



Astrodienst Ephemeris Tables for the year 2073

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 2073

geocentric

JANUARY 2073

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	6 45 4	11°3' 9'49	9°17	10°34	28°20	10°34	5°R 5	22°23	2°52	16°R25	4°40	1°R49	3°7	23°41	11°7	S 1
M 2	6 49 1	12°10'58	23°18	12°11	29°18	11°27	4°57	22°29	2°55	16°24	4°41	1°48	3°3	23°47	11°8	M 2
T 3	6 52 57	13°12'08	7°13	13°47	0°17	12°12	4°49	22°34	2°59	16°22	4°41	1°46	3°0	23°54	11°9	T 3
W 4	6 56 54	14°13'18	20°59	15°24	1°14	12°58	4°41	22°40	3°2	16°20	4°42	1°41	2°57	24°1	11°9	W 4
T 5	7 0 50	15°14'28	4°37	17°2	2°12	13°44	4°34	22°45	3°6	16°18	4°42	1°34	2°54	24°7	11°10	T 5
F 6	7 4 47	16°15'38	18°3	18°40	3°8	14°30	4°26	22°50	3°10	16°17	4°42	1°26	2°51	24°14	11°11	F 6
S 7	7 8 43	17°16'49	1°37	20°18	4°4	15°16	4°18	22°55	3°13	16°15	4°43	1°18	2°48	24°21	11°12	S 7
S 8	7 12 40	18°17'59	14°16	21°56	5°0	16°2	4°10	23°0	3°17	16°13	4°43	1°10	2°44	24°27	11°13	S 8
M 9	7 16 37	19°19'09	27°1	23°35	5°55	16°48	4°3	23°5	3°20	16°12	4°44	1°4	2°41	24°34	11°14	M 9
T 10	7 20 33	20°20'19	9°30	25°14	6°49	17°34	3°55	23°10	3°24	16°10	4°44	1°0	2°38	24°41	11°15	T 10
W 11	7 24 30	21°21'29	21°45	26°54	7°42	18°20	3°48	23°15	3°27	16°8	4°45	0°57	2°35	24°47	11°16	W 11
T 12	7 28 26	22°22'38	3°48	28°34	8°35	19°7	3°40	23°20	3°31	16°7	4°45	0°D57	2°32	24°54	11°17	T 12
F 13	7 32 23	23°23'47	15°42	0°14	9°27	19°53	3°33	23°25	3°34	16°5	4°46	0°58	2°29	25°1	11°18	F 13
S 14	7 36 19	24°24'55	27°30	1°55	10°19	20°39	3°26	23°29	3°38	16°3	4°47	1°0	2°25	25°7	11°19	S 14
S 15	7 40 16	25°26'02	9°18	3°36	11°9	21°25	3°19	23°34	3°41	16°2	4°47	1°1	2°22	25°14	11°21	S 15
M 16	7 44 12	26°27'09	21°10	5°17	11°59	22°12	3°12	23°38	3°44	16°0	4°48	1°R 3	2°19	25°20	11°22	M 16
T 17	7 48 9	27°28'15	3°12	6°58	12°48	22°58	3°5	23°43	3°48	15°58	4°49	1°3	2°16	25°27	11°23	T 17
W 18	7 52 6	28°29'20	15°28	8°40	13°36	23°44	2°58	23°47	3°51	15°57	4°49	1°1	2°13	25°34	11°25	W 18
T 19	7 56 2	29°30'25	28°3	10°21	14°23	24°31	2°52	23°52	3°55	15°55	4°50	0°58	2°9	25°40	11°26	T 19
F 20	7 59 59	0°31'29	11°1	12°2	15°9	25°17	2°45	23°56	3°58	15°53	4°51	0°54	2°6	25°47	11°28	F 20
S 21	8 3 55	1°32'32	24°23	13°43	15°54	26°4	2°39	24°0	4°1	15°52	4°52	0°49	2°3	25°54	11°29	S 21
S 22	8 7 52	2°33'34	8°10	15°24	16°38	26°50	2°33	24°4	4°5	15°50	4°52	0°45	2°0	26°0	11°31	S 22
M 23	8 11 48	3°34'35	22°20	17°4	17°21	27°37	2°27	24°8	4°8	15°48	4°53	0°41	1°57	26°7	11°33	M 23
T 24	8 15 45	4°35'36	6°14	18°43	18°3	28°23	2°21	24°12	4°11	15°47	4°54	0°38	1°54	26°14	11°34	T 24
W 25	8 19 41	5°36'36	21°28	20°21	18°43	29°10	2°15	24°15	4°14	15°45	4°55	0°36	1°50	26°20	11°36	W 25
T 26	8 23 38	6°37'35	6°13	21°58	19°23	29°56	2°10	24°19	4°18	15°44	4°56	0°D36	1°47	26°27	11°38	T 26
F 27	8 27 35	7°38'33	20°56	23°32	20°1	0°43	2°4	24°23	4°21	15°42	4°57	0°37	1°44	26°34	11°40	F 27
S 28	8 31 31	8°39'31	5°12	25°5	20°38	1°30	1°59	24°26	4°24	15°41	4°57	0°38	1°41	26°40	11°42	S 28
S 29	8 35 28	9°40'28	19°55	26°35	21°13	2°16	1°54	24°30	4°27	15°39	4°58	0°40	1°38	26°47	11°44	S 29
M 30	8 39 24	10°41'24	4°13	28°1	21°47	3°3	1°49	24°33	4°30	15°38	4°59	0°41	1°35	26°54	11°46	M 30
T 31	8 43 21	11°42'20	17°15	29°24	22°12	3°50	1°44	24°36	4°33	15°36	5°0	0°R41	1°31	27°0	11°48	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	22s58	0s48	3n 8	24s43	1s43	13s 5	1s 6	23s50	0s51	23n11	0s 8	16s17	2n 8	23s37	0s14	S 1
M 2	22 52	5 18	4 2	24 38	1 47	12 39	1 0	23 47	0 51	23 12	0 8	16 19	2 8	23 37	0 14	M 2
T 3	22 46	9 29	4 41	24 32	1 50	12 13	0 55	23 43	0 51	23 12	0 8	16 20	2 9	23 37	0 14	T 3
W 4	22 40	13 7	5 3	24 25	1 53	11 47	0 49	23 39	0 52	23 13	0 8	16 21	2 9	23 37	0 14	W 4
T 5	22 33	16 0	5 8	24 16	1 56	11 21	0 43	23 35	0 52	23 13	0 8	16 22	2 9	23 37	0 14	T 5
F 6	22 26	17 59	4 55	24 5	1 59	10 55	0 37	23 31	0 53	23 14	0 8	16 23	2 9	23 37	0 14	F 6
S 7	22 19	18 58	4 27	23 53	2 1	10 29	0 30	23 26	0 53	23 14	0 8	16 25	2 9	23 37	0 14	S 7
S 8	22 11	18 55	3 46	23 40	2 3	10 2	0 23	23 21	0 53	23 14	0 7	16 26	2 9	23 37	0 14	S 8
M 9	22 2 17	54 2	54 23	25 2	5 9	36 0	17	23 16	0 54	23 15	0 7	16 27	2 9	23 37	0 14	M 9
T 10	21 53	16 2	1 54	23 8	2 6	9 9	0 10	23 10	0 54	23 15	0 7	16 28	2 10	23 37	0 14	T 10
W 11	21 44	13 28	0 50	22 50	2 7	8 43	0 2	23 4	0 55	23 15	0 7	16 29	2 10	23 37	0 14	W 11
T 12	21 34	10 21	0s16	22 31	2 7	8 16	0n 5	22 58	0 55	23 16	0 7	16 30	2 10	23 37	0 14	T 12
F 13	21 24	6 52	1 20	22 9	2 7	7 50	0 12	22 52	0 55	23 16	0 7	16 31	2 10	23 37	0 14	F 13
S 14	21 14	3 8	2 20	21 47	2 6	7 23	0 20	22 46	0 56	23 17	0 6	16 32	2 10	23 37	0 14	S 14
S 15	21 3	0n42	3 14	21 22	2 5	6 57	0 28	22 39	0 56	23 17	0 6	16 33	2 10	23 36	0 14	S 15
M 16	20 51	8 32	4 1	20 56	2 4	6 30	0 36	22 32	0 56	23 17	0 6	16 34	2 10	23 36	0 14	M 16
T 17	20 39	4 14	4 37	20 29	2 2	6 4	0 45	22 24	0 57	23 17	0 6	16 35	2 11	23 36	0 14	T 17
W 18	20 27	11 39	5 2	20 0	1 59	5 38	0 53	22 17	0 57	23 18	0 6	16 36	2 11	23 36	0 14	W 18
T 19	20 15	14 38	5 13	19 30	1 56	5 12	1 2	22 9	0 57	23 18	0 6	16 37	2 11	23 36	0 14	T 19
F 20	20 2 17	0 5	8 18	58 1	52 4	4 46	1 11	22 1	0 58	23 18	0 6	16 38	2 11	23 36	0 14	F 20
S 21	19 48	18 31	4 47	18 25	1 48	4 20	1 20	21 53	0 58	23 19	0 5	16 38	2 11	23 36	0 14	S 21
S 22	19 35	19 2	4 9	17 51	1 43	3 54	1 29	21 44	0 58	23 19	0 5	16 39	2 11	23 36	0 14	S 22
M 23	19 21	18 22	3 15	17 15	1 37	3 29	1 39	21 35	0 59	23 19	0 5	16 40	2 12	23 36	0 14	M 23
T 24	19 6	16 31	2 7	16 39	1 31	3 3	1 49	21 26	0 59	23 19	0 5	16 41	2 12	23 36	0 14	T 24
W 25	18 52	13 33	0 50	16 1	1 24	2 39	1 58	21 17	0 59	23 20	0 5	16 42	2 12	23 36	0 14	W 25
T 26	18 36	9 42	0n31	15 22	1 16	2 14	2 9	21 7	1 0	23 20	0 5	16 42	2 12	23 35	0 14	T 26
F 27	18 21	5 17	1 50	14 43	1 7	1 49	2 19	20 58	1 0	23 20	0 5	16 43	2 12	23 35	0 14	F 27
S 28	18 5	0 35	3 1	14 3	0 57	1 25	2 29	20 48	1 0	23 20	0 4	16 44	2 13	23 35	0 14	S 28
S 29	17 49	4s 5	4 0	13 23	0 47	1 2	2 40	20 37	1 0	23 21	0 4	16 44	2 13	23 35	0 14	S 29
M 30	17 33	8 26	4 43	12 43	0 36	0 38	2 51	20 27	1 1	23 21	0 4	16 45	2 13	23 35	0 14	M 30
T 31	17s16	12s13	5n 8	12s 2	0s23	0s15	3n 2	20s16	1s 1	23n21	0s 4	16s46	2n13	23s35	0s14	T 31

Julian Day Number = 2478208.5, Delta T = 82.08 sec
 Ecliptic obliquity = 23°25'39", Nutation = - 0°00'07", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 25°45'37", Lahiri = 24°52'37"

ASTRODIENST EPHEMERIS for the year 2073

geocentric

FEBRUARY 2073

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	8 47 17	12°43'15	1°31	0°42	22°51	4°37	1°R40	24°39	4°36	15°R35	5°1	0°R40	1°28	27°7	11°50	W 1
T 2	8 51 14	13°44'10	14°51	1°56	23°20	5°24	1°35	24°42	4°39	15°33	5°2	0°38	1°25	27°14	11°52	T 2
F 3	8 55 10	14°45'03	27°55	3°3	23°48	6°10	1°31	24°45	4°42	15°32	5°3	0°36	1°22	27°20	11°54	F 3
S 4	8 59 7	15°45'56	10°345	4°3	24°14	6°57	1°27	24°48	4°45	15°30	5°4	0°33	1°19	27°27	11°57	S 4
S 5	9 3 4	16°46'48	23°22	4°56	24°39	7°44	1°23	24°51	4°48	15°29	5°5	0°31	1°15	27°34	11°59	S 5
M 6	9 7 0	17°47'39	5°47	5°40	25°1	8°31	1°20	24°54	4°51	15°27	5°6	0°30	1°12	27°40	12°1	M 6
T 7	9 10 57	18°48'29	18°2	6°16	25°22	9°18	1°16	24°56	4°54	15°26	5°7	0°29	1°9	27°47	12°3	T 7
W 8	9 14 53	19°49'17	0°6	6°41	25°40	10°5	1°13	24°59	4°57	15°25	5°9	0°D28	1°6	27°54	12°6	W 8
T 9	9 18 50	20°50'04	12°3	6°57	25°57	10°52	1°10	25°1	5°0	15°23	5°10	0°29	1°3	28°0	12°8	T 9
F 10	9 22 46	21°50'50	23°54	7°R 2	26°11	11°39	1°7	25°4	5°2	15°22	5°11	0°29	1°0	28°7	12°11	F 10
S 11	9 26 43	22°51'34	5°42	6°56	26°24	12°26	1°5	25°6	5°5	15°21	5°12	0°30	0°56	28°14	12°13	S 11
S 12	9 30 39	23°52'17	17°30	6°39	26°34	13°13	1°2	25°8	5°8	15°19	5°13	0°31	0°53	28°20	12°16	S 12
M13	9 34 36	24°52'58	29°23	6°12	26°42	14°0	1°0	25°10	5°10	15°18	5°14	0°32	0°50	28°27	12°18	M13
T 14	9 38 32	25°53'38	11°23	5°35	26°47	14°47	0°58	25°12	5°13	15°17	5°15	0°32	0°47	28°34	12°21	T 14
W15	9 42 29	26°54'16	23°36	4°49	26°50	15°34	0°56	25°14	5°16	15°16	5°17	0°R32	0°44	28°40	12°24	W15
T 16	9 46 26	27°54'52	6°7	3°56	26°R51	16°21	0°54	25°15	5°18	15°15	5°18	0°32	0°40	28°47	12°26	T 16
F 17	9 50 22	28°55'27	18°58	2°56	26°49	17°8	0°53	25°17	5°21	15°14	5°19	0°32	0°37	28°54	12°29	F 17
S 18	9 54 19	29°55'59	2°15	1°52	26°45	17°55	0°51	25°18	5°23	15°12	5°20	0°32	0°34	29°0	12°32	S 18
S 19	9 58 15	0°56'30	15°58	0°45	26°38	18°42	0°50	25°20	5°26	15°11	5°22	0°D32	0°31	29°7	12°35	S 19
M20	10 2 12	1°57'00	0°9	29°37	26°29	19°30	0°49	25°21	5°28	15°10	5°23	0°32	0°28	29°14	12°38	M20
T 21	10 6 8	2°57'27	14°43	28°30	26°17	20°17	0°49	25°22	5°30	15°9	5°24	0°32	0°25	29°20	12°40	T 21
W22	10 10 5	3°57'53	29°37	27°25	26°2	21°4	0°48	25°23	5°33	15°8	5°25	0°R32	0°21	29°27	12°43	W22
T 23	10 14 1	4°58'17	14°41	26°24	25°45	21°51	0°48	25°24	5°35	15°7	5°27	0°32	0°18	29°34	12°46	T 23
F 24	10 17 58	5°58'40	29°49	25°28	25°26	22°38	0°D48	25°25	5°37	15°6	5°28	0°32	0°15	29°40	12°49	F 24
S 25	10 21 55	6°59'01	14°50	24°38	25°4	23°25	0°48	25°26	5°39	15°5	5°29	0°31	0°12	29°47	12°52	S 25
S 26	10 25 51	7°59'20	29°36	23°54	24°40	24°12	0°48	25°27	5°42	15°4	5°31	0°30	0°9	29°54	12°55	S 26
M27	10 29 48	8°59'38	14°1	23°17	24°14	25°0	0°49	25°27	5°44	15°4	5°32	0°29	0°6	0°0	12°58	M27
T 28	10 33 44	9°59'55	28°14	22°47	23°46	25°47	0°50	25°28	5°46	15°5	5°33	0°29	0°7	13°1	12°59	T 28

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	16s59	15s18	5n16	11s23	0s11	0n 7	3n13	20s 6	1s 1	23n21	0s 4	16s46	2n13	23s35	0s14	21n43	0s48	13s 0	16s22	11n14	10n57	3s12	6n23	1n51			
T 2	16 42	17 29	5 6	10 44	0n 3	0 29	3 24	19 54	1 2	23 21	0 4	16 47	2 13	23 35	0 14	21 44	0 48	13 0	16 21	11 15	10 58	3 10	6 24	1 51			
F 3	16 24	18 44	4 41	10 7	0 18	0 51	3 36	19 43	1 2	23 22	0 4	16 47	2 14	23 35	0 14	21 44	0 48	12 59	16 21	11 15	10 59	3 8	6 24	1 51			
S 4	16 6	18 58	4 2	9 31	0 33	1 12	3 48	19 32	1 2	23 22	0 3	16 48	2 14	23 35	0 14	21 44	0 48	12 58	16 21	11 16	11 0	3 6	6 25	1 51			
S 5	15 48	18 16	3 11	8 57	0 48	1 32	3 59	19 20	1 2	23 22	0 3	16 48	2 14	23 35	0 14	21 44	0 48	12 58	16 20	11 17	11 1	3 4	6 26	1 51			
M 6	15 29	16 40	2 13	8 25	1 5	1 52	4 11	19 8	1 3	23 22	0 3	16 49	2 14	23 35	0 14	21 44	0 48	12 57	16 20	11 18	11 2	3 2	6 27	1 51			
T 7	15 11	14 20	1 9	7 57	1 21	2 11	4 23	18 56	1 3	23 22	0 3	16 49	2 14	23 34	0 14	21 45	0 48	12 56	16 20	11 18	11 4	3 0	6 28	1 50			
W 8	14 52	11 24	0 2	7 32	1 38	2 30	4 36	18 43	1 3	23 22	0 3	16 50	2 15	23 34	0 14	21 45	0 48	12 56	16 20	11 18	11 5	2 58	6 28	1 50			
T 9	14 33	8 1	1s 4	7 11	1 55	2 48	4 48	18 31	1 3	23 23	0 3	16 50	2 15	23 34	0 14	21 45	0 48	12 55	16 19	11 18	11 6	2 56	6 29	1 50			
F 10	14 13	4 22	2 7	6 54	2 11	3 5	5 0	18 18	1 3	23 23	0 3	16 50	2 15	23 34	0 14	21 45	0 48	12 55	16 19	11 18	11 7	2 54	6 30	1 50			
S 11	13 53	0 33	3 4	6 41	2 27	3 21	5 13	18 5	1 4	23 23	0 2	16 51	2 15	23 34	0 14	21 45	0 48	12 54	16 19	11 17	11 8	2 52	6 31	1 50			
S 12	13 33	3n17	3 53	6 34	2 42	3 36	5 25	17 52	1 4	23 23	0 2	16 51	2 15	23 34	0 14	21 45	0 48	12 53	16 19	11 17	11 9	2 51	6 32	1 50			
M13	13 13	7 0	4 32	6 30	2 56	3 51	5 37	17 38	1 4	23 23	0 2	16 51	2 16	23 34	0 14	21 46	0 48	12 53	16 19	11 17	11 10	2 49	6 33	1 50			
T 14	12 53	10 28	5 1	6 32	3 9	4 4	5 50	17 25	1 4	23 23	0 2	16 51	2 16	23 34	0 14	21 46	0 48	12 52	16 18	11 17	11 11	2 47	6 33	1 49			
W15	12 32	13 34	5 16	6 38	3 20	4 17	6 2	17 11	1 4	23 24	0 2	16 52	2 16	23 34	0 14	21 46	0 48	12 51	16 18	11 17	11 13	2 45	6 34	1 49			
T 16	12 12	16 7	5 17	6 49	3 29	4 28	6 14	16 57	1 5	23 24	0 2	16 52	2 16	23 34	0 14	21 46	0 48	12 51	16 18	11 17	11 14	2 43	6 35	1 49			
F 17	11 51	17 57	5 2	7 4	3 36	4 39	6 27	16 43	1 5	23 24	0 2	16 52	2 16	23 34	0 14	21 46	0 48	12 50	16 18	11 17	11 15	2 41	6 36	1 49			
S 18	11 29	18 54	4 31	7 22	3 40	4 48	6 39	16 29	1 5	23 24	0 1	16 52	2 17	23 33	0 14	21 46	0 48	12 49	16 17	11 17	11 16	2 39	6 37	1 49			
S 19	11 8	18 46	3 43	7 43	3 43	4 56	6 50	16 14	1 5	23 24	0 1	16 52	2 17	23 33	0 14	21 47	0 48	12 49	16 17	11 17	11 17	2 37	6 38	1 49			
M20	10 47	17 29	2 41	8 7	3 43	5 3	7 2	16 0	1 5	23 24	0 1	16 52	2 17	23 33	0 14	21 47	0 48	12 48	16 17	11 17	11 18	2 35	6 39	1 49			
T 21	10 25	15 1	1 27	8 32	3 41	5 9	7 13	15 45	1 5	23 24	0 1	16 53	2 17	23 33	0 14	21 47	0 48	12 47	16 17	11 17	11 19	2 33	6 40	1 49			
W22	10 3	11 31	0 5	8 58	3 37	5 13	7 24	15 30	1 5	23 25	0 1	16 53	2 17	23 33	0 14	21 47	0 47	12 47	16 17	11 17	11 20	2 31	6 41	1 48			
T 23	9 41	7 13	1n18	9 25	3 30	5 16	7 34	15 15	1 6	23 25	0 1	16 53	2 18	23 33	0 15	21 47	0 47	12 46	16 17	11 17	11 22	2 29	6 42	1 48			
F 24	9 19	2 27	2 36	9 51	3 22	5 17	7 44	15 0	1 6	23 25	0 1	16 53	2 18	23 33	0 15	21 47	0 47	12 45	16 16	11 17	11 23	2 27	6 43	1 48			
S 25	8 57	2s25	3 42	10 17	3 13	5 18	7 54	14 44	1 6	23 25	0 1	16 53	2 18	23 33	0 15	21 47	0 47	12 45	16 16	11 17	11 24	2 25	6 44	1 48			
S 26	8 34	7 4	4 33	10 41	3 2	5 16	8 3	14 29	1 6	23 25	0 0	16 53	2 18	23 33	0 15	21 47	0 47	12 44	16 16	11 17	11 25	2 23	6 45	1 48			
M27	8 12	11 11	5 5	11 4	2 50	5 14	8 11	14 13	1 6	23 25	0 0	16 53	2 18	23 33	0 15	21 48	0 47	12 43	16 16	11 18	11 26	2 21	6 46	1 48			
T 28	7s49	14s34	5n17	11s26	2n38	5n10	8n19	13s57	1s 6	23n25	0s 0	16s53	2n19	23s33	0s15	21n48	0s47	12s43	16s16	11n18	11n27	2s20	6n48	1n48			

Julian Day Number = 2478239.5, Delta T = 82.11 sec

Ecliptic obliquity = 23°25'39, Nutation = - 0°00'07, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 25°45'41, Lahiri = 24°52'41

ASTRODIENST EPHEMERIS for the year 2073

geocentric

MARCH 2073

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	10 37 41	11° 0' 10"	11° 41'	22° R25	23° R16	26° 34'	0° 50'	25° 11'	5° 38'	15° R 2	5° 35'	0° D29	29° 59'	0° 14'	13° 4'	W 1
T 2	10 41 37	12° 0' 24"	24° 56'	22° 9	22° 44'	27° 21'	0° 52'	25° 28'	5° 50'	15° 1	5° 36'	0° 29'	29° 56'	0° 20'	13° 7'	T 2
F 3	10 45 34	13° 0' 37"	7° 34'	22° 1	22° 11'	28° 8	0° 53'	25° 29'	5° 52'	15° 0	5° 38'	0° 30'	29° 53'	0° 27'	13° 11'	F 3
S 4	10 49 30	14° 0' 47"	20° 25'	21° D59	21° 37'	28° 56'	0° 54'	25° R29	5° 53'	15° 0	5° 39'	0° 31'	29° 50'	0° 34'	13° 14'	S 4
S 5	10 53 27	15° 0' 57"	2° 46'	22° 4	21° 1	29° 43'	0° 56'	25° 29'	5° 55'	14° 59'	5° 40'	0° 32'	29° 46'	0° 40'	13° 17'	S 5
M 6	10 57 24	16° 1' 04"	14° 56'	22° 15	20° 24'	0° 30'	0° 58'	25° 29'	5° 57'	14° 58'	5° 42'	0° 33'	29° 43'	0° 47'	13° 20'	M 6
T 7	11 1 20	17° 1' 10"	26° 57'	22° 32	19° 47'	1° 17'	1° 0	25° 28'	5° 59'	14° 58'	5° 43'	0° R34	29° 40'	0° 54'	13° 23'	T 7
W 8	11 5 17	18° 1' 14"	8° 51'	22° 54	19° 10'	2° 5	1° 2	25° 28'	6° 1	14° 57'	5° 45'	0° 34'	29° 37'	1° 0	13° 27'	W 8
T 9	11 9 13	19° 1' 16"	20° 42'	23° 21	18° 32'	2° 52'	1° 5	25° 27'	6° 2	14° 57'	5° 46'	0° 33'	29° 34'	1° 7	13° 30'	T 9
F 10	11 13 10	20° 1' 17"	2° 31'	23° 52	17° 55'	3° 39'	1° 7	25° 27'	6° 4	14° 56'	5° 47'	0° 30'	29° 31'	1° 14	13° 33'	F 10
S 11	11 17 6	21° 1' 15"	14° 20'	24° 28	17° 18'	4° 26'	1° 10	25° 26'	6° 5	14° 56'	5° 49'	0° 27'	29° 27'	1° 20	13° 36'	S 11
S 12	11 21 3	22° 1' 11"	26° 11'	25° 9	16° 41'	5° 13'	1° 13	25° 26'	6° 7	14° 55'	5° 50'	0° 24'	29° 24'	1° 27	13° 40'	S 12
M13	11 24 59	23° 1' 06"	8° 6	25° 53	16° 6	6° 1	1° 17	25° 25'	6° 8	14° 55'	5° 52'	0° 20'	29° 21'	1° 34	13° 43'	M13
T 14	11 28 56	24° 0' 58"	20° 10'	26° 41	15° 31'	6° 48'	1° 20	25° 24'	6° 10	14° 54'	5° 53'	0° 16'	29° 18'	1° 40	13° 46'	T 14
W15	11 32 53	25° 0' 48"	2° 23'	27° 32	14° 58'	7° 35'	1° 24	25° 23'	6° 11	14° 54'	5° 55'	0° 14'	29° 15'	1° 47	13° 50'	W15
T 16	11 36 49	26° 0' 36"	14° 52'	28° 26	14° 26'	8° 22'	1° 27	25° 22'	6° 12	14° 54'	5° 56'	0° 12'	29° 12'	1° 54	13° 53'	T 16
F 17	11 40 46	27° 0' 22"	27° 38'	29° 23	13° 56'	9° 9	1° 31	25° 20'	6° 14	14° 53'	5° 58'	0° D11	29° 8	2° 0	13° 57'	F 17
S 18	11 44 42	28° 0' 05"	10° 46'	0° 23	13° 28'	9° 57'	1° 35	25° 19'	6° 15	14° 53'	5° 59'	0° 12'	29° 5	2° 7	14° 0	S 18
S 19	11 48 39	28° 59' 46"	24° 19'	1° 26	13° 2	10° 44'	1° 40	25° 18'	6° 16	14° 53'	6° 1	0° 13	29° 2	2° 14	14° 3	S 19
M20	11 52 35	29° 59' 25"	8° 18'	2° 31	12° 37'	11° 31'	1° 44	25° 16'	6° 17	14° 53'	6° 2	0° 15	28° 59'	2° 20	14° 7	M20
T 21	11 56 32	0° 59' 02"	22° 44'	3° 38	12° 16'	12° 18'	1° 49	25° 14'	6° 18	14° 52'	6° 4	0° R16	28° 56'	2° 27	14° 10'	T 21
W22	12 0 28	1° 58' 36"	7° 34'	4° 48	11° 56'	13° 5	1° 54	25° 13'	6° 19	14° 52'	6° 5	0° 16	28° 52'	2° 34	14° 14'	W22
T 23	12 4 25	2° 58' 08"	22° 41'	5° 59	11° 39	13° 52'	1° 59	25° 11'	6° 20	14° 52'	6° 7	0° 14	28° 49'	2° 40	14° 17'	T 23
F 24	12 8 21	3° 57' 38"	7° 57'	7° 13	11° 24	14° 39'	2° 4	25° 9	6° 21	14° 52'	6° 8	0° 11	28° 46'	2° 47	14° 21'	F 24
S 25	12 12 18	4° 57' 06"	23° 12'	8° 29	11° 11	15° 26'	2° 9	25° 7	6° 22	14° D52	6° 9	0° 7	28° 43'	2° 54	14° 24'	S 25
S 26	12 16 15	5° 56' 33"	8° 15'	9° 46	11° 2	16° 13'	2° 15	25° 5	6° 23	14° 52'	6° 11	0° 1	28° 40'	3° 0	14° 28'	S 26
M27	12 20 11	6° 55' 57"	22° 58'	11° 6	10° 54'	17° 1	2° 20	25° 3	6° 23	14° 52'	6° 12	29° 56'	28° 37'	3° 7	14° 31'	M27
T 28	12 24 8	7° 55' 20"	7° 15'	12° 27	10° 49	17° 48'	2° 26	25° 0	6° 24	14° 52'	6° 14	29° 52'	28° 33'	3° 14	14° 35'	T 28
W29	12 28 4	8° 54' 40"	21° 2	13° 49	10° 47	18° 35'	2° 32	24° 58'	6° 25	14° 52'	6° 15	29° 49'	28° 30'	3° 20	14° 38'	W29
T 30	12 32 1	9° 54' 00"	4° 21'	15° 14	10° D47	19° 22'	2° 38	24° 56'	6° 25	14° 52'	6° 17	29° D47	28° 27'	3° 27	14° 42'	T 30
F 31	12 35 57	10° 53' 17"	17° 15'	16° 40	10° 49	20° 9	2° 44	24° 53'	6° 26	14° 53'	6° 18	29° 47'	28° 24'	3° 34	14° 45'	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	7s26	17s 2	5n12	11s45	2n25	5n 4	8n26	13s41	1s 6	23n25	0s 0	16s52	2n19	23s33	0s15	21n48	0s47
T 2	7 3	18 31	4 49	12 3	2 11	4 57	8 32	13 25	1 6	23 26	0n 0	16 52	2 19	23 33	0 15	21 48	0 47
F 3	6 40	18 59	4 13	12 19	1 58	4 49	8 37	13 9	1 6	23 26	0 0	16 52	2 19	23 33	0 15	21 48	0 47
S 4	6 17	18 30	3 25	12 32	1 44	4 40	8 41	12 53	1 6	23 26	0 0	16 52	2 19	23 32	0 15	21 48	0 47
S 5	5 54	17 8	2 28	12 44	1 30	4 29	8 45	12 36	1 6	23 26	0 0	16 52	2 20	23 32	0 15	21 48	0 47
M 6	5 31	14 59	1 26	12 53	1 16	4 17	8 47	12 20	1 6	23 26	0 1	16 52	2 20	23 32	0 15	21 48	0 47
T 7	5 7	12 13	0 20	13 0	1 3	4 4	8 49	12 3	1 6	23 26	0 1	16 51	2 20	23 32	0 15	21 49	0 47
W 8	4 44	8 57	0s46	13 6	0 50	3 50	8 49	11 46	1 6	23 26	0 1	16 51	2 20	23 32	0 15	21 49	0 47
T 9	4 21	5 21	1 49	13 9	0 37	3 35	8 49	11 29	1 7	23 26	0 1	16 51	2 20	23 32	0 15	21 49	0 47
F 10	3 57	1 34	2 48	13 11	0 24	3 19	8 47	11 12	1 7	23 26	0 1	16 50	2 21	23 32	0 15	21 49	0 47
S 11	3 33	2n17	3 39	13 10	0 12	3 3	8 45	10 55	1 7	23 27	0 1	16 50	2 21	23 32	0 15	21 49	0 47
S 12	3 10	6 3	4 21	13 8	0 0	2 46	8 42	10 37	1 7	23 27	0 1	16 50	2 21	23 32	0 15	21 49	0 47
M13	2 46	9 36	4 51	13 4	0s11	2 28	8 37	10 20	1 7	23 27	0 1	16 49	2 21	23 32	0 15	21 49	0 47
T 14	2 23	12 48	5 10	12 58	0 22	2 10	8 32	10 3	1 7	23 27	0 2	16 49	2 21	23 32	0 15	21 49	0 47
W15	1 59	15 29	5 14	12 50	0 33	1 52	8 26	9 45	1 7	23 27	0 2	16 48	2 21	23 32	0 15	21 49	0 47
T 16	1 35	17 32	5 4	12 41	0 43	1 34	8 19	9 27	1 6	23 27	0 2	16 48	2 22	23 32	0 15	21 49	0 47
F 17	1 11	18 45	4 39	12 30	0 52	1 15	8 12	9 10	1 6	23 27	0 2	16 48	2 22	23 32	0 15	21 49	0 47
S 18	0 48	19 1	3 59	12 17	1 2	0 57	8 4	8 52	1 6	23 27	0 2	16 47	2 22	23 32	0 15	21 49	0 47
S 19	0 24	18 13	3 5	12 3	1 10	0 39	7 55	8 34	1 6	23 27	0 2	16 47	2 22	23 32	0 15	21 50	0 47
M20	0 0	16 17	1 58	11 48	1 18	0 21	7 45	8 16	1 6	23 27	0 2	16 46	2 22	23 32	0 15	21 50	0 47
T 21	0n23	13 17	0 41	11 31	1 26	0 3	7 35	7 58	1 6	23 27	0 2	16 45	2 23	23 32	0 15	21 50	0 47
W22	0 47	9 21	0n40	11 12	1 34	0s14	7 25	7 40	1 6	23 27	0 2	16 45	2 23	23 32	0 15	21 50	0 47
T 23	1 11	4 44	2 0	10 52	1 40	0 30	7 14	7 21	1 6	23 27	0 3	16 44	2 23	23 32	0 15	21 50	0 46
F 24	1 34	0s13	3 12	10 31	1 47	0 46	7 2	7 3	1 6	23 27	0 3	16 44	2 23	23 32	0 15	21 50	0 46
S 25	1 58	5 9	4 10	10 8	1 53	1 2	6 51	6 45	1 6	23 27	0 3	16 43	2 23	23 32	0 15	21 50	0 46
S 26	2 22	9 41	4 49	9 44	1 58	1 16	6 39	6 27	1 6	23 27	0 3	16 42	2 23	23 32	0 15	21 50	0 46
M27	2 45	13 31	5 9	9 18	2 3	1 30	6 27	6 8	1 6	23 27	0 3	16 42	2 24	23 32	0 15	21 50	0 46
T 28	3 8	16 26	5 9	8 51	2 8	1 44	6 14	5 50	1 6	23 27	0 3	16 41	2 24	23 32	0 15	21 50	0 46
W29	3 32	18 18	4 50	8 23	2 12	1 56	6 2	5 31	1 5	23 27	0 3	16 40	2 24	23 32	0 15	21 50	0 46
T 30	3 55	19 5	4 17	7 54	2 15	2 7	5 50	5 13	1 5	23 27	0 3	16 40	2 24	23 32	0 15	21 50	0 46
F 31	4n18	18s50	3n31	7s23	2s19	2s18	5n37	4s54	1s 5	23n27	0n 3	16s39	2n24	23s32	0s15	21n50	0s46

Julian Day Number = 2478267.5, Delta T = 82.14 sec

Ecliptic obliquity = 23°25'40", Nutation = - 0°00'08", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 25°45'45", Lahiri = 24°52'45"

ASTRODIENST EPHEMERIS for the year 2073

geocentric

APRIL 2073

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	12 39 54	11°52'33	29°34'46	18°18' 8	10°18'54	20°18'56	2°55'1	24°R50	6°26'26	14°53'53	6°20'20	29°28'48	28°28'21	3°47'40	14°47'49	S 1
S 2	12 43 50	12°51'47	12°38' 1	19°37' 1	11° 1' 1	21°43' 1	2°57' 1	24°M48	6°27' 1	14°53' 1	6°21' 1	29°50' 1	28°17' 1	3°47' 1	14°52' 1	S 2
M 3	12 47 47	13°50'59	24° 2' 2	21° 7' 1	11°10' 1	22°30' 1	3° 4' 1	24°45' 1	6°27' 1	14°53' 1	6°23' 1	29°R51	28°14' 1	3°54' 1	14°56' 1	M 3
T 4	12 51 44	14°50'09	5°18'55	22°40' 1	11°21' 1	23°16' 1	3°11' 1	24°42' 1	6°27' 1	14°54' 1	6°24' 1	29°51' 1	28°11' 1	4° 0' 1	14°59' 1	T 4
W 5	12 55 40	15°49'17	17°44' 1	24°13' 1	11°35' 1	24° 3' 1	3°18' 1	24°39' 1	6°28' 1	14°54' 1	6°26' 1	29°49' 1	28° 8' 1	4° 7' 1	15° 3' 1	W 5
T 6	12 59 37	16°48'23	29°32' 1	25°49' 1	11°50' 1	24°50' 1	3°25' 1	24°36' 1	6°28' 1	14°54' 1	6°27' 1	29°45' 1	28° 5' 1	4°14' 1	15° 6' 1	T 6
F 7	13 3 33	17°47'28	11°17'20	27°25' 1	12° 8' 1	25°37' 1	3°32' 1	24°33' 1	6°28' 1	14°55' 1	6°29' 1	29°39' 1	28° 2' 1	4°20' 1	15°10' 1	F 7
S 8	13 7 30	18°46'30	23°13' 1	29° 4' 1	12°27' 1	26°24' 1	3°40' 1	24°30' 1	6°28' 1	14°55' 1	6°30' 1	29°30' 1	27°58' 1	4°27' 1	15°13' 1	S 8
S 9	13 11 26	19°45'30	5°18'10	0°17'43	12°49' 1	27°11' 1	3°47' 1	24°27' 1	6°28' 1	14°56' 1	6°32' 1	29°21' 1	27°55' 1	4°34' 1	15°17' 1	S 9
M10	13 15 23	20°44'29	17°13' 1	2°24' 1	13°12' 1	27°58' 1	3°55' 1	24°23' 1	6°R28	14°56' 1	6°33' 1	29°11' 1	27°52' 1	4°40' 1	15°20' 1	M10
T 11	13 19 19	21°43'25	29°25' 1	4° 7' 1	13°36' 1	28°44' 1	4° 3' 1	24°20' 1	6°28' 1	14°57' 1	6°35' 1	29° 2' 1	27°49' 1	4°47' 1	15°24' 1	T 11
W12	13 23 16	22°42'19	11°11'46	5°51' 1	14° 3' 1	29°31' 1	4°11' 1	24°17' 1	6°28' 1	14°57' 1	6°36' 1	28°53' 1	27°46' 1	4°54' 1	15°27' 1	W12
T 13	13 27 13	23°41'11	24°19' 1	7°37' 1	14°31' 1	0°17'18	4°19' 1	24°13' 1	6°28' 1	14°58' 1	6°37' 1	28°47' 1	27°43' 1	5° 0' 1	15°31' 1	T 13
F 14	13 31 9	24°40'01	7°28' 1	9°24' 1	15° 0' 1	1° 4' 1	4°27' 1	24° 9' 1	6°28' 1	14°59' 1	6°39' 1	28°44' 1	27°39' 1	5° 7' 1	15°34' 1	F 14
S 15	13 35 6	25°38'48	20°11' 1	11°13' 1	15°31' 1	1°51' 1	4°36' 1	24° 6' 1	6°28' 1	14°59' 1	6°40' 1	28°D42	27°36' 1	5°14' 1	15°38' 1	S 15
S 16	13 39 2	26°37'33	3°28'36	13° 3' 1	16° 4' 1	2°38' 1	4°44' 1	24° 2' 1	6°27' 1	15° 0' 1	6°42' 1	28°42' 1	27°33' 1	5°20' 1	15°41' 1	S 16
M17	13 42 59	27°36'16	17°24' 1	14°55' 1	16°37' 1	3°24' 1	4°53' 1	23°58' 1	6°27' 1	15° 1' 1	6°43' 1	28°43' 1	27°30' 1	5°27' 1	15°45' 1	M17
T 18	13 46 55	28°34'57	1°18'35	16°49' 1	17°12' 1	4°11' 1	5° 1' 1	23°55' 1	6°27' 1	15° 1' 1	6°45' 1	28°R43	27°27' 1	5°34' 1	15°48' 1	T 18
W19	13 50 52	29°33'35	16°10' 1	18°44' 1	17°49' 1	4°57' 1	5°10' 1	23°51' 1	6°26' 1	15° 2' 1	6°46' 1	28°42' 1	27°23' 1	5°40' 1	15°52' 1	W19
T 20	13 54 48	0°33'11	1° 3' 1	20°40' 1	18°26' 1	5°44' 1	5°19' 1	23°47' 1	6°26' 1	15° 3' 1	6°47' 1	28°38' 1	27°20' 1	5°47' 1	15°55' 1	T 20
F 21	13 58 45	1°30'46	16°10' 1	22°38' 1	19° 5' 1	6°30' 1	5°28' 1	23°43' 1	6°25' 1	15° 4' 1	6°49' 1	28°32' 1	27°17' 1	5°54' 1	15°59' 1	F 21
S 22	14 2 42	2°29'18	1°18'21	24°38' 1	19°45' 1	7°17' 1	5°38' 1	23°39' 1	6°25' 1	15° 5' 1	6°50' 1	28°24' 1	27°14' 1	6° 0' 1	16° 2' 1	S 22
S 23	14 6 38	3°27'48	16°26' 1	26°39' 1	20°26' 1	8° 3' 1	5°47' 1	23°35' 1	6°24' 1	15° 6' 1	6°51' 1	28°15' 1	27°11' 1	6° 7' 1	16° 6' 1	S 23
M24	14 10 35	4°26'16	1°17'14	28°41' 1	21° 8' 1	8°50' 1	5°56' 1	23°31' 1	6°23' 1	15° 7' 1	6°53' 1	28° 5' 1	27° 8' 1	6°14' 1	16° 9' 1	M24
T 25	14 14 31	5°24'43	15°38' 1	0°18'45	21°51' 1	9°36' 1	6° 6' 1	23°27' 1	6°22' 1	15° 8' 1	6°54' 1	27°56' 1	27° 4' 1	6°20' 1	16°12' 1	T 25
W26	14 18 28	6°23'08	2°50'38	2°50' 1	22°35' 1	10°22' 1	6°15' 1	23°22' 1	6°22' 1	15° 9' 1	6°55' 1	27°49' 1	27° 1' 1	6°27' 1	16°16' 1	W26
T 27	14 22 24	7°21'32	13°38' 0	4°56' 1	23°20' 1	11° 8' 1	6°25' 1	23°18' 1	6°21' 1	15°10' 1	6°57' 1	27°44' 1	26°58' 1	6°34' 1	16°19' 1	T 27
F 28	14 26 21	8°19'54	25°58' 1	7° 4' 1	24° 6' 1	11°55' 1	6°35' 1	23°14' 1	6°20' 1	15°11' 1	6°58' 1	27°42' 1	26°55' 1	6°40' 1	16°22' 1	F 28
S 29	14 30 17	9°18'14	8°38'31	9°12' 1	24°52' 1	12°41' 1	6°45' 1	23°10' 1	6°19' 1	15°12' 1	6°59' 1	27°D41	26°52' 1	6°47' 1	16°26' 1	S 29
S 30	14 34 14	10°16'33	20°38'46	11°18'21	25°18'40	13°17'27	6°55' 1	23°18' 1	6°18' 1	15°13' 1	7° 1' 1	27°241	26°52' 1	6°54' 1	16°29' 1	S 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
S 1	4n42	17s39	2n36	6s51	2s21	2s28	5n25	4s35	1s 5	23n27	0n 3	16s38	2n24	23s32	0s15	21n50	0s46	12s23	16s14	11n32	12n 3	1s17	7n27	1n45	
S 2	5 5	15 39	1 35	6 19	2 23	2 37	5 12	4 17	1 5	23 27	0 4	16 37	2 24	23 32	0 15	21 50	0 46	12 22	16 14	11 32	12 4	1 15	7 28	1 45	
M 3	5 28	13 0	0 32	5 44	2 25	2 45	5 0	3 58	1 5	23 27	0 4	16 37	2 25	23 32	0 15	21 50	0 46	12 22	16 14	11 31	12 5	1 13	7 29	1 45	
T 4	5 51	9 51	0s33	5 9	2 26	2 52	4 47	3 39	1 5	23 27	0 4	16 36	2 25	23 32	0 15	21 50	0 46	12 21	16 14	11 31	12 6	1 11	7 30	1 45	
W 5	6 13	6 18	1 35	4 33	2 27	2 59	4 35	3 21	1 4	23 27	0 4	16 35	2 25	23 32	0 15	21 50	0 46	12 21	16 14	11 32	12 7	1 9	7 32	1 44	
T 6	6 36	2 32	2 33	3 55	2 27	3 4	4 23	3 2	1 4	23 27	0 4	16 34	2 25	23 32	0 15	21 50	0 46	12 20	16 14	11 33	12 8	1 7	7 33	1 44	
F 7	6 59	1n20	3 25	3 16	2 27	3 9	4 10	2 43	1 4	23 27	0 4	16 33	2 25	23 32	0 15	21 50	0 46	12 20	16 14	11 35	12 9	1 5	7 34	1 44	
S 8	7 21	5 11	4 8	2 37	2 26	3 13	3 58	2 24	1 4	23 27	0 4	16 32	2 25	23 32	0 15	21 50	0 46	12 19	16 14	11 38	12 10	1 3	7 36	1 44	
S 9	7 43	8 50	4 40	1 56	2 25	3 15	3 47	2 6	1 4	23 27	0 4	16 31	2 25	23 32	0 15	21 50	0 46	12 19	16 15	11 42	12 11	1 1	7 37	1 44	
M10	8 6	12 10	5 0	1 14	2 23	3 17	3 35	1 47	1 3	23 27	0 4	16 30	2 25	23 32	0 15	21 50	0 46	12 18	16 15	11 45	12 13	0 59	7 38	1 44	
T 11	8 28	15 2	5 6	0 31	2 21	3 19	3 23	1 28	1 3	23 26	0 4	16 30	2 26	23 32	0 16	21 50	0 46	12 18	16 15	11 48	12 14	0 57	7 40	1 44	
W12	8 50	17 15	4 59	0n13	2 18	3 19	3 12	1 9	1 3	23 26	0 5	16 29	2 26	23 32	0 16	21 50	0 46	12 17	16 15	11 51	12 15	0 55	7 41	1 44	
T 13	9 11	18 42	4 37	0 57	2 15	3 19	3 1	0 50	1 3	23 26	0 5	16 28	2 26	23 32	0 16	21 50	0 46	12 17	16 15	11 53	12 16	0 53	7 42	1 44	
F 14	9 33	19 14	4 1	1 43	2 11	3 17	2 50	0 32	1 2	23 26	0 5	16 27	2 26	23 32	0 16	21 50	0 46	12 16	16 15	11 55	12 17	0 51	7 44	1 44	
S 15	9 55	18 45	3 11	2 29	2 7	3 15	2 39	0 13	1 2	23 26	0 5	16 26	2 26	23 32	0 16	21 50	0 46	12 16	16 15	11 55	12 18	0 49	7 45	1 44	
S 16	10 16	17 13	2 10	3 17	2 2	3 13	2 29	0n 6	1 2	23 26	0 5	16 25	2 26	23 32	0 16	21 50	0 46	12 16	16 15	11 55	12 19	0 47	7 46	1 44	
M17	10 37	14 39	1 0	4 5	1 57	3 9	2 18	0 25	1 2	23 25	0 5	16 24	2 26	23 32	0 16	21 50	0 46	12 15	16 15	11 55	12 20	0 45	7 47	1 44	
T 18	10 58	11 9	0n15	4 54	1 51	3 5	2 8	0 43	1 1	23 25	0 5	16 23	2 26	23 32	0 16	21 50	0 46	12 15	16 16	11 55	12 21	0 43	7 49	1 44	
W19	11 19	6 52	1 32	5 43	1 45	3 0	1 58	1 2	1 1	23 25	0 5	16 22	2 26	23 32	0 16	21 50	0 46	12 14	16 16	11 55	12 22	0 41	7 50	1 44	
T 20	11 39	2 5	2 44	6 33	1 38	2 55	1 48	1 21	1 1	23 25	0 5	16 21	2 26	23 32	0 16	21 50	0 45	12 14	16 16	11 56	12 23	0 39	7 51	1 44	
F 21	12 0	2s54	3 45	7 24	1 31	2 48	1 39	1 39	1 1	23 24	0 5	16 20	2 26	23 32	0 16	21 49	0 45	12 13	16 16	11 59	12 25	0 37	7 53	1 44	
S 22	12 20	7 42	4 31	8 15	1 23	2 41	1 29	1 58	1 0	23 24	0 5	16 19	2 26	23 32	0 16	21 49	0 45	12 13	16 16	12 1	12 26	0 35	7 54	1 44	
S 23	12 40	12 0	4 57	9 6	1 15	2 34	1 20	2 16	1 0	23 24	0 6	16 18	2 27	23 32	0 16	21 49	0 45	12 13	16 16	12 5	12 27	0 33	7 55	1 44	
M24	13 0	15 27	5 3	9 58	1 6	2 26	1 11	2 35	1 0	23 23	0 6	16 17	2 27	23 32	0 16	21 49	0 45	12 12	16 16	12 8	12 28	0 31	7 56	1 44	
T 25	13 19	17 52	4 49	10 50	0 58	2 17	1 2	2 54	0 59	23 23	0 6	16 15	2 27	23 32	0 16	21 49	0 45	12 12	16 17	12 11	12 29	0 29	7 58	1 43	
W26	13 39	19 7	4 19	11 42	0 48	2 7	0 54	3 12	0 59	23 23	0 6	16 14	2 27	23 32	0 16	21 49	0 45	12 12	16 17	12 14	12 30	0 27	7 59	1 43	
T 27	13 58	19 14	3 34	12 33	0 38	1 57	0 45	3 30	0 59	23 22	0 6	16 13	2 27	23 32	0 16	21 49	0 45	12 11	16 17	12 15	12 31	0 25	8 0	1 43	
F 28	14 17	18 19	2 40	13 25	0 29	1 47	0 37	3 49	0 58	23 22	0 6	16 12	2 27	23 32	0 16	21 49	0 45	12 11	16 17	12 16	12 32	0 23	8 2	1 43	
S 29	14 35	16 31	1 40	14 16	0 18	1 35	0 29	4 7	0 58	23 21	0 6	16 11	2 27	23 33	0 16	21 49	0 45	12 11	16 17	12 16	12 33	0 21	8 3	1 43	
S 30	14n54	13s59	0n37	15n 6	0s 8	1s24	0n21	4n25	0s58	23n21	0n 6	16s10	2n27	23s33	0s16	21n49	0s45	12s10	16s18	12n16	12n34	0s19	8n 4	1n43	

ASTRODIENST EPHEMERIS for the year 2073

geocentric

MAY 2073

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	14 38 11	11♈14°51	2♈46	13♈30	26♈28	14♈13	7♈5	23°R 1	6°R17	15♈14	7°Y 2	27°R41	26♈45	7°Y 0	16°Y32	M 1
T 2	14 42 7	12°13'06	14°38	15°39	27°17	14°59	7°15	22♈57	6♈16	15°15	7°3	27♈40	26°42	7°7	16°36	T 2
W 3	14 46 4	13°11'21	26°25	17°49	28°7	15°45	7°26	22°52	6°15	15°17	7°4	27°37	26°39	7°14	16°39	W 3
T 4	14 50 0	14°9'33	8°Y13	19°58	28°57	16°31	7°36	22°48	6°14	15°18	7°6	27°31	26°36	7°20	16°42	T 4
F 5	14 53 57	15°7'44	20°5	22°6	29°48	17°17	7°47	22°43	6°13	15°19	7°7	27°22	26°33	7°27	16°45	F 5
S 6	14 57 53	16°5'54	2♈2	24°14	0°Y40	18°3	7°57	22°39	6°11	15°20	7°8	27°10	26°29	7°34	16°48	S 6
S 7	15 1 50	17°4'02	14°8	26°20	1°32	18°49	8°8	22°34	6°10	15°22	7°9	26°57	26°26	7°40	16°52	S 7
M 8	15 5 46	18°2'08	26°23	28°25	2°25	19°35	8°19	22°30	6°9	15°23	7°10	26°44	26°23	7°47	16°55	M 8
T 9	15 9 43	19°0'13	8♈48	0♈28	3°19	20°21	8°30	22°25	6°7	15°24	7°12	26°31	26°20	7°54	16°58	T 9
W10	15 13 39	19°58'16	21°24	2°29	4°13	21°7	8°41	22°21	6°6	15°26	7°13	26°19	26°17	8°1	17°1	W10
T 11	15 17 36	20°56'17	4♈10	4°27	5°7	21°52	8°52	22°16	6°5	15°27	7°14	26°10	26°14	8°7	17°4	T 11
F 12	15 21 33	21°54'17	17°8	6°23	6°2	22°38	9°3	22°12	6°3	15°29	7°15	26°4	26°10	8°14	17°7	F 12
S 13	15 25 29	22°52'15	0♈20	8°17	6°58	23°23	9°14	22°7	6°2	15°30	7°16	26°1	26°7	8°21	17°10	S 13
S 14	15 29 26	23°50'10	13°46	10°8	7°54	24°9	9°25	22°3	6°0	15°32	7°17	26°0	26°4	8°27	17°13	S 14
M15	15 33 22	24°48'04	27°29	11°55	8°51	24°55	9°37	21°58	5°58	15°33	7°18	26°0	26°1	8°34	17°16	M15
T 16	15 37 19	25°45'57	11♈30	13°40	9°48	25°40	9°48	21°54	5°57	15°35	7°19	25°59	25°58	8°41	17°19	T 16
W17	15 41 15	26°43'47	25°48	15°21	10°45	26°25	10°0	21°49	5°55	15°36	7°20	25°57	25°54	8°47	17°22	W17
T 18	15 45 12	27°41'36	10♈23	17°0	11°43	27°11	10°11	21°45	5°53	15°38	7°22	25°53	25°51	8°54	17°25	T 18
F 19	15 49 8	28°39'23	25°9	18°34	12°41	27°56	10°23	21°40	5°52	15°40	7°23	25°47	25°48	9°1	17°27	F 19
S 20	15 53 5	29°37'08	10♈1	20°6	13°39	28°41	10°35	21°36	5°50	15°41	7°24	25°37	25°45	9°7	17°30	S 20
S 21	15 57 2	0♈34°52	24°50	21°34	14°38	29°27	10°46	21°32	5°48	15°43	7°25	25°26	25°42	9°14	17°33	S 21
M22	16 0 58	1°32'35	9♈27	22°59	15°38	0♈12	10°58	21°27	5°46	15°45	7°25	25°15	25°39	9°21	17°36	M22
T 23	16 4 55	2°30'17	23°45	24°20	16°37	0°57	11°10	21°23	5°44	15°46	7°26	25°5	25°35	9°27	17°39	T 23
W24	16 8 51	3°27'57	7♈39	25°37	17°37	1°42	11°22	21°18	5°42	15°48	7°27	24°56	25°32	9°34	17°41	W24
T 25	16 12 48	4°25'36	21°6	26°51	18°38	2°27	11°34	21°14	5°40	15°50	7°28	24°50	25°29	9°41	17°44	T 25
F 26	16 16 44	5°23'14	4♈6	28°1	19°38	3°12	11°46	21°10	5°38	15°52	7°29	24°47	25°26	9°47	17°46	F 26
S 27	16 20 41	6°20'51	16°43	29°7	20°39	3°57	11°58	21°6	5°36	15°53	7°30	24°45	25°23	9°54	17°49	S 27
S 28	16 24 38	7°18'27	29°0	0♈10	21°41	4°42	12°10	21°1	5°34	15°55	7°31	24°D45	25°20	10°1	17°52	S 28
M29	16 28 34	8°16'03	11♈2	1°9	22°42	5°27	12°23	20°57	5°32	15°57	7°32	24°R45	25°16	10°7	17°54	M29
T 30	16 32 31	9°13'37	22°55	2°4	23°44	6°11	12°35	20°53	5°30	15°59	7°33	24°44	25°13	10°14	17°57	T 30
W31	16 36 27	10♈11°10	4°Y45	2♈54	24°Y46	6♈56	12♈47	20♈49	5♈28	16♈1	7°Y33	24♈42	25♈10	10°Y21	17°Y59	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	15n12	10s54	0s27	15n56	0n 3	1s12	0n14	4n43	0s57	23n21	0n 6	16s 9	2n27	23s33	0s16	21n49
T 2	15 30	7 25	1 29	16 44	0 13	0 59	0 6	5 2	0 57	23 20	0 6	16 8	2 27	23 33	0 16	21 49
W 3	15 47	3 40	2 26	17 31	0 24	0 46	0s 1	5 20	0 57	23 20	0 6	16 7	2 27	23 33	0 16	21 48
T 4	16 5	0n14	3 17	18 17	0 35	0 32	0 8	5 38	0 56	23 19	0 7	16 6	2 27	23 33	0 16	21 48
F 5	16 22	4 8	4 0	19 1	0 45	0 18	0 15	5 56	0 56	23 19	0 7	16 4	2 27	23 33	0 16	21 48
S 6	16 39	7 55	4 32	19 43	0 55	0 4	0 21	6 13	0 55	23 18	0 7	16 3	2 27	23 33	0 16	21 48
S 7	16 55	11 24	4 53	20 23	1 5	0n11	0 28	6 31	0 55	23 17	0 7	16 2	2 27	23 33	0 16	21 48
M 8	17 12	14 28	5 0	21 1	1 15	0 27	0 34	6 49	0 55	23 17	0 7	16 1	2 27	23 33	0 16	21 48
T 9	17 28	16 55	4 53	21 36	1 24	0 42	0 40	7 7	0 54	23 16	0 7	16 0	2 27	23 33	0 16	21 48
W10	17 43	18 37	4 32	22 9	1 32	0 58	0 46	7 24	0 54	23 16	0 7	15 59	2 27	23 33	0 16	21 48
T 11	17 59	19 24	3 58	22 40	1 40	1 15	0 51	7 42	0 53	23 15	0 7	15 58	2 27	23 33	0 16	21 47
F 12	18 14	19 11	3 10	23 8	1 48	1 32	0 57	7 59	0 53	23 14	0 7	15 57	2 27	23 34	0 16	21 47
S 13	18 29	17 56	2 11	23 34	1 54	1 49	1 2	8 16	0 52	23 14	0 7	15 56	2 27	23 34	0 16	21 47
S 14	18 43	15 40	1 4	23 57	2 0	2 6	1 7	8 33	0 52	23 13	0 7	15 55	2 27	23 34	0 16	21 47
M15	18 58	12 28	0n 8	24 17	2 6	2 24	1 12	8 50	0 51	23 12	0 8	15 53	2 27	23 34	0 16	21 47
T 16	19 11	8 30	1 21	24 35	2 10	2 42	1 17	9 7	0 51	23 12	0 8	15 52	2 27	23 34	0 16	21 47
W17	19 25	3 58	2 31	24 50	2 14	3 0	1 22	9 24	0 51	23 11	0 8	15 51	2 26	23 34	0 16	21 47
T 18	19 38	0s52	3 32	25 4	2 17	3 18	1 26	9 41	0 50	23 10	0 8	15 50	2 26	23 34	0 16	21 46
F 19	19 51	5 42	4 19	25 14	2 19	3 37	1 31	9 58	0 50	23 9	0 8	15 49	2 26	23 34	0 16	21 46
S 20	20 4	10 13	4 50	25 23	2 20	3 56	1 35	10 14	0 49	23 8	0 8	15 48	2 26	23 34	0 16	21 46
S 21	20 16	14 6	5 1	25 30	2 20	4 15	1 39	10 31	0 49	23 7	0 8	15 47	2 26	23 34	0 16	21 46
M22	20 28	17 3	4 52	25 34	2 20	4 34	1 42	10 47	0 48	23 7	0 8	15 46	2 26	23 34	0 16	21 46
T 23	20 39	18 53	4 24	25 37	2 18	4 54	1 46	11 3	0 48	23 6	0 8	15 45	2 26	23 35	0 16	21 46
W24	20 50	19 31	3 42	25 37	2 16	5 13	1 50	11 19	0 47	23 5	0 8	15 44	2 26	23 35	0 16	21 45
T 25	21 1	19 0	2 48	25 36	2 13	5 33	1 53	11 35	0 47	23 4	0 8	15 43	2 26	23 35	0 16	21 45
F 26	21 11	17 29	1 47	25 34	2 9	5 53	1 56	11 51	0 46	23 3	0 8	15 42	2 26	23 35	0 16	21 45
S 27	21 21	15 9	0 43	25 29	2 4	6 13	1 59	12 7	0 46	23 2	0 9	15 41	2 26	23 35	0 16	21 45
S 28	21 31	12 10	0s23	25 24	1 58	6 33	2 2	12 22	0 45	23 1	0 9	15 40	2 25	23 35	0 16	21 45
M29	21 40	8 44	1 25	25 17	1 52	6 54	2 5	12 38	0 44	23 0	0 9	15 39	2 25	23 35	0 16	21 45
T 30	21 49	5 0	2 24	25 9	1 44	7 14	2 7	12 53	0 44	22 59	0 9	15 38	2 25	23 35	0 17	21 44
W31	21n58	1s 6	3s15	24n59	1n36	7n35	2s10	13n 8	0s43	22n58	0n 9	15s37	2n25	23s35	0s17	21n44

Julian Day Number = 2478328.5, Delta T = 82.20 sec
 Ecliptic obliquity = 23°25'39", Nutation = - 0°00'11", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 25°45'53", Lahiri = 24°52'54"

ASTRODIENST EPHEMERIS for the year 2073

geocentric

JUNE 2073

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 40 24	11 ^{II} 8'43	16 ^V 35	3 [♂] 41	25 ^V 49	7 [♂] 41	13 [♂] 0	20 ^R 45	5 ^R 26	16 [♂] 3	7 ^V 34	24 ^R 37	25 [♂] 7	10 ^V 28	18 ^V 1	T 1
F 2	16 44 20	12° 6'15	28°30	4°24	26°51	8°26	13°12	20 ^{III} 41	5 [♂] 24	16° 5	7°35	24 [♂] 29	25° 4	10°34	18° 4	F 2
S 3	16 48 17	13° 3'46	10 [♂] 34	5° 2	27°54	9°10	13°25	20°37	5°22	16° 7	7°36	24°20	25° 0	10°41	18° 6	S 3
S 4	16 52 13	14° 1'16	22°50	5°36	28°57	9°55	13°37	20°33	5°19	16° 8	7°36	24° 8	24°57	10°48	18° 8	S 4
M 5	16 56 10	14°58'45	5 ^{II} 17	6° 6	0 [♂] 1	10°39	13°50	20°29	5°17	16°10	7°37	23°56	24°54	10°54	18°11	M 5
T 6	17 0 6	15°56'13	17°58	6°31	1° 4	11°23	14° 3	20°25	5°15	16°12	7°38	23°44	24°51	11° 1	18°13	T 6
W 7	17 4 3	16°53'41	0 [♂] 52	6°52	2° 8	12° 8	14°15	20°21	5°13	16°14	7°38	23°34	24°48	11° 8	18°15	W 7
T 8	17 8 0	17°51'07	13°58	7° 8	3°12	12°52	14°28	20°17	5°10	16°16	7°39	23°26	24°45	11°14	18°17	T 8
F 9	17 11 56	18°48'33	27°15	7°20	4°16	13°36	14°41	20°14	5° 8	16°18	7°40	23°21	24°41	11°21	18°19	F 9
S 10	17 15 53	19°45'57	10 [♂] 44	7°27	5°20	14°20	14°54	20°10	5° 6	16°20	7°40	23°18	24°38	11°28	18°21	S 10
S 11	17 19 49	20°43'21	24°22	7°R29	6°25	15° 5	15° 7	20° 6	5° 3	16°22	7°41	23°D18	24°35	11°34	18°23	S 11
M12	17 23 46	21°40'43	8 ^{III} 12	7°27	7°30	15°49	15°19	20° 3	5° 1	16°25	7°41	23°18	24°32	11°41	18°25	M12
T 13	17 27 42	22°38'05	22°12	7°21	8°35	16°33	15°32	20° 0	4°59	16°27	7°42	23°R19	24°29	11°48	18°27	T 13
W14	17 31 39	23°35'25	6 [♂] 22	7°10	9°40	17°17	15°45	19°56	4°56	16°29	7°43	23°18	24°26	11°54	18°29	W14
T 15	17 35 36	24°32'44	20°41	6°55	10°45	18° 0	15°58	19°53	4°54	16°31	7°43	23°15	24°22	12° 1	18°31	T 15
F 16	17 39 32	25°30'02	5 ^{III} 6	6°36	11°51	18°44	16°11	19°50	4°52	16°33	7°44	23°11	24°19	12° 8	18°33	F 16
S 17	17 43 29	26°27'20	19°32	6°14	12°56	19°28	16°24	19°46	4°49	16°35	7°44	23° 4	24°16	12°15	18°35	S 17
S 18	17 47 25	27°24'37	3 [♂] 56	5°48	14° 2	20°12	16°38	19°43	4°47	16°37	7°44	22°56	24°13	12°21	18°36	S 18
M19	17 51 22	28°21'53	18°10	5°20	15° 8	20°55	16°51	19°40	4°44	16°39	7°45	22°47	24°10	12°28	18°38	M19
T 20	17 55 18	29°19'08	2 [♂] 8	4°49	16°14	21°39	17° 4	19°37	4°42	16°41	7°45	22°39	24° 6	12°35	18°40	T 20
W21	17 59 15	0 [♂] 16'24	15°48	4°17	17°20	22°22	17°17	19°34	4°40	16°44	7°46	22°32	24° 3	12°41	18°41	W21
T 22	18 3 11	1°13'38	29° 6	3°43	18°27	23° 6	17°30	19°32	4°37	16°46	7°46	22°28	24° 0	12°48	18°43	T 22
F 23	18 7 8	2°10'53	12 [♂] 2	3° 8	19°33	23°49	17°43	19°29	4°35	16°48	7°46	22°25	23°57	12°55	18°44	F 23
S 24	18 11 5	3° 8'07	24°38	2°33	20°40	24°32	17°57	19°26	4°32	16°50	7°47	22°D25	23°54	13° 1	18°46	S 24
S 25	18 15 1	4° 5'21	6 [♂] 55	1°59	21°47	25°16	18°10	19°24	4°30	16°52	7°47	22°26	23°51	13° 8	18°47	S 25
M26	18 18 58	5° 2'34	18°59	1°26	22°53	25°59	18°23	19°21	4°27	16°54	7°47	22°27	23°47	13°15	18°48	M26
T 27	18 22 54	5°59'48	0 ^V 54	0°54	24° 1	26°42	18°37	19°19	4°25	16°57	7°47	22°R28	23°44	13°21	18°50	T 27
W28	18 26 51	6°57'02	12°45	0°25	25° 8	27°25	18°50	19°17	4°22	16°59	7°48	22°28	23°41	13°28	18°51	W28
T 29	18 30 47	7°54'16	24°38	29 ^{II} 58	26°15	28° 8	19° 3	19°14	4°20	17° 1	7°48	22°26	23°38	13°35	18°52	T 29
F 30	18 34 44	8 [♂] 51'29	6 [♂] 36	29 ^{II} 34	27 [♂] 23	28 [♂] 51	19 [♂] 17	19 ^{III} 12	4 [♂] 18	17 [♂] 3	7 ^V 48	22 [♂] 23	23 [♂] 35	13 ^V 41	18 ^V 53	F 30

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	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 6	2n50	3s59	24n49	1n26	7n55	2s12	13n23	0s43	22n56	0n 9	15s36	2n25	23s35	0s17	21n44	0s44	12s 5	16s26	13n19	13n 9	0n46	8n39	1n43	
F 2	22 14	6 42	4 32	24 38	1 16	8 16	2 14	13 38	0 42	22 55	0 9	15 35	2 25	23 36	0 17	21 44	0 44	12 5	16 26	13 21	13 10	0 48	8 40	1 43	
S 3	22 21	10 20	4 53	24 25	1 6	8 36	2 16	13 53	0 42	22 54	0 9	15 34	2 25	23 36	0 17	21 44	0 44	12 5	16 27	13 24	13 11	0 50	8 41	1 43	
S 4	22 28	13 36	5 2	24 12	0 54	8 57	2 18	14 8	0 41	22 53	0 9	15 33	2 25	23 36	0 17	21 43	0 44	12 5	16 27	13 28	13 12	0 52	8 42	1 43	
M 5	22 35	16 19	4 56	23 59	0 41	9 17	2 20	14 22	0 41	22 52	0 9	15 32	2 24	23 36	0 17	21 43	0 44	12 5	16 27	13 32	13 13	0 54	8 43	1 43	
T 6	22 41	18 18	4 36	23 44	0 28	9 38	2 21	14 36	0 40	22 51	0 9	15 31	2 24	23 36	0 17	21 43	0 44	12 5	16 28	13 36	13 14	0 56	8 44	1 43	
W 7	22 47	19 24	4 1	23 29	0 14	9 58	2 23	14 51	0 39	22 49	0 9	15 31	2 24	23 36	0 17	21 43	0 44	12 5	16 28	13 39	13 15	0 58	8 44	1 43	
T 8	22 52	19 30	3 13	23 14	0s 0	10 19	2 24	15 5	0 39	22 48	0 10	15 30	2 24	23 36	0 17	21 42	0 44	12 5	16 29	13 42	13 16	1 0	8 45	1 43	
F 9	22 57	18 30	2 14	22 58	0 15	10 39	2 25	15 18	0 38	22 47	0 10	15 29	2 24	23 36	0 17	21 42	0 44	12 6	16 29	13 44	13 17	1 2	8 46	1 43	
S 10	23 2	16 28	1 7	22 42	0 31	11 0	2 26	15 32	0 38	22 45	0 10	15 28	2 24	23 36	0 17	21 42	0 44	12 6	16 29	13 45	13 18	1 4	8 47	1 43	
S 11	23 6	13 29	0n 6	22 26	0 47	11 20	2 27	15 46	0 37	22 44	0 10	15 27	2 23	23 37	0 17	21 42	0 44	12 6	16 30	13 45	13 19	1 6	8 48	1 43	
M12	23 10	9 43	1 19	22 10	1 4	11 40	2 28	15 59	0 36	22 43	0 10	15 27	2 23	23 37	0 17	21 42	0 44	12 6	16 30	13 45	13 20	1 8	8 48	1 43	
T 13	23 13	5 22	2 28	21 53	1 20	12 0	2 29	16 12	0 36	22 41	0 10	15 26	2 23	23 37	0 17	21 41	0 44	12 6	16 30	13 45	13 21	1 10	8 49	1 43	
W14	23 16	0 40	3 29	21 37	1 37	12 20	2 29	16 25	0 35	22 40	0 10	15 25	2 23	23 37	0 17	21 41	0 44	12 6	16 31	13 45	13 22	1 13	8 50	1 43	
T 15	23 19	4s 5	4 18	21 21	1 54	12 40	2 30	16 38	0 34	22 38	0 10	15 24	2 23	23 37	0 17	21 41	0 44	12 6	16 31	13 46	13 23	1 15	8 51	1 43	
F 16	23 21	8 39	4 50	21 5	2 11	13 0	2 30	16 51	0 34	22 37	0 10	15 24	2 23	23 37	0 17	21 41	0 44	12 6	16 31	13 47	13 25	1 17	8 51	1 43	
S 17	23 23	12 43	5 5	20 49	2 28	13 19	2 30	17 3	0 33	22 35	0 10	15 23	2 22	23 37	0 17	21 40	0 44	12 6	16 32	13 49	13 26	1 19	8 52	1 43	
S 18	23 24	16 1	5 0	20 34	2 44	13 39	2 30	17 16	0 33	22 34	0 10	15 23	2 22	23 37	0 17	21 40	0 44	12 7	16 32	13 52	13 27	1 21	8 53	1 43	
M19	23 25	18 19	4 36	20 19	3 0	13 58	2 30	17 28	0 32	22 32	0 10	15 22	2 22	23 37	0 17	21 40	0 44	12 7	16 32	13 55	13 28	1 23	8 53	1 43	
T 20	23 26	19 28	3 56	20 6	3 15	14 17	2 30	17 40	0 31	22 31	0 11	15 21	2 22	23 37	0 17	21 40	0 44	12 7	16 33	13 58	13 29	1 25	8 54	1 43	
W21	23 26	19 27	3 4	19 52	3 29	14 36	2 30	17 52	0 31	22 29	0 11	15 21	2 22	23 38	0 17	21 39	0 44	12 7	16 33	14 0	13 30	1 27	8 55	1 43	
T 22	23 25	18 20	2 2	19 40	3 43	14 55	2 30	18 3	0 30	22 28	0 11	15 20	2 21	23 38	0 17	21 39	0 44	12 7	16 34	14 1	13 31	1 29	8 55	1 43	
F 23	23 25	16 17	0 56	19 29	3 55	15 13	2 29	18 15	0 29	22 26	0 11	15 20	2 21	23 38	0 17	21 39	0 44	12 8	16 34	14 2	13 32	1 31	8 56	1 43	
S 24	23 23	13 30	0s12	19 19	4 6	15 31	2 29	18 26	0 29	22 24	0 11	15 19	2 21	23 38	0 17	21 39	0 44	12 8	16 34	14 2	13 33	1 33	8 56	1 43	
S 25	23 22	10 10	1 18	19 9	4 15	15 49	2 28	18 37	0 28	22 23	0 11	15 19	2 21	23 38	0 17	21 38	0 44	12 8	16 35	14 2	13 34	1 35	8 57	1 43	
M26	23 20	6 29	2 19	19 2	4 24	16 7	2 27	18 48	0 27	22 21	0 11	15 18	2 20	23 38	0 17	21 38	0 44	12 8	16 35	14 1	13 35	1 37	8 57	1 43	
T 27	23 17	2 35	3 13	18 55	4 30	16 24	2 26	18 59	0 27	22 19	0 11	15 18	2 20	23 38	0 17	21 38	0 44	12 9	16 35	14 1	13 36	1 39	8 58	1 43	
W28	23 15	1n22	3 58	18 50	4 36	16 41	2 25	19 9	0 26	22 17	0 11	15 17	2 20	23 38	0 17	21 38	0 44	12 9	16 36	14 1	13 37	1 41	8 58	1 43	
T 29	23 11	5 17	4 34	18 46	4 39	16 58	2 24	19 20	0 25	22 16	0 11	15 17	2 20	23 38	0 17	21 37	0 44	12 9	16 36	14 2	13 38	1 43	8 59	1 43	
F 30	23n 8	9n 1	4s58	18n44	4s42	17n14	2s23	19n30	0s24	22n14	0n11	15s17	2n20	23s38	0s17	21n37	0s44	12s 9	16s37	14n 3	13n39	1n45	8n59	1n43	

ASTRODIENST EPHEMERIS for the year 2073
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JULY 2073

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Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	18 38 40	9♂48'43	18♂45	29°R14	28♂30	29♂34	19♂30	19°R10	4°R15	17♂5 5	7♂48	22°R18	23♂32	13♂48	18♂54	S 1
S 2	18 42 37	10°45'57	1♂ 7	28♂57	29°38	0♂17	19°43	19♂ 8	4♂13	17° 8	7°48	22♂12	23°28	13°55	18°55	S 2
M 3	18 46 34	11°43'11	13°45	28°45	0♂46	0°59	19°57	19° 6	4°10	17°10	7°48	22° 5	23°25	14° 2	18°56	M 3
T 4	18 50 30	12°40'25	26°40	28°38	1°54	1°42	20°10	19° 4	4° 8	17°12	7°48	21°58	23°22	14° 8	18°57	T 4
W 5	18 54 27	13°37'40	9♂52	28°D35	3° 2	2°25	20°24	19° 3	4° 6	17°14	7°48	21°52	23°19	14°15	18°58	W 5
T 6	18 58 23	14°34'54	23°19	28°37	4°10	3° 7	20°37	19° 1	4° 3	17°17	7°49	21°48	23°16	14°22	18°59	T 6
F 7	19 2 20	15°32'08	7♂ 0	28°44	5°18	3°50	20°50	19° 0	4° 1	17°19	7°R49	21°45	23°12	14°28	19° 0	F 7
S 8	19 6 16	16°29'22	20°53	28°56	6°27	4°32	21° 4	18°58	3°58	17°21	7°49	21°D44	23° 9	14°35	19° 0	S 8
S 9	19 10 13	17°26'36	4♂54	29°13	7°35	5°14	21°17	18°57	3°56	17°23	7°49	21°45	23° 6	14°42	19° 1	S 9
M10	19 14 9	18°23'50	19° 0	29°35	8°44	5°57	21°31	18°56	3°54	17°25	7°48	21°46	23° 3	14°48	19° 2	M10
T 11	19 18 6	19°21'03	3♂11	0♂ 3	9°52	6°39	21°44	18°55	3°51	17°28	7°48	21°47	23° 0	14°55	19° 2	T 11
W12	19 22 3	20°18'17	17°23	0°35	11° 1	7°21	21°58	18°53	3°49	17°30	7°48	21°R48	22°57	15° 2	19° 3	W12
T 13	19 25 59	21°15'30	1♂35	1°13	12°10	8° 3	22°11	18°53	3°47	17°32	7°48	21°48	22°53	15° 9	19° 3	T 13
F 14	19 29 56	22°12'43	15°45	1°56	13°19	8°45	22°25	18°52	3°44	17°34	7°48	21°46	22°50	15°15	19° 4	F 14
S 15	19 33 52	23° 9'57	29°50	2°44	14°28	9°27	22°38	18°51	3°42	17°37	7°48	21°43	22°47	15°22	19° 4	S 15
S 16	19 37 49	24° 7'10	13♂47	3°37	15°37	10° 9	22°52	18°50	3°40	17°39	7°48	21°40	22°44	15°29	19° 4	S 16
M17	19 41 45	25° 4'24	27°33	4°34	16°46	10°50	23° 5	18°50	3°38	17°41	7°47	21°36	22°41	15°35	19° 5	M17
T 18	19 45 42	26° 1'38	11♂ 6	5°37	17°55	11°32	23°19	18°49	3°36	17°43	7°47	21°32	22°38	15°42	19° 5	T 18
W19	19 49 38	26°58'52	24°24	6°45	19° 5	12°14	23°32	18°49	3°33	17°45	7°47	21°29	22°34	15°49	19° 5	W19
T 20	19 53 35	27°56'07	7♂25	7°57	20°14	12°55	23°45	18°49	3°31	17°48	7°47	21°27	22°31	15°55	19° 5	T 20
F 21	19 57 32	28°53'22	20° 9	9°13	21°24	13°37	23°59	18°48	3°29	17°50	7°46	21°D27	22°28	16° 2	19° 5	F 21
S 22	20 1 28	29°50'37	2♂37	10°35	22°34	14°18	24°12	18°D48	3°27	17°52	7°46	21°27	22°25	16° 9	19°R 5	S 22
S 23	20 5 25	0♂47'53	14°51	12° 1	23°43	15° 0	24°26	18°48	3°25	17°54	7°46	21°28	22°22	16°15	19° 5	S 23
M24	20 9 21	1°45'10	26°54	13°31	24°53	15°41	24°39	18°48	3°23	17°56	7°45	21°30	22°18	16°22	19° 5	M24
T 25	20 13 18	2°42'28	8♂49	15° 5	26° 3	16°22	24°53	18°49	3°21	17°59	7°45	21°31	22°15	16°29	19° 5	T 25
W26	20 17 14	3°39'47	20°41	16°43	27°13	17° 3	25° 6	18°49	3°19	18° 1	7°45	21°32	22°12	16°36	19° 5	W26
T 27	20 21 11	4°37'06	2♂34	18°25	28°23	17°44	25°19	18°49	3°17	18° 3	7°44	21°R33	22° 9	16°42	19° 5	T 27
F 28	20 25 7	5°34'26	14°33	20°11	29°33	18°25	25°33	18°50	3°15	18° 5	7°44	21°33	22° 6	16°49	19° 4	F 28
S 29	20 29 4	6°31'48	26°42	22° 0	0♂44	19° 6	25°46	18°50	3°13	18° 7	7°43	21°32	22° 3	16°56	19° 4	S 29
S 30	20 33 1	7°29'10	9♂ 7	23°52	1°54	19°47	25°59	18°51	3°11	18° 9	7°43	21°30	21°59	17° 2	19° 3	S 30
M31	20 36 57	8♂26'34	21♂49	25♂47	3♂ 4	20♂28	26♂13	18♂52	3♂ 9	18♂11	7♂42	21♂29	21♂56	17♂ 9	19♂ 3	M31

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	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	23n 4	12n26	5s 9	18n43	4s42	17n30	2s22	19n40	0s24	22n12	0n12	15s16	2n19	23s38	0s17	21n37	0s44	12s10	16s37	14n 4	13n40	1n47	9n 0	1n43	
S 2	22 59	15 23	5 6	18 44	4 42	17 46	2 21	19 49	0 23	22 10	0 12	15 16	2 19	23 39	0 17	21 37	0 44	12 10	16 37	14 6	13 41	1 49	9 0	1 43	
M 3	22 55	17 41	4 48	18 46	4 40	18 2	2 19	19 59	0 22	22 8	0 12	15 16	2 19	23 39	0 17	21 36	0 44	12 10	16 38	14 9	13 42	1 52	9 1	1 44	
T 4	22 49	19 8	4 15	18 49	4 36	18 17	2 18	20 8	0 22	22 6	0 12	15 15	2 19	23 39	0 17	21 36	0 44	12 11	16 38	14 11	13 43	1 54	9 1	1 44	
W 5	22 44	19 36	3 28	18 54	4 31	18 32	2 16	20 17	0 21	22 5	0 12	15 15	2 18	23 39	0 17	21 36	0 44	12 11	16 38	14 13	13 44	1 56	9 1	1 44	
T 6	22 38	18 58	2 28	19 0	4 26	18 46	2 15	20 26	0 20	22 3	0 12	15 15	2 18	23 39	0 17	21 35	0 44	12 11	16 39	14 14	13 45	1 58	9 2	1 44	
F 7	22 31	17 14	1 19	19 7	4 19	19 0	2 13	20 35	0 19	22 1	0 12	15 15	2 18	23 39	0 17	21 35	0 44	12 11	16 39	14 15	13 47	2 0	9 2	1 44	
S 8	22 25	14 27	0 5	19 15	4 11	19 13	2 11	20 44	0 19	21 59	0 12	15 15	2 18	23 39	0 17	21 35	0 44	12 12	16 39	14 15	13 48	2 2	9 2	1 44	
S 9	22 17	10 49	1n11	19 24	4 2	19 26	2 9	20 52	0 18	21 57	0 12	15 15	2 17	23 39	0 17	21 35	0 44	12 12	16 40	14 15	13 49	2 4	9 3	1 44	
M10	22 10	6 33	2 23	19 34	3 52	19 39	2 7	21 0	0 17	21 55	0 12	15 15	2 17	23 39	0 17	21 34	0 44	12 13	16 40	14 15	13 50	2 6	9 3	1 44	
T 11	22 2	1 54	3 27	19 44	3 41	19 51	2 5	21 8	0 17	21 53	0 12	15 14	2 17	23 39	0 17	21 34	0 44	12 13	16 41	14 14	13 51	2 8	9 3	1 44	
W12	21 54	2s51	4 18	19 56	3 30	20 3	2 3	21 16	0 16	21 51	0 13	15 14	2 17	23 39	0 17	21 34	0 44	12 13	16 41	14 14	13 52	2 10	9 3	1 44	
T 13	21 45	7 25	4 54	20 7	3 18	20 14	2 1	21 24	0 15	21 49	0 13	15 14	2 16	23 39	0 17	21 34	0 44	12 14	16 41	14 14	13 53	2 12	9 3	1 44	
F 14	21 36	11 35	5 11	20 19	3 6	20 25	1 59	21 31	0 14	21 46	0 13	15 14	2 16	23 39	0 17	21 33	0 44	12 14	16 42	14 15	13 54	2 14	9 4	1 44	
S 15	21 26	15 3	5 10	20 31	2 53	20 36	1 56	21 38	0 13	21 44	0 13	15 14	2 16	23 40	0 17	21 33	0 44	12 14	16 42	14 16	13 55	2 16	9 4	1 44	
S 16	21 17	17 39	4 50	20 43	2 40	20 46	1 54	21 45	0 13	21 42	0 13	15 15	2 16	23 40	0 17	21 33	0 44	12 15	16 42	14 17	13 56	2 18	9 4	1 44	
M17	21 6	19 11	4 14	20 55	2 26	20 55	1 52	21 52	0 12	21 40	0 13	15 15	2 15	23 40	0 17	21 32	0 44	12 15	16 43	14 18	13 57	2 20	9 4	1 44	
T 18	20 56	19 35	3 24	21 6	2 13	21 4	1 49	21 58	0 11	21 38	0 13	15 15	2 15	23 40	0 17	21 32	0 44	12 16	16 43	14 19	13 58	2 22	9 4	1 44	
W19	20 45	18 53	2 23	21 17	1 59	21 12	1 47	22 5	0 10	21 36	0 13	15 15	2 15	23 40	0 17	21 32	0 43	12 16	16 43	14 20	13 59	2 25	9 4	1 44	
T 20	20 34	17 11	1 16	21 27	1 45	21 20	1 44	22 11	0 10	21 33	0 13	15 15	2 15	23 40	0 17	21 32	0 43	12 17	16 44	14 21	14 0	2 27	9 4	1 44	
F 21	20 22	14 39	0 7	21 36	1 30	21 27	1 42	22 17	0 9	21 31	0 13	15 15	2 14	23 40	0 17	21 31	0 43	12 17	16 44	14 21	14 1	2 29	9 4	1 44	
S 22	20 10	11 29	1s 1	21 44	1 16	21 34	1 39	22 22	0 8	21 29	0 13	15 15	2 14	23 40	0 17	21 31	0 43	12 17	16 45	14 21	14 2	2 31	9 4	1 44	
S 23	19 58	7 54	2 6	21 51	1 2	21 40	1 36	22 28	0 7	21 27	0 14	15 16	2 14	23 40	0 17	21 31	0 43	12 18	16 45	14 20	14 3	2 33	9 4	1 44	
M24	19 46	4 2	3 3	21 56	0 49	21 46	1 34	22 33	0 6	21 24	0 14	15 16	2 14	23 40	0 17	21 30	0 43	12 18	16 45	14 20	14 4	2 35	9 4	1 44	
T 25	19 33	0 4	3 52	22 0	0 35	21 51	1 31	22 38	0 6	21 22	0 14	15 16	2 13	23 40	0 17	21 30	0 43	12 19	16 46	14 19	14 5	2 37	9 4	1 44	
W26	19 19	3n53	4 31	22 1	0 22	21 56	1 28	22 43	0 5	21 20	0 14	15 17	2 13	23 40	0 17	21 30	0 43	12 19	16 46	14 19	14 6	2 39	9 4	1 44	
T 27	19 6	7 40	4 59	22 1	0 9	22 0	1 25	22 48	0 4	21 17	0 14	15 17	2 13	23 40	0 17	21 30	0 43	12 20	16 46	14 19	14 7	2 41	9 4	1 44	
F 28	18 52	11 12	5 14	21 58	0n 4	22 3	1 22	22 52	0 3	21 15	0 14	15 17	2 13	23 40	0 17	21 29	0 43	12 20	16 47	14 19	14 8	2 43	9 4	1 44	
S 29	18 38	14 18	5 15	21 53	0 15	22 6	1 20	22 56	0 2	21 13	0 14	15 18	2 12	23 40	0 17	21 29	0 43	12 21	16 47	14 19	14 9	2 45	9 4	1 44	
S 30	18 23	16 50	5 1	21 46	0 27	22 8	1 17	23 0	0 2	21 10	0 14	15 18	2 12	23 40	0 17	21 29	0 43	12 21	16 47	14 20	14 10	2 47	9 4	1 44	
M31	18n 9	18n38	4s33	21n36	0n37	22n10	1s14	23n 4	0s 1	21n 8	0n14	15s19	2n12	23s40	0s17	21n28	0s43	12s22	16s48	14n20	14n11	2n49	9n 4	1n44	

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AUGUST 2073

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	20 40 54	9♏23°58	4♌52	27♌44	4♌15	21♏ 8	26♌26	18♏53	3°R 7	18♌14	7°R42	21°R27	21♏53	17°Y16	19°R 3	T 1
W 2	20 44 50	10°21'24	18°16	29°43	5°26	21°49	26°39	18°54	3°Z 6	18°16	7°Y41	21♏25	21°50	17°22	19°Y 2	W 2
T 3	20 48 47	11°18'50	2♏ 1	1♏44	6°36	22°29	26°52	18°55	3° 4	18°18	7°41	21°25	21°47	17°29	19° 1	T 3
F 4	20 52 43	12°16'18	16° 5	3°47	7°47	23°10	27° 6	18°56	3° 2	18°20	7°40	21°D24	21°44	17°36	19° 1	F 4
S 5	20 56 40	13°13'46	0♏23	5°50	8°58	23°50	27°19	18°57	3° 0	18°22	7°40	21°24	21°40	17°43	19° 0	S 5
S 6	21 0 36	14°11'15	14°50	7°54	10° 9	24°30	27°32	18°59	2°59	18°24	7°39	21°25	21°37	17°49	18°59	S 6
M 7	21 4 33	15° 8'45	29°22	9°59	11°20	25°11	27°45	19° 0	2°57	18°26	7°38	21°25	21°34	17°56	18°58	M 7
T 8	21 8 30	16° 6'16	13♌53	12° 3	12°31	25°51	27°58	19° 2	2°56	18°28	7°38	21°26	21°31	18° 3	18°58	T 8
W 9	21 12 26	17° 3'47	28°19	14° 8	13°42	26°31	28°11	19° 3	2°54	18°30	7°37	21°26	21°28	18° 9	18°57	W 9
T 10	21 16 23	18° 1'19	12♏35	16°12	14°53	27°11	28°24	19° 5	2°53	18°32	7°36	21°R26	21°24	18°16	18°56	T 10
F 11	21 20 19	18°58'52	26°39	18°15	16° 4	27°51	28°37	19° 7	2°51	18°34	7°36	21°26	21°21	18°23	18°55	F 11
S 12	21 24 16	19°56'26	10♌30	20°18	17°15	28°30	28°50	19° 9	2°50	18°36	7°35	21°26	21°18	18°29	18°54	S 12
S 13	21 28 12	20°54'01	24° 6	22°20	18°27	29°10	29° 3	19°11	2°48	18°38	7°34	21°D26	21°15	18°36	18°52	S 13
M14	21 32 9	21°51'36	7♌29	24°20	19°38	29°50	29°16	19°13	2°47	18°40	7°34	21°26	21°12	18°43	18°51	M14
T 15	21 36 5	22°49'13	20°37	26°20	20°50	0♌29	29°29	19°15	2°46	18°42	7°33	21°26	21° 9	18°50	18°50	T 15
W16	21 40 2	23°46'50	3♌31	28°18	22° 1	1° 9	29°42	19°18	2°45	18°44	7°32	21°26	21° 5	18°56	18°49	W16
T 17	21 43 59	24°44'29	16°12	0♏15	23°13	1°48	29°55	19°20	2°43	18°46	7°31	21°R26	21° 2	19° 3	18°48	T 17
F 18	21 47 55	25°42'09	28°40	2°11	24°25	2°27	0♏ 7	19°23	2°42	18°48	7°30	21°26	20°59	19°10	18°46	F 18
S 19	21 51 52	26°39'50	10♌57	4° 5	25°36	3° 7	0°20	19°25	2°41	18°49	7°29	21°26	20°56	19°16	18°45	S 19
S 20	21 55 48	27°37'33	23° 4	5°58	26°48	3°46	0°33	19°28	2°40	18°51	7°29	21°25	20°53	19°23	18°43	S 20
M21	21 59 45	28°35'17	5°Y 3	7°49	28° 0	4°25	0°45	19°31	2°39	18°53	7°28	21°25	20°49	19°30	18°42	M21
T 22	22 3 41	29°33'02	16°57	9°40	29°12	5° 4	0°58	19°33	2°38	18°55	7°27	21°24	20°46	19°36	18°40	T 22
W23	22 7 38	0♏30°50	28°48	11°28	0♏24	5°42	1°10	19°36	2°37	18°57	7°26	21°22	20°43	19°43	18°39	W23
T 24	22 11 34	1°28'38	10♌40	13°16	1°36	6°21	1°23	19°39	2°36	18°58	7°25	21°21	20°40	19°50	18°37	T 24
F 25	22 15 31	2°26'29	22°38	15° 2	2°49	7° 0	1°35	19°42	2°35	19° 0	7°24	21°21	20°37	19°57	18°36	F 25
S 26	22 19 27	3°24'21	4♏46	16°46	4° 1	7°39	1°48	19°46	2°35	19° 2	7°23	21°D21	20°34	20° 3	18°34	S 26
S 27	22 23 24	4°22'15	17° 8	18°30	5°13	8°17	2° 0	19°49	2°34	19° 4	7°22	21°21	20°30	20°10	18°32	S 27
M28	22 27 21	5°20'11	29°48	20°12	6°26	8°55	2°12	19°52	2°33	19° 5	7°21	21°22	20°27	20°17	18°30	M28
T 29	22 31 17	6°18'09	12♌51	21°52	7°38	9°34	2°24	19°56	2°32	19° 7	7°20	21°23	20°24	20°23	18°29	T 29
W30	22 35 14	7°16'08	26°18	23°32	8°51	10°12	2°37	19°59	2°32	19° 8	7°19	21°24	20°21	20°30	18°27	W30
T 31	22 39 10	8♏14°09	10♏11	25♏10	10♏ 3	10♌50	2♏49	20♏ 3	2°31	19°10	7°Y18	21♏25	20♏18	20°Y37	18°Y25	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	17n54	19n30	3s50	21n23	0n48	22n11	1s11	23n 8	0s 0	21n 6	0n14	15s19	2n11	23s40	0s17	21n28
W 2	17 38	19 19	2 53	21 7	0 57	22 11	1 8	23 11	0n 1	21 3	0 15	15 20	2 11	23 40	0 17	21 28
T 3	17 23	17 59	1 45	20 49	1 5	22 11	1 5	23 15	0 2	21 1	0 15	15 20	2 11	23 41	0 17	21 28
F 4	17 7	15 32	0 29	20 29	1 13	22 10	1 2	23 18	0 2	20 58	0 15	15 21	2 11	23 41	0 17	21 27
S 5	16 50	12 6	0n50	20 6	1 20	22 9	0 59	23 20	0 3	20 56	0 15	15 21	2 10	23 41	0 17	21 27
S 6	16 34	7 55	2 6	19 40	1 26	22 7	0 55	23 23	0 4	20 53	0 15	15 22	2 10	23 41	0 17	21 27
M 7	16 17	3 14	3 15	19 12	1 31	22 4	0 52	23 25	0 5	20 51	0 15	15 23	2 10	23 41	0 17	21 27
T 8	16 0	1s36	4 12	18 42	1 36	22 1	0 49	23 28	0 6	20 48	0 15	15 23	2 10	23 41	0 17	21 26
W 9	15 43	6 19	4 52	18 10	1 39	21 57	0 46	23 30	0 7	20 46	0 15	15 24	2 9	23 41	0 17	21 26
T 10	15 25	10 37	5 13	17 36	1 42	21 53	0 43	23 31	0 8	20 43	0 15	15 25	2 9	23 41	0 17	21 26
F 11	15 8	14 16	5 16	17 0	1 44	21 48	0 40	23 33	0 8	20 41	0 15	15 26	2 9	23 41	0 17	21 25
S 12	14 50	17 4	5 0	16 22	1 45	21 42	0 37	23 34	0 9	20 38	0 16	15 26	2 9	23 41	0 17	21 25
S 13	14 31	18 51	4 27	15 44	1 46	21 36	0 34	23 36	0 10	20 36	0 16	15 27	2 8	23 41	0 17	21 25
M14	14 13	19 33	3 40	15 4	1 46	21 29	0 31	23 37	0 11	20 33	0 16	15 28	2 8	23 41	0 17	21 25
T 15	13 54	19 10	2 43	14 23	1 45	21 22	0 28	23 38	0 12	20 30	0 16	15 29	2 8	23 41	0 17	21 24
W16	13 35	17 46	1 38	13 40	1 43	21 14	0 24	23 38	0 13	20 28	0 16	15 30	2 8	23 41	0 17	21 24
T 17	13 16	15 31	0 29	12 58	1 41	21 5	0 21	23 39	0 14	20 25	0 16	15 31	2 7	23 41	0 17	21 24
F 18	12 57	12 33	0s40	12 14	1 39	20 56	0 18	23 39	0 15	20 23	0 16	15 31	2 7	23 41	0 17	21 24
S 19	12 37	9 5	1 46	11 30	1 36	20 46	0 15	23 39	0 15	20 20	0 16	15 32	2 7	23 41	0 17	21 23
S 20	12 18	5 18	2 47	10 45	1 32	20 35	0 12	23 39	0 16	20 18	0 16	15 33	2 7	23 41	0 17	21 23
M21	11 58	1 21	3 39	10 0	1 28	20 24	0 9	23 38	0 17	20 15	0 17	15 34	2 6	23 41	0 17	21 23
T 22	11 37	2n38	4 21	9 14	1 24	20 12	0 6	23 38	0 18	20 12	0 17	15 35	2 6	23 41	0 17	21 23
W23	11 17	6 29	4 52	8 29	1 19	20 0	0 3	23 37	0 19	20 10	0 17	15 36	2 6	23 41	0 17	21 22
T 24	10 57	10 5	5 11	7 43	1 14	19 47	0 0	23 36	0 20	20 7	0 17	15 37	2 6	23 41	0 17	21 22
F 25	10 36	13 19	5 16	6 57	1 8	19 34	0n 3	23 35	0 21	20 4	0 17	15 38	2 5	23 41	0 17	21 22
S 26	10 15	16 2	5 8	6 11	1 3	19 20	0 6	23 34	0 22	20 2	0 17	15 39	2 5	23 41	0 17	21 22
S 27	9 54	18 4	4 45	5 25	0 56	19 6	0 9	23 33	0 23	19 59	0 17	15 41	2 5	23 41	0 17	21 21
M28	9 33	19 18	4 8	4 39	0 50	18 51	0 12	23 31	0 24	19 56	0 17	15 42	2 5	23 41	0 17	21 21
T 29	9 12	19 32	3 17	3 53	0 43	18 35	0 14	23 29	0 25	19 54	0 17	15 43	2 4	23 41	0 17	21 21
W30	8 50	18 41	2 14	3 8	0 37	18 19	0 17	23 28	0 25	19 51	0 18	15 44	2 4	23 41	0 17	21 21
T 31	8n29	16n42	1s 2	2n22	0n30	18n 2	0n20	23n25	0n26	19n49	0n18	15s45	2n 4	23s41	0s17	21n20

Julian Day Number = 2478420.5, Delta T = 82.29 sec
 Ecliptic obliquity = 23°25'39", Nutation = - 0°00'10", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 25°46'06", Lahiri = 24°53'06"

ASTRODIENST EPHEMERIS for the year 2073

geocentric

SEPTEMBER 2073

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	22 43 7	9 ^h 12'12"	24 ^h 02'28"	26 ^h 47'47"	11 ^h 01'16"	11 ^h 02'28"	3 ^h 01'13"	20 ^h 01'10"	2 ^h 03'31"	19 ^h 02'12"	7 ^h 01'17"	21 ^h 02'25"	20 ^h 01'15"	20 ^h 04'43"	18 ^h 02'23"	F 1
S 2	22 47 3	10 ^h 10'17"	9 ^h 05'57"	28 ^h 22'22"	12 ^h 28'28"	12 ^h 0'6"	3 ^h 13'33"	20 ^h 10'10"	2 ^h 03'30"	19 ^h 13'13"	7 ^h 01'16"	21 ^h 02'25"	20 ^h 01'11"	20 ^h 05'50"	18 ^h 02'21"	S 2
S 3	22 51 0	11 ^h 0'8'23"	23 ^h 05'57"	29 ^h 05'56"	13 ^h 41'13"	12 ^h 44'44"	3 ^h 25'25"	20 ^h 14'14"	2 ^h 03'30"	19 ^h 15'15"	7 ^h 01'15"	21 ^h 02'23"	20 ^h 0'8"	20 ^h 05'57"	18 ^h 01'19"	S 3
M 4	22 54 56	12 ^h 0'6'31"	8 ^h 05'54"	1 ^h 02'30"	14 ^h 54'54"	13 ^h 22'22"	3 ^h 36'36"	20 ^h 18'18"	2 ^h 03'30"	19 ^h 16'16"	7 ^h 01'14"	21 ^h 02'21"	20 ^h 0'5"	21 ^h 0'4"	18 ^h 01'17"	M 4
T 5	22 58 53	13 ^h 0'4'40"	23 ^h 05'50"	3 ^h 0'1"	16 ^h 0'7"	13 ^h 59'59"	3 ^h 48'48"	20 ^h 22'22"	2 ^h 02'29"	19 ^h 18'18"	7 ^h 01'13"	21 ^h 01'18"	20 ^h 0'2"	21 ^h 0'10"	18 ^h 01'15"	T 5
W 6	23 2 50	14 ^h 0'2'51"	8 ^h 03'35"	4 ^h 32'42"	17 ^h 20'20"	14 ^h 37'37"	4 ^h 0'0"	20 ^h 26'26"	2 ^h 02'29"	19 ^h 19'19"	7 ^h 01'12"	21 ^h 01'15"	19 ^h 05'59"	21 ^h 0'17"	18 ^h 01'13"	W 6
T 7	23 6 46	15 ^h 0'1'03"	23 ^h 0'4"	6 ^h 0'1"	18 ^h 33'33"	15 ^h 14'14"	4 ^h 12'12"	20 ^h 30'30"	2 ^h 02'29"	19 ^h 21'21"	7 ^h 01'11"	21 ^h 01'13"	19 ^h 05'55"	21 ^h 0'24"	18 ^h 01'10"	T 7
F 8	23 10 43	15 ^h 05'59'17"	7 ^h 02'13"	7 ^h 29'29"	19 ^h 46'46"	15 ^h 52'52"	4 ^h 23'23"	20 ^h 35'35"	2 ^h 02'29"	19 ^h 22'22"	7 ^h 01'10"	21 ^h 01'11"	19 ^h 05'52"	21 ^h 0'30"	18 ^h 0'8"	F 8
S 9	23 14 39	16 ^h 05'57'32"	21 ^h 0'1"	8 ^h 05'56"	20 ^h 59'59"	16 ^h 29'29"	4 ^h 35'35"	20 ^h 39'39"	2 ^h 02'28"	19 ^h 23'23"	7 ^h 0'9"	21 ^h 01'11"	19 ^h 04'49"	21 ^h 0'37"	18 ^h 0'6"	S 9
S 10	23 18 36	17 ^h 05'55'49"	4 ^h 02'37"	10 ^h 21'21"	22 ^h 12'12"	17 ^h 0'6"	4 ^h 46'46"	20 ^h 43'43"	2 ^h 02'28"	19 ^h 25'25"	7 ^h 0'8"	21 ^h 01'12"	19 ^h 04'46"	21 ^h 0'44"	18 ^h 0'4"	S 10
M11	23 22 32	18 ^h 05'54'07"	17 ^h 0'34"	11 ^h 04'46"	23 ^h 25'25"	17 ^h 43'43"	4 ^h 57'57"	20 ^h 48'48"	2 ^h 02'28"	19 ^h 26'26"	7 ^h 0'7"	21 ^h 01'14"	19 ^h 04'43"	21 ^h 0'51"	18 ^h 0'2"	M11
T 12	23 26 29	19 ^h 05'52'27"	0 ^h 02'24"	13 ^h 0'8"	24 ^h 39'39"	18 ^h 20'20"	5 ^h 0'9"	20 ^h 52'52"	2 ^h 02'28"	19 ^h 27'27"	7 ^h 0'6"	21 ^h 01'15"	19 ^h 04'40"	21 ^h 0'57"	17 ^h 59'59"	T 12
W13	23 30 25	20 ^h 05'50'48"	12 ^h 0'59"	14 ^h 30'52"	25 ^h 52'52"	18 ^h 57'57"	5 ^h 20'20"	20 ^h 57'57"	2 ^h 02'29"	19 ^h 29'29"	7 ^h 0'4"	21 ^h 01'16"	19 ^h 03'36"	22 ^h 0'4"	17 ^h 57'57"	W13
T 14	23 34 22	21 ^h 04'9'11"	25 ^h 0'22"	15 ^h 50'50"	27 ^h 0'5"	19 ^h 33'33"	5 ^h 31'31"	21 ^h 0'2"	2 ^h 02'29"	19 ^h 30'30"	7 ^h 0'3"	21 ^h 01'17"	19 ^h 03'33"	22 ^h 0'11"	17 ^h 55'55"	T 14
F 15	23 38 19	22 ^h 04'7'35"	7 ^h 03'35"	17 ^h 0'9"	28 ^h 19'19"	20 ^h 10'10"	5 ^h 42'42"	21 ^h 0'7"	2 ^h 02'29"	19 ^h 31'31"	7 ^h 0'2"	21 ^h 01'15"	19 ^h 03'30"	22 ^h 0'17"	17 ^h 52'52"	F 15
S 16	23 42 15	23 ^h 04'6'02"	19 ^h 0'41"	18 ^h 26'26"	29 ^h 32'32"	20 ^h 47'47"	5 ^h 53'53"	21 ^h 0'11"	2 ^h 02'29"	19 ^h 32'32"	7 ^h 0'1"	21 ^h 01'13"	19 ^h 02'27"	22 ^h 0'24"	17 ^h 50'50"	S 16
S 17	23 46 12	24 ^h 04'4'30"	1 ^h 04'40"	19 ^h 41'41"	0 ^h 04'46"	21 ^h 23'23"	6 ^h 0'4"	21 ^h 0'16"	2 ^h 02'29"	19 ^h 34'34"	7 ^h 0'0"	21 ^h 0'8"	19 ^h 02'24"	22 ^h 0'31"	17 ^h 47'47"	S 17
M18	23 50 8	25 ^h 04'3'00"	13 ^h 0'35"	20 ^h 55'55"	1 ^h 59'59"	21 ^h 59'59"	6 ^h 15'15"	21 ^h 0'21"	2 ^h 03'30"	19 ^h 35'35"	6 ^h 59'59"	21 ^h 0'2"	19 ^h 02'21"	22 ^h 0'37"	17 ^h 45'45"	M18
T 19	23 54 5	26 ^h 04'1'32"	25 ^h 0'26"	22 ^h 0'7"	3 ^h 13'13"	22 ^h 35'35"	6 ^h 25'25"	21 ^h 0'26"	2 ^h 03'30"	19 ^h 36'36"	6 ^h 57'57"	20 ^h 56'56"	19 ^h 01'17"	22 ^h 0'44"	17 ^h 42'42"	T 19
W20	23 58 1	27 ^h 04'0'06"	7 ^h 03'18"	23 ^h 18'18"	4 ^h 26'26"	23 ^h 11'11"	6 ^h 36'36"	21 ^h 0'31"	2 ^h 03'31"	19 ^h 37'37"	6 ^h 56'56"	20 ^h 49'49"	19 ^h 01'14"	22 ^h 0'51"	17 ^h 40'40"	W20
T 21	0 1 58	28 ^h 03'8'43"	19 ^h 0'10"	24 ^h 27'27"	5 ^h 40'40"	23 ^h 47'47"	6 ^h 46'46"	21 ^h 0'36"	2 ^h 03'31"	19 ^h 38'38"	6 ^h 55'55"	20 ^h 43'43"	19 ^h 01'11"	22 ^h 0'58"	17 ^h 37'37"	T 21
F 22	0 5 54	29 ^h 03'7'21"	1 ^h 03'33"	25 ^h 0'33"	6 ^h 54'54"	24 ^h 23'23"	6 ^h 57'57"	21 ^h 0'42"	2 ^h 03'32"	19 ^h 39'39"	6 ^h 54'54"	20 ^h 38'38"	19 ^h 0'8"	23 ^h 0'4"	17 ^h 35'35"	F 22
S 23	0 9 51	0 ^h 03'6'02"	13 ^h 0'14"	26 ^h 0'38"	8 ^h 0'8"	24 ^h 59'59"	7 ^h 0'7"	21 ^h 0'47"	2 ^h 03'32"	19 ^h 40'40"	6 ^h 53'53"	20 ^h 35'35"	19 ^h 0'5"	23 ^h 0'11"	17 ^h 32'32"	S 23
S 24	0 13 48	1 ^h 03'4'44"	25 ^h 0'33"	27 ^h 0'40"	9 ^h 22'22"	25 ^h 34'34"	7 ^h 17'17"	21 ^h 0'52"	2 ^h 03'33"	19 ^h 41'41"	6 ^h 52'52"	20 ^h 33'33"	19 ^h 0'1"	23 ^h 0'18"	17 ^h 30'30"	S 24
M25	0 17 44	2 ^h 03'3'29"	8 ^h 0'58"	28 ^h 0'40"	10 ^h 36'36"	26 ^h 10'10"	7 ^h 28'28"	21 ^h 0'58"	2 ^h 03'34"	19 ^h 42'42"	6 ^h 50'50"	20 ^h 03'33"	18 ^h 58'58"	23 ^h 0'24"	17 ^h 27'27"	M25
T 26	0 21 41	3 ^h 03'2'17"	21 ^h 0'5"	29 ^h 0'37"	11 ^h 50'50"	26 ^h 45'45"	7 ^h 38'38"	22 ^h 0'3"	2 ^h 03'34"	19 ^h 43'43"	6 ^h 49'49"	20 ^h 34'34"	18 ^h 55'55"	23 ^h 0'31"	17 ^h 24'24"	T 26
W27	0 25 37	4 ^h 03'1'06"	4 ^h 02'27"	0 ^h 03'31"	13 ^h 0'4"	27 ^h 20'20"	7 ^h 48'48"	22 ^h 0'9"	2 ^h 03'35"	19 ^h 44'44"	6 ^h 48'48"	20 ^h 35'35"	18 ^h 52'52"	23 ^h 0'38"	17 ^h 22'22"	W27
T 28	0 29 34	5 ^h 02'9'58"	18 ^h 0'16"	1 ^h 23'23"	14 ^h 18'18"	27 ^h 55'55"	7 ^h 58'58"	22 ^h 0'14"	2 ^h 03'36"	19 ^h 44'44"	6 ^h 47'47"	20 ^h 03'36"	18 ^h 49'49"	23 ^h 0'45"	17 ^h 19'19"	T 28
F 29	0 33 30	6 ^h 02'8'52"	2 ^h 03'33"	2 ^h 11'11"	15 ^h 32'32"	28 ^h 30'30"	8 ^h 0'7"	22 ^h 0'20"	2 ^h 03'37"	19 ^h 45'45"	6 ^h 46'46"	20 ^h 36'36"	18 ^h 46'46"	23 ^h 0'51"	17 ^h 16'16"	F 29
S 30	0 37 27	7 ^h 02'7'48"	17 ^h 0'15"	2 ^h 03'55"	16 ^h 04'46"	29 ^h 02'52"	8 ^h 01'17"	22 ^h 0'26"	2 ^h 03'38"	19 ^h 46'46"	6 ^h 45'45"	20 ^h 03'33"	18 ^h 04'42"	23 ^h 0'58"	17 ^h 14'14"	S 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
F 1	8n 7	13n38	0n17	1n37	0n22	17n45	0n23	23n23	0n27	19n46	0n18	15s46	2n 4	23s41	0s17	21n20	0s44	12s39	16s56	14n21	14n44	3n56	8n49	1n44			
S 2	7 45	9 39	1 36	0 53	0 15	17 28	0 25	23 21	0 28	19 43	0 18	15 48	2 4	23 41	0 17	21 20	0 44	12 40	16 56	14 22	14 45	3 58	8 48	1 44			
S 3	7 23	5 0	2 50	0 8	0 7	17 9	0 28	23 18	0 29	19 41	0 18	15 49	2 3	23 41	0 17	21 20	0 44	12 40	16 56	14 22	14 46	4 0	8 47	1 44			
M 4	7 1	0 2	3 53	0s36	0s 0	16 51	0 31	23 15	0 30	19 38	0 18	15 50	2 3	23 41	0 17	21 19	0 44	12 41	16 57	14 23	14 47	4 2	8 46	1 44			
T 5	6 39	4s55	4 39	1 19	0 8	16 32	0 33	23 13	0 31	19 35	0 18	15 51	2 3	23 41	0 17	21 19	0 44	12 41	16 57	14 24	14 48	4 4	8 46	1 44			
W 6	6 16	9 30	5 7	2 3	0 16	16 12	0 36	23 10	0 32	19 33	0 18	15 53	2 3	23 41	0 17	21 19	0 44	12 42	16 57	14 25	14 49	4 6	8 45	1 44			
T 7	5 54	13 27	5 14	2 45	0 24	15 52	0 38	23 6	0 33	19 30	0 19	15 54	2 2	23 41	0 17	21 19	0 44	12 42	16 57	14 25	14 50	4 9	8 44	1 44			
F 8	5 31	16 32	5 2	3 28	0 32	15 32	0 41	23 3	0 34	19 27	0 19	15 55	2 2	23 41	0 17	21 19	0 44	12 43	16 57	14 26	14 51	4 11	8 43	1 44			
S 9	5 9	18 35	4 33	4 9	0 40	15 11	0 43	22 59	0 35	19 25	0 19	15 57	2 2	23 41	0 17	21 18	0 44	12 44	16 57	14 26	14 52	4 13	8 42	1 44			
S 10	4 46	19 32	3 49	4 50	0 48	14 49	0 46	22 56	0 36	19 22	0 19	15 58	2 2	23 41	0 17	21 18	0 44	12 44	16 58	14 26	14 53	4 15	8 41	1 44			
M11	4 23	19 23	2 54	5 31	0 57	14 28	0 48	22 52	0 37	19 20	0 19	15 59	2 2	23 41	0 17	21 18	0 44	12 45	16 58	14 25	14 54	4 17	8 40	1 44			
T 12	4 1	18 14	1 52	6 11	1 5	14 5	0 50	22 48	0 38	19 17	0 19	16 1	2 1	23 41	0 17	21 18	0 44	12 45	16 58	14 25	14 55	4 19	8 40	1 44			
W13	3 38	16 11	0 45	6 50	1 13	13 43	0 52	22 44	0 39	19 14	0 19	16 2	2 1	23 41	0 17	21 18	0 44	12 46	16 58	14 24	14 56	4 21	8 39	1 44			
T 14	3 15	13 25	0s22	7 29	1 21	13 20	0 55	22 40	0 40	19 12	0 19	16 4	2 1	23 41	0 17	21 17	0 44	12 46	16 58	14 24	14 57	4 23	8 38	1 44			
F 15	2 52	10 5	1 28	8 6	1 29	12 57	0 57	22 35	0 41	19 9	0 20	16 5	2 1	23 41	0 17	21 17	0 44	12 47	16 58	14 25	14 58	4 25	8 37	1 44			
S 16	2 28	6 22	2 29	8 43	1 38	12 33	0 59	22 31	0 42	19 7	0 20	16 6	2 1	23 41	0 17	21 17	0 44	12 47	16 58	14 25	14 59	4 27	8 36	1 44			
S 17	2 5	2 26	3 23	9 20	1 46	12 9	1 1	22 26	0 43	19 4	0 20	16 8	2 0	23 41	0 17	21 17	0 44	12 48	16 58	14 27	15 0	4 29	8 35	1 44			
M18	1 42	1n34	4 7	9 55	1 54	11 44	1 3	22 21	0 44	19 2	0 20	16 9	2 0	23 41	0 17	21 17	0 44	12 48	16 58	14 29	15 1	4 31	8 34	1 44			
T 19	1 19	5 29	4 40	10 29	2 2	11 20	1 5	22 17	0 45	18 59	0 20	16 11	2 0	23 41	0 17	21 17	0 44	12 49	16 58	14 31	15 2	4 34	8 33	1 44			
W20	0 56	9 11	5 2	11 3	2 9	10 54	1 6	22 12	0 46	18 57	0 20	16 12	2 0	23 41	0 17	21 16	0 44	12 49	16 59	14 33	15 3	4 36	8 32	1 44			
T 21	0 32	12 32	5 10	11 35	2 17	10 29	1 8	22 6	0 47	18 54	0 20	16 14	2 0	23 41	0 17	21 16	0 44	12 50	16 59	14 35	15 4	4 38	8 31	1 44			
F 22	0 9	15 24	5 5	12 7	2 24	10 3	1 10	22 1	0 48	18 52	0 21	16 15	1 59	23 41	0 17	21 16	0 44	12 50	16 59	14 36	15 5	4 40	8 30	1 44			
S 23	0s14	17 38	4 46	12 37	2 32	9 37	1 11	21 56	0 49	18 49	0 21	16 17	1 59	23 41	0 17	21 16	0 44	12 51	16 59	14 37	15 6	4 42	8 29	1 44			
S 24	0 38	19 7	4 14	13 6	2 39	9 11	1 13	21 50	0 50	18 47	0 21	16 18	1 59	23 41	0 17	21 16	0 44	12 51	16 59	14 38	15 7	4 44	8 28	1 44			
M25	1 1	19 41	3 30	13 34	2 46	8 44	1 15	21 45	0 51	18 44	0 21	16 20	1 59	23 41	0 17	21 16	0 44	12 52	16 59	14 38	15 8	4 46	8 27	1 44			
T 26	1 24	19 15	2 33	14 1	2 52	8 18	1 16	21 39	0 52	18 42	0 21	16 22	1 59	23 41	0 17	21 15	0 44	12 52	16 59	14 38	15 9	4 48	8 26	1 44			
W27	1 48	17 45	1 26	14 26	2 58	7 51	1 17	21 33	0 53	18 39	0 21	16 23	1 59	23 41	0 17	21 15	0 44	12 53	16 59	14 37	15 10	4 50	8 25	1 44			
T 28	2 11	15 9	0 13	14 50	3 4	7 23	1 19	21 27	0 54	18 37	0 21	16 25	1 58	23 41	0 17	21 15	0 44	12 53	16 59	14 37	15 11	4 52	8 24	1 44			
F 29	2 34	11 34	1n 4	15 11	3 10	6 56	1 20	21 21	0 56	18 35	0 22	16 26	1 58	23 41	0 17	21 15	0 44	12 54	16 59	14 37	15 12	4 55	8 23	1 44			
S 30	2s58	7n10	2n19	15s32	3s15	6n28	1n21	21n15	0n57	18n32	0n22	16s28	1n58	23s41	0s17	21n15	0s44	12s54	16s59	14n38	15n13	4n57	8n21	1n44			

ASTRODIENST EPHEMERIS for the year 2073
geocentric

OCTOBER 2073

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 41 23	8♌26'47	2♌18	3♌36	18♏0	29♏40	8♏26	22♏31	2♏39	19♏47	6♏43	20♏R28	18♏39	24♏5	17♏R11	S 1
M 2	0 45 20	9°25'47	17°32	4°12	19°14	0♏14	8°36	22°37	2°40	19°47	6♏42	20♏22	18°36	24°11	17♏8	M 2
T 3	0 49 16	10°24'49	2♌48	4°44	20°29	0°49	8°45	22°43	2°41	19°48	6°41	20°14	18°33	24°18	17°6	T 3
W 4	0 53 13	11°23'53	17°53	5°10	21°43	1°23	8°54	22°49	2°42	19°49	6°40	20°7	18°30	24°25	17°3	W 4
T 5	0 57 10	12°22'59	2♌39	5°32	22°57	1°57	9°3	22°55	2°44	19°49	6°39	20°0	18°26	24°32	17°0	T 5
F 6	1 1 6	13°22'07	17°0	5°47	24°12	2°31	9°12	23°1	2°45	19°50	6°37	19°55	18°23	24°38	16°58	F 6
S 7	1 5 3	14°21'17	0♌54	5°56	25°26	3°5	9°21	23°7	2°46	19°50	6°36	19°52	18°20	24°45	16°55	S 7
S 8	1 8 59	15°20'28	14°21	5°R59	26°40	3°39	9°30	23°13	2°48	19°51	6°35	19°D51	18°17	24°52	16°52	S 8
M 9	1 12 56	16°19'42	27°23	5°54	27°55	4°12	9°39	23°19	2°49	19°51	6°34	19°52	18°14	24°58	16°49	M 9
T 10	1 16 52	17°18'56	10♌3	5°41	29°9	4°46	9°47	23°25	2°50	19°52	6°33	19°53	18°11	25°5	16°47	T 10
W11	1 20 49	18°18'13	22°27	5°21	0♌24	5°19	9°55	23°32	2°52	19°52	6°32	19°R53	18°7	25°12	16°44	W11
T 12	1 24 45	19°17'31	4♌39	4°52	1°39	5°52	10°4	23°38	2°53	19°53	6°30	19°52	18°4	25°18	16°41	T 12
F 13	1 28 42	20°16'52	16°41	4°15	2°53	6°25	10°12	23°44	2°55	19°53	6°29	19°48	18°1	25°25	16°38	F 13
S 14	1 32 39	21°16'14	28°38	3°30	4°8	6°58	10°20	23°51	2°57	19°53	6°28	19°42	17°58	25°32	16°36	S 14
S 15	1 36 35	22°15'37	10♏31	2°37	5°23	7°30	10°28	23°57	2°58	19°54	6°27	19°33	17°55	25°39	16°33	S 15
M16	1 40 32	23°15'03	22°23	1°37	6°37	8°3	10°35	24°3	3°0	19°54	6°26	19°22	17°52	25°45	16°30	M16
T 17	1 44 28	24°14'31	4♌15	0°32	7°52	8°35	10°43	24°10	3°2	19°54	6°25	19°10	17°48	25°52	16°28	T 17
W18	1 48 25	25°14'01	16°9	29♌21	9°7	9°7	10°50	24°16	3°4	19°54	6°24	18°57	17°45	25°59	16°25	W18
T 19	1 52 21	26°13'34	28°5	28°8	10°22	9°39	10°58	24°23	3°6	19°54	6°23	18°45	17°42	26°5	16°22	T 19
F 20	1 56 18	27°13'08	10♏7	26°54	11°36	10°11	11°5	24°30	3°8	19°54	6°21	18°35	17°39	26°12	16°20	F 20
S 21	2 0 14	28°12'45	22°16	25°41	12°51	10°43	11°12	24°36	3°10	19°54	6°20	18°27	17°36	26°19	16°17	S 21
S 22	2 4 11	29°12'23	4♌35	24°31	14°6	11°14	11°19	24°43	3°12	19°54	6°19	18°22	17°32	26°26	16°14	S 22
M23	2 8 8	0♏12'05	17°9	23°27	15°21	11°45	11°25	24°50	3°14	19°R54	6°18	18°19	17°29	26°32	16°12	M23
T 24	2 12 4	1°11'48	29°59	22°31	16°36	12°16	11°32	24°56	3°16	19°54	6°17	18°D18	17°26	26°39	16°9	T 24
W25	2 16 1	2°11'33	13♌13	21°43	17°51	12°47	11°38	25°3	3°18	19°54	6°16	18°R18	17°23	26°46	16°6	W25
T 26	2 19 57	3°11'21	26°52	21°6	19°6	13°18	11°45	25°10	3°20	19°54	6°15	18°18	17°20	26°52	16°4	T 26
F 27	2 23 54	4°11'11	10♏58	20°40	20°21	13°48	11°51	25°17	3°22	19°54	6°14	18°16	17°17	26°59	16°1	F 27
S 28	2 27 50	5°11'03	25°31	20°25	21°36	14°19	11°57	25°23	3°25	19°54	6°13	18°12	17°13	27°6	15°59	S 28
S 29	2 31 47	6°10'58	10♌28	20°D22	22°51	14°49	12°3	25°30	3°27	19°54	6°12	18°5	17°10	27°13	15°56	S 29
M30	2 35 43	7°10'54	25°42	20°29	24°6	15°19	12°8	25°37	3°29	19°54	6°11	17°56	17°7	27°19	15°54	M30
T 31	2 39 40	8♏10'52	11♏2	20♌48	25♌21	15♏48	12♏14	25♏44	3♏32	19♏53	6♏10	17♏45	17♏4	27♏26	15♏51	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	3s21	2n14	3n25	15s50	3s19	6n 0	1n22	21n 9	0n58	18n30	0n22	16s30	1n58	23s41	0s17	21n15
M 2	3 44	2s54	4 18	16 6	3 23	5 32	1 23	21 3	0 59	18 28	0 22	16 31	1 58	23 41	0 17	21 15
T 3	4 7	7 51	4 53	16 20	3 27	5 4	1 24	20 56	1 0	18 25	0 22	16 33	1 58	23 41	0 17	21 15
W 4	4 30	12 15	5 6	16 32	3 29	4 35	1 25	20 50	1 1	18 23	0 22	16 34	1 57	23 41	0 17	21 14
T 5	4 53	15 47	4 59	16 40	3 31	4 7	1 26	20 43	1 2	18 21	0 23	16 36	1 57	23 41	0 17	21 14
F 6	5 16	18 16	4 33	16 47	3 32	3 38	1 27	20 37	1 3	18 18	0 23	16 38	1 57	23 41	0 17	21 14
S 7	5 39	19 34	3 52	16 50	3 32	3 9	1 27	20 30	1 4	18 16	0 23	16 39	1 57	23 41	0 17	21 14
S 8	6 2	19 42	2 59	16 49	3 31	2 40	1 28	20 23	1 6	18 14	0 23	16 41	1 57	23 41	0 17	21 14
M 9	6 25	18 45	1 58	16 45	3 28	2 11	1 29	20 17	1 7	18 12	0 23	16 43	1 57	23 41	0 17	21 14
T 10	6 48	16 53	0 52	16 38	3 25	1 42	1 29	20 10	1 8	18 10	0 23	16 44	1 56	23 41	0 17	21 14
W11	7 10	14 14	0s14	16 26	3 19	1 13	1 29	20 3	1 9	18 8	0 23	16 46	1 56	23 40	0 17	21 14
T 12	7 33	11 1	1 18	16 9	3 12	0 43	1 30	19 56	1 10	18 6	0 24	16 48	1 56	23 40	0 17	21 14
F 13	7 55	7 22	2 18	15 49	3 4	0 14	1 30	19 49	1 11	18 4	0 24	16 49	1 56	23 40	0 17	21 14
S 14	8 18	3 28	3 11	15 24	2 53	0s16	1 30	19 42	1 13	18 2	0 24	16 51	1 56	23 40	0 17	21 14
S 15	8 40	0n33	3 56	14 54	2 41	0 45	1 30	19 34	1 14	18 0	0 24	16 53	1 56	23 40	0 17	21 14
M16	9 2	4 32	4 30	14 20	2 27	1 15	1 30	19 27	1 15	17 58	0 24	16 55	1 56	23 40	0 17	21 14
T 17	9 24	8 21	4 52	13 42	2 11	1 44	1 30	19 20	1 16	17 56	0 24	16 56	1 55	23 40	0 17	21 14
W18	9 46	11 51	5 2	13 1	1 54	2 14	1 30	19 13	1 17	17 54	0 25	16 58	1 55	23 40	0 17	21 13
T 19	10 7	14 53	4 58	12 17	1 35	2 43	1 30	19 5	1 19	17 52	0 25	17 0	1 55	23 40	0 17	21 13
F 20	10 29	17 19	4 41	11 32	1 15	3 12	1 30	18 58	1 20	17 50	0 25	17 1	1 55	23 40	0 17	21 13
S 21	10 50	19 1	4 12	10 46	0 55	3 42	1 30	18 50	1 21	17 49	0 25	17 3	1 55	23 40	0 17	21 13
S 22	11 11	19 51	3 30	10 2	0 34	4 11	1 29	18 43	1 22	17 47	0 25	17 5	1 55	23 40	0 17	21 13
M23	11 32	19 44	2 37	9 19	0 14	4 40	1 29	18 36	1 24	17 45	0 26	17 7	1 55	23 40	0 17	21 13
T 24	11 53	18 35	1 36	8 40	0n 6	5 10	1 28	18 28	1 25	17 44	0 26	17 8	1 55	23 40	0 17	21 13
W25	12 14	16 25	0 27	8 4	0 25	5 39	1 28	18 21	1 26	17 42	0 26	17 10	1 55	23 40	0 17	21 13
T 26	12 34	13 16	0n45	7 34	0 43	6 8	1 27	18 13	1 27	17 40	0 26	17 12	1 54	23 40	0 17	21 13
F 27	12 55	9 15	1 57	7 9	1 0	6 37	1 27	18 5	1 29	17 39	0 26	17 13	1 54	23 40	0 17	21 13
S 28	13 15	4 35	3 3	6 50	1 14	7 5	1 26	17 58	1 30	17 37	0 26	17 15	1 54	23 40	0 17	21 13
S 29	13 35	0s29	3 59	6 36	1 27	7 34	1 25	17 50	1 31	17 36	0 27	17 17	1 54	23 40	0 17	21 13
M30	13 54	5 36	4 39	6 29	1 39	8 2	1 24	17 43	1 33	17 35	0 27	17 19	1 54	23 40	0 17	21 13
T 31	14s14	10s24	4n58	6s27	1n48	8s31	1n23	17n35	1n34	17n33	0n27	17s20	1n54	23s39	0s17	21n13

Julian Day Number = 2478481.5, Delta T = 82.35 sec
Ecliptic obliquity = 23°25'41, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°46'14, Lahiri = 24°53'15

ASTRODIENST EPHEMERIS for the year 2073
geocentric

NOVEMBER 2073

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	2 43 37	9♉10°53	26♉16	21♉16	26♉36	16♉18	12♉19	25♉51	3♉34	19♉53	6♉9	17♉34	17♉1	27♉33	15♉49	W 1
T 2	2 47 33	10°10'55	11♉14	21°54	27°51	16°47	12°24	25°58	3°36	19°53	6♉8	17♉23	16°57	27°39	15♉46	T 2
F 3	2 51 30	11°10'59	25°47	22°39	29°7	17°16	12°29	26°5	3°39	19°52	6°7	17°15	16°54	27°46	15°44	F 3
S 4	2 55 26	12°11'04	9♉51	23°33	0♉22	17°44	12°34	26°12	3°41	19°52	6°6	17°9	16°51	27°53	15°42	S 4
S 5	2 59 23	13°11'11	23°25	24°32	1°37	18°13	12°39	26°19	3°44	19°51	6°5	17°6	16°48	28°0	15°39	S 5
M 6	3 3 19	14°11'20	6♉30	25°38	2°52	18°41	12°43	26°26	3°47	19°51	6°4	17°5	16°45	28°6	15°37	M 6
T 7	3 7 16	15°11'30	19°11	26°48	4°7	19°9	12°47	26°33	3°49	19°50	6°4	17°5	16°42	28°13	15°35	T 7
W 8	3 11 12	16°11'42	1♉33	28°3	5°23	19°37	12°52	26°40	3°52	19°50	6°3	17°5	16°38	28°20	15°32	W 8
T 9	3 15 9	17°11'55	13°40	29°22	6°38	20°5	12°55	26°47	3°55	19°49	6°2	17°3	16°35	28°26	15°30	T 9
F 10	3 19 6	18°12'09	25°37	0♉43	7°53	20°32	12°59	26°54	3°58	19°49	6°1	16°59	16°32	28°33	15°28	F 10
S 11	3 23 2	19°12'25	7♉30	2°7	9°8	20°59	13°3	27°1	4°0	19°48	6°0	16°52	16°29	28°40	15°26	S 11
S 12	3 26 59	20°12'43	19°20	3°34	10°24	21°26	13°6	27°9	4°3	19°47	5°59	16°41	16°26	28°47	15°24	S 12
M13	3 30 55	21°13'02	1♉12	5°2	11°39	21°52	13°9	27°16	4°6	19°47	5°59	16°29	16°23	28°53	15°21	M13
T 14	3 34 52	22°13'23	13°7	6°31	12°54	22°18	13°12	27°23	4°9	19°46	5°58	16°14	16°19	29°0	15°19	T 14
W15	3 38 48	23°13'45	25°6	8°2	14°10	22°44	13°15	27°30	4°12	19°45	5°57	16°0	16°16	29°7	15°17	W15
T 16	3 42 45	24°14'09	7♉11	9°34	15°25	23°10	13°18	27°37	4°15	19°45	5°56	15°46	16°13	29°13	15°15	T 16
F 17	3 46 41	25°14'35	19°22	11°7	16°40	23°35	13°21	27°44	4°18	19°44	5°56	15°33	16°10	29°20	15°13	F 17
S 18	3 50 38	26°15'02	1♉41	12°40	17°56	24°0	13°23	27°51	4°21	19°43	5°55	15°24	16°7	29°27	15°12	S 18
S 19	3 54 35	27°15'31	14°9	14°14	19°11	24°25	13°25	27°58	4°24	19°42	5°54	15°17	16°3	29°34	15°10	S 19
M20	3 58 31	28°16'02	26°49	15°48	20°26	24°49	13°27	28°6	4°27	19°41	5°54	15°14	16°0	29°40	15°8	M20
T 21	4 2 28	29°16'35	9♉42	17°22	21°42	25°14	13°29	28°13	4°30	19°40	5°53	15°D13	15°57	29°47	15°6	T 21
W22	4 6 24	0♉17°10	22°53	18°57	22°57	25°37	13°30	28°20	4°33	19°39	5°52	15°13	15°54	29°54	15°4	W22
T 23	4 10 21	1°17'46	6♉25	20°31	24°13	26°1	13°31	28°27	4°36	19°38	5°52	15°R13	15°51	0♉1	15°3	T 23
F 24	4 14 17	2°18'24	20°18	22°6	25°28	26°24	13°33	28°34	4°39	19°37	5°51	15°11	15°48	0°7	15°1	F 24
S 25	4 18 14	3°19'03	4♉36	23°41	26°43	26°47	13°34	28°41	4°43	19°36	5°51	15°8	15°44	0°14	14°59	S 25
S 26	4 22 10	4°19'44	19°14	25°15	27°59	27°9	13°34	28°48	4°46	19°35	5°50	15°2	15°41	0°21	14°58	S 26
M27	4 26 7	5°20'27	4♉10	26°50	29°14	27°31	13°35	28°56	4°49	19°34	5°50	14°53	15°38	0°27	14°56	M27
T 28	4 30 4	6°21'11	19°15	28°25	0♉30	27°53	13°35	29°3	4°52	19°33	5°49	14°43	15°35	0°34	14°55	T 28
W29	4 34 0	7°21'57	4♉20	29°59	1°45	28°14	13°R35	29°10	4°56	19°32	5°49	14°32	15°32	0°41	14°53	W29
T 30	4 37 57	8♉22°45	19♉14	1♉34	3♉1	28♉35	13♉35	29♉17	4♉59	19♉31	5♉48	14♉22	15♉29	0♉48	14♉52	T 30

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	14s33	14s29	4n57	6s30	1n56	8s59	1n22	17n28	1n35	17n32	0n27	17s22	1n54	23s39	0s17	21n13	0s44	13s 5	16s56	15n34	15n44	6n 4	7n46	1n41	
T 2	14 52	17 34	4 35	6 38	2 2	9 27	1 21	17 20	1 37	17 31	0 27	17 24	1 54	23 39	0 17	21 13	0 44	13 5	16 56	15 37	15 45	6 6	7 45	1 41	
F 3	15 11	19 26	3 56	6 51	2 7	9 54	1 20	17 13	1 38	17 29	0 28	17 25	1 54	23 39	0 17	21 14	0 44	13 6	16 55	15 39	15 46	6 8	7 44	1 41	
S 4	15 29	20 1	3 3	7 7	2 10	10 22	1 19	17 5	1 40	17 28	0 28	17 27	1 54	23 39	0 17	21 14	0 44	13 6	16 55	15 41	15 47	6 10	7 43	1 41	
S 5	15 47	19 24	2 2	7 27	2 12	10 49	1 18	16 58	1 41	17 27	0 28	17 29	1 54	23 39	0 17	21 14	0 44	13 6	16 55	15 42	15 48	6 12	7 42	1 40	
M 6	16 5	17 44	0 56	7 50	2 13	11 16	1 16	16 50	1 42	17 26	0 28	17 30	1 53	23 39	0 17	21 14	0 44	13 6	16 55	15 42	15 49	6 14	7 41	1 40	
T 7	16 23	15 14	0s11	8 16	2 13	11 43	1 15	16 43	1 44	17 25	0 28	17 32	1 53	23 39	0 17	21 14	0 44	13 6	16 54	15 42	15 50	6 16	7 40	1 40	
W 8	16 41	12 6	1 16	8 43	2 12	12 9	1 14	16 35	1 45	17 24	0 28	17 34	1 53	23 39	0 17	21 14	0 44	13 6	16 54	15 42	15 50	6 18	7 39	1 40	
T 9	16 58	8 30	2 15	9 13	2 10	12 35	1 12	16 28	1 47	17 23	0 29	17 36	1 53	23 39	0 17	21 14	0 45	13 6	16 54	15 43	15 51	6 20	7 38	1 40	
F 10	17 15	4 37	3 8	9 44	2 7	13 1	1 11	16 21	1 48	17 22	0 29	17 37	1 53	23 39	0 17	21 14	0 45	13 6	16 54	15 44	15 52	6 23	7 37	1 40	
S 11	17 31	0 35	3 53	10 16	2 4	13 26	1 9	16 14	1 50	17 21	0 29	17 39	1 53	23 39	0 17	21 14	0 45	13 7	16 53	15 47	15 53	6 25	7 36	1 40	
S 12	17 47	3n27	4 27	10 49	2 0	13 52	1 8	16 6	1 51	17 21	0 29	17 41	1 53	23 39	0 17	21 14	0 45	13 7	16 53	15 50	15 54	6 27	7 35	1 40	
M13	18 3	7 22	4 49	11 22	1 56	14 16	1 6	15 59	1 53	17 20	0 29	17 42	1 53	23 38	0 17	21 14	0 45	13 7	16 53	15 53	15 55	6 29	7 34	1 39	
T 14	18 19	11 1	4 59	11 56	1 51	14 41	1 4	15 52	1 54	17 19	0 30	17 44	1 53	23 38	0 17	21 14	0 45	13 7	16 53	15 58	15 56	6 31	7 33	1 39	
W15	18 34	14 15	4 56	12 31	1 46	15 5	1 3	15 45	1 56	17 19	0 30	17 46	1 53	23 38	0 17	21 14	0 45	13 7	16 52	16 2	15 57	6 33	7 33	1 39	
T 16	18 49	16 54	4 39	13 5	1 40	15 29	1 1	15 38	1 57	17 18	0 30	17 47	1 53	23 38	0 17	21 14	0 45	13 7	16 52	16 6	15 58	6 35	7 32	1 39	
F 17	19 4	18 51	4 10	13 40	1 34	15 52	0 59	15 31	1 59	17 17	0 30	17 49	1 53	23 38	0 17	21 15	0 45	13 7	16 52	16 10	15 59	6 37	7 31	1 39	
S 18	19 18	19 57	3 28	14 14	1 28	16 15	0 57	15 24	2 0	17 17	0 30	17 50	1 53	23 38	0 17	21 15	0 45	13 7	16 52	16 13	16 0	6 39	7 30	1 39	
S 19	19 32	20 5	2 36	14 48	1 22	16 38	0 55	15 17	2 2	17 17	0 31	17 52	1 53	23 38	0 17	21 15	0 45	13 7	16 51	16 15	16 1	6 41	7 29	1 39	
M20	19 46	19 13	1 36	15 21	1 15	17 0	0 53	15 11	2 3	17 16	0 31	17 54	1 53	23 38	0 17	21 15	0 45	13 7	16 51	16 16	16 2	6 43	7 28	1 39	
T 21	19 59	17 21	0 29	15 55	1 9	17 21	0 51	15 4	2 5	17 16	0 31	17 55	1 53	23 38	0 17	21 15	0 45	13 7	16 51	16 16	16 3	6 46	7 27	1 38	
W22	20 12	14 31	0n41	16 27	1 2	17 42	0 49	14 58	2 7	17 16	0 31	17 57	1 53	23 38	0 17	21 15	0 45	13 7	16 50	16 16	16 4	6 48	7 27	1 38	
T 23	20 25	10 51	1 50	16 59	0 55	18 3	0 47	14 51	2 8	17 16	0 32	17 58	1 53	23 37	0 17	21 15	0 45	13 7	16 50	16 16	16 5	6 50	7 26	1 38	
F 24	20 37	6 31	2 55	17 30	0 48	18 23	0 45	14 45	2 10	17 15	0 32	18 0	1 53	23 37	0 17	21 15	0 45	13 7	16 50	16 16	16 6	6 52	7 25	1 38	
S 25	20 49	1 42	3 50	18 1	0 41	18 43	0 43	14 39	2 12	17 15	0 32	18 2	1 53	23 37	0 17	21 16	0 45	13 7	16 50	16 17	16 7	6 54	7 24	1 38	
S 26	21 0	3s19	4 32	18 31	0 34	19 2	0 41	14 32	2 13	17 15	0 32	18 3	1 53	23 37	0 17	21 16	0 45	13 7	16 49	16 19	16 8	6 56	7 24	1 38	
M27	21 11	8 14	4 57	19 0	0 27	19 21	0 39	14 26	2 15	17 15	0 32	18 5	1 52	23 37	0 17	21 16	0 45	13 7	16 49	16 22	16 8	6 58	7 23	1 38	
T 28	21 22	12 42	5 1	19 28	0 20	19 39	0 37	14 21	2 17	17 15	0 33	18 6	1 52	23 37	0 17	21 16	0 45	13 6	16 49	16 25	16 9	7 0	7 22	1 37	
W29	21 32	16 20	4 45	19 55	0 13	19 57	0 34	14 15	2 19	17 16	0 33	18 8	1 52	23 37	0 17	21 16	0 45	13 6	16 48	16 28	16 10	7 2	7 22	1 37	
T 30	21s42	18s52	4n 9	20s22	0n 6	20s14	0n32	14n 9	2n20	17n16	0n33	18s 9	1n52	23s37	0s17	21n16	0s45	13s 6	16s48	16n31	16n11	7n 4	7n21	1n37	

ASTRODIENST EPHEMERIS for the year 2073

geocentric

DECEMBER 2073

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	4 41 53	9♂23'33	3♂48	3♂9	4♂16	28♂55	13°R35	29♂24	5♂2	19°R29	5°R48	14°R14	15♂25	0♂54	14°R51	F 1
S 2	4 45 50	10°24'22	17°56	4°43	5°32	29°16	13♂35	29°31	5°6	19♂28	5°Y47	14♂9	15°22	1°1	14°Y49	S 2
S 3	4 49 46	11°25'13	1♂36	6°17	6°47	29°35	13°34	29°38	5°9	19°27	5°47	14°6	15°19	1°8	14°48	S 3
M 4	4 53 43	12°26'04	14°48	7°52	8°3	29°55	13°33	29°45	5°12	19°26	5°47	14°D 5	15°16	1°14	14°47	M 4
T 5	4 57 39	13°26'56	27°35	9°26	9°18	0♂13	13°32	29°52	5°16	19°24	5°46	14°6	15°13	1°21	14°46	T 5
W 6	5 1 36	14°27'49	10♂0	11°0	10°34	0°32	13°31	29°59	5°19	19°23	5°46	14°R 7	15°9	1°28	14°45	W 6
T 7	5 5 33	15°28'43	22°9	12°34	11°49	0°50	13°30	0♂6	5°23	19°22	5°46	14°6	15°6	1°35	14°44	T 7
F 8	5 9 29	16°29'37	4°Y 7	14°9	13°5	1°7	13°28	0°13	5°26	19°20	5°45	14°5	15°3	1°41	14°43	F 8
S 9	5 13 26	17°30'32	15°59	15°43	14°20	1°24	13°26	0°20	5°29	19°19	5°45	14°0	15°0	1°48	14°42	S 9
S 10	5 17 22	18°31'28	27°50	17°17	15°36	1°41	13°24	0°27	5°33	19°18	5°45	13°54	14°57	1°55	14°41	S 10
M 11	5 21 19	19°32'25	9♂43	18°51	16°51	1°57	13°22	0°34	5°36	19°16	5°45	13°45	14°54	2°1	14°40	M 11
T 12	5 25 15	20°33'22	21°42	20°25	18°7	2°12	13°20	0°41	5°40	19°15	5°44	13°35	14°50	2°8	14°39	T 12
W 13	5 29 12	21°34'20	3♂48	22°0	19°22	2°27	13°17	0°48	5°43	19°13	5°44	13°24	14°47	2°15	14°39	W 13
T 14	5 33 8	22°35'19	16°3	23°34	20°38	2°42	13°14	0°54	5°47	19°12	5°44	13°14	14°44	2°22	14°38	T 14
F 15	5 37 5	23°36'18	28°27	25°9	21°53	2°56	13°11	1°1	5°51	19°10	5°44	13°6	14°41	2°28	14°37	F 15
S 16	5 41 2	24°37'19	11♂2	26°43	23°9	3°9	13°8	1°8	5°54	19°9	5°44	12°59	14°38	2°35	14°37	S 16
S 17	5 44 58	25°38'20	23°48	28°18	24°24	3°22	13°5	1°15	5°58	19°7	5°44	12°55	14°35	2°42	14°36	S 17
M 18	5 48 55	26°39'22	6♂45	29°53	25°40	3°35	13°1	1°21	6°1	19°6	5°44	12°D53	14°31	2°49	14°36	M 18
T 19	5 52 51	27°40'25	19°53	1♂28	26°55	3°47	12°57	1°28	6°5	19°4	5°D44	12°53	14°28	2°55	14°35	T 19
W 20	5 56 48	28°41'29	3♂14	3°3	28°11	3°58	12°54	1°35	6°8	19°3	5°44	12°54	14°25	3°2	14°35	W 20
T 21	6 0 44	29°42'33	16°50	4°38	29°26	4°8	12°49	1°41	6°12	19°1	5°44	12°55	14°22	3°9	14°35	T 21
F 22	6 4 41	0♂43'38	0♂40	6°14	0♂42	4°18	12°45	1°48	6°16	19°0	5°44	12°R56	14°19	3°15	14°35	F 22
S 23	6 8 37	1°44'44	14°46	7°50	1°57	4°28	12°41	1°54	6°19	18°58	5°44	12°55	14°15	3°22	14°34	S 23
S 24	6 12 34	2°45'51	29°6	9°25	3°13	4°37	12°36	2°1	6°23	18°56	5°44	12°53	14°12	3°29	14°34	S 24
M 25	6 16 31	3°46'59	13♂37	11°1	4°28	4°45	12°31	2°7	6°26	18°55	5°44	12°48	14°9	3°36	14°D34	M 25
T 26	6 20 27	4°48'07	28°15	12°38	5°44	4°52	12°26	2°14	6°30	18°53	5°44	12°43	14°6	3°42	14°34	T 26
W 27	6 24 24	5°49'16	12♂54	14°14	6°59	4°59	12°21	2°20	6°34	18°52	5°44	12°37	14°3	3°49	14°34	W 27
T 28	6 28 20	6°50'25	27°26	15°51	8°15	5°5	12°16	2°27	6°37	18°50	5°45	12°31	14°0	3°56	14°34	T 28
F 29	6 32 17	7°51'35	11♂45	17°27	9°30	5°10	12°11	2°33	6°41	18°48	5°45	12°26	13°56	4°2	14°35	F 29
S 30	6 36 13	8°52'45	25°44	19°4	10°46	5°15	12°5	2°39	6°44	18°47	5°45	12°24	13°53	4°9	14°35	S 30
S 31	6 40 10	9♂53'55	9♂21	20♂41	12♂1	5♂19	11♂59	2♂45	6♂48	18♂45	5°Y45	12°D22	13♂50	4♂16	14°Y35	S 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	21s51	20s 5	3n17	20s47	0s 0	20s30	0n30	14n 4	2n22	17n16	0n33	18s11	1n52	23s36	0s17	21n16	0s45	13s 6	16s48	16n33	16n12	7n 7	7n20	1n37			
S 2	22 0	20 0	2 15	21 11	0 7	20 46	0n27	13 58	2 24	17 16	0n33	18 12	1 52	23 36	0 17	21 17	0 45	13 6	16 47	16 35	16 13	7 9	7 20	1 37			
S 3	22 8	18 43	1 6	21 35	0 14	21 1	0 25	13 53	2 26	17 17	0 34	18 14	1 52	23 36	0 17	21 17	0 45	13 6	16 47	16 35	16 14	7 11	7 19	1 37			
M 4	22 17	16 27	0s 4	21 57	0 21	21 16	0 23	13 48	2 27	17 17	0 34	18 15	1 52	23 36	0 17	21 17	0 45	13 6	16 47	16 36	16 15	7 13	7 18	1 37			
T 5	22 24	13 26	1 11	22 18	0 27	21 30	0 21	13 43	2 29	17 18	0 34	18 17	1 52	23 36	0 17	21 17	0 45	13 5	16 46	16 35	16 16	7 15	7 18	1 36			
W 6	22 31	9 53	2 14	22 38	0 34	21 43	0 18	13 38	2 31	17 18	0 34	18 18	1 52	23 36	0 17	21 17	0 45	13 5	16 46	16 35	16 17	7 17	7 17	1 36			
T 7	22 38	6 0	3 9	22 57	0 40	21 56	0 16	13 34	2 33	17 19	0 34	18 20	1 52	23 36	0 17	21 18	0 45	13 5	16 46	16 35	16 18	7 19	7 17	1 36			
F 8	22 45	1 57	3 55	23 15	0 46	22 8	0 13	13 29	2 35	17 20	0 35	18 21	1 52	23 36	0 17	21 18	0 45	13 5	16 45	16 36	16 19	7 21	7 16	1 36			
S 9	22 50	2n 8	4 30	23 32	0 52	22 20	0 11	13 25	2 37	17 20	0 35	18 23	1 52	23 35	0 17	21 18	0 45	13 5	16 45	16 37	16 20	7 23	7 16	1 36			
S 10	22 56	6 8	4 53	23 47	0 58	22 30	0 9	13 21	2 39	17 21	0 35	18 24	1 52	23 35	0 17	21 18	0 45	13 4	16 45	16 39	16 21	7 25	7 15	1 36			
M 11	23 1	9 54	5 4	24 2	1 4	22 40	0 6	13 17	2 41	17 22	0 35	18 26	1 52	23 35	0 17	21 18	0 45	13 4	16 44	16 41	16 22	7 27	7 15	1 35			
T 12	23 6	13 19	5 2	24 15	1 10	22 50	0 4	13 13	2 43	17 23	0 36	18 27	1 52	23 35	0 17	21 19	0 45	13 4	16 44	16 44	16 22	7 30	7 14	1 35			
W 13	23 10	16 12	4 46	24 26	1 15	22 59	0 1	13 9	2 45	17 24	0 36	18 28	1 53	23 35	0 17	21 19	0 45	13 4	16 44	16 47	16 23	7 32	7 14	1 35			
T 14	23 13	18 26	4 17	24 37	1 20	23 7	0s 1	13 6	2 47	17 25	0 36	18 30	1 53	23 35	0 17	21 19	0 45	13 3	16 43	16 50	16 24	7 34	7 14	1 35			
F 15	23 16	19 49	3 36	24 46	1 26	23 14	0 3	13 3	2 49	17 26	0 36	18 31	1 53	23 35	0 17	21 19	0 45	13 3	16 43	16 53	16 25	7 36	7 13	1 35			
S 16	23 19	20 16	2 43	24 54	1 30	23 21	0 6	13 0	2 51	17 27	0 36	18 32	1 53	23 34	0 17	21 19	0 45	13 3	16 42	16 55	16 26	7 38	7 13	1 35			
S 17	23 21	19 40	1 41	25 0	1 35	23 27	0 8	12 57	2 53	17 28	0 37	18 34	1 53	23 34	0 17	21 20	0 45	13 3	16 42	16 56	16 27	7 40	7 12	1 35			
M 18	23 23	18 3	0 33	25 5	1 40	23 32	0 11	12 54	2 55	17 29	0 37	18 35	1 53	23 34	0 17	21 20	0 45	13 2	16 42	16 56	16 28	7 42	7 12	1 34			
T 19	23 24	15 27	0n38	25 9	1 44	23 36	0 13	12 52	2 57	17 30	0 37	18 36	1 53	23 34	0 17	21 20	0 45	13 2	16 41	16 56	16 29	7 44	7 12	1 34			
W 20	23 25	11 59	1 48	25 11	1 48	23 40	0 15	12 50	2 59	17 32	0 37	18 38	1 53	23 34	0 17	21 20	0 45	13 2	16 41	16 56	16 30	7 46	7 12	1 34			
T 21	23 26	7 52	2 53	25 12	1 51	23 43	0 18	12 48	3 1	17 33	0 37	18 39	1 53	23 34	0 17	21 20	0 45	13 1	16 41	16 56	16 31	7 48	7 11	1 34			
F 22	23 26	3 15	3 50	25 11	1 55	23 46	0 20	12 46	3 3	17 35	0 38	18 40	1 53	23 33	0 17	21 21	0 45	13 1	16 40	16 55	16 32	7 50	7 11	1 34			
S 23	23 25	1s36	4 34	25 9	1 58	23 47	0 22	12 45	3 5	17 36	0 38	18 41	1 53	23 33	0 17	21 21	0 45	13 1	16 40	16 56	16 33	7 53	7 11	1 34			
S 24	23 24	6 27	5 1	25 6	2 1	23 48	0 25	12 43	3 7	17 38	0 38	18 43	1 53	23 33	0 17	21 21	0 45	13 0	16 40	16 56	16 34	7 55	7 11	1 34			
M 25	23 22	10 59	5 10	25 1	2 3	23 48	0 27	12 42	3 10	17 39	0 38	18 44	1 53	23 33	0 17	21 21	0 45	13 0	16 39	16 58	16 34	7 57	7 11	1 33			
T 26	23 20	14 54	4 59	24 54	2 5	23 47	0 29	12 42	3 12	17 41	0 38	18 45	1 53	23 33	0 17	21 22	0 45	12 59	16 39	16 59	16 35	7 59	7 10	1 33			
W 27	23 18	17 54	4 28	24 46	2 7	23 46	0 31	12 41	3 14	17 42	0 39	18 46	1 53	23 33	0 17	21 22	0 45	12 59	16 39	17 1	16 36	8 1	7 10	1 33			
T 28	23 15	19 44	3 40	24 37	2 9	23 44	0 34	12 41	3 16	17 44	0 39	18 47	1 53	23 32	0 17	21 22	0 45	12 59	16 38	17 2	16 37	8 3	7 10	1 33			
F 29	23 12	20 16	2 39	24 26	2 10	23 41	0 36	12 41	3 18	17 46	0 39	18 49	1 53	23 32	0 17	21 22	0 45	12 58	16 38	17 4	16 38	8 5	7 10	1 33			
S 30	23 8	19 31	1 30	24 13	2 10	23 37	0 38	12 41	3 21	17 47	0 39	18 50	1 53	23 32	0 17	21 22	0 45	12 58	16 37	17 5	16 39	8 7	7 10	1 33			
S 31	23s 4	17s38	0n17	23s59	2s10	23s33	0s40	12n42	3n23	17n49	0n39	18s51	1n53	23s32	0s17	21n23	0s45	12s57	16s37	17n 5	16n40	8n 9	7n10	1n32			