2280

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	22 42 36	9♍ 8'58	14♌16	6°R 0	19♌22	25♌41	19♌37	2♌12	17♌30	21♌1	17°R 2	7°R50	6♌41	13♍20	6♌5	W 1
T 2	22 46 32	10° 6'56	26°43	5♍11	20°32	26°20	19°40	2°14	17°31	21° 3	17° 1	7°47	6°38	13°26	6° 6	T 2
F 3	22 50 29	11° 4'55	9♌27	4°26	21°41	26°58	19°44	2°17	17°32	21° 5	17° 0	7°D46	6°35	13°33	6° 6	F 3
S 4	22 54 26	12° 2'56	22°32	3°46	22°51	27°37	19°47	2°20	17°33	21° 6	16°58	7°46	6°32	13°40	6° 7	S 4
S 5	22 58 22	13° 0'58	6♌2	3°12	24° 0	28°15	19°51	2°23	17°34	21° 8	16°57	7°R47	6°28	13°46	6° 7	S 5
M 6	23 2 19	13°59'01	20° 0	2°44	25° 9	28°53	19°54	2°26	17°35	21°10	16°56	7°46	6°25	13°53	6° 8	M 6
T 7	23 6 15	14°57'05	4♌25	2°24	26°18	29°32	19°58	2°29	17°36	21°12	16°55	7°44	6°22	14° 0	6° 8	T 7
W 8	23 10 12	15°55'11	19°16	2°12	27°27	0♌10	20° 3	2°32	17°37	21°14	16°54	7°39	6°19	14° 7	6° 8	W 8
T 9	23 14 8	16°53'19	4♌26	2°D 9	28°36	0°48	20° 7	2°35	17°37	21°16	16°53	7°31	6°16	14°13	6° 8	T 9
F 10	23 18 5	17°51'28	19°46	2°14	29°45	1°26	20°11	2°38	17°38	21°18	16°51	7°22	6°13	14°20	6° 8	F 10
S 11	23 22 1	18°49'38	5♌3	2°28	0♌54	2° 4	20°16	2°42	17°39	21°20	16°50	7°12	6° 9	14°27	6°R 8	S 11
S 12	23 25 58	19°47'51	20° 8	2°50	2° 2	2°41	20°21	2°45	17°39	21°22	16°49	7° 2	6° 6	14°33	6° 8	S 12
M13	23 29 55	20°46'05	4♌51	3°22	3°11	3°19	20°26	2°49	17°40	21°24	16°48	6°54	6° 3	14°40	6° 8	M13
T 14	23 33 51	21°44'22	19° 6	4° 1	4°19	3°57	20°31	2°52	17°40	21°26	16°47	6°48	6° 0	14°47	6° 8	T 14
W15	23 37 48	22°42'40	2♌51	4°50	5°28	4°34	20°36	2°56	17°41	21°28	16°46	6°45	5°57	14°53	6° 8	W15
T 16	23 41 44	23°41'01	16° 8	5°45	6°36	5°12	20°42	3° 0	17°41	21°30	16°45	6°43	5°54	15° 0	6° 8	T 16
F 17	23 45 41	24°39'24	28°59	6°48	7°44	5°50	20°47	3° 4	17°41	21°32	16°44	6°D43	5°50	15° 7	6° 7	F 17
S 18	23 49 37	25°37'49	11♌28	7°58	8°52	6°27	20°53	3° 8	17°42	21°34	16°43	6°R43	5°47	15°14	6° 7	S 18
S 19	23 53 34	26°36'16	23°42	9°15	10° 0	7° 4	20°59	3°12	17°42	21°36	16°42	6°42	5°44	15°20	6° 6	S 19
M20	23 57 30	27°34'45	5♌43	10°36	11° 8	7°42	21° 5	3°16	17°42	21°38	16°41	6°39	5°41	15°27	6° 6	M20
T 21	0 1 27	28°33'16	17°38	12° 3	12°15	8°19	21°11	3°20	17°42	21°40	16°40	6°33	5°38	15°34	6° 5	T 21
W22	0 5 24	29°31'49	29°29	13°35	13°23	8°56	21°17	3°25	17°42	21°42	16°39	6°25	5°34	15°40	6° 4	W22
T 23	0 9 20	0♌30'24	11♍20	15°10	14°30	9°33	21°24	3°29	17°R42	21°44	16°38	6°13	5°31	15°47	6° 4	T 23
F 24	0 13 17	1°29'01	23°12	16°49	15°38	10°10	21°31	3°33	17°42	21°46	16°37	6° 0	5°28	15°54	6° 3	F 24
S 25	0 17 13	2°27'40	5♌6	18°30	16°45	10°47	21°37	3°38	17°42	21°48	16°36	5°46	5°25	16° 1	6° 2	S 25
S 26	0 21 10	3°26'21	17° 6	20°14	17°52	11°24	21°44	3°42	17°42	21°50	16°36	5°31	5°22	16° 7	6° 1	S 26
M27	0 25 6	4°25'04	29°10	22° 0	18°59	12° 1	21°52	3°47	17°42	21°53	16°35	5°19	5°19	16°14	6° 0	M27
T 28	0 29 3	5°23'49	11♌22	23°47	20° 5	12°37	21°59	3°52	17°41	21°55	16°34	5° 8	5°15	16°21	5°59	T 28
W29	0 32 59	6°22'35	23°42	25°35	21°12	13°14	22° 6	3°57	17°41	21°57	16°33	5° 0	5°12	16°27	5°58	W29
T 30	0 36 56	7♌21'24	6♌13	27♍23	22♌18	13♌51	22♌14	4♌1	17♌41	21♌59	16♌32	4♌55	5♌9	16♍34	5♌56	T 30

Day	☉			☽			♀			♂			♂			♂			♂			♂			♂			♂			♂			♂			♂			♂		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat					
W 1	8n 8	12s11	4n 5	5n42	3s52	7s43	0s10	21n47	0n49	22s42	0n18	18s46	1n50	22n48	0s 1	6s44	1n34	22s33	7s12	23n10	23n14	10n54	17n24	3s57																		
T 2	7 46	16 8	3 21	6 13	3 38	8 13	0 14	21 40	0 50	22 42	0 18	18 47	1 50	22 48	0 1	6 45	1 34	22 34	7 12	23 10	23 14	10 52	17 24	3 57																		
F 3	7 24	19 27	2 25	6 44	3 22	8 43	0 17	21 34	0 51	22 43	0 18	18 48	1 50	22 49	0 1	6 45	1 34	22 34	7 12	23 11	23 14	10 50	17 23	3 58																		
S 4	7 2	21 51	1 20	7 14	3 6	9 12	0 21	21 27	0 51	22 43	0 18	18 49	1 49	22 49	0 1	6 46	1 34	22 34	7 12	23 10	23 15	10 48	17 23	3 58																		
S 5	6 40	23 7	0 9	7 42	2 48	9 41	0 25	21 20	0 52	22 43	0 18	18 49	1 49	22 49	0 1	6 47	1 34	22 35	7 12	23 10	23 15	10 45	17 23	3 58																		
M 6	6 17	22 59	1s 5	8 9	2 29	10 10	0 29	21 13	0 53	22 44	0 17	18 50	1 49	22 49	0 1	6 47	1 34	22 35	7 12	23 11	23 15	10 43	17 23	3 59																		
T 7	5 55	21 20	2 17	8 34	2 11	10 39	0 33	21 6	0 54	22 44	0 17	18 51	1 49	22 49	0 1	6 48	1 34	22 35	7 12	23 11	23 15	10 41	17 22	3 59																		
W 8	5 33	18 12	3 21	8 56	1 51	11 8	0 37	20 58	0 54	22 45	0 17	18 52	1 48	22 49	0 1	6 49	1 34	22 36	7 12	23 11	23 15	10 38	17 22	4 0																		
T 9	5 10	13 48	4 13	9 15	1 32	11 36	0 41	20 51	0 55	22 45	0 17	18 53	1 48	22 49	0 1	6 50	1 34	22 36	7 12	23 11	23 15	10 36	17 22	4 0																		
F 10	4 48	8 28	4 48	9 31	1 13	12 5	0 46	20 43	0 56	22 46	0 17	18 53	1 48	22 49	0 1	6 50	1 34	22 36	7 12	23 12	23 15	10 34	17 21	4 0																		
S 11	4 25	2 37	5 2	9 44	0 55	12 33	0 50	20 35	0 56	22 46	0 17	18 54	1 48	22 49	0 1	6 51	1 34	22 37	7 12	23 12	23 16	10 31	17 21	4 1																		
S 12	4 2	3n19	4 54	9 52	0 37	13 0	0 54	20 27	0 57	22 47	0 16	18 55	1 48	22 49	0 1	6 52	1 34	22 37	7 11	23 13	23 16	10 29	17 21	4 1																		
M13	3 39	8 55	4 27	9 57	0 20	13 55	0 58	20 19	0 58	22 47	0 16	18 56	1 47	22 49	0 1	6 53	1 34	22 37	7 11	23 13	23 16	10 27	17 20	4 1																		
T 14	3 16	13 53	3 44	9 58	0 4	13 55	1 2	20 11	0 59	22 48	0 16	18 57	1 47	22 49	0 1	6 53	1 34	22 38	7 11	23 14	23 16	10 25	17 20	4 2																		
W15	2 53	17 56	2 49	9 55	0n12	14 22	1 6	20 3	0 59	22 48	0 16	18 58	1 47	22 49	0 1	6 54	1 34	22 38	7 11	23 14	23 16	10 22	17 19	4 2																		
T 16	2 30	20 55	1 47	9 48	0 26	14 49	1 11	19 55	1 0	22 49	0 16	18 59	1 47	22 49	0 1	6 55	1 34	22 38	7 11	23 14	23 16	10 20	17 19	4 2																		
F 17	2 7	22 43	0 41	9 37	0 40	15 15	1 15	19 46	1 1	22 49	0 16	19 0	1 46	22 49	0 1	6 56	1 34	22 38	7 11	23 14	23 16	10 18	17 19	4 3																		
S 18	1 44	23 20	0n25	9 22	0 52	15 41	1 19	19 37	1 2	22 50	0 15	19 1	1 46	22 50	0 1	6 56	1 34	22 39	7 11	23 14	23 17	10 15	17 18	4 3																		
S 19	1 21	22 47	1 29	9 4	1 3	16 7	1 23	19 29	1 2	22 51	0 15	19 2	1 46	22 50	0 1	6 57	1 34	22 39	7 11	23 14	23 17	10 13	17 18	4 3																		
M20	0 58	21 11	2 27	8 42	1 12	16 32	1 28	19 20	1 3	22 51	0 15	19 3	1 46	22 50	0 0	6 58	1 34	22 39	7 11	23 14	23 17	10 11	17 17	4 4																		
T 21	0 34	18 40	3 18	8 17	1 21	16 57	1 32	19 11	1 4	22 52	0 15	19 4	1 46	22 50	0 0	6 59	1 34	22 39	7 11	23 14	23 17	10 8	17 17	4 4																		
W22	0 11	15 23	4 0	7 49	1 29	17 22	1 36	19 2	1 4	22 52	0 15	19 5	1 45	22 50	0 0	7 0	1 34	22 40	7 11	23 15	23 17	10 6	17 16	4 5																		
T 23	0s12	11 30	4 32	7 18	1 35	17 46	1 40	18 53	1 5	22 53	0 15	19 6	1 45	22 50	0 0	7 0	1 34	22 40	7 11	23 15	23 17	10 4	17 16	4 5																		
F 24	0 35	7 10	4 52	6 44	1 40	18 10	1 45	18 44	1 6	22 53	0 15	19 7	1 45	22 50	0 0	7 1	1 34	22 40	7 11	23 16	23 17	10 1	17 15	4 5																		
S 25	0 59	2 33	4 59	6 8	1 44	18 33	1 49	18 34	1 7	22 54	0 14	19 8	1 45	22 50	0 0	7 2	1 34	22 40	7 11	23 17	23 18	9 59	17 15	4 6																		
S 26	1 22	2s11	4 53	5 31	1 48	18 56	1 53	18 25	1 7	22 55	0 14	19 9	1 45	22 50	0 0	7 3	1 34	22 40	7 11	23 17	23 18	9 57	17 14	4 6																		
M27	1 45	6 53	4 34	4 51	1 50	19 19	1 57	18 15	1 8	22 55	0 14	19 10	1 44	22 50	0 0	7 4	1 34	22 41	7 11	23 18	23 18	9 54	17 14	4 6																		
T 28	2 8	11 22	4 2	4 10	1 51	19 41	2 2	18 6	1 9	22 56	0 14	19 11	1 44	22 50	0 0	7 4	1 34	22 41	7 10	23 18	23 18	9 52	17 13	4 7																		
W29	2 32	15 27	3 19	3 28	1 52	20 3	2 6	17 56	1 10	22 56	0 14	19 12	1 44	22 50	0 0	7 5	1 34	22 41	7 10	23 18	23 18	9 50	17 13	4 7																		
T 30	2s55	18s56	2n25	2n44	1n51	20s25	2s10	17n46	1n10	22s57	0n14	19s13	1n44	22n50	0s 0	7s 6	1n34	22s41	7s10	23n19	23n18	9n47	17n12	4s 7																		

Julian Day Number = 2554056.5, Delta T = 264.93 sec
E

ASTRODIENST EPHEMERIS for the year 2280
geocentric

OCTOBER 2280

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	0 40 52	8♂20'14	18♂59	29♂13	23♂25	14♂27	22♂21	4♂ 6	17°R40	22♂ 1	16°R32	4°R53	5♂ 6	16♂41	5°R55	F 1
S 2	0 44 49	9°19'06	2♂ 2	1♂ 2	24°31	15° 4	22°29	4°11	17II40	22° 3	16♂31	4♂53	5° 3	16°48	5II54	S 2
S 3	0 48 46	10°17'59	15°26	2°51	25°37	15°40	22°37	4°16	17°39	22° 6	16°30	4°53	4°59	16°54	5°52	S 3
M 4	0 52 42	11°16'55	29°13	4°41	26°42	16°16	22°45	4°22	17°39	22° 8	16°30	4°52	4°56	17° 1	5°51	M 4
T 5	0 56 39	12°15'52	13♂25	6°30	27°48	16°52	22°53	4°27	17°38	22°10	16°29	4°49	4°53	17° 8	5°49	T 5
W 6	1 0 35	13°14'50	28° 2	8°18	28°53	17°28	23° 2	4°32	17°37	22°12	16°28	4°44	4°50	17°14	5°48	W 6
T 7	1 4 32	14°13'51	12♂58	10° 6	29°59	18° 4	23°10	4°37	17°37	22°14	16°28	4°36	4°47	17°21	5°46	T 7
F 8	1 8 28	15°12'53	28° 7	11°54	1♂ 4	18°40	23°19	4°43	17°36	22°17	16°27	4°26	4°44	17°28	5°44	F 8
S 9	1 12 25	16°11'57	13♂18	13°41	2° 8	19°16	23°27	4°48	17°35	22°19	16°27	4°15	4°40	17°35	5°43	S 9
S 10	1 16 21	17°11'03	28°22	15°27	3°13	19°52	23°36	4°54	17°34	22°21	16°26	4° 4	4°37	17°41	5°41	S 10
M11	1 20 18	18°10'11	13♂ 7	17°12	4°17	20°27	23°45	4°59	17°33	22°23	16°26	3°55	4°34	17°48	5°39	M11
T 12	1 24 15	19° 9'22	27°27	18°57	5°21	21° 3	23°54	5° 5	17°32	22°26	16°25	3°48	4°31	17°55	5°37	T 12
W13	1 28 11	20° 8'35	11II19	20°41	6°25	21°38	24° 4	5°10	17°31	22°28	16°25	3°44	4°28	18° 2	5°35	W13
T 14	1 32 8	21° 7'50	24°41	22°24	7°29	22°14	24°13	5°16	17°30	22°30	16°24	3°42	4°25	18° 8	5°33	T 14
F 15	1 36 4	22° 7'07	7♂37	24° 7	8°32	22°49	24°22	5°22	17°29	22°32	16°24	3°D42	4°21	18°15	5°31	F 15
S 16	1 40 1	23° 6'27	20° 9	25°48	9°36	23°24	24°32	5°28	17°28	22°34	16°23	3°R42	4°18	18°22	5°29	S 16
S 17	1 43 57	24° 5'49	2♂23	27°29	10°38	24° 0	24°41	5°34	17°27	22°37	16°23	3°42	4°15	18°28	5°27	S 17
M18	1 47 54	25° 5'13	14°25	29°10	11°41	24°35	24°51	5°39	17°26	22°39	16°23	3°40	4°12	18°35	5°24	M18
T 19	1 51 50	26° 4'39	26°18	0♂49	12°43	25°10	25° 1	5°45	17°24	22°41	16°22	3°36	4° 9	18°42	5°22	T 19
W20	1 55 47	27° 4'08	8♂ 9	2°28	13°46	25°44	25°11	5°51	17°23	22°43	16°22	3°29	4° 5	18°49	5°20	W20
T 21	1 59 44	28° 3'39	20° 0	4° 6	14°47	26°19	25°21	5°58	17°22	22°46	16°22	3°20	4° 2	18°55	5°17	T 21
F 22	2 3 40	29° 3'12	1♂54	5°44	15°49	26°54	25°31	6° 4	17°20	22°48	16°22	3° 9	3°59	19° 2	5°15	F 22
S 23	2 7 37	0♂ 2'47	13°55	7°21	16°50	27°28	25°42	6°10	17°19	22°50	16°21	2°56	3°56	19° 9	5°12	S 23
S 24	2 11 33	1° 2'24	26° 3	8°57	17°51	28° 3	25°52	6°16	17°17	22°52	16°21	2°44	3°53	19°15	5°10	S 24
M25	2 15 30	2° 2'03	8♂19	10°33	18°52	28°37	26° 2	6°22	17°16	22°55	16°21	2°33	3°50	19°22	5° 7	M25
T 26	2 19 26	3° 1'45	20°44	12° 8	19°52	29°11	26°13	6°29	17°14	22°57	16°21	2°24	3°46	19°29	5° 4	T 26
W27	2 23 23	4° 1'28	3♂19	13°42	20°52	29°46	26°24	6°35	17°13	22°59	16°21	2°18	3°43	19°36	5° 2	W27
T 28	2 27 19	5° 1'13	16° 4	15°16	21°51	0♂20	26°34	6°41	17°11	23° 1	16°21	2°14	3°40	19°42	4°59	T 28
F 29	2 31 16	6° 1'00	29° 1	16°50	22°50	0°54	26°45	6°48	17° 9	23° 3	16°D21	2°D13	3°37	19°49	4°56	F 29
S 30	2 35 13	7° 0'48	12♂12	18°22	23°49	1°27	26°56	6°54	17° 8	23° 6	16°21	2°13	3°34	19°56	4°54	S 30
S 31	2 39 9	8♂ 0'39	25♂38	19♂55	24♂47	2♂ 1	27♂ 7	7♂ 1	17II 6	23♂ 8	16♂21	2♂14	3♂31	20♂ 2	4II51	S 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
F 1	3s18	21s34	1n23	2n 0	1n50	20s46	2s14	17n36	1n11	22s57	0n14	19s14	1n44	22n50	0s 0	7s 7
S 2	3 41	23 8	0 15	1 15	1 49	21 6	2 18	17 26	1 12	22 58	0 13	19 15	1 43	22 49	0 0	7 8
S 3	4 4	23 26	0s55	0 30	1 47	21 26	2 22	17 16	1 13	22 59	0 13	19 16	1 43	22 49	0 0	7 8
M 4	4 27	22 19	2 5	0s16	1 44	21 46	2 26	17 6	1 13	22 59	0 13	19 18	1 43	22 49	0 0	7 9
T 5	4 50	19 47	3 9	1 2	1 41	22 5	2 30	16 56	1 14	23 0	0 13	19 19	1 43	22 49	0 0	7 10
W 6	5 13	15 55	4 2	1 48	1 37	22 23	2 34	16 46	1 15	23 0	0 13	19 20	1 43	22 49	0 0	7 11
T 7	5 36	10 59	4 40	2 35	1 33	22 41	2 38	16 35	1 15	23 1	0 13	19 21	1 43	22 49	0 0	7 12
F 8	5 59	5 19	4 59	3 21	1 28	22 59	2 42	16 25	1 16	23 1	0 13	19 22	1 42	22 49	0 0	7 13
S 9	6 22	0n41	4 57	4 7	1 23	23 16	2 46	16 14	1 17	23 2	0 12	19 23	1 42	22 49	0 0	7 13
S 10	6 44	6 36	4 34	4 52	1 18	23 32	2 50	16 4	1 18	23 3	0 12	19 24	1 42	22 49	0 0	7 14
M11	7 7	12 2	3 54	5 38	1 13	23 48	2 53	15 53	1 19	23 3	0 12	19 25	1 42	22 49	0 0	7 15
T 12	7 29	16 39	2 59	6 23	1 7	24 4	2 57	15 43	1 19	23 4	0 12	19 27	1 42	22 49	0 0	7 16
W13	7 52	20 12	1 56	7 7	1 1	24 19	3 0	15 32	1 20	23 4	0 12	19 28	1 42	22 49	0 0	7 17
T 14	8 14	22 30	0 48	7 51	0 55	24 33	3 4	15 21	1 21	23 5	0 12	19 29	1 41	22 49	0 0	7 18
F 15	8 36	23 32	0n21	8 35	0 49	24 47	3 7	15 10	1 22	23 5	0 12	19 30	1 41	22 49	0 0	7 18
S 16	8 58	23 19	1 26	9 18	0 42	25 0	3 11	15 0	1 22	23 6	0 12	19 31	1 41	22 49	0 0	7 19
S 17	9 20	21 58	2 26	10 0	0 36	25 12	3 14	14 49	1 23	23 6	0 11	19 32	1 41	22 48	0 0	7 20
M18	9 42	19 39	3 18	10 42	0 29	25 24	3 17	14 38	1 24	23 7	0 11	19 34	1 41	22 48	0 0	7 21
T 19	10 3	16 31	4 1	11 23	0 23	25 36	3 20	14 27	1 25	23 7	0 11	19 35	1 41	22 48	0 0	7 22
W20	10 25	12 44	4 34	12 4	0 16	25 47	3 23	14 16	1 25	23 8	0 11	19 36	1 41	22 48	0 0	7 22
T 21	10 46	8 28	4 54	12 43	0 9	25 57	3 26	14 5	1 26	23 8	0 11	19 37	1 40	22 48	0 0	7 23
F 22	11 7	3 52	5 2	13 23	0 2	26 7	3 29	13 53	1 27	23 9	0 11	19 38	1 40	22 48	0 0	7 24
S 23	11 28	0s55	4 57	14 1	0s 5	26 16	3 32	13 42	1 28	23 9	0 11	19 40	1 40	22 48	0 0	7 25
S 24	11 49	5 43	4 38	14 38	0 11	26 24	3 34	13 31	1 29	23 10	0 11	19 41	1 40	22 48	0 0	7 26
M25	12 10	10 22	4 6	15 15	0 18	26 32	3 37	13 20	1 29	23 10	0 10	19 42	1 40	22 47	0 0	7 27
T 26	12 30	14 39	3 23	15 51	0 25	26 40	3 39	13 9	1 30	23 11	0 10	19 43	1 40	22 47	0 0	7 27
W27	12 50	18 22	2 28	16 26	0 32	26 46	3 42	12 57	1 31	23 11	0 10	19 44	1 40	22 47	0 0	7 28
T 28	13 11	21 16	1 25	17 0	0 39	26 53	3 44	12 46	1 32	23 11	0 10	19 46	1 39	22 47	0 0	7 29
F 29	13 30	23 7	0 17	17 34	0 45	26 58	3 46	12 35	1 33	23 12	0 10	19 47	1 39	22 47	0 0	7 30
S 30	13 50	23 44	0s53	18 6	0 52	27 3	3 48	12 24	1 33	23 12	0 10	19 48	1 39	22 47	0 0	7 31
S 31	14s 9	22s59	2s 2	18s38	0s58	27s 7	3s50	12n12	1n34	23s13	0n10	19s49	1n39	22n47	0s 0	7s31

Julian Day Number = 2554086.5, Delta T = 265.06 sec
Ecliptic obliquity = 23°24'10, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 28°39'52, Lahiri = 27°46'52

ASTRODIENST EPHEMERIS for the year 2280
geocentric

NOVEMBER 2280

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	2 43 6	9♉ 0'31	9♉22	21♊27	25♋45	2♈35	27♏19	7♌ 7	17°R 4	23♎10	16♏21	2°R14	3♊27	20♈ 9	4°R48	M 1
T 2	2 47 2	10° 0'24	23°24	22°58	26°42	3° 8	27°30	7°14	17II 2	23°12	16°21	2♊14	3°24	20°16	4II45	T 2
W 3	2 50 59	11° 0'19	7♋43	24°29	27°39	3°42	27°41	7°20	17° 0	23°14	16°21	2°11	3°21	20°23	4°42	W 3
T 4	2 54 55	12° 0'16	22°18	25°59	28°35	4°15	27°52	7°27	16°58	23°16	16°21	2° 6	3°18	20°29	4°39	T 4
F 5	2 58 52	13° 0'14	7♏ 3	27°29	29°31	4°48	28° 4	7°34	16°56	23°19	16°22	1°59	3°15	20°36	4°36	F 5
S 6	3 2 48	14° 0'14	21°53	28°58	0♊26	5°21	28°16	7°40	16°54	23°21	16°22	1°51	3°11	20°43	4°33	S 6
S 7	3 6 45	15° 0'16	6♊37	0♊27	1°21	5°54	28°27	7°47	16°52	23°23	16°22	1°44	3° 8	20°49	4°30	S 7
M 8	3 10 42	16° 0'19	21°10	1°55	2°15	6°27	28°39	7°54	16°50	23°25	16°22	1°37	3° 5	20°56	4°27	M 8
T 9	3 14 38	17° 0'25	5II23	3°22	3° 8	6°59	28°51	8° 1	16°48	23°27	16°22	1°33	3° 2	21° 3	4°24	T 9
W10	3 18 35	18° 0'32	19°13	4°50	4° 1	7°32	29° 3	8° 7	16°46	23°29	16°23	1°30	2°59	21°10	4°21	W10
T 11	3 22 31	19° 0'42	2♊37	6°16	4°54	8° 4	29°14	8°14	16°44	23°31	16°23	1°D29	2°56	21°16	4°17	T 11
F 12	3 26 28	20° 0'53	15°36	7°42	5°45	8°37	29°26	8°21	16°42	23°33	16°23	1°30	2°52	21°23	4°14	F 12
S 13	3 30 24	21° 1'06	28°12	9° 7	6°36	9° 9	29°39	8°28	16°40	23°35	16°24	1°32	2°49	21°30	4°11	S 13
S 14	3 34 21	22° 1'22	10♊30	10°32	7°26	9°41	29°51	8°35	16°37	23°37	16°24	1°33	2°46	21°37	4° 8	S 14
M15	3 38 17	23° 1'39	22°35	11°56	8°15	10°13	0♊ 3	8°42	16°35	23°39	16°25	1°R34	2°43	21°43	4° 4	M15
T 16	3 42 14	24° 1'58	4♈30	13°19	9° 4	10°44	0°15	8°49	16°33	23°41	16°25	1°33	2°40	21°50	4° 1	T 16
W17	3 46 11	25° 2'19	16°22	14°41	9°52	11°16	0°28	8°56	16°31	23°43	16°26	1°31	2°36	21°57	3°58	W17
T 18	3 50 7	26° 2'42	28°14	16° 2	10°39	11°47	0°40	9° 3	16°28	23°45	16°26	1°27	2°33	22° 3	3°55	T 18
F 19	3 54 4	27° 3'07	10♋12	17°22	11°25	12°19	0°52	9°10	16°26	23°47	16°27	1°22	2°30	22°10	3°51	F 19
S 20	3 58 0	28° 3'34	22°17	18°40	12°10	12°50	1° 5	9°17	16°24	23°49	16°27	1°15	2°27	22°17	3°48	S 20
S 21	4 1 57	29° 4'02	4♉33	19°58	12°54	13°21	1°18	9°24	16°21	23°51	16°28	1° 9	2°24	22°24	3°45	S 21
M22	4 5 53	0♊ 4'32	17° 1	21°14	13°37	13°52	1°30	9°31	16°19	23°53	16°29	1° 4	2°21	22°30	3°41	M22
T 23	4 9 50	1° 5'04	29°43	22°27	14°19	14°22	1°43	9°38	16°16	23°55	16°29	0°59	2°17	22°37	3°38	T 23
W24	4 13 46	2° 5'38	12♊37	23°39	15° 0	14°53	1°56	9°45	16°14	23°57	16°30	0°57	2°14	22°44	3°35	W24
T 25	4 17 43	3° 6'13	25°44	24°49	15°40	15°23	2° 9	9°52	16°11	23°58	16°31	0°D55	2°11	22°50	3°31	T 25
F 26	4 21 40	4° 6'49	9♊ 4	25°56	16°18	15°53	2°21	9°59	16° 9	24° 0	16°31	0°55	2° 8	22°57	3°28	F 26
S 27	4 25 36	5° 7'26	22°35	27° 0	16°56	16°23	2°34	10° 6	16° 7	24° 2	16°32	0°57	2° 5	23° 4	3°25	S 27
S 28	4 29 33	6° 8'05	6♋17	28° 1	17°32	16°53	2°47	10°13	16° 4	24° 4	16°33	0°58	2° 2	23°11	3°21	S 28
M29	4 33 29	7° 8'45	20° 9	28°58	18° 6	17°23	3° 0	10°20	16° 2	24° 6	16°34	1° 0	1°58	23°17	3°18	M29
T 30	4 37 26	8♊ 9'26	4♈11	29♊50	18♊40	17♈52	3♊13	10♊27	15II59	24♎ 7	16♏35	1°R 0	1♊55	23♈24	3II15	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	14s29	20s52	3s 6	19s 8	1s 5	27s11	3s51	12n 1	1n35	23s13	0n10	19s50	1n39	22n46	0s 0	7s32	1n34	22s41	7s 7	23n23	23n21	8n30	16n51	4s17	
T 2	14 48	17 28	4 0	19 38	1 11	27 14	3 53	11 50	1 36	23 13	0 9	19 52	1 39	22 46	0 0	7 33	1 34	22 41	7 7	23 23	23 22	8 27	16 50	4 17	
W 3	15 6	12 59	4 40	20 7	1 17	27 17	3 54	11 38	1 37	23 14	0 9	19 53	1 39	22 46	0 0	7 34	1 34	22 41	7 7	23 23	23 22	8 25	16 50	4 17	
T 4	15 25	7 41	5 2	20 34	1 24	27 19	3 55	11 27	1 37	23 14	0 9	19 54	1 39	22 46	0 0	7 34	1 34	22 41	7 6	23 23	23 22	8 23	16 49	4 17	
F 5	15 43	1 53	5 6	21 1	1 30	27 20	3 56	11 16	1 38	23 14	0 9	19 55	1 38	22 46	0 0	7 35	1 34	22 41	7 6	23 23	23 22	8 20	16 48	4 18	
S 6	16 1	4n 3	4 49	21 27	1 35	27 21	3 57	11 4	1 39	23 14	0 9	19 56	1 38	22 46	0 0	7 36	1 34	22 40	7 6	23 23	23 22	8 18	16 47	4 18	
S 7	16 19	9 44	4 12	21 51	1 41	27 22	3 58	10 53	1 40	23 15	0 9	19 57	1 38	22 45	0 0	7 37	1 34	22 40	7 6	23 23	23 22	8 15	16 47	4 18	
M 8	16 36	14 48	3 20	22 15	1 46	27 21	3 58	10 42	1 41	23 15	0 9	19 59	1 38	22 45	0 0	7 37	1 34	22 40	7 6	23 24	23 22	8 13	16 46	4 18	
T 9	16 53	18 56	2 16	22 37	1 52	27 21	3 59	10 30	1 42	23 15	0 9	20 0	1 38	22 45	0 0	7 38	1 34	22 40	7 6	23 24	23 22	8 10	16 45	4 18	
W10	17 10	21 52	1 6	22 59	1 57	27 19	3 59	10 19	1 42	23 15	0 9	20 1	1 38	22 45	0 0	7 39	1 34	22 40	7 6	23 24	23 22	8 8	16 44	4 19	
T 11	17 27	23 29	0n 6	23 19	2 2	27 18	3 59	10 8	1 43	23 16	0 8	20 2	1 38	22 45	0n 0	7 40	1 34	22 39	7 5	23 24	23 22	8 5	16 44	4 19	
F 12	17 43	23 45	1 16	23 38	2 6	27 15	3 59	9 56	1 44	23 16	0 8	20 3	1 38	22 44	0 0	7 40	1 34	22 39	7 5	23 24	23 22	8 3	16 43	4 19	
S 13	17 59	22 46	2 20	23 56	2 10	27 12	3 58	9 45	1 45	23 16	0 8	20 5	1 38	22 44	0 0	7 41	1 34	22 39	7 5	23 24	23 22	8 0	16 42	4 19	
S 14	18 15	20 43	3 16	24 13	2 15	27 9	3 58	9 34	1 46	23 16	0 8	20 6	1 38	22 44	0 0	7 42	1 34	22 39	7 5	23 24	23 22	7 58	16 41	4 19	
M15	18 30	17 47	4 2	24 28	2 18	27 5	3 57	9 22	1 47	23 16	0 8	20 7	1 37	22 44	0 0	7 43	1 34	22 38	7 5	23 24	23 22	7 55	16 41	4 19	
T 16	18 45	14 9	4 37	24 42	2 22	27 1	3 56	9 11	1 48	23 16	0 8	20 8	1 37	22 43	0 0	7 43	1 34	22 38	7 5	23 24	23 23	7 53	16 40	4 20	
W17	19 0	9 59	5 0	24 55	2 25	26 56	3 54	9 0	1 48	23 16	0 8	20 9	1 37	22 43	0 0	7 44	1 34	22 38	7 5	23 24	23 23	7 50	16 39	4 20	
T 18	19 14	5 27	5 10	25 7	2 28	26 51	3 53	8 49	1 49	23 16	0 8	20 10	1 37	22 43	0 0	7 45	1 34	22 38	7 5	23 24	23 23	7 48	16 38	4 20	
F 19	19 28	0 41	5 7	25 17	2 30	26 45	3 51	8 38	1 50	23 16	0 8	20 11	1 37	22 43	0 0	7 45	1 34	22 37	7 4	23 24	23 23	7 45	16 38	4 20	
S 20	19 42	4s10	4 50	25 26	2 32	26 39	3 49	8 27	1 51	23 16	0 7	20 13	1 37	22 43	0 0	7 46	1 34	22 37	7 4	23 24	23 23	7 43	16 37	4 20	
S 21	19 55	8 56	4 20	25 34	2 33	26 32	3 47	8 16	1 52	23 16	0 7	20 14	1 37	22 42	0 0	7 47	1 34	22 37	7 4	23 24	23 23	7 40	16 36	4 20	
M22	20 8	13 25	3 37	25 41	2 34	26 25	3 44	8 5	1 53	23 16	0 7	20 15	1 37	22 42	0 0	7 47	1 34	22 36	7 4	23 24	23 23	7 38	16 36	4 20	
T 23	20 21	17 25	2 42	25 46	2 34	26 18	3 41	7 54	1 54	23 16	0 7	20 16	1 37	22 42	0 0	7 48	1 35	22 36	7 4	23 24	23 23	7 35	16 35	4 21	
W24	20 33	20 39	1 39	25 49	2 34	26 10	3 38	7 43	1 55	23 16	0 7	20 17	1 37	22 42	0 0	7 49	1 35	22 36	7 4	23 24	23 23	7 33	16 34	4 21	
T 25	20 45	22 52	0 28	25 51	2 33	26 2	3 35	7 32	1 56	23 16	0 7	20 18	1 37	22 41	0 0	7 49	1 35	22 35	7 4	23 24	23 23	7 30	16 33	4 21	
F 26	20 56	23 50	0s45	25 52	2 32	25 54	3 31	7 21	1 57	23 16	0 7	20 19	1 37	22 41	0 0	7 50	1 35	22 35	7 4	23 24	23 23	7 27	16 33	4 21	
S 27	21 7	23 25	1 56	25 52	2 30	25 45	3 27	7 10	1 57	23 16	0 7	20 20	1 37	22 41	0 0	7 51	1 35	22 35	7 4	23 24	23 23	7 25	16 32	4 21	
S 28	21 18	21 37	3 2	25 50	2 27	25 36	3 23	6 59	1 58	23 16	0 7	20 21	1 37	22 41	0 0	7 51	1 35	22 34	7 3	23 24	23 23	7 22	16 31	4 21	
M29	21 28	18 31	3 58	25 47	2 23	25 27	3 18	6 49	1 59	23 16	0 7	20 22	1 36	22 40	0 0	7 52	1 35	22 34	7 3	23 24	23 23	7 20	16 31	4 21	
T 30	21s38	14s19	4s41	25s42	2s18	25s17	3s13	6n38	2n 0	23s15	0n 6	20s23	1n36	22n40	0n 0	7s52	1n35	22s34	7s 3	23n24	23n23	7n17	16n30	4s21	

ASTRODIENST EPHEMERIS for the year 2280
geocentric

DECEMBER 2280

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	4 41 22	9♂10'08	18♂21	0♂38	19♂12	18♂22	3♂27	10♂35	15°R57	24♂ 9	16♂35	1°R 0	1♂52	23♂31	3°R11	W 1
T 2	4 45 19	10°10'51	2♂38	1°20	19°42	18°51	3°40	10°42	15♂54	24°11	16°36	0♂59	1°49	23°38	3♂ 8	T 2
F 3	4 49 15	11°11'34	16°58	1°56	20°11	19°20	3°53	10°49	15°51	24°12	16°37	0°57	1°46	23°44	3° 5	F 3
S 4	4 53 12	12°12'19	1♂18	2°25	20°38	19°48	4° 6	10°56	15°49	24°14	16°38	0°54	1°42	23°51	3° 1	S 4
S 5	4 57 9	13°13'05	15°34	2°45	21° 3	20°17	4°19	11° 3	15°46	24°16	16°39	0°52	1°39	23°58	2°58	S 5
M 6	5 1 5	14°13'52	29°40	2°58	21°26	20°45	4°33	11°10	15°44	24°17	16°40	0°49	1°36	24° 4	2°55	M 6
T 7	5 5 2	15°14'40	13♂32	3°R 0	21°48	21°13	4°46	11°17	15°41	24°19	16°41	0°48	1°33	24°11	2°51	T 7
W 8	5 8 58	16°15'29	27° 8	2°53	22° 8	21°41	5° 0	11°24	15°39	24°20	16°42	0°D47	1°30	24°18	2°48	W 8
T 9	5 12 55	17°16'20	10♂32	2°34	22°26	22° 9	5°13	11°31	15°36	24°22	16°43	0°48	1°27	24°25	2°45	T 9
F 10	5 16 51	18°17'11	23°19	2° 4	22°41	22°36	5°26	11°38	15°34	24°23	16°44	0°48	1°23	24°31	2°42	F 10
S 11	5 20 48	19°18'04	5♂56	1°24	22°55	23° 4	5°40	11°46	15°31	24°25	16°46	0°49	1°20	24°38	2°39	S 11
S 12	5 24 45	20°18'58	18°16	0°32	23° 7	23°31	5°53	11°53	15°29	24°26	16°47	0°50	1°17	24°45	2°35	S 12
M13	5 28 41	21°19'53	0♂23	29♂30	23°16	23°57	6° 7	12° 0	15°26	24°28	16°48	0°51	1°14	24°51	2°32	M13
T 14	5 32 38	22°20'50	12°21	28°19	23°23	24°24	6°21	12° 7	15°24	24°29	16°49	0°52	1°11	24°58	2°29	T 14
W15	5 36 34	23°21'47	24°13	27° 2	23°28	24°50	6°34	12°14	15°21	24°31	16°50	0°R52	1° 8	25° 5	2°26	W15
T 16	5 40 31	24°22'46	6♂ 6	25°40	23°R30	25°16	6°48	12°21	15°19	24°32	16°51	0°52	1° 4	25°12	2°23	T 16
F 17	5 44 27	25°23'45	18° 4	24°17	23°30	25°42	7° 1	12°28	15°16	24°33	16°53	0°52	1° 1	25°18	2°20	F 17
S 18	5 48 24	26°24'46	0♂11	22°56	23°27	26° 8	7°15	12°35	15°14	24°35	16°54	0°51	0°58	25°25	2°17	S 18
S 19	5 52 20	27°25'48	12°31	21°38	23°22	26°33	7°29	12°42	15°11	24°36	16°55	0°50	0°55	25°32	2°14	S 19
M20	5 56 17	28°26'50	25° 7	20°26	23°15	26°58	7°43	12°49	15° 9	24°37	16°56	0°50	0°52	25°39	2°11	M20
T 21	6 0 14	29°27'54	8♂ 0	19°23	23° 5	27°23	7°56	12°56	15° 6	24°38	16°58	0°50	0°48	25°45	2° 8	T 21
W22	6 4 10	0♂28'59	21°13	18°30	22°52	27°47	8°10	13° 3	15° 4	24°39	16°59	0°D50	0°45	25°52	2° 5	W22
T 23	6 8 7	1°30'04	4♂43	17°47	22°37	28°12	8°24	13° 9	15° 1	24°40	17° 1	0°R50	0°42	25°59	2° 3	T 23
F 24	6 12 3	2°31'09	18°30	17°15	22°20	28°36	8°38	13°16	14°59	24°42	17° 2	0°50	0°39	26° 5	2° 0	F 24
S 25	6 16 0	3°32'16	2♂30	16°54	22° 1	28°59	8°51	13°23	14°57	24°43	17° 3	0°50	0°36	26°12	1°57	S 25
S 26	6 19 56	4°33'22	16°39	16°44	21°39	29°22	9° 5	13°30	14°54	24°44	17° 5	0°49	0°33	26°19	1°54	S 26
M27	6 23 53	5°34'29	0♂54	16°D43	21°14	29°45	9°19	13°37	14°52	24°45	17° 6	0°49	0°29	26°26	1°52	M27
T 28	6 27 49	6°35'36	15°10	16°52	20°48	0♂ 8	9°33	13°43	14°50	24°46	17° 8	0°48	0°26	26°32	1°49	T 28
W29	6 31 46	7°36'43	29°25	17°10	20°20	0°30	9°47	13°50	14°47	24°47	17° 9	0°48	0°23	26°39	1°47	W29
T 30	6 35 43	8°37'50	13♂36	17°35	19°50	0°52	10° 0	13°57	14°45	24°48	17°11	0°D48	0°20	26°46	1°44	T 30
F 31	6 39 39	9♂38'57	27♂40	18♂ 8	19♂18	1♂14	10♂14	14♂ 4	14♂43	24♂48	17♂12	0♂48	0♂17	26♂53	1♂42	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	21s47	9s19	5s 7	25s36	2s12	25s 7	3s 8	6n27	2n 1	23s15	0n 6	20s25	1n36	22n40	0n 0	7s53
T 2	21 57	3 46	5 15	25 29	2 5	24 57	3 2	6 17	2 2	23 15	0 6	20 26	1 36	22 40	0 0	7 54
F 3	22 5	2n 0	5 3	25 20	1 57	24 47	2 56	6 6	2 3	23 15	0 6	20 27	1 36	22 39	0 0	7 54
S 4	22 13	7 39	4 32	25 10	1 47	24 37	2 49	5 56	2 4	23 14	0 6	20 28	1 36	22 39	0 0	7 55
S 5	22 21	12 54	3 44	24 59	1 37	24 26	2 42	5 46	2 5	23 14	0 6	20 29	1 36	22 39	0 0	7 55
M 6	22 28	17 23	2 43	24 47	1 25	24 15	2 35	5 36	2 6	23 14	0 6	20 30	1 36	22 39	0 0	7 56
T 7	22 35	20 50	1 34	24 33	1 11	24 4	2 27	5 25	2 7	23 13	0 6	20 31	1 36	22 38	0 0	7 56
W 8	22 42	23 2	0 20	24 19	0 56	23 53	2 19	5 15	2 8	23 13	0 6	20 32	1 36	22 38	0 0	7 57
T 9	22 48	23 53	0n53	24 3	0 40	23 41	2 11	5 5	2 9	23 12	0 6	20 33	1 36	22 38	0 0	7 57
F 10	22 53	23 23	2 1	23 46	0 22	23 30	2 2	4 45	2 10	23 12	0 5	20 34	1 36	22 38	0 0	7 58
S 11	22 58	21 42	3 2	23 27	0 4	23 18	1 52	4 55	2 11	23 12	0 5	20 35	1 36	22 37	0 0	7 58
S 12	23 3	19 2	3 54	23 8	0n16	23 7	1 42	4 36	2 12	23 11	0 5	20 36	1 36	22 37	0 0	7 59
M13	23 7	15 35	4 33	22 48	0 36	22 55	1 32	4 26	2 13	23 11	0 5	20 37	1 36	22 37	0 0	7 59
T 14	23 11	11 33	5 1	22 27	0 56	22 43	1 21	4 16	2 14	23 10	0 5	20 38	1 36	22 37	0 0	8 0
W15	23 14	7 6	5 15	22 6	1 16	22 31	1 10	4 7	2 15	23 9	0 5	20 38	1 36	22 36	0 0	8 0
T 16	23 17	2 25	5 16	21 45	1 35	22 19	0 59	3 58	2 16	23 9	0 5	20 39	1 36	22 36	0 0	8 1
F 17	23 19	2s24	5 3	21 24	1 53	22 8	0 46	3 48	2 17	23 8	0 5	20 40	1 36	22 36	0 0	8 1
S 18	23 21	7 12	4 36	21 4	2 9	21 56	0 34	3 39	2 18	23 8	0 5	20 41	1 36	22 35	0 0	8 1
S 19	23 23	11 48	3 57	20 46	2 23	21 44	0 21	3 30	2 19	23 7	0 5	20 42	1 36	22 35	0 0	8 2
M20	23 24	16 1	3 5	20 29	2 35	21 32	0 8	3 21	2 21	23 6	0 4	20 43	1 36	22 35	0 0	8 2
T 21	23 24	19 35	2 3	20 15	2 44	21 20	0n 6	3 12	2 22	23 6	0 4	20 44	1 36	22 35	0 0	8 3
W22	23 24	22 14	0 53	20 4	2 51	21 8	0 20	3 4	2 23	23 5	0 4	20 45	1 36	22 34	0 0	8 3
T 23	23 24	23 41	0s22	19 56	2 55	20 56	0 35	2 55	2 24	23 4	0 4	20 46	1 36	22 34	0 0	8 3
F 24	23 23	23 43	1 36	19 51	2 58	20 45	0 49	2 47	2 25	23 3	0 4	20 46	1 36	22 34	0 0	8 4
S 25	23 21	22 17	2 47	19 48	2 58	20 33	1 4	2 38	2 26	23 2	0 4	20 47	1 36	22 34	0 0	8 4
S 26	23 19	19 26	3 48	19 48	2 57	20 21	1 20	2 30	2 27	23 2	0 4	20 48	1 36	22 33	0 0	8 4
M27	23 17	15 25	4 35	19 51	2 55	20 10	1 35	2 22	2 28	23 1	0 4	20 49	1 36	22 33	0 0	8 5
T 28	23 14	10 31	5 5	19 55	2 51	19 58	1 51	2 14	2 29	23 0	0 4	20 50	1 36	22 33	0 0	8 5
W29	23 11	5 5	5 17	20 2	2 46	19 47	2 6	2 6	2 31	22 59	0 4	20 51	1 36	22 33	0 0	8 5
T 30	23 7	0n37	5 9	20 10	2 40	19 36	2 22	1 58	2 32	22 58	0 4	20 51	1 36	22 32	0 0	8 6
F 31	23s 3	6n13	4s43	20s19	2n34	19s25	2n38	1n51	2n33	22s57	0n 3	20s52	1n36	22n32	0n 0	8s 6

Julian Day Number = 2554147.5, Delta T = 265.32 sec
Ecliptic obliquity = 23°24'09, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 28°40'00, Lahiri = 27°47'01