



Astrodienst Ephemeris Tables for the year 1972

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 1972

geocentric

JANUARY 1972

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	6 39 1	9°39'46	11°38	17°8	10°47	3°23	22°21	0°25	18°5	4°6	2°3	5°19	6°38	23°56	9°24	S 1
S 2	6 42 58	10°40'54	25°19	18° 8	12° 1	4° 2	22°34	0°22	18° 7	4° 8	2° 3	5°18	6°35	24° 2	9°25	S 2
M 3	6 46 55	11°42'03	8°39	19°11	13°15	4°40	22°48	0°19	18° 8	4°10	2° 3	5°D17	6°32	24° 9	9°26	M 3
T 4	6 50 51	12°43'11	21°37	20°17	14°29	5°19	23° 1	0°16	18° 9	4°12	2° 3	5°18	6°28	24°16	9°26	T 4
W 5	6 54 48	13°44'20	4°16	21°26	15°43	5°58	23°14	0°13	18°10	4°13	2°R 3	5°20	6°25	24°23	9°27	W 5
T 6	6 58 44	14°45'29	16°37	22°37	16°57	6°37	23°27	0°11	18°11	4°15	2° 3	5°21	6°22	24°29	9°28	T 6
F 7	7 2 41	15°46'38	28°43	23°50	18°11	7°16	23°40	0° 8	18°12	4°17	2° 3	5°23	6°19	24°36	9°29	F 7
S 8	7 6 37	16°47'47	10°41	25° 5	19°25	7°55	23°53	0° 5	18°13	4°19	2° 3	5°24	6°16	24°43	9°30	S 8
S 9	7 10 34	17°48'57	22°33	26°21	20°39	8°34	24° 6	0° 3	18°14	4°21	2° 3	5°R24	6°13	24°49	9°31	S 9
M10	7 14 30	18°50'06	4°16	27°39	21°52	9°13	24°19	0° 0	18°14	4°22	2° 3	5°23	6° 9	24°56	9°32	M10
T 11	7 18 27	19°51'15	16°23	28°59	23° 6	9°53	24°32	29°58	18°15	4°24	2° 2	5°22	6° 6	25° 3	9°33	T 11
W12	7 22 24	20°52'25	28°30	0°19	24°20	10°32	24°45	29°56	18°16	4°26	2° 2	5°20	6° 3	25°10	9°34	W12
T 13	7 26 20	21°53'34	10°49	1°41	25°33	11°11	24°58	29°54	18°16	4°28	2° 2	5°17	6° 0	25°16	9°35	T 13
F 14	7 30 17	22°54'44	23°23	3° 4	26°47	11°50	25°11	29°52	18°17	4°29	2° 2	5°15	5°57	25°23	9°36	F 14
S 15	7 34 13	23°55'53	6°14	4°27	28° 1	12°29	25°24	29°50	18°17	4°31	2° 1	5°14	5°54	25°30	9°38	S 15
S 16	7 38 10	24°57'01	19°22	5°52	29°14	13° 9	25°37	29°48	18°18	4°32	2° 1	5°13	5°50	25°36	9°39	S 16
M17	7 42 6	25°58'09	2°47	7°17	0°27	13°48	25°49	29°46	18°18	4°34	2° 1	5°D13	5°47	25°43	9°41	M17
T 18	7 46 3	26°59'17	16°27	8°43	1°41	14°28	26° 2	29°45	18°19	4°36	2° 0	5°13	5°44	25°50	9°42	T 18
W19	7 49 59	28° 0'24	0°19	10°10	2°54	15° 7	26°15	29°43	18°19	4°37	2° 0	5°13	5°41	25°57	9°43	W19
T 20	7 53 56	29° 1'30	14°20	11°38	4° 7	15°46	26°27	29°42	18°19	4°39	1°59	5°14	5°38	26° 3	9°45	T 20
F 21	7 57 53	0°23'35	28°28	13° 6	5°21	16°26	26°40	29°41	18°19	4°40	1°59	5°14	5°34	26°10	9°47	F 21
S 22	8 1 49	1° 3'40	12°40	14°35	6°34	17° 5	26°52	29°40	18°19	4°42	1°58	5°15	5°31	26°17	9°48	S 22
S 23	8 5 46	2° 4'43	26°52	16° 5	7°47	17°45	27° 5	29°39	18°R19	4°43	1°57	5°R15	5°28	26°24	9°50	S 23
M24	8 9 42	3° 5'45	11°3	17°35	9° 0	18°24	27°17	29°38	18°19	4°44	1°57	5°15	5°25	26°30	9°52	M24
T 25	8 13 39	4° 6'47	25°11	19° 6	10°13	19° 4	27°29	29°37	18°19	4°46	1°56	5°15	5°22	26°37	9°54	T 25
W26	8 17 35	5° 7'47	9°12	20°38	11°26	19°43	27°41	29°36	18°19	4°47	1°55	5°D15	5°19	26°44	9°55	W26
T 27	8 21 32	6° 8'46	23° 6	22°10	12°39	20°23	27°53	29°36	18°19	4°48	1°55	5°15	5°15	26°50	9°57	T 27
F 28	8 25 28	7° 9'45	6°50	23°43	13°51	21° 2	28° 5	29°35	18°19	4°50	1°54	5°15	5°12	26°57	9°59	F 28
S 29	8 29 25	8°10'42	20°21	25°16	15° 4	21°42	28°17	29°35	18°18	4°51	1°53	5°15	5° 9	27° 4	10° 1	S 29
S 30	8 33 22	9°11'38	3°40	26°51	16°17	22°21	28°29	29°35	18°18	4°52	1°52	5°R15	5° 6	27°11	10° 3	S 30
M31	8 37 18	10°12'33	16°43	28°25	17°29	23°1	28°41	29°D35	18°18	4°53	1°52	5°15	5° 3	27°17	10° 5	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	23s 6	25n 2	2n 6	20s51	1n59	19s15	1s48	1n12	0s10	22s50	0n24	18n14	2s 4	6s29	0n39	19s24	1n36	14n 5	16n16	18s57	18s37	13s57	5n34	2n 0	
S 2	23 1	21 58	0 55	21 5	1 51	18 55	1 47	1 29	0 8	22 50	0 24	18 13	2 3	6 30	0 39	19 24	1 36	14 5	16 16	18 57	18 38	14 0	5 34	1 59	
M 3	22 56	17 48	0s18	21 18	1 42	18 33	1 47	1 45	0 7	22 51	0 24	18 13	2 3	6 30	0 39	19 24	1 36	14 6	16 17	18 57	18 39	14 2	5 34	1 59	
T 4	22 50	12 54	1 29	21 32	1 33	18 12	1 47	2 2	0 5	22 52	0 24	18 13	2 3	6 31	0 40	19 24	1 36	14 6	16 17	18 57	18 40	14 5	5 34	1 59	
W 5	22 44	7 34	2 33	21 46	1 25	17 49	1 47	2 18	0 4	22 53	0 24	18 12	2 3	6 31	0 40	19 25	1 36	14 7	16 18	18 56	18 40	14 8	5 34	1 59	
T 6	22 38	2 5	3 28	21 59	1 16	17 27	1 46	2 35	0 3	22 53	0 24	18 12	2 2	6 31	0 40	19 25	1 37	14 7	16 18	18 56	18 41	14 10	5 34	1 59	
F 7	22 31	3s22	4 13	22 11	1 7	17 3	1 46	2 52	0 2	22 54	0 23	18 12	2 2	6 32	0 40	19 25	1 37	14 8	16 19	18 56	18 42	14 13	5 34	1 59	
S 8	22 23	8 37	4 47	22 23	0 58	16 40	1 45	3 8	0 0	22 55	0 23	18 11	2 2	6 32	0 40	19 26	1 37	14 8	16 20	18 55	18 43	14 16	5 35	1 58	
S 9	22 15	13 32	5 8	22 34	0 50	16 16	1 44	3 25	0n 1	22 55	0 23	18 11	2 2	6 32	0 40	19 26	1 37	14 9	16 20	18 55	18 43	14 18	5 35	1 58	
M10	22 7	17 57	5 16	22 44	0 41	15 51	1 44	3 41	0 2	22 56	0 23	18 11	2 1	6 32	0 40	19 26	1 37	14 9	16 21	18 56	18 44	14 21	5 35	1 58	
T 11	21 59	21 41	5 10	22 54	0 33	15 26	1 43	3 58	0 3	22 57	0 23	18 10	2 1	6 33	0 40	19 27	1 37	14 10	16 21	18 56	18 45	14 24	5 35	1 58	
W12	21 49	24 33	4 50	23 2	0 24	15 1	1 42	4 14	0 5	22 57	0 23	18 10	2 1	6 33	0 40	19 27	1 37	14 11	16 22	18 56	18 46	14 26	5 36	1 58	
T 13	21 40	26 19	4 17	23 10	0 16	14 35	1 41	4 31	0 6	22 58	0 23	18 10	2 1	6 33	0 40	19 27	1 37	14 11	16 22	18 57	18 47	14 29	5 36	1 58	
F 14	21 30	26 48	3 31	23 16	0 8	14 9	1 40	4 47	0 7	22 58	0 23	18 10	2 0	6 33	0 40	19 27	1 37	14 12	16 23	18 57	18 47	14 31	5 36	1 57	
S 15	21 19	25 51	2 34	23 22	0 0	13 42	1 38	5 4	0 8	22 59	0 23	18 10	2 0	6 34	0 40	19 28	1 37	14 12	16 23	18 58	18 48	14 34	5 37	1 57	
S 16	21 9	23 28	1 27	23 26	0s 8	13 16	1 37	5 20	0 9	22 59	0 23	18 10	2 0	6 34	0 40	19 28	1 37	14 13	16 24	18 58	18 49	14 37	5 37	1 57	
M17	20 57	19 46	0 13	23 30	0 15	12 48	1 36	5 36	0 10	23 0	0 23	18 10	2 0	6 34	0 40	19 28	1 37	14 14	16 25	18 58	18 50	14 39	5 37	1 57	
T 18	20 46	14 56	1n 2	23 32	0 23	12 21	1 34	5 53	0 12	23 0	0 23	18 9	1 59	6 34	0 40	19 28	1 37	14 14	16 25	18 58	18 51	14 42	5 38	1 57	
W19	20 34	9 16	2 15	23 33	0 30	11 53	1 33	6 9	0 13	23 1	0 23	18 9	1 59	6 34	0 40	19 29	1 37	14 15	16 26	18 58	18 51	14 45	5 38	1 57	
T 20	20 21	3 5	3 20	23 33	0 37	11 25	1 31	6 25	0 14	23 1	0 23	18 9	1 59	6 34	0 40	19 29	1 37	14 16	16 26	18 58	18 52	14 47	5 39	1 56	
F 21	20 9	3n17	4 14	23 31	0 44	10 56	1 29	6 41	0 15	23 2	0 23	18 9	1 59	6 34	0 40	19 29	1 37	14 16	16 27	18 58	18 53	14 50	5 39	1 56	
S 22	19 56	9 30	4 53	23 29	0 50	10 28	1 28	6 57	0 16	23 2	0 23	18 9	1 58	6 34	0 40	19 29	1 37	14 17	16 27	18 58	18 54	14 52	5 40	1 56	
S 23	19 42	15 14	5 14	23 25	0 57	9 59	1 26	7 14	0 17	23 2	0 22	18 9	1 58	6 34	0 40	19 30	1 37	14 18	16 28	18 58	18 54	14 55	5 40	1 56	
M24	19 28	20 8	5 15	23 20	1 3	9 30	1 24	7 30	0 18	23 3	0 22	18 10	1 58	6 34	0 40	19 30	1 37	14 19	16 28	18 58	18 55	14 58	5 41	1 56	
T 25	19 14	23 53	4 58	23 13	1 9	9 0	1 22	7 45	0 19	23 3	0 22	18 10	1 57	6 34	0 40	19 30	1 37	14 19	16 29	18 58	18 56	15 0	5 41	1 56	
W26	18 59	26 10	4 23	23 5	1 14	8 30	1 20	8 1	0 20	23 3	0 22	18 10	1 57	6 34	0 40	19 30	1 37	14 20	16 29	18 58	18 57	15 3	5 42	1 55	
T 27	18 44	26 49	3 33	22 56	1 20	8 1	1 17	8 17	0 21	23 3	0 22	18 10	1 57	6 34	0 40	19 30	1 37	14 21	16 30	18 58	18 57	15 5	5 43	1 55	
F 28	18 29	25 47	2 31	22 45	1 25	7 30	1 15	8 33	0 22	23 4	0 22	18 10	1 57	6 34	0 40	19 31	1 37	14 21	16 30	18 58	18 58	15 8	5 43	1 55	
S 29	18 14	23 15	1 22	22 34	1 30	7 0	1 13	8 49	0 23	23 4	0 22	18 10	1 56	6 33	0 40	19 31	1 37	14 22	16 31	18 58	18 59	15 11	5 44	1 55	
S 30	17 58	19 29	0 9	22 20	1 35	6 30	1 10	9 4	0 24	23 4	0 22	18 11	1 56	6 33	0 40	19 31	1 37	14 23	16 31	18 58	19 0	15 13	5 44	1 55	
M31	17s41	14n50	1s 3	22s 6	1s39	5s59	1s 8	9n20	0n25	23s 4	0n22	18n11	1s56	6s33	0n40	19s31	1n38	14n24	16n32	18s58	19s 1	15s16	5n45	1n55	

ASTRODIENST EPHEMERIS for the year 1972
geocentric

FEBRUARY 1972

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	8 41 15	11 ¹¹ 37'27	29 ¹² 31	0 ¹¹ 1	18 ¹⁸ 42	23 ¹⁷ 40	28 ¹⁷ 53	29 ¹⁸ 35	18 ¹⁸ 17	4 ¹⁷ 55	1 ¹⁸ 51	5 ¹⁸ 15	5 ¹⁸ 0	27 ¹² 24	10 ¹⁷ 7	T 1
W 2	8 45 11	12 ¹² 14'20	12 ¹² 3	1 ¹³ 37	19 ¹⁹ 54	24 ²⁴ 20	29 ²⁹ 5	29 ²⁹ 35	18 ¹⁸ 17	4 ¹⁷ 56	1 ¹⁸ 50	5 ¹⁸ 14	4 ¹⁷ 56	27 ¹² 31	10 ¹¹⁰	W 2
T 3	8 49 8	13 ¹³ 15'12	24 ²⁴ 22	3 ¹⁴ 14	21 ²¹ 6	25 ²⁵ 0	29 ²⁹ 16	29 ²⁹ 35	18 ¹⁸ 16	4 ¹⁷ 57	1 ¹⁸ 49	5 ¹⁸ 13	4 ¹⁷ 53	27 ¹² 37	10 ¹¹²	T 3
F 4	8 53 4	14 ¹⁴ 16'03	6 ¹² 29	4 ¹⁵ 52	22 ²² 18	25 ²⁵ 39	29 ²⁹ 28	29 ²⁹ 35	18 ¹⁸ 16	4 ¹⁷ 58	1 ¹⁸ 48	5 ¹⁸ 12	4 ¹⁷ 50	27 ¹² 44	10 ¹¹⁴	F 4
S 5	8 57 1	15 ¹⁵ 16'53	18 ¹⁸ 28	6 ¹⁶ 30	23 ²³ 31	26 ²⁶ 19	29 ²⁹ 39	29 ²⁹ 36	18 ¹⁸ 15	4 ¹⁷ 59	1 ¹⁸ 47	5 ¹⁸ 10	4 ¹⁷ 47	27 ¹² 51	10 ¹¹⁶	S 5
S 6	9 0 57	16 ¹⁶ 17'43	0 ¹² 21	8 ¹⁸ 9	24 ²⁴ 43	26 ²⁶ 58	29 ²⁹ 51	29 ²⁹ 36	18 ¹⁸ 14	5 ¹⁸ 0	1 ¹⁸ 46	5 ¹⁸ 9	4 ¹⁷ 44	27 ¹² 58	10 ¹¹⁹	S 6
M 7	9 4 54	17 ¹⁷ 18'31	12 ¹² 14	9 ¹⁹ 49	25 ²⁵ 54	27 ²⁷ 38	0 ¹² 2	29 ²⁹ 37	18 ¹⁸ 13	5 ¹⁸ 1	1 ¹⁸ 45	5 ¹⁸ D 9	4 ¹⁷ 40	28 ¹² 4	10 ¹²¹	M 7
T 8	9 8 51	18 ¹⁸ 19'19	24 ²⁴ 10	11 ²¹ 30	27 ²⁷ 6	28 ²⁸ 18	0 ¹³	29 ²⁹ 38	18 ¹⁸ 13	5 ¹⁸ 2	1 ¹⁸ 44	5 ¹⁸ 9	4 ¹⁷ 37	28 ¹² 11	10 ¹²³	T 8
W 9	9 12 47	19 ¹⁹ 20'05	6 ¹⁷ 15	13 ¹³ 11	28 ²⁸ 18	28 ²⁸ 57	0 ¹⁴ 24	29 ²⁹ 39	18 ¹⁸ 12	5 ¹⁸ 3	1 ¹⁸ 43	5 ¹⁸ 10	4 ¹⁷ 34	28 ¹² 18	10 ¹²⁶	W 9
T 10	9 16 44	20 ²⁰ 20'51	18 ¹⁸ 33	14 ¹⁴ 53	29 ²⁹ 30	29 ²⁹ 37	0 ¹⁵ 36	29 ²⁹ 40	18 ¹⁸ 11	5 ¹⁸ 4	1 ¹⁸ 42	5 ¹⁸ 11	4 ¹⁷ 31	28 ¹² 25	10 ¹²⁸	T 10
F 11	9 20 40	21 ²¹ 21'36	1 ¹³ 9	16 ¹⁶ 36	0 ¹⁶ 41	0 ¹⁶ 16	0 ¹⁶ 46	29 ²⁹ 41	18 ¹⁸ 10	5 ¹⁸ 5	1 ¹⁸ 41	5 ¹⁸ 12	4 ¹⁷ 28	28 ¹² 31	10 ¹³¹	F 11
S 12	9 24 37	22 ²² 22'19	14 ¹⁴ 5	18 ¹⁸ 20	1 ¹⁷ 53	0 ¹⁷ 56	0 ¹⁷ 57	29 ²⁹ 42	18 ¹⁸ 9	5 ¹⁸ 5	1 ¹⁸ 39	5 ¹⁸ 13	4 ¹⁷ 25	28 ¹² 38	10 ¹³³	S 12
S 13	9 28 33	23 ²³ 23'01	27 ²⁷ 24	20 ²⁰ 5	3 ¹⁸ 4	1 ¹⁸ 36	1 ¹⁸ 8	29 ²⁹ 44	18 ¹⁸ 8	5 ¹⁸ 6	1 ¹⁸ 38	5 ¹⁸ 14	4 ¹⁷ 21	28 ¹² 45	10 ¹³⁶	S 13
M14	9 32 30	24 ²⁴ 23'42	11 ¹¹ 36	21 ²¹ 51	4 ¹⁹ 15	2 ¹⁹ 15	1 ¹⁹ 19	29 ²⁹ 45	18 ¹⁸ 6	5 ¹⁸ 7	1 ¹⁸ 37	5 ¹⁸ R14	4 ¹⁷ 18	28 ¹² 51	10 ¹³⁹	M14
T 15	9 36 26	25 ²⁵ 24'22	25 ²⁵ 9	23 ²³ 37	5 ²⁰ 27	2 ²⁰ 55	1 ²⁰ 29	29 ²⁹ 47	18 ¹⁸ 5	5 ¹⁸ 8	1 ¹⁸ 36	5 ¹⁸ 13	4 ¹⁷ 15	28 ¹² 58	10 ¹⁴¹	T 15
W16	9 40 23	26 ²⁶ 25'00	9 ¹⁹ 29	25 ²⁵ 24	6 ²⁰ 38	3 ²⁰ 35	1 ²⁰ 40	29 ²⁹ 48	18 ¹⁸ 4	5 ¹⁸ 8	1 ¹⁸ 34	5 ¹⁸ 11	4 ¹⁷ 12	29 ¹² 5	10 ¹⁴⁴	W16
T 17	9 44 20	27 ²⁷ 25'36	24 ²⁴ 0	27 ²⁷ 12	7 ²¹ 49	4 ²¹ 14	1 ²¹ 50	29 ²⁹ 50	18 ¹⁸ 3	5 ¹⁸ 9	1 ¹⁸ 33	5 ¹⁸ 8	4 ¹⁷ 9	29 ¹² 12	10 ¹⁴⁷	T 17
F 18	9 48 16	28 ²⁸ 26'11	8 ¹⁹ 38	29 ²⁹ 1	8 ²¹ 59	4 ²¹ 54	2 ²¹ 1	29 ²⁹ 52	18 ¹⁸ 1	5 ¹⁸ 10	1 ¹⁸ 32	5 ¹⁸ 5	4 ¹⁷ 6	29 ¹² 18	10 ¹⁴⁹	F 18
S 19	9 52 13	29 ²⁹ 26'44	23 ²³ 14	0 ²⁰ 51	10 ²¹ 10	5 ²¹ 33	2 ²¹ 11	29 ²⁹ 54	18 ¹⁸ 0	5 ¹⁸ 10	1 ¹⁸ 31	5 ¹⁸ 2	4 ¹⁷ 2	29 ¹² 25	10 ¹⁵²	S 19
S 20	9 56 9	0 ²⁰ 27'15	7 ¹⁹ 43	2 ²¹ 41	11 ²¹ 21	6 ²¹ 13	2 ²¹ 21	29 ²⁹ 56	17 ¹⁷ 59	5 ¹⁸ 11	1 ¹⁸ 29	4 ¹⁸ 59	3 ¹⁸ 59	29 ¹² 32	10 ¹⁵⁵	S 20
M21	10 0 6	1 ²¹ 27'45	22 ²² 0	4 ²¹ 32	12 ²² 31	6 ²² 53	2 ²² 31	29 ²⁹ 59	17 ¹⁷ 57	5 ¹⁸ 11	1 ¹⁸ 28	4 ¹⁸ 58	3 ¹⁸ 56	29 ¹² 38	10 ¹⁵⁸	M21
T 22	10 4 2	2 ²² 28'13	6 ²¹ 4	6 ²² 24	13 ²³ 41	7 ²³ 32	2 ²³ 41	0 ²³ 1	17 ¹⁷ 56	5 ¹⁸ 12	1 ¹⁸ 27	4 ¹⁹ D58	3 ¹⁹ 53	29 ¹² 45	11 ¹¹ 1	T 22
W23	10 7 59	3 ²³ 28'38	19 ¹⁹ 53	8 ²³ 17	14 ²⁴ 52	8 ²⁴ 12	2 ²⁴ 51	0 ²⁴ 3	17 ¹⁷ 54	5 ¹⁸ 12	1 ¹⁸ 25	4 ¹⁹ 58	3 ¹⁹ 50	29 ¹² 52	11 ¹¹ 4	W23
T 24	10 11 55	4 ²⁴ 29'02	3 ²⁴ 27	10 ²⁴ 10	16 ²⁴ 2	8 ²⁴ 51	3 ²⁴ 0	0 ²⁴ 6	17 ¹⁷ 52	5 ¹⁸ 13	1 ¹⁸ 24	5 ¹⁹ 0	3 ¹⁹ 46	29 ¹² 59	11 ¹¹ 7	T 24
F 25	10 15 52	5 ²⁵ 29'24	16 ²⁵ 46	12 ²⁵ 3	17 ²⁵ 12	9 ²⁵ 31	3 ²⁵ 10	0 ²⁵ 9	17 ¹⁷ 51	5 ¹⁸ 13	1 ¹⁸ 22	5 ¹⁹ 2	3 ¹⁹ 43	0 ²⁵ 5	11 ¹¹⁰	F 25
S 26	10 19 49	6 ²⁶ 29'44	29 ²⁹ 52	13 ²⁶ 56	18 ²⁶ 21	10 ²⁶ 11	3 ²⁶ 19	0 ²⁶ 11	17 ¹⁷ 49	5 ¹⁸ 14	1 ¹⁸ 21	5 ¹⁹ R 3	3 ¹⁹ 40	0 ²⁶ 12	11 ¹¹³	S 26
S 27	10 23 45	7 ²⁷ 30'02	12 ²⁷ 46	15 ²⁷ 50	19 ²⁷ 31	10 ²⁷ 50	3 ²⁷ 29	0 ²⁷ 14	17 ¹⁷ 47	5 ¹⁸ 14	1 ¹⁸ 19	5 ¹⁹ 2	3 ¹⁹ 37	0 ²⁷ 19	11 ¹¹⁶	S 27
M28	10 27 42	8 ²⁸ 30'18	25 ²⁸ 28	17 ²⁸ 43	20 ²⁸ 40	11 ²⁸ 30	3 ²⁸ 38	0 ²⁸ 17	17 ¹⁷ 46	5 ¹⁸ 14	1 ¹⁸ 18	5 ¹⁹ 1	3 ¹⁹ 34	0 ²⁸ 26	11 ¹¹⁹	M28
T 29	10 31 38	9 ²⁹ 30'32	7 ²⁹ 59	19 ²⁹ 37	21 ²⁹ 50	12 ²⁹ 8	3 ²⁹ 47	0 ²⁹ 12	17 ¹⁷ 44	5 ¹⁸ 14	1 ¹⁸ 16	4 ¹⁹ 57	3 ¹⁹ 31	0 ²⁹ 32	11 ¹²²	T 29

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	17s25	9n36	2s10	21s50	1s43	5s29	1s 5	9n35	0n26	23s 4	0n22	18n11	1s55	6s33	0n40	19s31	1n38	14n25	16n32	18s58	19s 1	15s18	5n46	1n54	
W 2	17 8	4 7	3 10	21 32	1 47	4 58	1 3	9 51	0 26	23 5	0 22	18 11	1 55	6 33	0 40	19 31	1 38	14 25	16 33	18 58	19 2	15 21	5 47	1 54	
T 3	16 51	1s26	4 0	21 13	1 50	4 27	1 0	10 6	0 27	23 5	0 22	18 12	1 55	6 32	0 40	19 32	1 38	14 26	16 33	18 58	19 3	15 23	5 47	1 54	
F 4	16 33	6 49	4 38	20 53	1 53	3 56	0 57	10 21	0 28	23 5	0 22	18 12	1 55	6 32	0 40	19 32	1 38	14 27	16 34	18 58	19 4	15 26	5 48	1 54	
S 5	16 15	11 54	5 3	20 31	1 56	3 24	0 54	10 37	0 29	23 5	0 22	18 12	1 54	6 32	0 41	19 32	1 38	14 28	16 34	18 59	19 4	15 28	5 49	1 54	
S 6	15 57	16 31	5 15	20 8	1 59	2 53	0 51	10 52	0 30	23 5	0 22	18 13	1 54	6 32	0 41	19 32	1 38	14 28	16 34	18 59	19 5	15 31	5 50	1 54	
M 7	15 39	20 29	5 14	19 44	2 1	2 22	0 48	11 7	0 31	23 5	0 22	18 13	1 54	6 31	0 41	19 32	1 38	14 29	16 35	18 59	19 6	15 34	5 50	1 54	
T 8	15 20	23 39	4 59	19 18	2 2	1 50	0 45	11 22	0 32	23 5	0 22	18 14	1 54	6 31	0 41	19 32	1 38	14 30	16 35	18 59	19 7	15 36	5 51	1 53	
W 9	15 2	25 48	4 31	18 50	2 4	1 19	0 42	11 37	0 32	23 5	0 22	18 14	1 53	6 31	0 41	19 32	1 38	14 31	16 36	18 59	19 7	15 39	5 52	1 53	
T 10	14 42	26 46	3 50	18 22	2 5	0 47	0 39	11 51	0 33	23 5	0 22	18 15	1 53	6 30	0 41	19 32	1 38	14 32	16 36	18 59	19 8	15 41	5 53	1 53	
F 11	14 23	26 24	2 57	17 51	2 5	0 16	0 35	12 6	0 34	23 5	0 21	18 15	1 53	6 30	0 41	19 33	1 38	14 33	16 37	18 58	19 9	15 44	5 54	1 53	
S 12	14 3	24 35	1 54	17 19	2 5	0n16	0 32	12 21	0 35	23 5	0 21	18 16	1 52	6 29	0 41	19 33	1 38	14 33	16 37	18 58	19 10	15 46	5 55	1 53	
S 13	13 44	21 23	0 43	16 46	2 5	0 47	0 29	12 35	0 35	23 5	0 21	18 16	1 52	6 29	0 41	19 33	1 38	14 34	16 37	18 58	19 10	15 49	5 55	1 53	
M14	13 24	16 56	0n32	16 11	2 4	1 19	0 25	12 50	0 36	23 5	0 21	18 17	1 52	6 28	0 41	19 33	1 38	14 35	16 38	18 58	19 11	15 51	5 56	1 53	
T 15	13 3	11 27	1 48	15 35	2 3	1 50	0 21	13 4	0 37	23 5	0 21	18 17	1 52	6 28	0 41	19 33	1 38	14 36	16 38	18 58	19 12	15 54	5 57	1 52	
W16	12 43	5 17	2 57	14 58	2 2	2 22	0 18	13 18	0 38	23 5	0 21	18 18	1 51	6 28	0 41	19 33	1 38	14 37	16 38	18 58	19 13	15 56	5 58	1 52	
T 17	12 22	1n15	3 57	14 19	2 0	2 53	0 14	13 32	0 38	23 5	0 21	18 19	1 51	6 27	0 41	19 33	1 38	14 37	16 39	18 59	19 13	15 59	5 59	1 52	
F 18	12 1	7 44	4 41	13 39	1 57	3 24	0 10	13 46	0 39	23 5	0 21	18 19	1 51	6 26	0 41	19 33	1 38	14 38	16 39	19 0	19 14	16 1	6 0	1 52	
S 19	11 40	13 47	5 7	12 57	1 54	3 56	0 7	14 0	0 40	23 4	0 21	18 20	1 51	6 26	0 41	19 33	1 38	14 39	16 40	19 1	19 15	16 4	6 1	1 52	
S 20	11 19	19 1	5 13	12 14	1 50	4 27	0 3	14 14	0 41	23 4	0 21	18 21	1 50	6 25	0 41	19 33	1 38	14 40	16 40	19 1	19 16	16 6	6 2	1 52	
M21	10 57	23 6	5 0	11 29	1 46	4 58	0n 1	14 28	0 41	23 4	0 21	18 21	1 50	6 25	0 41	19 33	1 39	14 41	16 40	19 2	19 16	16 9	6 3	1 52	
T 22	10 36	25 44	4 29	10 44	1 41	5 29	0 5	14 41	0 42	23 4	0 21	18 22	1 50	6 24	0 41	19 33	1 39	14 42	16 40	19 2	19 17	16 11	6 4	1 52	
W23	10 14	26 45	3 43	9 57	1 36	5 20	0 9	14 55	0 43	23 4	0 21	18 23	1 49	6 24	0 41	19 33	1 39	14 42	16 41	19 2	19 18	16 14	6 5	1 51	
T 24	9 52	26 8	2 44	9 9	1 30	6 30	0 13	15 8	0 43	23 4	0 21	18 24	1 49	6 23	0 41	19 33	1 39	14 43	16 41	19 1	19 19	16 16	6 6	1 51	
F 25	9 30	24 1	1 38	8 19	1 23	7 1	0 17	15 21	0 44	23 4	0 21	18 25	1 49	6 22	0 41	19 33	1 39	14 44	16 41	19 1	19 19	16 18	6 7	1 51	
S 26	9 8	20 39	0 28	7 29	1 16	7 32	0 21	15 35	0 44	23 3	0 21	18 25	1 49	6 22	0 41	19 33	1 39	14 45	16 42	19 1	19 20	16 21	6 8	1 51	
S 27	8 45	16 19	0s42	6 38	1 8	8 2	0 25	15 48	0 45	23 3	0 21	18 26	1 48	6 21	0 41	19 33	1 39	14 46	16 42	19 1	19 21	16 23	6 9	1 51	
M28	8 23	11 19	1 49	5 46	0 59	8 32	0 30	16 0	0 46	23 3	0 21	18 27	1 48	6 20	0 41	19 33	1 39	14 47	16 42	19 1	19 22	16 26	6 11	1 51	
T 29	8s 0	5n57	2s50	4s53	0s50	9n 2	0n34	16n13	0n46	23s 3	0n21	18n28	1s48	6s20	0n41	19s33	1n39	14n47	16n42	19s 2	19s22	16s28	6n12	1n51	

ASTRODIENST EPHEMERIS for the year 1972

geocentric

MARCH 1972

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	10 35 35	10°30'45	20°17'20	21°39'29	22°59'59	12°48'49	3°35'56	0°11'23	17°R42	5°15'15	1°R15	4°R52	3°27'27	0°11'39	11°V25	W 1
T 2	10 39 31	11°30'56	2°13'32	23°21'24	24° 8'13	13°28'40	4° 5'00	0°27'17	17°40'40	5°15'15	1°13'13	4°45'45	3°24'24	0°46'46	11°28'28	T 2
F 3	10 43 28	12°31'05	14°35'14	25°11'25	25°17'14	14° 8'40	4°14'22	0°30'17	17°38'36	5°15'15	1°12'10	4°38'31	3°21'18	0°52'59	11°31'34	F 3
S 4	10 47 24	13°31'12	26°32'27	27° 0'0	26°25'14	14°47'47	4°22'47	0°34'17	17°36'36	5°15'15	1°10'10	4°31'31	3°18'18	0°59'59	11°34'34	S 4
S 5	10 51 21	14°31'18	8°11'24	28°46'27	27°34'15	15°27'43	4°31'37	0°37'17	17°34'34	5°15'15	1° 9'9	4°25'25	3°15'15	1° 6'6	11°38'38	S 5
M 6	10 55 18	15°31'22	20°16'16	0°13'30	28°42'16	6° 6'43	4°39'41	0°41'17	17°32'32	5°15'15	1° 7'7	4°20'20	3°11'11	1°13'13	11°41'41	M 6
T 7	10 59 14	16°31'24	2°11'11	2°11'29	29°50'16	16°46'44	4°47'47	0°45'17	17°30'30	5°R15'15	1° 6'6	4°17'17	3° 8'8	1°19'19	11°44'44	T 7
W 8	11 3 11	17°31'25	14°14'14	3°48'08	17°25'17	17°25'17	4°55'45	0°48'17	17°28'28	5°15'15	1° 4'4	4°D15'15	3° 5'5	1°26'26	11°47'47	W 8
T 9	11 7 7	18°31'22	26°28'52	2° 6'2	18° 5'5	18° 5'5	5° 3'3	0°52'17	17°26'26	5°15'15	1° 3'3	4°16'16	3° 2'2	1°33'33	11°51'51	T 9
F 10	11 11 4	19°31'25	9°3'0	6°50'3	18°44'18	18°44'18	5°11'11	0°56'17	17°24'24	5°15'15	1° 1'1	4°17'17	2°59'59	1°40'40	11°54'54	F 10
S 11	11 15 0	20°31'18	21°54'8	8°13'4	19°23'19	19°23'19	5°19'19	1° 0'0	17°21'21	5°15'15	0°59'59	4°18'18	2°56'56	1°46'46	11°57'57	S 11
S 12	11 18 57	21°31'13	5°12'12	9°31'5	5°28'20	20° 3'5	5°26'26	1° 5'5	17°19'19	5°15'15	0°58'58	4°R19'19	2°52'52	1°53'53	12° 1'1	S 12
M13	11 22 53	22°31'05	18°59'10	10°42'6	6°35'20	20°42'42	5°34'34	1° 9'9	17°17'17	5°15'15	0°56'56	4°18'18	2°49'49	2° 0'0	12° 4'4	M13
T 14	11 26 50	23°30'56	3°11'11	11°47'7	7°42'21	21°22'22	5°41'41	1°13'13	17°15'15	5°15'15	0°54'54	4°15'15	2°46'46	2° 6'6	12° 7'7	T 14
W15	11 30 47	24°30'45	17°50'12	12°45'8	8°48'22	22° 1'5	5°48'48	1°18'18	17°12'12	5°14'14	0°53'53	4° 9'9	2°43'43	2°13'13	12°11'11	W15
T 16	11 34 43	25°30'32	2°14'44	13°35'9	9°55'22	22°40'40	5°55'55	1°22'22	17°10'10	5°14'14	0°51'51	4° 2'2	2°40'40	2°20'20	12°14'14	T 16
F 17	11 38 40	26°30'17	17°48'14	14°18'11	11° 1'23	23°20'20	6° 2'2	1°27'27	17° 8'8	5°14'14	0°50'50	3°54'54	2°37'37	2°27'27	12°18'18	F 17
S 18	11 42 36	27°29'59	2°15'50	14°53'12	12° 7'23	23°59'59	6° 9'9	1°32'32	17° 5'5	5°13'13	0°48'48	3°46'46	2°33'33	2°33'33	12°21'21	S 18
S 19	11 46 33	28°29'40	17°42'15	15°20'13	13°12'24	24°39'39	6°15'15	1°37'37	17° 3'3	5°13'13	0°46'46	3°38'38	2°30'30	2°40'40	12°24'24	S 19
M20	11 50 29	29°29'18	2°11'17	15°38'14	14°18'25	25°18'18	6°22'22	1°41'41	17° 1'1	5°13'13	0°45'45	3°33'33	2°27'27	2°47'47	12°28'28	M20
T 21	11 54 26	0°13'55	16°30'16	15°48'15	15°23'25	25°57'57	6°28'28	1°46'46	16°58'58	5°12'12	0°43'43	3°30'30	2°24'24	2°53'53	12°31'31	T 21
W22	11 58 22	1°28'29	0°19'19	15°R51'15	16°28'26	26°36'36	6°34'34	1°52'52	16°56'56	5°12'12	0°41'41	3°D29'29	2°21'21	3° 0'0	12°35'35	W22
T 23	12 2 19	2°28'00	13°46'15	15°45'17	17°32'27	27°16'16	6°40'40	1°57'57	16°53'53	5°11'11	0°40'40	3°30'30	2°17'17	3° 7'7	12°38'38	T 23
F 24	12 6 16	3°27'29	26°54'15	15°32'18	18°37'27	27°55'55	6°46'46	2° 2'2	16°51'51	5°11'11	0°38'38	3°R31'31	2°14'14	3°14'14	12°42'42	F 24
S 25	12 10 12	4°26'56	9°11'44	15°11'19	19°41'41	28°34'34	6°51'51	2° 7'7	16°48'48	5°10'10	0°36'36	3°30'30	2°11'11	3°20'20	12°45'45	S 25
S 26	12 14 9	5°26'21	22°20'14	14°44'20	20°44'29	29°13'13	6°57'57	2°13'13	16°46'46	5°10'10	0°35'35	3°29'29	2° 8'8	3°27'27	12°49'49	S 26
M27	12 18 5	6°25'43	4°11'45	14°11'21	21°48'48	29°53'53	7° 2'2	2°18'18	16°43'43	5° 9'9	0°33'33	3°24'24	2° 5'5	3°34'34	12°52'52	M27
T 28	12 22 2	7°25'03	17° 0'13	13°33'22	22°51'51	0°11'32	7° 7'7	2°23'23	16°41'41	5° 8'8	0°31'31	3°17'17	2° 2'2	3°41'41	12°56'56	T 28
W29	12 25 58	8°24'21	29° 0'12	12°51'23	23°54'54	1°11'11	7°12'12	2°29'29	16°38'38	5° 8'8	0°30'30	3° 8'8	1°58'58	3°47'47	12°59'59	W29
T 30	12 29 55	9°23'36	11°11'12	12° 5'24	24°56'56	1°50'50	7°17'17	2°35'35	16°36'36	5° 7'7	0°28'28	2°56'56	1°55'55	3°54'54	13° 3'3	T 30
F 31	12 33 51	10°12'50	23°11'9	11°17'11	25°58'58	2°11'29	7°21'21	2°11'40	16°33'33	5°15'15	0°27'27	2°43'43	1°52'52	4°11'11	13°13'13	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	7s38	0n26	3s42	4s 0	0s41	9n32	0n38	16n26	0n47	23s 3	0n21	18n29	1s48	6s19	0n41	19s33
T 2	7 15	5s 1	4 22	3 6	0 30	10 1	0 42	16 38	0 47	23 2	0 21	18 30	1 47	6 18	0 41	19 33
F 3	6 52	10 13	4 51	2 13	0 19	10 30	0 47	16 51	0 48	23 2	0 20	18 31	1 47	6 17	0 41	19 33
S 4	6 29	15 0	5 6	1 19	0 8	10 59	0 51	17 3	0 48	23 2	0 20	18 32	1 47	6 17	0 41	19 33
S 5	6 6	19 10	5 9	0 26	0n 4	11 28	0 55	17 15	0 49	23 2	0 20	18 33	1 47	6 16	0 41	19 33
M 6	5 43	22 36	4 58	0n27	0 16	11 57	1 0	17 27	0 50	23 1	0 20	18 34	1 46	6 15	0 41	19 33
T 7	5 19	25 4	4 34	1 19	0 29	12 25	1 4	17 39	0 50	23 1	0 20	18 35	1 46	6 14	0 41	19 33
W 8	4 56	26 27	3 58	2 9	0 42	12 53	1 9	17 51	0 51	23 1	0 20	18 36	1 46	6 13	0 41	19 33
T 9	4 32	26 34	3 10	2 59	0 55	13 21	1 13	18 2	0 51	23 1	0 20	18 37	1 46	6 13	0 41	19 33
F 10	4 9	25 20	2 12	3 46	1 9	13 48	1 18	18 14	0 52	23 0	0 20	18 38	1 45	6 12	0 41	19 33
S 11	3 45	22 46	1 7	4 31	1 22	14 16	1 22	18 25	0 52	23 0	0 20	18 39	1 45	6 11	0 41	19 33
S 12	3 22	18 54	0n 5	5 14	1 36	14 42	1 27	18 36	0 53	23 0	0 20	18 40	1 45	6 10	0 41	19 33
M13	2 58	13 54	1 18	5 54	1 49	15 9	1 31	18 47	0 53	23 0	0 20	18 41	1 45	6 9	0 41	19 33
T 14	2 35	8 1	2 29	6 32	2 2	15 35	1 36	18 58	0 54	22 59	0 20	18 42	1 44	6 8	0 41	19 33
W15	2 11	1 33	3 32	7 6	2 14	16 1	1 40	19 9	0 54	22 59	0 20	18 44	1 44	6 7	0 41	19 33
T 16	1 47	5n 6	4 22	7 37	2 26	16 26	1 44	19 19	0 55	22 59	0 20	18 45	1 44	6 6	0 41	19 32
F 17	1 23	11 30	4 54	8 3	2 37	16 52	1 49	19 30	0 55	22 59	0 20	18 46	1 44	6 6	0 41	19 32
S 18	1 0	17 14	5 6	8 27	2 48	17 16	1 53	19 40	0 55	22 58	0 20	18 47	1 43	6 5	0 41	19 32
S 19	0 36	21 51	4 57	8 46	2 57	17 41	1 58	19 50	0 56	22 58	0 20	18 48	1 43	6 4	0 41	19 32
M20	0 12	25 0	4 28	9 1	3 6	18 5	2 2	20 0	0 56	22 58	0 20	18 49	1 43	6 3	0 41	19 32
T 21	0n12	26 29	3 44	9 11	3 13	18 28	2 7	20 10	0 57	22 58	0 20	18 51	1 43	6 2	0 41	19 32
W22	0 35	26 14	2 48	9 17	3 19	18 51	2 11	20 20	0 57	22 57	0 20	18 52	1 43	6 1	0 41	19 32
T 23	0 59	24 27	1 44	9 19	3 23	19 14	2 16	20 29	0 58	22 57	0 20	18 53	1 42	6 0	0 41	19 32
F 24	1 23	21 22	0 35	9 17	3 26	19 36	2 20	20 38	0 58	22 57	0 19	18 54	1 42	5 59	0 41	19 32
S 25	1 46	17 17	0s33	9 10	3 27	19 58	2 24	20 48	0 58	22 57	0 19	18 56	1 42	5 58	0 41	19 31
S 26	2 10	12 31	1 39	8 59	3 26	20 20	2 29	20 57	0 59	22 56	0 19	18 57	1 42	5 57	0 41	19 31
M27	2 33	7 19	2 38	8 44	3 24	20 41	2 33	21 5	0 59	22 56	0 19	18 58	1 41	5 56	0 41	19 31
T 28	2 57	1 55	3 30	8 25	3 20	21 1	2 37	21 14	0 59	22 56	0 19	18 59	1 41	5 55	0 41	19 31
W29	3 20	3s30	4 11	8 3	3 14	21 21	2 41	21 23	1 0	22 56	0 19	19 1	1 41	5 54	0 41	19 31
T 30	3 43	8 43	4 40	7 38	3 6	21 41	2 45	21 31	1 0	22 55	0 19	19 2	1 41	5 53	0 41	19 31
F 31	4n 7	13s36	4s57	7n11	2n57	22n 0	2n49	21n39	1n 0	22s55	0n19	19n 3	1s41	5s52	0n41	19s30

Julian Day Number = 2441377.5, Delta T = 42.41 sec
 Ecliptic obliquity = 23°26'40, Nutation = 0°00'15, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 24°21'05, Lahiri = 23°28'06

ASTRODIENST EPHEMERIS for the year 1972
geocentric

APRIL 1972

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	12 37 48	11°22'02	5♈ 3	10°R28	27♈ 0	3♈ 8	7♈26	2♈46	16°R30	5°R 5	0°R25	2°R31	1♈49	4♈ 7	13°V10	S 1
S 2	12 41 44	12°21'12	16°55	9°V38	28° 1	3°48	7°30	2°52	16°28	5° 5	0°23	2°19	1°46	4°14	13°13	S 2
M 3	12 45 41	13°20'20	28°47	8°48	29° 2	4°27	7°34	2°58	16°25	5° 4	0°22	2° 9	1°43	4°21	13°17	M 3
T 4	12 49 38	14°19'26	10°24	8° 1	0♈ 3	5° 6	7°38	3° 4	16°23	5° 3	0°20	2° 1	1°39	4°28	13°20	T 4
W 5	12 53 34	15°18'30	22°44	7°15	1° 3	5°45	7°42	3°10	16°20	5° 2	0°19	1°57	1°36	4°34	13°24	W 5
T 6	12 57 31	16°17'33	4°56	6°33	2° 3	6°24	7°46	3°16	16°18	5° 1	0°17	1°55	1°33	4°41	13°27	T 6
F 7	13 1 27	17°16'34	17°24	5°55	3° 3	7° 3	7°49	3°22	16°15	5° 0	0°15	1°D54	1°30	4°48	13°31	F 7
S 8	13 5 24	18°15'33	0°12	5°21	4° 1	7°42	7°52	3°28	16°12	4°59	0°14	1°R54	1°27	4°55	13°35	S 8
S 9	13 9 20	19°14'30	13°25	4°51	5° 0	8°21	7°55	3°35	16°10	4°58	0°12	1°54	1°23	5° 1	13°38	S 9
M10	13 13 17	20°13'26	27° 7	4°27	5°58	9° 0	7°58	3°41	16° 7	4°57	0°11	1°52	1°20	5° 8	13°42	M10
T 11	13 17 13	21°12'19	11°17	4° 7	6°56	9°39	8° 1	3°48	16° 5	4°56	0° 9	1°47	1°17	5°15	13°45	T 11
W12	13 21 10	22°11'11	25°56	3°53	7°53	10°18	8° 4	3°54	16° 2	4°55	0° 8	1°40	1°14	5°21	13°49	W12
T 13	13 25 7	23°10'01	10°V58	3°44	8°50	10°57	8° 6	4° 0	15°59	4°54	0° 6	1°31	1°11	5°28	13°52	T 13
F 14	13 29 3	24° 8'49	26°14	3°D41	9°46	11°36	8° 8	4° 7	15°57	4°53	0° 5	1°20	1° 8	5°35	13°56	F 14
S 15	13 33 0	25° 7'36	11°32	3°43	10°41	12°14	8°10	4°14	15°54	4°52	0° 3	1° 9	1° 4	5°42	13°59	S 15
S 16	13 36 56	26° 6'20	26°42	3°50	11°36	12°53	8°12	4°20	15°52	4°51	0° 2	0°59	1° 1	5°48	14° 2	S 16
M17	13 40 53	27° 5'02	11°34	4° 2	12°31	13°32	8°13	4°27	15°49	4°49	0° 0	0°51	0°58	5°55	14° 6	M17
T 18	13 44 49	28° 3'42	26° 1	4°19	13°25	14°11	8°15	4°34	15°47	4°48	29°59	0°46	0°55	6° 2	14° 9	T 18
W19	13 48 46	29° 2'20	10°50	4°40	14°18	14°50	8°16	4°41	15°44	4°47	29°58	0°44	0°52	6° 8	14°13	W19
T 20	13 52 42	0° 0'55	23°31	5° 6	15°10	15°29	8°17	4°48	15°42	4°46	29°56	0°43	0°48	6°15	14°16	T 20
F 21	13 56 39	0°59'28	6°23	5°36	16° 2	16° 8	8°18	4°54	15°39	4°44	29°55	0°43	0°45	6°22	14°20	F 21
S 22	14 0 36	1°57'59	19°23	6°11	16°54	16°46	8°19	5° 1	15°37	4°43	29°54	0°42	0°42	6°29	14°23	S 22
S 23	14 4 32	2°56'28	1°51	6°49	17°44	17°25	8°19	5° 8	15°34	4°42	29°52	0°40	0°39	6°35	14°26	S 23
M24	14 8 29	3°54'55	14° 6	7°31	18°34	18° 4	8°19	5°15	15°32	4°41	29°51	0°35	0°36	6°42	14°30	M24
T 25	14 12 25	4°53'19	26°12	8°17	19°23	18°43	8°19	5°22	15°30	4°39	29°50	0°27	0°33	6°49	14°33	T 25
W26	14 16 22	5°51'42	8°12	9° 6	20°11	19°21	8°19	5°30	15°27	4°38	29°48	0°17	0°29	6°56	14°37	W26
T 27	14 20 18	6°50'02	20° 8	9°58	20°58	20° 0	8°19	5°37	15°25	4°36	29°47	0° 4	0°26	7° 2	14°40	T 27
F 28	14 24 15	7°48'21	2°11	10°54	21°45	20°39	8°19	5°44	15°23	4°35	29°46	29°50	0°23	7° 9	14°43	F 28
S 29	14 28 11	8°46'38	13°54	11°53	22°30	21°17	8°18	5°51	15°20	4°34	29°45	29°37	0°20	7°16	14°46	S 29
S 30	14 32 8	9°44'53	25°47	12°V54	23°15	21°56	8°17	5°58	15°18	4°32	29°44	29°34	0°17	7°22	14°V50	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
S 1	4n30	17s56	5s 1	6n42	2n47	22n18	2n54	21n47	1n 1	22s55	0n19	19n 5	1s40	5s51	0n41	19s30	1n41	15n11	16n46	19s36	19s46	17s44	6n51	1n48			
S 2	4 53	21 33	4 52	6 11	2 35	22 36	2 58	21 55	1 1	22 55	0 19	19 6	1 40	5 50	0 41	19 30	1 41	15 11	16 46	19 39	19 46	17 46	6 52	1 48			
M 3	5 16	24 17	4 30	5 39	2 21	22 54	3 1	22 3	1 1	22 55	0 19	19 7	1 40	5 49	0 41	19 30	1 41	15 12	16 46	19 41	19 47	17 48	6 54	1 48			
T 4	5 39	25 57	3 56	5 8	2 7	23 11	3 5	22 10	1 2	22 55	0 19	19 9	1 40	5 48	0 41	19 30	1 41	15 12	16 45	19 43	19 48	17 51	6 55	1 48			
W 5	6 2	26 26	3 12	4 36	1 52	23 28	3 9	22 17	1 2	22 54	0 19	19 10	1 40	5 47	0 41	19 29	1 41	15 13	16 45	19 44	19 48	17 53	6 56	1 47			
T 6	6 25	25 39	2 18	4 5	1 36	23 44	3 13	22 24	1 2	22 54	0 19	19 11	1 39	5 46	0 41	19 29	1 41	15 13	16 45	19 44	19 49	17 55	6 58	1 47			
F 7	6 47	23 34	1 16	3 35	1 20	23 59	3 17	22 31	1 3	22 54	0 19	19 13	1 39	5 45	0 41	19 29	1 41	15 14	16 45	19 44	19 50	17 57	6 59	1 47			
S 8	7 10	20 15	0 9	3 6	1 4	24 14	3 20	22 38	1 3	22 54	0 19	19 14	1 39	5 44	0 41	19 29	1 41	15 14	16 45	19 44	19 51	18 0	7 0	1 47			
S 9	7 32	15 50	1n 1	2 40	0 48	24 28	3 24	22 45	1 3	22 54	0 19	19 15	1 39	5 43	0 41	19 29	1 41	15 15	16 45	19 45	19 51	18 2	7 2	1 47			
M10	7 54	10 27	2 9	2 15	0 32	24 42	3 27	22 51	1 4	22 54	0 19	19 17	1 39	5 42	0 41	19 28	1 41	15 15	16 45	19 45	19 52	18 4	7 3	1 47			
T 11	8 16	4 22	3 12	1 53	0 16	24 56	3 30	22 57	1 4	22 54	0 19	19 18	1 39	5 41	0 41	19 28	1 41	15 16	16 45	19 46	19 53	18 6	7 4	1 47			
W12	8 38	2n 8	4 4	1 33	0s 0	25 9	3 34	23 3	1 4	22 53	0 18	19 19	1 38	5 40	0 41	19 28	1 41	15 16	16 44	19 48	19 53	18 9	7 6	1 47			
T 13	9 0	8 39	4 41	1 15	0 15	25 21	3 37	23 9	1 4	22 53	0 18	19 21	1 38	5 39	0 41	19 28	1 41	15 17	16 44	19 50	19 54	18 11	7 7	1 47			
F 14	9 22	14 46	4 59	1 0	0 30	25 33	3 40	23 15	1 5	22 53	0 18	19 22	1 38	5 38	0 41	19 27	1 41	15 17	16 44	19 52	19 55	18 13	7 8	1 47			
S 15	9 44	19 58	4 55	0 48	0 44	25 44	3 43	23 20	1 5	22 53	0 18	19 24	1 38	5 37	0 41	19 27	1 41	15 18	16 44	19 54	19 55	18 15	7 10	1 47			
S 16	10 5	23 49	4 31	0 38	0 58	25 54	3 46	23 26	1 5	22 53	0 18	19 25	1 38	5 36	0 41	19 27	1 41	15 18	16 44	19 57	19 56	18 17	7 11	1 47			
M17	10 26	25 57	3 48	0 31	1 11	26 5	3 49	23 31	1 5	22 53	0 18	19 26	1 38	5 36	0 41	19 27	1 41	15 18	16 44	19 58	19 57	18 20	7 12	1 47			
T 18	10 47	26 15	2 52	0 27	1 23	26 14	3 51	23 36	1 6	22 53	0 18	19 28	1 37	5 35	0 41	19 27	1 41	15 19	16 43	19 59	19 57	18 22	7 13	1 47			
W19	11 8	24 51	1 47	0 25	1 34	26 23	3 54	23 40	1 6	22 53	0 18	19 29	1 37	5 34	0 41	19 26	1 41	15 19	16 43	20 0	19 58	18 24	7 15	1 47			
T 20	11 29	22 1	0 38	0 25	1 45	26 32	3 56	23 45	1 6	22 53	0 18	19 30	1 37	5 33	0 41	19 26	1 41	15 19	16 43	20 0	19 59	18 26	7 16	1 47			
F 21	11 49	18 7	0s31	0 28	1 55	26 40	3 58	23 49	1 6	22 53	0 18	19 32	1 37	5 32	0 41	19 26	1 41	15 20	16 43	20 0	20 0	18 28	7 17	1 47			
S 22	12 10	13 29	1 37	0 33	2 4	26 47	4 0	23 54	1 7	22 53	0 18	19 33	1 37	5 31	0 41	19 25	1 41	15 20	16 42	20 0	20 0	18 31	7 19	1 47			
S 23	12 30	8 23	2 36	0 41	2 13	26 54	4 2	23 58	1 7	22 53	0 18	19 35	1 37	5 30	0 41	19 25	1 41	15 20	16 42	20 1	20 1	18 33	7 20	1 47			
M24	12 50	3 4	3 28	0 50	2 20	27 0	4 4	24 1	1 7	22 53	0 18	19 36	1 36	5 29	0 41	19 25	1 41	15 21	16 42	20 2	20 2	18 35	7 21	1 47			
T 25	13 9	2s18	4 8	1 2	2 27	27 6	4 6	24 5	1 7	22 53	0 18	19 37	1 36	5 28	0 41	19 25	1 41	15 21	16 42	20 3	20 3	18 37	7 22	1 47			
W26	13 29	7 31	4 38	1 15	2 34	27 11	4 7	24 8	1 7	22 53	0 18	19 39	1 36	5 27	0 41	19 24	1 41	15 21	16 41	20 4	20 4	18 39	7 24	1 47			
T 27	13 48	12 25	4 55	1 31	2 39	27 16	4 9	24 12	1 8	22 53	0 18	19 40	1 36	5 26	0 41	19 24	1 41	15 21	16 41	20 8	20 4	18 41	7 25	1 46			
F 28	14 7	16 51	4 59	1 48	2 44	27 21	4 10	24 15	1 8	22 54	0 17	19 42	1 36	5 25	0 41	19 24	1 41	15 22	16 41	20 11	20 4	18 43	7 26	1 46			
S 29	14 26	20 38	4 50	2 7	2 48	27 24	4 11	24 17	1 8	22 54	0 17	19 43	1 36	5 25	0 41	19 24	1 41	15 22	16 40	20 14	20 5	18 46	7 27	1 46			
S 30	14n44	23s33	4s29	2n27	2s52	27n28	4n12	24n20	1n 8	22s54	0n17	19n44	1s36	5s24	0n41	19s23	1n41	15n22	16n40	20s17	20s 6	18s48	7n29	1n46			

ASTRODIENST EPHEMERIS for the year 1972

geocentric

MAY 1972

00:00 UT

Day	Sid.t	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	14 36 5	10♈43'06	7♊42	13♈58	23♈58	22♈35	8♈16	6♈6	15♈16	4♈31	29♈42	29♈13	0♈14	7♈29	14♈53	M 1
T 2	14 40 1	11°41'18	19°41	15° 6	24°41	23°13	8♈15	6°13	15♈13	4♈29	29♈41	29♈4	0°10	7°36	14°56	T 2
W 3	14 43 58	12°39'29	1♈47	16°15	25°23	23°52	8°13	6°20	15°11	4°28	29°40	28°59	0° 7	7°43	14°59	W 3
T 4	14 47 54	13°37'37	14° 3	17°27	26° 3	24°31	8°12	6°28	15° 9	4°26	29°39	28°56	0° 4	7°49	15° 3	T 4
F 5	14 51 51	14°35'45	26°32	18°42	26°43	25° 9	8°10	6°35	15° 7	4°25	29°38	28°D55	0° 1	7°56	15° 6	F 5
S 6	14 55 47	15°33'50	9♈18	19°59	27°21	25°48	8° 8	6°43	15° 5	4°23	29°37	28°R55	29♈58	8° 3	15° 9	S 6
S 7	14 59 44	16°31'55	22°27	21°18	27°58	26°26	8° 6	6°50	15° 3	4°22	29°36	28°55	29°54	8° 9	15°12	S 7
M 8	15 3 40	17°29'58	6♈1	22°40	28°34	27° 5	8° 4	6°58	15° 1	4°20	29°35	28°54	29°51	8°16	15°15	M 8
T 9	15 7 37	18°28'00	20° 2	24° 4	29° 8	27°43	8° 1	7° 5	14°59	4°19	29°34	28°51	29°48	8°23	15°18	T 9
W10	15 11 34	19°26'00	4♈31	25°30	29°41	28°22	7°58	7°13	14°57	4°17	29°33	28°45	29°45	8°30	15°21	W10
T 11	15 15 30	20°23'59	19°25	26°58	0♈13	29° 0	7°56	7°20	14°55	4°16	29°32	28°37	29°42	8°36	15°24	T 11
F 12	15 19 27	21°21'57	4♈35	28°28	0°44	29°39	7°53	7°28	14°53	4°14	29°31	28°27	29°39	8°43	15°27	F 12
S 13	15 23 23	22°19'53	19°52	0♈1	1°12	0♈17	7°49	7°35	14°51	4°13	29°30	28°18	29°35	8°50	15°30	S 13
S 14	15 27 20	23°17'48	5♈5	1°36	1°40	0°56	7°46	7°43	14°49	4°11	29°30	28° 9	29°32	8°57	15°33	S 14
M15	15 31 16	24°15'41	20° 4	3°12	2° 5	1°34	7°42	7°51	14°47	4° 9	29°29	28° 2	29°29	9° 3	15°36	M15
T 16	15 35 13	25°13'33	4♈39	4°51	2°29	2°13	7°39	7°58	14°45	4° 8	29°28	27°57	29°26	9°10	15°39	T 16
W17	15 39 9	26°11'23	18°48	6°32	2°52	2°51	7°35	8° 6	14°44	4° 6	29°27	27°55	29°23	9°17	15°42	W17
T 18	15 43 6	27° 9'11	2♈27	8°15	3°12	3°29	7°31	8°14	14°42	4° 5	29°27	27°D55	29°20	9°23	15°45	T 18
F 19	15 47 3	28° 6'58	15°39	10° 0	3°31	4° 8	7°26	8°21	14°40	4° 3	29°26	27°56	29°16	9°30	15°48	F 19
S 20	15 50 59	29° 4'42	28°28	11°48	3°47	4°46	7°22	8°29	14°39	4° 1	29°25	27°R56	29°13	9°37	15°50	S 20
S 21	15 54 56	0♈2'26	10♈56	13°37	4° 2	5°25	7°17	8°37	14°37	4° 0	29°25	27°56	29°10	9°44	15°53	S 21
M22	15 58 52	1° 0'07	23° 9	15°28	4°14	6° 3	7°13	8°45	14°36	3°58	29°24	27°53	29° 7	9°50	15°56	M22
T 23	16 2 49	1°57'47	5♈12	17°22	4°25	6°41	7° 8	8°52	14°34	3°57	29°23	27°48	29° 4	9°57	15°59	T 23
W24	16 6 45	2°55'26	17° 8	19°18	4°33	7°20	7° 3	9° 0	14°33	3°55	29°23	27°41	29° 0	10° 4	16° 1	W24
T 25	16 10 42	3°53'03	29° 0	21°15	4°39	7°58	6°58	9° 8	14°31	3°53	29°22	27°33	28°57	10°10	16° 4	T 25
F 26	16 14 38	4°50'38	10♈52	23°15	4°43	8°36	6°52	9°16	14°30	3°52	29°22	27°23	28°54	10°17	16° 6	F 26
S 27	16 18 35	5°48'13	22°46	25°16	4°R45	9°14	6°47	9°24	14°29	3°50	29°22	27°13	28°51	10°24	16° 9	S 27
S 28	16 22 32	6°45'46	4♈43	27°19	4°44	9°53	6°41	9°31	14°27	3°48	29°21	27° 4	28°48	10°31	16°11	S 28
M29	16 26 28	7°43'19	16°45	29°24	4°40	10°31	6°36	9°39	14°26	3°47	29°21	26°56	28°45	10°37	16°14	M29
T 30	16 30 25	8°40'50	28°53	1♈31	4°35	11° 9	6°30	9°47	14°25	3°45	29°20	26°51	28°41	10°44	16°16	T 30
W31	16 34 21	9♈38'20	11♈9	3♈39	4♈27	11♈47	6♈24	9♈55	14♈24	3♈44	29♈20	26♈47	28♈38	10♈51	16♈19	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	15n 3	25s28	3s56	2n50	2s55	27n30	4n12	24n22	1n 8	22s54	0n17	19n46	1s35	5s23	0n41	19s23	1n42
T 2	15 21	26 14	3 12	3 14	2 57	27 33	4 13	24 25	1 9	22 54	0 17	19 47	1 35	5 22	0 41	19 23	1 42
W 3	15 38	25 44	2 18	3 39	2 58	27 35	4 13	24 27	1 9	22 54	0 17	19 49	1 35	5 21	0 41	19 22	1 42
T 4	15 56	24 0	1 18	4 5	2 59	27 36	4 13	24 29	1 9	22 54	0 17	19 50	1 35	5 20	0 41	19 22	1 42
F 5	16 13	21 4	0 13	4 33	3 0	27 37	4 13	24 30	1 9	22 55	0 17	19 51	1 35	5 19	0 41	19 22	1 42
S 6	16 30	17 3	0n55	5 3	2 59	27 37	4 12	24 32	1 9	22 55	0 17	19 53	1 35	5 19	0 41	19 22	1 42
S 7	16 47	12 7	2 1	5 33	2 58	27 37	4 12	24 33	1 9	22 55	0 17	19 54	1 35	5 18	0 41	19 21	1 42
M 8	17 3	6 28	3 3	6 5	2 57	27 37	4 11	24 34	1 10	22 55	0 17	19 55	1 35	5 17	0 41	19 21	1 42
T 9	17 20	0 19	3 56	6 38	2 55	27 36	4 9	24 35	1 10	22 55	0 17	19 57	1 34	5 16	0 41	19 21	1 42
W10	17 36	6n 1	4 36	7 11	2 52	27 35	4 8	24 36	1 10	22 56	0 17	19 58	1 34	5 16	0 41	19 21	1 42
T 11	17 51	12 12	4 59	7 46	2 49	27 33	4 6	24 36	1 10	22 56	0 16	19 59	1 34	5 15	0 41	19 20	1 42
F 12	18 6	17 46	5 1	8 22	2 45	27 31	4 4	24 37	1 10	22 56	0 16	20 1	1 34	5 14	0 41	19 20	1 42
S 13	18 21	22 13	4 42	8 59	2 40	27 28	4 2	24 37	1 10	22 57	0 16	20 2	1 34	5 13	0 41	19 20	1 42
S 14	18 36	25 7	4 2	9 36	2 35	27 25	3 59	24 37	1 10	22 57	0 16	20 3	1 34	5 13	0 41	19 19	1 42
M15	18 50	26 11	3 7	10 14	2 30	27 22	3 56	24 37	1 10	22 57	0 16	20 5	1 34	5 12	0 41	19 19	1 42
T 16	19 4	25 22	2 1	10 53	2 24	27 18	3 53	24 36	1 11	22 57	0 16	20 6	1 34	5 11	0 41	19 19	1 42
W17	19 18	22 56	0 49	11 32	2 18	27 14	3 49	24 35	1 11	22 58	0 16	20 7	1 34	5 11	0 41	19 18	1 42
T 18	19 32	19 13	0s24	12 12	2 11	27 9	3 45	24 35	1 11	22 58	0 16	20 9	1 34	5 10	0 41	19 18	1 42
F 19	19 45	14 40	1 33	12 52	2 3	27 5	3 41	24 34	1 11	22 58	0 16	20 10	1 33	5 10	0 41	19 18	1 42
S 20	19 57	9 35	2 36	13 33	1 55	26 59	3 36	24 32	1 11	22 59	0 16	20 11	1 33	5 9	0 41	19 17	1 42
S 21	20 10	4 15	3 29	14 14	1 47	26 54	3 31	24 31	1 11	22 59	0 16	20 13	1 33	5 8	0 41	19 17	1 42
M22	20 22	1s 8	4 11	14 55	1 38	26 48	3 26	24 29	1 11	22 59	0 15	20 14	1 33	5 8	0 40	19 17	1 42
T 23	20 34	6 23	4 42	15 36	1 29	26 42	3 20	24 28	1 11	23 0	0 15	20 15	1 33	5 7	0 40	19 17	1 42
W24	20 45	11 21	5 0	16 17	1 20	26 35	3 13	24 26	1 11	23 0	0 15	20 16	1 33	5 7	0 40	19 16	1 42
T 25	20 56	15 52	5 5	16 57	1 10	26 28	3 6	24 24	1 11	23 1	0 15	20 18	1 33	5 6	0 40	19 16	1 42
F 26	21 6	19 47	4 57	17 37	1 0	26 21	2 59	24 21	1 11	23 1	0 15	20 19	1 33	5 6	0 40	19 16	1 42
S 27	21 17	22 55	4 36	18 17	0 49	26 13	2 52	24 19	1 12	23 1	0 15	20 20	1 33	5 5	0 40	19 15	1 42
S 28	21 27	25 3	4 3	18 56	0 39	26 5	2 43	24 16	1 12	23 2	0 15	20 21	1 33	5 5	0 40	19 15	1 42
M29	21 36	26 4	3 18	19 34	0 28	25 56	2 35	24 13	1 12	23 2	0 15	20 23	1 33	5 4	0 40	19 15	1 42
T 30	21 45	25 51	2 24	20 11	0 18	25 48	2 26	24 10	1 12	23 2	0 15	20 24	1 33	5 4	0 40	19 14	1 42
W31	21n54	24s22	1s23	20n46	0s 7	25n38	2n16	24n 7	1n12	23s 3	0n15	20n25	1s32	5s 4	0n40	19s14	1n42

Julian Day Number = 2441438.5, Delta T = 42.60 sec
 Ecliptic obliquity = 23°26'39", Nutation = 0°00'13", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 24°21'14", Lahiri = 23°28'14"

ASTRODIENST EPHEMERIS for the year 1972

geocentric

JUNE 1972

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 38 18	10II35'49	23☾35	5II48	4°R16	12☾26	6°R18	10II 3	14°R23	3°R42	29°R20	26°D46	28☾35	10II.58	16°V21	T 1
F 2	16 42 14	11°33'17	6☾13	7°59	4☾ 3	13° 4	6☾11	10°10	14☾22	3☾40	29°R20	26☾46	28°32	11° 4	16°23	F 2
S 3	16 46 11	12°30'45	19° 6	10°10	3°48	13°42	6° 5	10°18	14°21	3°39	29°19	26°48	28°29	11°11	16°26	S 3
S 4	16 50 7	13°28'12	2☾18	12°22	3°30	14°20	5°59	10°26	14°20	3°37	29°19	26°49	28°26	11°18	16°28	S 4
M 5	16 54 4	14°25'38	15°50	14°34	3°10	14°58	5°52	10°34	14°19	3°36	29°19	26°R49	28°22	11°24	16°30	M 5
T 6	16 58 1	15°23'03	29°44	16°46	2°48	15°37	5°45	10°41	14°18	3°34	29°19	26°48	28°19	11°31	16°32	T 6
W 7	17 1 57	16°20'28	14°V 0	18°58	2°24	16°15	5°39	10°49	14°17	3°32	29°19	26°46	28°16	11°38	16°34	W 7
T 8	17 5 54	17°17'52	28°37	21° 9	1°58	16°53	5°32	10°57	14°17	3°31	29°19	26°42	28°13	11°45	16°36	T 8
F 9	17 9 50	18°15'16	13☾29	23°20	1°29	17°31	5°25	11° 5	14°16	3°29	29°D19	26°37	28°10	11°51	16°39	F 9
S 10	17 13 47	19°12'39	28°30	25°29	0°59	18° 9	5°18	11°13	14°15	3°28	29°19	26°31	28° 6	11°58	16°41	S 10
S 11	17 17 43	20°10'02	13II29	27°38	0°28	18°47	5°11	11°20	14°15	3°26	29°19	26°26	28° 3	12° 5	16°42	S 11
M12	17 21 40	21° 7'24	28°19	29°45	29II55	19°25	5° 4	11°28	14°14	3°25	29°19	26°22	28° 0	12°11	16°44	M12
T 13	17 25 37	22° 4'45	12☾52	1☾50	29°20	20° 4	4°56	11°36	14°14	3°23	29°19	26°20	27°57	12°18	16°46	T 13
W14	17 29 33	23° 2'05	27° 1	3°53	28°45	20°42	4°49	11°43	14°13	3°22	29°19	26°D19	27°54	12°25	16°48	W14
T 15	17 33 30	23°59'25	10☾44	5°55	28° 8	21°20	4°42	11°51	14°13	3°20	29°19	26°20	27°51	12°32	16°50	T 15
F 16	17 37 26	24°56'43	24° 1	7°55	27°31	21°58	4°34	11°59	14°12	3°19	29°19	26°21	27°47	12°38	16°52	F 16
S 17	17 41 23	25°54'01	6☾54	9°52	26°54	22°36	4°27	12° 7	14°12	3°17	29°20	26°23	27°44	12°45	16°53	S 17
S 18	17 45 19	26°51'18	19°26	11°48	26°16	23°14	4°19	12°14	14°12	3°16	29°20	26°24	27°41	12°52	16°55	S 18
M19	17 49 16	27°48'34	1☾42	13°41	25°39	23°52	4°12	12°22	14°12	3°14	29°20	26°R24	27°38	12°58	16°57	M19
T 20	17 53 12	28°45'49	13°45	15°32	25° 2	24°30	4° 4	12°29	14°12	3°13	29°21	26°23	27°35	13° 5	16°58	T 20
W21	17 57 9	29°43'04	25°41	17°20	24°25	25° 8	3°56	12°37	14°12	3°11	29°21	26°21	27°32	13°12	17° 0	W21
T 22	18 1 6	0☾40'18	7II.34	19° 7	23°49	25°46	3°49	12°45	14°D12	3°10	29°21	26°18	27°28	13°19	17° 1	T 22
F 23	18 5 2	1°37'31	19°26	20°51	23°14	26°24	3°41	12°52	14°12	3° 9	29°22	26°14	27°25	13°25	17° 2	F 23
S 24	18 8 59	2°34'44	1☾23	22°33	22°40	27° 2	3°33	13° 0	14°12	3° 7	29°22	26°10	27°22	13°32	17° 4	S 24
S 25	18 12 55	3°31'56	13°25	24°12	22° 8	27°40	3°26	13° 7	14°12	3° 6	29°23	26° 6	27°19	13°39	17° 5	S 25
M26	18 16 52	4°29'09	25°36	25°49	21°38	28°18	3°18	13°15	14°12	3° 5	29°23	26° 4	27°16	13°46	17° 6	M26
T 27	18 20 48	5°26'20	7☾56	27°24	21° 9	28°56	3°10	13°22	14°12	3° 3	29°24	26° 2	27°12	13°52	17° 8	T 27
W28	18 24 45	6°23'32	20°27	28°56	20°42	29°34	3° 3	13°29	14°13	3° 2	29°24	26°D 1	27° 9	13°59	17° 9	W28
T 29	18 28 41	7°20'43	3☾11	0☾27	20°17	0☾12	2°55	13°37	14°13	3° 1	29°25	26° 1	27° 6	14° 6	17°10	T 29
F 30	18 32 38	8☾17'54	16☾ 7	1☾54	19II54	0☾50	2☾48	13II44	14☾13	2☾59	29°R26	26☾ 1	27☾ 3	14II.12	17°V11	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	22n 2	21s40	0s17	21n20	0n 4	25n29	2n 6	24n 3	1n12	23s 3	0n14	20n26	1s32	5s 3	0n40	19s14	1n42	15n20	16n27	20s48	20s27	19s53	8n 4	1n46			
F 2	22 10	17 54	0n51	21 53	0 14	25 19	1 56	24 0	1 12	23 4	0 14	20 27	1 32	5 3	0 40	19 14	1 42	15 19	16 27	20 48	20 28	19 55	8 5	1 46			
S 3	22 18	13 14	1 58	22 23	0 25	25 8	1 45	23 56	1 12	23 4	0 14	20 29	1 32	5 3	0 40	19 13	1 42	15 19	16 26	20 48	20 28	19 57	8 6	1 46			
S 4	22 25	7 51	3 0	22 51	0 35	24 57	1 34	23 52	1 12	23 4	0 14	20 30	1 32	5 2	0 40	19 13	1 42	15 19	16 26	20 48	20 29	19 59	8 6	1 46			
M 5	22 32	1 59	3 54	23 17	0 45	24 46	1 22	23 48	1 12	23 5	0 14	20 31	1 32	5 2	0 40	19 13	1 42	15 18	16 26	20 48	20 29	20 1	8 7	1 46			
T 6	22 39	4n 7	4 36	23 41	0 54	24 35	1 10	23 43	1 12	23 5	0 14	20 32	1 32	5 2	0 40	19 12	1 42	15 18	16 25	20 48	20 30	20 3	8 8	1 46			
W 7	22 45	10 10	5 2	24 2	1 3	24 23	0 57	23 39	1 12	23 6	0 14	20 33	1 32	5 1	0 40	19 12	1 42	15 18	16 25	20 48	20 31	20 5	8 9	1 46			
T 8	22 50	15 48	5 10	24 20	1 11	24 10	0 44	23 34	1 12	23 6	0 14	20 34	1 32	5 1	0 40	19 12	1 42	15 17	16 24	20 49	20 31	20 7	8 10	1 46			
F 9	22 55	20 36	4 57	24 36	1 19	23 57	0 31	23 29	1 12	23 7	0 13	20 35	1 32	5 1	0 40	19 12	1 42	15 17	16 24	20 50	20 32	20 9	8 11	1 46			
S 10	23 0	24 6	4 23	24 48	1 26	23 44	0 18	23 24	1 12	23 7	0 13	20 37	1 32	5 1	0 40	19 11	1 42	15 16	16 23	20 51	20 33	20 11	8 11	1 46			
S 11	23 5	25 56	3 32	24 58	1 33	23 30	0 4	23 19	1 12	23 7	0 13	20 38	1 32	5 0	0 40	19 11	1 42	15 16	16 23	20 52	20 33	20 13	8 12	1 46			
M12	23 9	25 53	2 27	25 5	1 39	23 17	0s10	23 14	1 12	23 8	0 13	20 39	1 32	5 0	0 40	19 11	1 41	15 15	16 22	20 53	20 34	20 14	8 13	1 46			
T 13	23 12	24 2	1 13	25 10	1 44	23 2	0 24	23 8	1 12	23 8	0 13	20 40	1 32	5 0	0 40	19 11	1 41	15 15	16 22	20 53	20 35	20 16	8 14	1 46			
W14	23 16	20 42	0s 4	25 11	1 48	22 48	0 38	23 2	1 12	23 9	0 13	20 41	1 32	5 0	0 40	19 10	1 41	15 14	16 21	20 53	20 35	20 18	8 14	1 46			
T 15	23 18	16 18	1 18	25 10	1 52	22 33	0 52	22 56	1 12	23 9	0 13	20 42	1 32	5 0	0 40	19 10	1 41	15 14	16 21	20 53	20 36	20 20	8 15	1 46			
F 16	23 21	11 14	2 26	25 7	1 55	22 19	1 7	22 50	1 12	23 9	0 13	20 43	1 32	5 0	0 40	19 10	1 41	15 13	16 20	20 53	20 36	20 22	8 16	1 46			
S 17	23 23	5 49	3 24	25 1	1 57	22 4	1 21	22 44	1 12	23 10	0 12	20 44	1 32	5 0	0 39	19 10	1 41	15 13	16 20	20 53	20 37	20 24	8 16	1 46			
S 18	23 24	0 20	4 11	24 53	1 58	21 49	1 35	22 38	1 12	23 10	0 12	20 45	1 32	5 0	0 39	19 9	1 41	15 12	16 19	20 53	20 38	20 26	8 17	1 46			
M19	23 26	5s 2	4 45	24 43	1 59	21 34	1 48	22 31	1 12	23 10	0 12	20 46	1 32	5 0	0 39	19 9	1 41	15 12	16 19	20 53	20 38	20 28	8 18	1 46			
T 20	23 26	10 7	5 6	24 31	1 59	21 19	2 2	22 24	1 12	23 11	0 12	20 47	1 32	5 0	0 39	19 9	1 41	15 11	16 18	20 53	20 39	20 29	8 18	1 46			
W21	23 27	14 47	5 13	24 16	1 58	21 4	2 15	22 18	1 12	23 11	0 12	20 48	1 32	5 0	0 39	19 9	1 41	15 11	16 18	20 53	20 40	20 31	8 19	1 46			
T 22	23 27	18 52	5 7	24 0	1 57	20 50	2 28	22 11	1 12	23 12	0 12	20 49	1 32	5 0	0 39	19 8	1 41	15 10	16 17	20 54	20 40	20 33	8 20	1 47			
F 23	23 26	22 13	4 48	23 43	1 55	20 36	2 41	22 3	1 12	23 12	0 12	20 50	1 32	5 0	0 39	19 8	1 41	15 9	16 17	20 54	20 41	20 35	8 20	1 47			
S 24	23 25	24 37	4 16	23 24	1 52	20 22	2 53	21 56	1 12	23 12	0 12	20 51	1 32	5 0	0 39	19 8	1 41	15 9	16 16	20 55	20 41	20 37	8 21	1 47			
S 25	23 24	25 56	3 33	23 3	1 48	20 8	3 4	21 48	1 12	23 13	0 11	20 52	1 31	5 0	0 39	19 8	1 41	15 8	16 16	20 56	20 42	20 39	8 21	1 47			
M26	23 22	26 2	2 40	22 41	1 44	19 56	3 16	21 41	1 12	23 13	0 11	20 53	1 31	5 0	0 39	19 7	1 41	15 7	16 15	20 56	20 43	20 40	8 22	1 47			
T 27	23 20	24 50	1 38	22 18	1 39	19 43	3 26	21 33	1 12	23 13	0 11	20 54	1 31	5 0	0 39	19 7	1 41	15 7	16 15	20 57	20 43	20 42	8 22	1 47			
W28	23 17	22 23	0 31	21 54	1 34	19 31	3 36	21 25	1 12	23 14	0 11	20 55	1 31	5 0	0 39	19 7	1 41	15 6	16 14	20 57	20 44	20 44	8 23	1 47			
T 29	23 14	18 49	0n39	21 29	1 28	19 20	3 46	21 17	1 12	23 14	0 11	20 56	1 31	5 0	0 39	19 7	1 41	15 5	16 14	20 57	20 45	20 46	8 23	1 47			
F 30	23n11	14s17	1n49	21n 4	1n21	19n 9	3s55	21n 9	1n12	23s14	0n11	20n56	1s31	5s 1	0n39	19s 7	1n41	15n 5	16n14	20s57	20s45	20s48	8n24	1n47			

ASTRODIENST EPHEMERIS for the year 1972

geocentric

JULY 1972

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 36 35	9 ⁵⁵ 15'06	29 ³⁸ 17	3 ²⁰ 20	19 ⁰ R33	1 ⁰ 28	2 ⁰ R40	13 ^{II} 52	14 ^{II} 14	2 ⁰ R58	29 ^{III} 26	26 ³ 3	27 ³ 0	14 ^{III} 19	17 ^{VI} 12	S 1
S 2	18 40 31	10 ⁰ 12'17	12 ^{II} 41	4 ⁰ 42	19 ^{II} 15	2 ⁰ 6	2 ³ 32	13 ⁰ 59	14 ⁰ 14	2 ⁰ 57	29 ⁰ 27	26 ⁰ 4	26 ⁰ 57	14 ⁰ 26	17 ⁰ 13	S 2
M 3	18 44 28	11 ⁰ 9'29	26 ⁰ 20	6 ⁰ 3	18 ⁰ 59	2 ⁰ 44	2 ⁰ 25	14 ⁰ 6	14 ⁰ 15	2 ⁰ 56	29 ⁰ 28	26 ⁰ 5	26 ⁰ 53	14 ⁰ 33	17 ⁰ 14	M 3
T 4	18 48 24	12 ⁰ 6'40	10 ⁰ Y15	7 ⁰ 21	18 ⁰ 45	3 ⁰ 22	2 ⁰ 17	14 ⁰ 13	14 ⁰ 16	2 ⁰ 55	29 ⁰ 29	26 ⁰ R5	26 ⁰ 50	14 ⁰ 39	17 ⁰ 15	T 4
W 5	18 52 21	13 ⁰ 3'52	24 ⁰ 24	8 ⁰ 36	18 ⁰ 34	4 ⁰ 0	2 ⁰ 10	14 ⁰ 20	14 ⁰ 16	2 ⁰ 53	29 ⁰ 29	26 ⁰ 5	26 ⁰ 47	14 ⁰ 46	17 ⁰ 16	W 5
T 6	18 56 17	14 ⁰ 1'05	8 ⁰ 45	9 ⁰ 49	18 ⁰ 25	4 ⁰ 38	2 ⁰ 2	14 ⁰ 28	14 ⁰ 17	2 ⁰ 52	29 ⁰ 30	26 ⁰ 4	26 ⁰ 44	14 ⁰ 53	17 ⁰ 16	T 6
F 7	19 0 14	14 ⁰ 58'18	23 ⁰ 16	10 ⁰ 59	18 ⁰ 19	5 ⁰ 16	1 ⁰ 55	14 ⁰ 35	14 ⁰ 18	2 ⁰ 51	29 ⁰ 31	26 ⁰ 3	26 ⁰ 41	14 ⁰ 59	17 ⁰ 17	F 7
S 8	19 4 10	15 ⁰ 55'31	7 ⁰ II52	12 ⁰ 6	18 ⁰ 15	5 ⁰ 54	1 ⁰ 48	14 ⁰ 42	14 ⁰ 19	2 ⁰ 50	29 ⁰ 32	26 ⁰ 2	26 ⁰ 38	15 ⁰ 6	17 ⁰ 18	S 8
S 9	19 8 7	16 ⁰ 52'45	22 ⁰ 27	13 ⁰ 11	18 ⁰ D13	6 ⁰ 32	1 ⁰ 41	14 ⁰ 49	14 ⁰ 19	2 ⁰ 49	29 ⁰ 33	26 ⁰ 1	26 ⁰ 34	15 ⁰ 13	17 ⁰ 18	S 9
M10	19 12 4	17 ⁰ 49'59	6 ⁰ 55	14 ⁰ 12	18 ⁰ 14	7 ⁰ 10	1 ⁰ 33	14 ⁰ 56	14 ⁰ 20	2 ⁰ 48	29 ⁰ 34	26 ⁰ 0	26 ⁰ 31	15 ⁰ 20	17 ⁰ 19	M10
T 11	19 16 0	18 ⁰ 47'13	21 ⁰ 11	15 ⁰ 11	18 ⁰ 17	7 ⁰ 48	1 ⁰ 26	15 ⁰ 3	14 ⁰ 21	2 ⁰ 47	29 ⁰ 35	26 ⁰ D0	26 ⁰ 28	15 ⁰ 26	17 ⁰ 20	T 11
W12	19 19 57	19 ⁰ 44'27	5 ⁰ 9	16 ⁰ 6	18 ⁰ 22	8 ⁰ 26	1 ⁰ 19	15 ⁰ 10	14 ⁰ 22	2 ⁰ 46	29 ⁰ 36	26 ⁰ 0	26 ⁰ 25	15 ⁰ 33	17 ⁰ 20	W12
T 13	19 23 53	20 ⁰ 41'41	18 ⁰ 47	16 ⁰ 58	18 ⁰ 29	9 ⁰ 4	1 ⁰ 13	15 ⁰ 17	14 ⁰ 24	2 ⁰ 45	29 ⁰ 37	26 ⁰ 0	26 ⁰ 22	15 ⁰ 40	17 ⁰ 20	T 13
F 14	19 27 50	21 ⁰ 38'56	2 ⁰ II9	17 ⁰ 47	18 ⁰ 39	9 ⁰ 42	1 ⁰ 6	15 ⁰ 23	14 ⁰ 25	2 ⁰ 44	29 ⁰ 38	26 ⁰ 1	26 ⁰ 18	15 ⁰ 46	17 ⁰ 21	F 14
S 15	19 31 46	22 ⁰ 36'10	14 ⁰ 56	18 ⁰ 33	18 ⁰ 50	10 ⁰ 20	0 ⁰ 59	15 ⁰ 30	14 ⁰ 26	2 ⁰ 43	29 ⁰ 39	26 ⁰ 1	26 ⁰ 15	15 ⁰ 53	17 ⁰ 21	S 15
S 16	19 35 43	23 ⁰ 33'25	27 ⁰ 31	19 ⁰ 14	19 ⁰ 4	10 ⁰ 58	0 ⁰ 52	15 ⁰ 37	14 ⁰ 27	2 ⁰ 42	29 ⁰ 40	26 ⁰ 1	26 ⁰ 12	16 ⁰ 0	17 ⁰ 21	S 16
M17	19 39 39	24 ⁰ 30'40	9 ⁰ 49	19 ⁰ 52	19 ⁰ 20	11 ⁰ 36	0 ⁰ 46	15 ⁰ 44	14 ⁰ 28	2 ⁰ 41	29 ⁰ 42	26 ⁰ 1	26 ⁰ 9	16 ⁰ 7	17 ⁰ 22	M17
T 18	19 43 36	25 ⁰ 27'55	21 ⁰ 54	20 ⁰ 26	19 ⁰ 37	12 ⁰ 14	0 ⁰ 40	15 ⁰ 50	14 ⁰ 30	2 ⁰ 41	29 ⁰ 43	26 ⁰ 1	26 ⁰ 6	16 ⁰ 13	17 ⁰ 22	T 18
W19	19 47 33	26 ⁰ 25'10	3 ⁰ III51	20 ⁰ 56	19 ⁰ 56	12 ⁰ 52	0 ⁰ 33	15 ⁰ 57	14 ⁰ 31	2 ⁰ 40	29 ⁰ 44	26 ⁰ 2	26 ⁰ 3	16 ⁰ 20	17 ⁰ 22	W19
T 20	19 51 29	27 ⁰ 22'25	15 ⁰ 44	21 ⁰ 22	20 ⁰ 17	13 ⁰ 30	0 ⁰ 27	16 ⁰ 3	14 ⁰ 33	2 ⁰ 39	29 ⁰ 45	26 ⁰ 2	25 ⁰ 59	16 ⁰ 27	17 ⁰ R22	T 20
F 21	19 55 26	28 ⁰ 19'41	27 ⁰ 38	21 ⁰ 43	20 ⁰ 40	14 ⁰ 8	0 ⁰ 21	16 ⁰ 10	14 ⁰ 34	2 ⁰ 38	29 ⁰ 47	26 ⁰ 2	25 ⁰ 56	16 ⁰ 33	17 ⁰ 22	F 21
S 22	19 59 22	29 ⁰ 16'57	9 ⁰ 736	22 ⁰ 0	21 ⁰ 5	14 ⁰ 46	0 ⁰ 15	16 ⁰ 16	14 ⁰ 36	2 ⁰ 38	29 ⁰ 48	26 ⁰ 2	25 ⁰ 53	16 ⁰ 40	17 ⁰ 22	S 22
S 23	20 3 19	0 ⁰ 14'13	21 ⁰ 44	22 ⁰ 12	21 ⁰ 31	15 ⁰ 24	0 ⁰ 9	16 ⁰ 23	14 ⁰ 37	2 ⁰ 37	29 ⁰ 49	26 ⁰ 2	25 ⁰ 50	16 ⁰ 47	17 ⁰ 22	S 23
M24	20 7 15	1 ⁰ 11'30	4 ⁰ 3	22 ⁰ 19	21 ⁰ 58	16 ⁰ 2	0 ⁰ 4	16 ⁰ 29	14 ⁰ 39	2 ⁰ 36	29 ⁰ 51	26 ⁰ 3	25 ⁰ 47	16 ⁰ 54	17 ⁰ 22	M24
T 25	20 11 12	2 ⁰ 8'47	16 ⁰ 36	22 ⁰ R21	22 ⁰ 28	16 ⁰ 40	29 ⁰ 58	16 ⁰ 35	14 ⁰ 40	2 ⁰ 36	29 ⁰ 52	26 ⁰ 3	25 ⁰ 44	17 ⁰ 0	17 ⁰ 21	T 25
W26	20 15 9	3 ⁰ 6'05	29 ⁰ 24	22 ⁰ 19	22 ⁰ 58	17 ⁰ 18	29 ⁰ 53	16 ⁰ 42	14 ⁰ 42	2 ⁰ 35	29 ⁰ 53	26 ⁰ R3	25 ⁰ 40	17 ⁰ 7	17 ⁰ 21	W26
T 27	20 19 5	4 ⁰ 3'24	12 ⁰ 28	22 ⁰ 11	23 ⁰ 30	17 ⁰ 56	29 ⁰ 48	16 ⁰ 48	14 ⁰ 44	2 ⁰ 34	29 ⁰ 55	26 ⁰ 3	25 ⁰ 37	17 ⁰ 14	17 ⁰ 21	T 27
F 28	20 23 2	5 ⁰ 0'43	25 ⁰ 48	21 ⁰ 58	24 ⁰ 4	18 ⁰ 34	29 ⁰ 43	16 ⁰ 54	14 ⁰ 46	2 ⁰ 34	29 ⁰ 56	26 ⁰ 2	25 ⁰ 34	17 ⁰ 20	17 ⁰ 20	F 28
S 29	20 26 58	5 ⁰ 58'03	9 ⁰ 722	21 ⁰ 40	24 ⁰ 38	19 ⁰ 12	29 ⁰ 38	17 ⁰ 0	14 ⁰ 48	2 ⁰ 33	29 ⁰ 58	26 ⁰ 1	25 ⁰ 31	17 ⁰ 27	17 ⁰ 20	S 29
S 30	20 30 55	6 ⁰ 55'24	23 ⁰ 8	21 ⁰ 18	25 ⁰ 14	19 ⁰ 50	29 ⁰ 33	17 ⁰ 6	14 ⁰ 50	2 ⁰ 33	29 ⁰ 59	26 ⁰ 0	25 ⁰ 28	17 ⁰ 34	17 ⁰ 20	S 30
M31	20 34 51	7 ⁰ 52'46	7 ⁰ Y5	20 ⁰ 50	25 ⁰ II51	20 ⁰ 28	29 ⁰ 28	17 ⁰ II12	14 ⁰ 52	2 ⁰ 32	0 ⁰ 1	25 ⁰ 59	25 ⁰ 24	17 ⁰ MI41	17 ⁰ Y19	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	decl	lat
S 1	23n 7	9s 1	2n53	20n37	1n14	18n59	4s 3	21n 0	1n12	23s14	0n11	20n57	1s31	5s 1	0n39	19s 6	1n41	15n 4	16n13	20s57	20s46	20s49	8n24	1n47			
S 2	23 3	3 16	3 50	20 10	1 7	18 50	4 11	20 52	1 12	23 15	0 10	20 58	1 31	5 1	0 39	19 6	1 41	15 3	16 13	20 56	20 46	20 51	8 24	1 47			
M 3	22 59	2n45	4 35	19 43	0 59	18 42	4 19	20 43	1 12	23 15	0 10	20 59	1 31	5 1	0 39	19 6	1 41	15 3	16 12	20 56	20 47	20 53	8 25	1 47			
T 4	22 54	8 43	5 4	19 15	0 50	18 34	4 25	20 34	1 12	23 15	0 10	21 0	1 31	5 2	0 39	19 6	1 41	15 2	16 12	20 56	20 48	20 55	8 25	1 47			
W 5	22 48	14 21	5 16	18 46	0 41	18 27	4 31	20 25	1 12	23 16	0 10	21 1	1 31	5 2	0 39	19 6	1 41	15 1	16 11	20 56	20 48	20 57	8 25	1 47			
T 6	22 42	19 17	5 8	18 18	0 31	18 20	4 37	20 16	1 12	23 16	0 10	21 1	1 31	5 2	0 39	19 5	1 41	15 0	16 11	20 56	20 49	20 58	8 26	1 47			
F 7	22 36	23 8	4 41	17 49	0 21	18 14	4 42	20 7	1 11	23 16	0 10	21 2	1 31	5 3	0 39	19 5	1 41	15 0	16 10	20 57	20 49	21 0	8 26	1 47			
S 8	22 30	25 30	3 56	17 20	0 11	18 10	4 47	19 57	1 11	23 16	0 10	21 3	1 31	5 3	0 39	19 5	1 41	14 59	16 10	20 57	20 50	21 2	8 26	1 47			
S 9	22 23	26 9	2 55	16 52	0s 0	18 5	4 51	19 48	1 11	23 17	0 9	21 4	1 31	5 3	0 39	19 5	1 41	14 58	16 9	20 57	20 51	21 4	8 27	1 47			
M10	22 15	24 59	1 44	16 23	0 12	18 2	4 55	19 38	1 11	23 17	0 9	21 5	1 32	5 4	0 39	19 5	1 41	14 57	16 9	20 57	20 51	21 5	8 27	1 47			
T 11	22 8	22 13	0 27	15 55	0 23	17 59	4 58	19 28	1 11	23 17	0 9	21 5	1 32	5 4	0 39	19 5	1 40	14 56	16 8	20 57	20 52	21 7	8 27	1 47			
W12	21 59	18 10	0s51	15 27	0 36	17 56	5 1	19 18	1 11	23 17	0 9	21 6	1 32	5 5	0 38	19 4	1 40	14 56	16 8	20 57	20 52	21 9	8 27	1 47			
T 13	21 51	13 15	2 3	14 59	0 48	17 54	5 3	19 8	1 11	23 17	0 9	21 7	1 32	5 5	0 38	19 4	1 40	14 55	16 8	20 57	20 53	21 11	8 28	1 47			
F 14	21 42	7 51	3 7	14 32	1 1	17 53	5 5	18 58	1 11	23 18	0 9	21 8	1 32	5 6	0 38	19 4	1 40	14 54	16 7	20 57	20 54	21 12	8 28	1 47			
S 15	21 33	2 15	3 59	14 6	1 14	17 53	5 7	18 47	1 11	23 18	0 9	21 8	1 32	5 6	0 38	19 4	1 40	14 53	16 7	20 57	20 54	21 14	8 28	1 47			
S 16	21 23	3s16	4 39	13 41	1 27	17 53	5 8	18 37	1 11	23 18	0 8	21 9	1 32	5 7	0 38	19 4	1 40	14 52	16 6	20 57	20 55	21 16	8 28	1 47			
M17	21 13	8 33	5 4	13 16	1 40	17 53	5 9	18 26	1 11	23 18	0 8	21 10	1 32	5 7	0 38	19 4	1 40	14 51	16 6	20 57	20 55	21 17	8 28	1 47			
T 18	21 3	13 25	5 16	12 53	1 54	17 54	5 9	18 16	1 11	23 18	0 8	21 10	1 32	5 8	0 38	19 4	1 40	14 51	16 5	20 57	20 56	21 19	8 28	1 47			
W19	20 52	17 43	5 14	12 30	2 8	17 55	5 10	18 5	1 10	23 19	0 8	21 11	1 32	5 8	0 38	19 4	1 40	14 50	16 5	20 57	20 57	21 21	8 28	1 47			
T 20	20 41	21 18	4 58	12 9	2 21	17 57	5 10	17 54	1 10	23 19	0 8	21 12	1 32	5 9	0 38	19 3	1 40	14 49	16 5	20 57	20 57	21 22	8 28	1 47			
F 21	20 30	24 1	4 30	11 49	2 35	17 59	5 9	17 43	1 10	23 19	0 8	21 12	1 32	5 9	0 38	19 3	1 40	14 48	16 4	20 57	20 58	21 24	8 28	1 47			
S 22	20 18	25 41	3 50	11 31	2 49	18 1	5 8	17 32	1 10	23 19	0 7	21 13	1 32	5 10	0 38	19 3	1 40	14 47	16 4	20 57	20 58	21 26	8 28	1 47			
S 23	20 6	26 10	2 59	11 14	3 2	18 3	5 7	17 20	1 10	23 19	0 7	21 13	1 32	5 11	0 38	19 3	1 40	14 46	16 3	20 57	20 59	21 27	8 28	1 47			
M24	19 54	25 22	1 59	10 59	3 16	18 6	5 6	17 9	1 10	23 19	0 7	21 14	1 32	5 11	0 38	19 3	1 40	14 45	16 3	20 57	21 0	21 29	8 28	1 47			
T 25	19 41	23 17	0 52	10 46	3 29	18 9	5 5	16 57	1 10	23 20	0 7	21 15	1 32	5 12	0 38	19 3	1 40	14 44	16 3	20 57	21 0	21 31	8 28	1 47			
W26	19 28	19 59	0n19	10 35	3 41	18 13	5 3	16 46	1 10	23 20	0 7	21 15	1 32	5 13	0 38	19 3	1 40	14 43	16 2	20 57	21 1	21 32	8 28	1 47			
T 27	19 15	15 38	1 30	10 26	3 53	18 16	5 1	16 34	1 10	23 20	0 7	21 16	1 32	5 13	0 38	19 3	1 40	14 43	16 2	20 57	21 1	21 34	8 28	1 47			
F 28	19 1	10 27	2 37	10 20	4 5	18 20	4 59	16 22	1 10	23 20	0 7	21 16	1 32	5 14	0 38	19 3	1 40	14 42	16 1	20 57	21 2	21 36	8 28	1 47			
S 29	18 47	4 42	3 37	10 15	4 15	18 23	4 57	16 10	1 9	23 20	0 6	21 17	1 32	5 15	0 38	19 3	1 40	14 41	16 1	20 57	21 3	21 37	8 28	1 47			
S 30	18 33	1n21	4 26	10 13	4 25	18 27	4 54	15 58	1 9	23 20	0 6	21 17	1 32	5 16	0 38	19 3	1 40	14 40	16 1	20 57	21 3	21 39	8 28	1 48			
M31	18n18	7n23	4n59	10n14	4s33	18n31	4s52	15n46	1n 9	23s20	0n 6	21n18	1s32	5s17	0n38	19s 3	1n39	14n39	16n 0	20s57	21s 4	21s40	8n27	1n48			

ASTRODIENST EPHEMERIS for the year 1972

geocentric

AUGUST 1972

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	20 38 48	8♌50°09	21♍10	20°R18	26♊30	21♌ 6	29°R24	17♊18	14♌54	2°R32	0♌ 2	25°R58	25♌21	17♍47	17°R18	T 1
W 2	20 42 44	9°47'33	5♈21	19♌43	27° 9	21°44	29♌20	17°23	14°56	2♌32	0° 4	25°D57	25°18	17°54	17°Y18	W 2
T 3	20 46 41	10°44'59	19°35	19° 3	27°50	22°22	29°15	17°29	14°58	2°31	0° 6	25♌57	25°15	18° 1	17°17	T 3
F 4	20 50 38	11°42'26	3♊49	18°21	28°31	23° 0	29°12	17°35	15° 0	2°31	0° 7	25°58	25°12	18° 7	17°16	F 4
S 5	20 54 34	12°39'54	18° 2	17°36	29°14	23°38	29° 8	17°40	15° 2	2°31	0° 9	25°59	25° 9	18°14	17°16	S 5
S 6	20 58 31	13°37'23	2♌11	16°50	29°57	24°16	29° 4	17°46	15° 4	2°30	0°11	26° 0	25° 5	18°21	17°15	S 6
M 7	21 2 27	14°34'54	16°12	16° 2	0♌42	24°54	29° 1	17°51	15° 7	2°30	0°12	26° 1	25° 2	18°28	17°14	M 7
T 8	21 6 24	15°32'25	0♌ 2	15°15	1°27	25°32	28°57	17°57	15° 9	2°30	0°14	26°R 1	24°59	18°34	17°13	T 8
W 9	21 10 20	16°29'58	13°40	14°29	2°13	26°10	28°54	18° 2	15°11	2°30	0°16	26° 0	24°56	18°41	17°12	W 9
T 10	21 14 17	17°27'32	27° 2	13°44	3° 0	26°48	28°51	18° 7	15°14	2°29	0°17	25°59	24°53	18°48	17°11	T 10
F 11	21 18 13	18°25'07	10♍ 8	13° 3	3°48	27°26	28°49	18°12	15°16	2°29	0°19	25°56	24°50	18°54	17°10	F 11
S 12	21 22 10	19°22'43	22°57	12°24	4°37	28° 4	28°46	18°17	15°19	2°29	0°21	25°52	24°46	19° 1	17° 9	S 12
S 13	21 26 7	20°20'20	5♌28	11°50	5°26	28°42	28°44	18°22	15°21	2°29	0°23	25°49	24°43	19° 8	17° 8	S 13
M14	21 30 3	21°17'58	17°45	11°21	6°16	29°20	28°41	18°27	15°24	2°D29	0°25	25°45	24°40	19°15	17° 7	M14
T 15	21 34 0	22°15'37	29°50	10°58	7° 7	29°58	28°39	18°32	15°26	2°29	0°27	25°42	24°37	19°21	17° 5	T 15
W16	21 37 56	23°13'17	11♍47	10°41	7°58	0♍37	28°37	18°37	15°29	2°29	0°29	25°40	24°34	19°28	17° 4	W16
T 17	21 41 53	24°10'58	23°40	10°31	8°50	1°15	28°36	18°42	15°31	2°29	0°30	25°D40	24°30	19°35	17° 3	T 17
F 18	21 45 49	25° 8'40	5♌33	10°D28	9°42	1°53	28°34	18°46	15°34	2°29	0°32	25°40	24°27	19°41	17° 1	F 18
S 19	21 49 46	26° 6'23	17°32	10°32	10°36	2°31	28°33	18°51	15°37	2°30	0°34	25°41	24°24	19°48	17° 0	S 19
S 20	21 53 42	27° 4'08	29°41	10°43	11°29	3° 9	28°32	18°55	15°40	2°30	0°36	25°43	24°21	19°55	16°58	S 20
M21	21 57 39	28° 1'53	12♌ 4	11° 3	12°24	3°47	28°31	19° 0	15°43	2°30	0°38	25°45	24°18	20° 2	16°57	M21
T 22	22 1 36	28°59'40	24°46	11°30	13°19	4°25	28°30	19° 4	15°45	2°30	0°40	25°R45	24°15	20° 8	16°55	T 22
W23	22 5 32	29°57'28	7♌48	12° 4	14°14	5° 3	28°30	19° 8	15°48	2°30	0°42	25°45	24°11	20°15	16°54	W23
T 24	22 9 29	0♍55'18	21°11	12°46	15°10	5°42	28°29	19°12	15°51	2°31	0°44	25°43	24° 8	20°22	16°52	T 24
F 25	22 13 25	1°53'08	4♈55	13°36	16° 6	6°20	28°D29	19°16	15°54	2°31	0°46	25°39	24° 5	20°28	16°50	F 25
S 26	22 17 22	2°51'00	18°56	14°32	17° 3	6°58	28°29	19°20	15°57	2°31	0°48	25°34	24° 2	20°35	16°48	S 26
S 27	22 21 18	3°48'54	3♍11	15°35	18° 1	7°36	28°30	19°24	16° 0	2°32	0°50	25°28	23°59	20°42	16°47	S 27
M28	22 25 15	4°46'50	17°33	16°45	18°59	8°14	28°30	19°28	16° 3	2°32	0°52	25°22	23°55	20°48	16°45	M28
T 29	22 29 11	5°44'47	1♌59	18° 1	19°57	8°52	28°31	19°31	16° 6	2°33	0°55	25°17	23°52	20°55	16°43	T 29
W30	22 33 8	6°42'46	16°21	19°23	20°56	9°31	28°31	19°35	16° 9	2°33	0°57	25°14	23°49	21° 2	16°41	W30
T 31	22 37 4	7♍40'47	0♊38	20♌50	21♌55	10♍ 9	28♌32	19♊38	16♌12	2♌34	0♌59	25♌12	23♌46	21♍ 9	16°Y39	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	
T 1	18n 3	13n 7	5n15	10n17	4s41	18n35	4s49	15n34	1n 9	23s21	0n 6	21n18	1s32	5s17	0n38	19s 3	1n39	14n38	16n 0	20s58	21s 4	21s42	8n27	1n48
W 2	17 48	18 12	5 12	10 22	4 47	18 39	4 46	15 21	1 9	23 21	0 6	21 19	1 32	5 18	0 38	19 3	1 39	14 37	16 0	20 58	21 5	21 44	8 27	1 48
T 3	17 33	22 16	4 50	10 30	4 51	18 43	4 43	15 9	1 9	23 21	0 6	21 19	1 32	5 19	0 38	19 3	1 39	14 36	15 59	20 58	21 5	21 45	8 27	1 48
F 4	17 17	25 0	4 10	10 40	4 54	18 47	4 40	14 56	1 9	23 21	0 6	21 20	1 32	5 20	0 38	19 3	1 39	14 35	15 59	20 58	21 6	21 47	8 27	1 48
S 5	17 1	26 8	3 15	10 52	4 55	18 50	4 36	14 43	1 8	23 21	0 5	21 20	1 33	5 21	0 38	19 3	1 39	14 34	15 59	20 57	21 7	21 48	8 26	1 48
S 6	16 44	25 33	2 8	11 7	4 55	18 54	4 33	14 31	1 8	23 21	0 5	21 21	1 33	5 22	0 38	19 3	1 39	14 33	15 58	20 57	21 7	21 50	8 26	1 48
M 7	16 28	23 21	0 54	11 23	4 52	18 58	4 29	14 18	1 8	23 21	0 5	21 21	1 33	5 23	0 37	19 3	1 39	14 32	15 58	20 57	21 8	21 52	8 26	1 48
T 8	16 11	19 47	0s22	11 41	4 48	19 1	4 25	14 5	1 8	23 21	0 5	21 21	1 33	5 23	0 37	19 3	1 39	14 31	15 58	20 57	21 8	21 53	8 25	1 48
W 9	15 54	15 12	1 36	12 0	4 42	19 4	4 21	13 52	1 8	23 22	0 5	21 22	1 33	5 24	0 37	19 3	1 39	14 30	15 57	20 57	21 9	21 55	8 25	1 48
T 10	15 36	9 57	2 42	12 20	4 34	19 7	4 17	13 39	1 8	23 22	0 5	21 22	1 33	5 25	0 37	19 3	1 39	14 29	15 57	20 57	21 9	21 56	8 25	1 48
F 11	15 19	4 23	3 39	12 41	4 24	19 10	4 13	13 25	1 8	23 22	0 5	21 23	1 33	5 26	0 37	19 3	1 39	14 28	15 57	20 58	21 10	21 58	8 24	1 48
S 12	15 1	1s14	4 23	13 2	4 13	19 13	4 9	13 12	1 7	23 22	0 4	21 23	1 33	5 27	0 37	19 3	1 39	14 27	15 56	20 59	21 11	21 59	8 24	1 48
S 13	14 43	6 40	4 54	13 23	4 0	19 15	4 5	12 59	1 7	23 22	0 4	21 23	1 33	5 28	0 37	19 3	1 39	14 26	15 56	20 59	21 11	22 1	8 23	1 48
M14	14 24	11 45	5 10	13 45	3 47	19 18	4 0	12 45	1 7	23 22	0 4	21 24	1 33	5 29	0 37	19 3	1 39	14 25	15 56	21 0	21 12	22 2	8 23	1 48
T 15	14 6	16 17	5 13	14 5	3 32	19 20	3 56	12 32	1 7	23 22	0 4	21 24	1 33	5 30	0 37	19 3	1 39	14 24	15 56	21 0	21 12	22 4	8 22	1 48
W16	13 47	20 9	5 1	14 25	3 16	19 21	3 51	12 18	1 7	23 22	0 4	21 24	1 33	5 31	0 37	19 3	1 39	14 23	15 55	21 1	21 13	22 5	8 22	1 48
T 17	13 28	23 9	4 37	14 44	2 59	19 23	3 47	12 4	1 7	23 22	0 4	21 25	1 33	5 32	0 37	19 3	1 39	14 22	15 55	21 1	21 13	22 7	8 21	1 48
F 18	13 9	25 11	4 1	15 1	2 42	19 24	3 42	11 51	1 6	23 23	0 4	21 25	1 33	5 34	0 37	19 3	1 38	14 21	15 55	21 1	21 14	22 8	8 21	1 48
S 19	12 49	26 5	3 14	15 17	2 24	19 24	3 38	11 37	1 6	23 23	0 3	21 25	1 34	5 35	0 37	19 3	1 38	14 20	15 54	21 1	21 15	22 10	8 20	1 48
S 20	12 29	25 44	2 18	15 31	2 7	19 25	3 33	11 23	1 6	23 23	0 3	21 26	1 34	5 36	0 37	19 3	1 38	14 19	15 54	21 0	21 15	22 11	8 20	1 48
M21	12 10	24 8	1 14	15 43	1 49	19 25	3 28	11 9	1 6	23 23	0 3	21 26	1 34	5 37	0 37	19 4	1 38	14 18	15 54	21 0	21 16	22 13	8 19	1 48
T 22	11 50	21 16	0 5	15 53	1 31	19 24	3 23	10 55	1 6	23 23	0 3	21 26	1 34	5 38	0 37	19 4	1 38	14 17	15 54	21 0	21 16	22 14	8 19	1 48
W23	11 29	17 16	1n 5	16 0	1 14	19 24	3 18	10 41	1 6	23 23	0 3	21 26	1 34	5 39	0 37	19 4	1 38	14 16	15 54	21 0	21 17	22 16	8 18	1 48
T 24	11 9	12 19	2 14	16 4	0 57	19 23	3 13	10 26	1 5	23 23	0 3	21 27	1 34	5 40	0 37	19 4	1 38	14 15	15 53	21 0	21 17	22 17	8 17	1 48
F 25	10 48	6 39	3 17	16 6	0 40	19 21	3 8	10 12	1 5	23 24	0 3	21 27	1 34	5 41	0 37	19 4	1 38	14 14	15 53	21 1	21 18	22 19	8 17	1 48
S 26	10 28	0 34	4 9	16 5	0 24	19 19	3 3	9 58	1 5	23 24	0 2	21 27	1 34	5 43	0 37	19 4	1 38	14 13	15 53	21 2	21 18	22 20	8 16	1 48
S 27	10 7	5n39	4 47	16 1	0 9	19 17	2 58	9 43	1 5	23 24	0 2	21 27	1 34	5 44	0 37	19 4	1 38	14 12	15 53	21 3	21 19	22 22	8 15	1 48
M28	9 46	11 37	5 7	15 54	0n 5	19 14	2 53	9 29	1 5	23 24	0 2	21 28	1 34	5 45	0 37	19 4	1 38	14 11	15 53	21 4	21 20	22 23	8 15	1 48
T 29	9 24	16 58	5 8	15 44	0 19	19 11	2 48	9 14	1 4	23 24	0 2	21 28	1 34	5 46	0 37	19 5	1 38	14 10	15 52	21 5	21 20	22 24	8 14	1 48
W30	9 3	21 20	4 49	15 31	0 32	19 8	2 43	9 0	1 4	23 24	0 2	21 28	1 34	5 47	0 37	19 5	1 38	14 9	15 52	21 6	21 21	22 26	8 13	1 48
T 31	8n41	24n24	4n13	15n15	0n44	19n 4	2s38	8n45	1n 4	23s24	0n 2	21n28	1s35	5s49	0n37	19s 5	1n38	14n 8	15n52	21s 6	21s21	22s27	8n12	1n48

Julian Day Number = 2441530.5, Delta T = 42.89 sec
 Ecliptic obliquity = 23°26'38", Nutation = 0°00'16", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 24°21'26", Lahiri = 23°28'27"

ASTRODIENST EPHEMERIS for the year 1972
geocentric

SEPTEMBER 1972

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	22 41 1	8 ^h 38'50	14 ^h 46	22 ^h 22	22 ^h 54	10 ^h 47	28 ^h 33	19 ^h 42	16 ^h 16	2 ^h 34	1 ^h 1	25 ^h D12	23 ^h 343	21 ^h 15	16 ^h R37	F 1
S 2	22 44 58	9°36'56	28°44	23°58	23°54	11°25	28°35	19°45	16°19	2°35	1° 3	25 ^h 313	23°40	21°22	16 ^h Y35	S 2
S 3	22 48 54	10°35'03	12 ^h 31	25°38	24°55	12° 4	28°36	19°48	16°22	2°36	1° 5	25°14	23°36	21°29	16°33	S 3
M 4	22 52 51	11°33'12	26° 8	27°22	25°55	12°42	28°38	19°51	16°25	2°36	1° 7	25°R15	23°33	21°35	16°31	M 4
T 5	22 56 47	12°31'23	9 ^h 33	29° 8	26°56	13°20	28°40	19°54	16°29	2°37	1°10	25°14	23°30	21°42	16°29	T 5
W 6	23 0 44	13°29'35	22°47	0 ^h 56	27°58	13°59	28°42	19°57	16°32	2°38	1°12	25°11	23°27	21°49	16°27	W 6
T 7	23 4 40	14°27'50	5 ^h 49	2°47	28°59	14°37	28°44	20° 0	16°35	2°38	1°14	25° 5	23°24	21°56	16°25	T 7
F 8	23 8 37	15°26'06	18°38	4°39	0 ^h 1	15°15	28°47	20° 3	16°39	2°39	1°16	24°58	23°21	22° 2	16°22	F 8
S 9	23 12 33	16°24'24	1 ^h 15	6°32	1° 4	15°54	28°49	20° 5	16°42	2°40	1°18	24°49	23°17	22° 9	16°20	S 9
S 10	23 16 30	17°22'44	13°39	8°26	2° 6	16°32	28°52	20° 8	16°45	2°41	1°21	24°39	23°14	22°16	16°18	S 10
M11	23 20 27	18°21'05	25°51	10°20	3° 9	17°10	28°55	20°10	16°49	2°42	1°23	24°30	23°11	22°22	16°15	M11
T 12	23 24 23	19°19'29	7 ^h 15	12°14	4°13	17°49	28°58	20°12	16°52	2°43	1°25	24°21	23° 8	22°29	16°13	T 12
W13	23 28 20	20°17'53	19°47	14° 9	5°16	18°27	29° 2	20°15	16°56	2°44	1°27	24°15	23° 5	22°36	16°11	W13
T 14	23 32 16	21°16'20	1 ^h 38	16° 3	6°20	19° 6	29° 5	20°17	16°59	2°45	1°29	24°10	23° 1	22°42	16° 8	T 14
F 15	23 36 13	22°14'48	13°29	17°57	7°24	19°44	29° 9	20°19	17° 3	2°46	1°32	24° 8	22°58	22°49	16° 6	F 15
S 16	23 40 9	23°13'18	25°25	19°50	8°29	20°22	29°13	20°21	17° 6	2°47	1°34	24°D 8	22°55	22°56	16° 4	S 16
S 17	23 44 6	24°11'49	7 ^h 32	21°43	9°33	21° 1	29°17	20°22	17°10	2°48	1°36	24° 8	22°52	23° 3	16° 1	S 17
M18	23 48 2	25°10'23	19°55	23°34	10°38	21°39	29°21	20°24	17°13	2°49	1°39	24°R 9	22°49	23° 9	15°59	M18
T 19	23 51 59	26° 8'57	2 ^h 39	25°25	11°43	22°18	29°26	20°26	17°17	2°50	1°41	24° 9	22°46	23°16	15°56	T 19
W20	23 55 56	27° 7'34	15°46	27°16	12°49	22°56	29°30	20°27	17°21	2°51	1°43	24° 7	22°42	23°23	15°54	W20
T 21	23 59 52	28° 6'12	29°20	29° 5	13°54	23°35	29°35	20°28	17°24	2°52	1°45	24° 2	22°39	23°29	15°51	T 21
F 22	0 3 49	29° 4'52	13 ^h 21	0 ^h 53	15° 0	24°13	29°40	20°30	17°28	2°53	1°48	23°55	22°36	23°36	15°48	F 22
S 23	0 7 45	0 ^h 33	27°44	2°41	16° 6	24°52	29°45	20°31	17°31	2°55	1°50	23°46	22°33	23°43	15°46	S 23
S 24	0 11 42	1° 2'17	12 ^h Y24	4°27	17°12	25°31	29°50	20°32	17°35	2°56	1°52	23°36	22°30	23°49	15°43	S 24
M25	0 15 38	2° 1'03	27°14	6°13	18°19	26° 9	29°56	20°33	17°39	2°57	1°54	23°26	22°27	23°56	15°41	M25
T 26	0 19 35	2°59'51	12 ^h 5	7°57	19°26	26°48	0 ^h 1	20°33	17°42	2°58	1°57	23°17	22°23	24° 3	15°38	T 26
W27	0 23 31	3°58'41	26°49	9°41	20°33	27°26	0° 7	20°34	17°46	3° 0	1°59	23°10	22°20	24°10	15°35	W27
T 28	0 27 28	4°57'34	11 ^h 19	11°23	21°40	28° 5	0°13	20°35	17°50	3° 1	2° 1	23° 6	22°17	24°16	15°33	T 28
F 29	0 31 25	5°56'29	25°32	13° 5	22°47	28°44	0°19	20°35	17°54	3° 3	2° 4	23° 4	22°14	24°23	15°30	F 29
S 30	0 35 21	6 ^h 55'26	9 ^h 27	14 ^h 46	23 ^h 55	29 ^h 22	0 ^h 25	20 ^h 35	17 ^h 57	3 ^h 4	2 ^h 6	23°D 3	22 ^h 311	24 ^h 130	15 ^h Y27	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	8n20	25n54	3n21	14n55	0n55	18n59	2s33	8n30	1n 4	23s24	0n 2	21n28	1s35	5s50	0n37	19s 5	1n38	14n 7	15n52	21s 6	21s22	22s29	8n12	1n48				
S 2	7 58	25 45	2 18	14 33	1 4	18 54	2 28	8 16	1 4	23 25	0 2	21 28	1 35	5 51	0 37	19 5	1 38	14 6	15 52	21 6	21 22	22 30	8 11	1 48				
S 3	7 36	23 59	1 8	14 7	1 13	18 49	2 23	8 1	1 3	23 25	0 1	21 29	1 35	5 52	0 37	19 5	1 38	14 5	15 52	21 6	21 23	22 32	8 10	1 48				
M 4	7 14	20 51	0s 5	13 39	1 21	18 43	2 17	7 46	1 3	23 25	0 1	21 29	1 35	5 54	0 37	19 6	1 37	14 5	15 51	21 5	21 23	22 33	8 9	1 48				
T 5	6 52	16 38	1 16	13 9	1 28	18 37	2 12	7 31	1 3	23 25	0 1	21 29	1 35	5 55	0 37	19 6	1 37	14 4	15 51	21 6	21 24	22 34	8 8	1 48				
W 6	6 29	11 41	2 23	12 36	1 33	18 30	2 7	7 16	1 3	23 25	0 1	21 29	1 35	5 56	0 37	19 6	1 37	14 3	15 51	21 6	21 24	22 36	8 8	1 48				
T 7	6 7	6 16	3 20	12 1	1 38	18 22	2 2	7 1	1 2	23 25	0 1	21 29	1 35	5 57	0 37	19 6	1 37	14 2	15 51	21 7	21 25	22 37	8 7	1 48				
F 8	5 45	0 42	4 7	11 23	1 42	18 15	1 57	6 46	1 2	23 25	0 1	21 29	1 35	5 59	0 37	19 6	1 37	14 1	15 51	21 9	21 26	22 38	8 6	1 48				
S 9	5 22	4s47	4 40	10 44	1 45	18 6	1 52	6 31	1 2	23 26	0 1	21 29	1 35	6 0	0 37	19 7	1 37	14 0	15 51	21 10	21 26	22 40	8 5	1 48				
S 10	4 59	9 59	5 0	10 4	1 47	17 58	1 47	6 16	1 2	23 26	0 1	21 29	1 36	6 1	0 37	19 7	1 37	13 59	15 51	21 12	21 27	22 41	8 4	1 48				
M11	4 36	14 43	5 5	9 22	1 48	17 49	1 42	6 1	1 2	23 26	0 0	21 29	1 36	6 3	0 37	19 7	1 37	13 58	15 51	21 14	21 27	22 42	8 3	1 48				
T 12	4 14	18 49	4 57	8 38	1 48	17 39	1 36	5 46	1 1	23 26	0 0	21 29	1 36	6 4	0 36	19 7	1 37	13 57	15 51	21 15	21 28	22 44	8 2	1 48				
W13	3 51	22 7	4 36	7 54	1 48	17 29	1 31	5 30	1 1	23 26	0 0	21 30	1 36	6 5	0 36	19 7	1 37	13 56	15 51	21 16	21 28	22 45	8 1	1 48				
T 14	3 28	24 27	4 3	7 9	1 47	17 18	1 26	5 15	1 1	23 26	0 0	21 30	1 36	6 7	0 36	19 8	1 37	13 55	15 51	21 17	21 29	22 46	8 0	1 48				
F 15	3 5	25 43	3 20	6 23	1 46	17 7	1 21	5 0	1 1	23 27	0s 0	21 30	1 36	6 8	0 36	19 8	1 37	13 54	15 51	21 17	21 29	22 48	7 59	1 48				
S 16	2 41	25 49	2 27	5 37	1 43	16 55	1 16	4 44	1 0	23 27	0 0	21 30	1 36	6 10	0 36	19 8	1 37	13 53	15 51	21 17	21 30	22 49	7 58	1 48				
S 17	2 18	24 41	1 28	4 50	1 41	16 43	1 11	4 29	1 0	23 27	0 0	21 30	1 36	6 11	0 36	19 8	1 37	13 52	15 50	21 17	21 30	22 50	7 57	1 48				
M18	1 55	22 20	0 23	4 3	1 38	16 30	1 6	4 14	1 0	23 27	0 0	21 30	1 36	6 12	0 36	19 9	1 37	13 51	15 50	21 17	21 31	22 52	7 56	1 47				
T 19	1 32	18 50	0n45	3 15	1 34	16 17	1 1	3 58	1 0	23 27	0 1	21 30	1 36	6 14	0 36	19 9	1 37	13 50	15 50	21 17	21 31	22 53	7 55	1 47				
W20	1 9	14 19	1 53	2 28	1 30	16 4	0 57	3 43	0 59	23 27	0 1	21 30	1 37	6 15	0 36	19 9	1 37	13 49	15 50	21 18	21 32	22 54	7 54	1 47				
T 21	0 45	8 58	2 56	1 40	1 25	15 50	0 52	3 27	0 59	23 27	0 1	21 30	1 37	6 16	0 36	19 10	1 37	13 49	15 50	21 18	21 32	22 56	7 53	1 47				
F 22	0 22	3 0	3 50	0 53	1 21	15 35	0 47	3 12	0 59	23 27	0 1	21 30	1 37	6 18	0 36	19 10	1 36	13 48	15 50	21 20	21 33	22 57	7 52	1 47				
S 23	0s 1	3n15	4 32	0 6	1 16	15 20	0 42	2 56	0 59	23 28	0 1	21 30	1 37	6 19	0 36	19 10	1 36	13 47	15 50	21 21	21 33	22 58	7 51	1 47				
S 24	0 25	9 27	4 57	0s42	1 10	15 5	0 38	2 41	0 58	23 28	0 1	21 30	1 37	6 21	0 36	19 10	1 36	13 46	15 51	21 23	21 34	22 59	7 50	1 47				
M25	0 48	15 10	5 2	1 29	1 5	14 49	0 33	2 25	0 58	23 28	0 1	21 30	1 37	6 22	0 36	19 11	1 36	13 45	15 51	21 25	21 35	23 1	7 49	1 47				
T 26	1 12	20 0	4 46	2 15	0 59	14 33	0 28	2 9	0 58	23 28	0 1	21 30	1 37	6 23	0 36	19 11	1 36	13 44	15 51	21 26	21 35	23 2	7 48	1 47				
W27	1 35	23 32	4 12	3 2	0 53	14 16	0 24	1 54	0 57	23 28	0 1	21 30	1 37	6 25	0 36	19 11	1 36	13 43	15 51	21 27	21 36	23 3	7 47	1 47				
T 28	1 58	25 29	3 22	3 48	0 47	13 59	0 19	1 38	0 57	23 28	0 2	21 29	1 37	6 26	0 36	19 12	1 36	13 43	15 51	21 28	21 36	23 4	7 46	1 47				
F 29	2 22	25 42	2 20	4 33	0 40	13 51	0 15	1 23	0 57	23 28	0 2	21 29	1 37	6 28	0 36	19 12	1 36	13 42	15 51	21 28	21 37	23 6	7 45	1 47				
S 30	2s45	24n18	1n12	5s18	0n34	13n23	0s10	1n 7	0n57	23s28	0s 2	21n29	1s38	6s29	0n36	19s12	1n36	13n41	15n51	21s28	21s37	23s 7	7n44	1n47				

ASTRODIENST EPHEMERIS for the year 1972
geocentric

OCTOBER 1972

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 39 18	7♂54°25	23♂ 4	16♂26	25♂ 3	0♂ 1	0♂32	20♂36	18♂ 1	3♂ 5	2♂ 8	23♂R 4	22♂ 7	24♂36	15♂R25	S 1
M 2	0 43 14	8°53'27	6♂24	18° 5	26°11	0°40	0°38	20°36	18° 5	3° 7	2°10	23♂ 3	22° 4	24°43	15♂Y22	M 2
T 3	0 47 11	9°52'31	19°30	19°44	27°19	1°18	0°45	20°R36	18° 8	3° 8	2°13	23° 1	22° 1	24°50	15°19	T 3
W 4	0 51 7	10°51'38	2♂24	21°21	28°27	1°57	0°52	20°36	18°12	3°10	2°15	22°55	21°58	24°56	15°17	W 4
T 5	0 55 4	11°50'46	15° 6	22°58	29°36	2°36	0°59	20°36	18°16	3°12	2°17	22°47	21°55	25° 3	15°14	T 5
F 6	0 59 0	12°49'57	27°38	24°34	0♂44	3°15	1° 6	20°35	18°20	3°13	2°19	22°36	21°52	25°10	15°11	F 6
S 7	1 2 57	13°49'09	10♂ 0	26° 9	1°53	3°54	1°13	20°35	18°24	3°15	2°22	22°23	21°48	25°17	15° 8	S 7
S 8	1 6 54	14°48'24	22°13	27°43	3° 2	4°32	1°20	20°34	18°27	3°16	2°24	22° 9	21°45	25°23	15° 6	S 8
M 9	1 10 50	15°47'41	4♂17	29°17	4°11	5°11	1°28	20°34	18°31	3°18	2°26	21°55	21°42	25°30	15° 3	M 9
T 10	1 14 47	16°47'00	16°14	0♂50	5°21	5°50	1°36	20°33	18°35	3°20	2°28	21°42	21°39	25°37	15° 0	T 10
W11	1 18 43	17°46'21	28° 6	2°22	6°30	6°29	1°43	20°32	18°39	3°21	2°31	21°32	21°36	25°43	14°57	W11
T 12	1 22 40	18°45'44	9♂47	3°53	7°40	7° 8	1°51	20°31	18°42	3°23	2°33	21°24	21°32	25°50	14°55	T 12
F 13	1 26 36	19°45'08	21°43	5°24	8°49	7°47	2° 0	20°30	18°46	3°25	2°35	21°19	21°29	25°57	14°52	F 13
S 14	1 30 33	20°44'35	3♂37	6°54	9°59	8°26	2° 8	20°29	18°50	3°27	2°37	21°17	21°26	26° 3	14°49	S 14
S 15	1 34 29	21°44'03	15°41	8°23	11° 9	9° 5	2°16	20°27	18°54	3°28	2°39	21°16	21°23	26°10	14°47	S 15
M16	1 38 26	22°43'33	28° 0	9°51	12°19	9°44	2°25	20°26	18°58	3°30	2°42	21°16	21°20	26°17	14°44	M16
T 17	1 42 23	23°43'04	10♂39	11°19	13°30	10°23	2°33	20°25	19° 1	3°32	2°44	21°16	21°17	26°24	14°41	T 17
W18	1 46 19	24°42'38	23°44	12°46	14°40	11° 2	2°42	20°23	19° 5	3°34	2°46	21°13	21°13	26°30	14°39	W18
T 19	1 50 16	25°42'13	7♂17	14°12	15°51	11°41	2°51	20°21	19° 9	3°36	2°48	21° 9	21°10	26°37	14°36	T 19
F 20	1 54 12	26°41'50	21°21	15°38	17° 1	12°20	3° 0	20°19	19°13	3°38	2°50	21° 1	21° 7	26°44	14°33	F 20
S 21	1 58 9	27°41'28	5♂53	17° 2	18°12	12°59	3° 9	20°17	19°16	3°39	2°52	20°51	21° 4	26°50	14°31	S 21
S 22	2 2 5	28°41'09	20°47	18°26	19°23	13°38	3°18	20°15	19°20	3°41	2°54	20°40	21° 1	26°57	14°28	S 22
M23	2 6 2	29°40'52	5♂56	19°49	20°34	14°17	3°28	20°13	19°24	3°43	2°57	20°29	20°58	27° 4	14°25	M23
T 24	2 9 58	0♂40'36	21° 9	21°11	21°45	14°56	3°37	20°11	19°28	3°45	2°59	20°19	20°54	27°10	14°23	T 24
W25	2 13 55	1°40'23	6♂15	22°32	22°57	15°35	3°47	20° 9	19°31	3°47	3° 1	20°11	20°51	27°17	14°20	W25
T 26	2 17 51	2°40'12	21° 4	23°52	24° 8	16°15	3°57	20° 6	19°35	3°49	3° 3	20° 6	20°48	27°24	14°18	T 26
F 27	2 21 48	3°40'03	5♂32	25°11	25°20	16°54	4° 7	20° 4	19°39	3°51	3° 5	20° 3	20°45	27°31	14°15	F 27
S 28	2 25 45	4°39'57	19°36	26°29	26°31	17°33	4°16	20° 1	19°43	3°53	3° 7	20°D 2	20°42	27°37	14°13	S 28
S 29	2 29 41	5°39'52	3♂15	27°45	27°43	18°12	4°27	19°58	19°46	3°55	3° 9	20°R 2	20°38	27°44	14°10	S 29
M30	2 33 38	6°39'50	16°31	29° 0	28°55	18°52	4°37	19°56	19°50	3°57	3°11	20° 2	20°35	27°51	14° 8	M30
T 31	2 37 34	7♂39'50	29♂28	0♂14	0♂ 7	19♂31	4♂37	19♂53	19♂54	3♂59	3♂13	20♂ 0	20♂32	27♂57	14♂Y 5	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	3s 8	21n28	0s 0	6s 3	0n27	13n 5	0s 6	0n51	0n56	23s28	0s 2	21n29	1s38	6s31	0n36	19s13
M 2	3 32	17 33	1 10	6 47	0 20	12 46	0 2	0 36	0 56	23 28	0 2	21 29	1 38	6 32	0 36	19 13
T 3	3 55	12 50	2 15	7 31	0 13	12 27	0n 2	0 20	0 56	23 29	0 2	21 29	1 38	6 34	0 36	19 13
W 4	4 18	7 38	3 12	8 14	0 6	12 7	0 7	0 4	0 55	23 29	0 2	21 29	1 38	6 35	0 36	19 14
T 5	4 41	2 13	3 58	8 56	0s 0	11 47	0 11	0s11	0 55	23 29	0 2	21 29	1 38	6 36	0 36	19 14
F 6	5 4	3s13	4 32	9 38	0 7	11 27	0 15	0 27	0 55	23 29	0 2	21 29	1 38	6 38	0 36	19 14
S 7	5 27	8 27	4 53	10 19	0 15	11 6	0 19	0 43	0 55	23 29	0 2	21 29	1 38	6 39	0 36	19 15
S 8	5 50	13 17	5 0	11 0	0 22	10 45	0 22	0 58	0 54	23 29	0 3	21 28	1 38	6 41	0 36	19 15
M 9	6 13	17 32	4 53	11 40	0 29	10 23	0 26	1 14	0 54	23 29	0 3	21 28	1 38	6 42	0 36	19 15
T 10	6 36	21 3	4 33	12 19	0 36	10 1	0 30	1 30	0 54	23 29	0 3	21 28	1 38	6 44	0 36	19 16
W11	6 59	23 40	4 2	12 58	0 43	9 39	0 34	1 45	0 53	23 29	0 3	21 28	1 39	6 45	0 36	19 16
T 12	7 21	25 14	3 20	13 36	0 50	9 16	0 37	2 1	0 53	23 29	0 3	21 28	1 39	6 46	0 36	19 16
F 13	7 44	25 40	2 29	14 13	0 57	8 54	0 41	2 17	0 53	23 29	0 3	21 28	1 39	6 48	0 36	19 17
S 14	8 6	24 56	1 32	14 49	1 3	8 31	0 44	2 32	0 52	23 29	0 3	21 28	1 39	6 49	0 36	19 17
S 15	8 28	23 1	0 30	15 24	1 10	8 7	0 48	2 48	0 52	23 29	0 3	21 27	1 39	6 51	0 36	19 17
M16	8 50	19 59	0n36	15 59	1 17	7 43	0 51	3 4	0 52	23 29	0 3	21 27	1 39	6 52	0 36	19 18
T 17	9 13	15 57	1 41	16 33	1 24	7 19	0 54	3 19	0 51	23 29	0 3	21 27	1 39	6 54	0 36	19 18
W18	9 34	11 3	2 43	17 6	1 30	6 55	0 57	3 35	0 51	23 29	0 4	21 27	1 39	6 55	0 36	19 19
T 19	9 56	5 28	3 38	17 38	1 36	6 31	1 0	3 50	0 51	23 28	0 4	21 27	1 39	6 57	0 36	19 19
F 20	10 18	0n35	4 22	18 9	1 43	6 6	1 3	4 6	0 50	23 28	0 4	21 26	1 39	6 58	0 36	19 19
S 21	10 39	6 47	4 50	18 40	1 49	5 41	1 6	4 22	0 50	23 28	0 4	21 26	1 39	6 59	0 36	19 20
S 22	11 1	12 45	5 0	19 9	1 55	5 16	1 9	4 37	0 50	23 28	0 4	21 26	1 39	7 1	0 36	19 20
M23	11 22	18 3	4 50	19 37	2 0	4 50	1 12	4 52	0 49	23 28	0 4	21 26	1 40	7 2	0 36	19 21
T 24	11 43	22 12	4 19	20 5	2 6	4 24	1 14	5 8	0 49	23 28	0 4	21 26	1 40	7 4	0 36	19 21
W25	12 3	24 48	3 29	20 31	2 11	3 59	1 17	5 23	0 49	23 28	0 4	21 25	1 40	7 5	0 36	19 21
T 26	12 24	25 35	2 27	20 56	2 16	3 32	1 19	5 39	0 48	23 27	0 4	21 25	1 40	7 6	0 36	19 22
F 27	12 45	24 36	1 16	21 21	2 21	3 6	1 22	5 54	0 48	23 27	0 4	21 25	1 40	7 8	0 36	19 22
S 28	13 5	22 3	0 2	21 44	2 25	2 40	1 24	6 9	0 48	23 27	0 5	21 25	1 40	7 9	0 36	19 23
S 29	13 25	18 19	1s 9	22 5	2 29	2 13	1 26	6 25	0 47	23 27	0 5	21 24	1 40	7 11	0 36	19 23
M30	13 45	13 44	2 15	22 26	2 33	1 47	1 28	6 40	0 47	23 27	0 5	21 24	1 40	7 12	0 36	19 23
T 31	14s 4	8n39	3s13	22s45	2s37	1n20	1n30	6s55	0n46	23s26	0s 5	21n24	1s40	7s13	0n36	19s24

Julian Day Number = 2441591.5, Delta T = 43.08 sec
Ecliptic obliquity = 23°26'38", Nutation = 0°00'16", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 24°21'35", Lahiri = 23°28'35"

ASTRODIENST EPHEMERIS for the year 1972
geocentric

NOVEMBER 1972

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	2 41 31	8♉39°52	12♏10	1♈26	1♏19	20♏10	4♈57	19°R50	19♏57	4♈1	3♏15	19°R56	20♏29	28♏4	14°R 3	W 1
T 2	2 45 27	9°39'56	24°38	2°35	2°31	20°50	5° 8	19°II46	20° 1	4° 4	3°17	19°R48	20°26	28°11	14°R 0	T 2
F 3	2 49 24	10°40'02	6♏55	3°43	3°44	21°29	5°18	19°43	20° 4	4° 6	3°19	19°38	20°23	28°17	13°58	F 3
S 4	2 53 20	11°40'11	19° 5	4°48	4°56	22° 8	5°29	19°40	20° 8	4° 8	3°20	19°26	20°19	28°24	13°56	S 4
S 5	2 57 17	12°40'21	1♏ 7	5°51	6° 8	22°48	5°40	19°37	20°12	4°10	3°22	19°13	20°16	28°31	13°53	S 5
M 6	3 1 14	13°40'33	13° 4	6°51	7°21	23°27	5°51	19°33	20°15	4°12	3°24	19° 0	20°13	28°37	13°51	M 6
T 7	3 5 10	14°40'47	24°56	7°48	8°33	24° 7	6° 2	19°30	20°19	4°14	3°26	18°48	20°10	28°44	13°49	T 7
W 8	3 9 7	15°41'02	6♏46	8°41	9°46	24°46	6°13	19°26	20°22	4°16	3°28	18°39	20° 7	28°51	13°46	W 8
T 9	3 13 3	16°41'20	18°34	9°29	10°59	25°26	6°24	19°22	20°26	4°18	3°30	18°32	20° 4	28°58	13°44	T 9
F 10	3 17 0	17°41'39	0♏24	10°14	12°12	26° 5	6°35	19°19	20°29	4°21	3°31	18°27	20° 0	29° 4	13°42	F 10
S 11	3 20 56	18°41'59	12°19	10°53	13°25	26°45	6°47	19°15	20°33	4°23	3°33	18°25	19°57	29°11	13°40	S 11
S 12	3 24 53	19°42'21	24°23	11°26	14°38	27°24	6°58	19°11	20°36	4°25	3°35	18°D25	19°54	29°18	13°38	S 12
M13	3 28 49	20°42'45	6♏40	11°53	15°51	28° 4	7°10	19° 7	20°40	4°27	3°37	18°26	19°51	29°24	13°36	M13
T 14	3 32 46	21°43'10	19°15	12°12	17° 4	28°44	7°21	19° 3	20°43	4°29	3°38	18°R27	19°48	29°31	13°34	T 14
W15	3 36 43	22°43'36	2♏14	12°24	18°17	29°23	7°33	18°59	20°46	4°32	3°40	18°26	19°44	29°38	13°32	W15
T 16	3 40 39	23°44'03	15°39	12°R27	19°30	0♏ 3	7°45	18°54	20°50	4°34	3°42	18°24	19°41	29°44	13°30	T 16
F 17	3 44 36	24°44'32	29°34	12°21	20°44	0°43	7°57	18°50	20°53	4°36	3°43	18°20	19°38	29°51	13°28	F 17
S 18	3 48 32	25°45'02	13°V59	12° 5	21°57	1°22	8° 9	18°46	20°56	4°38	3°45	18°13	19°35	29°58	13°26	S 18
S 19	3 52 29	26°45'33	28°49	11°39	23°11	2° 2	8°21	18°42	21° 0	4°41	3°46	18° 5	19°32	0♏ 4	13°24	S 19
M20	3 56 25	27°46'06	13♏59	11° 2	24°24	2°42	8°33	18°37	21° 3	4°43	3°48	17°57	19°29	0°11	13°23	M20
T 21	4 0 22	28°46'40	29°19	10°14	25°38	3°21	8°45	18°33	21° 6	4°45	3°49	17°50	19°25	0°18	13°21	T 21
W22	4 4 18	29°47'16	14♏36	9°17	26°51	4° 1	8°57	18°28	21° 9	4°47	3°51	17°44	19°22	0°25	13°19	W22
T 23	4 8 15	0♏47'53	29°41	8°11	28° 5	4°41	9° 9	18°24	21°12	4°50	3°52	17°41	19°19	0°31	13°18	T 23
F 24	4 12 12	1°48'32	14♏25	6°57	29°19	5°21	9°22	18°19	21°15	4°52	3°54	17°D39	19°16	0°38	13°16	F 24
S 25	4 16 8	2°49'12	28°43	5°38	0♏33	6° 1	9°34	18°14	21°19	4°54	3°55	17°40	19°13	0°45	13°14	S 25
S 26	4 20 5	3°49'54	12♏33	4°17	1°47	6°41	9°47	18°10	21°22	4°56	3°57	17°41	19°10	0°51	13°13	S 26
M27	4 24 1	4°50'38	25°57	2°54	3° 0	7°21	9°59	18° 5	21°25	4°59	3°58	17°42	19° 6	0°58	13°11	M27
T 28	4 27 58	5°51'23	8♏57	1°35	4°14	8° 1	10°12	18° 0	21°28	5° 1	3°59	17°R43	19° 3	1° 5	13°10	T 28
W29	4 31 54	6°52'10	21°36	0°21	5°28	8°41	10°25	17°55	21°31	5° 3	4° 1	17°41	19° 0	1°11	13° 9	W29
T 30	4 35 51	7♏52'58	3♏58	29♏14	6♏43	9♏21	10°37	17°II51	21♏33	5♏ 5	4♏ 2	17°38	18°357	1♏18	13°V 7	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	14s24	3n19	3s59	23s 3	2s40	0n53	1n32	7s10	0n46	23s26	0s 5	21n23	1s40	7s15	0n36	19s24	1n35	13n20	15n58	21s58	21s53	23s43	7n 8	1n44	
T 2	14 43	2s 3	4 34	23 20	2 42	0 26	1 34	7 26	0 46	23 26	0 5	21 23	1 40	7 16	0 36	19 25	1 35	13 19	15 58	21 59	21 53	23 44	7 7	1 44	
F 3	15 2	7 15	4 54	23 36	2 45	0s 1	1 35	7 41	0 45	23 25	0 5	21 23	1 40	7 17	0 36	19 25	1 35	13 19	15 58	22 0	21 54	23 45	7 6	1 44	
S 4	15 20	12 7	5 2	23 49	2 46	0 28	1 37	7 56	0 45	23 25	0 5	21 23	1 40	7 19	0 36	19 25	1 35	13 19	15 59	22 2	21 54	23 46	7 5	1 44	
S 5	15 39	16 28	4 55	24 2	2 47	0 56	1 39	8 11	0 45	23 25	0 5	21 22	1 40	7 20	0 36	19 26	1 35	13 18	15 59	22 4	21 55	23 47	7 4	1 44	
M 6	15 57	20 9	4 36	24 13	2 48	1 23	1 40	8 26	0 44	23 24	0 5	21 22	1 40	7 21	0 36	19 26	1 35	13 18	15 59	22 6	21 55	23 47	7 3	1 44	
T 7	16 15	22 58	4 5	24 22	2 48	1 50	1 41	8 40	0 44	23 24	0 5	21 22	1 40	7 23	0 36	19 27	1 35	13 17	16 0	22 7	21 56	23 48	7 2	1 43	
W 8	16 32	24 47	3 23	24 30	2 47	2 18	1 43	8 55	0 43	23 23	0 6	21 21	1 40	7 24	0 36	19 27	1 35	13 17	16 0	22 9	21 56	23 49	7 1	1 43	
T 9	16 50	25 29	2 32	24 36	2 45	2 45	1 44	9 10	0 43	23 23	0 6	21 21	1 40	7 25	0 36	19 27	1 35	13 17	16 0	22 10	21 57	23 50	7 0	1 43	
F 10	17 7	25 1	1 35	24 40	2 42	3 13	1 45	9 25	0 43	23 23	0 6	21 21	1 40	7 27	0 36	19 28	1 35	13 16	16 1	22 10	21 57	23 51	6 59	1 43	
S 11	17 23	23 25	0 33	24 42	2 38	3 40	1 46	9 40	0 42	23 22	0 6	21 20	1 40	7 28	0 36	19 28	1 35	13 16	16 1	22 11	21 58	23 52	6 58	1 43	
S 12	17 40	20 43	0n32	24 42	2 34	4 7	1 47	9 54	0 42	23 22	0 6	21 20	1 40	7 29	0 36	19 29	1 35	13 16	16 2	22 11	21 58	23 53	6 58	1 43	
M13	17 56	17 3	1 36	24 40	2 28	4 35	1 48	10 9	0 41	23 21	0 6	21 20	1 40	7 31	0 36	19 29	1 35	13 15	16 2	22 10	21 59	23 54	6 57	1 43	
T 14	18 12	12 33	2 38	24 35	2 21	5 2	1 48	10 23	0 41	23 20	0 6	21 19	1 40	7 32	0 36	19 30	1 35	13 15	16 2	22 10	21 59	23 55	6 56	1 43	
W15	18 27	7 22	3 33	24 28	2 12	5 29	1 49	10 38	0 41	23 20	0 6	21 19	1 40	7 33	0 36	19 30	1 35	13 15	16 3	22 10	21 59	23 56	6 55	1 42	
T 16	18 43	1 41	4 18	24 19	2 2	5 57	1 50	10 52	0 40	23 19	0 6	21 19	1 40	7 34	0 36	19 30	1 35	13 15	16 3	22 11	22 0	23 57	6 54	1 42	
F 17	18 57	4n16	4 51	24 7	1 51	6 24	1 50	11 6	0 40	23 19	0 6	21 18	1 40	7 36	0 36	19 31	1 35	13 14	16 4	22 11	22 0	23 58	6 53	1 42	
S 18	19 12	10 12	5 6	23 52	1 38	6 51	1 50	11 20	0 39	23 18	0 6	21 18	1 40	7 37	0 36	19 31	1 35	13 14	16 4	22 12	22 1	23 59	6 52	1 42	
S 19	19 26	15 45	5 1	23 34	1 24	7 18	1 51	11 35	0 39	23 17	0 7	21 18	1 40	7 38	0 36	19 32	1 35	13 14	16 5	22 13	22 1	24 0	6 51	1 42	
M20	19 40	20 25	4 36	23 13	1 8	7 44	1 51	11 49	0 38	23 17	0 7	21 17	1 40	7 39	0 36	19 32	1 34	13 14	16 5	22 14	22 2	24 0	6 51	1 42	
T 21	19 53	23 45	3 51	22 49	0 50	8 11	1 51	12 3	0 38	23 16	0 7	21 17	1 40	7 40	0 36	19 32	1 34	13 14	16 6	22 15	22 2	24 1	6 50	1 42	
W22	20 7	25 21	2 49	22 22	0 32	8 38	1 51	12 16	0 37	23 15	0 7	21 17	1 40	7 42	0 36	19 33	1 34	13 13	16 6	22 16	22 3	24 2	6 49	1 41	
T 23	20 19	25 2	1 36	21 52	0 12	9 4	1 51	12 30	0 37	23 15	0 7	21 16	1 40	7 43	0 36	19 33	1 34	13 13	16 6	22 17	22 3	24 3	6 48	1 41	
F 24	20 32	22 57	0 18	21 20	0n 9	9 30	1 51	12 44	0 37	23 14	0 7	21 16	1 40	7 44	0 36	19 34	1 34	13 13	16 7	22 17	22 4	24 4	6 47	1 41	
S 25	20 44	19 27	1s 0	20 46	0 29	9 56	1 51	12 58	0 36	23 13	0 7	21 16	1 40	7 45	0 36	19 34	1 34	13 13	16 7	22 17	22 4	24 5	6 47	1 41	
S 26	20 55	14 57	2 11	20 12	0 49	10 22	1 50	13 11	0 36	23 12	0 7	21 15	1 40	7 46	0 36	19 35	1 34	13 13	16 8	22 16	22 4	24 6	6 46	1 41	
M27	21 6	9 51	3 12	19 37	1 9	10 48	1 50	13 25	0 35	23 11	0 7	21 15	1 40	7 47	0 36	19 35	1 34	13 13	16 8	22 16	22 5	24 6	6 45	1 41	
T 28	21 17	4 28	4 2	19 4	1 27	11 13	1 49	13 38	0 35	23 10	0 7	21 14	1 40	7 48	0 36	19 35	1 34	13 13	16 9	22 16	22 5	24 7	6 45	1 41	
W29	21 28	0s56	4 39	18 32	1 44	11 38	1 49	13 51	0 34	23 10	0 7	21 14	1 40	7 49	0 36	19 36	1 34	13 13	16 9	22 16	22 6	24 8	6 44	1 40	
T 30	21s38	6s11	5s 1	18s 4	1n58	12s 3	1n48	14s 5	0n34	23s 9	0s 8	21n14	1s40	7s51	0n36	19s36	1n34	13n13	16n10	22s17	22s 6	24s 9	6n43	1n40	

ASTRODIENST EPHEMERIS for the year 1972
geocentric

DECEMBER 1972

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
F 1	4 39 48	8♌53'47	16♋8	28°R16	7♍57	10♌1	10♌350	17°R46	21♋36	5♊8	4♋3	17°R33	18♌54	1♌25	13°R 6	F 1
S 2	4 43 44	9°54'38	28° 9	27♌29	9°11	10°41	11° 3	17♌41	21°39	5°10	4° 4	17♌27	18°50	1°31	13°Y 5	S 2
S 3	4 47 41	10°55'31	10♌4	26°54	10°25	11°21	11°16	17°36	21°42	5°12	4° 5	17°20	18°47	1°38	13° 4	S 3
M 4	4 51 37	11°56'24	21°56	26°30	11°39	12° 1	11°29	17°31	21°45	5°14	4° 7	17°13	18°44	1°45	13° 3	M 4
T 5	4 55 34	12°57'19	3♌46	26°17	12°54	12°41	11°42	17°26	21°47	5°17	4° 8	17° 6	18°41	1°52	13° 1	T 5
W 6	4 59 30	13°58'15	15°36	26°D15	14° 8	13°21	11°55	17°21	21°50	5°19	4° 9	17° 1	18°38	1°58	13° 0	W 6
T 7	5 3 27	14°59'12	27°28	26°23	15°22	14° 1	12° 8	17°16	21°53	5°21	4°10	16°57	18°35	2° 5	12°59	T 7
F 8	5 7 23	16° 0'10	9♌24	26°41	16°37	14°42	12°21	17°11	21°55	5°23	4°11	16°56	18°31	2°12	12°59	F 8
S 9	5 11 20	17° 1'09	21°27	27° 7	17°51	15°22	12°35	17° 6	21°58	5°26	4°12	16°D55	18°28	2°18	12°58	S 9
S 10	5 15 17	18° 2'09	3♌38	27°41	19° 6	16° 2	12°48	17° 1	22° 1	5°28	4°13	16°56	18°25	2°25	12°57	S 10
M 11	5 19 13	19° 3'09	16° 1	28°22	20°20	16°42	13° 1	16°56	22° 3	5°30	4°14	16°58	18°22	2°32	12°56	M 11
T 12	5 23 10	20° 4'10	28°39	29° 9	21°35	17°23	13°15	16°51	22° 5	5°32	4°15	17° 0	18°19	2°38	12°55	T 12
W 13	5 27 6	21° 5'11	11♌36	0♌2	22°49	18° 3	13°28	16°47	22° 8	5°34	4°15	17° 1	18°16	2°45	12°55	W 13
T 14	5 31 3	22° 6'13	24°55	0°59	24° 4	18°43	13°41	16°42	22°10	5°37	4°16	17°R 1	18°12	2°52	12°54	T 14
F 15	5 34 59	23° 7'15	8°Y38	2° 0	25°18	19°24	13°55	16°37	22°13	5°39	4°17	17° 1	18° 9	2°58	12°54	F 15
S 16	5 38 56	24° 8'18	22°47	3° 5	26°33	20° 4	14° 9	16°32	22°15	5°41	4°18	16°59	18° 6	3° 5	12°53	S 16
S 17	5 42 52	25° 9'21	7♌20	4°13	27°48	20°45	14°22	16°27	22°17	5°43	4°18	16°56	18° 3	3°12	12°53	S 17
M 18	5 46 49	26°10'25	22°13	5°24	29° 2	21°25	14°36	16°22	22°19	5°45	4°19	16°53	18° 0	3°18	12°52	M 18
T 19	5 50 46	27°11'29	7♌19	6°38	0♌17	22° 6	14°49	16°17	22°21	5°47	4°20	16°50	17°56	3°25	12°52	T 19
W 20	5 54 42	28°12'33	22°29	7°53	1°32	22°46	15° 3	16°12	22°23	5°50	4°20	16°48	17°53	3°32	12°52	W 20
T 21	5 58 39	29°13'38	7♌33	9°10	2°46	23°27	15°17	16° 8	22°25	5°52	4°21	16°47	17°50	3°38	12°52	T 21
F 22	6 2 35	0♌14'44	22°23	10°29	4° 1	24° 7	15°30	16° 3	22°27	5°54	4°22	16°D47	17°47	3°45	12°51	F 22
S 23	6 6 32	1°15'50	6♌50	11°50	5°16	24°48	15°44	15°58	22°29	5°56	4°22	16°48	17°44	3°52	12°51	S 23
S 24	6 10 28	2°16'56	20°52	13°12	6°31	25°28	15°58	15°54	22°31	5°58	4°23	16°49	17°41	3°59	12°D51	S 24
M 25	6 14 25	3°18'03	4♌27	14°34	7°46	26° 9	16°12	15°49	22°33	6° 0	4°23	16°50	17°37	4° 5	12°51	M 25
T 26	6 18 21	4°19'11	17°36	15°58	9° 0	26°50	16°26	15°44	22°35	6° 2	4°23	16°51	17°34	4°12	12°51	T 26
W 27	6 22 18	5°20'20	0♌20	17°23	10°15	27°30	16°39	15°40	22°37	6° 4	4°24	16°R52	17°31	4°19	12°52	W 27
T 28	6 26 15	6°21'28	12°45	18°49	11°30	28°11	16°53	15°35	22°38	6° 6	4°24	16°52	17°28	4°25	12°52	T 28
F 29	6 30 11	7°22'38	24°55	20°15	12°45	28°52	17° 7	15°31	22°40	6° 8	4°24	16°51	17°25	4°32	12°52	F 29
S 30	6 34 8	8°23'48	6♌53	21°42	14° 0	29°32	17°21	15°27	22°42	6°10	4°25	16°50	17°22	4°39	12°52	S 30
S 31	6 38 4	9♌24'58	18♌45	23♌9	15♌15	0♌13	17♌35	15♌22	22♌43	6♌12	4♌25	16♌49	17♌18	4♌45	12°Y53	S 31

Day	☉	☽		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat		
F 1	21s47	11s 7	5s10	17s39	2n11	12s28	1n47	14s18	0n33	23s 8	0s 8	21n13	1s40	7s52	0n36	19s37	1n34	13n13	16n10	22s17	22s 7	24s10	6n43	1n40											
S 2	21 56	15 34	5 5	17 18	2 21	12 52	1 47	14 31	0 33	23 7	0 8	21 13	1 40	7 53	0 36	19 37	1 34	13 13	16 11	22 18	22 7	24 11	6 42	1 40											
S 3	22 5	19 22	4 46	17 2	2 30	13 16	1 46	14 44	0 32	23 6	0 8	21 12	1 40	7 54	0 37	19 37	1 34	13 13	16 11	22 19	22 8	24 11	6 41	1 40											
M 4	22 14	22 22	4 16	16 51	2 36	13 40	1 45	14 56	0 32	23 5	0 8	21 12	1 40	7 55	0 37	19 38	1 34	13 13	16 12	22 20	22 8	24 12	6 41	1 40											
T 5	22 21	24 24	3 34	16 44	2 40	14 4	1 44	15 9	0 31	23 4	0 8	21 12	1 40	7 56	0 37	19 38	1 34	13 13	16 12	22 21	22 8	24 13	6 40	1 40											
W 6	22 29	25 22	2 43	16 41	2 42	14 27	1 43	15 22	0 31	23 3	0 8	21 11	1 40	7 57	0 37	19 39	1 34	13 13	16 13	22 22	22 9	24 14	6 40	1 39											
T 7	22 36	25 10	1 45	16 43	2 43	14 50	1 42	15 34	0 30	23 1	0 8	21 11	1 40	7 58	0 37	19 39	1 34	13 13	16 14	22 22	22 9	24 15	6 39	1 39											
F 8	22 42	23 48	0 41	16 47	2 42	15 12	1 40	15 47	0 30	23 0	0 8	21 11	1 39	7 59	0 37	19 39	1 34	13 13	16 14	22 22	22 10	24 15	6 39	1 39											
S 9	22 49	21 20	0n25	16 55	2 40	15 34	1 39	15 59	0 29	22 59	0 8	21 10	1 39	8 0	0 37	19 40	1 34	13 13	16 15	22 22	22 10	24 16	6 38	1 39											
S 10	22 54	17 53	1 30	17 6	2 37	15 56	1 38	16 11	0 29	22 58	0 8	21 10	1 39	8 0	0 37	19 40	1 34	13 13	16 15	22 22	22 11	24 17	6 38	1 39											
M11	23 0	13 36	2 33	17 19	2 33	16 17	1 36	16 23	0 28	22 57	0 8	21 9	1 39	8 1	0 37	19 40	1 34	13 13	16 16	22 22	22 11	24 18	6 37	1 39											
T 12	23 4	8 40	3 30	17 34	2 28	16 38	1 35	16 35	0 28	22 56	0 9	21 9	1 39	8 2	0 37	19 41	1 34	13 14	16 16	22 22	22 11	24 18	6 37	1 39											
W13	23 9	3 15	4 17	17 50	2 23	16 59	1 33	16 47	0 27	22 54	0 9	21 9	1 39	8 3	0 37	19 41	1 34	13 14	16 17	22 22	22 12	24 19	6 37	1 38											
T 14	23 12	2n27	4 52	18 8	2 17	17 19	1 32	16 58	0 27	22 53	0 9	21 8	1 39	8 4	0 37	19 42	1 35	13 14	16 17	22 22	22 12	24 20	6 36	1 38											
F 15	23 16	8 12	5 12	18 26	2 10	17 38	1 30	17 10	0 26	22 52	0 9	21 8	1 39	8 5	0 37	19 42	1 35	13 14	16 18	22 22	22 13	24 20	6 36	1 38											
S 16	23 19	13 42	5 13	18 46	2 3	17 57	1 28	17 21	0 26	22 50	0 9	21 8	1 39	8 6	0 37	19 42	1 35	13 14	16 18	22 22	22 13	24 21	6 36	1 38											
S 17	23 21	18 37	4 55	19 5	1 56	18 16	1 26	17 32	0 25	22 49	0 9	21 7	1 39	8 6	0 37	19 43	1 35	13 15	16 19	22 22	22 14	24 22	6 35	1 38											
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