



Astrodienst Ephemeris Tables for the year 1734

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 1734

geocentric

JANUARY 1734

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	6 41 34	10°27'38	23°11'31	4°R49	26°13'13	12°11'55	1°10'0	23°11'21	16°11'22	20°R 1	22°11'59	21°R27	19°11'46	29°11'53	7°R46	F 1
S 2	6 45 30	11°28'50	5°11'18	3°33'37	27°20'0	13°32'0	1°12'0	23°22'0	16°26'0	19°11'59	22°22'59	21°11'26	19°42'0	0°11'0	7°R45	S 2
S 3	6 49 27	12°30'01	17°10'0	2°32'0	28°27'0	14°10'0	1°24'0	23°23'0	16°29'0	19°58'0	23°0'0	21°23'0	19°39'0	0°7'0	7°44'0	S 3
M 4	6 53 23	13°31'12	29°9'0	1°35'0	29°34'0	14°47'0	1°35'0	23°24'0	16°33'0	19°56'0	23°1'0	21°17'0	19°36'0	0°13'0	7°43'0	M 4
T 5	6 57 20	14°32'24	11°18'18	0°48'0	0°41'0	15°25'0	1°47'0	23°25'0	16°36'0	19°54'0	23°2'0	21°8'0	19°33'0	0°20'0	7°42'0	T 5
W 6	7 1 16	15°33'35	23°39'0	0°11'0	1°47'0	16°2'0	1°58'0	23°26'0	16°39'0	19°53'0	23°3'0	20°58'0	19°30'0	0°27'0	7°42'0	W 6
T 7	7 5 13	16°34'45	6°10'10	29°11'44	2°53'0	16°40'0	2°9'0	23°27'0	16°43'0	19°51'0	23°3'0	20°47'0	19°27'0	0°33'0	7°41'0	T 7
F 8	7 9 9	17°35'55	18°54'0	29°26'0	3°59'0	17°17'0	2°21'0	23°29'0	16°46'0	19°50'0	23°4'0	20°37'0	19°23'0	0°40'0	7°40'0	F 8
S 9	7 13 6	18°37'05	1°11'49	29°D18	5°5'0	17°55'0	2°32'0	23°30'0	16°49'0	19°49'0	23°4'0	20°27'0	19°20'0	0°47'0	7°40'0	S 9
S 10	7 17 3	19°38'14	14°56'0	29°19'0	6°10'0	18°32'0	2°43'0	23°32'0	16°52'0	19°47'0	23°5'0	20°20'0	19°17'0	0°53'0	7°39'0	S 10
M 11	7 20 59	20°39'23	28°15'0	29°28'0	7°15'0	19°10'0	2°54'0	23°33'0	16°56'0	19°46'0	23°6'0	20°15'0	19°14'0	1°0'0	7°39'0	M 11
T 12	7 24 56	21°40'30	11°11'48	29°44'0	8°20'0	19°47'0	3°5'0	23°35'0	16°59'0	19°44'0	23°6'0	20°12'0	19°11'0	1°7'0	7°39'0	T 12
W 13	7 28 52	22°41'37	25°35'0	0°3'7	9°25'0	20°24'0	3°16'0	23°37'0	17°2'0	19°43'0	23°7'0	20°D12	19°7'0	1°13'0	7°38'0	W 13
T 14	7 32 49	23°42'43	9°13'37	0°37'0	10°29'0	21°2'0	3°26'0	23°39'0	17°5'0	19°42'0	23°7'0	20°12'0	19°4'0	1°20'0	7°38'0	T 14
F 15	7 36 45	24°43'48	23°53'0	1°12'0	11°33'0	21°39'0	3°37'0	23°41'0	17°8'0	19°40'0	23°7'0	20°R13	19°1'0	1°27'0	7°38'0	F 15
S 16	7 40 42	25°44'53	8°11'23	1°53'0	12°36'0	22°16'0	3°48'0	23°44'0	17°11'0	19°39'0	23°8'0	20°11'0	18°58'0	1°33'0	7°38'0	S 16
S 17	7 44 39	26°45'56	23°2'0	2°38'0	13°40'0	22°54'0	3°58'0	23°46'0	17°14'0	19°38'0	23°8'0	20°8'0	18°55'0	1°40'0	7°D38	S 17
M 18	7 48 35	27°46'59	7°11'45	3°28'0	14°42'0	23°31'0	4°9'0	23°49'0	17°17'0	19°36'0	23°8'0	20°1'0	18°52'0	1°46'0	7°38'0	M 18
T 19	7 52 32	28°48'01	22°26'0	4°21'0	15°45'0	24°8'0	4°19'0	23°51'0	17°20'0	19°35'0	23°9'0	19°52'0	18°48'0	1°53'0	7°38'0	T 19
W 20	7 56 28	29°49'02	6°11'55	5°17'0	16°47'0	24°45'0	4°29'0	23°54'0	17°23'0	19°34'0	23°9'0	19°41'0	18°45'0	2°0'0	7°38'0	W 20
T 21	8 0 25	0°50'02	21°6'0	6°17'0	17°49'0	25°22'0	4°39'0	23°57'0	17°26'0	19°33'0	23°9'0	19°29'0	18°42'0	2°6'0	7°39'0	T 21
F 22	8 4 21	1°51'01	4°11'55	7°20'0	18°50'0	26°0'0	4°49'0	23°59'0	17°29'0	19°31'0	23°9'0	19°18'0	18°39'0	2°13'0	7°39'0	F 22
S 23	8 8 18	2°52'00	18°18'0	8°25'0	19°51'0	26°37'0	4°59'0	24°2'0	17°32'0	19°30'0	23°9'0	19°9'0	18°36'0	2°20'0	7°39'0	S 23
S 24	8 12 14	3°52'58	1°11'15	9°32'0	20°52'0	27°14'0	5°9'0	24°6'0	17°35'0	19°29'0	23°9'0	19°2'0	18°33'0	2°26'0	7°40'0	S 24
M 25	8 16 11	4°53'55	13°48'0	10°42'0	21°52'0	27°51'0	5°18'0	24°9'0	17°37'0	19°28'0	23°R 9	18°58'0	18°29'0	2°33'0	7°40'0	M 25
T 26	8 20 8	5°54'51	26°2'0	11°53'0	22°51'0	28°28'0	5°28'0	24°12'0	17°40'0	19°27'0	23°9'0	18°56'0	18°26'0	2°40'0	7°41'0	T 26
W 27	8 24 4	6°55'47	8°11'1	13°6'0	23°50'0	29°5'0	5°37'0	24°15'0	17°43'0	19°26'0	23°9'0	18°D55	18°23'0	2°46'0	7°42'0	W 27
T 28	8 28 1	7°56'42	19°51'0	14°21'0	24°49'0	29°42'0	5°47'0	24°19'0	17°45'0	19°25'0	23°9'0	18°R55	18°20'0	2°53'0	7°42'0	T 28
F 29	8 31 57	8°57'37	1°11'38	15°38'0	25°47'0	0°11'19	5°56'0	24°22'0	17°48'0	19°24'0	23°9'0	18°55'0	18°17'0	3°0'0	7°43'0	F 29
S 30	8 35 54	9°58'30	13°22'0	16°55'0	26°45'0	0°56'0	6°5'0	24°26'0	17°51'0	19°23'0	23°9'0	18°53'0	18°13'0	3°6'0	7°44'0	S 30
S 31	8 39 50	10°59'23	25°11'27	18°15'0	27°11'42	1°11'33	6°11'14	24°11'30	17°11'53	19°11'22	23°11'9	18°11'48	18°11'10	3°11'13	7°11'45	S 31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	23s 4	18s30	0n11	20s20	3n 3	14s12	1s29	14s52	0n54	19s36	0n48	6n43	2s33	22s48	0s 2	21n43	1s23	6n52	17n 0	18s 9	17s42	19s16	12n30	1s42	
S 2	22 59	20 0	1 14	20 15	3 10	13 45	1 26	15 4	0 54	19 39	0 48	6 43	2 33	22 49	0 2	21 43	1 23	6 52	17 0	18 9	17 41	19 17	12 30	1 42	
S 3	22 53	20 38	2 14	20 12	3 15	13 19	1 22	15 16	0 53	19 41	0 48	6 44	2 32	22 49	0 2	21 43	1 23	6 52	17 1	18 8	17 40	19 17	12 30	1 42	
M 4	22 47	20 19	3 9	20 10	3 18	12 52	1 19	15 27	0 53	19 44	0 48	6 45	2 32	22 49	0 2	21 43	1 23	6 52	17 1	18 6	17 39	19 18	12 29	1 42	
T 5	22 41	19 5	3 55	20 10	3 18	12 25	1 15	15 38	0 53	19 46	0 48	6 45	2 32	22 50	0 2	21 43	1 23	6 52	17 2	18 4	17 39	19 18	12 29	1 42	
W 6	22 34	16 56	4 31	20 12	3 16	11 57	1 11	15 50	0 52	19 48	0 48	6 46	2 32	22 50	0 2	21 43	1 23	6 53	17 3	18 1	17 38	19 19	12 29	1 42	
T 7	22 26	13 59	4 55	20 16	3 13	11 30	1 7	16 1	0 52	19 50	0 48	6 47	2 31	22 50	0 2	21 43	1 23	6 53	17 3	17 59	17 37	19 19	12 29	1 42	
F 8	22 19	10 21	5 5	20 20	3 8	11 2	1 2	16 12	0 51	19 52	0 48	6 47	2 31	22 51	0 2	21 43	1 23	6 53	17 4	17 56	17 36	19 20	12 28	1 42	
S 9	22 11	6 11	4 59	20 26	3 2	10 34	0 58	16 23	0 51	19 55	0 48	6 48	2 31	22 51	0 2	21 42	1 23	6 54	17 4	17 53	17 35	19 20	12 28	1 42	
S 10	22 2	1 40	4 38	20 33	2 55	10 5	0 53	16 34	0 50	19 57	0 48	6 49	2 30	22 51	0 2	21 42	1 23	6 54	17 5	17 51	17 34	19 21	12 28	1 42	
M 11	21 53	2n59	4 1	20 41	2 47	9 37	0 49	16 44	0 50	19 59	0 48	6 50	2 30	22 52	0 2	21 42	1 23	6 54	17 5	17 50	17 33	19 21	12 28	1 42	
T 12	21 43	7 35	3 10	20 50	2 38	9 8	0 44	16 55	0 49	20 1	0 48	6 51	2 30	22 52	0 2	21 42	1 23	6 55	17 6	17 49	17 33	19 22	12 28	1 42	
W 13	21 34	11 53	2 8	20 59	2 29	8 39	0 39	17 5	0 49	20 3	0 48	6 52	2 30	22 52	0 2	21 42	1 22	6 55	17 7	17 49	17 32	19 22	12 28	1 42	
T 14	21 23	15 36	0 56	21 8	2 20	8 10	0 34	17 16	0 49	20 5	0 48	6 53	2 29	22 53	0 2	21 42	1 22	6 55	17 7	17 49	17 31	19 23	12 28	1 42	
F 15	21 13	18 27	0s20	21 18	2 10	7 41	0 29	17 26	0 48	20 7	0 48	6 54	2 29	22 53	0 2	21 42	1 22	6 56	17 8	17 49	17 30	19 23	12 28	1 42	
S 16	21 1	20 10	1 35	21 27	2 1	7 12	0 24	17 36	0 48	20 9	0 48	6 55	2 29	22 53	0 2	21 42	1 22	6 56	17 8	17 49	17 29	19 24	12 28	1 42	
S 17	20 50	20 32	2 45	21 36	1 51	6 43	0 18	17 46	0 47	20 11	0 48	6 56	2 28	22 54	0 2	21 42	1 22	6 57	17 9	17 48	17 28	19 24	12 28	1 42	
M 18	20 38	19 30	3 45	21 45	1 41	6 14	0 13	17 56	0 47	20 13	0 48	6 57	2 28	22 54	0 2	21 42	1 22	6 57	17 9	17 46	17 27	19 25	12 28	1 42	
T 19	20 26	17 11	4 29	21 54	1 31	5 44	0 7	18 5	0 46	20 15	0 48	6 59	2 28	22 54	0 2	21 42	1 22	6 58	17 10	17 44	17 26	19 25	12 28	1 42	
W 20	20 13	13 49	4 55	22 1	1 21	5 15	0 1	18 15	0 45	20 17	0 48	7 0	2 28	22 55	0 2	21 42	1 22	6 58	17 11	17 41	17 26	19 26	12 28	1 42	
T 21	20 0	9 42	5 2	22 9	1 11	4 45	0n 4	18 24	0 45	20 18	0 48	7 1	2 27	22 55	0 2	21 42	1 22	6 58	17 11	17 38	17 25	19 26	12 28	1 42	
F 22	19 47	5 12	4 51	22 15	1 1	4 16	0 10	18 34	0 44	20 20	0 48	7 2	2 27	22 55	0 2	21 42	1 22	6 59	17 12	17 35	17 24	19 27	12 28	1 42	
S 23	19 33	0 35	4 25	22 21	0 51	3 46	0 17	18 43	0 44	20 22	0 48	7 4	2 27	22 55	0 2	21 42	1 22	6 59	17 12	17 32	17 23	19 27	12 28	1 42	
S 24	19 19	3s56	3 45	22 26	0 42	3 17	0 23	18 52	0 43	20 24	0 48	7 5	2 26	22 56	0 2	21 41	1 22	7 0	17 13	17 30	17 22	19 28	12 28	1 42	
M 25	19 4	8 8	2 55	22 30	0 32	2 47	0 29	19 1	0 43	20 25	0 48	7 7	2 26	22 56	0 2	21 41	1 22	7 0	17 13	17 29	17 21	19 28	12 29	1 42	
T 26	18 49	11 54	1 58	22 33	0 23	2 18	0 36	19 10	0 42	20 27	0 49	7 8	2 26	22 56	0 2	21 41	1 22	7 1	17 14	17 28	17 20	19 29	12 29	1 42	
W 27	18 34	15 7	0 58	22 36	0 14	1 48	0 42	19 18	0 42	20 28	0 49	7 10	2 26	22 56	0 2	21 41	1 22	7 2	17 15	17 28	17 19	19 29	12 29	1 42	
T 28	18 18	17 39	0n 5	22 37	0 5	1 19	0 49	19 27	0 41	20 30	0 49	7 11	2 25	22 57	0 2	21 41	1 22	7 2	17 15	17 28	17 19	19 30	12 29	1 42	
F 29	18 3	19 25	1 7	22 37	0s 3	0 49	0 56	19 35	0 40	20 32	0 49	7 13	2 25	22 57	0 2	21 41	1 22	7 3	17 16	17 28	17 18	19 30	12 30	1 42	
S 30	17 46	20 21	2 6	22 36	0 12	0 20	1 3	19 44	0 40	20 33	0 49	7 14	2 25	22 57	0 2	21 41	1 22	7 3	17 16	17 28	17 17	19 30	12 30	1 42	
S 31	17s30	20s23	3n 0	22s33	0s20	0n 9	1n10	19s52	0n39	20s35	0n49	7n16	2s25	22s57	0s 2	21n41	1s22	7n 4	17n17	17s26	17s16	19s31	12n30	1s42	

ASTRODIENST EPHEMERIS for the year 1734
geocentric

FEBRUARY 1734

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	8 43 47	12♈ 0'14	7♂28	19♂35	28♂38	2♂10	6♂23	24♂34	17♂56	19°R21	23°R 9	18°R40	18♈ 7	3♂20	7♂46	M 1
T 2	8 47 43	13° 1'05	19°48	20°57	29°34	2°47	6°32	24°38	17°58	19°II20	23♈ 8	18♈29	18° 4	3°26	7°47	T 2
W 3	8 51 40	14° 1'54	2♈23	22°20	0♂Y30	3°24	6°40	24°42	18° 1	19°19	23° 8	18°17	18° 1	3°33	7°48	W 3
T 4	8 55 37	15° 2'43	15°13	23°44	1°24	4° 1	6°49	24°46	18° 3	19°19	23° 8	18° 3	17°58	3°40	7°49	T 4
F 5	8 59 33	16° 3'30	28°18	25° 9	2°18	4°37	6°57	24°50	18° 6	19°18	23° 7	17°49	17°54	3°46	7°50	F 5
S 6	9 3 30	17° 4'15	11♂36	26°35	3°12	5°14	7° 6	24°54	18° 8	19°17	23° 7	17°36	17°51	3°53	7°51	S 6
S 7	9 7 26	18° 4'59	25° 5	28° 2	4° 4	5°51	7°14	24°59	18°10	19°16	23° 7	17°26	17°48	3°59	7°53	S 7
M 8	9 11 23	19° 5'42	8♂Y44	29°30	4°56	6°28	7°22	25° 3	18°12	19°16	23° 6	17°20	17°45	4° 6	7°54	M 8
T 9	9 15 19	20° 6'22	22°30	0♈59	5°48	7° 4	7°29	25° 8	18°15	19°15	23° 6	17°16	17°42	4°13	7°56	T 9
W10	9 19 16	21° 7'02	6♂23	2°28	6°38	7°41	7°37	25°12	18°17	19°14	23° 5	17°14	17°38	4°19	7°57	W10
T 11	9 23 12	22° 7'39	20°22	3°59	7°28	8°17	7°45	25°17	18°19	19°14	23° 5	17°14	17°35	4°26	7°59	T 11
F 12	9 27 9	23° 8'15	4♈28	5°31	8°16	8°54	7°52	25°22	18°21	19°13	23° 4	17°14	17°32	4°33	8° 0	F 12
S 13	9 31 5	24° 8'49	18°39	7° 3	9° 4	9°30	8° 0	25°27	18°23	19°13	23° 3	17°12	17°29	4°39	8° 2	S 13
S 14	9 35 2	25° 9'21	2♈53	8°37	9°51	10° 7	8° 7	25°32	18°25	19°12	23° 3	17° 8	17°26	4°46	8° 4	S 14
M15	9 38 59	26° 9'51	17° 9	10°11	10°37	10°43	8°14	25°37	18°27	19°12	23° 2	17° 1	17°23	4°53	8° 5	M15
T 16	9 42 55	27°10'20	1♈22	11°47	11°22	11°19	8°21	25°42	18°29	19°11	23° 1	16°51	17°19	4°59	8° 7	T 16
W17	9 46 52	28°10'46	15°27	13°23	12° 6	11°56	8°27	25°47	18°30	19°11	23° 1	16°40	17°16	5° 6	8° 9	W17
T 18	9 50 48	29°11'11	29°19	15° 0	12°49	12°32	8°34	25°53	18°32	19°10	23° 0	16°27	17°13	5°13	8°11	T 18
F 19	9 54 45	0♈11'34	12♈53	16°38	13°31	13° 8	8°40	25°58	18°34	19°10	22°59	16°15	17°10	5°19	8°13	F 19
S 20	9 58 41	1°11'56	26° 7	18°17	14°11	13°45	8°47	26° 3	18°36	19°10	22°58	16° 5	17° 7	5°26	8°15	S 20
S 21	10 2 38	2°12'16	9♈ 0	19°57	14°51	14°21	8°53	26° 9	18°37	19°10	22°57	15°57	17° 4	5°33	8°17	S 21
M22	10 6 34	3°12'35	21°32	21°38	15°29	14°57	8°59	26°14	18°39	19° 9	22°56	15°52	17° 0	5°39	8°20	M22
T 23	10 10 31	4°12'52	3♈47	23°20	16° 6	15°33	9° 5	26°20	18°40	19° 9	22°55	15°49	16°57	5°46	8°22	T 23
W24	10 14 28	5°13'07	15°48	25° 4	16°41	16° 9	9°10	26°26	18°42	19° 9	22°54	15°D49	16°54	5°53	8°24	W24
T 25	10 18 24	6°13'21	27°39	26°48	17°15	16°45	9°16	26°31	18°43	19° 9	22°53	15°49	16°51	5°59	8°26	T 25
F 26	10 22 21	7°13'34	9♂28	28°33	17°48	17°21	9°21	26°37	18°45	19° 9	22°52	15°R49	16°48	6° 6	8°29	F 26
S 27	10 26 17	8°13'45	21°18	0♈19	18°19	17°57	9°26	26°43	18°46	19° 9	22°51	15°48	16°44	6°12	8°31	S 27
S 28	10 30 14	9♈13'54	3♂15	2♈ 6	18♂Y49	18♂32	9♂32	26♂Y49	18♂47	19°D 9	22♈50	15♈45	16♈41	6♂19	8♂34	S 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
M 1	17s13	19s29	3n47	22s30	0s28	0n38	1n17	20s 0	0n38	20s36	0n49	7n17	2s24	22s58	0s 2	21n41	1s22	7n 4	17n17	17s24	17s15	19s31	12n31	1s42			
T 2	16 56	17 39	4 24	22 25	0 35	1 7	1 24	20 8	0 38	20 38	0 49	7 19	2 24	22 58	0 2	21 41	1 22	7 5	17 18	17 21	17 14	19 32	12 31	1 42			
W 3	16 38	14 58	4 49	22 19	0 43	1 36	1 32	20 15	0 37	20 39	0 49	7 21	2 24	22 58	0 2	21 41	1 22	7 6	17 19	17 18	17 13	19 32	12 31	1 42			
T 4	16 21	11 31	5 0	22 12	0 50	2 5	1 39	20 23	0 36	20 40	0 49	7 23	2 24	22 58	0 2	21 41	1 22	7 6	17 19	17 14	17 12	19 33	12 32	1 42			
F 5	16 3	7 28	4 55	22 4	0 57	2 33	1 47	20 30	0 36	20 42	0 49	7 24	2 23	22 59	0 2	21 41	1 22	7 7	17 20	17 10	17 11	19 33	12 32	1 42			
S 6	15 44	2 59	4 35	21 54	1 3	3 1	1 55	20 38	0 35	20 43	0 49	7 26	2 23	22 59	0 2	21 41	1 21	7 8	17 20	17 6	17 11	19 33	12 32	1 42			
S 7	15 26	1n42	3 59	21 43	1 10	3 30	2 2	20 45	0 34	20 44	0 49	7 28	2 23	22 59	0 2	21 41	1 21	7 8	17 21	17 4	17 10	19 34	12 33	1 42			
M 8	15 7	6 21	3 8	21 31	1 16	3 57	2 10	20 52	0 34	20 46	0 49	7 30	2 23	22 59	0 2	21 41	1 21	7 9	17 21	17 2	17 9	19 34	12 33	1 42			
T 9	14 48	10 44	2 7	21 18	1 22	4 25	2 18	20 59	0 33	20 47	0 49	7 32	2 22	22 59	0 2	21 41	1 21	7 10	17 22	17 1	17 8	19 35	12 34	1 42			
W10	14 29	14 34	0 57	21 3	1 27	4 53	2 26	21 5	0 32	20 48	0 49	7 34	2 22	23 0	0 2	21 41	1 21	7 10	17 22	17 0	17 7	19 35	12 34	1 42			
T 11	14 9	17 36	0s17	20 47	1 32	5 20	2 35	21 12	0 31	20 49	0 49	7 36	2 22	23 0	0 2	21 41	1 21	7 11	17 23	17 0	17 6	19 35	12 35	1 42			
F 12	13 49	19 35	1 30	20 29	1 37	5 47	2 43	21 18	0 31	20 50	0 49	7 38	2 22	23 0	0 2	21 41	1 21	7 12	17 23	17 0	17 5	19 36	12 35	1 42			
S 13	13 29	20 22	2 38	20 10	1 42	6 13	2 51	21 25	0 30	20 51	0 49	7 40	2 21	23 0	0 2	21 41	1 21	7 12	17 24	17 0	17 4	19 36	12 36	1 42			
S 14	13 9	19 50	3 36	19 50	1 46	6 40	3 0	21 31	0 29	20 53	0 50	7 42	2 21	23 0	0 2	21 41	1 21	7 13	17 24	16 58	17 3	19 36	12 36	1 42			
M15	12 49	18 3	4 21	19 28	1 50	7 6	3 8	21 37	0 28	20 54	0 50	7 44	2 21	23 1	0 2	21 41	1 21	7 14	17 25	16 56	17 3	19 37	12 37	1 42			
T 16	12 28	15 10	4 50	19 5	1 53	7 31	3 17	21 43	0 28	20 55	0 50	7 46	2 21	23 1	0 2	21 41	1 21	7 14	17 25	16 54	17 2	19 37	12 38	1 42			
W17	12 7	11 26	5 1	18 41	1 56	7 57	3 26	21 49	0 27	20 56	0 50	7 48	2 20	23 1	0 2	21 41	1 21	7 15	17 26	16 50	17 1	19 37	12 38	1 42			
T 18	11 46	7 9	4 53	18 15	1 59	8 22	3 35	21 54	0 26	20 57	0 50	7 50	2 20	23 1	0 2	21 41	1 21	7 16	17 26	16 47	17 0	19 38	12 39	1 42			
F 19	11 25	2 35	4 30	17 48	2 2	8 46	3 44	22 0	0 25	20 58	0 50	7 52	2 20	23 1	0 2	21 41	1 21	7 17	17 27	16 43	16 59	19 38	12 40	1 42			
S 20	11 4	2s 0	3 51	17 20	2 4	9 10	3 52	22 5	0 24	20 58	0 50	7 54	2 20	23 1	0 2	21 41	1 21	7 17	17 27	16 40	16 58	19 39	12 40	1 42			
S 21	10 42	6 22	3 2	16 50	2 5	9 34	4 1	22 10	0 23	20 59	0 50	7 56	2 20	23 2	0 3	21 41	1 21	7 18	17 28	16 38	16 57	19 39	12 41	1 42			
M22	10 21	10 21	2 5	16 18	2 7	9 57	4 11	22 15	0 22	21 0	0 50	7 59	2 19	23 2	0 3	21 41	1 21	7 19	17 28	16 37	16 56	19 39	12 42	1 42			
T 23	9 59	13 47	1 4	15 46	2 8	10 20	4 20	22 20	0 22	21 1	0 50	8 1	2 19	23 2	0 3	21 41	1 21	7 20	17 29	16 36	16 55	19 40	12 42	1 42			
W24	9 37	16 35	0 0	15 12	2 8	10 42	4 29	22 24	0 21	21 2	0 50	8 3	2 19	23 2	0 3	21 41	1 21	7 20	17 29	16 36	16 54	19 40	12 43	1 42			
T 25	9 14	18 39	1n 3	14 36	2 8	11 4	4 38	22 29	0 20	21 3	0 50	8 5	2 19	23 2	0 3	21 41	1 21	7 21	17 30	16 36	16 54	19 40	12 44	1 42			
F 26	8 52	19 53	2 3	13 59	2 8	11 25	4 47	22 33	0 19	21 3	0 50	8 8	2 19	23 2	0 3	21 41	1 20	7 22	17 30	16 36	16 53	19 41	12 45	1 42			
S 27	8 30	20 14	2 57	13 21	2 7	11 45	4 56	22 38	0 18	21 4	0 50	8 10	2 18	23 2	0 3	21 42	1 20	7 23	17 30	16 36	16 52	19 41	12 45	1 42			
S 28	8s 7	19s41	3n45	12s42	2s 5	12n 5	5n 6	22s42	0n17	21s 5	0n50	8n12	2s18	23s 2	0s 3	21n42	1s20	7n23	17n31	16s35	16s51	19s41	12n46	1s42			

Julian Day Number = 2354421.5, Delta T = 11.92 sec
Ecliptic obliquity = 23°28'20, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°01'41, Lahiri = 20°08'41Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1734
geocentric

MARCH 1734

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	10 34 10	10 ¹⁴ 02	15 ²⁵ 25	3 ⁵⁴ 54	19 ¹⁷ 17	19 ¹⁷ 8	9 ³⁶ 36	26 ⁵⁵ 55	18 ⁴⁹ 49	19 ¹¹ 9	22 ⁴⁹ 49	15 ⁴⁰ 40	16 ³⁸ 38	6 ²⁶ 26	8 ³⁶ 36	M 1
T 2	10 38 7	11 ¹⁴ 08	27 ⁵⁰ 50	5 ⁴⁴ 44	19 ⁴³ 43	19 ⁴⁴ 44	9 ⁴¹ 41	27 ¹ 1	18 ⁵⁰ 50	19 ⁹ 9	22 ⁴⁸ 48	15 ³² 32	16 ³⁵ 35	6 ³² 32	8 ³⁹ 39	T 2
W 3	10 42 3	12 ¹⁴ 13	10 ³⁵ 35	7 ³⁴ 34	20 ⁸ 8	20 ²⁰ 20	9 ⁴⁶ 46	27 ⁷ 7	18 ⁵¹ 51	19 ⁹ 9	22 ⁴⁷ 47	15 ²² 22	16 ³² 32	6 ³⁹ 39	8 ⁴² 42	W 3
T 4	10 46 0	13 ¹⁴ 16	23 ³⁹ 39	9 ²⁶ 26	20 ³⁰ 30	20 ⁵⁵ 55	9 ⁵⁰ 50	27 ¹⁴ 14	18 ⁵² 52	19 ⁹ 9	22 ⁴⁶ 46	15 ¹¹ 11	16 ²⁹ 29	6 ⁴⁶ 46	8 ⁴⁴ 44	T 4
F 5	10 49 57	14 ¹⁴ 17	7 ³ 3	11 ¹⁸ 18	20 ⁵¹ 51	21 ³¹ 31	9 ⁵⁴ 54	27 ²⁰ 20	18 ⁵³ 53	19 ⁹ 9	22 ⁴⁵ 45	15 ⁰ 0	16 ²⁵ 25	6 ⁵² 52	8 ⁴⁷ 47	F 5
S 6	10 53 53	15 ¹⁴ 16	20 ⁴⁴ 44	13 ¹² 12	21 ¹⁰ 10	22 ⁶ 6	9 ⁵⁸ 58	27 ²⁶ 26	18 ⁵⁴ 54	19 ⁹ 9	22 ⁴³ 43	14 ⁵⁰ 50	16 ²² 22	6 ⁵⁹ 59	8 ⁵⁰ 50	S 6
S 7	10 57 50	16 ¹⁴ 13	4 ³⁹ 39	15 ⁶ 6	21 ²⁷ 27	22 ⁴¹ 41	10 ² 2	27 ³³ 33	18 ⁵⁵ 55	19 ⁹ 9	22 ⁴² 42	14 ⁴³ 43	16 ¹⁹ 19	7 ⁶ 6	8 ⁵³ 53	S 7
M 8	11 1 46	17 ¹⁴ 07	18 ⁴⁴ 44	17 ² 2	21 ⁴² 42	23 ¹⁷ 17	10 ⁶ 6	27 ³⁹ 39	18 ⁵⁶ 56	19 ¹⁰ 10	22 ⁴¹ 41	14 ³⁷ 37	16 ¹⁶ 16	7 ¹² 12	8 ⁵⁶ 56	M 8
T 9	11 5 43	18 ¹⁴ 00	2 ⁵⁴ 54	18 ⁵⁹ 59	21 ⁵⁵ 55	23 ⁵² 52	10 ⁹ 9	27 ⁴⁶ 46	18 ⁵⁷ 57	19 ¹⁰ 10	22 ³⁹ 39	14 ³⁵ 35	16 ¹³ 13	7 ¹⁹ 19	8 ⁵⁸ 58	T 9
W10	11 9 39	19 ¹³ 51	17 ⁷ 7	20 ⁵⁶ 56	22 ⁶ 6	24 ²⁷ 27	10 ¹³ 13	27 ⁵² 52	18 ⁵⁷ 57	19 ¹⁰ 10	22 ³⁸ 38	14 ³⁴ 34	16 ¹⁰ 10	7 ²⁶ 26	9 ¹ 1	W10
T 11	11 13 36	20 ¹³ 40	1 ¹⁸ 18	22 ⁵⁴ 54	22 ¹⁴ 14	25 ² 2	10 ¹⁶ 16	27 ⁵⁹ 59	18 ⁵⁸ 58	19 ¹¹ 11	22 ³⁷ 37	14 ³⁵ 35	16 ⁶ 6	7 ³² 32	9 ⁴ 4	T 11
F 12	11 17 32	21 ¹³ 26	15 ²⁸ 28	24 ⁵³ 53	22 ²⁰ 20	25 ³⁷ 37	10 ¹⁹ 19	28 ⁵ 5	18 ⁵⁹ 59	19 ¹¹ 11	22 ³⁵ 35	14 ³⁵ 35	16 ³ 3	7 ³⁹ 39	9 ⁷ 7	F 12
S 13	11 21 29	22 ¹³ 10	29 ³⁴ 34	26 ⁵² 52	22 ²⁴ 24	26 ¹² 12	10 ²¹ 21	28 ¹² 12	18 ⁵⁹ 59	19 ¹¹ 11	22 ³⁴ 34	14 ³⁵ 35	16 ⁰ 0	7 ⁴⁶ 46	9 ¹¹ 11	S 13
S 14	11 25 26	23 ¹² 52	13 ³⁴ 34	28 ⁵² 52	22 ²⁴ 24	26 ⁴⁷ 47	10 ²⁴ 24	28 ¹⁹ 19	19 ⁰ 0	19 ¹² 12	22 ³³ 33	14 ³³ 33	15 ⁵⁷ 57	7 ⁵² 52	9 ¹⁴ 14	S 14
M15	11 29 22	24 ¹² 31	27 ²⁹ 29	0 ⁵² 52	22 ²⁴ 24	27 ²² 22	10 ²⁷ 27	28 ²⁶ 26	19 ⁰ 0	19 ¹² 12	22 ³¹ 31	14 ²⁹ 29	15 ⁵⁴ 54	7 ⁵⁹ 59	9 ¹⁷ 17	M15
T 16	11 33 19	25 ¹² 08	11 ¹⁶ 16	2 ⁵¹ 51	22 ²¹ 21	27 ⁵⁷ 57	10 ²⁹ 29	28 ³² 32	19 ¹ 1	19 ¹³ 13	22 ³⁰ 30	14 ²³ 23	15 ⁵⁰ 50	8 ⁶ 6	9 ²⁰ 20	T 16
W17	11 37 15	26 ¹¹ 43	24 ⁵³ 53	4 ⁵¹ 51	22 ¹⁵ 15	28 ³¹ 31	10 ³¹ 31	28 ³⁹ 39	19 ¹ 1	19 ¹³ 13	22 ²⁸ 28	14 ¹⁶ 16	15 ⁴⁷ 47	8 ¹² 12	9 ²³ 23	W17
T 18	11 41 12	27 ¹¹ 15	8 ¹⁸ 18	6 ⁵⁰ 50	22 ⁶ 6	29 ⁶ 6	10 ³³ 33	28 ⁴⁶ 46	19 ² 2	19 ¹⁴ 14	22 ²⁷ 27	14 ⁷ 7	15 ⁴⁴ 44	8 ¹⁹ 19	9 ²⁷ 27	T 18
F 19	11 45 8	28 ¹⁰ 46	21 ²⁹ 29	8 ⁴⁷ 47	21 ⁵⁵ 55	29 ⁴⁰ 40	10 ³⁴ 34	28 ⁵³ 53	19 ² 2	19 ¹⁵ 15	22 ²⁵ 25	13 ⁵⁹ 59	15 ⁴¹ 41	8 ²⁶ 26	9 ³⁰ 30	F 19
S 20	11 49 5	29 ¹⁰ 14	4 ²⁵ 25	10 ⁴⁴ 44	21 ⁴¹ 41	0 ¹⁵ 15	10 ³⁶ 36	29 ⁰ 0	19 ² 2	19 ¹⁵ 15	22 ²⁴ 24	13 ⁵² 52	15 ³⁸ 38	8 ³² 32	9 ³³ 33	S 20
S 21	11 53 1	0 ⁹ 40	17 ⁴ 4	12 ³⁹ 39	21 ²⁵ 25	0 ⁴⁹ 49	10 ³⁷ 37	29 ⁷ 7	19 ² 2	19 ¹⁶ 16	22 ²² 22	13 ⁴⁷ 47	15 ³⁵ 35	8 ³⁹ 39	9 ³⁷ 37	S 21
M22	11 56 58	1 ⁹ 04	29 ²⁸ 28	14 ³² 32	21 ⁷ 7	1 ²³ 23	10 ³⁸ 38	29 ¹⁴ 14	19 ³ 3	19 ¹⁷ 17	22 ²¹ 21	13 ⁴⁴ 44	15 ³¹ 31	8 ⁴⁶ 46	9 ⁴⁰ 40	M22
T 23	12 0 54	2 ⁸ 27	11 ¹⁸ 18	16 ²² 22	20 ⁴⁶ 46	1 ⁵⁷ 57	10 ³⁹ 39	29 ²¹ 21	19 ³ 3	19 ¹⁷ 17	22 ¹⁹ 19	13 ⁴³ 43	15 ²⁸ 28	8 ⁵² 52	9 ⁴⁴ 44	T 23
W24	12 4 51	3 ⁷ 47	23 ³⁸ 38	18 ¹⁰ 10	20 ²³ 23	2 ³¹ 31	10 ⁴⁰ 40	29 ²⁹ 29	19 ³ 3	19 ¹⁸ 18	22 ¹⁸ 18	13 ⁴³ 43	15 ²⁵ 25	8 ⁵⁹ 59	9 ⁴⁷ 47	W24
T 25	12 8 48	4 ⁷ 06	5 ³⁰ 30	19 ⁵⁴ 54	19 ⁵⁷ 57	3 ⁵ 5	10 ⁴¹ 41	29 ³⁶ 36	19 ³ 3	19 ¹⁹ 19	22 ¹⁶ 16	13 ⁴⁵ 45	15 ²² 22	9 ⁶ 6	9 ⁵¹ 51	T 25
F 26	12 12 44	5 ⁶ 23	17 ¹⁹ 19	21 ³⁴ 34	19 ³⁰ 30	3 ³⁹ 39	10 ⁴¹ 41	29 ⁴³ 43	19 ³ 3	19 ²⁰ 20	22 ¹⁵ 15	13 ⁴⁷ 47	15 ¹⁹ 19	9 ¹² 12	9 ⁵⁴ 54	F 26
S 27	12 16 41	6 ⁵ 38	29 ⁹ 9	23 ¹¹ 11	19 ¹ 1	4 ¹³ 13	10 ⁴¹ 41	29 ⁵⁰ 50	19 ² 2	19 ²¹ 21	22 ¹³ 13	13 ⁴⁸ 48	15 ¹⁵ 15	9 ¹⁹ 19	9 ⁵⁸ 58	S 27
S 28	12 20 37	7 ⁴ 52	11 ³ 7	24 ⁴³ 43	18 ³⁰ 30	4 ⁴⁷ 47	10 ⁴¹ 41	29 ⁵⁷ 57	19 ² 2	19 ²² 22	22 ¹¹ 11	13 ⁴⁸ 48	15 ¹² 12	9 ²⁵ 25	10 ¹ 1	S 28
M29	12 24 34	8 ⁴ 03	23 ¹⁷ 17	26 ¹⁰ 10	17 ⁵⁷ 57	5 ²⁰ 20	10 ⁴¹ 41	0 ⁸ 5	19 ² 2	19 ²³ 23	22 ¹⁰ 10	13 ⁴⁷ 47	15 ⁹ 9	9 ³² 32	10 ⁵ 5	M29
T 30	12 28 30	9 ³ 13	5 ⁴³ 43	27 ³² 32	17 ²³ 23	5 ⁵⁴ 54	10 ⁴¹ 41	0 ¹² 12	19 ² 2	19 ²³ 23	22 ⁸ 8	13 ⁴⁴ 44	15 ⁶ 6	9 ³⁹ 39	10 ⁹ 9	T 30
W31	12 32 27	10 ⁹ 21	18 ³⁰ 30	28 ⁴⁸ 48	16 ⁴⁸ 48	6 ²⁷ 27	10 ⁴⁰ 40	0 ¹⁹ 19	19 ¹ 1	19 ²⁴ 24	22 ⁶ 6	13 ⁴⁰ 40	15 ³ 3	9 ⁴⁵ 45	10 ¹² 12	W31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	7s44	18s14	4n23	12s 1	2s 4	12n24	5n15	22s46	0n16	21s 5	0n50	8n15	2s18	23s 3	0s 3	21n42	1s20	7n24	17n31	16s33	16s50	19s41	12n47	1s42							
T 2	7 22	15 53	4 50	11 18	2 1	12 43	5 24	22 50	0 15	21 6	0 51	8 17	2 18	23 3	0 3	21 42	1 20	7 25	17 32	16 31	16 49	19 42	12 48	1 42							
W 3	6 59	12 45	5 3	10 35	1 59	13 1	5 33	22 53	0 14	21 7	0 51	8 19	2 18	23 3	0 3	21 42	1 20	7 26	17 32	16 28	16 48	19 42	12 49	1 42							
T 4	6 36	8 55	5 0	9 50	1 55	13 18	5 42	22 57	0 13	21 7	0 51	8 22	2 17	23 3	0 3	21 42	1 20	7 27	17 33	16 25	16 47	19 42	12 50	1 42							
F 5	6 13	4 34	4 42	9 3	1 51	13 34	5 51	23 0	0 12	21 8	0 51	8 24	2 17	23 3	0 3	21 42	1 20	7 27	17 33	16 22	16 46	19 43	12 50	1 42							
S 6	5 50	0n 6	4 7	8 16	1 47	13 50	6 0	23 3	0 11	21 8	0 51	8 27	2 17	23 3	0 3	21 42	1 20	7 28	17 33	16 19	16 45	19 43	12 51	1 42							
S 7	5 26	4 51	3 17	7 27	1 42	14 4	6 9	23 7	0 10	21 9	0 51	8 29	2 17	23 3	0 3	21 42	1 20	7 29	17 34	16 16	16 44	19 43	12 52	1 42							
M 8	5 3	9 25	2 14	6 37	1 37	14 18	6 18	23 9	0 9	21 9	0 51	8 31	2 17	23 3	0 3	21 42	1 20	7 30	17 34	16 15	16 44	19 43	12 53	1 42							
T 9	4 40	13 28	1 2	5 46	1 31	14 31	6 26	23 12	0 8	21 10	0 51	8 34	2 17	23 3	0 3	21 42	1 20	7 30	17 34	16 14	16 43	19 44	12 54	1 42							
W10	4 16	16 45	0s14	4 53	1 24	14 43	6 35	23 15	0 6	21 10	0 51	8 36	2 16	23 3	0 3	21 42	1 20	7 31	17 35	16 14	16 42	19 44	12 55	1 42							
T 11	3 53	19 0	1 29	4 0	1 17	14 54	6 43	23 18	0 5	21 10	0 51	8 39	2 16	23 4	0 3	21 42	1 20	7 32	17 35	16 14	16 41	19 44	12 56	1 42							
F 12	3 29	20 3	2 38	3 6	1 9	15 3	6 51	23 20	0 4	21 11	0 51	8 41	2 16	23 4	0 3	21 42	1 20	7 33	17 35	16 14	16 40	19 45	12 57	1 42							
S 13	3 5	19 51	3 38	2 11	1 1	15 12	6 59	23 22	0 3	21 11	0 51	8 44	2 16	23 4	0 3	21 42	1 20	7 34	17 36	16 14	16 39	19 45	12 58	1 42							
S 14	2 42	18 24	4 24	1 15	0 52	15 19	7 6	23 24	0 2	21 11	0 51	8 46	2 16	23 4	0 3	21 43	1 20	7 34	17 36	16 14	16 38	19 45	12 59	1 42							
M15	2 18	15 53	4 54	0 19	0 43	15 26	7 14	23 26	0 0	21 12	0 51	8 49	2 16	23 4	0 3	21 43	1 20	7 35	17 36	16 12	16 37	19 45	13 0	1 42							
T 16	1 55	12 30	5 7	0n38	0 33	15 30	7 20	23 28	0s 1	21 12	0 52	8 52	2 16	23 4	0 3	21 43	1 19	7 36	17 37	16 11	16 36	19 46	13 1	1 42							
W17	1 31	8 30	5 2	1 34	0 23	15 34	7 27	23 30	0 2	21 12	0 52	8 54	2 15	23 4	0 3	21 43	1 19	7 37	17 37	16 8	16 35	19 46	13 2	1 42							
T 18	1 7	4 8	4 41	2 31	0 12	15 36	7 33	23 31	0 3	21 12	0 52	8 57	2 15	23 4	0 3	21 43	1 19	7 37	17 37	16 6	16 34	19 46	13 3	1 42							
F 19	0 44	0s22	4 5	3 28	0 1	15 37	7 38	23 33	0 5	21 13	0 52	8 59	2 15	23 4	0 3	21 43	1 19	7 38	17 37	16 4	16 33	19 46	13 4	1 42							
S 20	0 20	4 46	3 16	4 25	0n10	15 37	7 43	23 34	0 6	21 13	0 52	9 2	2 15	23 4	0 3	21 43	1 19	7 39	17 38	16 1	16 33	19 46	13 5	1 42							
S 21	0n 4	8 52	2 19	5 21	0 22	15 35	7 48	23 35	0 7	21 13	0 52	9 4	2 15	23 4	0 3	21 43	1 19	7 40	17 38	16 0	16 32	19 47	13 6	1 42							
M22	0 28	12 30	1 17	6 15	0 34	15 31	7 52	23 36	0 9	21 13	0 52	9 7	2 15	23 4	0 3	21 43	1 19	7 40	17 38	15 59	16 31	19 47	13 7	1 42							
T 23	0 51	15 32	0 11	7 9	0 46	15 26	7 55	23 37	0 10	21 13	0 52	9 10	2 15	23 4	0 3	21 43	1 19	7 41	17 38	15 59	16 30	19 47	13 8	1 42							
W24	1 15	17 50	0n54	8 2	0 58	15 20	7 58	23 38	0 11	21 13	0 52	9 12	2 14	23 4	0 3	21 44	1 19	7 42	17 38	15 59	16 29	19 47	13 9	1 42							
T 25	1 38	19 21	1 56	8 53	1 10	15 12	7 59	23 39	0 13	21 13	0 52	9 15	2 14	23 4	0 3	21 44	1 19	7 43	17 39	15 59	16 28	19 48	13 10	1 42							
F 26	2 2	20 0	2 53	9 42	1 22	15 2	8 0	23 39	0 14	21 13	0 52	9 18	2 14	23 4	0 3	21 44	1 19	7 43	17 39	16 0	16 27	19 48	13 11	1 42							
S 27	2 25	19 46	3 43	10 29	1 34	14 51	8 1	23 40	0 16	21 13	0 52	9 20	2 14	23 4	0 3	21 44	1 19	7 44	17 39	16 0	16 26	19 48	13 13	1 42							
S 28	2 49	18 38	4 23	11 13	1 46	14 39	8 0	23 40	0 17	21 13	0 52	9 23	2 14	23 4	0 3	21 44	1 19	7 45	17 39	16 0	16 25	19 48	13 14	1 42							
M29	3 12	16 39	4 53	11 55	1 57	14 25	7 59	23 40	0 19	21 13	0 52	9 25	2 14	23 4	0 3	21 44	1 19	7 46	17 39	16 0	16 24	19 48	13 15	1 42							
T 30	3 36	13 52	5 9	12 35	2 7	14 9	7 56	23 41	0 20	21 13	0 52	9 28	2 14	23 4	0 3	21 44	1 19	7 46	17 40	15 59	16 23	19 49	13 16	1 42							
W31	3n59	10s22	5n11	13n12	2n17	13n53	7n53	23s41	0s22	21s13	0n52	9n31	2s14	23s 4	0s 3	21n44	1s19	7n47	17n40	15s58	16s22	19s49	13n17	1s42							

ASTRODIENST EPHEMERIS for the year 1734

geocentric

APRIL 1734

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 36 23	11°17' 127	1°39' 39	29°59' 59	16°R11	7°0' 0	10°R39	0°27' 27	19°R 1	19°II25	22°R 5	13°R35	15°M 0	9°25' 52	10°8' 16	T 1
F 2	12 40 20	12° 0' 31	15°13' 13	1°8' 4	15°Y34	7°33' 33	10°27' 39	0°34' 34	19°27' 27	19°27' 27	22°27' 27	13°M30	14°56' 56	9°59' 59	10°20' 20	F 2
S 3	12 44 17	12°59' 33	29° 8' 8	2° 2' 2	14°57' 57	8° 6' 6	10°37' 37	0°42' 42	19° 0' 0	19°28' 28	22° 1' 1	13°25' 25	14°53' 53	10° 5' 5	10°24' 24	S 3
S 4	12 48 13	13°58' 34	13°Y23	2°55' 55	14°19' 19	8°39' 39	10°36' 36	0°49' 49	19° 0' 0	19°29' 29	22° 0' 0	13°21' 21	14°50' 50	10°12' 12	10°28' 28	S 4
M 5	12 52 10	14°57' 32	27°52' 52	3°41' 41	13°41' 41	9°12' 12	10°35' 35	0°57' 57	18°59' 59	19°30' 30	21°58' 58	13°19' 19	14°47' 47	10°19' 19	10°31' 31	M 5
T 6	12 56 6	15°56' 28	12°30' 30	4°21' 21	13° 4' 4	9°44' 44	10°33' 33	1° 4' 4	18°58' 58	19°31' 31	21°56' 56	13°D18	14°44' 44	10°25' 25	10°35' 35	T 6
W 7	13 0 3	16°55' 22	27° 8' 8	4°54' 54	12°27' 27	10°17' 17	10°31' 31	1°12' 12	18°58' 58	19°32' 32	21°55' 55	13°19' 19	14°41' 41	10°32' 32	10°39' 39	W 7
T 8	13 3 59	17°54' 14	11°II43	5°20' 20	11°50' 50	10°49' 49	10°29' 29	1°19' 19	18°57' 57	19°34' 34	21°53' 53	13°20' 20	14°37' 37	10°39' 39	10°43' 43	T 8
F 9	13 7 56	18°53' 04	26° 9' 9	5°40' 40	11°15' 15	11°21' 21	10°27' 27	1°27' 27	18°56' 56	19°35' 35	21°51' 51	13°21' 21	14°34' 34	10°45' 45	10°47' 47	F 9
S 10	13 11 52	19°51' 51	10°23' 23	5°53' 53	10°41' 41	11°53' 53	10°24' 24	1°34' 34	18°55' 55	19°36' 36	21°50' 50	13°23' 23	14°31' 31	10°52' 52	10°51' 51	S 10
S 11	13 15 49	20°50' 36	24°23' 23	6° 0' 0	10° 8' 8	12°25' 25	10°22' 22	1°42' 42	18°55' 55	19°37' 37	21°48' 48	13°R23	14°28' 28	10°59' 59	10°55' 55	S 11
M12	13 19 46	21°49' 19	8°D 8	6°R 1	9°36' 36	12°57' 57	10°19' 19	1°50' 50	18°54' 54	19°39' 39	21°46' 46	13°22' 22	14°25' 25	11° 5' 5	10°59' 59	M12
T 13	13 23 42	22°48' 00	21°38' 38	5°55' 55	9° 7' 7	13°29' 29	10°16' 16	1°57' 57	18°53' 53	19°40' 40	21°45' 45	13°20' 20	14°21' 21	11°12' 12	11° 3' 3	T 13
W14	13 27 39	23°46' 38	4°M 54	5°44' 44	8°39' 39	14° 0' 0	10°13' 13	2° 5' 5	18°52' 52	19°42' 42	21°43' 43	13°18' 18	14°18' 18	11°19' 19	11° 7' 7	W14
T 15	13 31 35	24°45' 14	17°56' 56	5°27' 27	8°13' 13	14°31' 31	10°10' 10	2°13' 13	18°51' 51	19°43' 43	21°41' 41	13°15' 15	14°15' 15	11°25' 25	11°11' 11	T 15
F 16	13 35 32	25°43' 48	0°24' 43	5° 6' 6	7°50' 50	15° 2' 2	10° 6' 6	2°20' 20	18°49' 49	19°44' 44	21°40' 40	13°12' 12	14°12' 12	11°32' 32	11°15' 15	F 16
S 17	13 39 28	26°42' 19	13°18' 18	4°39' 39	7°28' 28	15°33' 33	10° 3' 3	2°28' 28	18°48' 48	19°46' 46	21°38' 38	13°10' 10	14° 9' 9	11°39' 39	11°19' 19	S 17
S 18	13 43 25	27°40' 49	25°41' 41	4° 9' 9	7° 9' 9	16° 4' 4	9°59' 59	2°35' 35	18°47' 47	19°47' 47	21°36' 36	13° 9' 9	14° 6' 6	11°45' 45	11°23' 23	S 18
M19	13 47 21	28°39' 17	7°M 52	3°35' 35	6°53' 53	16°35' 35	9°55' 55	2°43' 43	18°46' 46	19°49' 49	21°34' 34	13°D 8	14° 2' 2	11°52' 52	11°27' 27	M19
T 20	13 51 18	29°37' 43	19°55' 55	2°59' 59	6°38' 38	17° 5' 5	9°51' 51	2°51' 51	18°45' 45	19°50' 50	21°33' 33	13° 8' 8	13°59' 59	11°59' 59	11°31' 31	T 20
W21	13 55 15	0°36' 08	1°27' 50	2°20' 20	6°27' 27	17°35' 35	9°46' 46	2°59' 59	18°43' 43	19°52' 52	21°31' 31	13° 9' 9	13°56' 56	12° 5' 5	11°35' 35	W21
T 22	13 59 11	1°34' 30	13°40' 40	1°40' 40	6°17' 17	18° 5' 5	9°42' 42	3° 6' 6	18°42' 42	19°54' 54	21°29' 29	13°10' 10	13°53' 53	12°12' 12	11°40' 40	T 22
F 23	14 3 8	2°32' 51	25°29' 29	1° 0' 0	6°10' 10	18°35' 35	9°37' 37	3°14' 14	18°40' 40	19°55' 55	21°28' 28	13°11' 11	13°50' 50	12°19' 19	11°44' 44	F 23
S 24	14 7 4	3°31' 11	7°20' 18	0°19' 19	6° 6' 6	19° 5' 5	9°33' 33	3°22' 22	18°39' 39	19°57' 57	21°26' 26	13°12' 12	13°47' 47	12°25' 25	11°48' 48	S 24
S 25	14 11 1	4°29' 29	19°18' 18	29°Y40	6°D 4	19°35' 35	9°28' 28	3°29' 29	18°38' 38	19°59' 59	21°25' 25	13°12' 12	13°43' 43	12°32' 32	11°52' 52	S 25
M26	14 14 57	5°27' 45	1°27' 45	2° 2' 2	6° 4' 4	20° 4' 4	9°23' 23	3°37' 37	18°36' 36	20° 0' 0	21°23' 23	13°R13	13°40' 40	12°39' 39	11°56' 56	M26
T 27	14 18 54	6°26' 00	13°51' 51	28°27' 27	6° 7' 7	20°33' 33	9°17' 17	3°45' 45	18°34' 34	20° 2' 2	21°21' 21	13°13' 13	13°37' 37	12°45' 45	12° 0' 0	T 27
W28	14 22 50	7°24' 13	26°35' 35	27°54' 54	6°12' 12	21° 2' 2	9°12' 12	3°52' 52	18°33' 33	20° 4' 4	21°20' 20	13°12' 12	13°34' 34	12°52' 52	12° 4' 4	W28
T 29	14 26 47	8°22' 25	9°27' 42	27°24' 24	6°19' 19	21°30' 30	9° 7' 7	4° 0' 0	18°31' 31	20° 5' 5	21°18' 18	13°12' 12	13°31' 31	12°59' 59	12° 9' 9	T 29
F 30	14 30 43	9°20' 35	23°27' 14	26°Y58	6°Y29	21°25' 25	9°27' 27	4° 8' 8	18°29' 29	20°II 7	21°16' 16	13°M11	13°M27	13°27' 27	12°28' 28	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	4n22	6s16	4n57	13n46	2n26	13n35	7n49	23s40	0s23	21s13	0n53	9n33	2s14	23s 4	0s 3	21n45	1s19	7n48	17n40	15s56	16s21	19s49	13n18	1s42			
F 2	4 45	1 45	4 26	14 17	2 35	13 16	7 44	23 40	0 25	21 12	0 53	9 36	2 14	23 4	0 3	21 45	1 19	7 48	17 40	15 55	16 20	19 49	13 19	1 42			
S 3	5 8	3n 0	3 39	14 44	2 43	12 56	7 38	23 40	0 26	21 12	0 53	9 39	2 13	23 4	0 3	21 45	1 19	7 49	17 40	15 53	16 20	19 49	13 20	1 42			
S 4	5 31	7 42	2 37	15 9	2 49	12 35	7 32	23 39	0 28	21 12	0 53	9 41	2 13	23 4	0 3	21 45	1 19	7 50	17 40	15 52	16 19	19 49	13 22	1 42			
M 5	5 54	12 2	1 24	15 30	2 55	12 13	7 24	23 39	0 30	21 12	0 53	9 44	2 13	23 4	0 3	21 45	1 18	7 50	17 40	15 51	16 18	19 50	13 23	1 42			
T 6	6 17	15 41	0 4	15 48	3 0	11 51	7 16	23 38	0 32	21 11	0 53	9 47	2 13	23 4	0 3	21 45	1 18	7 51	17 40	15 51	16 17	19 50	13 24	1 42			
W 7	6 39	18 19	1s15	16 3	3 3	11 28	7 7	23 38	0 33	21 11	0 53	9 49	2 13	23 4	0 3	21 45	1 18	7 52	17 40	15 51	16 16	19 50	13 25	1 42			
T 8	7 2	19 45	2 30	16 14	3 6	11 4	6 57	23 37	0 35	21 11	0 53	9 52	2 13	23 4	0 3	21 46	1 18	7 52	17 40	15 52	16 15	19 50	13 26	1 42			
F 9	7 24	19 51	3 34	16 22	3 7	10 41	6 46	23 36	0 37	21 10	0 53	9 55	2 13	23 4	0 3	21 46	1 18	7 53	17 40	15 52	16 14	19 50	13 27	1 43			
S 10	7 47	18 40	4 25	16 26	3 6	10 17	6 35	23 35	0 39	21 10	0 53	9 58	2 13	23 4	0 3	21 46	1 18	7 54	17 40	15 53	16 13	19 50	13 29	1 43			
S 11	8 9	16 23	4 58	16 27	3 5	9 53	6 23	23 34	0 40	21 10	0 53	10 0	2 13	23 4	0 3	21 46	1 18	7 54	17 40	15 53	16 12	19 50	13 30	1 43			
M12	8 31	13 12	5 14	16 24	3 2	9 30	6 11	23 33	0 42	21 9	0 53	10 3	2 13	23 4	0 3	21 46	1 18	7 55	17 40	15 52	16 11	19 51	13 31	1 43			
T 13	8 53	9 23	5 12	16 18	2 57	9 6	5 58	23 31	0 44	21 9	0 53	10 6	2 13	23 3	0 3	21 46	1 18	7 56	17 40	15 52	16 10	19 51	13 32	1 43			
W14	9 14	5 10	4 53	16 9	2 51	8 43	5 45	23 30	0 46	21 8	0 53	10 8	2 13	23 3	0 3	21 46	1 18	7 56	17 40	15 51	16 9	19 51	13 33	1 43			
T 15	9 36	0 48	4 20	15 56	2 44	8 21	5 32	23 29	0 48	21 8	0 53	10 11	2 13	23 3	0 3	21 47	1 18	7 57	17 40	15 50	16 8	19 51	13 34	1 43			
F 16	9 57	3s33	3 33	15 40	2 35	7 59	5 19	23 27	0 50	21 7	0 53	10 14	2 13	23 3	0 3	21 47	1 18	7 57	17 40	15 49	16 7	19 51	13 36	1 43			
S 17	10 19	7 41	2 38	15 22	2 25	7 38	5 5	23 26	0 52	21 7	0 53	10 16	2 13	23 3	0 3	21 47	1 18	7 58	17 40	15 49	16 6	19 51	13 37	1 43			
S 18	10 40	11 25	1 35	15 1	2 14	7 18	4 51	23 24	0 54	21 6	0 53	10 19	2 13	23 3	0 3	21 47	1 18	7 58	17 40	15 48	16 5	19 51	13 38	1 43			
M19	11 1	14 37	0 29	14 37	2 1	6 58	4 37	23 22	0 56	21 5	0 53	10 21	2 12	23 3	0 3	21 47	1 18	7 59	17 40	15 48	16 4	19 51	13 39	1 43			
T 20	11 21	17 8	0n38	14 12	1 47	6 39	4 23	23 20	0 58	21 5	0 53	10 24	2 12	23 3	0 3	21 47	1 18	7 59	17 40	15 48	16 4	19 51	13 40	1 43			
W21	11 42	18 54	1 42	13 45	1 33	6 22	4 9	23 19	1 0	21 4	0 53	10 27	2 12	23 3	0 3	21 48	1 18	8 0	17 40	15 48	16 3	19 52	13 42	1 43			
T 22	12 2	19 48	2 41	13 16	1 17	6 5	3 55	23 17	1 3	21 3	0 53	10 29	2 12	23 3	0 3	21 48	1 18	8 0	17 40	15 49	16 2	19 52	13 43	1 43			
F 23	12 22	19 50	3 34	12 47	1 1	5 50	3 41	23 15	1 5	21 3	0 53	10 32	2 12	23 3	0 3	21 48	1 18	8 1	17 40	15 49	16 1	19 52	13 44	1 43			
S 24	12 42	18 59	4 18	12 17	0 44	5 35	3 27	23 13	1 7	21 2	0 53	10 35	2 12	23 2	0 3	21 48	1 18	8 1	17 40	15 49	16 0	19 52	13 45	1 43			
S 25	13 2	17 17	4 50	11 48	0 27	5 22	3 13	23 11	1 9	21 1	0 53	10 37	2 12	23 2	0 3	21 48	1 18	8 2	17 40	15 49	15 59	19 52	13 46	1 43			
M26	13 22	14 48	5 11	11 18	0 10	5 10	3 0	23 9	1 12	21 1	0 53	10 40	2 12	23 2	0 3	21 48	1 18	8 2	17 39	15 50	15 58	19 52	13 48	1 44			
T 27	13 41	11 37	5 18	10 49	0s 7	4 59	2 46	23 7	1 14	21 0	0 53	10 42	2 12	23 2	0 3	21 49	1 18	8 3	17 39	15 50	15 57	19 52	13 49	1 44			
W28	14 0	7 50	5 9	10 22	0 24	4 48	2 33	23 5	1 16	20 59	0 53	10 45	2 12	23 2	0 3	21 49	1 17	8 3	17 39	15 49	15 56	19 52	13 50	1 44			
T 29	14 19	3 33	4 44	9 56	0 41	4 40	2 20	23 3	1 19	20 58	0 53	10 48	2 12	23 2	0 3	21 49	1 17	8 4	17 39	15 49	15 55	19 52	13 51	1 44			
F 30	14n38	1n 2	4n 3	9n31	0s57	4n32	2n 8	23s 1	1s21	20s57	0n53	10n50	2s12	23s 2	0s 3	21n49	1s17	8n 4	17n39	15s49	15s54	19s52	13n52	1s44			

ASTRODIENST EPHEMERIS for the year 1734
geocentric

MAY 1734

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 34 40	10♌18'44	7♏13	26°R36	6♏40	22♌27	8°R55	4♌15	18°R28	20♏9	21°R15	13°R11	13♌24	13♏12	12♌17	S 1
S 2	14 38 37	11°16'51	21°36	26♏19	6°54	22°55	8♏49	4°23	18♏26	20°11	21♏13	13♌11	13°21	13°19	12°21	S 2
M 3	14 42 33	12°14'56	6♌18	26° 5	7°10	23°22	8°43	4°31	18°24	20°13	21°12	13°11	13°18	13°25	12°25	M 3
T 4	14 46 30	13°13'01	21°14	25°57	7°27	23°49	8°37	4°38	18°22	20°15	21°10	13°11	13°15	13°32	12°29	T 4
W 5	14 50 26	14°11'03	6♏15	25°D52	7°47	24°17	8°31	4°46	18°20	20°16	21° 9	13°11	13°12	13°39	12°34	W 5
T 6	14 54 23	15° 9'04	21°14	25°53	8° 8	24°43	8°25	4°54	18°19	20°18	21° 7	13°11	13° 8	13°45	12°38	T 6
F 7	14 58 19	16° 7'03	6♌1	25°58	8°31	25°10	8°18	5° 1	18°17	20°20	21° 6	13°10	13° 5	13°52	12°42	F 7
S 8	15 2 16	17° 5'00	20°31	26° 8	8°56	25°36	8°11	5° 9	18°15	20°22	21° 4	13°10	13° 2	13°59	12°46	S 8
S 9	15 6 12	18° 2'55	4♏41	26°23	9°22	26° 2	8° 5	5°16	18°13	20°24	21° 3	13°10	12°59	14° 5	12°50	S 9
M10	15 10 9	19° 0'49	18°28	26°42	9°50	26°28	7°58	5°24	18°11	20°26	21° 1	13°D10	12°56	14°12	12°55	M10
T 11	15 14 6	19°58'40	1♏53	27° 5	10°19	26°53	7°51	5°31	18° 9	20°28	21° 0	13°10	12°52	14°19	12°59	T 11
W12	15 18 2	20°56'30	14°58	27°33	10°50	27°18	7°44	5°39	18° 7	20°30	20°58	13°10	12°49	14°25	13° 3	W12
T 13	15 21 59	21°54'18	27°44	28° 5	11°22	27°43	7°37	5°46	18° 4	20°32	20°57	13°11	12°46	14°32	13° 7	T 13
F 14	15 25 55	22°52'04	10♏15	28°40	11°56	28° 7	7°30	5°54	18° 2	20°34	20°56	13°12	12°43	14°39	13°11	F 14
S 15	15 29 52	23°49'49	22°33	29°20	12°31	28°31	7°23	6° 1	18° 0	20°36	20°54	13°13	12°40	14°45	13°15	S 15
S 16	15 33 48	24°47'33	4♏41	0♌3	13° 7	28°55	7°16	6° 9	17°58	20°38	20°53	13°13	12°37	14°52	13°19	S 16
M17	15 37 45	25°45'14	16°41	0°51	13°44	29°18	7° 8	6°16	17°56	20°40	20°52	13°R13	12°33	14°59	13°24	M17
T 18	15 41 41	26°42'55	28°35	1°41	14°23	29°41	7° 1	6°24	17°54	20°42	20°50	13°13	12°30	15° 5	13°28	T 18
W19	15 45 38	27°40'34	10♏26	2°35	15° 2	0♏4	6°54	6°31	17°51	20°44	20°49	13°12	12°27	15°12	13°32	W19
T 20	15 49 35	28°38'12	22°15	3°32	15°43	0°26	6°46	6°38	17°49	20°46	20°48	13°10	12°24	15°19	13°36	T 20
F 21	15 53 31	29°35'49	4♌5	4°33	16°25	0°48	6°39	6°46	17°47	20°48	20°47	13° 7	12°21	15°25	13°40	F 21
S 22	15 57 28	0♏33'25	15°59	5°37	17° 7	1° 9	6°31	6°53	17°45	20°51	20°45	13° 5	12°18	15°32	13°44	S 22
S 23	16 1 24	1°31'00	27°59	6°43	17°51	1°30	6°24	7° 0	17°42	20°53	20°44	13° 2	12°14	15°39	13°48	S 23
M24	16 5 21	2°28'34	10♏9	7°53	18°36	1°51	6°16	7° 7	17°40	20°55	20°43	13° 0	12°11	15°45	13°52	M24
T 25	16 9 17	3°26'06	22°32	9° 5	19°21	2°11	6° 8	7°15	17°38	20°57	20°42	12°59	12° 8	15°52	13°56	T 25
W26	16 13 14	4°23'38	5♏13	10°21	20° 7	2°31	6° 1	7°22	17°35	20°59	20°41	12°D58	12° 5	15°59	14° 0	W26
T 27	16 17 10	5°21'09	18°15	11°39	20°55	2°50	5°53	7°29	17°33	21° 1	20°40	12°59	12° 2	16° 5	14° 4	T 27
F 28	16 21 7	6°18'40	1♏40	13° 0	21°42	3° 9	5°45	7°36	17°30	21° 3	20°39	13° 0	11°58	16°12	14° 8	F 28
S 29	16 25 4	7°16'09	15°32	14°24	22°31	3°27	5°38	7°43	17°28	21° 6	20°38	13° 2	11°55	16°19	14°12	S 29
S 30	16 29 0	8°13'38	29°50	15°50	23°20	3°45	5°30	7°50	17°26	21° 8	20°37	13° 3	11°52	16°25	14°16	S 30
M31	16 32 57	9♏11'06	14♌32	17♌19	24♏11	4♏2	5♏22	7♌57	17♏23	21♏10	20♏36	13°R 3	11♌49	16♏32	14♌20	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	14n56	5n44	3n 7	9n 9	1s13	4n25	1n55	22s58	1s24	20s56	0n53	10n53	2s12	23s 2	0s 3	21n49	1s17	8n 4	17n39	15s49	15s53	19s52	13n54	1s44	
S 2	15 14	10 14	1 57	8 48	1 28	4 19	1 43	22 56	1 26	20 56	0 53	10 55	2 12	23 1	0 3	21 49	1 17	8 5	17 38	15 49	15 52	19 52	13 55	1 44	
M 3	15 32	14 14	0 38	8 30	1 42	4 15	1 31	22 54	1 29	20 55	0 53	10 58	2 12	23 1	0 3	21 50	1 17	8 5	17 38	15 49	15 51	19 52	13 56	1 44	
T 4	15 50	17 22	0s45	8 15	1 55	4 11	1 20	22 52	1 31	20 54	0 53	11 0	2 12	23 1	0 3	21 50	1 17	8 5	17 38	15 49	15 50	19 52	13 57	1 44	
W 5	16 7	19 20	2 5	8 2	2 8	4 8	1 9	22 50	1 34	20 53	0 53	11 3	2 12	23 1	0 3	21 50	1 17	8 6	17 38	15 49	15 49	19 52	13 58	1 44	
T 6	16 24	19 55	3 16	7 51	2 19	4 7	0 58	22 48	1 37	20 52	0 53	11 6	2 12	23 1	0 3	21 50	1 17	8 6	17 37	15 49	15 48	19 53	14 0	1 44	
F 7	16 41	19 7	4 13	7 43	2 30	4 6	0 47	22 45	1 39	20 51	0 53	11 8	2 12	23 1	0 3	21 50	1 17	8 6	17 37	15 49	15 47	19 53	14 1	1 44	
S 8	16 58	17 4	4 53	7 38	2 39	4 6	0 37	22 43	1 42	20 50	0 53	11 11	2 12	23 0	0 3	21 50	1 17	8 7	17 37	15 49	15 46	19 53	14 2	1 45	
S 9	17 14	14 2	5 14	7 35	2 48	4 7	0 27	22 41	1 45	20 49	0 53	11 13	2 12	23 0	0 3	21 51	1 17	8 7	17 37	15 49	15 45	19 53	14 3	1 45	
M10	17 30	10 18	5 16	7 34	2 56	4 9	0 17	22 39	1 48	20 48	0 53	11 15	2 12	23 0	0 3	21 51	1 17	8 7	17 36	15 49	15 44	19 53	14 4	1 45	
T 11	17 46	6 8	5 1	7 36	3 3	4 12	0 7	22 37	1 50	20 47	0 53	11 18	2 12	23 0	0 3	21 51	1 17	8 7	17 36	15 49	15 43	19 53	14 5	1 45	
W12	18 1	1 47	4 30	7 41	3 9	4 16	0s 2	22 35	1 53	20 46	0 53	11 20	2 12	23 0	0 3	21 51	1 17	8 8	17 36	15 49	15 42	19 53	14 7	1 45	
T 13	18 16	2s34	3 47	7 47	3 14	4 20	0 11	22 33	1 56	20 45	0 53	11 23	2 12	23 0	0 3	21 51	1 17	8 8	17 35	15 49	15 42	19 53	14 8	1 45	
F 14	18 31	6 43	2 53	7 56	3 18	4 26	0 19	22 31	1 59	20 43	0 53	11 25	2 13	22 59	0 3	21 51	1 17	8 8	17 35	15 49	15 41	19 53	14 9	1 45	
S 15	18 45	10 31	1 52	8 7	3 21	4 32	0 28	22 29	2 2	20 42	0 53	11 28	2 13	22 59	0 4	21 52	1 17	8 8	17 35	15 50	15 40	19 53	14 10	1 45	
S 16	19 0	13 50	0 47	8 20	3 24	4 38	0 36	22 27	2 5	20 41	0 53	11 30	2 13	22 59	0 4	21 52	1 17	8 8	17 34	15 50	15 39	19 53	14 11	1 45	
M17	19 13	16 32	0n19	8 34	3 25	4 46	0 43	22 25	2 9	20 40	0 53	11 32	2 13	22 59	0 4	21 52	1 17	8 9	17 34	15 50	15 38	19 53	14 12	1 45	
T 18	19 27	18 30	1 24	8 51	3 26	4 54	0 51	22 23	2 12	20 39	0 52	11 35	2 13	22 59	0 4	21 52	1 17	8 9	17 34	15 50	15 37	19 53	14 13	1 46	
W19	19 40	19 39	2 25	9 9	3 26	5 2	0 58	22 22	2 15	20 38	0 52	11 37	2 13	22 59	0 4	21 52	1 17	8 9	17 33	15 49	15 36	19 53	14 14	1 46	
T 20	19 53	19 55	3 20	9 29	3 25	5 12	1 5	22 20	2 18	20 37	0 52	11 40	2 13	22 58	0 4	21 52	1 17	8 9	17 33	15 49	15 35	19 53	14 16	1 46	
F 21	20 6	19 19	4 6	9 51	3 24	5 21	1 12	22 19	2 22	20 35	0 52	11 42	2 13	22 58	0 4	21 53	1 17	8 9	17 33	15 48	15 34	19 53	14 17	1 46	
S 22	20 18	17 52	4 41	10 14	3 22	5 32	1 18	22 17	2 25	20 34	0 52	11 44	2 13	22 58	0 4	21 53	1 17	8 9	17 32	15 47	15 33	19 53	14 18	1 46	
S 23	20 30	15 37	5 5	10 39	3 19	5 43	1 24	22 16	2 28	20 33	0 52	11 46	2 13	22 58	0 4	21 53	1 17	8 9	17 32	15 46	15 32	19 53	14 19	1 46	
M24	20 41	12 40	5 15	11 4	3 15	5 54	1 30	22 14	2 32	20 32	0 52	11 49	2 13	22 58	0 4	21 53	1 17	8 9	17 31	15 46	15 31	19 52	14 20	1 46	
T 25	20 52	9 7	5 11	11 31	3 11	6 6	1 36	22 13	2 35	20 31	0 52	11 51	2 13	22 57	0 4	21 53	1 17	8 9	17 31	15 45	15 30	19 52	14 21	1 46	
W26	21 3	5 5	4 52	11 59	3 7	6 19	1 42	22 12	2 39	20 29	0 52	11 53	2 13	22 57	0 4	21 53	1 17	8 9	17 31	15 45	15 29	19 52	14 22	1 46	
T 27	21 13	0 42	4 18	12 29	3 1	6 31	1 47	22 11	2 42	20 28	0 52	11 55	2 13	22 57	0 4	21 54	1 17	8 9	17 30	15 45	15 28	19 52	14 23	1 47	
F 28	21 23	3n51	3 29	12 59	2 55	6 45	1 52	22 10	2 46	20 27	0 52	11 58	2 13	22 57	0 4	21 54	1 17	8 9	17 30	15 46	15 27	19 52	14 24	1 47	
S 29	21 33	8 22	2 26	13 30	2 49	6 58	1 57	22 9	2 50	20 26	0 51	12 0	2 13	22 56	0 4	21 54	1 17	8 9	17 29	15 46	15 26	19 52	14 25	1 47	
S 30	21 43	12 33	1 12	14 1	2 42	7 12	2 1	22 9	2 53	20 25	0 51	12 2	2 14	22 56	0 4	21 54	1 17	8 9	17 29	15 47	15 25	19 52	14 26	1 47	
M31	21n51	16n 5	0s 8	14n34	2s34	7n27	2s 6	22s 8	2s57	20s23	0n51	12n 4	2s14	22s56	0s 4	21n54	1s17	8n 9	17n28	15s47	15s24	19s52	14n27	1s47	

ASTRODIENST EPHEMERIS for the year 1734

geocentric

JUNE 1734

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 36 53	10 ^{II} 8'34	29 ^{III} 33	18 ^{III} 51	25 ^{VI} 1	4 ^{III} 19	5°R15	8 ^{III} 4	17°R21	21 ^{II} 12	20°R35	13°R 2	11 ^{III} 46	16 ^{III} 39	14 ^{III} 24	T 1
W 2	16 40 50	11° 6'00	14 ^{II} 44	20°25	25°53	4°35	5 ^{III} 7	8°11	17 ^{III} 18	21°14	20 ^{III} 34	13 ^{III} 0	11°43	16°45	14°28	W 2
T 3	16 44 46	12° 3'26	29°57	22° 2	26°45	4°51	5° 0	8°18	17°16	21°17	20°33	12°57	11°39	16°52	14°31	T 3
F 4	16 48 43	13° 0'50	15 ^{III} 1	23°42	27°37	5° 6	4°52	8°25	17°13	21°19	20°32	12°53	11°36	16°59	14°35	F 4
S 5	16 52 40	13°58'14	29°47	25°24	28°30	5°21	4°45	8°31	17°11	21°21	20°31	12°49	11°33	17° 5	14°39	S 5
S 6	16 56 36	14°55'36	14 ^{II} 10	27° 9	29°24	5°35	4°37	8°38	17° 9	21°23	20°30	12°45	11°30	17°12	14°43	S 6
M 7	17 0 33	15°52'58	28° 5	28°56	0 ^{III} 18	5°48	4°30	8°45	17° 6	21°26	20°30	12°43	11°27	17°19	14°47	M 7
T 8	17 4 29	16°50'18	11 ^{III} 33	0 ^{II} 46	1°13	6° 1	4°22	8°51	17° 4	21°28	20°29	12°D41	11°24	17°25	14°50	T 8
W 9	17 8 26	17°47'37	24°36	2°38	2° 8	6°13	4°15	8°58	17° 1	21°30	20°28	12°41	11°20	17°32	14°54	W 9
T 10	17 12 22	18°44'56	7 ^{III} 16	4°33	3° 4	6°25	4° 8	9° 5	16°59	21°32	20°27	12°42	11°17	17°39	14°58	T 10
F 11	17 16 19	19°42'13	19°38	6°30	4° 0	6°36	4° 1	9°11	16°56	21°35	20°27	12°44	11°14	17°45	15° 1	F 11
S 12	17 20 15	20°39'30	1 ^{III} 46	8°29	4°56	6°46	3°54	9°18	16°54	21°37	20°26	12°45	11°11	17°52	15° 5	S 12
S 13	17 24 12	21°36'46	13°45	10°30	5°53	6°56	3°47	9°24	16°51	21°39	20°26	12°R46	11° 8	17°59	15° 8	S 13
M14	17 28 8	22°34'01	25°37	12°34	6°51	7° 5	3°40	9°30	16°49	21°41	20°25	12°45	11° 4	18° 5	15°12	M14
T 15	17 32 5	23°31'15	7 ^{III} 27	14°39	7°49	7°14	3°33	9°37	16°46	21°43	20°24	12°42	11° 1	18°12	15°15	T 15
W16	17 36 2	24°28'29	19°16	16°46	8°47	7°21	3°26	9°43	16°44	21°46	20°24	12°38	10°58	18°19	15°19	W16
T 17	17 39 58	25°25'43	1 ^{III} 7	18°54	9°45	7°29	3°20	9°49	16°42	21°48	20°23	12°31	10°55	18°25	15°22	T 17
F 18	17 43 55	26°22'56	13° 1	21° 4	10°44	7°35	3°13	9°55	16°39	21°50	20°23	12°24	10°52	18°32	15°26	F 18
S 19	17 47 51	27°20'08	25° 1	23°14	11°44	7°41	3° 7	10° 1	16°37	21°52	20°23	12°16	10°49	18°39	15°29	S 19
S 20	17 51 48	28°17'21	7 ^{III} 8	25°25	12°43	7°46	3° 0	10° 7	16°34	21°55	20°22	12° 8	10°45	18°45	15°33	S 20
M21	17 55 44	29°14'33	19°24	27°36	13°43	7°50	2°54	10°13	16°32	21°57	20°22	12° 1	10°42	18°52	15°36	M21
T 22	17 59 41	0 ^{III} 11'45	1 ^{III} 51	29°47	14°44	7°53	2°48	10°19	16°30	21°59	20°22	11°55	10°39	18°59	15°39	T 22
W23	18 3 38	1° 8'57	14°33	1 ^{III} 59	15°44	7°56	2°42	10°25	16°27	22° 1	20°21	11°52	10°36	19° 5	15°42	W23
T 24	18 7 34	2° 6'09	27°32	4° 9	16°45	7°58	2°36	10°31	16°25	22° 4	20°21	11°D50	10°33	19°12	15°46	T 24
F 25	18 11 31	3° 3'21	10 ^{III} 52	6°19	17°47	7°59	2°30	10°36	16°23	22° 6	20°21	11°50	10°30	19°19	15°49	F 25
S 26	18 15 27	4° 0'34	24°34	8°28	18°48	8°R 0	2°25	10°42	16°20	22° 8	20°21	11°51	10°26	19°25	15°52	S 26
S 27	18 19 24	4°57'46	8 ^{III} 41	10°36	19°50	7°59	2°19	10°48	16°18	22°10	20°21	11°R52	10°23	19°32	15°55	S 27
M28	18 23 20	5°54'59	23°11	12°43	20°52	7°58	2°14	10°53	16°16	22°12	20°20	11°52	10°20	19°39	15°58	M28
T 29	18 27 17	6°52'12	8 ^{II} 3	14°48	21°55	7°56	2° 9	10°58	16°13	22°14	20°20	11°49	10°17	19°45	16° 1	T 29
W30	18 31 13	7°54'25	23 ^{II} 9	16°51	22°57	7°54	2 ^{III} 4	11°III 4	16°11	22 ^{II} 17	20°20	11 ^{III} 45	10 ^{III} 14	19°47	16°III 4	W30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	22n 0	18n37	1s29	15n 7	2s26	7n41	2s10	22s 8	3s 1	20s22	0n51	12n 6	2s14	22s56	0s 4	21n54	1s17	8n 9	17n28	15s46	15s23	19s52	14n28	1s47	
W 2	22 8	19 52	2 45	15 40	2 18	7 56	2 14	22 8	3 5	20 21	0 51	12 8	2 14	22 56	0 4	21 55	1 17	8 9	17 28	15 46	15 22	19 52	14 29	1 47	
T 3	22 16	19 39	3 49	16 14	2 9	8 11	2 17	22 8	3 9	20 20	0 51	12 11	2 14	22 55	0 4	21 55	1 17	8 9	17 27	15 45	15 21	19 52	14 30	1 48	
F 4	22 23	18 2	4 37	16 48	1 59	8 27	2 21	22 8	3 13	20 18	0 51	12 13	2 14	22 55	0 4	21 55	1 17	8 9	17 27	15 44	15 20	19 52	14 31	1 48	
S 5	22 30	15 15	5 5	17 22	1 50	8 43	2 24	22 8	3 17	20 17	0 50	12 15	2 14	22 55	0 4	21 55	1 17	8 9	17 26	15 42	15 19	19 52	14 32	1 48	
S 6	22 37	11 36	5 13	17 56	1 40	8 59	2 27	22 9	3 21	20 16	0 50	12 17	2 14	22 55	0 4	21 55	1 17	8 8	17 26	15 41	15 18	19 52	14 33	1 48	
M 7	22 43	7 26	5 2	18 30	1 29	9 15	2 30	22 9	3 25	20 15	0 50	12 19	2 14	22 54	0 4	21 55	1 16	8 8	17 25	15 40	15 17	19 52	14 34	1 48	
T 8	22 49	3 1	4 34	19 3	1 19	9 31	2 33	22 10	3 29	20 14	0 50	12 21	2 14	22 54	0 4	21 55	1 16	8 8	17 25	15 40	15 16	19 51	14 35	1 48	
W 9	22 55	1s25	3 53	19 37	1 8	9 48	2 36	22 11	3 33	20 12	0 50	12 23	2 15	22 54	0 4	21 56	1 16	8 8	17 24	15 40	15 15	19 51	14 36	1 48	
T 10	23 0	5 40	3 2	20 9	0 57	10 4	2 38	22 12	3 37	20 11	0 50	12 25	2 15	22 54	0 4	21 56	1 16	8 8	17 24	15 40	15 14	19 51	14 37	1 49	
F 11	23 4	9 35	2 3	20 41	0 46	10 21	2 40	22 13	3 41	20 10	0 50	12 27	2 15	22 54	0 4	21 56	1 16	8 7	17 23	15 41	15 13	19 51	14 38	1 49	
S 12	23 9	13 2	1 0	21 11	0 34	10 38	2 42	22 15	3 46	20 9	0 49	12 29	2 15	22 53	0 4	21 56	1 16	8 7	17 23	15 41	15 12	19 51	14 39	1 49	
S 13	23 12	15 54	0n 5	21 40	0 23	10 55	2 44	22 16	3 50	20 8	0 49	12 31	2 15	22 53	0 4	21 56	1 16	8 7	17 22	15 41	15 11	19 51	14 40	1 49	
M14	23 16	18 4	1 9	22 8	0 12	11 12	2 46	22 18	3 54	20 7	0 49	12 32	2 15	22 53	0 4	21 56	1 16	8 7	17 22	15 41	15 10	19 51	14 41	1 49	
T 15	23 19	19 27	2 10	22 34	0 1	11 30	2 47	22 20	3 59	20 5	0 49	12 34	2 15	22 53	0 4	21 57	1 16	8 6	17 21	15 40	15 9	19 51	14 41	1 49	
W16	23 21	19 58	3 5	22 59	0n10	11 47	2 49	22 22	4 3	20 4	0 49	12 36	2 15	22 52	0 4	21 57	1 16	8 6	17 21	15 39	15 8	19 51	14 42	1 49	
T 17	23 24	19 36	3 52	23 21	0 21	12 4	2 50	22 25	4 8	20 3	0 49	12 38	2 16	22 52	0 4	21 57	1 16	8 6	17 20	15 37	15 7	19 50	14 43	1 50	
F 18	23 25	18 22	4 29	23 41	0 31	12 21	2 51	22 27	4 12	20 2	0 48	12 40	2 16	22 52	0 4	21 57	1 16	8 5	17 19	15 35	15 6	19 50	14 44	1 50	
S 19	23 27	16 20	4 54	23 59	0 41	12 39	2 52	22 30	4 16	20 1	0 48	12 41	2 16	22 52	0 4	21 57	1 16	8 5	17 19	15 32	15 5	19 50	14 45	1 50	
S 20	23 28	13 34	5 7	24 14	0 50	12 56	2 53	22 33	4 21	20 0	0 48	12 43	2 16	22 51	0 4	21 57	1 16	8 5	17 18	15 30	15 4	19 50	14 46	1 50	
M21	23 28	10 11	5 5	24 26	0 59	13 13	2 53	22 36	4 25	19 59	0 48	12 45	2 16	22 51	0 4	21 57	1 16	8 4	17 18	15 28	15 3	19 50	14 46	1 50	
T 22	23 28	6 19	4 50	24 36	1 7	13 30	2 54	22 40	4 30	19 58	0 48	12 47	2 16	22 51	0 4	21 57	1 16	8 4	17 17	15 26	15 2	19 50	14 47	1 50	
W23	23 28	2 6	4 20	24 42	1 15	13 48	2 54	22 43	4 34	19 57	0 47	12 48	2 16	22 51	0 4	21 58	1 16	8 3	17 17	15 25	15 1	19 50	14 48	1 51	
T 24	23 27	2n19	3 36	24 46	1 22	14 5	2 54	22 47	4 39	19 56	0 47	12 50	2 17	22 51	0 4	21 58	1 16	8 3	17 16	15 24	15 0	19 49	14 49	1 51	
F 25	23 26	6 44	2 39	24 47	1 28	14 22	2 54	22 51	4 44	19 55	0 47	12 51	2 17	22 50	0 4	21 58	1 16	8 3	17 16	15 24	14 59	19 49	14 50	1 51	
S 26	23 25	10 57	1 32	24 46	1 34	14 39	2 54	22 56	4 48	19 54	0 47	12 53	2 17	22 50	0 4	21 58	1 16	8 2	17 15	15 25	14 58	19 49	14 50	1 51	
S 27	23 23	14 41	0 17	24 41	1 39	14 55	2 54	23 0	4 53	19 53	0 47	12 55	2 17	22 50	0 4	21 58	1 16	8 2	17 14	15 25	14 57	19 49	14 51	1 51	
M28	23 20	17 37	1s 1	24 34	1 43	15 12	2 54	23 5	4 57	19 53	0 46	12 56	2 17	22 50	0 4	21 58	1 16	8 1	17 14	15 25	14 56	19 49	14 52	1 51	
T 29	23 18	19 27	2 16	24 25	1 46	15 28	2 53	23 9	5 2	19 52	0 46	12 58	2 17	22 49	0 4	21 58	1 16	8 1	17 13	15 24	14 55	19 49	14 52	1 52	
W30	23n14	19n55	3s23	24n13	1n49	15n45	2s53	23s14	5s 6	19s51	0n46	12n59	2s18	22s49	0s 4	21n59	1s16	8n 0	17n13	15s23	14s54	19s48	14n53	1s52	

ASTRODIENST EPHEMERIS for the year 1734
geocentric

JULY 1734

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	18 35 10	8 ⁵⁸ 46'38	8 ⁵⁸ 21	18 ⁵³ 53	24 ⁸ 0	7°R50	1°R59	11 ⁸ 9	16°R 9	22 ^{II} 19	20°D20	11°R38	10 ^{ML} 10	19 ⁷ 59	16 ⁸ 7	T 1
F 2	18 39 7	9°43'51	23°29	20°53	25° 3	7 ⁷ 46	1 ⁷ 54	11°14	16 ⁷ 7	22°21	20 ^{II} 20	11 ^{ML} 29	10° 7	20° 6	16°10	F 2
S 3	18 43 3	10°41'04	8 ⁵⁸ 22	22°52	26° 7	7°41	1°50	11°20	16° 5	22°23	20°20	11°21	10° 4	20°12	16°13	S 3
S 4	18 47 0	11°38'16	22°52	24°48	27°10	7°36	1°45	11°25	16° 3	22°25	20°20	11°13	10° 1	20°19	16°16	S 4
M 5	18 50 56	12°35'29	6 ¹¹ 55	26°43	28°14	7°29	1°41	11°30	16° 0	22°27	20°21	11° 6	9°58	20°26	16°18	M 5
T 6	18 54 53	13°32'42	20°29	28°35	29°18	7°22	1°37	11°35	15°58	22°30	20°21	11° 1	9°55	20°32	16°21	T 6
W 7	18 58 49	14°29'54	3 ^{II} 34	0 ^{II} 26	0 ^{II} 22	7°14	1°33	11°39	15°56	22°32	20°21	10°59	9°51	20°39	16°24	W 7
T 8	19 2 46	15°27'06	16°15	2°15	1°26	7° 6	1°29	11°44	15°54	22°34	20°21	10°D59	9°48	20°46	16°26	T 8
F 9	19 6 42	16°24'19	28°35	4° 2	2°31	6°57	1°25	11°49	15°52	22°36	20°21	10°59	9°45	20°52	16°29	F 9
S 10	19 10 39	17°21'31	10 ^{ML} 40	5°46	3°36	6°47	1°22	11°54	15°50	22°38	20°22	10°R59	9°42	20°59	16°31	S 10
S 11	19 14 36	18°18'44	22°35	7°29	4°41	6°37	1°19	11°58	15°48	22°40	20°22	10°59	9°39	21° 6	16°34	S 11
M12	19 18 32	19°15'56	4 ⁷ 25	9°10	5°46	6°26	1°16	12° 3	15°46	22°42	20°22	10°56	9°36	21°12	16°36	M12
T 13	19 22 29	20°13'09	16°13	10°49	6°51	6°14	1°13	12° 7	15°44	22°44	20°23	10°51	9°32	21°19	16°39	T 13
W14	19 26 25	21°10'22	28° 4	12°27	7°57	6° 2	1°10	12°11	15°43	22°46	20°23	10°44	9°29	21°26	16°41	W14
T 15	19 30 22	22° 7'36	9 ⁷ 59	14° 2	9° 3	5°49	1° 7	12°15	15°41	22°48	20°24	10°34	9°26	21°32	16°43	T 15
F 16	19 34 18	23° 4'50	22° 0	15°35	10° 9	5°36	1° 5	12°20	15°39	22°50	20°24	10°22	9°23	21°39	16°46	F 16
S 17	19 38 15	24° 2'04	4 ⁷ 10	17° 6	11°15	5°22	1° 3	12°24	15°37	22°52	20°25	10° 9	9°20	21°46	16°48	S 17
S 18	19 42 11	24°59'19	16°28	18°36	12°21	5° 8	1° 1	12°28	15°36	22°54	20°25	9°57	9°16	21°52	16°50	S 18
M19	19 46 8	25°56'34	28°56	20° 3	13°27	4°54	0°59	12°32	15°34	22°56	20°26	9°46	9°13	21°59	16°52	M19
T 20	19 50 5	26°53'50	11 ⁷ 35	21°28	14°34	4°39	0°57	12°35	15°32	22°58	20°27	9°37	9°10	22° 6	16°54	T 20
W21	19 54 1	27°51'07	24°26	22°52	15°40	4°24	0°56	12°39	15°31	23° 0	20°27	9°30	9° 7	22°12	16°56	W21
T 22	19 57 58	28°48'25	7 ⁷ 30	24°13	16°47	4° 8	0°54	12°43	15°29	23° 2	20°28	9°27	9° 4	22°19	16°58	T 22
F 23	20 1 54	29°45'44	20°50	25°32	17°54	3°53	0°53	12°46	15°27	23° 4	20°29	9°25	9° 1	22°26	17° 0	F 23
S 24	20 5 51	0 ^{II} 43'04	4 ⁸ 27	26°49	19° 2	3°37	0°52	12°50	15°26	23° 6	20°29	9°25	8°57	22°32	17° 2	S 24
S 25	20 9 47	1°40'25	18°24	28° 4	20° 9	3°20	0°51	12°53	15°25	23° 7	20°30	9°25	8°54	22°39	17° 3	S 25
M26	20 13 44	2°37'47	2 ^{II} 41	29°16	21°16	3° 4	0°51	12°56	15°23	23° 9	20°31	9°24	8°51	22°46	17° 5	M26
T 27	20 17 40	3°35'10	17°16	0 ^{II} 26	22°24	2°48	0°50	12°59	15°22	23°11	20°32	9°20	8°48	22°53	17° 7	T 27
W28	20 21 37	4°32'35	2 ^{II} 4	1°34	23°32	2°32	0°50	13° 3	15°20	23°13	20°33	9°14	8°45	22°59	17° 8	W28
T 29	20 25 34	5°30'00	17° 1	2°39	24°40	2°15	0°D50	13° 5	15°19	23°15	20°34	9° 5	8°42	23° 6	17°10	T 29
F 30	20 29 30	6°27'26	1 ^{II} 57	3°42	25°48	1°59	0°50	13° 8	15°18	23°16	20°35	8°55	8°38	23°13	17°11	F 30
S 31	20 33 27	7 ^{II} 24'53	16 ^{II} 42	4 ^{II} 42	26 ^{II} 56	1 ⁷ 43	0 ⁷ 51	13 ⁸ 11	15 ⁷ 17	23 ^{II} 18	20 ^{II} 36	8 ^{ML} 43	8 ^{ML} 35	23 ⁷ 19	17 ⁸ 13	S 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n11	18n57	4s16	23n58	1n51	16n 1	2s52	23s20	5s10	19s50	0n46	13n 1	2s18	22s49	0s 4	21n59	1s16	8n 0	17n12	15s21	14s53	19s48	14n54	1s52
F 2	23 7	16 40	4 50	23 41	1 52	16 17	2 51	23 25	5 15	19 50	0 46	13 2	2 18	22 49	0 4	21 59	1 16	7 59	17 12	15 18	14 52	19 48	14 54	1 52
S 3	23 2	13 18	5 5	23 23	1 53	16 33	2 51	23 30	5 19	19 49	0 45	13 4	2 18	22 49	0 4	21 59	1 16	7 58	17 11	15 15	14 51	19 48	14 55	1 52
S 4	22 58	9 12	4 59	23 2	1 52	16 48	2 50	23 36	5 24	19 48	0 45	13 5	2 18	22 48	0 4	21 59	1 16	7 58	17 10	15 13	14 50	19 48	14 56	1 52
M 5	22 52	4 44	4 35	22 40	1 51	17 3	2 48	23 42	5 28	19 47	0 45	13 6	2 18	22 48	0 4	21 59	1 16	7 57	17 10	15 11	14 49	19 47	14 56	1 53
T 6	22 47	0 10	3 56	22 16	1 50	17 18	2 47	23 48	5 32	19 47	0 45	13 8	2 19	22 48	0 4	21 59	1 16	7 57	17 9	15 9	14 48	19 47	14 57	1 53
W 7	22 41	4s16	3 6	21 50	1 48	17 33	2 46	23 54	5 36	19 46	0 45	13 9	2 19	22 48	0 4	21 59	1 16	7 56	17 9	15 9	14 47	19 47	14 57	1 53
T 8	22 35	8 22	2 8	21 23	1 45	17 48	2 44	24 0	5 40	19 46	0 44	13 10	2 19	22 47	0 4	21 59	1 16	7 56	17 8	15 8	14 46	19 47	14 58	1 53
F 9	22 28	12 1	1 6	20 55	1 42	18 2	2 43	24 6	5 44	19 45	0 44	13 11	2 19	22 47	0 4	22 0	1 16	7 55	17 8	15 9	14 45	19 47	14 59	1 53
S 10	22 21	15 4	0 2	20 26	1 38	18 16	2 41	24 12	5 48	19 45	0 44	13 13	2 19	22 47	0 4	22 0	1 16	7 54	17 7	15 9	14 44	19 46	14 59	1 54
S 11	22 13	17 27	1n 1	19 56	1 33	18 29	2 40	24 19	5 52	19 44	0 44	13 14	2 20	22 47	0 4	22 0	1 16	7 54	17 6	15 8	14 43	19 46	15 0	1 54
M12	22 5	19 4	2 1	19 24	1 28	18 42	2 38	24 25	5 55	19 44	0 43	13 15	2 20	22 47	0 4	22 0	1 16	7 53	17 6	15 8	14 42	19 46	15 0	1 54
T 13	21 57	19 51	2 56	18 52	1 23	18 55	2 36	24 32	5 59	19 43	0 43	13 16	2 20	22 47	0 4	22 0	1 16	7 52	17 5	15 6	14 41	19 46	15 1	1 54
W14	21 48	19 45	3 43	18 19	1 17	19 8	2 34	24 38	6 2	19 43	0 43	13 17	2 20	22 46	0 4	22 0	1 17	7 52	17 5	15 4	14 40	19 45	15 1	1 54
T 15	21 39	18 46	4 20	17 46	1 11	19 20	2 32	24 45	6 6	19 43	0 43	13 18	2 20	22 46	0 4	22 0	1 17	7 51	17 4	15 1	14 39	19 45	15 2	1 55
F 16	21 30	16 58	4 46	17 12	1 4	19 32	2 30	24 51	6 9	19 43	0 43	13 19	2 21	22 46	0 4	22 0	1 17	7 50	17 4	14 57	14 38	19 45	15 2	1 55
S 17	21 20	14 23	5 0	16 38	0 57	19 43	2 27	24 57	6 12	19 42	0 42	13 21	2 21	22 46	0 4	22 0	1 17	7 49	17 3	14 53	14 37	19 45	15 2	1 55
S 18	21 10	11 10	4 59	16 3	0 49	19 54	2 25	25 4	6 15	19 42	0 42	13 22	2 21	22 46	0 4	22 0	1 17	7 49	17 2	14 49	14 36	19 44	15 3	1 55
M19	20 59	7 24	4 45	15 28	0 41	20 5	2 23	25 10	6 18	19 42	0 42	13 22	2 21	22 45	0 4	22 1	1 17	7 48	17 2	14 45	14 35	19 44	15 3	1 55
T 20	20 48	3 17	4 16	14 53	0 32	20 15	2 20	25 16	6 20	19 42	0 42	13 23	2 21	22 45	0 4	22 1	1 17	7 47	17 1	14 43	14 34	19 44	15 4	1 56
W21	20 37	1n 4	3 34	14 17	0 24	20 25	2 18	25 23	6 23	19 42	0 41	13 24	2 22	22 45	0 4	22 1	1 17	7 46	17 1	14 41	14 33	19 44	15 4	1 56
T 22	20 26	5 26	2 40	13 42	0 15	20 34	2 15	25 29	6 25	19 42	0 41	13 25	2 22	22 45	0 4	22 1	1 17	7 46	17 0	14 39	14 32	19 43	15 4	1 56
F 23	20 14	9 38	1 37	13 7	0 5	20 43	2 13	25 35	6 27	19 42	0 41	13 26	2 22	22 45	0 4	22 1	1 17	7 45	17 0	14 39	14 31	19 43	15 5	1 56
S 24	20 1	13 26	0 26	12 31	0s 4	20 51	2 10	25 40	6 29	19 42	0 41	13 27	2 22	22 45	0 4	22 1	1 17	7 44	16 59	14 39	14 30	19 43	15 5	1 56
S 25	19 49	16 34	0s47	11 56	0 14	20 59	2 7	25 46	6 31	19 42	0 41	13 28	2 23	22 44	0 4	22 1	1 17	7 43	16 58	14 39	14 29	19 43	15 5	1 57
M26	19 36	18 46	2 0	11 22	0 25	21 7	2 4	25 51	6 33	19 42	0 40	13 28	2 23	22 44	0 4	22 1	1 17	7 42	16 58	14 39	14 28	19 42	15 5	1 57
T 27	19 23	19 47	3 6	10 47	0 35	21 14	2 2	25 57	6 34	19 42	0 40	13 29	2 23	22 44	0 4	22 1	1 17	7 42	16 57	14 37	14 27	19 42	15 6	1 57
W28	19 9	19 27	4 0	10 13	0 46	21 20	1 59	26 2	6 35	19 42	0 40	13 30	2 23	22 44	0 4	22 1	1 17	7 41	16 57	14 35	14 26	19 42	15 6	1 57
T 29	18 55	17 46	4 39	9 40	0 57	21 26	1 56	26 7	6 36	19 42	0 40	13 31	2 23	22 44	0 4	22 1	1 17	7 40	16 56	14 33	14 25	19 41	15 6	1 57
F 30	18 41	14 54	4 58	9 7	1 8	21 32	1 53	26 11	6 37	19 43	0 39	13 31	2 24	22 44	0 4	22 1	1 17	7 39	16 56	14 29	14 24	19 41	15 6	1 58
S 31	18n27	11n 7	4s58	8n34	1s19	21n36	1s50	26s16	6s38	19s43	0n39	13n32	2s24	22s44	0s 4	22n 1	1s17	7n38	16n55	14s26	14s23	19s41	15n 7	1s58

ASTRODIENST EPHEMERIS for the year 1734

geocentric

AUGUST 1734

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 37 23	8♂22'21	1♂ 9	5♂39	28♂ 4	1°R27	0♂51	13♂14	15°R16	23♂20	20♂37	8°R33	8♂32	23♂26	17♂14	S 1
M 2	20 41 20	9°19'50	15°12	6°34	29°12	1♂11	0°52	13°16	15♂14	23°21	20°38	8♂24	8°29	23°33	17°15	M 2
T 3	20 45 16	10°17'20	28°47	7°25	0♂21	0°56	0°53	13°19	15°13	23°23	20°39	8°17	8°26	23°39	17°17	T 3
W 4	20 49 13	11°14'50	11♂55	8°13	1°29	0°41	0°54	13°21	15°12	23°25	20°40	8°13	8°22	23°46	17°18	W 4
T 5	20 53 9	12°12'22	24°38	8°57	2°38	0°26	0°55	13°24	15°11	23°26	20°41	8°11	8°19	23°53	17°19	T 5
F 6	20 57 6	13° 9'54	7♂ 0	9°38	3°47	0°12	0°56	13°26	15°10	23°28	20°42	8°11	8°16	23°59	17°20	F 6
S 7	21 1 3	14° 7'27	19° 5	10°15	4°56	29♂58	0°58	13°28	15°10	23°30	20°44	8°11	8°13	24° 6	17°21	S 7
S 8	21 4 59	15° 5'01	1♂ 1	10°48	6° 5	29°44	1° 0	13°30	15° 9	23°31	20°45	8°10	8°10	24°13	17°22	S 8
M 9	21 8 56	16° 2'36	12°51	11°18	7°14	29°32	1° 2	13°32	15° 8	23°33	20°46	8° 7	8° 7	24°19	17°23	M 9
T 10	21 12 52	17° 0'12	24°41	11°42	8°23	29°19	1° 4	13°34	15° 7	23°34	20°47	8° 3	8° 3	24°26	17°24	T 10
W11	21 16 49	17°57'49	6♂34	12° 2	9°33	29° 7	1° 6	13°35	15° 6	23°36	20°49	7°55	8° 0	24°33	17°25	W11
T 12	21 20 45	18°55'27	18°35	12°17	10°42	28°56	1° 9	13°37	15° 6	23°37	20°50	7°45	7°57	24°40	17°25	T 12
F 13	21 24 42	19°53'06	0♂45	12°27	11°52	28°46	1°12	13°38	15° 5	23°38	20°52	7°33	7°54	24°46	17°26	F 13
S 14	21 28 38	20°50'46	13° 7	12°R32	13° 2	28°36	1°14	13°40	15° 5	23°40	20°53	7°20	7°51	24°53	17°26	S 14
S 15	21 32 35	21°48'28	25°40	12°32	14°12	28°27	1°17	13°41	15° 4	23°41	20°54	7° 8	7°47	25° 0	17°27	S 15
M16	21 36 32	22°46'11	8♂25	12°26	15°21	28°18	1°21	13°42	15° 4	23°43	20°56	6°56	7°44	25° 6	17°27	M16
T 17	21 40 28	23°43'55	21°22	12°14	16°32	28°10	1°24	13°43	15° 3	23°44	20°57	6°47	7°41	25°13	17°28	T 17
W18	21 44 25	24°41'41	4♂30	11°56	17°42	28° 3	1°28	13°44	15° 3	23°45	20°59	6°41	7°38	25°20	17°28	W18
T 19	21 48 21	25°39'29	17°49	11°33	18°52	27°57	1°31	13°45	15° 3	23°46	21° 0	6°37	7°35	25°26	17°28	T 19
F 20	21 52 18	26°37'18	1♂19	11° 3	20° 2	27°51	1°35	13°46	15° 2	23°48	21° 2	6°D36	7°32	25°33	17°29	F 20
S 21	21 56 14	27°35'09	15° 1	10°29	21°13	27°47	1°39	13°46	15° 2	23°49	21° 4	6°36	7°28	25°40	17°29	S 21
S 22	22 0 11	28°33'02	28°56	9°49	22°23	27°43	1°44	13°47	15° 2	23°50	21° 5	6°R36	7°25	25°46	17°29	S 22
M23	22 4 7	29°30'57	13♂ 3	9° 4	23°34	27°39	1°48	13°47	15° 2	23°51	21° 7	6°36	7°22	25°53	17°R29	M23
T 24	22 8 4	0♂28'54	27°22	8°16	24°45	27°37	1°52	13°48	15°D 2	23°52	21° 9	6°33	7°19	26° 0	17°29	T 24
W25	22 12 1	1°26'52	11♂50	7°24	25°56	27°35	1°57	13°48	15° 2	23°53	21°10	6°28	7°16	26° 6	17°29	W25
T 26	22 15 57	2°24'52	26°23	6°29	27° 7	27°D35	2° 2	13°R48	15° 2	23°55	21°12	6°21	7°13	26°13	17°29	T 26
F 27	22 19 54	3°22'55	10♂55	5°33	28°18	27°35	2° 7	13°48	15° 2	23°56	21°14	6°11	7° 9	26°20	17°28	F 27
S 28	22 23 50	4°20'58	25°20	4°37	29°29	27°35	2°12	13°48	15° 2	23°57	21°16	6° 2	7° 6	26°27	17°28	S 28
S 29	22 27 47	5°19'04	9♂30	3°41	0♂40	27°37	2°18	13°48	15° 2	23°58	21°17	5°52	7° 3	26°33	17°28	S 29
M30	22 31 43	6°17'11	23°21	2°47	1°51	27°40	2°23	13°47	15° 3	23°58	21°19	5°44	7° 0	26°40	17°27	M30
T 31	22 35 40	7♂15'20	6♂49	1♂57	3♂ 3	27♂43	2♂29	13♂47	15♂ 3	23♂59	21♂21	5♂39	6♂57	26♂47	17♂27	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	18n12	6n45	4s38	8n 3	1s30	21n41	1s47	26s20	6s38	19s43	0n39	13n32	2s24	22s44	0s 4	22n 1
M 2	17 57	2 8	4 1	7 32	1 42	21 45	1 44	26 24	6 39	19 44	0 39	13 33	2 24	22 43	0 4	22 2
T 3	17 41	2s27	3 12	7 3	1 53	21 48	1 40	26 27	6 39	19 44	0 39	13 34	2 25	22 43	0 4	22 2
W 4	17 26	6 47	2 14	6 34	2 5	21 51	1 37	26 31	6 39	19 44	0 38	13 34	2 25	22 43	0 4	22 2
T 5	17 10	10 39	1 11	6 7	2 17	21 53	1 34	26 34	6 38	19 45	0 38	13 34	2 25	22 43	0 4	22 2
F 6	16 53	13 58	0 6	5 41	2 28	21 54	1 31	26 36	6 38	19 45	0 38	13 35	2 25	22 43	0 4	22 2
S 7	16 37	16 36	0n58	5 16	2 40	21 55	1 27	26 39	6 37	19 46	0 38	13 35	2 25	22 43	0 4	22 2
S 8	16 20	18 28	1 58	4 53	2 51	21 56	1 24	26 41	6 36	19 47	0 37	13 36	2 26	22 43	0 4	22 2
M 9	16 3	19 31	2 53	4 32	3 2	21 56	1 21	26 43	6 35	19 47	0 37	13 36	2 26	22 43	0 4	22 2
T 10	15 46	19 42	3 40	4 12	3 14	21 55	1 17	26 44	6 34	19 48	0 37	13 36	2 26	22 43	0 4	22 2
W11	15 28	19 1	4 18	3 54	3 24	21 54	1 14	26 45	6 33	19 49	0 37	13 37	2 26	22 43	0 4	22 2
T 12	15 10	17 29	4 44	3 39	3 35	21 52	1 11	26 46	6 31	19 49	0 37	13 37	2 27	22 43	0 4	22 2
F 13	14 52	15 9	4 59	3 26	3 45	21 49	1 7	26 47	6 29	19 50	0 36	13 37	2 27	22 42	0 4	22 2
S 14	14 34	12 7	4 59	3 15	3 54	21 46	1 4	26 47	6 28	19 51	0 36	13 37	2 27	22 42	0 4	22 2
S 15	14 15	8 30	4 46	3 7	4 3	21 43	1 0	26 47	6 26	19 52	0 36	13 37	2 27	22 42	0 4	22 2
M16	13 57	4 27	4 17	3 2	4 11	21 39	0 57	26 47	6 24	19 53	0 36	13 37	2 28	22 42	0 4	22 2
T 17	13 38	0 8	3 35	3 0	4 18	21 34	0 54	26 47	6 21	19 53	0 35	13 38	2 28	22 42	0 4	22 2
W18	13 18	4n16	2 42	3 1	4 24	21 28	0 50	26 46	6 19	19 54	0 35	13 38	2 28	22 42	0 4	22 2
T 19	12 59	8 30	1 38	3 5	4 29	21 22	0 47	26 45	6 17	19 55	0 35	13 38	2 28	22 42	0 4	22 2
F 20	12 39	12 23	0 28	3 13	4 33	21 16	0 43	26 43	6 14	19 56	0 35	13 38	2 29	22 42	0 4	22 2
S 21	12 20	15 39	0s45	3 24	4 36	21 8	0 40	26 42	6 11	19 57	0 35	13 38	2 29	22 42	0 4	22 2
S 22	12 0	18 4	1 56	3 38	4 36	21 1	0 36	26 40	6 9	19 58	0 34	13 38	2 29	22 42	0 4	22 2
M23	11 39	19 24	3 1	3 55	4 35	20 52	0 33	26 38	6 6	19 59	0 34	13 37	2 29	22 42	0 4	22 2
T 24	11 19	19 31	3 56	4 16	4 32	20 43	0 30	26 35	6 3	20 1	0 34	13 37	2 30	22 42	0 4	22 2
W25	10 58	18 21	4 36	4 40	4 28	20 34	0 26	26 33	6 0	20 2	0 34	13 37	2 30	22 42	0 4	22 2
T 26	10 38	16 0	4 59	5 6	4 21	20 23	0 23	26 30	5 57	20 3	0 34	13 37	2 30	22 42	0 4	22 2
F 27	10 17	12 40	5 3	5 34	4 13	20 13	0 20	26 27	5 53	20 4	0 33	13 37	2 30	22 42	0 4	22 2
S 28	9 56	8 35	4 47	6 4	4 2	20 1	0 16	26 23	5 50	20 5	0 33	13 36	2 30	22 42	0 4	22 2
S 29	9 34	4 6	4 13	6 36	3 50	19 50	0 13	26 20	5 47	20 7	0 33	13 36	2 31	22 42	0 4	22 2
M30	9 13	0s30	3 26	7 8	3 36	19 37	0 10	26 16	5 43	20 8	0 33	13 36	2 31	22 42	0 4	22 2
T 31	8n51	4s58	2s28	7n40	3s21	19n24	0s 6	26s12	5s40	20s 9	0n33	13n35	2s31	22s42	0s 4	22n 2

Julian Day Number = 2354602.5, Delta T = 12.02 sec
 Ecliptic obliquity = 23°28'18", Nutation = 0°00'12", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 21°02'06", Lahiri = 20°09'06"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1734
geocentric

SEPTEMBER 1734

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	22 39 36	8 ^m 13'30	19 ^h 54	1 ^h R11	4 ^h L14	27 ^h 47	2 ^h 35	13 ^h R46	15 ^h 3	24 ^h II 0	21 ^h 23	5 ^h R35	6 ^h L53	26 ^h 53	17 ^h R26	W 1
T 2	22 43 33	9 ^m 11'42	2 ^h L36	0 ^h m30	5 ^h 26	27 ^h 52	2 ^h 41	13 ^h 46	15 ^h 4	24 ^h 1	21 ^h 25	5 ^h D34	6 ^h 50	27 ^h 0	17 ^h 26	T 2
F 3	22 47 29	10 ^m 9'55	14 ^h 59	29 ^h L56	6 ^h 37	27 ^h 58	2 ^h 47	13 ^h 45	15 ^h 4	24 ^h 2	21 ^h 27	5 ^h L34	6 ^h 47	27 ^h 7	17 ^h 25	F 3
S 4	22 51 26	11 ^m 8'10	27 ^h 6	29 ^h 30	7 ^h 49	28 ^h 0	2 ^h 53	13 ^h 44	15 ^h 5	24 ^h 3	21 ^h 29	5 ^h 35	6 ^h 44	27 ^h 13	17 ^h 24	S 4
S 5	22 55 23	12 ^m 6'27	9 ^h 3	29 ^h 11	9 ^h 1	28 ^h 12	3 ^h 0	13 ^h 43	15 ^h 5	24 ^h 3	21 ^h 31	5 ^h R36	6 ^h 41	27 ^h 20	17 ^h 24	S 5
M 6	22 59 19	13 ^m 4'45	20 ^h 54	29 ^h 1	10 ^h 13	28 ^h 20	3 ^h 6	13 ^h 42	15 ^h 6	24 ^h 4	21 ^h 33	5 ^h 36	6 ^h 38	27 ^h 27	17 ^h 23	M 6
T 7	23 3 16	14 ^m 3'04	2 ^h 345	29 ^h D 0	11 ^h 24	28 ^h 29	3 ^h 13	13 ^h 41	15 ^h 7	24 ^h 5	21 ^h 35	5 ^h 34	6 ^h 34	27 ^h 33	17 ^h 22	T 7
W 8	23 7 12	15 ^m 1'26	14 ^h 41	29 ^h 8	12 ^h 36	28 ^h 38	3 ^h 20	13 ^h 40	15 ^h 7	24 ^h 6	21 ^h 37	5 ^h 29	6 ^h 31	27 ^h 40	17 ^h 21	W 8
T 9	23 11 9	15 ^m 59'48	26 ^h 46	29 ^h 25	13 ^h 49	28 ^h 49	3 ^h 27	13 ^h 38	15 ^h 8	24 ^h 6	21 ^h 39	5 ^h 23	6 ^h 28	27 ^h 47	17 ^h 20	T 9
F 10	23 15 5	16 ^m 58'13	9 ^h 3	29 ^h 51	15 ^h 1	29 ^h 0	3 ^h 34	13 ^h 37	15 ^h 9	24 ^h 7	21 ^h 41	5 ^h 16	6 ^h 25	27 ^h 53	17 ^h 19	F 10
S 11	23 19 2	17 ^m 56'39	21 ^h 35	0 ^h m26	16 ^h 13	29 ^h 12	3 ^h 41	13 ^h 35	15 ^h 10	24 ^h 7	21 ^h 43	5 ^h 7	6 ^h 22	28 ^h 0	17 ^h 18	S 11
S 12	23 22 58	18 ^m 55'07	4 ^h 22	1 ^h 10	17 ^h 25	29 ^h 25	3 ^h 49	13 ^h 33	15 ^h 11	24 ^h 8	21 ^h 45	4 ^h 59	6 ^h 19	28 ^h 7	17 ^h 16	S 12
M13	23 26 55	19 ^m 53'36	17 ^h 26	2 ^h 2	18 ^h 38	29 ^h 38	3 ^h 56	13 ^h 32	15 ^h 12	24 ^h 8	21 ^h 47	4 ^h 52	6 ^h 15	28 ^h 14	17 ^h 15	M13
T14	23 30 52	20 ^m 52'08	0 ^h Y44	3 ^h 1	19 ^h 50	29 ^h 52	4 ^h 0	13 ^h 30	15 ^h 13	24 ^h 9	21 ^h 49	4 ^h 46	6 ^h 12	28 ^h 20	17 ^h 14	T14
W15	23 34 48	21 ^m 50'42	14 ^h 15	4 ^h 8	21 ^h 3	0 ^h 3	4 ^h 12	13 ^h 28	15 ^h 14	24 ^h 9	21 ^h 51	4 ^h 42	6 ^h 9	28 ^h 27	17 ^h 12	W15
T16	23 38 45	22 ^m 49'17	27 ^h 57	5 ^h 21	22 ^h 15	0 ^h 22	4 ^h 20	13 ^h 26	15 ^h 15	24 ^h 10	21 ^h 53	4 ^h 40	6 ^h 6	28 ^h 34	17 ^h 11	T16
F17	23 42 41	23 ^m 47'55	11 ^h 849	6 ^h 40	23 ^h 28	0 ^h 38	4 ^h 28	13 ^h 23	15 ^h 16	24 ^h 10	21 ^h 56	4 ^h D40	6 ^h 3	28 ^h 40	17 ^h 10	F17
S18	23 46 38	24 ^m 46'35	25 ^h 48	8 ^h 4	24 ^h 41	0 ^h 54	4 ^h 36	13 ^h 21	15 ^h 17	24 ^h 10	21 ^h 58	4 ^h 41	5 ^h 59	28 ^h 47	17 ^h 8	S18
S19	23 50 34	25 ^m 45'17	9 ^h II52	9 ^h 33	25 ^h 54	1 ^h 11	4 ^h 44	13 ^h 19	15 ^h 19	24 ^h 11	22 ^h 0	4 ^h 43	5 ^h 56	28 ^h 54	17 ^h 6	S19
M20	23 54 31	26 ^m 44'02	24 ^h 0	11 ^h 6	27 ^h 7	1 ^h 29	4 ^h 53	13 ^h 16	15 ^h 20	24 ^h 11	22 ^h 2	4 ^h R43	5 ^h 53	29 ^h 0	17 ^h 5	M20
T21	23 58 27	27 ^m 42'49	8 ^h 311	12 ^h 42	28 ^h 20	1 ^h 47	5 ^h 1	13 ^h 14	15 ^h 21	24 ^h 11	22 ^h 4	4 ^h 43	5 ^h 50	29 ^h 7	17 ^h 3	T21
W22	0 2 24	28 ^m 41'38	22 ^h 23	14 ^h 21	29 ^h 33	2 ^h 6	5 ^h 10	13 ^h 11	15 ^h 23	24 ^h 11	22 ^h 7	4 ^h 41	5 ^h 47	29 ^h 14	17 ^h 1	W22
T23	0 6 21	29 ^m 40'30	6 ^h L33	16 ^h 3	0 ^h m46	2 ^h 26	5 ^h 19	13 ^h 8	15 ^h 24	24 ^h 12	22 ^h 9	4 ^h 38	5 ^h 44	29 ^h 21	16 ^h 59	T23
F24	0 10 17	0 ^h 39'23	20 ^h 39	17 ^h 47	1 ^h 59	2 ^h 46	5 ^h 28	13 ^h 6	15 ^h 26	24 ^h 12	22 ^h 11	4 ^h 33	5 ^h 40	29 ^h 27	16 ^h 58	F24
S25	0 14 14	1 ^h 38'19	4 ^h m35	19 ^h 32	3 ^h 12	3 ^h 6	5 ^h 37	13 ^h 3	15 ^h 27	24 ^h 12	22 ^h 14	4 ^h 28	5 ^h 37	29 ^h 34	16 ^h 56	S25
S26	0 18 10	2 ^h 37'17	18 ^h 20	21 ^h 18	4 ^h 26	3 ^h 28	5 ^h 46	13 ^h 0	15 ^h 29	24 ^h 12	22 ^h 16	4 ^h 23	5 ^h 34	29 ^h 41	16 ^h 54	S26
M27	0 22 7	3 ^h 36'17	1 ^h 49	23 ^h 5	5 ^h 39	3 ^h 49	5 ^h 55	12 ^h 56	15 ^h 30	24 ^h R12	22 ^h 18	4 ^h 18	5 ^h 31	29 ^h 47	16 ^h 52	M27
T28	0 26 3	4 ^h 35'20	15 ^h 1	24 ^h 52	6 ^h 52	4 ^h 12	6 ^h 5	12 ^h 53	15 ^h 32	24 ^h 12	22 ^h 20	4 ^h 15	5 ^h 28	29 ^h 54	16 ^h 50	T28
W29	0 30 0	5 ^h 34'24	27 ^h 55	26 ^h 40	8 ^h 6	4 ^h 34	6 ^h 14	12 ^h 50	15 ^h 34	24 ^h 12	22 ^h 23	4 ^h 14	5 ^h 24	0 ^h 3	16 ^h 47	W29
T30	0 33 56	6 ^h 33'30	10 ^h L31	28 ^h m28	9 ^h m19	4 ^h 58	6 ^h 24	12 ^h 47	15 ^h 36	24 ^h II12	22 ^h 25	4 ^h D14	5 ^h L21	0 ^h 3	16 ^h 45	T30

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	8n30	9s 4	1s23	8n12	3s 4	19n11	0s 3	26s 8	5s37	20s10	0n32	13n35	2s31	22s42	0s 4	22n 2	1s18	7n 7	16n40	13s24	13s50	19s29	15n 4	2s 5	
T 2	8 8	12 38	0 16	8 43	2 46	18 56	0n 0	26 3	5 33	20 12	0 32	13 35	2 32	22 42	0 4	22 3	1 18	7 6	16 40	13 24	13 49	19 29	15 3	2 5	
F 3	7 46	15 33	0n50	9 12	2 28	18 42	0 3	25 58	5 29	20 13	0 32	13 34	2 32	22 42	0 4	22 3	1 18	7 5	16 39	13 24	13 48	19 29	15 3	2 5	
S 4	7 24	17 42	1 53	9 39	2 9	18 27	0 6	25 54	5 26	20 15	0 32	13 34	2 32	22 43	0 4	22 3	1 18	7 4	16 39	13 24	13 47	19 28	15 2	2 6	
S 5	7 2	19 2	2 50	10 4	1 50	18 11	0 10	25 48	5 22	20 16	0 32	13 33	2 32	22 43	0 4	22 3	1 18	7 3	16 39	13 24	13 46	19 28	15 2	2 6	
M 6	6 39	19 31	3 39	10 25	1 30	17 55	0 13	25 43	5 19	20 18	0 31	13 33	2 33	22 43	0 4	22 2	1 18	7 2	16 38	13 24	13 45	19 27	15 2	2 6	
T 7	6 17	19 8	4 19	10 43	1 11	17 38	0 16	25 38	5 15	20 19	0 31	13 32	2 33	22 43	0 4	22 2	1 18	7 1	16 38	13 24	13 44	19 27	15 1	2 6	
W 8	5 54	17 54	4 48	10 58	0 53	17 21	0 19	25 32	5 11	20 20	0 31	13 32	2 33	22 43	0 4	22 2	1 18	7 0	16 38	13 22	13 43	19 26	15 1	2 7	
T 9	5 32	15 51	5 4	11 9	0 35	17 3	0 22	25 26	5 8	20 22	0 31	13 31	2 33	22 43	0 4	22 2	1 18	6 59	16 37	13 20	13 42	19 26	15 0	2 7	
F 10	5 9	13 5	5 7	11 16	0 17	16 45	0 25	25 20	5 4	20 24	0 31	13 30	2 33	22 43	0 4	22 2	1 18	6 58	16 37	13 18	13 41	19 26	15 0	2 7	
S 11	4 46	9 40	4 55	11 19	0 1	16 26	0 28	25 14	5 0	20 25	0 31	13 30	2 34	22 43	0 4	22 2	1 18	6 57	16 37	13 15	13 40	19 25	14 59	2 7	
S 12	4 23	5 45	4 28	11 18	0n15	16 7	0 30	25 8	4 56	20 27	0 30	13 29	2 34	22 43	0 4	22 2	1 18	6 56	16 36	13 12	13 38	19 25	14 59	2 7	
M13	4 0	1 29	3 47	11 13	0 29	15 47	0 33	25 1	4 53	20 28	0 30	13 28	2 34	22 43	0 4	22 2	1 18	6 55	16 36	13 10	13 37	19 24	14 58	2 8	
T14	3 37	2n56	2 53	11 4	0 43	15 27	0 36	24 55	4 49	20 30	0 30	13 27	2 34	22 43	0 4	22 2	1 18	6 54	16 36	13 8	13 36	19 24	14 57	2 8	
W15	3 14	7 18	1 48	10 51	0 55	15 7	0 39	24 48	4 45	20 31	0 30	13 27	2 34	22 44	0 4	22 2	1 18	6 53	16 35	13 6	13 35	19 23	14 57	2 8	
T16	2 51	11 20	0 36	10 35	1 6	14 46	0 41	24 41	4 42	20 33	0 30	13 26	2 35	22 44	0 4	22 2	1 18	6 52	16 35	13 6	13 34	19 23	14 56	2 8	
F17	2 28	14 47	0s39	10 15	1 15	14 24	0 44	24 34	4 38	20 35	0 29	13 25	2 35	22 44	0 4	22 2	1 18	6 51	16 35	13 6	13 33	19 22	14 56	2 8	
S18	2 5	17 25	1 52	9 51	1 24	14 2	0 46	24 27	4 34	20 36	0 29	13 24	2 35	22 44	0 5	22 2	1 18	6 50	16 35	13 6	13 32	19 22	14 55	2 9	
S19	1 41	19 0	3 0	9 24	1 31	13 40	0 49	24 19	4 31	20 38	0 29	13 23	2 35	22 44	0 5	22 2	1 18	6 49	16 34	13 7	13 31	19 21	14 54	2 9	
M20	1 18	19 24	3 56	8 55	1 37	13 18	0 51	24 11	4 27	20 40	0 29	13 22	2 35	22 44	0 5	22 2	1 18	6 48	16 34	13 7	13 30	19 21	14 54	2 9	
T21	0 55	18 35	4 39	8 23	1 42	12 55	0 54	24 4	4 23	20 42	0 29	13 21	2 36	22 44	0 5	22 2	1 18	6 47	16 34	13 7	13 29	19 20	14 53	2 9	
W22	0 31	16 36	5 4	7 48	1 46	12 31	0 56	23 56	4 20	20 43	0 29	13 20	2 36	22 45	0 5	22 2	1 18	6 46	16 34	13 6	13 28	19 20	14 52	2 10	
T23	0 8	13 38	5 11	7 11	1 49	12 7	0 58	23 48	4 16	20 45	0 28	13 19	2 36	22 45	0 5	22 2	1 19	6 45	16 33	13 5	13 27	19 19	14 52	2 10	
F24	0s16	9 54	4 59	6 33	1 51	11 43	1 0	23 40	4 12	20 47	0 28	13 18	2 36	22 45	0 5	22 2	1 19	6 44	16 33	13 3	13 26	19 19	14 51	2 10	
S25	0 39	5 39	4 30	5 53	1 53	11 19	1 3	23 31	4 9	20 49	0 28	13 17	2 36	22 45	0 5	22 2	1 19	6 43	16 33	13 1	13 25	19 18	14 50	2 10	
S26	1 3	1 10	3 45	5 11	1 53	10 54	1 5	23 23	4 5	20 50	0 28	13 16	2 36	22 45	0 5	22 2	1 19	6 42	16 33	13 0	13 24	19 18	14 49	2 10	
M27	1 26	3s18	2 48	4 28	1 53	10 29	1 7	23 14	4 2	20 52	0 28	13 15	2 37	22 45	0 5	22 2	1 19	6 41	16 33	12 58	13 23	19 17	14 49	2 11	
T28	1 50	7 31	1 43	3 45	1 51	10 4	1 9	23 5	3 58	20 54	0 28	13 14	2 37	22 46	0 5	22 2	1 19	6 40	16 32	12 57	13 22	19 17	14 48	2 11	
W29	2 13	11 17	0 35	3 0	1 50	9 38	1 10	22 56	3 54	20 56	0 27	13 13	2 37	22 46	0 5	22 2	1 19	6 39	16 32	12 57	13 21	19 16	14 47	2 11	
T30	2s36	14s27	0n34	2n15	1n47	9n12	1n12	22s47	3s51	20s58	0n27	13n12	2s37	22s46	0s 5	22n 2	1s19	6n38	16n32	12s57	13s19	19s16	14n46	2s11	

ASTRODIENST EPHEMERIS for the year 1734

geocentric

OCTOBER 1734

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	0 37 53	7♂32'38	22♂50	0♂16	10♂33	5♂21	6♂34	12°R43	15♂38	24°R12	22♂27	4♂15	5♂18	0♂14	16°R43	F 1
S 2	0 41 49	8°31'48	4♂57	2° 3	11°47	5°46	6°44	12♂40	15°39	24♂12	22°30	4°17	5°15	0°21	16♂41	S 2
S 3	0 45 46	9°31'00	16°54	3°51	13° 0	6°10	6°54	12°36	15°41	24°11	22°32	4°18	5°12	0°27	16°38	S 3
M 4	0 49 43	10°30'14	28°46	5°37	14°14	6°35	7° 4	12°32	15°43	24°11	22°35	4°20	5° 9	0°34	16°36	M 4
T 5	0 53 39	11°29'29	10♂37	7°24	15°28	7° 1	7°14	12°29	15°45	24°11	22°37	4°R20	5° 5	0°41	16°34	T 5
W 6	0 57 36	12°28'46	22°33	9° 9	16°42	7°27	7°24	12°25	15°47	24°11	22°39	4°20	5° 2	0°48	16°31	W 6
T 7	1 1 32	13°28'05	4♂39	10°54	17°56	7°53	7°34	12°21	15°50	24°10	22°42	4°19	4°59	0°54	16°29	T 7
F 8	1 5 29	14°27'26	16°58	12°39	19°10	8°20	7°45	12°17	15°52	24°10	22°44	4°16	4°56	1° 1	16°26	F 8
S 9	1 9 25	15°26'49	29°34	14°23	20°24	8°47	7°55	12°13	15°54	24°10	22°46	4°14	4°53	1° 8	16°24	S 9
S 10	1 13 22	16°26'13	12♂29	16° 6	21°38	9°15	8° 6	12° 9	15°56	24° 9	22°49	4°11	4°50	1°14	16°21	S 10
M 11	1 17 18	17°25'40	25°45	17°48	22°52	9°43	8°17	12° 5	15°58	24° 9	22°51	4° 8	4°46	1°21	16°18	M 11
T 12	1 21 15	18°25'08	9♂21	19°30	24° 6	10°11	8°28	12° 1	16° 1	24° 8	22°54	4° 7	4°43	1°28	16°16	T 12
W 13	1 25 12	19°24'38	23°16	21°11	25°20	10°40	8°39	11°56	16° 3	24° 8	22°56	4° 6	4°40	1°34	16°13	W 13
T 14	1 29 8	20°24'10	7♂25	22°51	26°35	11° 9	8°50	11°52	16° 5	24° 7	22°58	4°D 5	4°37	1°41	16°10	T 14
F 15	1 33 5	21°23'45	21°44	24°31	27°49	11°38	9° 1	11°48	16° 8	24° 7	23° 1	4° 6	4°34	1°48	16° 8	F 15
S 16	1 37 1	22°23'22	6♂9	26°10	29° 3	12° 8	9°12	11°43	16°10	24° 6	23° 3	4° 7	4°30	1°55	16° 5	S 16
S 17	1 40 58	23°23'01	20°35	27°49	0♂18	12°38	9°23	11°39	16°13	24° 6	23° 6	4° 8	4°27	2° 1	16° 2	S 17
M 18	1 44 54	24°22'42	4♂57	29°26	1°32	13° 8	9°34	11°34	16°15	24° 5	23° 8	4° 8	4°24	2° 8	15°59	M 18
T 19	1 48 51	25°22'26	19°13	1♂4	2°46	13°39	9°46	11°30	16°18	24° 4	23°11	4°R 9	4°21	2°15	15°56	T 19
W 20	1 52 47	26°22'11	3♂19	2°40	4° 1	14°10	9°57	11°25	16°21	24° 3	23°13	4° 9	4°18	2°21	15°53	W 20
T 21	1 56 44	27°22'00	17°15	4°16	5°16	14°41	10° 9	11°20	16°23	24° 3	23°15	4° 9	4°15	2°28	15°50	T 21
F 22	2 0 41	28°21'50	0♂59	5°52	6°30	15°13	10°21	11°16	16°26	24° 2	23°18	4° 8	4°11	2°35	15°47	F 22
S 23	2 4 37	29°21'42	14°29	7°27	7°45	15°44	10°32	11°11	16°29	24° 1	23°20	4° 7	4° 8	2°41	15°44	S 23
S 24	2 8 34	0♂21'37	27°47	9° 1	8°59	16°16	10°44	11° 6	16°32	24° 0	23°23	4° 7	4° 5	2°48	15°41	S 24
M 25	2 12 30	1°21'34	10♂51	10°35	10°14	16°49	10°56	11° 2	16°34	23°59	23°25	4° 6	4° 2	2°55	15°38	M 25
T 26	2 16 27	2°21'33	23°41	12° 9	11°29	17°21	11° 8	10°57	16°37	23°58	23°27	4° 6	3°59	3° 2	15°35	T 26
W 27	2 20 23	3°21'34	6♂18	13°42	12°44	17°54	11°20	10°52	16°40	23°58	23°30	4°D 6	3°55	3° 8	15°32	W 27
T 28	2 24 20	4°21'36	18°42	15°15	13°58	18°27	11°32	10°47	16°43	23°57	23°32	4°R 6	3°52	3°15	15°29	T 28
F 29	2 28 16	5°21'41	0♂55	16°47	15°13	19° 0	11°44	10°42	16°46	23°56	23°35	4° 6	3°49	3°22	15°26	F 29
S 30	2 32 13	6°21'47	12°58	18°18	16°28	19°34	11°56	10°38	16°49	23°55	23°37	4° 6	3°46	3°28	15°23	S 30
S 31	2 36 10	7♂21'56	24♂53	19♂50	17♂43	20♂8	12♂9	10♂33	16♂52	23♂54	23♂39	4♂6	3♂43	3♂35	15♂19	S 31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	3s 0	16s53	1n41	1n30	1n45	8n46	1n14	22s38	3s47	20s59	0n27	13n11	2s37	22s46	0s 5	22n 2	1s19	6n37	16n32	12s57	13s18	19s15	14n45	2s11			
S 2	3 23	18 31	2 41	0 44	1 41	8 19	1 16	22 28	3 44	21 1	0 27	13 10	2 37	22 46	0 5	22 2	1 19	6 36	16 32	12 58	13 17	19 15	14 45	2 11			
S 3	3 47	19 17	3 34	0s 2	1 38	7 52	1 17	22 19	3 41	21 3	0 27	13 8	2 38	22 47	0 5	22 2	1 19	6 35	16 32	12 58	13 16	19 14	14 44	2 12			
M 4	4 10	19 11	4 17	0 48	1 33	7 25	1 19	22 9	3 37	21 5	0 27	13 7	2 38	22 47	0 5	22 2	1 19	6 34	16 32	12 59	13 15	19 14	14 43	2 12			
T 5	4 33	18 15	4 49	1 35	1 29	6 58	1 20	21 59	3 34	21 7	0 26	13 6	2 38	22 47	0 5	22 2	1 19	6 33	16 31	12 59	13 14	19 13	14 42	2 12			
W 6	4 56	16 30	5 9	2 21	1 24	6 31	1 22	21 49	3 30	21 9	0 26	13 5	2 38	22 47	0 5	22 2	1 19	6 32	16 31	12 59	13 13	19 13	14 41	2 12			
T 7	5 19	14 1	5 15	3 7	1 19	6 3	1 23	21 39	3 27	21 10	0 26	13 3	2 38	22 48	0 5	22 2	1 19	6 31	16 31	12 58	13 12	19 12	14 40	2 12			
F 8	5 42	10 53	5 8	3 53	1 13	5 35	1 24	21 29	3 24	21 12	0 26	13 2	2 38	22 48	0 5	22 2	1 19	6 30	16 31	12 58	13 11	19 12	14 39	2 13			
S 9	6 5	7 11	4 45	4 38	1 8	5 7	1 25	21 19	3 21	21 14	0 26	13 1	2 38	22 48	0 5	22 2	1 19	6 29	16 31	12 57	13 10	19 11	14 39	2 13			
S 10	6 28	3 4	4 8	5 23	1 2	4 39	1 26	21 8	3 17	21 16	0 26	12 59	2 38	22 48	0 5	22 1	1 19	6 28	16 31	12 56	13 9	19 11	14 38	2 13			
M11	6 51	1n19	3 16	6 8	0 56	4 10	1 27	20 57	3 14	21 18	0 26	12 58	2 38	22 49	0 5	22 1	1 19	6 27	16 31	12 55	13 8	19 10	14 37	2 13			
T 12	7 14	5 45	2 13	6 52	0 50	3 42	1 28	20 47	3 11	21 20	0 25	12 57	2 39	22 49	0 5	22 1	1 19	6 27	16 31	12 54	13 7	19 9	14 36	2 13			
W13	7 36	9 58	1 0	7 36	0 43	3 13	1 29	20 36	3 8	21 21	0 25	12 55	2 39	22 49	0 5	22 1	1 19	6 26	16 31	12 54	13 6	19 9	14 35	2 13			
T 14	7 59	13 43	0s18	8 20	0 37	2 44	1 30	20 24	3 5	21 23	0 25	12 54	2 39	22 49	0 5	22 1	1 19	6 25	16 31	12 54	13 5	19 8	14 34	2 14			
F 15	8 21	16 41	1 36	9 3	0 30	2 16	1 31	20 13	3 1	21 25	0 25	12 52	2 39	22 50	0 5	22 1	1 19	6 24	16 31	12 54	13 4	19 8	14 33	2 14			
S 16	8 44	18 36	2 48	9 45	0 24	1 47	1 32	20 2	2 58	21 27	0 25	12 51	2 39	22 50	0 5	22 1	1 19	6 23	16 31	12 54	13 2	19 7	14 32	2 14			
S 17	9 6	19 19	3 50	10 27	0 17	1 17	1 32	19 50	2 55	21 29	0 25	12 50	2 39	22 50	0 5	22 1	1 19	6 22	16 31	12 55	13 1	19 7	14 31	2 14			
M18	9 28	18 46	4 37	11 8	0 10	0 48	1 33	19 39	2 52	21 31	0 25	12 48	2 39	22 50	0 5	22 1	1 19	6 21	16 31	12 55	13 0	19 6	14 30	2 14			
T 19	9 50	17 2	5 6	11 48	0 3	0 19	1 33	19 27	2 49	21 32	0 24	12 47	2 39	22 51	0 5	22 1	1 19	6 20	16 31	12 55	12 59	19 5	14 29	2 14			
W 20	10 11	14 18	5 17	12 28	0s 3	0s10	1 33	19 15	2 46	21 34	0 24	12 45	2 39	22 51	0 5	22 1	1 19	6 20	16 31	12 55	12 58	19 5	14 28	2 15			
T 21	10 33	10 47	5 9	13 7	0 10	0 39	1 34	19 3	2 43	21 36	0 24	12 44	2 39	22 51	0 5	22 1	1 19	6 19	16 31	12 55	12 57	19 4	14 27	2 15			
F 22	10 54	6 44	4 43	13 46	0 17	1 9	1 34	18 51	2 40	21 38	0 24	12 42	2 39	22 51	0 5	22 1	1 20	6 18	16 31	12 55	12 56	19 4	14 26	2 15			
S 23	11 16	2 24	4 2	14 23	0 24	1 38	1 34	18 39	2 38	21 40	0 24	12 41	2 39	22 52	0 5	22 1	1 20	6 17	16 31	12 55	12 55	19 3	14 25	2 15			
S 24	11 37	2s 0	3 8	15 0	0 30	2 8	1 34	18 26	2 35	21 42	0 24	12 39	2 39	22 52	0 5	22 1	1 20	6 16	16 31	12 54	12 54	19 3	14 24	2 15			
M25	11 58	6 13	2 6	15 36	0 37	2 37	1 34	18 14	2 32	21 43	0 24	12 38	2 39	22 52	0 5	22 1	1 20	6 16	16 31	12 54	12 53	19 2	14 23	2 15			
T 26	12 19	10 6	0 58	16 12	0 44	3 6	1 34	18 1	2 29	21 45	0 24	12 36	2 39	22 53	0 5	22 0	1 20	6 15	16 31	12 54	12 52	19 1	14 22	2 15			
W27	12 39	13 27	0n12	16 46	0 50	3 36	1 34	17 48	2 26	21 47	0 23	12 35	2 39	22 53	0 5	22 0	1 20	6 14	16 31	12 54	12 51	19 1	14 21	2 16			
T 28	12 59	16 8	1 20	17 20	0 57	4 5	1 34	17 35	2 23	21 49	0 23	12 33	2 39	22 53	0 5	22 0	1 20	6 13	16 31	12 54	12 50	19 0	14 20	2 16			
F 29	13 20	18 2	2 23	17 53	1 3	4 34	1 33	17 22	2 21	21 51	0 23	12 32	2 39	22 53	0 5	22 0	1 20	6 13	16 31	12 54	12 48	19 0	14 19	2 16			
S 30	13 40	19 5	3 19	18 25	1 9	5 3	1 33	17 9	2 18	21 52	0 23	12 31	2 39	22 54	0 5	22 0	1 20	6 12	16 32	12 54	12 47	18 59	14 18	2 16			
S 31	13s59	19s16	4n 6	18s56	1s15	5s32	1n33	16s56	2s15	21s54	0n23	12n29	2s39	22s54	0s 5	22n 0	1s20	6n11	16n32	12s54	12s46	18s58	14n17	2s16			

ASTRODIENST EPHEMERIS for the year 1734
geocentric

NOVEMBER 1734

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	2 40 6	8♍22°05	6♋44	21♍20	18♏58	20♏42	12♏21	10°R28	16♏55	23°R53	23♏42	4°R 5	3♍40	3♋42	15°R16	M 1
T 2	2 44 3	9°22'17	18°35	22°51	20°13	21°16	12°34	10♏23	16°58	23♏51	23°44	4♍ 5	3°36	3°49	15♏13	T 2
W 3	2 47 59	10°22'30	0♏30	24°21	21°28	21°50	12°46	10°18	17° 1	23°50	23°46	4° 4	3°33	3°55	15°10	W 3
T 4	2 51 56	11°22'44	12°32	25°50	22°43	22°25	12°59	10°13	17° 4	23°49	23°49	4°D 4	3°30	4° 2	15° 7	T 4
F 5	2 55 52	12°23'00	24°48	27°19	23°58	23° 0	13°11	10° 8	17° 7	23°48	23°51	4° 4	3°27	4° 9	15° 4	F 5
S 6	2 59 49	13°23'17	7♋21	28°48	25°13	23°35	13°24	10° 4	17°10	23°47	23°53	4° 5	3°24	4°15	15° 0	S 6
S 7	3 3 45	14°23'36	20°15	0♏16	26°28	24°10	13°36	9°59	17°14	23°46	23°56	4° 6	3°21	4°22	14°57	S 7
M 8	3 7 42	15°23'56	3♏34	1°43	27°43	24°45	13°49	9°54	17°17	23°44	23°58	4° 7	3°17	4°29	14°54	M 8
T 9	3 11 38	16°24'18	17°18	3°11	28°58	25°21	14° 2	9°49	17°20	23°43	24° 0	4° 8	3°14	4°35	14°51	T 9
W10	3 15 35	17°24'41	1♏26	4°37	0♍13	25°57	14°15	9°44	17°23	23°42	24° 2	4°R 8	3°11	4°42	14°48	W10
T 11	3 19 32	18°25'06	15°55	6° 3	1°28	26°32	14°28	9°39	17°27	23°40	24° 5	4° 8	3° 8	4°49	14°45	T 11
F 12	3 23 28	19°25'33	0♏40	7°28	2°44	27° 8	14°41	9°35	17°30	23°39	24° 7	4° 7	3° 5	4°56	14°41	F 12
S 13	3 27 25	20°26'01	15°34	8°53	3°59	27°45	14°54	9°30	17°33	23°38	24° 9	4° 5	3° 1	5° 2	14°38	S 13
S 14	3 31 21	21°26'31	0♏27	10°16	5°14	28°21	15° 7	9°25	17°37	23°36	24°11	4° 3	2°58	5° 9	14°35	S 14
M15	3 35 18	22°27'03	15°14	11°39	6°29	28°57	15°20	9°21	17°40	23°35	24°14	4° 1	2°55	5°16	14°32	M15
T 16	3 39 14	23°27'36	29°46	13° 1	7°44	29°34	15°33	9°16	17°43	23°34	24°16	3°59	2°52	5°22	14°29	T 16
W17	3 43 11	24°28'12	14♏ 0	14°22	9° 0	0♏11	15°46	9°11	17°47	23°32	24°18	3°57	2°49	5°29	14°26	W17
T 18	3 47 8	25°28'49	27°54	15°41	10°15	0°48	15°59	9° 7	17°50	23°31	24°20	3°D57	2°46	5°36	14°22	T 18
F 19	3 51 4	26°29'27	11♏27	16°59	11°30	1°24	16°12	9° 2	17°54	23°29	24°22	3°58	2°42	5°43	14°19	F 19
S 20	3 55 1	27°30'08	24°42	18°15	12°46	2° 2	16°26	8°58	17°57	23°28	24°24	3°59	2°39	5°49	14°16	S 20
S 21	3 58 57	28°30'50	7♏39	19°30	14° 1	2°39	16°39	8°53	18° 1	23°26	24°26	4° 1	2°36	5°56	14°13	S 21
M22	4 2 54	29°31'34	20°22	20°42	15°16	3°16	16°52	8°49	18° 4	23°25	24°28	4° 2	2°33	6° 3	14°10	M22
T 23	4 6 50	0♏32°19	21♏52	21°52	16°32	3°54	17° 5	8°44	18° 8	23°23	24°31	4°R 3	2°30	6° 9	14° 7	T 23
W24	4 10 47	1°33'06	15°11	22°59	17°47	4°31	17°19	8°40	18°11	23°22	24°33	4° 2	2°27	6°16	14° 4	W24
T 25	4 14 43	2°33'54	27°22	24° 3	19° 2	5° 9	17°32	8°36	18°15	23°20	24°35	4° 0	2°23	6°23	14° 1	T 25
F 26	4 18 40	3°34'43	9♏25	25° 3	20°18	5°47	17°46	8°32	18°18	23°19	24°37	3°57	2°20	6°29	13°58	F 26
S 27	4 22 37	4°35'34	21°22	26° 0	21°33	6°25	17°59	8°28	18°22	23°17	24°39	3°52	2°17	6°36	13°55	S 27
S 28	4 26 33	5°36'26	3♋15	26°51	22°49	7° 3	18°13	8°24	18°25	23°15	24°41	3°46	2°14	6°43	13°52	S 28
M29	4 30 30	6°37'18	15° 6	27°37	24° 4	7°41	18°26	8°20	18°29	23°14	24°43	3°39	2°11	6°50	13°49	M29
T 30	4 34 26	7♏38°12	26♋56	28♏17	25♍20	8♏19	18♏40	8♏16	18♏33	23♏12	24♏44	3♍33	2♍ 7	6♋56	13♏46	T 30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	14s19	18s36	4n42	19s26	1s21	6s 1	1n32	16s43	2s13	21s56	0n23	12n28	2s39	22s54	0s 5	22n 0	1s20	6n10	16n32	12s54	12s45	18s58	14n16	2s16	
T 2	14 38	17 8	5 6	19 55	1 27	6 30	1 32	16 29	2 10	21 58	0 23	12 26	2 39	22 55	0 5	22 0	1 20	6 10	16 32	12 54	12 44	18 57	14 15	2 16	
W 3	14 57	14 55	5 17	20 23	1 33	6 58	1 31	16 15	2 8	21 59	0 23	12 25	2 39	22 55	0 5	22 0	1 20	6 9	16 32	12 54	12 43	18 56	14 14	2 16	
T 4	15 16	12 3	5 14	20 50	1 39	7 27	1 30	16 2	2 5	22 1	0 22	12 23	2 39	22 55	0 5	22 0	1 20	6 8	16 32	12 54	12 42	18 56	14 13	2 17	
F 5	15 34	8 36	4 57	21 16	1 44	7 55	1 30	15 48	2 2	22 3	0 22	12 22	2 39	22 56	0 5	22 0	1 20	6 8	16 32	12 54	12 41	18 55	14 12	2 17	
S 6	15 53	4 43	4 25	21 42	1 49	8 24	1 29	15 34	2 0	22 4	0 22	12 20	2 39	22 56	0 5	22 0	1 20	6 7	16 33	12 54	12 40	18 54	14 11	2 17	
S 7	16 11	0 30	3 40	22 6	1 54	8 52	1 28	15 20	1 57	22 6	0 22	12 19	2 39	22 56	0 5	22 0	1 20	6 6	16 33	12 54	12 39	18 54	14 10	2 17	
M 8	16 28	3n53	2 41	22 29	1 59	9 19	1 27	15 6	1 55	22 8	0 22	12 17	2 39	22 57	0 5	22 0	1 20	6 6	16 33	12 54	12 38	18 53	14 9	2 17	
T 9	16 46	8 13	1 32	22 50	2 3	9 47	1 26	14 51	1 53	22 9	0 22	12 16	2 39	22 57	0 5	21 59	1 20	6 5	16 33	12 55	12 37	18 53	14 8	2 17	
W10	17 3	12 13	0 15	23 11	2 8	10 14	1 25	14 37	1 50	22 11	0 22	12 14	2 39	22 57	0 5	21 59	1 20	6 4	16 33	12 55	12 35	18 52	14 7	2 17	
T 11	17 20	15 36	1s 5	23 30	2 12	10 42	1 24	14 22	1 48	22 12	0 22	12 13	2 39	22 57	0 5	21 59	1 20	6 4	16 34	12 55	12 34	18 51	14 6	2 17	
F 12	17 37	18 1	2 22	23 49	2 15	11 9	1 22	14 8	1 45	22 14	0 21	12 12	2 39	22 58	0 5	21 59	1 20	6 3	16 34	12 54	12 33	18 51	14 5	2 17	
S 13	17 53	19 13	3 29	24 6	2 19	11 35	1 21	13 53	1 43	22 16	0 21	12 10	2 38	22 58	0 5	21 59	1 20	6 3	16 34	12 54	12 32	18 50	14 4	2 17	
S 14	18 9	19 5	4 23	24 21	2 22	12 2	1 20	13 38	1 41	22 17	0 21	12 9	2 38	22 58	0 5	21 59	1 20	6 2	16 34	12 53	12 31	18 49	14 3	2 17	
M15	18 24	17 39	4 59	24 36	2 24	12 28	1 19	13 23	1 38	22 19	0 21	12 7	2 38	22 59	0 5	21 59	1 20	6 2	16 34	12 52	12 30	18 49	14 2	2 18	
T 16	18 40	15 6	5 15	24 49	2 27	12 54	1 17	13 8	1 36	22 20	0 21	12 6	2 38	22 59	0 5	21 59	1 20	6 1	16 35	12 52	12 29	18 48	14 1	2 18	
W17	18 55	11 41	5 11	25 1	2 29	13 19	1 16	12 53	1 34	22 22	0 21	12 5	2 38	22 59	0 5	21 59	1 20	6 1	16 35	12 51	12 28	18 47	14 0	2 18	
T 18	19 9	7 42	4 48	25 11	2 30	13 44	1 14	12 38	1 32	22 23	0 21	12 3	2 38	23 0	0 5	21 59	1 20	6 0	16 35	12 51	12 27	18 47	13 59	2 18	
F 19	19 24	3 25	4 11	25 20	2 31	14 9	1 13	12 23	1 30	22 25	0 21	12 2	2 38	23 0	0 5	21 59	1 20	6 0	16 36	12 51	12 26	18 46	13 58	2 18	
S 20	19 38	0s57	3 20	25 28	2 31	14 34	1 11	12 8	1 27	22 26	0 21	12 1	2 38	23 0	0 5	21 59	1 20	5 59	16 36	12 52	12 25	18 45	13 57	2 18	
S 21	19 51	5 11	2 20	25 34	2 31	14 58	1 9	11 52	1 25	22 28	0 20	12 0	2 37	23 1	0 5	21 58	1 20	5 59	16 36	12 52	12 24	18 45	13 56	2 18	
M22	20 5	9 7	1 15	25 38	2 30	15 22	1 8	11 37	1 23	22 29	0 20	11 58	2 37	23 1	0 5	21 58	1 20	5 58	16 36	12 53	12 22	18 44	13 55	2 18	
T 23	20 17	12 35	0 7	25 41	2 28	15 45	1 6	11 21	1 21	22 30	0 20	11 57	2 37	23 1	0 5	21 58	1 20	5 58	16 37	12 53	12 21	18 43	13 54	2 18	
W24	20 30	15 27	1n 1	25 43	2 26	16 8	1 4	11 5	1 19	22 32	0 20	11 56	2 37	23 2	0 5	21 58	1 20	5 57	16 37	12 53	12 20	18 42	13 53	2 18	
T 25	20 42	17 35	2 4	25 43	2 23	16 31	1 2	10 50	1 17	22 33	0 20	11 55	2 37	23 2	0 5	21 58	1 20	5 57	16 37	12 52	12 19	18 42	13 52	2 18	
F 26	20 54	18 54	3 2	25 42	2 19	16 53	1 0	10 34	1 15	22 35	0 20	11 53	2 37	23 2	0 5	21 58	1 20	5 57	16 38	12 51	12 18	18 41	13 51	2 18	
S 27	21 5	19 22	3 50	25 39	2 14	17 14	0 58	10 18	1 13	22 36	0 20	11 52	2 36	23 3	0 5	21 58	1 20	5 56	16 38	12 49	12 17	18 40	13 50	2 18	
S 28	21 16	18 57	4 29	25 34	2 8	17 36	0 56	10 2	1 11	22 37	0 20	11 51	2 36	23 3	0 5	21 58	1 20	5 56	16 38	12 47	12 16	18 40	13 49	2 18	
M29	21 27	17 44	4 55	25 28	2 1	17 56	0 54	9 46	1 9	22 38	0 20	11 50	2 36	23 3	0 5	21 58	1 20	5 56	16 39	12 45	12 15	18 39	13 48	2 18	
T 30	21s37	15s44	5n 9	25s21	1s53	18s17	0n52	9s30	1s 7	22s40	0n20	11n49	2s36	23s 4	0s 5	21n58	1s20	5n55	16n39	12s43	12s14	18s38	13n48	2s18	

ASTRODIENST EPHEMERIS for the year 1734
geocentric

DECEMBER 1734

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
W 1	4 38 23	8°39'07	8°50	28°50	26°35	8°58	18°53	8°R12	18°36	23°R11	24°46	3°R28	2° 4	7°3	13°R44	W 1
T 2	4 42 19	9°40'02	20°51	29°16	27°50	9°36	19° 7	8° 8	18°40	23°II 9	24°48	3°M25	2° 1	7°10	13°R41	T 2
F 3	4 46 16	10°40'58	3° 2	29°33	29° 6	10°15	19°21	8° 4	18°43	23° 7	24°50	3°23	1°58	7°16	13°38	F 3
S 4	4 50 12	11°41'55	15°29	29°R40	0°21	10°53	19°34	8° 1	18°47	23° 6	24°52	3°D23	1°55	7°23	13°35	S 4
S 5	4 54 9	12°42'53	28°16	29°38	1°37	11°32	19°48	7°57	18°51	23° 4	24°54	3°24	1°52	7°30	13°33	S 5
M 6	4 58 6	13°43'51	11°27	29°24	2°52	12°11	20° 1	7°54	18°54	23° 2	24°55	3°25	1°48	7°37	13°30	M 6
T 7	5 2 2	14°44'50	25° 5	28°59	4° 8	12°49	20°15	7°50	18°58	23° 1	24°57	3°26	1°45	7°43	13°27	T 7
W 8	5 5 59	15°45'49	9°12	28°23	5°23	13°28	20°29	7°47	19° 2	22°59	24°59	3°R27	1°42	7°50	13°25	W 8
T 9	5 9 55	16°46'49	23°46	27°36	6°39	14° 7	20°42	7°44	19° 5	22°57	25° 1	3°25	1°39	7°57	13°22	T 9
F 10	5 13 52	17°47'50	8°43	26°38	7°54	14°46	20°56	7°41	19° 9	22°56	25° 2	3°21	1°36	8° 3	13°20	F 10
S 11	5 17 48	18°48'52	23°55	25°30	9°10	15°25	21°10	7°37	19°13	22°54	25° 4	3°15	1°33	8°10	13°17	S 11
S 12	5 21 45	19°49'54	9°11	24°15	10°25	16° 5	21°23	7°35	19°16	22°52	25° 6	3° 8	1°29	8°17	13°15	S 12
M13	5 25 41	20°50'58	24°22	22°55	11°40	16°44	21°37	7°32	19°20	22°50	25° 7	3° 1	1°26	8°24	13°12	M13
T 14	5 29 38	21°52'01	9°16	21°32	12°56	17°23	21°51	7°29	19°23	22°49	25° 9	2°54	1°23	8°30	13°10	T 14
W15	5 33 35	22°53'06	23°46	20°10	14°11	18° 2	22° 5	7°26	19°27	22°47	25°10	2°48	1°20	8°37	13° 8	W15
T 16	5 37 31	23°54'12	7°50	18°50	15°27	18°42	22°18	7°24	19°31	22°45	25°12	2°45	1°17	8°44	13° 6	T 16
F 17	5 41 28	24°55'18	21°27	17°36	16°42	19°21	22°32	7°21	19°34	22°44	25°13	2°D44	1°13	8°50	13° 3	F 17
S 18	5 45 24	25°56'25	4°38	16°30	17°58	20° 1	22°46	7°19	19°38	22°42	25°15	2°44	1°10	8°57	13° 1	S 18
S 19	5 49 21	26°57'33	17°27	15°32	19°13	20°40	22°59	7°16	19°42	22°40	25°16	2°45	1° 7	9° 4	12°59	S 19
M20	5 53 17	27°58'42	29°57	14°45	20°29	21°20	23°13	7°14	19°45	22°39	25°17	2°R46	1° 4	9°11	12°57	M20
T 21	5 57 14	28°59'51	12°14	14° 9	21°45	21°59	23°27	7°12	19°49	22°37	25°19	2°45	1° 1	9°17	12°55	T 21
W22	6 1 10	0° 1'01	24°20	13°43	23° 0	22°39	23°40	7°10	19°53	22°35	25°20	2°43	0°58	9°24	12°53	W22
T 23	6 5 7	1° 2'11	6°20	13°28	24°16	23°19	23°54	7° 8	19°56	22°33	25°21	2°37	0°54	9°31	12°51	T 23
F 24	6 9 4	2° 3'22	18°15	13°D22	25°31	23°58	24° 8	7° 7	20° 0	22°32	25°23	2°29	0°51	9°37	12°50	F 24
S 25	6 13 0	3° 4'33	0° 7	13°27	26°47	24°38	24°21	7° 5	20° 3	22°30	25°24	2°19	0°48	9°44	12°48	S 25
S 26	6 16 57	4° 5'45	11°59	13°40	28° 2	25°18	24°35	7° 3	20° 7	22°28	25°25	2° 7	0°45	9°51	12°46	S 26
M27	6 20 53	5° 6'56	23°51	14° 1	29°18	25°58	24°49	7° 2	20°10	22°27	25°26	1°54	0°42	9°58	12°45	M27
T 28	6 24 50	6° 8'07	5°44	14°29	0°33	26°38	25° 2	7° 1	20°14	22°25	25°27	1°41	0°39	10° 4	12°43	T 28
W29	6 28 46	7° 9'19	17°42	15° 4	1°49	27°18	25°16	6°59	20°18	22°24	25°28	1°30	0°35	10°11	12°41	W29
T 30	6 32 43	8°10'30	29°45	15°44	3° 4	27°58	25°29	6°58	20°21	22°22	25°30	1°21	0°32	10°18	12°40	T 30
F 31	6 36 39	9°11'41	11°57	16°30	4°20	28°38	25°43	6°57	20°25	22°II20	25°31	1°M14	0°M29	10°24	12°39	F 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	21s46	13s 5	5n10	25s12	1s44	18s36	0n50	9s13	1s 5	22s41	0n19	11n48	2s36	23s 4	0s 5	21n58	1s20	5n55	16n39	12s41	12s13	18s38	13n47	2s18									
T 2	21 56	9 52	4 57	25 1	1 33	18 56	0 48	8 57	1 3	22 42	0 19	11 47	2 36	23 4	0 5	21 57	1 20	5 55	16 40	12 40	12 11	18 37	13 46	2 18									
F 3	22 5	6 11	4 31	24 49	1 21	19 14	0 46	8 41	1 1	22 43	0 19	11 46	2 35	23 5	0 5	21 57	1 20	5 54	16 40	12 40	12 10	18 36	13 45	2 18									
S 4	22 13	2 10	3 51	24 36	1 7	19 32	0 44	8 25	0 59	22 45	0 19	11 45	2 35	23 5	0 5	21 57	1 20	5 54	16 41	12 39	12 9	18 35	13 44	2 18									
S 5	22 21	2n 3	2 59	24 21	0 53	19 50	0 41	8 8	0 58	22 46	0 19	11 44	2 35	23 5	0 5	21 57	1 20	5 54	16 41	12 40	12 8	18 35	13 43	2 19									
M 6	22 29	6 19	1 57	24 5	0 36	20 7	0 39	7 52	0 56	22 47	0 19	11 43	2 35	23 5	0 5	21 57	1 20	5 54	16 41	12 40	12 7	18 34	13 43	2 19									
T 7	22 36	10 25	0 45	23 47	0 19	20 24	0 37	7 35	0 54	22 48	0 19	11 42	2 34	23 6	0 5	21 57	1 20	5 53	16 42	12 41	12 6	18 33	13 42	2 19									
W 8	22 43	14 5	0s31	23 28	0 0	20 40	0 35	7 19	0 52	22 49	0 19	11 41	2 34	23 6	0 5	21 57	1 20	5 53	16 42	12 41	12 5	18 32	13 41	2 19									
T 9	22 49	17 0	1 48	23 8	0n19	20 55	0 32	7 2	0 50	22 50	0 19	11 41	2 34	23 6	0 5	21 57	1 20	5 53	16 43	12 40	12 4	18 32	13 40	2 19									
F 10	22 55	18 50	2 59	22 46	0 39	21 10	0 30	6 45	0 49	22 51	0 19	11 40	2 34	23 7	0 5	21 57	1 20	5 53	16 43	12 39	12 3	18 31	13 39	2 19									
S 11	23 0	19 22	3 59	22 24	1 0	21 24	0 28	6 28	0 47	22 52	0 18	11 39	2 34	23 7	0 5	21 57	1 20	5 53	16 44	12 37	12 2	18 30	13 39	2 19									
S 12	23 5	18 28	4 41	22 1	1 19	21 37	0 25	6 12	0 45	22 53	0 18	11 38	2 33	23 7	0 5	21 57	1 20	5 52	16 44	12 35	12 0	18 29	13 38	2 19									
M13	23 9	16 17	5 4	21 38	1 39	21 50	0 23	5 55	0 44	22 54	0 18	11 38	2 33	23 8	0 5	21 57	1 20	5 52	16 44	12 32	11 59	18 29	13 37	2 19									
T 14	23 13	13 3	5 6	21 16	1 56	22 2	0 21	5 38	0 42	22 55	0 18	11 37	2 33	23 8	0 5	21 56	1 20	5 52	16 45	12 30	11 58	18 28	13 37	2 19									
W15	23 17	9 5	4 47	20 54	2 13	22 14	0 18	5 21	0 40	22 56	0 18	11 36	2 33	23 8	0 5	21 56	1 20	5 52	16 45	12 28	11 57	18 27	13 36	2 19									
T 16	23 20	4 44	4 12	20 34	2 27	22 25	0 16	5 4	0 39	22 57	0 18	11 36	2 32	23 8	0 5	21 56	1 20	5 52	16 46	12 27	11 56	18 26	13 35	2 19									
F 17	23 22	0 17	3 23	20 16	2 38	22 35	0 13	4 47	0 37	22 58	0 18	11 35	2 32	23 9	0 5	21 56	1 20	5 52	16 46	12 26	11 55	18 26	13 35	2 19									
S 18	23 25	4s 4	2 25	20 0	2 48	22 45	0 11	4 30	0 35	22 59	0 18	11 35	2 32	23 9	0 5	21 56	1 20	5 52	16 47	12 26	11 54	18 25	13 34	2 19									
S 19	23 26	8 7	1 21	19 47	2 55	22 54	0 9	4 13	0 34	22 59	0 18	11 34	2 32	23 9	0 5	21 56	1 20	5 52	16 47	12 27	11 53	18 24	13 33	2 19									
M20	23 27	11 42	0 15	19 38	2 59	23 2	0 6	3 56	0 32	23 0	0 18	11 34	2 31	23 10	0 5	21 56	1 20	5 52	16 48	12 27	11 52	18 23	13 33	2 19									
T 21	23 28	14 43	0n51	19 31	3 2	23 9	0 4	3 39	0 31	23 1	0 18	11 33	2 31	23 10	0 5	21 56	1 20	5 52	16 48	12 27	11 51	18 23	13 32	2 19									
W22	23 28	17 3	1 53	19 27	3 3	23 16	0 1	3 22	0 29	23 2	0 18	11 33	2 31	23 10	0 5	21 56	1 20	5 52	16 49	12 26	11 49	18 22	13 32	2 19									
T 23	23 28	18 37	2 49	19 27	3 1	23 22	0s 1	3 5	0 28	23 2	0 17	11 33	2 30	23 11	0 5	21 56	1 20	5 52	16 49	12 24	11 48	18 21	13 31	2 19									
F 24	23 27	19 20	3 38	19 29	2 59	23 27	0 4	2 48	0 26	23 3	0 17	11 32	2 30	23 11	0 5	21 56	1 20	5 52	16 50	12 21	11 47	18 20	13 31	2 18									
S 25	23 26	19 11	4 17	19 33	2 55	23 32	0 6	2 31	0 25	23 4	0 17	11 32	2 30	23 11	0 5	21 56	1 20	5 52	16 50	12 18	11 46	18 19	13 30	2 18									
S 26	23 24	18 13	4 44	19 40	2 50	23 36	0 8	2 14	0 23	23 4	0 17	11 32	2 30	23 11	0 5	21 55	1 20	5 52	16 51	12 13	11 45	18 19	13 30	2 18									
M27	23 22	16 27	4 59	19 48	2 44	23 39	0 11	1 57	0 22	23 5	0 17	11 32	2 29	23 12	0 5	21 55	1 20	5 52	16 51	12 9	11 44	18 18	13 29	2 18									
T 28	23 20	13 59	5 2	19 58	2 37	23 41	0 13	1 39	0 21	23 6	0 17	11 31	2 29	23 12	0 5	21 55	1 20	5 52	16 52	12 4	11 43	18 17	13 29	2 18									
W29	23 17	10 56	4 51	20 9	2 30	23 43	0 16	1 22	0 19	23 6	0 17	11 31	2 29	23 12	0 5	21 55	1 20	5 52	16 52	12 1	11 42	18 16	13 28	2 18									
T 30	23 13	7 25	4 27	20 21	2 22	23 44	0 18	1 5	0 18	23 7	0 17	11 31	2 28	23 12	0 5	21 55	1 20	5 52	16 53	11 57	11 41	18 15	13 28	2 18									
F 31	23s 9	3s33	3n50	20s34	2n14	23s44	0s20	0s48	0s17	23s 7	0n17	11n31	2s28	23s13	0s 5	21n55	1s20	5n53	16n53	11s55	11s39	18s15	13n27	2s18									