



Astrodienst Ephemeris Tables for the year 1702

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 1702

geocentric

JANUARY 1702

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	6 40 33	10♌12'54	11♍40	17♎30	24♏43	9♐15	4♑58	21♒20	18♓13	7♙16	14♒ 2	7°D23	8♑41	17♙45	4♐39	S 1
M 2	6 44 30	11°14'05	24°23	18°17	25°52	9°52	5° 9	21°24	18♓11	7°16	14♒ 1	7♑24	8°38	17°51	4°44	M 2
T 3	6 48 26	12°15'17	6♊48	19° 9	27° 1	10°29	5°20	21°28	18° 8	7°17	14° 0	7°26	8°34	17°58	4°49	T 3
W 4	6 52 23	13°16'27	18°58	20° 5	28°10	11° 5	5°32	21°33	18° 6	7°17	13°59	7°28	8°31	18° 5	4°54	W 4
T 5	6 56 19	14°17'37	0♈58	21° 4	29°18	11°42	5°43	21°37	18° 3	7°18	13°58	7°29	8°28	18°11	4°59	T 5
F 6	7 0 16	15°18'47	12°51	22° 6	0♈27	12°19	5°55	21°41	18° 1	7°18	13°56	7°R30	8°25	18°18	5° 4	F 6
S 7	7 4 12	16°19'56	24°43	23°11	1°35	12°55	6° 7	21°45	17°58	7°19	13°55	7°29	8°22	18°25	5° 9	S 7
S 8	7 8 9	17°21'05	6♋38	24°18	2°43	13°32	6°19	21°50	17°55	7°20	13°54	7°28	8°19	18°32	5°14	S 8
M 9	7 12 5	18°22'13	18°42	25°28	3°50	14° 8	6°31	21°54	17°53	7°20	13°53	7°26	8°15	18°38	5°18	M 9
T 10	7 16 2	19°23'20	0♈57	26°40	4°58	14°45	6°43	21°59	17°50	7°21	13°51	7°23	8°12	18°45	5°23	T 10
W 11	7 19 59	20°24'27	13°28	27°54	6° 5	15°21	6°55	22° 4	17°47	7°22	13°50	7°21	8° 9	18°52	5°27	W 11
T 12	7 23 55	21°25'33	26°16	29° 9	7°12	15°58	7° 7	22° 9	17°45	7°23	13°49	7°18	8° 6	18°58	5°32	T 12
F 13	7 27 52	22°26'39	9♌22	0♌26	8°19	16°34	7°19	22°13	17°42	7°24	13°48	7°16	8° 3	19° 5	5°36	F 13
S 14	7 31 48	23°27'44	22°46	1°44	9°26	17°10	7°32	22°18	17°40	7°25	13°46	7°15	7°59	19°12	5°40	S 14
S 15	7 35 45	24°28'48	6♑26	3° 4	10°32	17°47	7°44	22°23	17°37	7°25	13°45	7°D15	7°56	19°19	5°44	S 15
M 16	7 39 41	25°29'52	20°20	4°25	11°38	18°23	7°57	22°29	17°34	7°26	13°44	7°15	7°53	19°25	5°48	M 16
T 17	7 43 38	26°30'55	4♎23	5°46	12°44	18°59	8° 9	22°34	17°32	7°27	13°42	7°16	7°50	19°32	5°52	T 17
W 18	7 47 34	27°31'58	18°34	7° 9	13°50	19°36	8°22	22°39	17°29	7°28	13°41	7°16	7°47	19°39	5°56	W 18
T 19	7 51 31	28°33'00	2♊48	8°33	14°55	20°12	8°35	22°44	17°27	7°29	13°39	7°17	7°44	19°46	5°59	T 19
F 20	7 55 28	29°34'02	17° 2	9°58	16° 0	20°48	8°47	22°50	17°24	7°31	13°38	7°18	7°40	19°52	6° 3	F 20
S 21	7 59 24	0♈35'03	1♐14	11°24	17° 5	21°24	9° 0	22°55	17°22	7°32	13°37	7°R18	7°37	19°59	6° 6	S 21
S 22	8 3 21	1°36'04	15°22	12°50	18° 9	22° 0	9°13	23° 1	17°19	7°33	13°35	7°18	7°34	20° 6	6° 9	S 22
M 23	8 7 17	2°37'04	29°24	14°17	19°14	22°36	9°26	23° 6	17°17	7°34	13°34	7°17	7°31	20°12	6°13	M 23
T 24	8 11 14	3°38'04	13♊17	15°46	20°17	23°12	9°39	23°12	17°14	7°35	13°32	7°17	7°28	20°19	6°16	T 24
W 25	8 15 10	4°39'03	27° 0	17°14	21°21	23°48	9°53	23°18	17°12	7°36	13°31	7°17	7°25	20°26	6°19	W 25
T 26	8 19 7	5°40'01	10♌31	18°44	22°24	24°24	10° 6	23°23	17° 9	7°38	13°30	7°16	7°21	20°33	6°21	T 26
F 27	8 23 3	6°40'58	23°50	20°15	23°27	25° 0	10°19	23°29	17° 7	7°39	13°28	7°16	7°18	20°39	6°24	F 27
S 28	8 27 0	7°41'55	6♏54	21°46	24°30	25°36	10°32	23°35	17° 4	7°40	13°27	7°16	7°15	20°46	6°27	S 28
S 29	8 30 57	8°42'50	19°43	23°18	25°32	26°11	10°46	23°41	17° 2	7°42	13°25	7°16	7°12	20°53	6°29	S 29
M 30	8 34 53	9°43'44	2♊17	24°50	26°34	26°47	10°59	23°47	17° 0	7°43	13°24	7°16	7° 9	20°59	6°32	M 30
T 31	8 38 50	10♈44'37	14♊38	26♌24	27♋35	27♐23	11♊13	23♋53	16♓57	7♙44	13♑23	7♑16	7♑ 5	21♙ 6	6♐34	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	23s 5	17s41	0s23	20s36	2n18	14s48	1s36	13s37	1n 2	10s44	1s 6	5s29	2s13	22n42	0n28	1n27
M 2	23 0	14 52	1 32	20 49	2 9	14 22	1 33	13 49	1 2	10 40	1 6	5 27	2 13	22 42	0 28	1 27
T 3	22 55	11 25	2 35	21 2	2 1	13 56	1 30	14 1	1 2	10 35	1 6	5 25	2 13	22 43	0 28	1 27
W 4	22 49	7 34	3 29	21 15	1 52	13 29	1 27	14 12	1 1	10 31	1 6	5 23	2 13	22 43	0 28	1 28
T 5	22 43	3 29	4 13	21 28	1 43	13 2	1 24	14 24	1 1	10 27	1 6	5 21	2 12	22 43	0 28	1 28
F 6	22 36	0n41	4 47	21 41	1 34	12 35	1 20	14 36	1 1	10 22	1 6	5 20	2 12	22 44	0 28	1 28
S 7	22 29	4 49	5 7	21 54	1 25	12 7	1 17	14 47	1 0	10 18	1 6	5 18	2 12	22 44	0 28	1 29
S 8	22 21	8 47	5 15	22 6	1 15	11 40	1 13	14 58	1 0	10 13	1 5	5 16	2 12	22 45	0 28	1 29
M 9	22 13	12 27	5 9	22 18	1 6	11 12	1 9	15 10	0 59	10 9	1 5	5 14	2 12	22 45	0 28	1 29
T 10	22 4	15 40	4 49	22 29	0 57	10 43	1 6	15 21	0 59	10 4	1 5	5 12	2 12	22 45	0 28	1 30
W 11	21 55	18 14	4 15	22 39	0 49	10 15	1 2	15 32	0 59	10 0	1 5	5 10	2 11	22 46	0 28	1 30
T 12	21 46	19 58	3 28	22 49	0 40	9 46	0 57	15 43	0 58	9 55	1 5	5 8	2 11	22 46	0 28	1 30
F 13	21 36	20 41	2 28	22 58	0 31	9 17	0 53	15 53	0 58	9 50	1 5	5 6	2 11	22 46	0 28	1 31
S 14	21 26	20 15	1 19	23 5	0 22	8 48	0 49	16 4	0 58	9 46	1 5	5 4	2 11	22 47	0 28	1 31
S 15	21 15	18 37	0 4	23 12	0 14	8 19	0 44	16 15	0 57	9 41	1 5	5 1	2 11	22 47	0 28	1 31
M 16	21 4	15 52	1n12	23 18	0 6	7 49	0 40	16 25	0 57	9 36	1 5	4 59	2 11	22 47	0 28	1 32
T 17	20 53	12 10	2 25	23 23	0s 2	7 20	0 35	16 35	0 56	9 31	1 5	4 57	2 10	22 48	0 28	1 32
W 18	20 41	7 44	3 29	23 27	0 10	6 50	0 30	16 46	0 56	9 27	1 5	4 55	2 10	22 48	0 28	1 33
T 19	20 29	2 53	4 22	23 30	0 18	6 21	0 26	16 56	0 55	9 22	1 4	4 53	2 10	22 48	0 28	1 33
F 20	20 16	2s 7	4 58	23 31	0 25	5 51	0 21	17 6	0 55	9 17	1 4	4 50	2 10	22 49	0 28	1 34
S 21	20 3	7 0	5 15	23 32	0 33	5 21	0 15	17 16	0 54	9 12	1 4	4 48	2 10	22 49	0 28	1 34
S 22	19 50	11 28	5 14	23 31	0 40	4 51	0 10	17 26	0 54	9 7	1 4	4 46	2 10	22 49	0 28	1 35
M 23	19 36	15 16	4 54	23 29	0 47	4 21	0 5	17 35	0 54	9 2	1 4	4 43	2 10	22 50	0 28	1 35
T 24	19 22	18 11	4 17	23 25	0 53	3 51	0n 0	17 45	0 53	8 57	1 4	4 41	2 9	22 50	0 28	1 36
W 25	19 8	20 1	3 25	23 21	1 0	3 21	0 6	17 54	0 53	8 52	1 4	4 39	2 9	22 50	0 28	1 36
T 26	18 53	20 41	2 23	23 15	1 6	2 50	0 12	18 4	0 52	8 47	1 4	4 36	2 9	22 51	0 28	1 37
F 27	18 38	20 9	1 14	23 8	1 12	2 20	0 17	18 13	0 52	8 42	1 4	4 34	2 9	22 51	0 28	1 37
S 28	18 22	18 33	0 2	22 59	1 17	1 50	0 23	18 22	0 51	8 37	1 4	4 31	2 9	22 51	0 28	1 38
S 29	18 7	16 1	1s 8	22 49	1 23	1 20	0 29	18 31	0 50	8 31	1 4	4 29	2 9	22 52	0 28	1 38
M 30	17 50	12 46	2 14	22 38	1 28	0 50	0 35	18 40	0 50	8 26	1 4	4 26	2 9	22 52	0 28	1 39
T 31	17s34	9s 1	3s13	22s25	1s33	0s20	0n41	18s48	0n49	8s21	1s 4	4s24	2s 9	22n52	0n28	1n40

Julian Day Number = 2342702.5, Delta T = 13.62 sec
 Ecliptic obliquity = 23°28'35", Nutation = - 0°00'13", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 20°34'49", Lahiri = 19°41'50"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1702

geocentric

FEBRUARY 1702

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	8 42 46	11°45'28	26°46	27°58	28°36	27°58	11°26	23°59	16°R55	7°46	13°R21	7°R15	7°Ω 2	21°V13	6°M36	W 1
T 2	8 46 43	12°46'18	8°46	29°32	29°36	28°34	11°40	24° 5	16°53	7°47	13°Ω20	7°Ω15	6°59	21°20	6°38	T 2
F 3	8 50 39	13°47'07	20°39	1°8	0°Y37	29°10	11°54	24°12	16°51	7°49	13°18	7°14	6°56	21°26	6°40	F 3
S 4	8 54 36	14°47'54	2°31	2°44	1°36	29°45	12° 7	24°18	16°48	7°50	13°17	7°13	6°53	21°33	6°42	S 4
S 5	8 58 32	15°48'39	14°26	4°22	2°35	0°20	12°21	24°24	16°46	7°52	13°15	7°D13	6°50	21°40	6°43	S 5
M 6	9 2 29	16°49'23	26°28	5°59	3°34	0°56	12°35	24°31	16°44	7°53	13°14	7°13	6°46	21°46	6°45	M 6
T 7	9 6 26	17°50'06	8°41	7°38	4°32	1°31	12°49	24°37	16°42	7°55	13°12	7°14	6°43	21°53	6°47	T 7
W 8	9 10 22	18°50'47	21°12	9°18	5°30	2° 6	13° 3	24°44	16°40	7°57	13°11	7°15	6°40	22° 0	6°48	W 8
T 9	9 14 19	19°51'26	4°2	10°58	6°27	2°42	13°17	24°50	16°38	7°58	13°10	7°16	6°37	22° 7	6°49	T 9
F 10	9 18 15	20°52'03	17°15	12°39	7°24	3°17	13°31	24°57	16°36	8° 0	13° 8	7°17	6°34	22°13	6°50	F 10
S 11	9 22 12	21°52'39	0°Ω51	14°21	8°20	3°52	13°45	25° 3	16°34	8° 2	13° 7	7°R18	6°31	22°20	6°51	S 11
S 12	9 26 8	22°53'14	14°50	16° 4	9°15	4°27	13°59	25°10	16°32	8° 3	13° 5	7°18	6°27	22°27	6°52	S 12
M13	9 30 5	23°53'46	29° 8	17°48	10°10	5° 2	14°13	25°17	16°30	8° 5	13° 4	7°17	6°24	22°33	6°53	M13
T 14	9 34 1	24°54'18	13°41	19°33	11° 4	5°37	14°27	25°24	16°28	8° 7	13° 2	7°15	6°21	22°40	6°53	T 14
W15	9 37 58	25°54'47	28°22	21°19	11°57	6°11	14°41	25°30	16°26	8° 9	13° 1	7°13	6°18	22°47	6°54	W15
T 16	9 41 55	26°55'15	13°4	23° 5	12°50	6°46	14°55	25°37	16°24	8°10	13° 0	7°10	6°15	22°54	6°54	T 16
F 17	9 45 51	27°55'42	27°40	24°53	13°42	7°21	15° 9	25°44	16°22	8°12	12°58	7° 8	6°11	23° 0	6°55	F 17
S 18	9 49 48	28°56'08	12°M 5	26°41	14°33	7°56	15°24	25°51	16°21	8°14	12°57	7° 6	6° 8	23° 7	6°55	S 18
S 19	9 53 44	29°56'32	26°16	28°31	15°23	8°30	15°38	25°58	16°19	8°16	12°56	7°D 5	6° 5	23°14	6°R55	S 19
M20	9 57 41	0°56'55	10°210	0°21	16°13	9° 5	15°52	26° 5	16°17	8°18	12°54	7° 5	6° 2	23°20	6°55	M20
T 21	10 1 37	1°57'17	23°48	2°12	17° 2	9°39	16° 7	26°12	16°16	8°20	12°53	7° 6	5°59	23°27	6°55	T 21
W22	10 5 34	2°57'37	7°310	4° 4	17°50	10°13	16°21	26°19	16°14	8°22	12°52	7° 8	5°56	23°34	6°54	W22
T 23	10 9 30	3°57'56	20°17	5°57	18°37	10°48	16°35	26°26	16°13	8°23	12°50	7° 9	5°52	23°41	6°54	T 23
F 24	10 13 27	4°58'13	3°11	7°50	19°23	11°22	16°50	26°33	16°11	8°25	12°49	7°R10	5°49	23°47	6°53	F 24
S 25	10 17 24	5°58'28	15°53	9°45	20° 8	11°56	17° 4	26°40	16°10	8°27	12°48	7°10	5°46	23°54	6°53	S 25
S 26	10 21 20	6°58'42	28°23	11°39	20°52	12°30	17°19	26°48	16° 8	8°29	12°46	7° 8	5°43	24° 1	6°52	S 26
M27	10 25 17	7°58'54	10°43	13°35	21°35	13° 4	17°33	26°55	16° 7	8°31	12°45	7° 5	5°40	24° 8	6°51	M27
T 28	10 29 13	8°59'04	22°55	15°30	22°17	13°38	17°48	27° 2	16°6	8°33	12°44	7°Ω 0	5°Ω36	24°V14	6°M50	T 28

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	17s17	4s59	4s 1	22s11	1s37	0n10	0n48	18s57	0n49	8s16	1s 4	4s21	2s 8	22n52	0n28	1n40	1s33	24n41	8n12	18n29	18n33	3n42	13s22	0n24			
T 2	17 0	0 47	4 39	21 56	1 41	0 40	0 54	19 5	0 48	8 11	1 4	4 19	2 8	22 53	0 28	1 41	1 32	24 42	8 13	18 29	18 33	3 44	13 23	0 24			
F 3	16 43	3n23	5 4	21 39	1 45	1 10	1 1	19 14	0 48	8 5	1 4	4 16	2 8	22 53	0 28	1 41	1 32	24 42	8 13	18 30	18 34	3 46	13 23	0 24			
S 4	16 25	7 25	5 16	21 21	1 49	1 40	1 7	19 22	0 47	8 0	1 3	4 14	2 8	22 53	0 28	1 42	1 32	24 43	8 13	18 30	18 35	3 49	13 23	0 25			
S 5	16 7	11 11	5 14	21 1	1 52	2 10	1 14	19 30	0 46	7 55	1 3	4 11	2 8	22 54	0 28	1 43	1 32	24 43	8 13	18 30	18 36	3 51	13 23	0 25			
M 6	15 49	14 32	4 59	20 40	1 55	2 39	1 20	19 38	0 46	7 49	1 3	4 8	2 8	22 54	0 28	1 43	1 32	24 44	8 13	18 30	18 37	3 53	13 23	0 25			
T 7	15 31	17 20	4 31	20 17	1 58	3 8	1 27	19 46	0 45	7 44	1 3	4 6	2 8	22 54	0 28	1 44	1 32	24 44	8 13	18 30	18 37	3 55	13 23	0 26			
W 8	15 12	19 23	3 48	19 53	2 0	3 38	1 34	19 53	0 45	7 39	1 3	4 3	2 8	22 54	0 28	1 45	1 32	24 45	8 13	18 29	18 38	3 58	13 24	0 26			
T 9	14 53	20 31	2 54	19 28	2 2	4 7	1 41	20 1	0 44	7 33	1 3	4 0	2 8	22 55	0 28	1 45	1 32	24 45	8 13	18 29	18 39	4 0	13 24	0 27			
F 10	14 34	20 34	1 49	19 1	2 4	4 36	1 48	20 8	0 43	7 28	1 3	3 58	2 8	22 55	0 28	1 46	1 32	24 46	8 13	18 29	18 40	4 2	13 24	0 27			
S 11	14 14	19 25	0 36	18 32	2 5	5 5	1 56	20 16	0 43	7 22	1 3	3 55	2 7	22 55	0 28	1 47	1 32	24 46	8 13	18 29	18 40	4 4	13 24	0 27			
S 12	13 55	17 4	0n42	18 2	2 5	5 33	2 3	20 23	0 42	7 17	1 3	3 52	2 7	22 55	0 28	1 47	1 32	24 47	8 13	18 29	18 41	4 7	13 23	0 28			
M13	13 35	13 38	1 58	17 31	2 6	6 1	2 10	20 30	0 41	7 12	1 3	3 50	2 7	22 56	0 28	1 48	1 32	24 47	8 13	18 29	18 42	4 9	13 23	0 28			
T 14	13 14	9 19	3 8	16 58	2 6	6 29	2 18	20 37	0 40	7 6	1 3	3 47	2 7	22 56	0 28	1 49	1 32	24 47	8 13	18 29	18 43	4 11	13 23	0 29			
W15	12 54	4 24	4 6	16 24	2 5	6 57	2 25	20 43	0 40	7 1	1 3	3 44	2 7	22 56	0 28	1 50	1 32	24 48	8 13	18 30	18 44	4 13	13 23	0 29			
T 16	12 33	0s45	4 48	15 48	2 4	7 25	2 33	20 50	0 39	6 55	1 3	3 41	2 7	22 56	0 28	1 50	1 32	24 48	8 13	18 31	18 44	4 16	13 23	0 29			
F 17	12 13	5 49	5 11	15 10	2 3	7 52	2 40	20 57	0 38	6 50	1 3	3 38	2 7	22 56	0 28	1 51	1 32	24 49	8 13	18 31	18 45	4 18	13 22	0 30			
S 18	11 52	10 30	5 14	14 32	2 1	8 19	2 48	21 3	0 37	6 44	1 3	3 36	2 7	22 57	0 28	1 52	1 32	24 49	8 13	18 32	18 46	4 20	13 22	0 30			
S 19	11 31	14 31	4 58	13 51	1 58	8 46	2 56	21 9	0 37	6 38	1 3	3 33	2 7	22 57	0 28	1 52	1 32	24 50	8 13	18 32	18 47	4 23	13 22	0 31			
M20	11 9	17 39	4 24	13 10	1 55	9 12	3 3	21 15	0 36	6 33	1 3	3 30	2 7	22 57	0 28	1 53	1 32	24 50	8 13	18 32	18 48	4 25	13 21	0 31			
T 21	10 48	19 44	3 36	12 27	1 52	9 39	3 11	21 21	0 35	6 27	1 3	3 27	2 7	22 57	0 28	1 54	1 32	24 50	8 13	18 32	18 48	4 27	13 21	0 31			
W22	10 26	20 40	2 37	11 42	1 48	10 4	3 19	21 27	0 34	6 22	1 3	3 24	2 7	22 57	0 28	1 55	1 32	24 51	8 13	18 31	18 49	4 29	13 20	0 32			
T 23	10 4	20 26	1 31	10 56	1 43	10 30	3 27	21 33	0 33	6 16	1 3	3 21	2 7	22 58	0 28	1 56	1 32	24 51	8 13	18 31	18 50	4 32	13 20	0 32			
F 24	9 42	19 7	0 22	10 9	1 38	10 55	3 35	21 38	0 33	6 10	1 3	3 18	2 7	22 58	0 28	1 56	1 32	24 52	8 13	18 30	18 51	4 34	13 19	0 33			
S 25	9 20	16 52	0s48	9 21	1 32	11 19	3 43	21 44	0 32	6 5	1 3	3 16	2 7	22 58	0 28	1 57	1 32	24 52	8 13	18 31	18 52	4 36	13 19	0 33			
S 26	8 58	13 50	1 54	8 31	1 26	11 44	3 51	21 49	0 31	5 59	1 3	3 13	2 7	22 58	0 28	1 58	1 32	24 52	8 13	18 31	18 52	4 39	13 18	0 33			
M27	8 35	10 14	2 53	7 41	1 19	12 8	3 59	21 54	0 30	5 54	1 3	3 10	2 6	22 58	0 28	1 59	1 32	24 53	8 13	18 32	18 53	4 41	13 17	0 34			
T 28	8s13	6s15	3s44	6s49	1s11	12n31	4n 8	21s59	0n29	5s48	1s 3	3s 7	2s 6	22n58	0n28	2n 0	1s32	24n53	8n13	18n33	18n54	4n43	13s17	0n34			

Julian Day Number = 2342733.5, Delta T = 13.59 sec

Ecliptic obliquity = 23°28'35, Nutation = - 0°00'12, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 20°34'54, Lahiri = 19°41'54Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1702
geocentric

MARCH 1702

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	10 33 10	9♂59'12	4♂58	17♂26	22♂58	14♂12	18♂2	27♂9	16♂R 4	8♂35	12♂R42	6♂R54	5♂Ω33	24♂Y21	6♂R49	W 1
T 2	10 37 6	10°59'18	16°55	19°22	23°38	14°45	18°17	27°16	16♂3	8°38	12♂Ω41	6♂Ω48	5°30	24°28	6♂M48	T 2
F 3	10 41 3	11°59'22	28°48	21°17	24°16	15°19	18°31	27°24	16° 2	8°40	12°40	6°41	5°27	24°34	6°47	F 3
S 4	10 44 59	12°59'24	10♂39	23°13	24°54	15°52	18°46	27°31	16° 1	8°42	12°39	6°36	5°24	24°41	6°45	S 4
S 5	10 48 56	13°59'24	22°32	25° 7	25°30	16°26	19° 0	27°38	16° 0	8°44	12°38	6°32	5°21	24°48	6°44	S 5
M 6	10 52 52	14°59'22	4♂32	27° 0	26° 4	16°59	19°15	27°46	15°59	8°46	12°36	6°30	5°17	24°55	6°42	M 6
T 7	10 56 49	15°59'17	16°42	28°51	26°37	17°32	19°29	27°53	15°58	8°48	12°35	6°D29	5°14	25° 1	6°40	T 7
W 8	11 0 46	16°59'11	29° 7	0♂41	27° 9	18° 5	19°44	28° 0	15°57	8°50	12°34	6°30	5°11	25° 8	6°38	W 8
T 9	11 4 42	17°59'02	11♂53	2°28	27°39	18°38	19°58	28° 8	15°56	8°52	12°33	6°31	5° 8	25°15	6°36	T 9
F 10	11 8 39	18°58'51	25° 3	4°12	28° 7	19°11	20°13	28°15	15°55	8°54	12°32	6°32	5° 5	25°21	6°34	F 10
S 11	11 12 35	19°58'37	8♂39	5°53	28°34	19°44	20°27	28°23	15°55	8°57	12°31	6°R33	5° 2	25°28	6°32	S 11
S 12	11 16 32	20°58'22	22°44	7°30	28°59	20°16	20°42	28°30	15°54	8°59	12°30	6°32	4°58	25°35	6°30	S 12
M13	11 20 28	21°58'04	7♂15	9° 3	29°22	20°49	20°56	28°37	15°53	9° 1	12°29	6°29	4°55	25°42	6°27	M13
T 14	11 24 25	22°57'44	22° 6	10°30	29°44	21°21	21°11	28°45	15°53	9° 3	12°27	6°23	4°52	25°48	6°25	T 14
W15	11 28 21	23°57'22	7♂11	11°53	0♂ 3	21°54	21°25	28°52	15°52	9° 5	12°26	6°17	4°49	25°55	6°22	W15
T 16	11 32 18	24°56'59	22°19	13°10	0°21	22°26	21°40	29° 0	15°52	9° 8	12°25	6° 9	4°46	26° 2	6°20	T 16
F 17	11 36 15	25°56'33	7♂20	14°20	0°36	22°58	21°55	29° 7	15°51	9°10	12°24	6° 2	4°42	26° 9	6°17	F 17
S 18	11 40 11	26°56'05	22° 6	15°25	0°50	23°30	22° 9	29°15	15°51	9°12	12°24	5°56	4°39	26°15	6°14	S 18
S 19	11 44 8	27°55'36	6♂30	16°22	1° 1	24° 2	22°24	29°22	15°51	9°14	12°23	5°52	4°36	26°22	6°11	S 19
M20	11 48 4	28°55'05	20°31	17°12	1°10	24°34	22°38	29°30	15°50	9°16	12°22	5°50	4°33	26°29	6° 8	M20
T 21	11 52 1	29°54'33	4♂ 7	17°55	1°17	25° 5	22°53	29°37	15°50	9°19	12°21	5°D49	4°30	26°35	6° 5	T 21
W22	11 55 57	0♂53'58	17°20	18°31	1°21	25°36	23° 7	29°45	15°50	9°21	12°20	5°50	4°27	26°42	6° 2	W22
T 23	11 59 54	1°53'22	0♂15	18°59	1°R23	26° 8	23°21	29°52	15°50	9°23	12°19	5°R51	4°23	26°49	5°59	T 23
F 24	12 3 50	2°52'44	12°53	19°19	1°23	26°39	23°36	29°59	15°50	9°25	12°18	5°51	4°20	26°56	5°55	F 24
S 25	12 7 47	3°52'04	25°18	19°32	1°20	27°10	23°50	0♂ 7	15°D50	9°28	12°17	5°49	4°17	27° 2	5°52	S 25
S 26	12 11 44	4°51'22	7♂32	19°R37	1°15	27°41	24° 5	0°14	15°50	9°30	12°17	5°44	4°14	27° 9	5°49	S 26
M27	12 15 40	5°50'38	19°40	19°35	1° 8	28°11	24°19	0°22	15°50	9°32	12°16	5°37	4°11	27°16	5°45	M27
T 28	12 19 37	6°49'52	1♂41	19°26	0°58	28°42	24°34	0°29	15°50	9°34	12°15	5°28	4° 8	27°22	5°41	T 28
W29	12 23 33	7°49'05	23°38	19°10	0°45	29°12	24°48	0°37	15°50	9°37	12°14	5°16	4° 4	27°29	5°38	W29
T 30	12 27 30	8°48'15	25°31	18°48	0°30	29°42	25° 2	0°44	15°51	9°39	12°14	5° 4	4° 1	27°36	5°34	T 30
F 31	12 31 26	9♂47'23	7♂23	18♂20	0♂13	0♂12	25♂17	0♂52	15♂51	9♂41	12♂13	4♂Ω1	3♂Ω58	27♂Y43	5♂M30	F 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	7s50	2s 4	4s24	5s57	1s 3	12n54	4n16	22s 4	0n28	5s42	1s 3	3s 4	2s 6	22n58	0n28	2n 0
T 2	7 27	2n 9	4 52	5 3	0 55	13 16	4 24	22 9	0 27	5 37	1 3	3 1	2 6	22 59	0 28	2 1
F 3	7 5	6 16	5 8	4 9	0 45	13 38	4 32	22 14	0 26	5 31	1 3	2 58	2 6	22 59	0 28	2 2
S 4	6 42	10 8	5 10	3 14	0 35	14 0	4 40	22 18	0 25	5 25	1 3	2 55	2 6	22 59	0 28	2 3
S 5	6 19	13 37	4 59	2 20	0 25	14 21	4 49	22 23	0 24	5 20	1 3	2 52	2 6	22 59	0 28	2 4
M 6	5 55	16 35	4 35	1 24	0 14	14 41	4 57	22 27	0 23	5 14	1 3	2 49	2 6	22 59	0 28	2 5
T 7	5 32	18 52	3 58	0 30	0 2	15 1	5 5	22 31	0 22	5 8	1 3	2 46	2 6	22 59	0 28	2 6
W 8	5 9	20 19	3 9	0n25	0n10	15 20	5 13	22 35	0 21	5 2	1 3	2 43	2 6	22 59	0 28	2 6
T 9	4 45	20 47	2 10	1 19	0 22	15 39	5 21	22 39	0 20	4 57	1 3	2 40	2 6	22 59	0 28	2 7
F 10	4 22	20 8	1 2	2 12	0 34	15 56	5 29	22 43	0 19	4 51	1 3	2 38	2 6	22 59	0 28	2 8
S 11	3 59	18 19	0n11	3 4	0 47	16 14	5 37	22 47	0 18	4 45	1 3	2 35	2 6	22 59	0 28	2 9
S 12	3 35	15 19	1 26	3 54	1 0	16 30	5 45	22 50	0 17	4 40	1 3	2 32	2 6	23 0	0 28	2 10
M13	3 11	11 18	2 38	4 43	1 13	16 46	5 53	22 54	0 16	4 34	1 3	2 29	2 6	23 0	0 28	2 11
T 14	2 48	6 31	3 41	5 29	1 26	17 1	6 1	22 57	0 14	4 28	1 3	2 26	2 6	23 0	0 28	2 12
W15	2 24	1 16	4 29	6 13	1 39	17 15	6 8	23 0	0 13	4 22	1 3	2 23	2 6	23 0	0 28	2 12
T 16	2 1	4s 5	4 58	6 55	1 52	17 28	6 16	23 4	0 12	4 17	1 3	2 20	2 6	23 0	0 28	2 13
F 17	1 37	9 8	5 7	7 34	2 4	17 40	6 23	23 7	0 11	4 11	1 3	2 17	2 6	23 0	0 28	2 14
S 18	1 13	13 34	4 55	8 10	2 16	17 51	6 30	23 9	0 10	4 5	1 3	2 14	2 6	23 0	0 28	2 15
S 19	0 50	17 5	4 25	8 42	2 27	18 2	6 37	23 12	0 8	4 0	1 3	2 11	2 6	23 0	0 28	2 16
M20	0 26	19 30	3 39	9 11	2 37	18 11	6 43	23 15	0 7	3 54	1 3	2 8	2 6	23 0	0 28	2 17
T 21	0 2	20 43	2 42	9 36	2 47	18 19	6 49	23 17	0 6	3 48	1 3	2 5	2 6	23 0	0 28	2 18
W22	0n21	20 44	1 38	9 58	2 55	18 27	6 56	23 20	0 4	3 43	1 4	2 2	2 6	23 0	0 28	2 19
T 23	0 45	19 38	0 30	10 16	3 3	18 33	7 1	23 22	0 3	3 37	1 4	1 59	2 6	23 0	0 28	2 19
F 24	1 9	17 35	0s38	10 30	3 9	18 38	7 7	23 24	0 2	3 31	1 4	1 56	2 6	23 0	0 28	2 20
S 25	1 32	14 43	1 42	10 39	3 15	18 41	7 11	23 27	0 0	3 25	1 4	1 53	2 6	23 0	0 28	2 21
S 26	1 56	11 14	2 41	10 45	3 18	18 44	7 16	23 29	0s 1	3 20	1 4	1 50	2 6	23 0	0 28	2 22
M27	2 19	7 20	3 32	10 46	3 21	18 45	7 20	23 31	0 3	3 14	1 4	1 47	2 7	23 0	0 28	2 23
T 28	2 43	3 11	4 12	10 44	3 22	18 44	7 24	23 32	0 4	3 8	1 4	1 44	2 7	23 0	0 28	2 24
W29	3 6	1n 4	4 41	10 37	3 21	18 43	7 27	23 34	0 6	3 3	1 4	1 42	2 7	23 0	0 28	2 25
T 30	3 30	5 15	4 58	10 26	3 19	18 40	7 29	23 36	0 7	2 57	1 4	1 39	2 7	23 0	0 28	2 26
F 31	3n53	9n14	5s 2	10n12	3n15	18n35	7n31	23s37	0s 9	2s52	1s 4	1s36	2s 7	23n 0	0n28	2n27

Julian Day Number = 2342761.5, Delta T = 13.57 sec
Ecliptic obliquity = 23°28'36", Nutation = - 0°00'13", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 20°34'57", Lahiri = 19°41'58"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1702

geocentric

APRIL 1702

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	12 35 23	10°46'28	19°15	17°R47	29°R53	0°342	25°H31	0°V59	15°51	9°V44	12°R12	4°R40	3°Ω55	27°V49	5°R26	S 1
S 2	12 39 19	11°45'32	1°II 9	17°V10	29°V31	1°12	25°45	1° 6	15°52	9°46	12°Ω12	4°Ω31	3°52	27°56	5°M22	S 2
M 3	12 43 16	12°44'33	13° 9	16°29	29° 6	1°41	25°59	1°14	15°52	9°48	12°11	4°25	3°48	28° 3	5°18	M 3
T 4	12 47 12	13°43'33	25°17	15°45	28°40	2°10	26°14	1°21	15°53	9°50	12°11	4°21	3°45	28°10	5°14	T 4
W 5	12 51 9	14°42'29	7°540	15° 0	28°11	2°39	26°28	1°28	15°53	9°53	12°10	4°19	3°42	28°16	5°10	W 5
T 6	12 55 6	15°41'24	20°20	14°14	27°41	3° 8	26°42	1°36	15°54	9°55	12°10	4°D19	3°39	28°23	5° 6	T 6
F 7	12 59 2	16°40'16	3°Ω23	13°27	27° 9	3°37	26°56	1°43	15°55	9°57	12° 9	4°R19	3°36	28°30	5° 1	F 7
S 8	13 2 59	17°39'06	16°53	12°42	26°36	4° 5	27°10	1°50	15°55	9°59	12° 9	4°19	3°33	28°36	4°57	S 8
S 9	13 6 55	18°37'54	0°M52	11°58	26° 1	4°33	27°24	1°58	15°56	10° 2	12° 8	4°16	3°29	28°43	4°53	S 9
M10	13 10 52	19°36'39	15°20	11°16	25°25	5° 1	27°38	2° 5	15°57	10° 4	12° 8	4°12	3°26	28°50	4°48	M10
T 11	13 14 48	20°35'22	0°A14	10°38	24°48	5°29	27°52	2°12	15°58	10° 6	12° 7	4° 4	3°23	28°57	4°44	T 11
W12	13 18 45	21°34'03	15°26	10° 3	24°10	5°57	28° 6	2°19	15°59	10° 8	12° 7	3°54	3°20	29° 3	4°39	W12
T 13	13 22 41	22°32'42	0°M47	9°33	23°33	6°24	28°20	2°27	16° 0	10°11	12° 7	3°44	3°17	29°10	4°35	T 13
F 14	13 26 38	23°31'19	16° 4	9° 6	22°55	6°51	28°34	2°34	16° 1	10°13	12° 6	3°33	3°13	29°17	4°30	F 14
S 15	13 30 35	24°29'54	1°A 7	8°45	22°17	7°18	28°48	2°41	16° 2	10°15	12° 6	3°24	3°10	29°23	4°26	S 15
S 16	13 34 31	25°28'28	15°47	8°28	21°39	7°45	29° 1	2°48	16° 3	10°17	12° 6	3°17	3° 7	29°30	4°21	S 16
M17	13 38 28	26°27'00	29°59	8°17	21° 2	8°11	29°15	2°55	16° 5	10°20	12° 6	3°13	3° 4	29°37	4°17	M17
T 18	13 42 24	27°25'30	13°342	8°10	20°26	8°37	29°29	3° 2	16° 6	10°22	12° 5	3°11	3° 1	29°44	4°12	T 18
W19	13 46 21	28°23'59	26°58	8°D 9	19°52	9° 3	29°43	3° 9	16° 7	10°24	12° 5	3°11	2°58	29°50	4° 8	W19
T 20	13 50 17	29°22'26	9°A51	8°13	19°18	9°28	29°56	3°16	16° 9	10°26	12° 5	3°11	2°54	29°57	4° 3	T 20
F 21	13 54 14	0°B20'52	22°23	8°21	18°46	9°54	0°V10	3°23	16°10	10°28	12° 5	3°10	2°51	0°B 4	3°58	F 21
S 22	13 58 10	1°19'15	4°H40	8°35	18°16	10°19	0°23	3°30	16°11	10°30	12° 5	3° 7	2°48	0°11	3°54	S 22
S 23	14 2 7	2°17'37	16°47	8°53	17°47	10°43	0°37	3°37	16°13	10°33	12° 5	3° 1	2°45	0°17	3°49	S 23
M24	14 6 4	3°15'58	28°46	9°15	17°21	11° 8	0°50	3°44	16°14	10°35	12° 5	2°53	2°42	0°24	3°44	M24
T 25	14 10 0	4°14'17	10°V40	9°42	16°56	11°32	1° 3	3°51	16°16	10°37	12°D 5	2°42	2°39	0°31	3°40	T 25
W26	14 13 57	5°12'34	22°33	10°14	16°34	11°55	1°17	3°57	16°18	10°39	12° 5	2°29	2°35	0°37	3°35	W26
T 27	14 17 53	6°10'49	4°B24	10°49	16°14	12°19	1°30	4° 4	16°19	10°41	12° 5	2°14	2°32	0°44	3°30	T 27
F 28	14 21 50	7° 9'03	16°17	11°28	15°56	12°42	1°43	4°11	16°21	10°43	12° 5	2° 0	2°29	0°51	3°26	F 28
S 29	14 25 46	8° 7'15	28°12	12°11	15°41	13° 4	1°56	4°17	16°23	10°45	12° 5	1°47	2°26	0°58	3°21	S 29
S 30	14 29 43	9°B 5'25	10°II11	12°V58	15°V28	13°327	2°V 9	4°V24	16°525	10°V47	12°Ω 5	1°Ω36	2°Ω23	1°B 4	3°M16	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	4n16	12n52	4s53	9n54	3n 9	18n29	7n32	23s39	0s10	2s46	1s 4	1s33	2s 7	23n 0	0n28	2n27	1s31	25n 0	8n11	19n 8	19n18	5n56	12s36	0n47			
S 2	4 39	16 0	4 31	9 33	3 2	18 22	7 33	23 40	0 12	2 40	1 4	1 30	2 7	22 59	0 28	2 28	1 31	25 0	8 10	19 10	19 19	5 58	12 35	0 48			
M 3	5 2	18 30	3 57	9 9	2 53	18 13	7 32	23 42	0 14	2 35	1 4	1 27	2 7	22 59	0 28	2 29	1 31	25 0	8 10	19 11	19 20	6 1	12 33	0 48			
T 4	5 25	20 12	3 12	8 43	2 43	18 2	7 32	23 43	0 15	2 29	1 4	1 24	2 7	22 59	0 28	2 30	1 31	25 0	8 10	19 12	19 21	6 3	12 31	0 49			
W 5	5 48	20 59	2 17	8 14	2 31	17 50	7 30	23 44	0 17	2 24	1 4	1 21	2 7	22 59	0 28	2 31	1 31	25 0	8 10	19 13	19 21	6 5	12 30	0 49			
T 6	6 11	20 43	1 14	7 44	2 18	17 37	7 27	23 45	0 19	2 18	1 4	1 18	2 7	22 59	0 28	2 32	1 31	25 0	8 10	19 13	19 22	6 8	12 28	0 50			
F 7	6 34	19 21	0 5	7 13	2 4	17 22	7 24	23 46	0 21	2 12	1 5	1 16	2 7	22 59	0 28	2 33	1 31	25 0	8 10	19 13	19 23	6 10	12 26	0 50			
S 8	6 56	16 51	1n 6	6 42	1 49	17 6	7 20	23 47	0 22	2 7	1 5	1 13	2 7	22 59	0 28	2 34	1 32	25 0	8 10	19 13	19 24	6 12	12 24	0 50			
S 9	7 19	13 18	2 16	6 10	1 33	16 48	7 15	23 48	0 24	2 1	1 5	1 10	2 7	22 59	0 28	2 35	1 32	25 0	8 10	19 13	19 24	6 14	12 22	0 51			
M10	7 41	8 51	3 19	5 39	1 17	16 29	7 9	23 49	0 26	1 56	1 5	1 7	2 7	22 59	0 28	2 36	1 32	25 0	8 9	19 14	19 25	6 17	12 20	0 51			
T 11	8 3	3 44	4 10	5 9	1 1	16 9	7 2	23 50	0 28	1 50	1 5	1 4	2 8	22 59	0 28	2 36	1 32	25 0	8 9	19 16	19 26	6 19	12 19	0 51			
W12	8 25	1s42	4 45	4 40	0 44	15 48	6 55	23 51	0 30	1 45	1 5	1 2	2 8	22 58	0 28	2 37	1 32	25 0	8 9	19 18	19 27	6 21	12 17	0 52			
T 13	8 47	7 4	5 0	4 13	0 28	15 26	6 47	23 51	0 32	1 40	1 5	0 59	2 8	22 58	0 27	2 38	1 32	25 0	8 9	19 21	19 27	6 23	12 15	0 52			
F 14	9 9	11 59	4 54	3 47	0 11	15 4	6 37	23 52	0 34	1 34	1 5	0 56	2 8	22 58	0 27	2 39	1 32	25 0	8 9	19 23	19 28	6 26	12 13	0 53			
S 15	9 31	16 4	4 27	3 24	0s 5	14 40	6 28	23 52	0 36	1 29	1 5	0 53	2 8	22 58	0 27	2 40	1 32	25 0	8 9	19 26	19 29	6 28	12 11	0 53			
S 16	9 52	19 2	3 43	3 3	0 21	14 16	6 17	23 53	0 38	1 23	1 5	0 51	2 8	22 58	0 27	2 41	1 32	25 0	8 9	19 27	19 29	6 30	12 9	0 53			
M17	10 13	20 43	2 46	2 44	0 36	13 52	6 6	23 53	0 40	1 18	1 5	0 48	2 8	22 58	0 27	2 41	1 32	25 0	8 8	19 28	19 30	6 33	12 7	0 54			
T 18	10 34	21 6	1 41	2 28	0 51	13 28	5 54	23 54	0 42	1 13	1 6	0 45	2 8	22 57	0 27	2 42	1 32	24 59	8 8	19 29	19 31	6 35	12 5	0 54			
W19	10 55	20 16	0 33	2 15	1 5	13 3	5 42	23 54	0 45	1 7	1 6	0 42	2 8	22 57	0 27	2 43	1 32	24 59	8 8	19 29	19 32	6 37	12 3	0 55			
T 20	11 16	18 23	0s35	2 4	1 18	12 38	5 29	23 55	0 47	1 2	1 6	0 40	2 8	22 57	0 27	2 44	1 32	24 59	8 8	19 29	19 32	6 39	12 2	0 55			
F 21	11 37	15 39	1 40	1 56	1 31	12 14	5 16	23 55	0 49	0 57	1 6	0 37	2 9	22 57	0 27	2 45	1 32	24 59	8 8	19 29	19 33	6 42	12 0	0 55			
S 22	11 57	12 16	2 38	1 50	1 42	11 50	5 3	23 56	0 51	0 51	1 6	0 34	2 9	22 57	0 27	2 46	1 32	24 59	8 8	19 30	19 34	6 44	11 58	0 56			
S 23	12 17	8 25	3 28	1 47	1 53	11 26	4 49	23 56	0 54	0 46	1 6	0 32	2 9	22 57	0 27	2 46	1 32	24 59	8 7	19 31	19 35	6 46	11 56	0 56			
M24	12 37	4 18	4 9	1 47	2 4	11 3	4 35	23 56	0 56	0 41	1 6	0 29	2 9	22 56	0 27	2 47	1 32	24 59	8 7	19 33	19 35	6 49	11 54	0 56			
T 25	12 57	0 2	4 38	1 49	2 13	10 41	4 21	23 57	0 58	0 36	1 6	0 27	2 9	22 56	0 27	2 48	1 32	24 59	8 7	19 35	19 36	6 51	11 52	0 57			
W26	13 17	4n13	4 55	1 53	2 22	10 19	4 7	23 57	1 1	0 30	1 6	0 24	2 9	22 56	0 27	2 49	1 32	24 58	8 7	19 38	19 37	6 53	11 50	0 57			
T 27	13 36	8 19	4 59	2 0	2 30	9 58	3 52	23 57	1 3	0 25	1 7	0 21	2 9	22 56	0 27	2 50	1 32	24 58	8 7	19 41	19 37	6 55	11 48	0 58			
F 28	13 55	12 6	4 50	2 8	2 37	9 38	3 38	23 58	1 6	0 20	1 7	0 19	2 9	22 55	0 27	2 50	1 32	24 58	8 7	19 45	19 38	6 58	11 46	0 58			
S 29	14 14	15 25	4 29	2 19	2 43	9 19	3 24	23 58	1 9	0 15	1 7	0 16	2 10	22 55	0 27	2 51	1 32	24 58	8 7	19 48	19 39	7 0	11 44	0 58			
S 30	14n33	18n 8	3s55	2n32	2s48	9n 1	3n10	23s59	1s11	0s10	1s 7	0s14	2s10	22n55	0n27	2n52	1s32	24n58	8n 6	19n50	19n40	7n 2	11s42	0n59			

ASTRODIENST EPHEMERIS for the year 1702
geocentric

MAY 1702

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
M 1	14 33 39	10♈ 3'33	22♐16	13♊47	15°R18	13♌48	2♊22	4♋31	16♍27	10♎49	12♏ 5	1°R29	2♑19	1♒11	3°R12	M 1
T 2	14 37 36	11° 1'40	4♍29	14°41	15♊10	14°10	2°35	4°37	16°29	10°51	12° 6	1♑23	2°16	1°18	3♒ 7	T 2
W 3	14 41 33	11°59'44	16°54	15°37	15° 4	14°31	2°48	4°44	16°31	10°53	12° 6	1°21	2°13	1°24	3° 3	W 3
T 4	14 45 29	12°57'47	29°34	16°36	15° 1	14°52	3° 1	4°50	16°33	10°55	12° 6	1°D20	2°10	1°31	2°58	T 4
F 5	14 49 26	13°55'47	12♑34	17°39	15°D 0	15°12	3°13	4°56	16°35	10°57	12° 6	1°R20	2° 7	1°38	2°53	F 5
S 6	14 53 22	14°53'46	25°57	18°44	15° 1	15°32	3°26	5° 3	16°37	10°59	12° 7	1°20	2° 4	1°45	2°49	S 6
S 7	14 57 19	15°51'43	9♎47	19°52	15° 5	15°52	3°39	5° 9	16°39	11° 1	12° 7	1°18	2° 0	1°51	2°44	S 7
M 8	15 1 15	16°49'38	24° 4	21° 3	15°11	16°11	3°51	5°15	16°41	11° 3	12° 7	1°14	1°57	1°58	2°40	M 8
T 9	15 5 12	17°47'31	8♌47	22°16	15°19	16°29	4° 3	5°22	16°43	11° 5	12° 8	1° 7	1°54	2° 5	2°36	T 9
W10	15 9 8	18°45'22	23°51	23°32	15°30	16°48	4°16	5°28	16°46	11° 7	12° 8	0°59	1°51	2°12	2°31	W10
T11	15 13 5	19°43'12	9♍ 6	24°50	15°42	17° 6	4°28	5°34	16°48	11° 9	12° 9	0°49	1°48	2°18	2°27	T11
F12	15 17 2	20°41'00	24°22	26°11	15°57	17°23	4°40	5°40	16°50	11°11	12° 9	0°39	1°45	2°25	2°23	F12
S13	15 20 58	21°38'47	9♊47	27°34	16°13	17°40	4°52	5°46	16°53	11°13	12°10	0°30	1°41	2°32	2°19	S13
S14	15 24 55	22°36'33	24°15	28°59	16°32	17°56	5° 4	5°52	16°55	11°14	12°10	0°23	1°38	2°38	2°14	S14
M15	15 28 51	23°34'17	8♋36	0♌27	16°52	18°12	5°16	5°58	16°58	11°16	12°11	0°19	1°35	2°45	2°10	M15
T16	15 32 48	24°32'00	22°27	1°57	17°14	18°27	5°28	6° 3	17° 0	11°18	12°11	0°18	1°32	2°52	2° 6	T16
W17	15 36 44	25°29'43	5♌50	3°29	17°38	18°42	5°40	6° 9	17° 3	11°20	12°12	0°D17	1°29	2°59	2° 2	W17
T18	15 40 41	26°27'23	18°47	5° 4	18° 3	18°56	5°52	6°15	17° 5	11°21	12°12	0°18	1°25	3° 5	1°58	T18
F19	15 44 37	27°25'03	1♊22	6°41	18°30	19°10	6° 3	6°20	17° 8	11°23	12°13	0°R18	1°22	3°12	1°54	F19
S20	15 48 34	28°22'42	13°39	8°20	18°59	19°23	6°15	6°26	17°11	11°25	12°14	0°17	1°19	3°19	1°50	S20
S21	15 52 31	29°20'20	25°43	10° 2	19°29	19°36	6°26	6°32	17°13	11°27	12°14	0°14	1°16	3°26	1°47	S21
M22	15 56 27	0♐17'57	7♊40	11°45	20° 0	19°48	6°38	6°37	17°16	11°28	12°15	0° 8	1°13	3°32	1°43	M22
T23	16 0 24	1°15'33	19°32	13°31	20°33	19°59	6°49	6°42	17°19	11°30	12°16	29♍59	1°10	3°39	1°39	T23
W24	16 4 20	2°13'08	1♌23	15°20	21° 8	20°10	7° 0	6°48	17°22	11°31	12°17	29°50	1° 6	3°46	1°36	W24
T25	16 8 17	3°10'41	13°16	17°10	21°43	20°20	7°11	6°53	17°25	11°33	12°17	29°40	1° 3	3°52	1°32	T25
F26	16 12 13	4° 8'14	25°12	19° 3	22°20	20°29	7°22	6°58	17°27	11°35	12°18	29°29	1° 0	3°59	1°29	F26
S27	16 16 10	5° 5'46	7♐13	20°58	22°58	20°38	7°33	7° 3	17°30	11°36	12°19	29°19	0°57	4° 6	1°26	S27
S28	16 20 6	6° 3'17	19°20	22°55	23°37	20°46	7°44	7° 8	17°33	11°38	12°20	29°11	0°54	4°13	1°22	S28
M29	16 24 3	7° 0'47	1♋36	24°54	24°17	20°54	7°54	7°13	17°36	11°39	12°21	29° 6	0°50	4°19	1°19	M29
T30	16 28 0	7°58'15	14° 0	26°55	24°58	21° 1	8° 5	7°18	17°39	11°41	12°22	29° 2	0°47	4°26	1°16	T30
W31	16 31 56	8♐55'43	26♋36	28♌58	25♊40	21♌ 7	8♊15	7♊23	17♍42	11♎42	12♏23	29°D 1	0♑44	4♒33	1♒13	W31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
M 1	14n51	20n 5	3s11	2n47	2s53	8n44	2n56	23s59	1s14	0s 5	1s 7	0s11	2s10	22n55	0n27	2n53	1s32	24n58	8n 6	19n52	19n40	7n 5	11s40	0n59										
T 2	15 10	21 7	2 17	3 4	2 57	8 28	2 42	24 0	1 17	0n 0	1 7	0 9	2 10	22 54	0 27	2 54	1 32	24 57	8 6	19 53	19 41	7 7	11 39	0 59										
W 3	15 28	21 9	1 16	3 23	3 0	8 13	2 28	24 0	1 19	0 5	1 7	0 7	2 10	22 54	0 27	2 54	1 32	24 57	8 6	19 53	19 42	7 9	11 37	1 0										
T 4	15 45	20 7	0 9	3 43	3 3	7 59	2 15	24 0	1 22	0 10	1 8	0 4	2 10	22 54	0 27	2 55	1 32	24 57	8 6	19 54	19 42	7 11	11 35	1 0										
F 5	16 3	18 0	0n59	4 5	3 5	7 47	2 1	24 1	1 25	0 15	1 8	0 2	2 10	22 54	0 27	2 56	1 32	24 57	8 6	19 54	19 43	7 14	11 33	1 0										
S 6	16 20	14 52	2 6	4 29	3 6	7 35	1 48	24 2	1 28	0 20	1 8	0n 1	2 11	22 53	0 27	2 57	1 32	24 56	8 5	19 54	19 44	7 16	11 31	1 1										
S 7	16 37	10 49	3 9	4 54	3 7	7 25	1 36	24 2	1 31	0 25	1 8	0 3	2 11	22 53	0 27	2 57	1 32	24 56	8 5	19 54	19 45	7 18	11 29	1 1										
M 8	16 53	6 3	4 1	5 21	3 6	7 16	1 23	24 3	1 34	0 30	1 8	0 5	2 11	22 53	0 27	2 58	1 32	24 56	8 5	19 55	19 45	7 21	11 27	1 1										
T 9	17 10	0 47	4 39	5 48	3 6	7 8	1 11	24 4	1 37	0 34	1 8	0 8	2 11	22 53	0 27	2 59	1 32	24 56	8 5	19 56	19 46	7 23	11 26	1 2										
W10	17 26	4s38	4 59	6 18	3 4	7 1	0 59	24 4	1 40	0 39	1 8	0 10	2 11	22 52	0 27	2 59	1 32	24 55	8 5	19 58	19 47	7 25	11 24	1 2										
T11	17 42	9 50	4 59	6 48	3 2	6 55	0 48	24 5	1 43	0 44	1 9	0 12	2 11	22 52	0 27	3 0	1 32	24 55	8 5	20 0	19 47	7 27	11 22	1 2										
F12	17 57	14 25	4 37	7 20	3 0	6 51	0 36	24 6	1 46	0 49	1 9	0 14	2 12	22 52	0 27	3 1	1 32	24 55	8 5	20 3	19 48	7 30	11 20	1 3										
S13	18 12	18 2	3 55	7 53	2 56	6 47	0 25	24 7	1 50	0 53	1 9	0 17	2 12	22 51	0 27	3 1	1 32	24 55	8 4	20 4	19 49	7 32	11 18	1 3										
S14	18 27	20 22	2 59	8 27	2 52	6 44	0 15	24 8	1 53	0 58	1 9	0 19	2 12	22 51	0 27	3 2	1 32	24 54	8 4	20 6	19 50	7 34	11 17	1 3										
M15	18 42	21 19	1 53	9 1	2 48	6 42	0 5	24 10	1 56	1 2	1 9	0 21	2 12	22 51	0 27	3 3	1 32	24 54	8 4	20 7	19 50	7 37	11 15	1 4										
T16	18 56	20 55	0 42	9 37	2 43	6 42	0s 5	24 11	2 0	1 7	1 9	0 23	2 12	22 50	0 27	3 3	1 32	24 54	8 4	20 7	19 51	7 39	11 13	1 4										
W17	19 10	19 19	0s30	10 14	2 37	6 42	0 15	24 12	2 3	1 11	1 9	0 25	2 13	22 50	0 27	3 4	1 33	24 53	8 4	20 7	19 52	7 41	11 12	1 4										
T18	19 24	16 45	1 37	10 51	2 31	6 43	0 24	24 14	2 7	1 16	1 10	0 27	2 13	22 50	0 27	3 5	1 33	24 53	8 4	20 7	19 52	7 43	11 10	1 5										
F19	19 37	13 28	2 38	11 29	2 25	6 45	0 33	24 15	2 10	1 20	1 10	0 29	2 13	22 49	0 27	3 5	1 33	24 53	8 4	20 7	19 53	7 46	11 8	1 5										
S20	19 50	9 40	3 30	12 8	2 18	6 48	0 42	24 17	2 14	1 25	1 10	0 31	2 13	22 49	0 27	3 6	1 33	24 52	8 3	20 7	19 54	7 48	11 7	1 5										
S21	20 2	5 33	4 11	12 47	2 10	6 52	0 50	24 19	2 18	1 29	1 10	0 33	2 13	22 49	0 27	3 7	1 33	24 52	8 3	20 8	19 55	7 50	11 5	1 5										
M22	20 15	1 16	4 41	13 27	2 2	6 56	0 58	24 21	2 21	1 34	1 10	0 35	2 14	22 48	0 27	3 7	1 33	24 52	8 3	20 9	19 55	7 53	11 4	1 6										
T23	20 27	3n 2	4 59	14 7	1 54	7 1	1 6	24 23	2 25	1 38	1 11	0 37	2 14	22 48	0 27	3 8	1 33	24 51	8 3	20 11	19 56	7 55	11 2	1 6										
W24	20 38	7 13	5 4	14 47	1 45	7 7	1 13	24 25	2 29	1 42	1 11	0 39	2 14	22 48	0 27	3 8	1 33	24 51	8 3	20 13	19 57	7 57	11 1	1 6										
T25	20 49	11 8	4 56	15 27	1 36	7 14	1 20	24 27	2 33	1 46	1 11	0 41	2 14	22 47	0 27	3 9	1 33	24 51	8 3	20 15	19 57	7 59	10 59	1 7										
F26	21 0	14 39	4 35	16 8	1 26	7 21	1 27	24 30	2 37	1 50	1 11	0 43	2 14	22 47	0 27	3 10	1 33	24 50	8 3	20 17	19 58	8 2	10 58	1 7										
S27	21 11	17 35	4 1	16 48	1 16	7 29	1 34	24 32	2 41	1 55	1 11	0 45	2 15	22 46	0 27	3 10	1 33	24 50	8 2	20 19	19 59	8 4	10 56	1 7										
S28	21 21	19 47	3 16	17 28	1 6	7 38	1 40	24 35	2 45	1 59	1 11	0 46	2 15	22 46	0 27	3 11	1 33	24 49	8 2	20 21	19 59	8 6	10 55	1 7										
M29	21 31	21 6	2 22	18 7	0 56	7 47	1 46	24 38	2 49	2 3	1 12	0 48	2 15	22 46	0 27	3 11	1 33	24 49	8 2	20 22	20 0	8 8	10 54	1 8										
T30	21 40	21 25	1 20	18 46	0 54	7 57	1 52	24 41	2 53	2 7	1 12	0 50	2 15	22 45	0 27	3 12	1 33	24 49	8 2	20 23	20 1	8 11	10 52	1 8										
W31	21n49	20n39	0s13	19n24	0s34	8n 7	1s57	24s44	2s57	2n11	1s12	0n52	2s15	22n45	0n27	3n12	1s33	24n48	8n 2	20n23	20n 1	8n13	10s51	1n 8										

ASTRODIENST EPHEMERIS for the year 1702

geocentric

JUNE 1702

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 35 53	9II53'09	9♂25	1II 2	26V'23	21♂12	8V'26	7V'28	17♂45	11V'43	12♂24	29♂ 1	0♂41	4♂39	1°R10	T 1
F 2	16 39 49	10°50'34	22°31	3° 9	27° 7	21°17	8°36	7°32	17°48	11°45	12°25	29° 3	0°38	4°46	1M 7	F 2
S 3	16 43 46	11°47'58	5♂55	5°17	27°52	21°21	8°46	7°37	17°51	11°46	12°26	29°R 4	0°35	4°53	1° 4	S 3
S 4	16 47 42	12°45'21	19°40	7°26	28°38	21°24	8°56	7°41	17°55	11°47	12°27	29° 3	0°31	5° 0	1° 2	S 4
M 5	16 51 39	13°42'42	3♂47	9°36	29°24	21°27	9° 6	7°46	17°58	11°49	12°28	29° 2	0°28	5° 6	0°59	M 5
T 6	16 55 35	14°40'03	18°14	11°47	0♂11	21°29	9°16	7°50	18° 1	11°50	12°29	28°58	0°25	5°13	0°57	T 6
W 7	16 59 32	15°37'22	2♂59	13°59	0°59	21°30	9°26	7°55	18° 4	11°51	12°30	28°53	0°22	5°20	0°54	W 7
T 8	17 3 29	16°34'40	17°55	16°11	1°48	21°R31	9°35	7°59	18° 7	11°52	12°31	28°47	0°19	5°27	0°52	T 8
F 9	17 7 25	17°31'58	2♂55	18°23	2°38	21°30	9°44	8° 3	18°11	11°54	12°32	28°41	0°16	5°33	0°50	F 9
S 10	17 11 22	18°29'15	17°48	20°35	3°28	21°29	9°54	8° 7	18°14	11°55	12°34	28°36	0°12	5°40	0°48	S 10
S 11	17 15 18	19°26'31	2♂27	22°46	4°19	21°27	10° 3	8°11	18°17	11°56	12°35	28°32	0° 9	5°47	0°46	S 11
M12	17 19 15	20°23'47	16°45	24°56	5°10	21°25	10°12	8°15	18°20	11°57	12°36	28°30	0° 6	5°53	0°44	M12
T 13	17 23 11	21°21'02	0♂38	27° 6	6° 2	21°22	10°21	8°19	18°24	11°58	12°37	28°D29	0° 3	6° 0	0°42	T 13
W14	17 27 8	22°18'17	14° 4	29°14	6°55	21°18	10°30	8°22	18°27	11°59	12°39	28°30	29♂59	6° 7	0°40	W14
T 15	17 31 4	23°15'32	27° 6	1♂21	7°48	21°13	10°38	8°26	18°31	12° 0	12°40	28°31	29°56	6°14	0°39	T 15
F 16	17 35 1	24°12'46	9♂44	3°26	8°42	21° 7	10°47	8°29	18°34	12° 1	12°41	28°33	29°53	6°20	0°37	F 16
S 17	17 38 58	25°10'00	22° 5	5°30	9°37	21° 1	10°55	8°33	18°37	12° 2	12°42	28°R34	29°50	6°27	0°36	S 17
S 18	17 42 54	26° 7'14	4V'12	7°31	10°32	20°54	11° 4	8°36	18°41	12° 3	12°44	28°34	29°47	6°34	0°34	S 18
M19	17 46 51	27° 4'28	16° 9	9°31	11°27	20°46	11°12	8°40	18°44	12° 4	12°45	28°32	29°44	6°41	0°33	M19
T 20	17 50 47	28° 1'41	28° 2	11°29	12°23	20°38	11°20	8°43	18°48	12° 5	12°47	28°29	29°41	6°47	0°32	T 20
W21	17 54 44	28°58'55	9♂54	13°25	13°19	20°28	11°28	8°46	18°51	12° 6	12°48	28°25	29°37	6°54	0°31	W21
T 22	17 58 40	29°56'09	21°49	15°19	14°16	20°19	11°35	8°49	18°55	12° 6	12°49	28°20	29°34	7° 1	0°30	T 22
F 23	18 2 37	0♂53'22	3II50	17°10	15°13	20° 8	11°43	8°52	18°58	12° 7	12°51	28°15	29°31	7° 7	0°30	F 23
S 24	18 6 33	1°50'35	15°59	19° 0	16°11	19°57	11°50	8°55	19° 2	12° 8	12°52	28°11	29°28	7°14	0°29	S 24
S 25	18 10 30	2°47'48	28°18	20°47	17° 9	19°45	11°58	8°57	19° 5	12° 9	12°54	28° 8	29°25	7°21	0°28	S 25
M26	18 14 27	3°45'02	10♂48	22°32	18° 7	19°33	12° 5	9° 0	19° 9	12° 9	12°55	28° 6	29°22	7°28	0°28	M26
T 27	18 18 23	4°42'14	23°29	24°15	19° 6	19°20	12°12	9° 3	19°12	12°10	12°57	28°D 5	29°18	7°34	0°27	T 27
W28	18 22 20	5°39'27	6♂23	25°56	20° 5	19° 6	12°19	9° 5	19°16	12°10	12°58	28° 5	29°15	7°41	0°27	W28
T 29	18 26 16	6°36'40	19°31	27°35	21° 4	18°52	12°25	9° 7	19°20	12°11	13° 0	28° 6	29°12	7°48	0°27	T 29
F 30	18 30 13	7♂33'52	2♂52	29♂11	22♂ 4	18♂37	12V'32	9V'10	19♂23	12V'12	13♂ 1	28♂ 7	29♂ 9	7♂54	0°D27	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	21n58	18n49	0n56	20n 1	0s23	8n17	2s 3	24s47	3s 1	2n15	1s12	0n53	2s16	22n44	0n27	3n13	1s33	24n48	8n 2	20n23	20n 2	8n15	10s50	1n 8			
F 2	22 6	15 58	2 3	20 37	0 13	8 29	2 8	24 51	3 6	2 18	1 12	0 55	2 16	22 44	0 27	3 13	1 33	24 47	8 2	20 23	20 3	8 18	10 48	1 9			
S 3	22 14	12 14	3 6	21 11	0 2	8 40	2 12	24 54	3 10	2 22	1 13	0 57	2 16	22 44	0 27	3 14	1 33	24 47	8 1	20 23	20 4	8 20	10 47	1 9			
S 4	22 22	7 46	3 59	21 44	0n 9	8 52	2 17	24 58	3 14	2 26	1 13	0 58	2 16	22 43	0 27	3 14	1 33	24 47	8 1	20 23	20 4	8 22	10 46	1 9			
M 5	22 29	2 46	4 39	22 15	0 19	9 5	2 21	25 2	3 19	2 30	1 13	1 0	2 17	22 43	0 27	3 15	1 33	24 46	8 1	20 23	20 5	8 24	10 45	1 10			
T 6	22 36	2s29	5 3	22 43	0 30	9 17	2 25	25 6	3 23	2 33	1 13	1 1	2 17	22 42	0 27	3 15	1 33	24 46	8 1	20 24	20 6	8 27	10 44	1 10			
W 7	22 42	7 42	5 8	23 10	0 40	9 30	2 29	25 10	3 27	2 37	1 13	1 3	2 17	22 42	0 27	3 16	1 34	24 45	8 1	20 25	20 6	8 29	10 43	1 10			
T 8	22 48	12 31	4 52	23 34	0 49	9 44	2 33	25 14	3 32	2 40	1 14	1 4	2 17	22 41	0 27	3 16	1 34	24 45	8 1	20 26	20 7	8 31	10 42	1 10			
F 9	22 53	16 35	4 16	23 56	0 58	9 58	2 36	25 19	3 36	2 44	1 14	1 5	2 18	22 41	0 27	3 16	1 34	24 44	8 1	20 27	20 8	8 33	10 41	1 11			
S 10	22 59	19 33	3 23	24 15	1 7	10 12	2 39	25 23	3 41	2 47	1 14	1 7	2 18	22 41	0 27	3 17	1 34	24 44	8 1	20 28	20 8	8 36	10 40	1 11			
S 11	23 3	21 11	2 17	24 31	1 15	10 26	2 42	25 28	3 45	2 51	1 14	1 8	2 18	22 40	0 27	3 17	1 34	24 44	8 1	20 29	20 9	8 38	10 39	1 11			
M12	23 8	21 23	1 3	24 45	1 22	10 41	2 45	25 33	3 50	2 54	1 15	1 9	2 18	22 40	0 27	3 18	1 34	24 43	8 0	20 30	20 10	8 40	10 38	1 11			
T 13	23 12	20 14	0s12	24 55	1 29	10 55	2 47	25 38	3 54	2 57	1 15	1 11	2 18	22 39	0 27	3 18	1 34	24 43	8 0	20 30	20 10	8 43	10 37	1 11			
W14	23 15	17 58	1 24	25 3	1 35	11 10	2 50	25 43	3 59	3 1	1 15	1 12	2 19	22 39	0 27	3 18	1 34	24 42	8 0	20 30	20 11	8 45	10 36	1 12			
T 15	23 18	14 50	2 30	25 8	1 40	11 25	2 52	25 48	4 3	3 4	1 15	1 13	2 19	22 38	0 27	3 19	1 34	24 42	8 0	20 29	20 12	8 47	10 36	1 12			
F 16	23 21	11 6	3 26	25 11	1 45	11 41	2 54	25 54	4 8	3 7	1 15	1 14	2 19	22 38	0 27	3 19	1 34	24 41	8 0	20 29	20 12	8 49	10 35	1 12			
S 17	23 23	6 59	4 11	25 10	1 49	11 56	2 56	25 59	4 12	3 10	1 16	1 15	2 20	22 37	0 27	3 19	1 34	24 41	8 0	20 29	20 13	8 52	10 34	1 12			
S 18	23 25	2 41	4 45	25 7	1 52	12 12	2 57	26 5	4 17	3 13	1 16	1 17	2 20	22 37	0 27	3 20	1 34	24 40	8 0	20 29	20 14	8 54	10 33	1 13			
M19	23 27	1n40	5 5	25 2	1 54	12 27	2 59	26 10	4 21	3 16	1 16	1 18	2 20	22 36	0 27	3 20	1 34	24 40	8 0	20 29	20 14	8 56	10 33	1 13			
T 20	23 28	5 56	5 12	24 54	1 56	12 43	3 0	26 16	4 26	3 19	1 16	1 19	2 20	22 36	0 27	3 20	1 34	24 39	8 0	20 30	20 15	8 58	10 32	1 13			
W21	23 28	9 58	5 6	24 44	1 57	12 59	3 1	26 22	4 30	3 22	1 17	1 20	2 21	22 35	0 27	3 20	1 34	24 39	8 0	20 31	20 16	9 1	10 32	1 13			
T 22	23 29	13 38	4 47	24 32	1 57	13 15	3 2	26 28	4 35	3 25	1 17	1 21	2 21	22 35	0 27	3 21	1 34	24 38	8 0	20 32	20 16	9 3	10 31	1 13			
F 23	23 28	16 47	4 14	24 18	1 56	13 30	3 3	26 34	4 39	3 27	1 17	1 21	2 21	22 34	0 27	3 21	1 34	24 38	7 59	20 33	20 17	9 5	10 31	1 14			
S 24	23 28	19 15	3 31	24 2	1 55	13 46	3 4	26 39	4 43	3 30	1 17	1 22	2 21	22 34	0 27	3 21	1 34	24 37	7 59	20 33	20 18	9 8	10 30	1 14			
S 25	23 27	20 52	2 36	23 44	1 53	14 2	3 4	26 45	4 47	3 33	1 18	1 23	2 22	22 33	0 27	3 21	1 34	24 37	7 59	20 34	20 18	9 10	10 30	1 14			
M26	23 25	21 29	1 34	23 25	1 51	14 18	3 5	26 51	4 51	3 35	1 18	1 24	2 22	22 33	0 27	3 22	1 35	24 36	7 59	20 35	20 19	9 12	10 30	1 14			
T 27	23 24	21 1	0 25	23 4	1 48	14 34	3 5	26 57	4 56	3 38	1 18	1 25	2 22	22 32	0 27	3 22	1 35	24 36	7 59	20 35	20 20	9 14	10 29	1 15			
W28	23 21	19 26	0n46	22 42	1 44	14 49	3 5	27 3	5 0	3 40	1 18	1 25	2 22	22 32	0 27	3 22	1 35	24 35	7 59	20 35	20 20	9 17	10 29	1 15			
T 29	23 19	16 49	1 55	22 18	1 40	15 5	3 5	27 9	5 3	3 43	1 19	1 26	2 23	22 31	0 27	3 22	1 35	24 35	7 59	20 35	20 21	9 19	10 29	1 15			
F 30	23n16	13n16	3n 0	21n54	1n35	15n21	3s 4	27s15	5s 7	3n45	1s19	1n27	2s23	22n31	0n27	3n22	1s35	24n34	7n59	20n34	20n22	9n21	10s29	1n15			

ASTRODIENST EPHEMERIS for the year 1702

geocentric

JULY 1702

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Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 34 9	8 ^h 31'04"	16 ^h 27'	0 ^h 45'	23 ^h 8'4"	18 ^h R22	12 ^h Y38	9 ^h Y12	19 ^h 27'	12 ^h Y12	13 ^h Ω 3	28 ^h 28'	29 ^h 28'6"	8 ^h 8'1"	0 ^h ml27'	S 1
S 2	18 38 6	9 ^h 28'15"	0 ^h 17'	2 ^h 17'	24 ^h 5'	18 ^h 3'7"	12 ^h 44'	9 ^h 14'	19 ^h 30'	12 ^h 13'	13 ^h 4'	28 ^h 9'	29 ^h 2'	8 ^h 8'	0 ^h 27'	S 2
M 3	18 42 2	10 ^h 25'27"	14 ^h 20'	3 ^h 47'	25 ^h 6'	17 ^h 51'	12 ^h 50'	9 ^h 16'	19 ^h 34'	12 ^h 13'	13 ^h 6'	28 ^h R 9	28 ^h 59'	8 ^h 15'	0 ^h 28'	M 3
T 4	18 45 59	11 ^h 22'38"	28 ^h 36'	5 ^h 15'	26 ^h 7'	17 ^h 35'	12 ^h 56'	9 ^h 18'	19 ^h 38'	12 ^h 13'	13 ^h 8'	28 ^h 9'	28 ^h 56'	8 ^h 21'	0 ^h 28'	T 4
W 5	18 49 56	12 ^h 19'49"	13 ^h ml 3	6 ^h 40'	27 ^h 8'	17 ^h 19'	13 ^h 2'	9 ^h 20'	19 ^h 41'	12 ^h 14'	13 ^h 9'	28 ^h 7'	28 ^h 53'	8 ^h 28'	0 ^h 29'	W 5
T 6	18 53 52	13 ^h 17'00"	27 ^h 35'	8 ^h 3'	28 ^h 10'	17 ^h 2'	13 ^h 8'	9 ^h 21'	19 ^h 45'	12 ^h 14'	13 ^h 11'	28 ^h 6'	28 ^h 50'	8 ^h 35'	0 ^h 29'	T 6
F 7	18 57 49	14 ^h 14'11"	12 ^h ♂ 8	9 ^h 24'	29 ^h 11'	16 ^h 46'	13 ^h 13'	9 ^h 23'	19 ^h 49'	12 ^h 15'	13 ^h 12'	28 ^h 4'	28 ^h 47'	8 ^h 42'	0 ^h 30'	F 7
S 8	19 1 45	15 ^h 11'22"	26 ^h 37'	10 ^h 42'	0 ^h II14	16 ^h 29'	13 ^h 18'	9 ^h 24'	19 ^h 52'	12 ^h 15'	13 ^h 14'	28 ^h 3'	28 ^h 43'	8 ^h 48'	0 ^h 31'	S 8
S 9	19 5 42	16 ^h 8'33"	10 ^h 35'55"	11 ^h 58'	1 ^h 16'	16 ^h 12'	13 ^h 23'	9 ^h 26'	19 ^h 56'	12 ^h 15'	13 ^h 16'	28 ^h 2'	28 ^h 40'	8 ^h 55'	0 ^h 32'	S 9
M10	19 9 38	17 ^h 5'44"	24 ^h 58'	13 ^h 12'	2 ^h 19'	15 ^h 54'	13 ^h 28'	9 ^h 27'	20 ^h 0'	12 ^h 15'	13 ^h 17'	28 ^h D 1	28 ^h 37'	9 ^h 2'	0 ^h 33'	M10
T 11	19 13 35	18 ^h 2'56"	8 ^h 41'	14 ^h 23'	3 ^h 22'	15 ^h 37'	13 ^h 33'	9 ^h 28'	20 ^h 3'	12 ^h 15'	13 ^h 19'	28 ^h 1'	28 ^h 34'	9 ^h 8'	0 ^h 34'	T 11
W12	19 17 32	19 ^h 0'08"	22 ^h 3'	15 ^h 31'	4 ^h 25'	15 ^h 20'	13 ^h 37'	9 ^h 29'	20 ^h 7'	12 ^h 16'	13 ^h 21'	28 ^h 2'	28 ^h 31'	9 ^h 15'	0 ^h 35'	W12
T 13	19 21 28	19 ^h 57'21"	5 ^h 34'	16 ^h 37'	5 ^h 28'	15 ^h 3'	13 ^h 42'	9 ^h 30'	20 ^h 11'	12 ^h 16'	13 ^h 23'	28 ^h 3'	28 ^h 28'	9 ^h 22'	0 ^h 37'	T 13
F 14	19 25 25	20 ^h 54'34"	17 ^h 44'	17 ^h 40'	6 ^h 32'	14 ^h 46'	13 ^h 46'	9 ^h 31'	20 ^h 14'	12 ^h 16'	13 ^h 24'	28 ^h 3'	28 ^h 24'	9 ^h 29'	0 ^h 38'	F 14
S 15	19 29 21	21 ^h 51'48"	0 ^h Y 7	18 ^h 40'	7 ^h 36'	14 ^h 29'	13 ^h 50'	9 ^h 32'	20 ^h 18'	12 ^h 16'	13 ^h 26'	28 ^h 4'	28 ^h 21'	9 ^h 35'	0 ^h 40'	S 15
S 16	19 33 18	22 ^h 49'02"	12 ^h 16'	19 ^h 37'	8 ^h 40'	14 ^h 12'	13 ^h 54'	9 ^h 33'	20 ^h 22'	12 ^h R16	13 ^h 28'	28 ^h 4'	28 ^h 18'	9 ^h 42'	0 ^h 42'	S 16
M17	19 37 14	23 ^h 46'18"	24 ^h 15'	20 ^h 31'	9 ^h 45'	13 ^h 56'	13 ^h 57'	9 ^h 33'	20 ^h 25'	12 ^h 16'	13 ^h 29'	28 ^h R 4	28 ^h 15'	9 ^h 49'	0 ^h 43'	M17
T 18	19 41 11	24 ^h 43'34"	6 ^h 8'9"	21 ^h 22'	10 ^h 49'	13 ^h 40'	14 ^h 1'	9 ^h 34'	20 ^h 29'	12 ^h 16'	13 ^h 31'	28 ^h 4'	28 ^h 12'	9 ^h 55'	0 ^h 45'	T 18
W19	19 45 7	25 ^h 40'51"	18 ^h 2'	22 ^h 9'	11 ^h 54'	13 ^h 24'	14 ^h 4'	9 ^h 34'	20 ^h 33'	12 ^h 16'	13 ^h 33'	28 ^h 4'	28 ^h 8'	10 ^h 2'	0 ^h 47'	W19
T 20	19 49 4	26 ^h 38'09"	29 ^h 59'	22 ^h 53'	12 ^h 59'	13 ^h 9'	14 ^h 7'	9 ^h 34'	20 ^h 36'	12 ^h 16'	13 ^h 35'	28 ^h 4'	28 ^h 5'	10 ^h 9'	0 ^h 49'	T 20
F 21	19 53 1	27 ^h 35'28"	12 ^h II 4	23 ^h 33'	14 ^h 4'	12 ^h 53'	14 ^h 10'	9 ^h 34'	20 ^h 40'	12 ^h 16'	13 ^h 37'	28 ^h D 4	28 ^h 2'	10 ^h 16'	0 ^h 52'	F 21
S 22	19 56 57	28 ^h 32'47"	24 ^h 20'	24 ^h 10'	15 ^h 9'	12 ^h 39'	14 ^h 13'	9 ^h R34	20 ^h 44'	12 ^h 15'	13 ^h 38'	28 ^h 4'	27 ^h 59'	10 ^h 22'	0 ^h 54'	S 22
S 23	20 0 54	29 ^h 30'08"	6 ^h 28'49"	24 ^h 42'	16 ^h 15'	12 ^h 25'	14 ^h 15'	9 ^h 34'	20 ^h 47'	12 ^h 15'	13 ^h 40'	28 ^h 4'	27 ^h 56'	10 ^h 29'	0 ^h 56'	S 23
M24	20 4 50	0 ^h Ω27'29"	19 ^h 34'	25 ^h 11'	17 ^h 21'	12 ^h 11'	14 ^h 18'	9 ^h 34'	20 ^h 51'	12 ^h 15'	13 ^h 42'	28 ^h 4'	27 ^h 53'	10 ^h 36'	0 ^h 59'	M24
T 25	20 8 47	1 ^h 24'51"	2 ^h Ω35'	25 ^h 35'	18 ^h 27'	11 ^h 58'	14 ^h 20'	9 ^h 34'	20 ^h 54'	12 ^h 15'	13 ^h 44'	28 ^h R 4	27 ^h 49'	10 ^h 43'	1 ^h 2'	T 25
W26	20 12 43	2 ^h 22'14"	15 ^h 52'	25 ^h 54'	19 ^h 33'	11 ^h 46'	14 ^h 22'	9 ^h 34'	20 ^h 58'	12 ^h 14'	13 ^h 46'	28 ^h 4'	27 ^h 46'	10 ^h 49'	1 ^h 4'	W26
T 27	20 16 40	3 ^h 19'38"	29 ^h 24'	26 ^h 9'	20 ^h 39'	11 ^h 34'	14 ^h 23'	9 ^h 33'	21 ^h 2'	12 ^h 14'	13 ^h 47'	28 ^h 3'	27 ^h 43'	10 ^h 56'	1 ^h 7'	T 27
F 28	20 20 36	4 ^h 17'02"	13 ^h II 9	26 ^h 19'	21 ^h 45'	11 ^h 23'	14 ^h 25'	9 ^h 33'	21 ^h 5'	12 ^h 14'	13 ^h 49'	28 ^h 3'	27 ^h 40'	11 ^h 3'	1 ^h 10'	F 28
S 29	20 24 33	5 ^h 14'27"	27 ^h 5'	26 ^h R24	22 ^h 52'	11 ^h 12'	14 ^h 26'	9 ^h 32'	21 ^h 9'	12 ^h 13'	13 ^h 51'	28 ^h 2'	27 ^h 37'	11 ^h 9'	1 ^h 13'	S 29
S 30	20 28 30	6 ^h 11'53"	11 ^h Ω10	26 ^h 24'	23 ^h 59'	11 ^h 2'	14 ^h 27'	9 ^h 31'	21 ^h 12'	12 ^h 13'	13 ^h 53'	28 ^h 1'	27 ^h 34'	11 ^h 16'	1 ^h 16'	S 30
M31	20 32 26	7 ^h Ω 9'19"	25 ^h Ω20	26 ^h Ω19	25 ^h II 5	10 ^h 35'3	14 ^h Y28	9 ^h Y30	21 ^h Ω16	12 ^h Y12	13 ^h Ω55	28 ^h 2'	27 ^h 30'	11 ^h 23'	1 ^h ml20	M31

Day	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	23n12	8n58	3n56	21n28	1n29	15n36	3 s 4	27s21	5 s11	3n47	1 s19	1n27	2s23	22n30	0n27	3n22	1s35	24n34	7n59
S 2	23 8	4 9	4 39	21 2	1 23	15 51	3 4	27 27	5 15	3 49	1 19	1 28	2 24	22 30	0 27	3 23	1 35	24 33	7 59
M 3	23 4	0s57	5 6	20 34	1 17	16 6	3 3	27 32	5 18	3 51	1 20	1 28	2 24	22 29	0 27	3 23	1 35	24 33	7 59
T 4	22 59	6 5	5 15	20 6	1 9	16 21	3 2	27 38	5 21	3 53	1 20	1 29	2 24	22 29	0 27	3 23	1 35	24 32	7 59
W 5	22 54	10 56	5 5	19 38	1 2	16 36	3 1	27 43	5 25	3 55	1 20	1 29	2 24	22 28	0 27	3 23	1 35	24 32	7 59
T 6	22 49	15 11	4 35	19 9	0 54	16 51	3 0	27 48	5 28	3 57	1 20	1 30	2 25	22 28	0 27	3 23	1 35	24 31	7 59
F 7	22 43	18 32	3 47	18 39	0 45	17 5	2 59	27 54	5 31	3 59	1 21	1 30	2 25	22 27	0 27	3 23	1 35	24 31	7 59
S 8	22 37	20 41	2 45	18 10	0 36	17 20	2 58	27 59	5 34	4 1	1 21	1 30	2 25	22 27	0 27	3 23	1 35	24 30	7 59
S 9	22 30	21 29	1 33	17 40	0 27	17 34	2 57	28 3	5 36	4 3	1 21	1 31	2 25	22 26	0 27	3 23	1 35	24 30	7 59
M10	22 23	20 54	0 17	17 9	0 17	17 47	2 55	28 8	5 39	4 4	1 22	1 31	2 26	22 26	0 27	3 23	1 35	24 29	7 59
T 11	22 15	19 4	0s59	16 39	0 7	18 1	2 54	28 13	5 41	4 6	1 22	1 31	2 26	22 25	0 27	3 23	1 35	24 29	7 59
W12	22 8	16 13	2 9	16 9	0s 4	18 14	2 52	28 17	5 44	4 7	1 22	1 31	2 26	22 25	0 27	3 23	1 35	24 28	7 59
T 13	21 59	12 38	3 11	15 39	0 15	18 27	2 51	28 21	5 46	4 9	1 22	1 32	2 27	22 24	0 27	3 23	1 36	24 27	7 59
F 14	21 51	8 34	4 2	15 9	0 26	18 40	2 49	28 25	5 48	4 10	1 23	1 32	2 27	22 24	0 27	3 23	1 36	24 27	7 59
S 15	21 42	4 14	4 40	14 40	0 37	18 52	2 47	28 29	5 50	4 11	1 23	1 32	2 27	22 23	0 27	3 23	1 36	24 26	7 58
S 16	21 33	0n10	5 5	14 11	0 49	19 4	2 45	28 32	5 51	4 13	1 23	1 32	2 27	22 22	0 27	3 23	1 36	24 26	7 58
M17	21 23	4 31	5 16	13 42	1 1	19 16	2 43	28 35	5 53	4 14	1 24	1 32	2 28	22 22	0 27	3 23	1 36	24 25	7 58
T 18	21 13	8 39	5 14	13 14	1 14	19 27	2 41	28 39	5 54	4 15	1 24	1 32	2 28	22 21	0 27	3 23	1 36	24 25	7 58
W19	21 2	12 28	4 58	12 47	1 26	19 38	2 38	28 41	5 55	4 16	1 24	1 31	2 28	22 21	0 27	3 23	1 36	24 24	7 58
T 20	20 52	15 48	4 29	12 21	1 39	19 49	2 36	28 44	5 56	4 17	1 24	1 31	2 29	22 20	0 27	3 23	1 36	24 24	7 58
F 21	20 41	18 30	3 48	11 56	1 52	19 59	2 33	28 46	5 57	4 18	1 25	1 31	2 29	22 20	0 27	3 23	1 36	24 23	7 58
S 22	20 29	20 25	2 56	11 32	2 5	20 9	2 31	28 48	5 58	4 18	1 25	1 31	2 29	22 19	0 27	3 23	1 36	24 23	7 59
S 23	20 17	21 23	1 55	11 9	2 18	20 18	2 28	28 50	5 58	4 19	1 25	1 31	2 29	22 19	0 27	3 22	1 36	24 22	7 59
M24	20 5	21 16	0 47	10 47	2 31	20 27	2 26	28 52	5 58	4 20	1 25	1 30	2 30	22 18	0 27	3 22	1 36	24 22	7 59
T 25	19 53	20 1	0n25	10 27	2 44	20 36	2 23	28 53	5 58	4 20	1 26	1 30	2 30	22 18	0 27	3 22	1 36	24 21	7 59
W26	19 40	17 39	1 37	10 8	2 57	20 44	2 20	28 54	5 58	4 21	1 26	1 30	2 30	22 17	0 27	3 22	1 36	24 21	7 59
T 27	19 27	14 17	2 45	9 51	3 9	20 52	2 18	28 55	5 58	4 21	1 26	1 29	2 31	22 16	0 27	3 22	1 36	24 20	7 59
F 28	19 13	10 5	3 45	9 36	3 22	20 59	2 15	28 56	5 58	4 22	1 27	1 29	2 31	22 16	0 27	3 22	1 36	24 20	7 59
S 29	18 59	5 19	4 32	9 23	3 34	21 6	2 12	28 56	5 57	4 22	1 27	1 28	2 31	22 15	0 27	3 21	1 36	24 19	7 59
S 30	18 45	0 13	5 3	9 12	3 46	21 12	2 9	28 57	5 57	4 22	1 27	1 28	2 31	22 15	0 27	3 21	1 37	24 19	7 59
M31	18n31	4s55	5n16	9n 3	3s57	21n18	2s 6	28s57	5s56	4n22	1s27	1n27	2s32	22n14	0n27	3n21	1s37	24n18	7n59

ASTRODIENST EPHEMERIS for the year 1702
geocentric

AUGUST 1702

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	20 36 23	8♌ 6'46	9♍34	26°R 8	26♊12	10°R45	14♋29	9°R29	21♌20	12°R12	13♌56	28°D 1	27♌27	11♌30	1♌23	T 1
W 2	20 40 19	9° 4'14	23°49	25♌53	27°20	10♌38	14°30	9♋28	21°23	12♋11	13°58	28♌ 1	27°24	11°36	1°27	W 2
T 3	20 44 16	10° 1'42	8♌ 1	25°32	28°27	10°31	14°30	9°27	21°27	12°11	14° 0	28° 2	27°21	11°43	1°30	T 3
F 4	20 48 12	10°59'12	22° 9	25° 5	29°34	10°25	14°R30	9°26	21°30	12°10	14° 2	28° 3	27°18	11°50	1°34	F 4
S 5	20 52 9	11°56'42	6♌10	24°34	0♌42	10°20	14°30	9°25	21°34	12°10	14° 4	28° 4	27°14	11°56	1°38	S 5
S 6	20 56 5	12°54'13	20° 1	23°59	1°50	10°16	14°30	9°23	21°37	12° 9	14° 6	28° 4	27°11	12° 3	1°41	S 6
M 7	21 0 2	13°51'45	3♌40	23°19	2°58	10°12	14°30	9°22	21°41	12° 8	14° 8	28°R 4	27° 8	12°10	1°45	M 7
T 8	21 3 59	14°49'18	17° 5	22°36	4° 6	10°10	14°29	9°20	21°44	12° 8	14° 9	28° 4	27° 5	12°17	1°49	T 8
W 9	21 7 55	15°46'52	0♌14	21°50	5°14	10° 8	14°28	9°18	21°47	12° 7	14°11	28° 2	27° 2	12°23	1°53	W 9
T 10	21 11 52	16°44'28	13° 6	21° 1	6°22	10° 7	14°27	9°16	21°51	12° 6	14°13	28° 0	26°59	12°30	1°58	T 10
F 11	21 15 48	17°42'05	25°42	20°11	7°31	10°D 6	14°26	9°14	21°54	12° 5	14°15	27°57	26°55	12°37	2° 2	F 11
S 12	21 19 45	18°39'43	8♋ 3	19°20	8°39	10° 7	14°24	9°12	21°58	12° 5	14°17	27°54	26°52	12°43	2° 6	S 12
S 13	21 23 41	19°37'23	20°11	18°30	9°48	10° 9	14°23	9°10	22° 1	12° 4	14°19	27°51	26°49	12°50	2°11	S 13
M14	21 27 38	20°35'04	2♌11	17°42	10°57	10°11	14°21	9° 8	22° 4	12° 3	14°20	27°49	26°46	12°57	2°15	M14
T 15	21 31 34	21°32'47	14° 4	16°56	12° 6	10°14	14°19	9° 6	22° 8	12° 2	14°22	27°47	26°43	13° 4	2°20	T 15
W16	21 35 31	22°30'32	25°57	16°13	13°15	10°18	14°17	9° 3	22°11	12° 1	14°24	27°D47	26°40	13°10	2°25	W16
T 17	21 39 27	23°28'18	7♊54	15°35	14°24	10°23	14°14	9° 1	22°14	12° 0	14°26	27°48	26°36	13°17	2°30	T 17
F 18	21 43 24	24°26'06	20° 0	15° 2	15°33	10°28	14°12	8°58	22°17	11°59	14°28	27°49	26°33	13°24	2°34	F 18
S 19	21 47 21	25°23'56	2♌18	14°35	16°43	10°34	14° 9	8°56	22°21	11°58	14°30	27°51	26°30	13°30	2°39	S 19
S 20	21 51 17	26°21'48	14°53	14°14	17°53	10°41	14° 6	8°53	22°24	11°57	14°31	27°53	26°27	13°37	2°45	S 20
M21	21 55 14	27°19'41	27°49	14° 1	19° 2	10°49	14° 3	8°50	22°27	11°56	14°33	27°R53	26°24	13°44	2°50	M21
T 22	21 59 10	28°17'35	11♌ 6	13°D55	20°12	10°58	14° 0	8°47	22°30	11°55	14°35	27°52	26°20	13°51	2°55	T 22
W23	22 3 7	29°15'32	24°44	13°57	21°22	11° 8	13°56	8°44	22°33	11°54	14°37	27°50	26°17	13°57	3° 0	W23
T 24	22 7 3	0♍13'30	8♍41	14° 7	22°32	11°18	13°52	8°41	22°36	11°53	14°39	27°47	26°14	14° 4	3° 6	T 24
F 25	22 11 0	1°11'29	22°55	14°25	23°42	11°29	13°48	8°38	22°40	11°52	14°40	27°42	26°11	14°11	3°11	F 25
S 26	22 14 56	2° 9'30	7♌18	14°51	24°52	11°41	13°44	8°35	22°43	11°50	14°42	27°37	26° 8	14°18	3°17	S 26
S 27	22 18 53	3° 7'32	21°47	15°26	26° 3	11°53	13°40	8°31	22°46	11°49	14°44	27°32	26° 5	14°24	3°22	S 27
M28	22 22 50	4° 5'36	6♌15	16° 8	27°13	12° 6	13°36	8°28	22°49	11°48	14°46	27°28	26° 1	14°31	3°28	M28
T 29	22 26 46	5° 3'41	20°36	16°58	28°24	12°20	13°31	8°25	22°51	11°47	14°47	27°26	25°58	14°38	3°34	T 29
W30	22 30 43	6° 1'48	4♌49	17°56	29°34	12°35	13°26	8°21	22°54	11°45	14°49	27°D25	25°55	14°44	3°40	W30
T 31	22 34 39	6♍59'56	18♌51	19♌ 0	0♌45	12♌50	13♋21	8♋17	22♌57	11♋44	14♌51	27♌25	25♌52	14♌51	3♌46	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
T 1	18n16	9s48	5n10	8n57	4s 7	21n23	2s 3	28s57	5s55	4n22	1s28	1n26	2s32	22n14	0n27	3n21
W 2	18 1 14	9 4 45	8 53	4 17	21 28	1 59	28 56	5 54	4 22	1 28	1 26	2 32	22 13	0 27	3 20	1 37
T 3	17 46	17 41	4 3	8 52	4 25	21 32	1 56	28 56	5 53	4 22	1 28	1 25	2 32	22 13	0 27	3 20
F 4	17 30	20 9	3 6	8 53	4 33	21 36	1 53	28 55	5 52	4 22	1 29	1 24	2 33	22 12	0 27	3 20
S 5	17 14	21 22	1 58	8 58	4 39	21 39	1 50	28 54	5 51	4 22	1 29	1 23	2 33	22 12	0 27	3 20
S 6	16 58	21 15	0 44	9 5	4 44	21 41	1 46	28 53	5 49	4 21	1 29	1 22	2 33	22 11	0 27	3 19
M 7	16 42	19 52	0s31	9 14	4 47	21 44	1 43	28 52	5 48	4 21	1 29	1 23	2 33	22 11	0 27	3 19
T 8	16 25	17 23	1 43	9 26	4 49	21 45	1 40	28 50	5 46	4 20	1 30	1 21	2 34	22 10	0 27	3 19
W 9	16 8	14 2	2 48	9 41	4 49	21 46	1 36	28 49	5 44	4 20	1 30	1 20	2 34	22 9	0 27	3 18
T 10	15 51	10 5	3 43	9 58	4 48	21 47	1 33	28 47	5 43	4 19	1 30	1 19	2 34	22 9	0 27	3 18
F 11	15 33	5 47	4 26	10 17	4 44	21 46	1 29	28 45	5 41	4 18	1 31	1 18	2 34	22 8	0 27	3 18
S 12	15 15	1 20	4 56	10 38	4 38	21 46	1 26	28 43	5 39	4 18	1 31	1 17	2 35	22 8	0 27	3 17
S 13	14 57	3n 5	5 12	11 0	4 31	21 45	1 23	28 41	5 37	4 17	1 31	1 16	2 35	22 7	0 27	3 17
M14	14 39	7 20	5 13	11 24	4 22	21 43	1 19	28 39	5 35	4 16	1 31	1 15	2 35	22 7	0 27	3 17
T 15	14 21	11 17	5 2	11 48	4 11	21 40	1 15	28 36	5 33	4 15	1 32	1 14	2 35	22 6	0 27	3 16
W16	14 2	14 47	4 37	12 12	3 58	21 37	1 12	28 34	5 30	4 14	1 32	1 13	2 36	22 6	0 27	3 16
T 17	13 43	17 42	4 1	12 37	3 44	21 34	1 8	28 31	5 28	4 12	1 32	1 11	2 36	22 5	0 27	3 15
F 18	13 24	19 53	3 13	13 1	3 29	21 30	1 5	28 28	5 26	4 11	1 32	1 10	2 36	22 5	0 27	3 15
S 19	13 4	21 12	2 16	13 24	3 13	21 25	1 1	28 25	5 23	4 10	1 33	1 9	2 36	22 4	0 27	3 15
S 20	12 45	21 28	1 11	13 46	2 56	21 20	0 58	28 22	5 21	4 9	1 33	1 8	2 37	22 4	0 27	3 14
M21	12 25	20 38	0 0	14 7	2 39	21 14	0 54	28 19	5 18	4 7	1 33	1 6	2 37	22 3	0 27	3 14
T 22	12 5	18 37	1n12	14 26	2 20	21 7	0 51	28 16	5 16	4 6	1 33	1 5	2 37	22 3	0 27	3 13
W23	11 45	15 31	2 21	14 43	2 2	21 0	0 47	28 13	5 13	4 4	1 34	1 4	2 37	22 2	0 27	3 13
T 24	11 25	11 29	3 24	14 58	1 44	20 53	0 43	28 9	5 11	4 2	1 34	1 2	2 38	22 2	0 28	3 12
F 25	11 4	6 44	4 16	15 10	1 26	20 44	0 40	28 6	5 8	4 1	1 34	1 1	2 38	22 1	0 28	3 12
S 26	10 43	1 34	4 52	15 19	1 8	20 35	0 36	28 2	5 5	3 59	1 34	0 59	2 38	22 1	0 28	3 11
S 27	10 22	3s43	5 9	15 26	0 50	20 26	0 33	27 58	5 3	3 57	1 35	0 58	2 38	22 0	0 28	3 11
M28	10 1	8 47	5 7	15 29	0 34	20 16	0 29	27 54	5 0	3 55	1 35	0 56	2 38	22 0	0 28	3 10
T 29	9 40	13 20	4 46	15 30	0 17	20 6	0 26	27 50	4 57	3 53	1 35	0 55	2 39	21 59	0 28	3 10
W30	9 19	17 5	4 7	15 27	0 2	19 54	0 22	27 46	4 54	3 51	1 35	0 53	2 39	21 59	0 28	3 9
T 31	8n57	19s47	3n14	15n21	0n12	19n43	0s19	27s42	4s52	3n49	1s36	0n52	2s39	21n59	0n28	3n 9

Julian Day Number = 2342914.5, Delta T = 13.44 sec
Ecliptic obliquity = 23°28'36", Nutation = - 0°00'14", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 20°35'19", Lahiri = 19°42'19"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1702
geocentric

SEPTEMBER 1702

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	22 38 36	7 ^h 58'05	2 ^h 34'1	20 ^h 11	1 ^h 56	13 ^h 36	13 ^h 16	8 ^h 14	23 ^h 0	11 ^h 43	14 ^h 53	27 ^h 27	25 ^h 49	14 ^h 58	3 ^h 52	F 1
S 2	22 42 32	8°56'16	16°19	21°28	3° 7	13°23	13°11	8°10	23° 3	11°41	14°54	27°28	25°45	15° 5	3°58	S 2
S 3	22 46 29	9°54'29	29°45	22°51	4°18	13°40	13° 5	8° 6	23° 6	11°40	14°56	27°R28	25°42	15°11	4° 4	S 3
M 4	22 50 25	10°52'43	13 ^h 38 0	24°19	5°29	13°58	13° 0	8° 2	23° 8	11°39	14°58	27°27	25°39	15°18	4°10	M 4
T 5	22 54 22	11°50'58	26° 2	25°52	6°40	14°16	12°54	7°59	23°11	11°37	15° 0	27°24	25°36	15°25	4°16	T 5
W 6	22 58 19	12°49'15	8 ^h 52	27°29	7°51	14°35	12°48	7°55	23°14	11°36	15° 1	27°19	25°33	15°31	4°23	W 6
T 7	23 2 15	13°47'34	21°31	29° 9	9° 3	14°55	12°42	7°51	23°17	11°35	15° 3	27°11	25°30	15°38	4°29	T 7
F 8	23 6 12	14°45'55	3 ^h 57	0 ^h 52	10°14	15°15	12°36	7°46	23°19	11°33	15° 5	27° 3	25°26	15°45	4°35	F 8
S 9	23 10 8	15°44'18	16°12	2°38	11°26	15°36	12°30	7°42	23°22	11°32	15° 6	26°54	25°23	15°52	4°42	S 9
S 10	23 14 5	16°42'43	28°16	4°25	12°37	15°57	12°23	7°38	23°24	11°30	15° 8	26°45	25°20	15°58	4°49	S 10
M 11	23 18 1	17°41'10	10 ^h 13	6°15	13°49	16°19	12°17	7°34	23°27	11°29	15° 9	26°38	25°17	16° 5	4°55	M 11
T 12	23 21 58	18°39'39	22° 5	8° 5	15° 1	16°42	12°10	7°30	23°29	11°27	15°11	26°32	25°14	16°12	5° 2	T 12
W 13	23 25 54	19°38'10	3 ^h 56	9°57	16°13	17° 5	12° 3	7°25	23°32	11°26	15°13	26°29	25°11	16°18	5° 9	W 13
T 14	23 29 51	20°36'44	15°51	11°49	17°25	17°28	11°56	7°21	23°34	11°24	15°14	26°D27	25° 7	16°25	5°15	T 14
F 15	23 33 48	21°35'20	27°54	13°41	18°37	17°52	11°49	7°16	23°36	11°23	15°16	26°27	25° 4	16°32	5°22	F 15
S 16	23 37 44	22°33'57	10 ^h 11	15°33	19°49	18°16	11°42	7°12	23°39	11°21	15°17	26°28	25° 1	16°39	5°29	S 16
S 17	23 41 41	23°32'38	22°46	17°25	21° 1	18°41	11°35	7° 8	23°41	11°20	15°19	26°R29	24°58	16°45	5°36	S 17
M 18	23 45 37	24°31'20	5 ^h 44	19°17	22°14	19° 6	11°27	7° 3	23°43	11°18	15°20	26°28	24°55	16°52	5°43	M 18
T 19	23 49 34	25°30'04	19° 8	21° 8	23°26	19°32	11°20	6°59	23°45	11°16	15°22	26°26	24°51	16°59	5°50	T 19
W 20	23 53 30	26°28'51	2 ^h 58	22°59	24°39	19°58	11°12	6°54	23°47	11°15	15°23	26°22	24°48	17° 5	5°57	W 20
T 21	23 57 27	27°27'40	17°14	24°49	25°51	20°25	11° 5	6°49	23°50	11°13	15°25	26°15	24°45	17°12	6° 5	T 21
F 22	0 1 23	28°26'31	1 ^h 51	26°39	27° 4	20°52	10°57	6°45	23°52	11°12	15°26	26° 6	24°42	17°19	6°12	F 22
S 23	0 5 20	29°25'23	16°42	28°28	28°17	21°20	10°49	6°40	23°54	11°10	15°28	25°56	24°39	17°25	6°19	S 23
S 24	0 9 16	0 ^h 24'18	1 ^h 37	0 ^h 16	29°29	21°48	10°41	6°35	23°55	11° 8	15°29	25°46	24°36	17°32	6°27	S 24
M 25	0 13 13	1°23'15	16°28	2° 3	0 ^h 42	22°16	10°34	6°31	23°57	11° 7	15°30	25°38	24°32	17°39	6°34	M 25
T 26	0 17 10	2°22'13	1 ^h 7	3°49	1°55	22°45	10°26	6°26	23°59	11° 5	15°32	25°32	24°29	17°46	6°41	T 26
W 27	0 21 6	3°21'13	15°30	5°34	3° 8	23°14	10°18	6°21	24° 1	11° 3	15°33	25°29	24°26	17°52	6°49	W 27
T 28	0 25 3	4°20'15	29°33	7°19	4°21	23°43	10°10	6°17	24° 3	11° 2	15°34	25°D28	24°23	17°59	6°56	T 28
F 29	0 28 59	5°19'19	13 ^h 16	9° 2	5°34	24°13	10° 2	6°12	24° 5	11° 0	15°36	25°28	24°20	18° 6	7° 4	F 29
S 30	0 32 56	6 ^h 18'25	26 ^h 41	10 ^h 45	6 ^h 48	24 ^h 43	9 ^h 54	6 ^h 7	24 ^h 6	10 ^h 58	15 ^h 37	25°R28	24 ^h 17	18 ^h 12	7 ^h 12	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	8n36	21s17	2n10	15n11	0n26	19n31	0s16	27s37	4s49	3n47	1s36	0n50	2s39	21n58	0n28	3n 8	1s38	24n 4	8n 2	20n42	21n 1	11n42	11s29	1n26			
S 2	8 14	21 29	1 0	14 59	0 39	19 18	0 12	27 33	4 46	3 44	1 36	0 48	2 39	21 58	0 28	3 7	1 38	24 3	8 2	20 42	21 2	11 44	11 31	1 26			
S 3	7 52	20 26	0s12	14 43	0 50	19 4	0 9	27 28	4 43	3 42	1 36	0 47	2 39	21 57	0 28	3 7	1 38	24 3	8 2	20 42	21 2	11 46	11 33	1 26			
M 4	7 30	18 16	1 23	14 23	1 1	18 51	0 5	27 23	4 40	3 40	1 36	0 45	2 40	21 57	0 28	3 6	1 38	24 3	8 3	20 42	21 3	11 49	11 34	1 26			
T 5	7 8	15 11	2 28	14 1	1 10	18 36	0 2	27 19	4 38	3 37	1 37	0 43	2 40	21 56	0 28	3 6	1 38	24 2	8 3	20 43	21 3	11 51	11 36	1 26			
W 6	6 45	11 25	3 24	13 36	1 19	18 21	0n 1	27 14	4 35	3 35	1 37	0 42	2 40	21 56	0 28	3 5	1 38	24 2	8 3	20 44	21 4	11 53	11 38	1 27			
T 7	6 23	7 12	4 10	13 8	1 26	18 6	0 5	27 9	4 32	3 32	1 37	0 40	2 40	21 55	0 28	3 5	1 38	24 2	8 3	20 45	21 5	11 55	11 40	1 27			
F 8	6 1	2 45	4 42	12 37	1 32	17 50	0 8	27 4	4 29	3 30	1 37	0 38	2 40	21 55	0 28	3 4	1 38	24 1	8 3	20 47	21 5	11 57	11 42	1 27			
S 9	5 38	1n45	5 1	12 4	1 37	17 33	0 11	26 58	4 26	3 27	1 37	0 36	2 40	21 55	0 28	3 3	1 38	24 1	8 3	20 49	21 6	12 0	11 44	1 27			
S 10	5 15	6 6	5 6	11 29	1 42	17 16	0 14	26 53	4 24	3 24	1 37	0 35	2 40	21 54	0 28	3 3	1 38	24 1	8 4	20 50	21 6	12 2	11 46	1 27			
M11	4 52	10 11	4 58	10 51	1 45	16 59	0 17	26 47	4 21	3 22	1 38	0 33	2 41	21 54	0 28	3 2	1 38	24 0	8 4	20 52	21 7	12 4	11 48	1 28			
T 12	4 30	13 51	4 37	10 12	1 47	16 41	0 20	26 42	4 18	3 19	1 38	0 31	2 41	21 53	0 28	3 2	1 38	24 0	8 4	20 53	21 7	12 6	11 50	1 28			
W13	4 7	16 59	4 4	9 32	1 49	16 22	0 23	26 36	4 15	3 16	1 38	0 29	2 41	21 53	0 28	3 1	1 38	24 0	8 4	20 53	21 8	12 8	11 53	1 28			
T 14	3 44	19 24	3 20	8 50	1 50	16 3	0 26	26 30	4 12	3 13	1 38	0 27	2 41	21 53	0 28	3 0	1 39	23 59	8 4	20 54	21 9	12 10	11 55	1 28			
F 15	3 20	21 1	2 27	8 7	1 50	15 44	0 29	26 24	4 9	3 10	1 38	0 26	2 41	21 52	0 28	3 0	1 39	23 59	8 5	20 54	21 9	12 13	11 57	1 28			
S 16	2 57	21 39	1 26	7 23	1 49	15 24	0 32	26 18	4 7	3 8	1 38	0 24	2 41	21 52	0 28	2 59	1 39	23 59	8 5	20 54	21 10	12 15	11 59	1 28			
S 17	2 34	21 14	0 20	6 38	1 48	15 4	0 35	26 12	4 4	3 5	1 38	0 22	2 41	21 52	0 28	2 59	1 39	23 59	8 5	20 53	21 10	12 17	12 1	1 29			
M18	2 11	19 40	0n49	5 52	1 46	14 43	0 38	26 5	4 1	3 2	1 38	0 20	2 41	21 51	0 28	2 58	1 39	23 58	8 5	20 54	21 11	12 19	12 3	1 29			
T 19	1 47	16 59	1 58	5 6	1 43	14 22	0 41	25 59	3 58	2 59	1 39	0 18	2 41	21 51	0 28	2 57	1 39	23 58	8 5	20 54	21 11	12 21	12 5	1 29			
W20	1 24	13 15	3 2	4 19	1 40	14 0	0 43	25 52	3 55	2 56	1 39	0 16	2 42	21 51	0 28	2 57	1 39	23 58	8 6	20 55	21 12	12 24	12 8	1 29			
T 21	1 1	8 40	3 56	3 32	1 37	13 38	0 46	25 45	3 53	2 53	1 39	0 14	2 42	21 50	0 28	2 56	1 39	23 58	8 6	20 56	21 13	12 26	12 10	1 29			
F 22	0 37	3 29	4 37	2 45	1 33	13 16	0 48	25 38	3 50	2 49	1 39	0 12	2 42	21 50	0 28	2 55	1 39	23 57	8 6	20 58	21 13	12 28	12 12	1 30			
S 23	0 14	1s58	4 59	1 58	1 29	12 53	0 51	25 31	3 47	2 46	1 39	0 11	2 42	21 50	0 28	2 55	1 39	23 57	8 6	21 0	21 14	12 30	12 14	1 30			
S 24	0s10	7 20	5 1	1 11	1 24	12 30	0 53	25 24	3 44	2 43	1 39	0 9	2 42	21 49	0 28	2 54	1 39	23 57	8 7	21 1	21 14	12 32	12 16	1 30			
M25	0 33	12 15	4 43	0 24	1 19	12 7	0 56	25 17	3 42	2 40	1 39	0 7	2 42	21 49	0 28	2 53	1 39	23 57	8 7	21 3	21 15	12 34	12 19	1 30			
T 26	0 57	16 23	4 7	0s23	1 14	11 43	0 58	25 9	3 39	2 37	1 39	0 5	2 42	21 49	0 28	2 53	1 39	23 56	8 7	21 4	21 15	12 37	12 21	1 30			
W27	1 20	19 27	3 16	1 10	1 8	11 18	1 0	25 1	3 36	2 34	1 39	0 3	2 42	21 48	0 28	2 52	1 39	23 56	8 7	21 5	21 16	12 39	12 23	1 31			
T 28	1 44	21 15	2 13	1 57	1 3	10 54	1 3	24 54	3 33	2 31	1 39	0 1	2 42	21 48	0 28	2 51	1 39	23 56	8 7	21 5	21 17	12 41	12 25	1 31			
F 29	2 7	21 45	1 4	2 43	0 57	10 29	1 5	24 46	3 31	2 27	1 39	0s 1	2 42	21 48	0 29	2 51	1 39	23 56	8 8	21 5	21 17	12 43	12 28	1 31			
S 30	2s30	20s57	0s 7	3s29	0n51	10n 4	1n 7	24s38	3s28	2n24	1s39	0s 3	2s42	21n48	0n29	2n50	1s39	23n56	8n 8	21n 5	21n18	12n45	12s30	1n31			

ASTRODIENST EPHEMERIS for the year 1702
geocentric

OCTOBER 1702

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	0 36 52	7♌1732	9♍50	12♎27	8♏1	25♐14	9♑R46	6°R 3	24♒8	10°R57	15♓38	25°R27	24♒13	18♈19	7♏19	S 1
M 2	0 40 49	8°16'41	22°45	14° 8	9°14	25°45	9♑37	5°Y58	24° 9	10°Y55	15°40	25♓24	24°10	18°26	7°27	M 2
T 3	0 44 45	9°15'51	5♌28	15°48	10°28	26°16	9°29	5°53	24°11	10°53	15°41	25°19	24° 7	18°33	7°35	T 3
W 4	0 48 42	10°15'04	18° 0	17°28	11°41	26°47	9°21	5°48	24°12	10°52	15°42	25°10	24° 4	18°39	7°42	W 4
T 5	0 52 39	11°14'19	0♑23	19° 7	12°55	27°19	9°13	5°44	24°14	10°50	15°43	24°59	24° 1	18°46	7°50	T 5
F 6	0 56 35	12°13'35	12°37	20°44	14° 8	27°51	9° 5	5°39	24°15	10°48	15°44	24°46	23°57	18°53	7°58	F 6
S 7	1 0 32	13°12'54	24°43	22°22	15°22	28°24	8°57	5°34	24°17	10°47	15°45	24°32	23°54	18°59	8° 6	S 7
S 8	1 4 28	14°12'15	6♌42	23°58	16°35	28°56	8°49	5°30	24°18	10°45	15°47	24°18	23°51	19° 6	8°14	S 8
M 9	1 8 25	15°11'38	18°36	25°34	17°49	29°29	8°41	5°25	24°19	10°43	15°48	24° 6	23°48	19°13	8°21	M 9
T 10	1 12 21	16°11'03	0♑26	27° 9	19° 3	0♍2	8°33	5°21	24°20	10°42	15°49	23°56	23°45	19°20	8°29	T 10
W 11	1 16 18	17°10'30	12°16	28°43	20°17	0°36	8°25	5°16	24°21	10°40	15°50	23°49	23°42	19°26	8°37	W 11
T 12	1 20 14	18°10'00	24° 9	0♏17	21°31	1° 9	8°17	5°12	24°22	10°38	15°51	23°45	23°38	19°33	8°45	T 12
F 13	1 24 11	19° 9'32	6♑9	1°50	22°45	1°43	8°10	5° 7	24°23	10°37	15°52	23°43	23°35	19°40	8°53	F 13
S 14	1 28 8	20° 9'06	18° 2	3°22	23°59	2°18	8° 2	5° 3	24°24	10°35	15°53	23°43	23°32	19°46	9° 1	S 14
S 15	1 32 4	21° 8'43	0♏53	4°54	25°13	2°52	7°54	4°58	24°25	10°33	15°54	23°43	23°29	19°53	9° 9	S 15
M 16	1 36 1	22° 8'22	13°46	6°25	26°27	3°27	7°47	4°54	24°26	10°32	15°55	23°42	23°26	20° 0	9°18	M 16
T 17	1 39 57	23° 8'03	27° 7	7°56	27°41	4° 2	7°39	4°49	24°27	10°30	15°56	23°39	23°22	20° 7	9°26	T 17
W 18	1 43 54	24° 7'47	10♏58	9°26	28°55	4°37	7°32	4°45	24°28	10°29	15°56	23°33	23°19	20°13	9°34	W 18
T 19	1 47 50	25° 7'32	25°19	10°55	0♍10	5°12	7°24	4°41	24°28	10°27	15°57	23°25	23°16	20°20	9°42	T 19
F 20	1 51 47	26° 7'20	10♌5	12°24	1°24	5°47	7°17	4°37	24°29	10°25	15°58	23°15	23°13	20°27	9°50	F 20
S 21	1 55 43	27° 7'10	25°11	13°52	2°38	6°23	7°10	4°32	24°30	10°24	15°59	23° 3	23°10	20°33	9°58	S 21
S 22	1 59 40	28° 7'01	10♏25	15°19	3°53	6°59	7° 3	4°28	24°30	10°22	16° 0	22°52	23° 7	20°40	10° 7	S 22
M 23	2 3 37	29° 6'55	25°37	16°46	5° 7	7°35	6°56	4°24	24°31	10°21	16° 0	22°42	23° 3	20°47	10°15	M 23
T 24	2 7 33	0♏6'51	10♌37	18°12	6°22	8°12	6°49	4°20	24°31	10°19	16° 1	22°35	23° 0	20°53	10°23	T 24
W 25	2 11 30	1° 6'48	25°16	19°37	7°36	8°48	6°42	4°16	24°31	10°17	16° 2	22°30	22°57	21° 0	10°31	W 25
T 26	2 15 26	2° 6'47	9♌31	21° 2	8°51	9°25	6°36	4°12	24°32	10°16	16° 2	22°28	22°54	21° 7	10°39	T 26
F 27	2 19 23	3° 6'48	23°20	22°26	10° 5	10° 2	6°29	4° 9	24°32	10°14	16° 3	22°D27	22°51	21°14	10°48	F 27
S 28	2 23 19	4° 6'50	6♍44	23°49	11°20	10°39	6°23	4° 5	24°32	10°13	16° 4	22°R27	22°48	21°20	10°56	S 28
S 29	2 27 16	5° 6'54	19°47	25°11	12°35	11°16	6°17	4° 1	24°32	10°11	16° 4	22°27	22°44	21°27	11° 4	S 29
M 30	2 31 12	6° 6'59	2♌32	26°32	13°49	11°53	6°11	3°58	24°32	10°10	16° 5	22°24	22°41	21°34	11°13	M 30
T 31	2 35 9	7♏7'06	15♌3	27♏52	15♌4	12♍31	6°Y 5	3°Y54	24°R32	10°Y 9	16°Ω 5	22♒19	22♒38	21♌40	11♏21	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	decl	lat	decl	lat
S 1	2s54	19s 1	1s15	4s15	0n44	9n38	1n 9	24s29	3s25	2n21	1s39	0s 5	2s42	21n47	0n29	2n49	1s39	23n56	8n 8	21n 5	21n18	12n47	12s32	1n31											
M 2	3 17	16 9	2 19	5 0	0 38	9 13	1 11	24 21	3 23	2 18	1 39	0 6	2 42	21 47	0 29	2 49	1 39	23 55	8 8	21 5	21 19	12 50	12 35	1 32											
T 3	3 41	12 32	3 15	5 45	0 31	8 47	1 13	24 12	3 20	2 15	1 39	0 8	2 42	21 47	0 29	2 48	1 39	23 55	8 9	21 7	21 19	12 52	12 37	1 32											
W 4	4 4	8 26	4 0	6 29	0 25	8 20	1 14	24 4	3 18	2 12	1 39	0 10	2 42	21 47	0 29	2 47	1 39	23 55	8 9	21 8	21 20	12 54	12 39	1 32											
T 5	4 27	4 2	4 33	7 13	0 18	7 54	1 16	23 55	3 15	2 8	1 39	0 12	2 42	21 46	0 29	2 47	1 39	23 55	8 9	21 10	21 20	12 56	12 41	1 32											
F 6	4 50	0n29	4 53	7 56	0 11	7 27	1 18	23 46	3 12	2 5	1 39	0 14	2 42	21 46	0 29	2 46	1 39	23 55	8 9	21 12	21 21	12 58	12 44	1 32											
S 7	5 14	4 56	5 0	8 39	0 4	7 0	1 19	23 37	3 10	2 2	1 39	0 16	2 42	21 46	0 29	2 45	1 39	23 55	8 10	21 15	21 22	13 0	12 46	1 33											
S 8	5 37	9 9	4 53	9 21	0s 3	6 33	1 21	23 27	3 7	1 59	1 39	0 17	2 42	21 46	0 29	2 45	1 39	23 55	8 10	21 17	21 22	13 3	12 48	1 33											
M 9	6 0	13 0	4 34	10 3	0 9	6 5	1 22	23 18	3 5	1 56	1 39	0 19	2 42	21 46	0 29	2 44	1 39	23 55	8 10	21 19	21 23	13 5	12 51	1 33											
T 10	6 23	16 20	4 2	10 44	0 16	5 37	1 24	23 8	3 2	1 53	1 39	0 21	2 42	21 45	0 29	2 43	1 39	23 55	8 11	21 21	21 23	13 7	12 53	1 33											
W 11	6 45	18 59	3 20	11 24	0 23	5 10	1 25	22 59	3 0	1 50	1 39	0 23	2 42	21 45	0 29	2 43	1 39	23 55	8 11	21 22	21 24	13 9	12 55	1 33											
T 12	7 8	20 51	2 29	12 4	0 30	4 41	1 26	22 49	2 57	1 47	1 39	0 25	2 42	21 45	0 29	2 42	1 39	23 54	8 11	21 23	21 24	13 11	12 58	1 34											
F 13	7 31	21 49	1 31	12 43	0 37	4 13	1 27	22 39	2 55	1 44	1 39	0 26	2 42	21 45	0 29	2 42	1 39	23 54	8 11	21 23	21 25	13 13	13 0	1 34											
S 14	7 53	21 45	0 28	13 21	0 44	3 45	1 28	22 28	2 52	1 41	1 39	0 28	2 42	21 45	0 29	2 41	1 39	23 54	8 12	21 24	21 25	13 15	13 2	1 34											
S 15	8 16	20 37	0n38	13 58	0 51	3 16	1 29	22 18	2 50	1 38	1 38	0 30	2 42	21 45	0 29	2 40	1 39	23 54	8 12	21 24	21 26	13 18	13 5	1 34											
M 16	8 38	18 23	1 44	14 35	0 57	2 48	1 30	22 8	2 47	1 35	1 38	0 31	2 42	21 45	0 29	2 40	1 39	23 54	8 12	21 24	21 26	13 20	13 7	1 35											
T 17	9 0	15 6	2 47	15 11	1 4	2 19	1 31	21 57	2 45	1 32	1 38	0 33	2 42	21 44	0 29	2 39	1 39	23 54	8 13	21 24	21 27	13 22	13 9	1 35											
W 18	9 22	10 53	3 42	15 46	1 11	1 50	1 32	21 46	2 42	1 29	1 38	0 35	2 41	21 44	0 29	2 38	1 39	23 54	8 13	21 25	21 28	13 24	13 12	1 35											
T 19	9 44	5 55	4 25	16 21	1 17	1 21	1 33	21 35	2 40	1 27	1 38	0 36	2 41	21 44	0 29	2 38	1 39	23 54	8 13	21 27	21 28	13 26	13 14	1 35											
F 20	10 6	0 29	4 52	16 54	1 24	0 52	1 33	21 24	2 38	1 24	1 38	0 38	2 41	21 44	0 29	2 37	1 39	23 54	8 13	21 28	21 29	13 28	13 17	1 35											
S 21	10 28	5s 6	5 0	17 27	1 30	0 23	1 34	21 13	2 35	1 21	1 38	0 39	2 41	21 44	0 29	2 36	1 39	23 54	8 14	21 30	21 29	13 30	13 19	1 36											
S 22	10 49	10 26	4 46	17 59	1 36	0s 6	1 34	21 1	2 33	1 18	1 38	0 41	2 41	21 44	0 29	2 36	1 39	23 54	8 14	21 32	21 30	13 33	13 21	1 36											
M 23	11 11	15 6	4 13	18 30	1 42	0 35	1 35	20 50	2 31	1 16	1 37	0 43	2 41	21 44	0 29	2 35	1 39	23 54	8 14	21 34	21 30	13 35	13 24	1 36											
T 24	11 32	18 45	3 22	19 0	1 48	1 4	1 35	20 38	2 28	1 13	1 37	0 44	2 41	21 44	0 29	2 35	1 39	23 55	8 15	21 35	21 31	13 37	13 26	1 36											
W 25	11 53	21 5	2 18	19 29	1 53	1 34	1 35	20 26	2 26	1 11	1 37	0 45	2 41	21 44	0 29	2 34	1 39	23 55	8 15	21 36	21 31	13 39	13 28	1 37											
T 26	12 14	22 0	1 8	19 57	1 59	2 3	1 36	20 14	2 24	1 8	1 37	0 47	2 41	21 44	0 29	2 34	1 39	23 55	8 15	21 36	21 32	13 41	13 31	1 37											
F 27	12 34	21 32	0s 5	20 24	2 4	2 32	1 36	20 2	2 21	1 6	1 37	0 48	2 40	21 44	0 29	2 33	1 39	23 55	8 15	21 36	21 32	13 43	13 33	1 37											
S 28	12 55	19 49	1 15	20 50	2 9	3 1	1 36	19 49	2 19	1 4	1 37	0 50	2 40	21 44	0 29	2 32	1 39	23 55	8 16	21 36	21 33	13 45	13 35	1 37											
S 29	13 15	17 6	2 19	21 15	2 14	3 30	1 36	19 37	2 17	1 1	1 36	0 51	2 40	21 44	0 30	2 32	1 39	23 55	8 16	21 36	21 33	13 47	13 38	1 38											
M 30	13 35	13 37	3 15	21 39	2 18	4 0	1 36	19 24	2 15	0 59	1 36	0 52	2 40	21 44	0 30	2 31	1 39	23 55	8 16	21 37	21 34	13 50	13 40	1 38											
T 31	13s55	9s36	4s 0	22s 2	2s22	4s29	1n35	19s12	2s12	0n57	1s36	0s54	2s40	21n44	0n30	2n31	1s39	23n55	8n17	21n38	21n34	13n52	13s42	1n38											

ASTRODIENST EPHEMERIS for the year 1702
geocentric

NOVEMBER 1702

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	2 39 6	8♈ 7'14	27♏22	29♈11	16♏19	13♏9	5°R59	3°R51	24°R32	10°R 7	16♏ 6	22°R10	22♏35	21♏47	11♈29	W 1
T 2	2 43 2	9° 7'25	9♏32	0♏29	17°33	13°46	5°Y54	3°Y47	24♏32	10°Y 6	16° 6	21♏59	22°32	21°54	11°37	T 2
F 3	2 46 59	10° 7'36	21°35	1°45	18°48	14°24	5°48	3°44	24°32	10° 4	16° 7	21°47	22°28	22° 1	11°46	F 3
S 4	2 50 55	11° 7'50	3♏33	3° 0	20° 3	15° 3	5°43	3°41	24°32	10° 3	16° 7	21°33	22°25	22° 7	11°54	S 4
S 5	2 54 52	12° 8'05	15°28	4°13	21°18	15°41	5°38	3°37	24°32	10° 2	16° 8	21°20	22°22	22°14	12° 2	S 5
M 6	2 58 48	13° 8'22	27°19	5°24	22°33	16°19	5°33	3°34	24°32	10° 0	16° 8	21° 8	22°19	22°21	12°11	M 6
T 7	3 2 45	14° 8'41	9♏ 9	6°33	23°48	16°58	5°28	3°31	24°31	9°59	16° 8	20°58	22°16	22°27	12°19	T 7
W 8	3 6 41	15° 9'01	21° 1	7°40	25° 3	17°36	5°24	3°28	24°31	9°58	16° 9	20°51	22°13	22°34	12°27	W 8
T 9	3 10 38	16° 9'24	2♏55	8°44	26°18	18°15	5°20	3°26	24°30	9°56	16° 9	20°47	22° 9	22°41	12°35	T 9
F 10	3 14 35	17° 9'48	14°57	9°45	27°33	18°54	5°15	3°23	24°30	9°55	16° 9	20°45	22° 6	22°47	12°44	F 10
S 11	3 18 31	18°10'15	27°10	10°43	28°48	19°33	5°11	3°20	24°29	9°54	16° 9	20°D45	22° 3	22°54	12°52	S 11
S 12	3 22 28	19°10'43	9♏38	11°37	0♈ 3	20°12	5° 8	3°18	24°29	9°53	16°10	20°46	22° 0	23° 1	13° 0	S 12
M13	3 26 24	20°11'13	22°27	12°27	1°18	20°51	5° 4	3°15	24°28	9°51	16°10	20°R46	21°57	23° 8	13° 9	M13
T 14	3 30 21	21°11'44	5♏40	13°12	2°33	21°30	5° 1	3°13	24°27	9°50	16°10	20°45	21°54	23°14	13°17	T 14
W15	3 34 17	22°12'18	19°22	13°51	3°48	22°10	4°57	3°11	24°26	9°49	16°10	20°42	21°50	23°21	13°25	W15
T 16	3 38 14	23°12'53	3♏33	14°24	5° 3	22°49	4°54	3° 8	24°26	9°48	16°10	20°36	21°47	23°28	13°33	T 16
F 17	3 42 10	24°13'30	18°12	14°51	6°19	23°29	4°52	3° 6	24°25	9°47	16°10	20°29	21°44	23°34	13°41	F 17
S 18	3 46 7	25°14'09	3♈14	15° 9	7°34	24° 8	4°49	3° 4	24°24	9°46	16°R10	20°20	21°41	23°41	13°50	S 18
S 19	3 50 4	26°14'49	18°31	15°20	8°49	24°48	4°47	3° 2	24°23	9°45	16°10	20°11	21°38	23°48	13°58	S 19
M20	3 54 0	27°15'31	3♏50	15°R21	10° 4	25°28	4°44	3° 1	24°22	9°44	16°10	20° 4	21°34	23°54	14° 6	M20
T 21	3 57 57	28°16'15	19° 2	15°13	11°20	26° 8	4°42	2°59	24°21	9°43	16°10	19°58	21°31	24° 1	14°14	T 21
W22	4 1 53	29°16'59	3♏55	14°54	12°35	26°48	4°41	2°57	24°20	9°42	16°10	19°55	21°28	24° 8	14°22	W22
T 23	4 5 50	0♏17'45	18°24	14°24	13°50	27°28	4°39	2°56	24°18	9°41	16°10	19°D54	21°25	24°15	14°30	T 23
F 24	4 9 46	1°18'32	2♏26	13°43	15° 5	28° 8	4°38	2°55	24°17	9°40	16° 9	19°54	21°22	24°21	14°38	F 24
S 25	4 13 43	2°19'19	15°59	12°52	16°21	28°48	4°36	2°53	24°16	9°39	16° 9	19°55	21°19	24°28	14°46	S 25
S 26	4 17 39	3°20'08	29° 7	11°51	17°36	29°29	4°35	2°52	24°15	9°38	16° 9	19°R56	21°15	24°35	14°54	S 26
M27	4 21 36	4°20'57	11♏53	10°41	18°51	0♏ 9	4°35	2°51	24°13	9°37	16° 9	19°56	21°12	24°41	15° 2	M27
T 28	4 25 33	5°21'48	24°20	9°24	20° 7	0°50	4°34	2°50	24°12	9°37	16° 9	19°54	21° 9	24°48	15°10	T 28
W29	4 29 29	6°22'39	6♏Y33	8° 3	21°22	1°30	4°34	2°49	24°10	9°36	16° 8	19°50	21° 6	24°55	15°18	W29
T 30	4 33 26	7♏23'31	18°Y36	6♏41	22♈37	2♏11	4°D34	2°Y49	24♏ 9	9°Y35	16♏ 8	19♏44	21♏ 3	25♏ 1	15♈26	T 30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
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Julian Day Number = 2343006.5, Delta T = 13.36 sec
Ecliptic obliquity = 23°28'37", Nutation = - 0°00'17", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 20°35'31", Lahiri = 19°42'32Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1702
geocentric

DECEMBER 1702

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	4 37 22	8♂24'24"	0♂33	5°R19	23♂.53	2♂51	4♂34	2°R48	24°R 7	9°R34	16°R 8	19°R37	21♂ 0	25♂ 8	15♂.34	F 1
S 2	4 41 19	9°25'18"	12°26	4♂ 1	25° 8	3°32	4°34	2♂47	24♂ 6	9♂34	16♂ 7	19♂29	20°56	25°15	15°42	S 2
S 3	4 45 15	10°26'13"	24°17	2°49	26°24	4°13	4°35	2°47	24° 4	9°33	16° 7	19°21	20°53	25°22	15°50	S 3
M 4	4 49 12	11°27'09"	6♂ 8	1°45	27°39	4°53	4°35	2°47	24° 2	9°33	16° 6	19°14	20°50	25°28	15°58	M 4
T 5	4 53 8	12°28'05"	18° 2	0°51	28°54	5°34	4°36	2°46	24° 1	9°32	16° 6	19° 8	20°47	25°35	16° 5	T 5
W 6	4 57 5	13°29'03"	29°59	0° 8	0♂10	6°15	4°37	2°D46	23°59	9°32	16° 5	19° 4	20°44	25°42	16°13	W 6
T 7	5 1 2	14°30'02"	12♂ 2	29♂.37	1°25	6°56	4°39	2°46	23°57	9°31	16° 5	19° 3	20°40	25°48	16°21	T 7
F 8	5 4 58	15°31'01"	24°12	29°16	2°41	7°37	4°40	2°47	23°55	9°31	16° 4	19°D 2	20°37	25°55	16°28	F 8
S 9	5 8 55	16°32'02"	6♂33	29°D 7	3°56	8°18	4°42	2°47	23°53	9°30	16° 4	19° 4	20°34	26° 2	16°36	S 9
S 10	5 12 51	17°33'04"	19° 7	29° 8	5°11	8°59	4°44	2°47	23°51	9°30	16° 3	19° 5	20°31	26° 8	16°43	S 10
M 11	5 16 48	18°34'06"	1♂57	29°18	6°27	9°40	4°46	2°48	23°50	9°29	16° 2	19° 7	20°28	26°15	16°51	M 11
T 12	5 20 44	19°35'10"	15° 8	29°38	7°42	10°21	4°48	2°48	23°48	9°29	16° 2	19°R 8	20°25	26°22	16°58	T 12
W 13	5 24 41	20°36'14"	28°41	0♂ 6	8°58	11° 3	4°51	2°49	23°45	9°29	16° 1	19° 8	20°21	26°29	17° 6	W 13
T 14	5 28 37	21°37'19"	12♂.39	0°40	10°13	11°44	4°54	2°50	23°43	9°28	16° 0	19° 6	20°18	26°35	17°13	T 14
F 15	5 32 34	22°38'26"	27° 1	1°22	11°29	12°25	4°57	2°51	23°41	9°28	16° 0	19° 4	20°15	26°42	17°20	F 15
S 16	5 36 31	23°39'33"	11♂.44	2° 9	12°44	13° 6	5° 0	2°52	23°39	9°28	15°59	19° 0	20°12	26°49	17°28	S 16
S 17	5 40 27	24°40'41"	26°43	3° 1	14° 0	13°48	5° 3	2°53	23°37	9°28	15°58	18°56	20° 9	26°55	17°35	S 17
M 18	5 44 24	25°41'49"	11♂.50	3°58	15°15	14°29	5° 7	2°54	23°35	9°28	15°57	18°53	20° 6	27° 2	17°42	M 18
T 19	5 48 20	26°42'59"	26°55	4°58	16°31	15°10	5°10	2°55	23°33	9°28	15°56	18°51	20° 2	27° 9	17°49	T 19
W 20	5 52 17	27°44'08"	11♂.49	6° 2	17°46	15°52	5°14	2°57	23°30	9°28	15°56	18°D50	19°59	27°15	17°56	W 20
T 21	5 56 13	28°45'18"	26°24	7° 9	19° 2	16°33	5°18	2°58	23°28	9°D28	15°55	18°50	19°56	27°22	18° 3	T 21
F 22	6 0 10	29°46'28"	10♂.34	8°19	20°17	17°15	5°23	3° 0	23°26	9°28	15°54	18°51	19°53	27°29	18°10	F 22
S 23	6 4 6	0♂37'38"	24°18	9°31	21°33	17°56	5°27	3° 2	23°23	9°28	15°53	18°52	19°50	27°36	18°17	S 23
S 24	6 8 3	1°48'49"	7♂35	10°45	22°48	18°37	5°32	3° 3	23°21	9°28	15°52	18°54	19°46	27°42	18°24	S 24
M 25	6 12 0	2°49'59"	20°27	12° 1	24° 4	19°19	5°37	3° 5	23°19	9°28	15°51	18°55	19°43	27°49	18°31	M 25
T 26	6 15 56	3°51'08"	2♂59	13°19	25°19	20° 1	5°42	3° 7	23°16	9°28	15°50	18°R55	19°40	27°56	18°37	T 26
W 27	6 19 53	4°52'18"	15°13	14°38	26°35	20°42	5°47	3°10	23°14	9°28	15°49	18°55	19°37	28° 2	18°44	W 27
T 28	6 23 49	5°53'28"	27°16	15°58	27°50	21°24	5°53	3°12	23°11	9°28	15°48	18°54	19°34	28° 9	18°50	T 28
F 29	6 27 46	6°54'37"	9♂10	17°20	29° 6	22° 5	5°58	3°14	23° 9	9°29	15°47	18°52	19°31	28°16	18°57	F 29
S 30	6 31 42	7°55'47"	21° 0	18°43	0♂21	22°47	6° 4	3°17	23° 6	9°29	15°46	18°51	19°27	28°22	19° 3	S 30
S 31	6 35 39	8♂56'56"	2♂51	20♂ 6	1♂36	23♂.28	6♂10	3♂19	23♂ 4	9♂29	15♂.45	18♂.49	19♂.24	28♂.29	19♂.10	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
F 1	21s45	6n57	5s 3	19s38	1n36	17s50	0n58	11s35	1s12	0n29	1s28	1s14	2s34	21n49	0n31	2n18
S 2	21 54	11 4	4 45	19 8	1 53	18 10	0 56	11 19	1 10	0 29	1 27	1 14	2 33	21 50	0 31	2 18
S 3	22 3	14 46	4 14	18 40	2 7	18 30	0 54	11 2	1 8	0 29	1 27	1 14	2 33	21 50	0 31	2 18
M 4	22 11	17 53	3 32	18 16	2 20	18 49	0 52	10 46	1 7	0 30	1 27	1 14	2 33	21 50	0 31	2 18
T 5	22 20	20 16	2 41	17 55	2 30	19 8	0 50	10 29	1 5	0 31	1 26	1 14	2 33	21 51	0 31	2 18
W 6	22 27	21 46	1 42	17 39	2 38	19 26	0 48	10 13	1 3	0 31	1 26	1 13	2 32	21 51	0 31	2 17
T 7	22 34	22 18	0 38	17 26	2 43	19 44	0 45	9 56	1 2	0 32	1 26	1 13	2 32	21 51	0 31	2 17
F 8	22 41	21 46	0n28	17 18	2 47	20 1	0 43	9 39	1 0	0 33	1 25	1 13	2 32	21 52	0 31	2 17
S 9	22 48	20 11	1 34	17 15	2 49	20 18	0 41	9 22	0 58	0 34	1 25	1 13	2 32	21 52	0 31	2 17
S 10	22 54	17 36	2 37	17 15	2 49	20 34	0 39	9 6	0 57	0 35	1 25	1 12	2 31	21 52	0 31	2 17
M 11	22 59	14 7	3 34	17 18	2 48	20 49	0 36	8 49	0 55	0 36	1 25	1 12	2 31	21 53	0 31	2 17
T 12	23 4	9 52	4 21	17 25	2 45	21 4	0 34	8 32	0 54	0 37	1 24	1 11	2 31	21 53	0 31	2 17
W 13	23 9	5 1	4 54	17 34	2 41	21 18	0 32	8 14	0 52	0 39	1 24	1 11	2 31	21 54	0 31	2 17
T 14	23 13	0s13	5 12	17 46	2 37	21 32	0 29	7 57	0 51	0 40	1 24	1 10	2 30	21 54	0 31	2 16
F 15	23 16	5 35	5 11	18 0	2 31	21 45	0 27	7 40	0 49	0 41	1 23	1 10	2 30	21 54	0 31	2 16
S 16	23 19	10 47	4 50	18 15	2 26	21 57	0 25	7 23	0 48	0 43	1 23	1 9	2 30	21 55	0 31	2 16
S 17	23 22	15 25	4 9	18 31	2 19	22 9	0 22	7 6	0 46	0 45	1 23	1 8	2 30	21 55	0 31	2 16
M 18	23 24	19 6	3 10	18 49	2 12	22 20	0 20	6 48	0 45	0 46	1 22	1 8	2 29	21 55	0 31	2 16
T 19	23 26	21 29	1 58	19 7	2 5	22 30	0 17	6 31	0 43	0 48	1 22	1 7	2 29	21 56	0 31	2 16
W 20	23 27	22 19	0 39	19 25	1 57	22 40	0 15	6 14	0 42	0 50	1 22	1 6	2 29	21 56	0 31	2 16
T 21	23 28	21 35	0s42	19 44	1 49	22 49	0 13	5 56	0 40	0 52	1 22	1 5	2 29	21 57	0 31	2 16
F 22	23 29	19 30	1 57	20 3	1 41	22 57	0 10	5 39	0 39	0 54	1 21	1 4	2 28	21 57	0 31	2 16
S 23	23 28	16 20	3 4	20 22	1 33	23 5	0 8	5 21	0 37	0 56	1 21	1 4	2 28	21 58	0 31	2 17
S 24	23 28	12 25	3 58	20 41	1 25	23 12	0 5	5 4	0 36	0 58	1 21	1 3	2 28	21 58	0 31	2 17
M 25	23 27	8 3	4 38	21 0	1 17	23 18	0 3	4 46	0 35	1 0	1 20	1 2	2 28	21 58	0 31	2 17
T 26	23 25	3 28	5 4	21 18	1 9	23 23	0 0	4 28	0 33	1 2	1 20	1 1	2 27	21 59	0 31	2 17
W 27	23 23	1n 9	5 16	21 35	1 1	23 28	0s 2	4 11	0 32	1 5	1 20	0 59	2 27	21 59	0 31	2 17
T 28	23 21	5 38	5 13	21 52	0 52	23 32	0 4	3 53	0 31	1 7	1 20	0 58	2 27	22 0	0 31	2 17
F 29	23 18	9 53	4 57	22 8	0 44	23 35	0 7	3 36	0 29	1 10	1 19	0 57	2 27	22 0	0 31	2 17
S 30	23 14	13 43	4 28	22 24	0 36	23 38	0 9	3 18	0 28	1 12	1 19	0 56	2 26	22 1	0 31	2 17
S 31	23s10	17n 2	3s48	22s39	0n28	23s40	0s12	3s 0	0s27	1n15	1s19	0s55	2s26	22n 1	0n31	2n18

Julian Day Number = 2343036.5, Delta T = 13.33 sec
Ecliptic obliquity = 23°28'37", Nutation = - 0°00'17", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 20°35'35", Lahiri = 19°42'36"Greg. Calendar