



Astrodienst Ephemeris Tables for the year 2072

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 2072
geocentric

JANUARY 2072

00:00 UT

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

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	23s 1	10n28	3s36	23s52	0s27	19s39	1n42	25n 1	3n53	18n31	0s55	13s 5	2n19	23s36	0s11	21n49	0s52	13s39	16s26	3n18	2n59	13s44	5n11	2n20	
S 2	22 56	13 42	4 20	23 59	0 34	19 53	1 40	25 7	3 55	18 30	0 55	13 6	2 19	23 36	0 11	21 49	0 52	13 38	16 26	3 20	3 0	13 43	5 11	2 20	
S 3	22 51	16 17	4 50	24 6	0 40	20 7	1 37	25 13	3 56	18 30	0 54	13 8	2 19	23 36	0 11	21 49	0 52	13 38	16 26	3 23	3 1	13 42	5 11	2 20	
M 4	22 45	17 57	5 3	24 11	0 47	20 20	1 35	25 18	3 58	18 29	0 54	13 9	2 19	23 36	0 11	21 49	0 52	13 37	16 25	3 27	3 2	13 41	5 11	2 19	
T 5	22 39	18 27	4 56	24 15	0 53	20 33	1 33	25 24	4 0	18 29	0 54	13 10	2 20	23 36	0 11	21 49	0 52	13 37	16 25	3 31	3 4	13 39	5 11	2 19	
W 6	22 32	17 40	4 28	24 18	0 59	20 45	1 31	25 29	4 1	18 28	0 54	13 11	2 20	23 36	0 11	21 50	0 52	13 36	16 25	3 35	3 5	13 38	5 12	2 19	
T 7	22 24	15 38	3 41	24 19	1 5	20 56	1 29	25 35	4 3	18 28	0 53	13 12	2 20	23 36	0 11	21 50	0 52	13 36	16 24	3 38	3 6	13 37	5 12	2 19	
F 8	22 17	12 32	2 40	24 19	1 10	21 7	1 26	25 40	4 4	18 27	0 53	13 14	2 20	23 36	0 11	21 50	0 52	13 35	16 24	3 41	3 7	13 36	5 12	2 19	
S 9	22 9	8 40	1 27	24 18	1 16	21 18	1 24	25 45	4 5	18 27	0 53	13 15	2 20	23 36	0 11	21 50	0 52	13 35	16 24	3 42	3 9	13 35	5 12	2 18	
S 10	22 0	4 21	0 11	24 15	1 21	21 27	1 21	25 50	4 6	18 27	0 53	13 16	2 21	23 36	0 11	21 50	0 52	13 34	16 23	3 43	3 10	13 33	5 13	2 18	
M11	21 51	0s 6	1n 4	24 11	1 26	21 36	1 19	25 55	4 7	18 27	0 52	13 17	2 21	23 36	0 11	21 50	0 52	13 34	16 23	3 43	3 11	13 32	5 13	2 18	
T 12	21 42	4 25	2 14	24 6	1 31	21 45	1 17	25 59	4 8	18 26	0 52	13 18	2 21	23 36	0 11	21 51	0 52	13 33	16 23	3 42	3 12	13 31	5 13	2 18	
W13	21 32	8 23	3 14	23 59	1 35	21 53	1 14	26 4	4 9	18 26	0 52	13 19	2 21	23 36	0 11	21 51	0 52	13 33	16 22	3 42	3 14	13 30	5 14	2 18	
T 14	21 22	11 51	4 2	23 51	1 39	22 0	1 11	26 8	4 9	18 26	0 52	13 20	2 21	23 36	0 11	21 51	0 52	13 32	16 22	3 43	3 15	13 28	5 14	2 18	
F 15	21 11	14 40	4 38	23 41	1 43	22 7	1 9	26 12	4 10	18 26	0 51	13 21	2 22	23 36	0 11	21 51	0 52	13 32	16 22	3 45	3 16	13 27	5 14	2 17	
S 16	21 0	16 45	4 59	23 30	1 47	22 13	1 6	26 15	4 10	18 26	0 51	13 21	2 22	23 36	0 11	21 51	0 52	13 31	16 21	3 48	3 17	13 26	5 15	2 17	
S 17	20 48	18 1	5 6	23 17	1 50	22 18	1 3	26 19	4 11	18 26	0 51	13 22	2 22	23 36	0 11	21 52	0 52	13 30	16 21	3 51	3 19	13 25	5 15	2 17	
M18	20 36	18 26	4 58	23 3	1 53	22 23	1 1	26 22	4 11	18 26	0 50	13 23	2 22	23 36	0 11	21 52	0 52	13 30	16 21	3 55	3 20	13 23	5 16	2 17	
T 19	20 24	18 0	4 38	22 48	1 56	22 27	0 58	26 25	4 11	18 27	0 50	13 24	2 23	23 36	0 11	21 52	0 52	13 29	16 20	3 59	3 21	13 22	5 16	2 17	
W20	20 11	16 47	4 5	22 31	1 58	22 30	0 55	26 28	4 11	18 27	0 50	13 25	2 23	23 36	0 11	21 52	0 52	13 29	16 20	4 3	3 22	13 21	5 17	2 16	
T 21	19 58	14 51	3 22	22 12	2 0	22 33	0 53	26 31	4 11	18 27	0 50	13 26	2 23	23 36	0 11	21 52	0 52	13 28	16 20	4 7	3 24	13 20	5 17	2 16	
F 22	19 45	12 17	2 30	21 52	2 2	22 35	0 50	26 33	4 11	18 27	0 49	13 26	2 23	23 36	0 11	21 52	0 52	13 27	16 19	4 9	3 25	13 18	5 18	2 16	
S 23	19 31	9 15	1 32	21 31	2 4	22 36	0 47	26 36	4 11	18 28	0 49	13 27	2 23	23 36	0 11	21 53	0 52	13 27	16 19	4 11	3 26	13 17	5 18	2 16	
S 24	19 17	5 49	0 29	21 8	2 5	22 37	0 44	26 38	4 10	18 28	0 49	13 28	2 24	23 36	0 11	21 53	0 52	13 26	16 19	4 11	3 27	13 16	5 19	2 16	
M25	19 3	2 9	0s35	20 43	2 5	22 37	0 41	26 40	4 10	18 29	0 49	13 28	2 24	23 36	0 11	21 53	0 52	13 26	16 18	4 11	3 29	13 15	5 20	2 15	
T 26	18 48	1n38	1 39	20 17	2 5	22 36	0 38	26 41	4 9	18 29	0 48	13 29	2 24	23 37	0 11	21 53	0 52	13 25	16 18	4 11	3 30	13 13	5 20	2 15	
W27	18 33	5 25	2 39	19 50	2 5	22 35	0 36	26 43	4 9	18 30	0 48	13 29	2 24	23 37	0 11	21 53	0 52	13 24	16 18	4 10	3 31	13 12	5 21	2 15	
T 28	18 17	9 3	3 34	19 21	2 4	22 33	0 33	26 44	4 8	18 30	0 48	13 30	2 25	23 37	0 11	21 54	0 52	13 24	16 18	4 10	3 32	13 11	5 21	2 15	
F 29	18 1	12 22	4 19	18 50	2 3	22 30	0 30	26 45	4 7	18 31	0 48	13 30	2 25	23 37	0 11	21 54	0 52	13 23	16 17	4 10	3 34	13 10	5 22	2 15	
S 30	17 45	15 9	4 52	18 18	2 1	22 27	0 27	26 46	4 6	18 32	0 47	13 31	2 25	23 37	0 11	21 54	0 52	13 23	16 17	4 11	3 35	13 8	5 23	2 15	
S 31	17s29	17n12	5s 9	17s45	1s59	22s23	0n24	26n46	4n 5	18n32	0s47	13s31	2n25	23s37	0s11	21n54	0s52	13s22	16s17	4n12	3n36	13s 7	5n24	2n15	

ASTRODIENST EPHEMERIS for the year 2072
geocentric

MARCH 2072

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	10 38 38	11°15'10"	20°20'	23°R 8	20°22'3	12°23	28°8'43	13°R39	1°33'39	12°R46	4°Y31	18°R43	19°19	19°46	9°Y46	T 1
W 2	10 42 35	12°15'23"	5°Ω 6	22°H40	21°38	12°31	28°50	13°M38	1°41	12°545	4°32	18°M42	19°16	19°53	9°50	W 2
T 3	10 46 32	13°15'33"	20° 8	22° 3	22°52	12°40	28°58	13°37	1°43	12°45	4°34	18°42	19°13	19°59	9°53	T 3
F 4	10 50 28	14°15'41"	5°16	21°20	24° 7	12°49	29° 6	13°36	1°44	12°44	4°35	18°41	19° 9	20° 6	9°56	F 4
S 5	10 54 25	15°15'48"	20°21	20°30	25°21	12°59	29°14	13°35	1°46	12°44	4°36	18°D41	19° 6	20°13	9°59	S 5
S 6	10 58 21	16°15'52"	5°15	19°36	26°36	13°10	29°22	13°33	1°47	12°43	4°38	18°41	19° 3	20°19	10° 3	S 6
M 7	11 2 18	17°15'55"	19°50	18°38	27°50	13°21	29°30	13°32	1°49	12°42	4°39	18°42	19° 0	20°26	10° 6	M 7
T 8	11 6 14	18°15'56"	4°0	17°38	29° 4	13°33	29°39	13°30	1°50	12°42	4°41	18°R42	18°57	20°33	10° 9	T 8
W 9	11 10 11	19°15'56"	17°44	16°37	0°H19	13°45	29°47	13°29	1°52	12°41	4°42	18°42	18°54	20°39	10°12	W 9
T 10	11 14 7	20°15'54"	1°1	15°37	1°33	13°58	29°56	13°27	1°53	12°41	4°44	18°42	18°50	20°46	10°16	T 10
F 11	11 18 4	21°15'50"	13°53	14°40	2°48	14°11	0°II 4	13°25	1°55	12°41	4°45	18°41	18°47	20°53	10°19	F 11
S 12	11 22 0	22°15'45"	26°23	13°45	4° 2	14°25	0°13	13°23	1°56	12°40	4°47	18°D41	18°44	20°59	10°23	S 12
S 13	11 25 57	23°15'38"	8°37	12°54	5°17	14°39	0°22	13°21	1°57	12°40	4°48	18°42	18°41	21° 6	10°26	S 13
M14	11 29 54	24°15'30"	20°37	12° 8	6°31	14°53	0°32	13°19	1°58	12°39	4°49	18°42	18°38	21°13	10°29	M14
T 15	11 33 50	25°15'20"	2°29	11°28	7°46	15° 9	0°41	13°17	1°59	12°39	4°51	18°43	18°34	21°19	10°33	T 15
W16	11 37 47	26°15'08"	14°17	10°53	9° 0	15°24	0°50	13°14	2° 1	12°39	4°52	18°44	18°31	21°26	10°36	W16
T 17	11 41 43	27°14'54"	26° 5	10°25	10°15	15°40	1° 0	13°12	2° 2	12°39	4°54	18°44	18°28	21°32	10°40	T 17
F 18	11 45 40	28°14'38"	7°H55	10° 3	11°29	15°57	1° 9	13°10	2° 3	12°39	4°55	18°45	18°25	21°39	10°43	F 18
S 19	11 49 36	29°14'21	19°51	9°47	12°44	16°14	1°19	13° 7	2° 3	12°38	4°57	18°R45	18°22	21°46	10°47	S 19
S 20	11 53 33	0°Y14'01	1°Y55	9°38	13°58	16°31	1°29	13° 4	2° 4	12°38	4°58	18°45	18°19	21°52	10°50	S 20
M21	11 57 29	1°13'39	14° 8	9°D35	15°12	16°49	1°39	13° 2	2° 5	12°38	5° 0	18°44	18°15	21°59	10°54	M21
T 22	12 1 26	2°13'16	26°32	9°37	16°27	17° 7	1°49	12°59	2° 6	12°38	5° 1	18°42	18°12	22° 6	10°57	T 22
W23	12 5 23	3°12'50	9°H 9	9°46	17°41	17°26	1°59	12°56	2° 7	12°D38	5° 3	18°40	18° 9	22°12	11° 0	W23
T 24	12 9 19	4°12'22	21°58	9°59	18°56	17°45	2°10	12°53	2° 7	12°38	5° 4	18°38	18° 6	22°19	11° 4	T 24
F 25	12 13 16	5°11'52	5°II 3	10°18	20°10	18° 4	2°20	12°50	2° 8	12°38	5° 6	18°36	18° 3	22°26	11° 8	F 25
S 26	12 17 12	6°11'20	18°23	10°42	21°24	18°24	2°31	12°47	2° 9	12°38	5° 7	18°34	18° 0	22°32	11°11	S 26
S 27	12 21 9	7°10'45	1°59	11°11	22°39	18°44	2°41	12°44	2° 9	12°38	5° 9	18°D34	17°56	22°39	11°15	S 27
M28	12 25 5	8°10'08	15°53	11°44	23°53	19° 4	2°52	12°40	2° 9	12°39	5°10	18°34	17°53	22°46	11°18	M28
T 29	12 29 2	9° 9'29	0°Ω 3	12°21	25° 7	19°25	3° 3	12°37	2°10	12°39	5°12	18°34	17°50	22°52	11°22	T 29
W30	12 32 58	10° 8'47	14°28	13° 2	26°22	19°46	3°14	12°33	2°10	12°39	5°13	18°36	17°47	22°59	11°25	W30
T 31	12 36 55	11°Y 8'03	29°Ω 5	13°H47	27°H36	20°5 7	3°II25	12°M30	2°31	12°39	5°Y15	18°M37	17°M44	23°6 6	11°Y29	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
T 1	7s20	17n26	4s31	0n16	3n16	15s32	0s53	26n11	3n21	19n13	0s40	13s30	2n32	23s36	0s11	21n58
W 2	6 58	15 26	3 39	0 13	3 25	15 10	0 55	26 9	3 19	19 15	0 40	13 30	2 32	23 36	0 11	21 58
T 3	6 35	12 21	2 32	0 6	3 32	14 47	0 57	26 6	3 18	19 17	0 39	13 29	2 33	23 36	0 11	21 58
F 4	6 11	8 26	1 14	0s 7	3 37	14 24	0 59	26 4	3 16	19 19	0 39	13 29	2 33	23 36	0 12	21 59
S 5	5 48	3 58	0n 9	0 23	3 40	14 1	1 1	26 1	3 14	19 21	0 39	13 28	2 33	23 36	0 12	21 59
S 6	5 25	0s42	1 31	0 44	3 41	13 38	1 3	25 58	3 13	19 22	0 39	13 28	2 33	23 36	0 12	21 59
M 7	5 2	5 12	2 45	1 7	3 40	13 14	1 4	25 56	3 11	19 24	0 38	13 27	2 34	23 36	0 12	21 59
T 8	4 38	9 18	3 46	1 34	3 36	12 49	1 6	25 53	3 10	19 26	0 38	13 26	2 34	23 36	0 12	21 59
W 9	4 15	12 44	4 33	2 2	3 31	12 25	1 8	25 50	3 8	19 28	0 38	13 26	2 34	23 36	0 12	21 59
T 10	3 51	15 24	5 3	2 32	3 24	12 0	1 9	25 47	3 6	19 31	0 38	13 25	2 34	23 36	0 12	21 59
F 11	3 28	17 13	5 17	3 2	3 15	11 34	1 11	25 44	3 5	19 33	0 38	13 24	2 34	23 36	0 12	21 59
S 12	3 4	18 8	5 15	3 33	3 5	11 9	1 12	25 41	3 3	19 35	0 37	13 23	2 35	23 36	0 12	21 59
S 13	2 40	18 10	4 59	4 3	2 53	10 43	1 14	25 38	3 2	19 37	0 37	13 23	2 35	23 36	0 12	21 59
M14	2 17	17 24	4 30	4 32	2 40	10 17	1 15	25 35	3 0	19 39	0 37	13 22	2 35	23 36	0 12	21 59
T 15	1 53	15 52	3 50	5 0	2 26	9 50	1 16	25 31	2 58	19 41	0 37	13 21	2 35	23 36	0 12	21 59
W16	1 29	13 40	3 0	5 26	2 12	9 23	1 18	25 28	2 57	19 43	0 37	13 20	2 35	23 36	0 12	21 59
T 17	1 6	10 54	2 3	5 51	1 58	8 56	1 19	25 25	2 55	19 45	0 36	13 19	2 36	23 36	0 12	22 0
F 18	0 42	7 40	1 0	6 13	1 43	8 29	1 20	25 21	2 54	19 47	0 36	13 18	2 36	23 36	0 12	22 0
S 19	0 18	4 7	0s 6	6 32	1 28	8 2	1 21	25 18	2 52	19 50	0 36	13 17	2 36	23 36	0 12	22 0
S 20	0n 6	0 21	1 12	6 50	1 13	7 34	1 22	25 14	2 51	19 52	0 36	13 16	2 36	23 36	0 12	22 0
M21	0 29	3n29	2 16	7 5	0 58	7 6	1 23	25 10	2 49	19 54	0 36	13 15	2 36	23 36	0 12	22 0
T 22	0 53	7 12	3 15	7 17	0 43	6 38	1 24	25 6	2 48	19 56	0 36	13 14	2 36	23 37	0 12	22 0
W23	1 17	10 40	4 4	7 27	0 29	6 10	1 24	25 3	2 46	19 58	0 35	13 13	2 37	23 37	0 12	22 0
T 24	1 40	13 42	4 43	7 35	0 15	5 41	1 25	24 59	2 45	20 1	0 35	13 12	2 37	23 37	0 12	22 0
F 25	2 4	16 5	5 7	7 40	0 2	5 13	1 26	24 55	2 43	20 3	0 35	13 11	2 37	23 37	0 12	22 0
S 26	2 27	17 40	5 16	7 43	0s11	4 44	1 26	24 50	2 42	20 5	0 35	13 10	2 37	23 37	0 12	22 0
S 27	2 51	18 17	5 8	7 44	0 24	4 15	1 27	24 46	2 41	20 7	0 35	13 9	2 37	23 37	0 12	22 0
M28	3 14	17 50	4 41	7 42	0 35	3 46	1 27	24 42	2 39	20 10	0 34	13 8	2 37	23 37	0 12	22 0
T 29	3 38	16 16	3 57	7 39	0 47	3 17	1 28	24 38	2 38	20 12	0 34	13 7	2 38	23 37	0 12	22 0
W30	4 1	13 39	2 58	7 33	0 58	2 48	1 28	24 33	2 36	20 14	0 34	13 6	2 38	23 37	0 12	22 0
T 31	4n24	10n 8	1s46	7s25	1s 8	2s18	1s28	24n29	2n35	20n16	0s34	13s 4	2n38	23s37	0s12	22n 0

Julian Day Number = 2477902.5, Delta T = 81.78 sec
Ecliptic obliquity = 23°25'39", Nutation = - 0°00'02", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°44'55", Lahiri = 24°51'55"

ASTRODIENST EPHEMERIS for the year 2072

geocentric

APRIL 2072

00:00 UT

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

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

ASTRODIENST EPHEMERIS for the year 2072

geocentric

MAY 2072

00:00 UT

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

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	15n16	5s53	2n54	8n27	1s56	12n28	1s5	21n19	1n58	21n25	0s29	12s23	2n40	23s37	0s13	21n59
M 2	15 34	9 57	3 51	9 14	1 50	12 54	1 3	21 11	1 56	21 27	0 29	12 22	2 40	23 37	0 13	21 59
T 3	15 52	13 23	4 32	10 1	1 42	13 19	1 2	21 3	1 55	21 29	0 29	12 20	2 39	23 38	0 13	21 59
W 4	16 9	16 1	4 57	10 48	1 35	13 44	1 0	20 55	1 54	21 31	0 29	12 19	2 39	23 38	0 13	21 59
T 5	16 26	17 44	5 5	11 36	1 26	14 9	0 58	20 47	1 53	21 33	0 29	12 17	2 39	23 38	0 13	21 58
F 6	16 43	18 28	4 57	12 23	1 18	14 34	0 56	20 39	1 52	21 35	0 29	12 16	2 39	23 38	0 13	21 58
S 7	16 59	18 17	4 35	13 11	1 9	14 58	0 54	20 31	1 51	21 37	0 29	12 15	2 39	23 38	0 13	21 58
S 8	17 16	17 13	4 0	13 59	1 0	15 21	0 53	20 22	1 50	21 39	0 28	12 13	2 39	23 38	0 13	21 58
M 9	17 32	15 24	3 16	14 46	0 50	15 45	0 51	20 14	1 49	21 41	0 28	12 12	2 39	23 38	0 13	21 58
T 10	17 47	12 57	2 23	15 33	0 40	16 8	0 49	20 5	1 48	21 43	0 28	12 11	2 39	23 38	0 13	21 58
W 11	18 3	9 58	1 24	16 19	0 30	16 30	0 47	19 56	1 47	21 45	0 28	12 9	2 39	23 38	0 13	21 58
T 12	18 18	6 35	0 22	17 5	0 20	16 53	0 45	19 47	1 46	21 47	0 28	12 8	2 39	23 38	0 13	21 58
F 13	18 32	2 54	0s41	17 50	0 9	17 14	0 43	19 38	1 45	21 49	0 28	12 7	2 39	23 38	0 13	21 58
S 14	18 47	0n57	1 44	18 34	0n1	17 35	0 40	19 29	1 44	21 50	0 28	12 6	2 39	23 38	0 13	21 57
S 15	19 1	4 50	2 43	19 16	0 12	17 56	0 38	19 20	1 43	21 52	0 28	12 4	2 39	23 38	0 13	21 57
M 16	19 15	8 36	3 35	19 57	0 22	18 17	0 36	19 11	1 42	21 54	0 28	12 3	2 39	23 38	0 13	21 57
T 17	19 28	12 4	4 18	20 36	0 33	18 37	0 34	19 1	1 41	21 56	0 27	12 2	2 38	23 38	0 13	21 57
W 18	19 41	14 59	4 47	21 13	0 43	18 56	0 32	18 52	1 40	21 58	0 27	12 1	2 38	23 38	0 13	21 57
T 19	19 54	17 10	5 1	21 48	0 53	19 15	0 30	18 42	1 39	21 59	0 27	11 59	2 38	23 38	0 13	21 57
F 20	20 7	18 23	4 58	22 21	1 2	19 33	0 27	18 32	1 39	22 1	0 27	11 58	2 38	23 38	0 13	21 57
S 21	20 19	18 31	4 37	22 51	1 11	19 51	0 25	18 22	1 38	22 3	0 27	11 57	2 38	23 38	0 13	21 56
S 22	20 30	17 29	3 58	23 19	1 20	20 8	0 23	18 12	1 37	22 5	0 27	11 56	2 38	23 38	0 13	21 56
M 23	20 42	15 23	3 6	23 45	1 28	20 25	0 20	18 2	1 36	22 6	0 27	11 55	2 38	23 38	0 13	21 56
T 24	20 53	12 21	2 1	24 7	1 35	20 41	0 18	17 52	1 35	22 8	0 27	11 54	2 38	23 38	0 13	21 56
W 25	21 4	8 36	0 50	24 27	1 42	20 57	0 16	17 42	1 34	22 10	0 27	11 53	2 37	23 38	0 13	21 56
T 26	21 14	4 23	0n25	24 44	1 48	21 12	0 13	17 31	1 33	22 11	0 26	11 52	2 37	23 38	0 13	21 56
F 27	21 24	0s4	1 38	24 59	1 53	21 26	0 11	17 21	1 32	22 13	0 26	11 51	2 37	23 38	0 13	21 56
S 28	21 33	4 29	2 44	25 11	1 58	21 40	0 9	17 10	1 31	22 14	0 26	11 50	2 37	23 38	0 13	21 55
S 29	21 43	8 38	3 40	25 21	2 2	21 54	0 6	17 0	1 30	22 16	0 26	11 49	2 37	23 38	0 13	21 55
M 30	21 52	12 16	4 22	25 28	2 5	22 6	0 4	16 49	1 29	22 17	0 26	11 48	2 37	23 38	0 13	21 55
T 31	22n0	15s12	4n49	25n32	2n7	22n18	0s2	16n38	1n29	22n19	0s26	11s47	2n36	23s39	0s13	21n55

Julian Day Number = 2477963.5, Delta T = 81.84 sec
 Ecliptic obliquity = 23°25'39", Nutation = - 0°00'06", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 25°45'03", Lahiri = 24°52'03"

ASTRODIENST EPHEMERIS for the year 2072

geocentric

JUNE 2072

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	16 41 21	11°12'25.3	12°14'14	29°11'51	14°11'5	19°11'1	16°11'46	8°11'1	0°11'59	13°11'54	6°11'30	14°11'31	14°11'27	29°11'58	14°11'40	W 1
T 2	16 45 18	12°20'22	25°16	18°33	15°19	19°43	16°59	8°11'7	0°11'56	13°11'56	6°11'31	14°11'19	14°11'23	0°11'5	14°11'42	T 2
F 3	16 49 14	13°17'50	8°3	3°13	16°33	20°16	17°13	8°11'4	0°11'54	13°11'58	6°11'31	14°11'7	14°11'20	0°11'1	14°11'44	F 3
S 4	16 53 11	14°15'18	20°30	4°49	17°46	20°49	17°27	8°11'1	0°11'52	14°11'0	6°11'32	13°11'57	14°11'17	0°11'18	14°11'46	S 4
S 5	16 57 8	15°12'44	2°43	6°23	19°0	21°22	17°41	7°58	0°49	14°11'2	6°11'33	13°11'49	14°11'14	0°11'25	14°11'49	S 5
M 6	17 1 4	16°10'10	14°44	7°54	20°14	21°55	17°55	7°55	0°47	14°11'4	6°11'33	13°11'45	14°11'11	0°11'31	14°11'51	M 6
T 7	17 5 1	17°7'35	26°36	9°22	21°28	22°28	18°9	7°52	0°45	14°11'6	6°11'34	13°11'42	14°11'8	0°11'38	14°11'53	T 7
W 8	17 8 57	18°5'00	8°25	10°47	22°41	23°1	18°23	7°49	0°42	14°11'8	6°11'35	13°11'41	14°11'4	0°11'45	14°11'55	W 8
T 9	17 12 54	19°2'23	20°15	12°9	23°55	23°34	18°37	7°46	0°40	14°11'10	6°11'35	13°11'41	14°11'1	0°11'51	14°11'57	T 9
F 10	17 16 50	19°59'47	2°11	13°28	25°9	24°7	18°51	7°43	0°38	14°11'12	6°11'36	13°11'41	13°11'58	0°11'58	14°11'58	F 10
S 11	17 20 47	20°57'09	14°20	14°44	26°22	24°41	19°5	7°40	0°35	14°11'14	6°11'36	13°11'39	13°11'55	1°11'5	15°11'0	S 11
S 12	17 24 43	21°54'32	26°47	15°57	27°36	25°14	19°19	7°38	0°33	14°11'16	6°11'37	13°11'35	13°11'52	1°11'11	15°11'2	S 12
M13	17 28 40	22°51'53	9°34	17°7	28°50	25°48	19°33	7°35	0°30	14°11'18	6°11'37	13°11'29	13°11'48	1°11'18	15°11'4	M13
T 14	17 32 37	23°49'14	22°44	18°13	0°4	26°21	19°46	7°33	0°28	14°11'20	6°11'38	13°11'20	13°11'45	1°11'25	15°11'5	T 14
W15	17 36 33	24°46'35	6°11'19	19°16	1°17	26°55	20°0	7°30	0°26	14°11'22	6°11'38	13°11'9	13°11'42	1°11'31	15°11'7	W15
T 16	17 40 30	25°43'55	20°15	20°16	2°31	27°29	20°14	7°28	0°23	14°11'24	6°11'39	12°11'58	13°11'39	1°11'38	15°11'9	T 16
F 17	17 44 26	26°41'15	4°29	21°12	3°45	28°3	20°28	7°26	0°21	14°11'26	6°11'39	12°11'47	13°11'36	1°11'45	15°11'10	F 17
S 18	17 48 23	27°38'34	18°56	22°5	4°58	28°37	20°42	7°24	0°18	14°11'29	6°11'40	12°11'37	13°11'33	1°11'51	15°11'12	S 18
S 19	17 52 19	28°35'53	3°28	22°54	6°12	29°11	20°56	7°22	0°16	14°11'31	6°11'40	12°11'30	13°11'29	1°11'58	15°11'13	S 19
M20	17 56 16	29°33'10	17°59	23°39	7°26	29°45	21°10	7°20	0°13	14°11'33	6°11'40	12°11'26	13°11'26	2°11'5	15°11'15	M20
T 21	18 0 12	0°30'27	2°25	24°21	8°39	0°19	21°23	7°18	0°11	14°11'35	6°11'41	12°11'24	13°11'23	2°11'11	15°11'16	T 21
W22	18 4 9	1°27'43	16°42	24°58	9°53	0°54	21°37	7°16	0°8	14°11'37	6°11'41	12°11'24	13°11'20	2°11'18	15°11'17	W22
T 23	18 8 6	2°24'58	0°48	25°32	11°7	1°28	21°51	7°14	0°6	14°11'39	6°11'41	12°11'24	13°11'17	2°11'24	15°11'19	T 23
F 24	18 12 2	3°22'13	14°43	26°1	12°20	2°2	22°5	7°13	0°4	14°11'42	6°11'42	12°11'24	13°11'14	2°11'31	15°11'20	F 24
S 25	18 15 59	4°19'27	28°26	26°26	13°34	2°37	22°19	7°11	0°1	14°11'44	6°11'42	12°11'22	13°11'10	2°11'38	15°11'21	S 25
S 26	18 19 55	5°16'40	11°58	26°46	14°48	3°12	22°32	7°10	29°11'59	14°11'46	6°11'42	12°11'17	13°11'7	2°11'44	15°11'22	S 26
M27	18 23 52	6°13'53	25°18	27°2	16°1	3°46	22°46	7°9	29°11'56	14°11'48	6°11'42	12°11'10	13°11'4	2°11'51	15°11'23	M27
T 28	18 27 48	7°11'06	8°26	27°14	17°15	4°21	23°0	7°8	29°11'54	14°11'50	6°11'42	12°11'1	13°11'1	2°11'58	15°11'24	T 28
W29	18 31 45	8°8'18	21°22	27°21	18°29	4°56	23°13	7°7	29°11'51	14°11'53	6°11'43	11°11'50	12°11'58	3°11'4	15°11'25	W29
T 30	18 35 41	9°5'30	4°5	27°23	19°42	5°13	23°11'27	7°11'6	29°11'49	14°11'55	6°11'43	11°11'39	12°11'54	3°11'11	15°11'26	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
W 1	22n 8	17s17	5n 0	25n35	2n 9	22n30	0n 1	16n27	1n28	22n20	0s26	11s46	2n36	23s39	0s13	21n55	0s48	12s26	16s22	6n 6	6n 7	10s16	7n43	2n 7					
T 2	22 16	18 26	4 55	25 35	2 10	22 40	0 3	16 16	1 27	22 22	0 26	11 45	2 36	23 39	0 13	21 55	0 48	12 26	16 22	6 10	6 8	10 15	7 44	2 7					
F 3	22 23	18 36	4 35	25 33	2 10	22 50	0 6	16 5	1 26	22 23	0 26	11 44	2 36	23 39	0 13	21 54	0 48	12 26	16 22	6 15	6 10	10 13	7 45	2 7					
S 4	22 30	17 52	4 2	25 29	2 9	23 0	0 8	15 54	1 25	22 25	0 26	11 43	2 36	23 39	0 13	21 54	0 48	12 26	16 23	6 19	6 11	10 12	7 46	2 7					
S 5	22 36	16 19	3 19	25 23	2 7	23 9	0 10	15 42	1 24	22 26	0 25	11 42	2 35	23 39	0 13	21 54	0 48	12 26	16 23	6 22	6 12	10 10	7 47	2 7					
M 6	22 43	14 4	2 27	25 16	2 5	23 17	0 13	15 31	1 23	22 27	0 25	11 41	2 35	23 39	0 13	21 54	0 48	12 26	16 23	6 23	6 13	10 9	7 48	2 7					
T 7	22 48	11 14	1 29	25 7	2 1	23 24	0 15	15 19	1 22	22 29	0 25	11 41	2 35	23 39	0 13	21 54	0 48	12 26	16 24	6 24	6 15	10 7	7 48	2 7					
W 8	22 54	7 59	0 28	24 56	1 57	23 31	0 17	15 7	1 22	22 30	0 25	11 40	2 35	23 39	0 13	21 53	0 48	12 26	16 24	6 25	6 16	10 5	7 49	2 7					
T 9	22 59	4 24	0s35	24 45	1 53	23 37	0 20	14 56	1 21	22 31	0 25	11 39	2 35	23 39	0 13	21 53	0 48	12 26	16 24	6 25	6 17	10 4	7 50	2 7					
F 10	23 3	0 36	1 37	24 32	1 47	23 42	0 22	14 44	1 20	22 33	0 25	11 38	2 34	23 39	0 13	21 53	0 48	12 27	16 25	6 25	6 18	10 2	7 51	2 7					
S 11	23 7	3n16	2 35	24 17	1 41	23 47	0 24	14 32	1 19	22 34	0 25	11 38	2 34	23 39	0 13	21 53	0 48	12 27	16 25	6 25	6 19	10 1	7 52	2 7					
S 12	23 11	7 6	3 27	24 2	1 34	23 51	0 27	14 20	1 18	22 35	0 25	11 37	2 34	23 39	0 13	21 53	0 47	12 27	16 25	6 27	6 21	9 59	7 52	2 7					
M13	23 14	10 42	4 11	23 46	1 27	23 54	0 29	14 8	1 17	22 36	0 25	11 37	2 34	23 39	0 13	21 52	0 47	12 27	16 26	6 29	6 22	9 58	7 53	2 7					
T 14	23 17	13 53	4 43	23 29	1 18	23 57	0 31	13 56	1 17	22 37	0 25	11 36	2 34	23 39	0 13	21 52	0 47	12 27	16 26	6 33	6 23	9 56	7 54	2 7					
W15	23 19	16 26	4 59	23 11	1 9	23 59	0 34	13 43	1 16	22 39	0 25	11 35	2 33	23 39	0 13	21 52	0 47	12 27	16 27	6 37	6 24	9 55	7 54	2 7					
T 16	23 21	18 6	4 59	22 53	0 59	24 0	0 36	13 31	1 15	22 40	0 24	11 35	2 33	23 39	0 13	21 52	0 47	12 27	16 27	6 41	6 26	9 53	7 55	2 7					
F 17	23 23	18 41	4 40	22 34	0 49	24 0	0 38	13 18	1 14	22 41	0 24	11 34	2 33	23 39	0 13	21 52	0 47	12 28	16 27	6 46	6 27	9 52	7 56	2 7					
S 18	23 24	18 4	4 4	22 15	0 38	24 0	0 40	13 6	1 13	22 42	0 24	11 34	2 33	23 39	0 13	21 51	0 47	12 28	16 28	6 49	6 28	9 50	7 56	2 7					
S 19	23 25	16 16	3 11	21 55	0 26	23 59	0 42	12 53	1 13	22 43	0 24	11 34	2 32	23 39	0 13	21 51	0 47	12 28	16 28	6 52	6 29	9 48	7 57	2 7					
M20	23 26	13 26	2 6	21 36	0 14	23 58	0 44	12 40	1 12	22 44	0 24	11 33	2 32	23 39	0 13	21 51	0 47	12 28	16 28	6 53	6 30	9 47	7 58	2 7					
T 21	23 26	9 47	0 53	21 16	0 1	23 55	0 47	12 28	1 11	22 45	0 24	11 33	2 32	23 39	0 13	21 51	0 47	12 28	16 29	6 54	6 32	9 45	7 58	2 7					
W22	23 25	5 36	0n23	20 56	0s12	23 52	0 49	12 15	1 10	22 46	0 24	11 32	2 32	23 39	0 13	21 50	0 47	12 28	16 29	6 54	6 33	9 44	7 59	2 7					
T 23	23 24	1 9	1 36	20 36	0 26	23 48	0 51	12 2	1 9	22 47	0 24	11 32	2 31	23 39	0 13	21 50	0 47	12 29	16 30	6 54	6 34	9 42	7 59	2 7					
F 24	23 23	3s17	2 43	20 17	0 40	23 44	0 53	11 49	1 9	22 48	0 24	11 32	2 31	23 39	0 13	21 50	0 47	12 29	16 30	6 54	6 35	9 41	8 0	2 8					
S 25	23 21	7 30	3 39	19 58	0 55	23 38	0 55	11 35	1 8	22 49	0 24	11 32	2 31	23 39	0 13	21 50	0 47	12 29	16 30	6 55	6 37	9 39	8 0	2 8					
S 26	23 19	11 15	4 22	19 39	1 10	23 33	0 57	11 22	1 7	22 49	0 24	11 31	2 31	23 39	0 13	21 50	0 47	12 29	16 31	6 57	6 38	9 37	8 1	2 8					
M27	23 17	14 22	4 51	19 21	1 25	23 26	0 58	11 9	1 6	22 50	0 24	11 31	2 30	23 39	0 13	21 49	0 47	12 30	16 31	7 0	6 39	9 36	8 1	2 8					
T 28	23 14	16 43	5 3	19 3	1 41	23 19	1 0	10 56	1 5	22 51	0 23	11 31	2 30	23 39	0 13	21 49	0 47	12 30	16 31	7 3	6 40	9 34	8 2	2 8					
W29	23 11	18 10	4 59	18 46	1 57	23 11	1 2	10 42	1 5	22 52	0 23	11 31	2 30	23 39	0 13	21 49	0 47	12 30	16 32	7 7	6 41	9 33	8 2	2 8					
T 30	23n 7	18s41	4n41	18n30	2s13	23n 2	1n 4	10n29	1n 4	22n53	0s23	11s31	2n30	23s39	0s13	21n49	0s47	12s31	16s32	7n11	6n43	9s31	8n 2	2n 8					

ASTRODIENST EPHEMERIS for the year 2072
geocentric

JULY 2072

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	18 39 38	10♌ 2'41	16♌34	27°R21	20♌56	6♍ 6	23♌41	7°R 5	29°R47	14♌57	6♍43	11°R29	12♍51	3♌18	15♍27	F 1
S 2	18 43 35	10°59'53	28°51	27♌14	22°10	6°41	23°54	7♍ 4	29°R44	14°59	6°43	11♍20	12°48	3°24	15°28	S 2
S 3	18 47 31	11°57'04	10♌57	27° 2	23°23	7°16	24° 8	7° 3	29°42	15° 2	6°43	11°14	12°45	3°31	15°29	S 3
M 4	18 51 28	12°54'16	22°53	26°47	24°37	7°51	24°21	7° 2	29°39	15° 4	6°43	11°10	12°42	3°38	15°30	M 4
T 5	18 55 24	13°51'27	4♌43	26°27	25°51	8°26	24°35	7° 2	29°37	15° 6	6°43	11° 8	12°39	3°44	15°30	T 5
W 6	18 59 21	14°48'39	16°30	26° 3	27° 4	9° 1	24°48	7° 2	29°35	15° 8	6°R43	11°D 8	12°35	3°51	15°31	W 6
T 7	19 3 17	15°45'51	28°20	25°36	28°18	9°37	25° 2	7° 1	29°32	15°11	6°43	11° 9	12°32	3°58	15°32	T 7
F 8	19 7 14	16°43'03	10♍16	25° 5	29°31	10°12	25°15	7° 1	29°30	15°13	6°43	11°10	12°29	4° 4	15°32	F 8
S 9	19 11 10	17°40'16	22°24	24°32	0♌45	10°48	25°28	7° 1	29°28	15°15	6°43	11°R10	12°26	4°11	15°33	S 9
S 10	19 15 7	18°37'29	4♌50	23°56	1°59	11°23	25°42	7°D 1	29°26	15°17	6°43	11° 8	12°23	4°17	15°33	S 10
M 11	19 19 4	19°34'42	17°38	23°19	3°12	11°59	25°55	7° 1	29°23	15°19	6°43	11° 5	12°20	4°24	15°33	M 11
T 12	19 23 0	20°31'56	0♌51	22°40	4°26	12°35	26° 8	7° 1	29°21	15°22	6°43	11° 0	12°16	4°31	15°34	T 12
W 13	19 26 57	21°29'11	14°31	22° 1	5°39	13°10	26°21	7° 1	29°19	15°24	6°43	10°53	12°13	4°37	15°34	W 13
T 14	19 30 53	22°26'25	28°37	21°23	6°53	13°46	26°34	7° 2	29°17	15°26	6°42	10°45	12°10	4°44	15°34	T 14
F 15	19 34 50	23°23'41	13♌ 6	20°45	8° 7	14°22	26°48	7° 2	29°14	15°28	6°42	10°38	12° 7	4°51	15°34	F 15
S 16	19 38 46	24°20'56	27°51	20° 9	9°20	14°58	27° 1	7° 3	29°12	15°31	6°42	10°32	12° 4	4°57	15°35	S 16
S 17	19 42 43	25°18'12	12♌45	19°35	10°34	15°34	27°14	7° 3	29°10	15°33	6°42	10°27	12° 0	5° 4	15°35	S 17
M 18	19 46 40	26°15'29	27°39	19° 4	11°47	16°10	27°27	7° 4	29° 8	15°35	6°42	10°25	11°57	5°11	15°R35	M 18
T 19	19 50 36	27°12'45	12♍26	18°36	13° 1	16°46	27°40	7° 5	29° 6	15°37	6°41	10°D24	11°54	5°17	15°35	T 19
W 20	19 54 33	28°10'01	26°59	18°12	14°15	17°23	27°52	7° 6	29° 4	15°39	6°41	10°25	11°51	5°24	15°34	W 20
T 21	19 58 29	29° 7'18	11♌17	17°53	15°28	17°59	28° 5	7° 7	29° 2	15°42	6°41	10°26	11°48	5°31	15°34	T 21
F 22	20 2 26	0♌ 4'35	25°15	17°38	16°42	18°35	28°18	7° 8	29° 0	15°44	6°40	10°R27	11°45	5°37	15°34	F 22
S 23	20 6 22	1° 1'52	8♍55	17°29	17°55	19°12	28°31	7° 9	28°58	15°46	6°40	10°27	11°41	5°44	15°34	S 23
S 24	20 10 19	1°59'10	22°17	17°D25	19° 9	19°48	28°43	7°11	28°56	15°48	6°40	10°25	11°38	5°51	15°34	S 24
M 25	20 14 15	2°56'27	5♌23	17°27	20°22	20°25	28°56	7°12	28°54	15°50	6°39	10°22	11°35	5°57	15°33	M 25
T 26	20 18 12	3°53'46	18°13	17°34	21°36	21° 1	29° 9	7°14	28°52	15°52	6°39	10°17	11°32	6° 4	15°33	T 26
W 27	20 22 8	4°51'04	0♌51	17°47	22°49	21°38	29°21	7°15	28°50	15°54	6°38	10°11	11°29	6°10	15°32	W 27
T 28	20 26 5	5°48'24	13°16	18° 7	24° 3	22°15	29°34	7°17	28°49	15°57	6°38	10° 5	11°26	6°17	15°32	T 28
F 29	20 30 2	6°45'43	25°30	18°32	25°16	22°52	29°46	7°19	28°47	15°59	6°37	10° 0	11°22	6°24	15°31	F 29
S 30	20 33 58	7°43'04	7♌35	19° 4	26°30	23°29	29°58	7°21	28°45	16° 1	6°37	9°55	11°19	6°30	15°31	S 30
S 31	20 37 55	8♌40'25	19♌32	19°42	27♌43	24♍ 5	0♌10	7♍23	28°R44	16° 3	6♍36	9♍52	11♍16	6♌37	15♍30	S 31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	23n 3	18s17	4n 9	18n15	2s28	22n53	1n 6	10n15	1n 3	22n53	0s23	11s31	2n29	23s39	0s13	21n48	0s47	12s31	16s32	7n15	6n44	9s30	8n 3	2n 8	
S 2	22 58	17 1	3 26	18 1	2 44	22 43	1 7	10 1	1 2	22 54	0 23	11 31	2 29	23 39	0 13	21 48	0 47	12 31	16 33	7 19	6 45	9 28	8 3	2 8	
S 3	22 53	15 0	2 34	17 48	3 0	22 32	1 9	9 48	1 2	22 55	0 23	11 31	2 29	23 39	0 13	21 48	0 47	12 31	16 33	7 21	6 46	9 26	8 4	2 8	
M 4	22 48	12 22	1 36	17 36	3 15	22 21	1 10	9 34	1 1	22 55	0 23	11 31	2 29	23 39	0 13	21 48	0 47	12 32	16 34	7 23	6 47	9 25	8 4	2 8	
T 5	22 42	9 15	0 34	17 26	3 29	22 9	1 12	9 20	1 0	22 56	0 23	11 31	2 28	23 39	0 13	21 48	0 47	12 32	16 34	7 23	6 49	9 23	8 4	2 8	
W 6	22 36	5 46	0s29	17 16	3 43	21 56	1 13	9 6	0 59	22 57	0 23	11 31	2 28	23 39	0 13	21 47	0 47	12 32	16 34	7 23	6 50	9 22	8 4	2 8	
T 7	22 30	2 4	1 31	17 9	3 56	21 43	1 15	8 52	0 58	22 57	0 23	11 31	2 28	23 39	0 13	21 47	0 47	12 33	16 35	7 23	6 51	9 20	8 5	2 8	
F 8	22 23	1n46	2 30	17 2	4 8	21 29	1 16	8 38	0 58	22 58	0 23	11 31	2 28	23 39	0 13	21 47	0 47	12 33	16 35	7 23	6 52	9 19	8 5	2 8	
S 9	22 16	5 34	3 24	16 57	4 19	21 14	1 17	8 24	0 57	22 58	0 23	11 32	2 27	23 39	0 14	21 47	0 47	12 33	16 35	7 23	6 54	9 17	8 5	2 8	
S 10	22 8	9 13	4 9	16 53	4 29	20 59	1 19	8 9	0 56	22 59	0 23	11 32	2 27	23 39	0 14	21 46	0 47	12 34	16 36	7 23	6 55	9 15	8 5	2 8	
M 11	22 0	12 33	4 43	16 51	4 38	20 44	1 20	7 55	0 55	22 59	0 23	11 32	2 27	23 39	0 14	21 46	0 47	12 34	16 36	7 24	6 56	9 14	8 6	2 8	
T 12	21 52	15 22	5 3	16 51	4 44	20 27	1 21	7 41	0 55	23 0	0 22	11 32	2 26	23 39	0 14	21 46	0 47	12 35	16 37	7 26	6 57	9 12	8 6	2 8	
W 13	21 43	17 26	5 7	16 51	4 50	20 10	1 22	7 26	0 54	23 0	0 22	11 33	2 26	23 39	0 14	21 46	0 47	12 35	16 37	7 29	6 58	9 11	8 6	2 8	
T 14	21 34	18 32	4 53	16 54	4 54	19 53	1 23	7 12	0 53	23 1	0 22	11 33	2 26	23 39	0 14	21 45	0 47	12 35	16 37	7 32	7 0	9 9	8 6	2 8	
F 15	21 24	18 28	4 20	16 57	4 56	19 35	1 24	6 57	0 53	23 1	0 22	11 34	2 26	23 39	0 14	21 45	0 47	12 36	16 38	7 35	7 1	9 7	8 6	2 9	
S 16	21 14	17 9	3 30	17 2	4 56	19 17	1 25	6 43	0 52	23 1	0 22	11 34	2 25	23 39	0 14	21 45	0 47	12 36	16 38	7 37	7 2	9 6	8 6	2 9	
S 17	21 4	14 40	2 24	17 8	4 55	18 57	1 26	6 28	0 51	23 2	0 22	11 34	2 25	23 39	0 14	21 45	0 47	12 37	16 38	7 39	7 3	9 4	8 6	2 9	
M 18	20 53	11 13	1 9	17 15	4 52	18 38	1 27	6 14	0 50	23 2	0 22	11 35	2 25	23 39	0 14	21 44	0 47	12 37	16 39	7 40	7 4	9 2	8 6	2 9	
T 19	20 42	7 4	0n11	17 23	4 48	18 18	1 27	5 59	0 50	23 2	0 22	11 36	2 25	23 39	0 14	21 44	0 47	12 37	16 39	7 40	7 6	9 1	8 6	2 9	
W 20	20 31	2 33	1 29	17 32	4 42	17 57	1 28	5 44	0 49	23 3	0 22	11 36	2 24	23 39	0 14	21 44	0 47	12 38	16 39	7 39	7 7	8 59	8 6	2 9	
T 21	20 19	2s 0	2 40	17 42	4 34	17 36	1 29	5 29	0 48	23 3	0 22	11 37	2 24	23 39	0 14	21 44	0 47	12 38	16 40	7 39	7 8	8 58	8 6	2 9	
F 22	20 7	6 21	3 40	17 53	4 26	17 14	1 29	5 14	0 47	23 3	0 22	11 37	2 24	23 39	0 14	21 43	0 47	12 39	16 40	7 39	7 9	8 56	8 6	2 9	
S 23	19 55	10 16	4 26	18 4	4 16	16 52	1 30	4 59	0 47	23 3	0 22	11 38	2 24	23 39	0 14	21 43	0 47	12 39	16 41	7 39	7 11	8 54	8 6	2 9	
S 24	19 42	13 34	4 56	18 15	4 5	16 30	1 30	4 44	0 46	23 4	0 22	11 39	2 23	23 39	0 14	21 43	0 47	12 40	16 41	7 39	7 12	8 53	8 6	2 9	
M 25	19 29	16 6	5 10	18 27	3 53	16 7	1 30	4 29	0 45	23 4	0 22	11 39	2 23	23 39	0 14	21 43	0 47	12 40	16 41	7 41	7 13	8 51	8 6	2 9	
T 26	19 16	17 47	5 8	18 38	3 40	15 44	1 31	4 14	0 45	23 4	0 22	11 40	2 23	23 39	0 14	21 42	0 47	12 41	16 42	7 43	7 14	8 50	8 6	2 9	
W 27	19 3	18 34	4 51	18 50	3 26	15 20	1 31	3 59	0 44	23 4	0 21	11 41	2 22	23 39	0 14	21 42	0 47	12 41	16 42	7 45	7 15	8 48	8 6	2 9	
T 28	18 49	18 26	4 21	19 2	3 12	14 56	1 31	3 44	0 43	23 4	0 21	11 42	2 22	23 39	0 14	21 42	0 47	12 42	16 42	7 47	7 17	8 46	8 6	2 9	
F 29	18 34	17 26	3 39	19 13	2 57	14 31	1 31	3 29	0 42	23 4	0 21	11 43	2 22	23 39	0 14	21 42	0 47	12 42	16 43	7 49	7 18	8 45	8 6	2 9	
S 30	18 20	15 40	2 47	19 24	2 42	14 6	1 31	3 14	0 42	23 4	0 21	11 43	2 22	23 39	0 14	21 41	0 47	12 43	16 43	7 51	7 19	8 43	8 5	2 9	
S 31	18n 5	13s14	1n49	19n34	2s27	13n41	1n31	2n58	0n41	23n 4	0s21	11s44	2n21	23s39	0s14	21n41	0s47	12s43	16s43	7n52	7n20	8s41	8n 5	2n 9	

ASTRODIENST EPHEMERIS for the year 2072

geocentric

AUGUST 2072

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	20 41 51	9♂3747	1♂23	20♂25	28♂57	24♂42	0♂23	7♂25	28♂42	16♂5	6♂36	9♂50	11♂13	6♂44	15♂29	M 1
T 2	20 45 48	10°35'10	13°11	21°15	0♂10	25°19	0°35	7°27	28♂40	16°7	6♂35	9♂50	11°10	6°50	15♂29	T 2
W 3	20 49 44	11°32'34	24°58	22°11	1°24	25°57	0°47	7°29	28°39	16°9	6°35	9♂51	11°6	6°57	15°28	W 3
T 4	20 53 41	12°29'59	6♂48	23°12	2°37	26°34	0°59	7°32	28°37	16°11	6°34	9°52	11°3	7°4	15°27	T 4
F 5	20 57 37	13°27'25	18°45	24°19	3°51	27°11	1°11	7°34	28°36	16°13	6°33	9°54	11°0	7°10	15°26	F 5
S 6	21 1 34	14°24'53	0♂54	25°32	5°4	27°48	1°22	7°37	28°34	16°15	6°33	9°55	10°57	7°17	15°25	S 6
S 7	21 5 31	15°22'21	13°18	26°49	6°18	28°26	1°34	7°39	28°33	16°17	6°32	9°56	10°54	7°24	15°24	S 7
M 8	21 9 27	16°19'51	26°3	28°13	7°31	29°3	1°46	7°42	28°31	16°19	6°32	9°56	10°51	7°30	15°23	M 8
T 9	21 13 24	17°17'23	9♂13	29°41	8°44	29°40	1°58	7°45	28°30	16°21	6°31	9°54	10°47	7°37	15°22	T 9
W10	21 17 20	18°14'55	22°49	1♂13	9°58	0♂18	2°9	7°48	28°29	16°23	6°30	9°52	10°44	7°43	15°21	W10
T 11	21 21 17	19°12'29	6♂53	2°50	11°11	0°56	2°21	7°51	28°27	16°25	6°29	9°50	10°41	7°50	15°20	T 11
F 12	21 25 13	20°10'05	21°22	4°31	12°24	1°33	2°32	7°54	28°26	16°27	6°29	9°47	10°38	7°57	15°18	F 12
S 13	21 29 10	21°7'41	6♂13	6°16	13°38	2°11	2°43	7°57	28°25	16°29	6°28	9°45	10°35	8°3	15°17	S 13
S 14	21 33 6	22°5'19	21°17	8°4	14°51	2°49	2°54	8°0	28°24	16°31	6°27	9°43	10°32	8°10	15°16	S 14
M15	21 37 3	23°2'58	6♂26	9°55	16°5	3°27	3°6	8°4	28°23	16°33	6°26	9°43	10°28	8°17	15°14	M15
T 16	21 41 0	24°0'38	21°31	11°48	17°18	4°4	3°17	8°7	28°22	16°35	6°26	9°43	10°25	8°23	15°13	T 16
W17	21 44 56	24°58'20	6♂22	13°44	18°31	4°42	3°28	8°11	28°21	16°36	6°25	9°44	10°22	8°30	15°12	W17
T 18	21 48 53	25°56'02	20°55	15°41	19°44	5°20	3°38	8°14	28°20	16°38	6°24	9°45	10°19	8°37	15°10	T 18
F 19	21 52 49	26°53'45	5♂5	17°40	20°58	5°59	3°49	8°18	28°19	16°40	6°23	9°46	10°16	8°43	15°8	F 19
S 20	21 56 46	27°51'30	18°51	19°40	22°11	6°37	4°0	8°22	28°18	16°42	6°22	9°46	10°12	8°50	15°7	S 20
S 21	22 0 42	28°49'15	2♂13	21°40	23°24	7°15	4°10	8°26	28°17	16°44	6°21	9°46	10°9	8°57	15°5	S 21
M22	22 4 39	29°47'02	15°13	23°41	24°38	7°53	4°21	8°30	28°16	16°45	6°20	9°46	10°6	9°3	15°3	M22
T 23	22 8 35	0♂44'50	27°55	25°42	25°51	8°31	4°31	8°34	28°16	16°47	6°19	9°45	10°3	9°10	15°2	T 23
W24	22 12 32	1°42'39	10♂20	27°42	27°4	9°10	4°42	8°38	28°15	16°49	6°18	9°44	10°0	9°16	15°0	W24
T 25	22 16 29	2°40'29	22°32	29°42	28°17	9°48	4°52	8°42	28°14	16°51	6°18	9°43	9°57	9°23	14°58	T 25
F 26	22 20 25	3°38'20	4♂35	1♂42	29°30	10°27	5°2	8°46	28°14	16°52	6°17	9°42	9°53	9°30	14°56	F 26
S 27	22 24 22	4°36'13	16°30	3°41	0♂43	11°5	5°12	8°50	28°13	16°54	6°16	9°42	9°50	9°36	14°54	S 27
S 28	22 28 18	5°34'07	28°21	5°39	1°57	11°44	5°22	8°55	28°13	16°55	6°15	9°41	9°47	9°43	14°53	S 28
M29	22 32 15	6°32'03	10♂9	7°36	3°10	12°23	5°31	8°59	28°12	16°57	6°14	9°41	9°44	9°50	14°51	M29
T 30	22 36 11	7°30'00	21°56	9°32	4°23	13°1	5°41	9°4	28°12	16°59	6°13	9°41	9°41	9°56	14°49	T 30
W31	22 40 8	8♂27'59	3♂46	11♂26	5♂36	13♂40	5♂51	9♂8	28♂12	17♂0	6♂12	9♂42	9♂37	10♂3	14♂47	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	17n50	10s15	0n46	19n43	2s11	13n15	1n31	2n43	0n40	23n 4	0s21	11s45	2n21	23s39	0s14	21n41
T 2	17 34	6 53	0s18	19 51	1 56	12 49	1 30	2 28	0 40	23 4	0 21	11 46	2 21	23 39	0 14	21 41
W 3	17 19	3 16	1 22	19 57	1 40	12 23	1 30	2 12	0 39	23 4	0 21	11 47	2 21	23 39	0 14	21 40
T 4	17 3	0n30	2 23	20 3	1 25	11 56	1 30	1 57	0 38	23 4	0 21	11 48	2 20	23 39	0 14	21 40
F 5	16 46	4 17	3 18	20 6	1 9	11 29	1 29	1 42	0 37	23 4	0 21	11 49	2 20	23 39	0 14	21 40
S 6	16 30	7 57	4 5	20 8	0 54	11 2	1 29	1 26	0 37	23 4	0 21	11 50	2 20	23 39	0 14	21 40
S 7	16 13	11 20	4 42	20 8	0 39	10 34	1 28	1 11	0 36	23 4	0 21	11 51	2 20	23 39	0 14	21 39
M 8	15 56	14 17	5 6	20 6	0 25	10 6	1 28	0 55	0 35	23 4	0 21	11 52	2 19	23 39	0 14	21 39
T 9	15 39	16 37	5 16	20 2	0 11	9 38	1 27	0 40	0 35	23 4	0 21	11 54	2 19	23 39	0 14	21 39
W10	15 21	18 7	5 8	19 55	0n 2	9 10	1 26	0 24	0 34	23 4	0 21	11 55	2 19	23 39	0 14	21 39
T 11	15 3	18 34	4 41	19 45	0 15	8 41	1 25	0 8	0 33	23 4	0 21	11 56	2 19	23 39	0 14	21 38
F 12	14 45	17 50	3 56	19 33	0 27	8 12	1 24	0s 7	0 33	23 4	0 20	11 57	2 18	23 39	0 14	21 38
S 13	14 27	15 53	2 55	19 19	0 38	7 43	1 23	0 23	0 32	23 4	0 20	11 58	2 18	23 39	0 14	21 38
S 14	14 8	12 49	1 40	19 1	0 48	7 14	1 22	0 38	0 31	23 3	0 20	12 0	2 18	23 39	0 14	21 38
M15	13 50	8 52	0 18	18 41	0 58	6 44	1 21	0 54	0 31	23 3	0 20	12 1	2 18	23 39	0 14	21 37
T 16	13 31	4 22	1n 5	18 18	1 7	6 15	1 20	1 10	0 30	23 3	0 20	12 2	2 17	23 39	0 14	21 37
W17	13 11	0s21	2 23	17 53	1 15	5 45	1 19	1 25	0 29	23 3	0 20	12 4	2 17	23 39	0 14	21 37
T 18	12 52	4 56	3 29	17 25	1 21	5 15	1 17	1 41	0 29	23 3	0 20	12 5	2 17	23 39	0 14	21 37
F 19	12 33	9 6	4 21	16 55	1 28	4 45	1 16	1 57	0 28	23 2	0 20	12 7	2 17	23 39	0 14	21 37
S 20	12 13	12 40	4 57	16 23	1 33	4 14	1 14	2 12	0 27	23 2	0 20	12 8	2 16	23 39	0 14	21 36
S 21	11 53	15 27	5 15	15 48	1 37	3 44	1 13	2 28	0 26	23 2	0 20	12 9	2 16	23 39	0 14	21 36
M22	11 33	17 22	5 16	15 12	1 40	3 13	1 11	2 44	0 26	23 1	0 20	12 11	2 16	23 39	0 14	21 36
T 23	11 12	18 23	5 2	14 34	1 43	2 43	1 10	3 0	0 25	23 1	0 20	12 12	2 16	23 39	0 14	21 36
W24	10 52	18 29	4 33	13 54	1 45	2 12	1 8	3 15	0 24	23 1	0 20	12 14	2 15	23 39	0 14	21 35
T 25	10 31	17 43	3 53	13 13	1 46	1 41	1 6	3 31	0 24	23 1	0 20	12 15	2 15	23 39	0 14	21 35
F 26	10 10	16 9	3 3	12 31	1 46	1 11	1 4	3 47	0 23	23 0	0 20	12 17	2 15	23 39	0 14	21 35
S 27	9 49	13 53	2 5	11 48	1 46	0 40	1 2	4 2	0 22	23 0	0 20	12 19	2 15	23 39	0 14	21 35
S 28	9 28	11 4	1 3	11 3	1 45	0 9	1 0	4 18	0 22	23 0	0 20	12 20	2 15	23 38	0 14	21 35
M29	9 7	7 48	0s 3	10 19	1 43	0s22	0 58	4 34	0 21	22 59	0 20	12 22	2 14	23 38	0 14	21 34
T 30	8 45	4 14	1 8	9 33	1 41	0 53	0 56	4 50	0 20	22 59	0 19	12 23	2 14	23 38	0 14	21 34
W31	8n23	0s29	2s10	8n47	1n38	1s24	0n54	5s 5	0n20	22n59	0s19	12s25	2n14	23s38	0s14	21n34

Julian Day Number = 2478055.5, Delta T = 81.93 sec
 Ecliptic obliquity = 23°25'39", Nutation = - 0°00'04", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 25°45'16", Lahiri = 24°52'16"

ASTRODIENST EPHEMERIS for the year 2072
geocentric

SEPTEMBER 2072

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 44 4	9 ^h 26'00	15 ^h 41	13 ^h 20	6 ^h 49	14 ^h 19	6 ^h 0	9 ^h 13	28 ^h R11	17 ^h 52	6 ^h R11	9 ^h R42	9 ^h 34	10 ^h 10	14 ^h R44	T 1
F 2	22 48 1	10°24'02	27°43	15°13	8° 2	14°58	6° 9	9°18	28 ^h 11	17° 3	6 ^h 9	9 ^h 42	9°31	10°16	14 ^h 42	F 2
S 3	22 51 58	11°22'07	9 ^h 55	17° 4	9°15	15°37	6°18	9°23	28°11	17° 5	6° 8	9°41	9°28	10°23	14°40	S 3
S 4	22 55 54	12°20'13	22°22	18°54	10°28	16°16	6°27	9°27	28°11	17° 6	6° 7	9°41	9°25	10°30	14°38	S 4
M 5	22 59 51	13°18'21	5 ^h 11	20°43	11°41	16°55	6°36	9°32	28°11	17° 8	6° 6	9°41	9°22	10°36	14°36	M 5
T 6	23 3 347	14°16'31	18°11	22°31	12°54	17°34	6°45	9°37	28°D11	17° 9	6° 5	9°D41	9°18	10°43	14°34	T 6
W 7	23 7 44	15°14'43	1 ^h 39	24°18	14° 7	18°13	6°54	9°42	28°11	17°10	6° 4	9°41	9°15	10°49	14°31	W 7
T 8	23 11 40	16°12'58	15°33	26° 3	15°20	18°53	7° 3	9°48	28°11	17°12	6° 3	9°42	9°12	10°56	14°29	T 8
F 9	23 15 37	17°11'14	29°52	27°47	16°33	19°32	7°11	9°53	28°11	17°13	6° 2	9°42	9° 9	11° 3	14°27	F 9
S 10	23 19 33	18° 9'32	14 ^h 23	29°30	17°46	20°11	7°19	9°58	28°11	17°14	6° 1	9°43	9° 6	11° 9	14°24	S 10
S 11	23 23 30	19° 7'53	29°32	1 ^h 12	18°58	20°51	7°28	10° 3	28°12	17°16	6° 0	9°43	9° 3	11°16	14°22	S 11
M12	23 27 27	20° 6'15	14 ^h 42	2°53	20°11	21°30	7°36	10° 9	28°12	17°17	5°59	9°R44	8°59	11°23	14°20	M12
T 13	23 31 23	21° 4'39	29°52	4°32	21°24	22°10	7°44	10°14	28°12	17°18	5°57	9°43	8°56	11°29	14°17	T 13
W14	23 35 20	22° 3'04	14 ^h 54	6°11	22°37	22°50	7°51	10°20	28°13	17°19	5°56	9°42	8°53	11°36	14°15	W14
T 15	23 39 16	23° 1'32	29°40	7°48	23°50	23°29	7°59	10°25	28°13	17°20	5°55	9°40	8°50	11°43	14°12	T 15
F 16	23 43 13	24° 0'01	14 ^h 11	9°25	25° 2	24° 9	8° 6	10°31	28°13	17°21	5°54	9°39	8°47	11°49	14°10	F 16
S 17	23 47 9	24°58'32	27°58	11° 0	26°15	24°49	8°14	10°37	28°14	17°22	5°53	9°37	8°43	11°56	14° 7	S 17
S 18	23 51 6	25°57'04	11 ^h 26	12°34	27°28	25°29	8°21	10°42	28°15	17°24	5°52	9°36	8°40	12° 3	14° 5	S 18
M19	23 55 2	26°55'38	24°28	14° 8	28°41	26° 9	8°28	10°48	28°15	17°25	5°50	9°D35	8°37	12° 9	14° 2	M19
T 20	23 58 59	27°54'14	7 ^h 38	15°40	29°53	26°49	8°35	10°54	28°16	17°26	5°49	9°36	8°34	12°16	14° 0	T 20
W21	0 2 55	28°52'51	19°28	17°11	1 ^h 11	6	8°42	11° 0	28°17	17°27	5°48	9°37	8°31	12°23	13°57	W21
T 22	0 6 52	29°51'30	1 ^h 34	18°41	2°19	28° 9	8°48	11° 6	28°17	17°27	5°47	9°38	8°28	12°29	13°54	T 22
F 23	0 10 49	0 ^h 50'11	13°30	20°10	3°31	28°49	8°55	11°12	28°18	17°28	5°46	9°40	8°24	12°36	13°52	F 23
S 24	0 14 45	1°48'54	25°20	21°38	4°44	29°29	9° 1	11°18	28°19	17°29	5°45	9°41	8°21	12°42	13°49	S 24
S 25	0 18 42	2°47'38	7 ^h 11	23° 5	5°56	0 ^h 11	9° 7	11°24	28°20	17°30	5°43	9°R42	8°18	12°49	13°47	S 25
M26	0 22 38	3°46'24	18°55	24°31	7° 9	0°50	9°13	11°30	28°21	17°31	5°42	9°41	8°15	12°56	13°44	M26
T 27	0 26 35	4°45'12	0 ^h 46	25°56	8°21	1°30	9°19	11°36	28°22	17°32	5°41	9°40	8°12	13° 2	13°41	T 27
W28	0 30 31	5°44'02	12°43	27°20	9°34	2°11	9°25	11°43	28°23	17°32	5°40	9°37	8° 8	13° 9	13°39	W28
T 29	0 34 28	6°42'54	24°47	28°43	10°46	2°51	9°30	11°49	28°25	17°33	5°39	9°33	8° 5	13°16	13°36	T 29
F 30	0 38 24	7°41'48	7 ^h 0	0 ^h 11	11 ^h 58	3 ^h 13	9°36	11 ^h 55	28 ^h 26	17°34	5°37	9 ^h 28	8 ^h 2	13 ^h 22	13 ^h 33	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	decl	lat
T 1	8n 2	3n17	3s 7	8n 0	1n35	1s55	0n52	5s21	0n19	22n58	0s19	12s27	2n14	23s38	0s14	21n34	0s47	13s 1	16s51	7n56	7n59	7s48	7n48	2n10			
F 2	7 40	6 58	3 57	7 13	1 31	2 26	0 49	5 37	0 18	22 58	0 19	12 28	2 14	23 38	0 14	21 34	0 47	13 1	16 52	7 56	8 0	7 47	7 47	2 10			
S 3	7 18	10 25	4 36	6 26	1 27	2 56	0 47	5 52	0 18	22 57	0 19	12 30	2 13	23 38	0 14	21 33	0 47	13 2	16 52	7 56	8 1	7 45	7 47	2 10			
S 4	6 56	13 27	5 4	5 39	1 23	3 27	0 45	6 8	0 17	22 57	0 19	12 32	2 13	23 38	0 14	21 33	0 47	13 2	16 52	7 56	8 2	7 43	7 46	2 10			
M 5	6 33	15 56	5 17	4 52	1 18	3 58	0 42	6 23	0 16	22 57	0 19	12 34	2 13	23 38	0 14	21 33	0 47	13 3	16 52	7 56	8 3	7 41	7 45	2 10			
T 6	6 11	17 41	5 14	4 5	1 13	4 29	0 40	6 39	0 16	22 56	0 19	12 35	2 13	23 38	0 14	21 33	0 47	13 4	16 52	7 56	8 5	7 40	7 44	2 10			
W 7	5 49	18 30	4 55	3 18	1 7	4 59	0 37	6 54	0 15	22 56	0 19	12 37	2 13	23 38	0 14	21 33	0 47	13 4	16 52	7 56	8 6	7 38	7 43	2 10			
T 8	5 26	18 15	4 18	2 30	1 1	5 30	0 35	7 10	0 14	22 55	0 19	12 39	2 12	23 38	0 14	21 32	0 47	13 5	16 53	7 56	8 7	7 36	7 42	2 10			
F 9	5 4	16 51	3 24	1 44	0 55	6 0	0 32	7 26	0 14	22 55	0 19	12 41	2 12	23 38	0 14	21 32	0 47	13 5	16 53	7 56	8 8	7 35	7 41	2 10			
S 10	4 41	14 18	2 15	0 57	0 49	6 31	0 29	7 41	0 13	22 55	0 19	12 43	2 12	23 38	0 14	21 32	0 47	13 6	16 53	7 55	8 9	7 33	7 40	2 10			
S 11	4 18	10 45	0 56	0 10	0 43	7 1	0 27	7 56	0 13	22 54	0 19	12 44	2 12	23 38	0 14	21 32	0 47	13 6	16 53	7 55	8 11	7 31	7 39	2 10			
M12	3 55	6 27	0n28	0s36	0 36	7 31	0 24	8 12	0 12	22 54	0 19	12 46	2 12	23 38	0 14	21 32	0 47	13 7	16 53	7 55	8 12	7 30	7 39	2 10			
T 13	3 32	1 44	1 50	1 21	0 29	8 1	0 21	8 27	0 11	22 54	0 19	12 48	2 11	23 38	0 14	21 32	0 47	13 7	16 53	7 55	8 13	7 28	7 38	2 10			
W14	3 9	3s 3	3 3	2 7	0 22	8 31	0 18	8 43	0 11	22 53	0 19	12 50	2 11	23 38	0 14	21 31	0 47	13 8	16 53	7 56	8 14	7 26	7 37	2 10			
T 15	2 46	7 33	4 3	2 52	0 15	9 0	0 15	8 58	0 10	22 53	0 19	12 52	2 11	23 38	0 14	21 31	0 47	13 8	16 53	7 56	8 15	7 24	7 36	2 10			
F 16	2 23	11 29	4 46	3 36	0 8	9 30	0 13	9 13	0 9	22 52	0 18	12 54	2 11	23 38	0 14	21 31	0 47	13 9	16 54	7 57	8 17	7 23	7 35	2 10			
S 17	2 0	14 39	5 10	4 21	0 1	9 59	0 10	9 28	0 9	22 52	0 18	12 56	2 11	23 38	0 14	21 31	0 47	13 10	16 54	7 58	8 18	7 21	7 34	2 10			
S 18	1 37	16 55	5 17	5 4	0s 7	10 28	0 7	9 43	0 8	22 52	0 18	12 58	2 11	23 38	0 14	21 31	0 47	13 10	16 54	7 58	8 19	7 19	7 33	2 10			
M19	1 13	18 13	5 6	5 47	0 14	10 57	0 4	9 59	0 7	22 51	0 18	13 0	2 10	23 38	0 14	21 31	0 47	13 11	16 54	7 58	8 20	7 18	7 32	2 10			
T 20	0 50	18 34	4 41	6 30	0 22	11 25	0 1	10 14	0 7	22 51	0 18	13 2	2 10	23 38	0 14	21 30	0 47	13 11	16 54	7 58	8 21	7 16	7 31	2 10			
W21	0 27	18 0	4 3	7 12	0 29	11 53	0s 2	10 29	0 6	22 50	0 18	13 4	2 10	23 38	0 14	21 30	0 47	13 12	16 54	7 58	8 22	7 14	7 29	2 10			
T 22	0 3	16 37	3 16	7 53	0 37	12 21	0 6	10 44	0 5	22 50	0 18	13 6	2 10	23 38	0 14	21 30	0 48	13 12	16 54	7 57	8 24	7 12	7 28	2 10			
F 23	0s20	14 32	2 20	8 34	0 44	12 49	0 9	10 58	0 5	22 50	0 18	13 8	2 10	23 39	0 13	21 30	0 48	13 13	16 54	7 57	8 25	7 11	7 27	2 10			
S 24	0 43	11 50	1 19	9 14	0 52	13 17	0 12	11 13	0 4	22 49	0 18	13 10	2 10	23 39	0 13	21 30	0 48	13 13	16 54	7 56	8 26	7 9	7 26	2 10			
S 25	1 7	8 40	0 14	9 54	1 0	13 44	0 15	11 28	0 4	22 49	0 18	13 12	2 9	23 39	0 13	21 30	0 48	13 14	16 54	7 56	8 27	7 7	7 25	2 9			
M26	1 30	5 10	0s51	10 32	1 7	14 11	0 18	11 43	0 3	22 49	0 18	13 14	2 9	23 39	0 13	21 30	0 48	13 14	16 54	7 56	8 28	7 5	7 24	2 9			
T 27	1 53	1 26	1 54	11 10	1 15	14 37	0 21	11 57	0 2	22 48	0 18	13 16	2 9	23 39	0 13	21 30	0 48	13 15	16 54	7 57	8 30	7 4	7 23	2 9			
W28	2 17	2n23	2 52	11 48	1 22	15 3	0 24	12 12	0 2	22 48	0 18	13 18	2 9	23 39	0 13	21 29	0 48	13 15	16 54	7 58	8 31	7 2	7 22	2 9			
T 29	2 40	6 8	3 43	12 24	1 30	15 29	0 28	12 26	0 1	22 48	0 18	13 20	2 9	23 39	0 13	21 29	0 48	13 16	16 54	7 59	8 32	7 0	7 21	2 9			
F 30	3s 3	9n41	4s24	13s 0	1s37	15s55	0s31	12s41	0n 0	22n47	0s18	13s22	2n 9	23s39	0s13	21n29	0s48	13s16	16s54	8n 1	8n33	6s59	7n20	2n 9			

ASTRODIENST EPHEMERIS for the year 2072
geocentric

OCTOBER 2072

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 42 21	8♂40'44	19♂24	1♂25	13♂11	4♂13	9♂41	12♂2	28♂27	17♂35	5°R36	9°R23	7♂59	13♂29	13°R30	S 1
S 2	0 46 18	9°39'43	1♂59	2°44	14°23	4°53	9°46	12°8	28°28	17°35	5°R35	9♂19	7°56	13°36	13°R28	S 2
M 3	0 50 14	10°38'44	14°49	4°2	15°35	5°34	9°51	12°15	28°30	17°36	5°34	9°15	7°53	13°42	13°25	M 3
T 4	0 54 11	11°37'47	27°55	5°18	16°47	6°15	9°55	12°21	28°31	17°36	5°33	9°13	7°49	13°49	13°22	T 4
W 5	0 58 7	12°36'52	11♂19	6°33	18°0	6°56	10°0	12°28	28°32	17°37	5°32	9°D12	7°46	13°56	13°20	W 5
T 6	1 2 4	13°36'00	25°2	7°47	19°12	7°37	10°4	12°34	28°34	17°37	5°30	9°12	7°43	14°2	13°17	T 6
F 7	1 6 0	14°35'10	9♂6	8°59	20°24	8°18	10°8	12°41	28°35	17°38	5°29	9°14	7°40	14°9	13°14	F 7
S 8	1 9 57	15°34'23	23°30	10°9	21°36	8°59	10°12	12°47	28°37	17°38	5°28	9°15	7°37	14°15	13°11	S 8
S 9	1 13 53	16°33'37	8♂11	11°17	22°48	9°40	10°16	12°54	28°39	17°39	5°27	9°R16	7°34	14°22	13°9	S 9
M10	1 17 50	17°32'54	23°5	12°24	24°0	10°21	10°20	13°1	28°40	17°39	5°26	9°15	7°30	14°29	13°6	M10
T 11	1 21 46	18°32'13	8♂5	13°28	25°12	11°2	10°23	13°8	28°42	17°39	5°25	9°13	7°27	14°35	13°3	T 11
W12	1 25 43	19°31'35	23°3	14°30	26°24	11°44	10°26	13°14	28°44	17°40	5°23	9°8	7°24	14°42	13°1	W12
T 13	1 29 40	20°30'58	7♂149	15°29	27°36	12°25	10°29	13°21	28°46	17°40	5°22	9°2	7°21	14°49	12°58	T 13
F 14	1 33 36	21°30'23	22°15	16°26	28°48	13°7	10°32	13°28	28°48	17°40	5°21	8°55	7°18	14°55	12°55	F 14
S 15	1 37 33	22°29'50	6♂17	17°19	0♂0	13°48	10°35	13°35	28°49	17°40	5°20	8°49	7°14	15°2	12°53	S 15
S 16	1 41 29	23°29'19	19°52	18°9	1°12	14°30	10°37	13°42	28°51	17°40	5°19	8°43	7°11	15°9	12°50	S 16
M17	1 45 26	24°28'50	2♂59	18°56	2°24	15°11	10°40	13°49	28°53	17°41	5°18	8°39	7°8	15°15	12°47	M17
T 18	1 49 22	25°28'22	15°42	19°38	3°36	15°53	10°42	13°56	28°55	17°41	5°17	8°36	7°5	15°22	12°45	T 18
W19	1 53 19	26°27'56	28°3	20°16	4°47	16°35	10°44	14°3	28°58	17°41	5°16	8°D36	7°2	15°29	12°42	W19
T 20	1 57 15	27°27'32	10♂8	20°49	5°59	17°16	10°45	14°10	29°0	17°R41	5°14	8°37	6°59	15°35	12°39	T 20
F 21	2 1 12	28°27'10	22°1	21°16	7°11	17°58	10°47	14°17	29°2	17°41	5°13	8°38	6°55	15°42	12°37	F 21
S 22	2 5 9	29°26'49	3♂49	21°37	8°22	18°40	10°48	14°24	29°4	17°41	5°12	8°R39	6°52	15°48	12°34	S 22
S 23	2 9 5	0♂26'31	15°36	21°52	9°34	19°22	10°49	14°31	29°6	17°41	5°11	8°39	6°49	15°55	12°32	S 23
M24	2 13 2	1°26'13	27°27	22°0	10°45	20°4	10°50	14°38	29°9	17°40	5°10	8°37	6°46	16°2	12°29	M24
T 25	2 16 58	2°25'58	9°R24	22°R0	11°57	20°46	10°51	14°45	29°11	17°40	5°9	8°32	6°43	16°8	12°27	T 25
W26	2 20 55	3°25'45	21°30	21°52	13°8	21°29	10°52	14°52	29°13	17°40	5°8	8°26	6°40	16°15	12°24	W26
T 27	2 24 51	4°25'33	3♂47	21°35	14°20	22°11	10°52	14°59	29°16	17°40	5°7	8°17	6°36	16°22	12°22	T 27
F 28	2 28 48	5°25'24	16°16	21°10	15°31	22°53	10°R52	15°6	29°18	17°40	5°6	8°6	6°33	16°28	12°19	F 28
S 29	2 32 44	6°25'16	28°57	20°35	16°42	23°35	10°52	15°13	29°21	17°39	5°5	7°55	6°30	16°35	12°17	S 29
S 30	2 36 41	7°25'11	11♂55	19°50	17°53	24°18	10°52	15°20	29°23	17°39	5°4	7°45	6°27	16°42	12°14	S 30
M31	2 40 38	8♂25'08	24♂55	18♂57	19♂4	25♂0	10♂51	15♂27	29♂26	17♂39	5°R3	7♂36	6♂24	16♂48	12°R12	M31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	3s26	12n51	4s54	13s35	1s44	16s20	0s34	12s55	0s0	22n47	0s18	13s24	2n9	23s39	0s13	21n29	0s48	13s16	16s54	8n3	8n34	6s57	7n19	2n9	
S 2	3 50	15 29	5 10	14 9	1 51	16 44	0 37	13 10	0 1	22 47	0 18	13 26	2 8	23 39	0 13	21 29	0 48	13 17	16 54	8 4	8 36	6 55	7 18	2 9	
M 3	4 13	17 24	5 11	14 42	1 58	17 9	0 41	13 24	0 2	22 46	0 18	13 28	2 8	23 39	0 13	21 29	0 48	13 17	16 54	8 6	8 37	6 53	7 16	2 9	
T 4	4 36	18 28	4 56	15 15	2 5	17 33	0 44	13 38	0 2	22 46	0 17	13 30	2 8	23 39	0 13	21 29	0 48	13 18	16 54	8 7	8 38	6 52	7 15	2 9	
W 5	4 59	18 32	4 25	15 46	2 12	17 56	0 47	13 52	0 3	22 46	0 17	13 32	2 8	23 39	0 13	21 29	0 48	13 18	16 54	8 7	8 39	6 50	7 14	2 9	
T 6	5 22	17 32	3 38	16 16	2 18	18 19	0 50	14 6	0 3	22 45	0 17	13 34	2 8	23 39	0 13	21 29	0 48	13 19	16 54	8 7	8 40	6 48	7 13	2 9	
F 7	5 45	15 26	2 37	16 46	2 24	18 42	0 53	14 20	0 4	22 45	0 17	13 36	2 8	23 39	0 13	21 29	0 48	13 19	16 54	8 6	8 41	6 46	7 12	2 9	
S 8	6 8	12 20	1 25	17 14	2 30	19 4	0 57	14 33	0 5	22 45	0 17	13 38	2 8	23 39	0 13	21 29	0 48	13 19	16 54	8 6	8 43	6 45	7 11	2 9	
S 9	6 30	8 24	0 6	17 41	2 36	19 26	1 0	14 47	0 5	22 45	0 17	13 41	2 8	23 39	0 13	21 29	0 48	13 20	16 54	8 6	8 44	6 43	7 10	2 9	
M10	6 53	3 53	1n15	18 7	2 41	19 47	1 3	15 1	0 6	22 45	0 17	13 43	2 7	23 39	0 13	21 28	0 48	13 20	16 54	8 6	8 45	6 41	7 9	2 9	
T 11	7 16	0s54	2 30	18 31	2 47	20 8	1 6	15 14	0 7	22 44	0 17	13 45	2 7	23 39	0 13	21 28	0 48	13 21	16 54	8 7	8 46	6 39	7 7	2 8	
W12	7 38	5 37	3 36	18 54	2 51	20 28	1 9	15 28	0 7	22 44	0 17	13 47	2 7	23 39	0 13	21 28	0 48	13 21	16 54	8 8	8 47	6 38	7 6	2 8	
T 13	8 1	9 55	4 25	19 16	2 56	20 48	1 13	15 41	0 8	22 44	0 17	13 49	2 7	23 39	0 13	21 28	0 48	13 21	16 53	8 11	8 49	6 36	7 5	2 8	
F 14	8 23	13 32	4 57	19 37	3 0	21 7	1 16	15 54	0 8	22 44	0 17	13 51	2 7	23 39	0 13	21 28	0 48	13 22	16 53	8 13	8 50	6 34	7 4	2 8	
S 15	8 45	16 16	5 9	19 55	3 3	21 25	1 19	16 7	0 9	22 44	0 17	13 53	2 7	23 39	0 13	21 28	0 48	13 22	16 53	8 16	8 51	6 32	7 3	2 8	
S 16	9 7	18 0	5 4	20 12	3 6	21 44	1 22	16 20	0 10	22 44	0 17	13 55	2 7	23 39	0 13	21 28	0 48	13 22	16 53	8 18	8 52	6 31	7 2	2 8	
M17	9 29	18 41	4 42	20 28	3 8	22 1	1 25	16 33	0 10	22 43	0 17	13 58	2 7	23 39	0 13	21 28	0 48	13 23	16 53	8 19	8 53	6 29	7 1	2 8	
T 18	9 51	18 25	4 7	20 41	3 10	22 18	1 28	16 45	0 11	22 43	0 17	14 0	2 7	23 39	0 13	21 28	0 48	13 23	16 53	8 20	8 54	6 27	7 0	2 8	
W19	10 12	17 15	3 22	20 52	3 11	22 34	1 31	16 58	0 11	22 43	0 16	14 2	2 7	23 39	0 13	21 28	0 48	13 23	16 53	8 21	8 56	6 25	6 58	2 8	
T 20	10 34	15 19	2 28	21 1	3 11	22 50	1 34	17 10	0 12	22 43	0 16	14 4	2 7	23 39	0 13	21 28	0 48	13 24	16 53	8 20	8 57	6 24	6 57	2 8	
F 21	10 55	12 46	1 29	21 8	3 11	23 5	1 37	17 23	0 13	22 43	0 16	14 6	2 6	23 39	0 13	21 28	0 48	13 24	16 53	8 20	8 58	6 22	6 56	2 7	
S 22	11 16	9 42	0 26	21 12	3 9	23 20	1 40	17 35	0 13	22 43	0 16	14 8	2 6	23 39	0 13	21 28	0 48	13 24	16 52	8 19	8 59	6 20	6 55	2 7	
S 23	11 37	6 15	0s37	21 13	3 6	23 34	1 42	17 47	0 14	22 43	0 16	14 10	2 6	23 39	0 13	21 28	0 48	13 24	16 52	8 19	9 0	6 18	6 54	2 7	
M24	11 58	2 32	1 40	21 11	3 2	23 47	1 45	17 59	0 14	22 43	0 16	14 12	2 6	23 39	0 13	21 28	0 48	13 25	16 52	8 20	9 1	6 16	6 53	2 7	
T 25	12 19	1n18	2 38	21 6	2 57	24 0	1 48	18 11	0 15	22 43	0 16	14 15	2 6	23 39	0 13	21 28	0 48	13 25	16 52	8 22	9 3	6 15	6 52	2 7	
W26	12 39	5 8	3 29	20 58	2 50	24 12	1 51	18 22	0 16	22 43	0 16	14 17	2 6	23 39	0 13	21 28	0 48	13 25	16 52	8 24	9 4	6 13	6 51	2 7	
T 27	12 59	8 49	4 12	20 45	2 42	24 23	1 53	18 34	0 16	22 43	0 16	14 19	2 6	23 39	0 13	21 28	0 48	13 26	16 52	8 28	9 5	6 11	6 50	2 7	
F 28	13 19	12 10	4 43	20 29	2 32	24 34	1 56	18 45	0 17	22 43	0 16	14 21	2 6	23 39	0 13	21 28	0 48	13 26	16 51	8 32	9 6	6 9	6 49	2 7	
S 29	13 39	15 1	5 1	20 8	2 20	24 44	1 58	18 57	0 17	22 43	0 16	14 23	2 6	23 39	0 13	21 28	0 48	13 26	16 51	8 36	9 7	6 8	6 48	2 7	
S 30	13 59	17 11	5 4	19 43	2 7	24 53	2 1	19 8	0 18	22 43	0 16	14 25	2 6	23 39	0 13	21 28	0 48	13 26	16 51	8 40	9 9	6 6	6 46	2 6	
M31	14s18	18n29	4s51	19s14	1s52	25s 2	2s 3	19s19	0s19	22n44	0s16	14s27	2n6	23s39	0s13	21n28	0s48	13s26	16s51	8n43	9n10	6s 4	6n45	2n 6	

ASTRODIENST EPHEMERIS for the year 2072

geocentric

NOVEMBER 2072

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 44 34	9♐25'06	8♏12	17°R56	20♏15	25♐43	10°R51	15♐35	29♏28	17°R38	5°R 2	7°R30	6♐20	16♏55	12°R10	T 1
W 2	2 48 31	10°25'07	21°41	16♐48	21°26	26°25	10♏50	15°42	29°31	17°38	5°Y 1	7♐26	6°17	17° 2	12°Y 7	W 2
T 3	2 52 27	11°25'10	5♏23	15°34	22°37	27° 8	10°49	15°49	29°34	17°37	5° 0	7°24	6°14	17° 8	12° 5	T 3
F 4	2 56 24	12°25'16	19°17	14°17	23°48	27°51	10°47	15°56	29°36	17°37	4°59	7°D24	6°11	17°15	12° 3	F 4
S 5	3 0 20	13°25'23	3♐25	12°58	24°59	28°33	10°46	16° 3	29°39	17°36	4°59	7°R25	6° 8	17°22	12° 0	S 5
S 6	3 4 17	14°25'32	17°45	11°41	26°10	29°16	10°44	16°10	29°42	17°36	4°58	7°24	6° 5	17°28	11°58	S 6
M 7	3 8 13	15°25'44	2♏16	10°27	27°20	29°59	10°42	16°18	29°45	17°35	4°57	7°22	6° 1	17°35	11°56	M 7
T 8	3 12 10	16°25'57	16°53	9°20	28°31	0♏42	10°40	16°25	29°48	17°35	4°56	7°17	5°58	17°41	11°54	T 8
W 9	3 16 7	17°26'13	1♐30	8°20	29°41	1°25	10°38	16°32	29°51	17°34	4°55	7° 9	5°55	17°48	11°52	W 9
T 10	3 20 3	18°26'30	16° 0	7°30	0♏52	2° 8	10°35	16°39	29°53	17°33	4°54	6°59	5°52	17°55	11°50	T 10
F 11	3 24 0	19°26'49	0♏17	6°52	2° 2	2°51	10°33	16°46	29°56	17°33	4°54	6°47	5°49	18° 1	11°48	F 11
S 12	3 27 56	20°27'10	14°15	6°24	3°12	3°34	10°30	16°54	29°59	17°32	4°53	6°36	5°45	18° 8	11°46	S 12
S 13	3 31 53	21°27'33	27°48	6° 8	4°23	4°17	10°27	17° 1	0♏ 2	17°31	4°52	6°25	5°42	18°15	11°44	S 13
M14	3 35 49	22°27'56	10♏57	6°D 4	5°33	5° 1	10°24	17° 8	0° 5	17°30	4°51	6°16	5°39	18°21	11°42	M14
T 15	3 39 46	23°28'22	23°41	6°11	6°43	5°44	10°20	17°15	0° 8	17°29	4°51	6°10	5°36	18°28	11°40	T 15
W16	3 43 42	24°28'49	6♏ 4	6°28	7°53	6°27	10°17	17°22	0°12	17°29	4°50	6° 7	5°33	18°35	11°38	W16
T 17	3 47 39	25°29'17	18°10	6°55	9° 3	7°11	10°13	17°29	0°15	17°28	4°49	6° 5	5°30	18°41	11°36	T 17
F 18	3 51 36	26°29'46	0♏ 5	7°31	10°12	7°54	10° 9	17°37	0°18	17°27	4°48	6° 5	5°26	18°48	11°35	F 18
S 19	3 55 32	27°30'16	11°53	8°14	11°22	8°38	10° 5	17°44	0°21	17°26	4°48	6° 5	5°23	18°55	11°33	S 19
S 20	3 59 29	28°30'48	23°41	9° 5	12°31	9°22	10° 0	17°51	0°24	17°25	4°47	6° 4	5°20	19° 1	11°31	S 20
M21	4 3 25	29°31'21	5°Y34	10° 1	13°41	10° 5	9°56	17°58	0°27	17°24	4°47	6° 1	5°17	19° 8	11°30	M21
T 22	4 7 22	0♏31'56	17°35	11° 3	14°50	10°49	9°51	18° 5	0°31	17°23	4°46	5°55	5°14	19°15	11°28	T 22
W23	4 11 18	1°32'31	29°49	12°10	15°59	11°33	9°46	18°12	0°34	17°22	4°45	5°47	5°11	19°21	11°27	W23
T 24	4 15 15	2°33'08	12♏19	13°20	17° 8	12°17	9°41	18°19	0°37	17°21	4°45	5°35	5° 7	19°28	11°25	T 24
F 25	4 19 11	3°33'46	25° 5	14°34	18°17	13° 0	9°36	18°26	0°41	17°20	4°44	5°22	5° 4	19°35	11°24	F 25
S 26	4 23 8	4°34'26	8♐ 6	15°51	19°26	13°44	9°30	18°33	0°44	17°19	4°44	5° 8	5° 1	19°41	11°22	S 26
S 27	4 27 5	5°35'07	21°23	17°10	20°34	14°28	9°25	18°40	0°47	17°17	4°43	4°55	4°58	19°48	11°21	S 27
M28	4 31 1	6°35'50	4♏52	18°31	21°43	15°12	9°19	18°47	0°51	17°16	4°43	4°44	4°55	19°54	11°20	M28
T 29	4 34 58	7°36'34	18°31	19°55	22°51	15°57	9°13	18°54	0°54	17°15	4°42	4°35	4°51	20° 1	11°18	T 29
W30	4 38 54	8♏37'19	2♏17	21♐20	23♏59	16♏41	9°58	19°11	0♏57	17°14	4°Y42	4♐30	4♐48	20♏ 8	11°Y17	W30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	14s37	18n49	4s22	18s41	1s35	25s10	2s 6	19s29	0s19	22n44	0s15	14s29	2n 6	23s39	0s13	21n28
W 2	14 56	18 5	3 39	18 4	1 17	25 17	2 8	19 40	0 20	22 44	0 15	14 31	2 6	23 39	0 13	21 28
T 3	15 15	16 18	2 42	17 25	0 57	25 23	2 10	19 50	0 20	22 44	0 15	14 34	2 6	23 39	0 13	21 28
F 4	15 33	13 31	1 35	16 42	0 37	25 29	2 12	20 1	0 21	22 44	0 15	14 36	2 6	23 39	0 13	21 28
S 5	15 52	9 55	0 21	15 59	0 17	25 34	2 14	20 11	0 22	22 44	0 15	14 38	2 6	23 39	0 13	21 28
S 6	16 10	5 41	0n55	15 16	0n 4	25 39	2 16	20 21	0 22	22 45	0 15	14 40	2 6	23 39	0 13	21 28
M 7	16 27	1 4	2 8	14 34	0 24	25 42	2 18	20 30	0 23	22 45	0 15	14 42	2 6	23 39	0 13	21 28
T 8	16 45	3s39	3 14	13 54	0 44	25 45	2 20	20 40	0 23	22 45	0 15	14 44	2 6	23 39	0 13	21 29
W 9	17 2	8 8	4 6	13 18	1 2	25 48	2 22	20 49	0 24	22 45	0 15	14 46	2 5	23 39	0 13	21 29
T 10	17 18	12 7	4 42	12 47	1 18	25 49	2 24	20 59	0 24	22 46	0 15	14 48	2 5	23 39	0 13	21 29
F 11	17 35	15 19	5 0	12 20	1 33	25 50	2 25	21 8	0 25	22 46	0 15	14 50	2 5	23 39	0 13	21 29
S 12	17 51	17 33	4 59	11 59	1 45	25 50	2 27	21 16	0 26	22 46	0 14	14 52	2 5	23 39	0 13	21 29
S 13	18 7	18 43	4 41	11 44	1 56	25 49	2 28	21 25	0 26	22 47	0 14	14 54	2 5	23 39	0 13	21 29
M14	18 23	18 50	4 9	11 34	2 5	25 48	2 30	21 34	0 27	22 47	0 14	14 56	2 5	23 39	0 13	21 29
T 15	18 38	17 59	3 25	11 30	2 12	25 46	2 31	21 42	0 27	22 47	0 14	14 58	2 5	23 39	0 13	21 29
W16	18 53	16 17	2 32	11 30	2 17	25 43	2 32	21 50	0 28	22 48	0 14	15 0	2 5	23 39	0 13	21 29
T 17	19 7	13 53	1 34	11 36	2 21	25 40	2 33	21 58	0 28	22 48	0 14	15 2	2 5	23 39	0 13	21 29
F 18	19 22	10 56	0 32	11 45	2 23	25 36	2 34	22 6	0 29	22 49	0 14	15 4	2 5	23 39	0 13	21 29
S 19	19 36	7 34	0s31	11 58	2 24	25 31	2 35	22 13	0 29	22 49	0 14	15 6	2 5	23 39	0 13	21 29
S 20	19 49	3 55	1 32	12 14	2 24	25 25	2 35	22 20	0 30	22 49	0 14	15 8	2 5	23 39	0 13	21 30
M21	20 2	0 5	2 29	12 34	2 22	25 19	2 36	22 27	0 31	22 50	0 14	15 10	2 5	23 39	0 13	21 30
T 22	20 15	3n48	3 21	12 55	2 20	25 12	2 37	22 34	0 31	22 50	0 14	15 12	2 5	23 39	0 13	21 30
W23	20 28	7 36	4 4	13 18	2 17	25 4	2 37	22 41	0 32	22 51	0 13	15 14	2 5	23 39	0 13	21 30
T 24	20 40	11 8	4 36	13 43	2 13	24 56	2 37	22 47	0 32	22 51	0 13	15 16	2 5	23 39	0 13	21 30
F 25	20 51	14 15	4 55	14 9	2 9	24 47	2 37	22 53	0 33	22 52	0 13	15 18	2 6	23 39	0 13	21 30
S 26	21 3	16 43	5 0	14 36	2 4	24 37	2 38	22 59	0 33	22 52	0 13	15 20	2 6	23 39	0 13	21 30
S 27	21 14	18 21	4 48	15 3	1 59	24 27	2 37	23 5	0 34	22 53	0 13	15 21	2 6	23 39	0 13	21 30
M28	21 24	19 0	4 20	15 31	1 53	24 16	2 37	23 11	0 34	22 53	0 13	15 23	2 6	23 39	0 13	21 31
T 29	21 34	18 34	3 37	16 0	1 47	24 4	2 37	23 16	0 35	22 54	0 13	15 25	2 6	23 39	0 13	21 31
W30	21s44	17n 1	2s41	16s28	1n40	23s52	2s37	23s21	0s35	22n54	0s13	15s27	2n 6	23s39	0s13	21n31

Julian Day Number = 2478147.5, Delta T = 82.02 sec

Ecliptic obliquity = 23°25'39, Nutation = - 0°00'09, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 25°45'28, Lahiri = 24°52'29

ASTRODIENST EPHEMERIS for the year 2072

geocentric

DECEMBER 2072

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	4 42 51	9♂38'06	16♂10	22♂46	25♂7	17♂25	9♂R 1	19♂8	1♂3	17♂R13	4♂R42	4♂R27	4♂45	20♂14	11♂R16	T 1
F 2	4 46 47	10♂38'54	0♂8	24♂13	26♂15	18♂9	8♂55	19♂15	1♂4	17♂511	4♂Y41	4♂26	4♂42	20♂21	11♂Y15	F 2
S 3	4 50 44	11♂39'44	14♂11	25♂41	27♂23	18♂54	8♂48	19♂22	1♂8	17♂10	4♂41	4♂26	4♂39	20♂28	11♂14	S 3
S 4	4 54 40	12♂40'35	28♂17	27♂10	28♂30	19♂38	8♂42	19♂29	1♂11	17♂9	4♂40	4♂25	4♂36	20♂34	11♂13	S 4
M 5	4 58 37	13♂41'27	12♂27	28♂39	29♂38	20♂22	8♂35	19♂35	1♂15	17♂7	4♂40	4♂23	4♂32	20♂41	11♂12	M 5
T 6	5 2 34	14♂42'21	26♂39	0♂10	0♂45	21♂7	8♂28	19♂42	1♂18	17♂6	4♂40	4♂18	4♂29	20♂48	11♂11	T 6
W 7	5 6 30	15♂43'17	10♂48	1♂40	1♂52	21♂51	8♂21	19♂49	1♂22	17♂5	4♂40	4♂9	4♂26	20♂54	11♂10	W 7
T 8	5 10 27	16♂44'13	24♂53	3♂11	2♂59	22♂36	8♂14	19♂56	1♂25	17♂3	4♂39	3♂59	4♂23	21♂1	11♂10	T 8
F 9	5 14 23	17♂45'11	8♂46	4♂42	4♂5	23♂21	8♂7	20♂2	1♂29	17♂2	4♂39	3♂46	4♂20	21♂8	11♂9	F 9
S 10	5 18 20	18♂46'09	22♂26	6♂14	5♂12	24♂5	8♂0	20♂9	1♂32	17♂0	4♂39	3♂34	4♂17	21♂14	11♂8	S 10
S 11	5 22 16	19♂47'09	5♂47	7♂46	6♂18	24♂50	7♂52	20♂15	1♂36	16♂59	4♂39	3♂22	4♂13	21♂21	11♂8	S 11
M12	5 26 13	20♂48'09	18♂48	9♂18	7♂24	25♂35	7♂45	20♂22	1♂39	16♂57	4♂39	3♂12	4♂10	21♂28	11♂7	M12
T 13	5 30 9	21♂49'10	1♂28	10♂50	8♂30	26♂20	7♂37	20♂29	1♂43	16♂56	4♂38	3♂5	4♂7	21♂34	11♂6	T 13
W14	5 34 6	22♂50'12	13♂50	12♂22	9♂35	27♂5	7♂30	20♂35	1♂47	16♂54	4♂38	3♂1	4♂4	21♂41	11♂6	W14
T 15	5 38 3	23♂51'14	25♂56	13♂55	10♂40	27♂50	7♂22	20♂41	1♂50	16♂53	4♂38	2♂59	4♂1	21♂48	11♂6	T 15
F 16	5 41 59	24♂52'17	7♂51	15♂27	11♂45	28♂35	7♂14	20♂48	1♂54	16♂51	4♂38	2♂D59	3♂57	21♂54	11♂5	F 16
S 17	5 45 56	25♂53'20	19♂40	17♂0	12♂50	29♂20	7♂7	20♂54	1♂57	16♂50	4♂38	3♂0	3♂54	22♂1	11♂5	S 17
S 18	5 49 52	26♂54'23	1♂Y28	18♂33	13♂54	0♂5	6♂59	21♂0	2♂1	16♂48	4♂D38	3♂R 0	3♂51	22♂7	11♂5	S 18
M19	5 53 49	27♂55'27	13♂21	20♂6	14♂58	0♂50	6♂51	21♂7	2♂5	16♂47	4♂38	2♂58	3♂48	22♂14	11♂5	M19
T 20	5 57 45	28♂56'31	25♂24	21♂39	16♂2	1♂35	6♂43	21♂13	2♂8	16♂45	4♂38	2♂55	3♂45	22♂21	11♂4	T 20
W21	6 1 42	29♂57'36	7♂42	23♂13	17♂6	2♂20	6♂35	21♂19	2♂12	16♂43	4♂38	2♂49	3♂42	22♂27	11♂4	W21
T 22	6 5 38	0♂58'41	20♂18	24♂46	18♂9	3♂6	6♂27	21♂25	2♂16	16♂42	4♂38	2♂40	3♂38	22♂34	11♂D 4	T 22
F 23	6 9 35	1♂59'46	3♂II15	26♂20	19♂12	3♂51	6♂18	21♂31	2♂19	16♂40	4♂38	2♂30	3♂35	22♂41	11♂4	F 23
S 24	6 13 32	3♂0'51	16♂32	27♂54	20♂14	4♂36	6♂10	21♂37	2♂23	16♂39	4♂39	2♂19	3♂32	22♂47	11♂5	S 24
S 25	6 17 28	4♂1'57	0♂10	29♂28	21♂16	5♂22	6♂2	21♂43	2♂26	16♂37	4♂39	2♂9	3♂29	22♂54	11♂5	S 25
M26	6 21 25	5♂3'03	14♂3	1♂3	22♂18	6♂7	5♂54	21♂49	2♂30	16♂35	4♂39	2♂0	3♂26	23♂1	11♂5	M26
T 27	6 25 21	6♂4'10	28♂10	2♂37	23♂19	6♂53	5♂46	21♂55	2♂34	16♂34	4♂39	1♂53	3♂23	23♂7	11♂5	T 27
W28	6 29 18	7♂5'17	12♂23	4♂12	24♂20	7♂38	5♂38	22♂1	2♂37	16♂32	4♂39	1♂49	3♂19	23♂14	11♂5	W28
T 29	6 33 14	8♂6'24	26♂40	5♂47	25♂21	8♂24	5♂30	22♂6	2♂41	16♂30	4♂40	1♂D47	3♂16	23♂21	11♂6	T 29
F 30	6 37 11	9♂7'32	10♂56	7♂23	26♂21	9♂9	5♂22	22♂12	2♂44	16♂29	4♂40	1♂47	3♂13	23♂27	11♂6	F 30
S 31	6 41 8	10♂8'40	25♂9	8♂58	27♂21	9♂55	5♂13	22♂18	2♂48	16♂27	4♂Y40	1♂48	3♂10	23♂34	11♂Y 7	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	21s53	14n28	1s35	16s57	1n34	23s39	2s36	23s26	0s36	22n55	0s13	15s29	2n 6	23s39	0s13	21n31	0s49
F 2	22 2 11 4	0 23	17 25	1 27	23 26	2 35	23 30	0 36	22 55	0 12	15 31	2 6	23 39	0 13	21 31	0 49	13 27
S 3	22 10 7 1	0n51	17 53	1 20	23 12	2 34	23 35	0 37	22 56	0 12	15 32	2 6	23 39	0 13	21 31	0 49	13 27
S 4	22 18 2 33	2 3	18 20	1 13	22 57	2 33	23 39	0 38	22 56	0 12	15 34	2 6	23 39	0 14	21 32	0 49	13 27
M 5	22 26 2s 3	3 7	18 47	1 6	22 42	2 32	23 43	0 38	22 57	0 12	15 36	2 6	23 39	0 14	21 32	0 49	13 26
T 6	22 33 6 33	3 59	19 13	0 58	22 26	2 31	23 46	0 39	22 58	0 12	15 38	2 6	23 39	0 14	21 32	0 49	13 26
W 7	22 40 10 40	4 37	19 39	0 51	22 10	2 30	23 50	0 39	22 58	0 12	15 40	2 6	23 39	0 14	21 32	0 49	13 26
T 8	22 46 14 10	4 57	20 4	0 44	21 53	2 28	23 53	0 40	22 59	0 12	15 41	2 6	23 39	0 14	21 32	0 49	13 26
F 9	22 52 16 49	5 0	20 28	0 36	21 36	2 27	23 56	0 40	22 59	0 12	15 43	2 6	23 39	0 14	21 32	0 49	13 26
S 10	22 57 18 28	4 45	20 52	0 29	21 18	2 25	23 58	0 41	23 0	0 11	15 45	2 6	23 39	0 14	21 33	0 49	13 25
S 11	23 2 19 3	4 15	21 14	0 22	21 0	2 23	24 1	0 41	23 0	0 11	15 46	2 6	23 39	0 14	21 33	0 49	13 25
M12	23 7 18 37	3 32	21 36	0 15	20 41	2 21	24 3	0 42	23 1	0 11	15 48	2 6	23 39	0 14	21 33	0 49	13 25
T 13	23 10 17 14	2 39	21 56	0 7	20 22	2 19	24 5	0 42	23 1	0 11	15 50	2 6	23 39	0 14	21 33	0 49	13 25
W14	23 14 15 4	1 40	22 16	0 0	20 2	2 16	24 6	0 43	23 2	0 11	15 51	2 6	23 38	0 14	21 33	0 49	13 24
T 15	23 17 12 17	0 37	22 34	0s 7	19 42	2 14	24 8	0 43	23 3	0 11	15 53	2 7	23 38	0 14	21 33	0 49	13 24
F 16	23 20 9 1	0s26	22 51	0 14	19 21	2 11	24 9	0 43	23 3	0 11	15 54	2 7	23 38	0 14	21 34	0 49	13 24
S 17	23 22 5 26	1 28	23 8	0 20	19 1	2 8	24 9	0 44	23 3	0 11	15 56	2 7	23 38	0 14	21 34	0 49	13 23
S 18	23 23 1 39	2 26	23 23	0 27	18 39	2 5	24 10	0 44	23 4	0 10	15 58	2 7	23 38	0 14	21 34	0 49	13 23
M19	23 25 2n14	3 18	23 37	0 34	18 17	2 2	24 10	0 45	23 5	0 10	15 59	2 7	23 38	0 14	21 34	0 49	13 23
T 20	23 25 6 4	4 2	23 50	0 40	17 55	1 59	24 10	0 45	23 5	0 10	16 1	2 7	23 38	0 14	21 34	0 49	13 22
W21	23 26 9 43	4 36	24 1	0 46	17 32	1 55	24 10	0 46	23 6	0 10	16 2	2 7	23 38	0 14	21 35	0 49	13 22
T 22	23 25 13 2	4 57	24 12	0 52	17 9	1 52	24 10	0 46	23 6	0 10	16 4	2 7	23 38	0 14	21 35	0 49	13 22
F 23	23 25 15 49	5 4	24 21	0 58	16 46	1 48	24 9	0 47	23 7	0 10	16 5	2 7	23 38	0 14	21 35	0 49	13 21
S 24	23 24 17 51	4 55	24 29	1 4	16 22	1 44	24 8	0 47	23 7	0 10	16 7	2 7	23 38	0 14	21 35	0 49	13 21
S 25	23 22 18 56	4 29	24 35	1 10	15 59	1 40	24 7	0 48	23 8	0 9	16 8	2 8	23 38	0 14	21 35	0 49	13 21
M26	23 20 18 55	3 47	24 40	1 15	15 35	1 35	24 5	0 48	23 8	0 9	16 9	2 8	23 38	0 14	21 36	0 49	13 20
T 27	23 17 17 44	2 50	24 44	1 20	15 10	1 31	24 3	0 49	23 9	0 9	16 11	2 8	23 38	0 14	21 36	0 49	13 20
W28	23 14 15 26	1 42	24 47	1 25	14 46	1 26	24 1	0 49	23 9	0 9	16 12	2 8	23 38	0 14	21 36	0 49	13 19
T 29	23 11 12 11	0 28	24 48	1 30	14 21	1 21	23 59	0 49	23 10	0 9	16 13	2 8	23 38	0 14	21 36	0 49	13 19
F 30	23 7 8 13	0n49	24 48	1 34	13 56	1 17	23 56	0 50	23 10	0 9	16 15	2 8	23 38	0 14	21 37	0 49	13 18
S 31	23s 2	3n48	2n 2	24s46	1s39	1s30	1s11	23s54	0s50	23n11	0s 9	16s16	2n 8	23s38	0s14	21n37	0s49

Julian Day Number = 2478177.5, Delta T = 82.05 sec
 Ecliptic obliquity = 23°25'38", Nutation = - 0°00'08", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 25°45'32", Lahiri = 24°52'33"