



Astrodienst Ephemeris Tables for the year 1832

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 1832

geocentric

JANUARY 1832

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	6 38 38	9°38'25	16°32	26°349	23°17	7°7	22°27	15°R 3	12°36	24°8	8°39	12°R52	14°22	27°33	11°R45	S 1
M 2	6 42 34	10°39'36	28°22	26°R51	24°23	7°49	22°39	15°R 2	12°39	24°10	8°39	12°R46	14°19	27°40	11°R44	M 2
T 3	6 46 31	11°40'47	10°312	26°42	25°29	8°31	22°52	15° 1	12°42	24°12	8°39	12°41	14°16	27°46	11°43	T 3
W 4	6 50 28	12°41'59	22° 4	26°21	26°35	9°13	23° 5	15° 1	12°46	24°14	8°39	12°37	14°13	27°53	11°41	W 4
T 5	6 54 24	13°43'10	4° 0	25°49	27°41	9°56	23°17	15° 0	12°49	24°17	8°40	12°35	14° 9	28° 0	11°40	T 5
F 6	6 58 21	14°44'21	16° 2	25° 5	28°48	10°38	23°30	14°58	12°52	24°19	8°40	12°D35	14° 6	28° 6	11°39	F 6
S 7	7 2 17	15°45'32	28°13	24°10	29°54	11°20	23°43	14°57	12°55	24°21	8°40	12°36	14° 3	28°13	11°38	S 7
S 8	7 6 14	16°46'42	10°34	23° 6	1° 1	12° 2	23°56	14°56	12°58	24°23	8°41	12°38	14° 0	28°20	11°38	S 8
M 9	7 10 10	17°47'52	23°11	21°55	2° 8	12°45	24° 9	14°54	13° 2	24°26	8°41	12°39	13°57	28°26	11°37	M 9
T 10	7 14 7	18°49'01	6° 5	20°38	3°16	13°27	24°22	14°53	13° 5	24°28	8°41	12°41	13°54	28°33	11°36	T 10
W11	7 18 3	19°50'09	19°20	19°19	4°23	14°10	24°35	14°51	13° 8	24°30	8°42	12°R41	13°50	28°40	11°35	W11
T 12	7 22 0	20°51'17	2° 59	18° 0	5°31	14°52	24°48	14°49	13°11	24°33	8°42	12°41	13°47	28°46	11°35	T 12
F 13	7 25 57	21°52'24	17° 3	16°43	6°39	15°35	25° 1	14°48	13°15	24°35	8°43	12°39	13°44	28°53	11°34	F 13
S 14	7 29 53	22°53'31	1°31	15°30	7°47	16°17	25°15	14°46	13°18	24°37	8°43	12°37	13°41	29° 0	11°34	S 14
S 15	7 33 50	23°54'37	16°19	14°24	8°55	17° 0	25°28	14°44	13°21	24°39	8°44	12°34	13°38	29° 7	11°33	S 15
M16	7 37 46	24°55'42	1°22	13°25	10° 4	17°42	25°41	14°41	13°25	24°42	8°44	12°32	13°35	29°13	11°33	M16
T 17	7 41 43	25°56'47	16°31	12°35	11°12	18°25	25°55	14°39	13°28	24°44	8°45	12°30	13°31	29°20	11°32	T 17
W18	7 45 39	26°57'51	1°36	11°54	12°21	19° 7	26° 8	14°37	13°31	24°46	8°45	12°29	13°28	29°27	11°32	W18
T 19	7 49 36	27°58'54	16°28	11°22	13°30	19°50	26°22	14°34	13°35	24°48	8°46	12°D29	13°25	29°33	11°32	T 19
F 20	7 53 33	28°59'56	1° 0	11° 0	14°39	20°33	26°36	14°32	13°38	24°51	8°46	12°29	13°22	29°40	11°32	F 20
S 21	7 57 29	0° 0'58	15° 6	10°47	15°48	21°16	26°49	14°29	13°42	24°53	8°47	12°30	13°19	29°47	11°D32	S 21
S 22	8 1 26	1° 2'00	28°46	10°D43	16°57	21°58	27° 3	14°26	13°45	24°55	8°48	12°32	13°15	29°53	11°32	S 22
M23	8 5 22	2° 3'01	11°259	10°46	18° 7	22°41	27°17	14°24	13°48	24°58	8°48	12°32	13°12	0° 0	11°32	M23
T 24	8 9 19	3° 4'01	24°48	10°58	19°16	23°24	27°31	14°21	13°52	25° 0	8°49	12°33	13° 9	0° 7	11°32	T 24
W25	8 13 15	4° 5'01	7°16	11°16	20°26	24° 7	27°44	14°18	13°55	25° 2	8°50	12°R33	13° 6	0°13	11°32	W25
T 26	8 17 12	5° 6'01	19°28	11°40	21°36	24°50	27°58	14°14	13°59	25° 4	8°50	12°33	13° 3	0°20	11°33	T 26
F 27	8 21 8	6° 7'00	1°28	12°11	22°46	25°33	28°12	14°11	14° 2	25° 7	8°51	12°32	13° 0	0°27	11°33	F 27
S 28	8 25 5	7° 7'58	13°20	12°46	23°56	26°16	28°26	14° 8	14° 6	25° 9	8°52	12°32	12°56	0°33	11°33	S 28
S 29	8 29 1	8° 8'55	25° 9	13°27	25° 6	26°59	28°40	14° 5	14° 9	25°11	8°53	12°31	12°53	0°40	11°34	S 29
M30	8 32 58	9° 9'52	6°58	14°12	26°16	27°42	28°54	14° 1	14°13	25°13	8°54	12°30	12°50	0°47	11°34	M30
T 31	8 36 55	10°10'47	18°51	15° 1	27°26	28°25	29° 8	13°58	14°16	25°15	8°54	12°30	12°47	0°53	11°35	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	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	
S 1	23 s 7	18 s29	4n19	20s42	0n 7	15s39	3n 3	21s30	0n 1	14s54	0s54	7n40	1n56	17s40	0s39	S 1
M 2	23 2	19 48	3 39	20 24	0 24	15 56	3 3	21 37	0 1	14 50	0 54	7 41	1 56	17 39	0 39	M 2
T 3	22 57	20 16	2 48	20 8	0 43	16 12	3 2	21 44	0 0	14 46	0 54	7 41	1 56	17 38	0 39	T 3
W 4	22 51	19 50	1 50	19 53	1 2	16 28	3 1	21 52	0s 1	14 41	0 54	7 42	1 56	17 37	0 39	W 4
T 5	22 45	18 31	0 47	19 40	1 21	16 44	3 1	21 59	0 1	14 37	0 54	7 43	1 57	17 36	0 39	T 5
F 6	22 39	16 21	0s19	19 29	1 40	16 59	3 0	22 5	0 2	14 33	0 54	7 43	1 57	17 35	0 39	F 6
S 7	22 32	13 26	1 25	19 21	1 59	17 14	2 58	22 12	0 3	14 29	0 54	7 44	1 57	17 34	0 39	S 7
S 8	22 24	9 53	2 28	19 14	2 17	17 29	2 57	22 18	0 3	14 24	0 54	7 45	1 57	17 33	0 39	S 8
M 9	22 16	5 51	3 25	19 9	2 33	17 44	2 56	22 25	0 4	14 20	0 54	7 46	1 58	17 32	0 39	M 9
T 10	22 8	1 28	4 14	19 6	2 48	17 58	2 54	22 31	0 5	14 16	0 54	7 46	1 58	17 31	0 39	T 10
W11	22 0	3n 6	4 50	19 5	3 0	18 13	2 53	22 36	0 5	14 11	0 54	7 47	1 58	17 31	0 39	W11
T 12	21 50	7 38	5 11	19 6	3 11	18 26	2 51	22 42	0 6	14 7	0 54	7 48	1 58	17 30	0 39	T 12
F 13	21 41	11 54	5 15	19 8	3 18	18 40	2 49	22 47	0 7	14 2	0 54	7 49	1 59	17 29	0 39	F 13
S 14	21 31	15 36	4 59	19 11	3 23	18 52	2 47	22 53	0 7	13 58	0 54	7 50	1 59	17 28	0 39	S 14
S 15	21 21	18 24	4 23	19 16	3 26	19 5	2 45	22 58	0 8	13 53	0 54	7 51	1 59	17 27	0 39	S 15
M16	21 10	19 59	3 28	19 22	3 26	19 17	2 43	23 2	0 9	13 49	0 54	7 52	1 59	17 26	0 39	M16
T 17	20 59	20 8	2 19	19 28	3 25	19 29	2 41	23 7	0 10	13 44	0 54	7 53	2 0	17 25	0 39	T 17
W18	20 47	18 51	1 0	19 35	3 21	19 40	2 39	23 11	0 10	13 40	0 54	7 54	2 0	17 24	0 39	W18
T 19	20 35	16 16	0n22	19 43	3 16	19 51	2 36	23 15	0 11	13 35	0 54	7 56	2 0	17 23	0 39	T 19
F 20	20 23	12 42	1 41	19 52	3 9	20 2	2 34	23 19	0 12	13 30	0 54	7 57	2 0	17 22	0 39	F 20
S 21	20 10	8 30	2 51	20 0	3 2	20 12	2 31	23 23	0 12	13 26	0 54	7 58	2 1	17 21	0 39	S 21
S 22	19 57	4 0	3 49	20 9	2 53	20 21	2 29	23 26	0 13	13 21	0 54	7 59	2 1	17 20	0 39	S 22
M23	19 43	0s33	4 33	20 18	2 44	20 30	2 26	23 29	0 14	13 16	0 54	8 1	2 1	17 19	0 39	M23
T 24	19 29	4 55	5 2	20 27	2 34	20 39	2 23	23 32	0 15	13 11	0 54	8 2	2 1	17 18	0 39	T 24
W25	19 15	8 58	5 16	20 36	2 24	20 47	2 21	23 35	0 15	13 7	0 54	8 3	2 2	17 17	0 39	W25
T 26	19 0	12 33	5 15	20 44	2 13	20 54	2 18	23 38	0 16	13 2	0 54	8 5	2 2	17 16	0 39	T 26
F 27	18 46	15 34	5 0	20 52	2 3	21 1	2 15	23 40	0 17	12 57	0 54	8 6	2 2	17 15	0 39	F 27
S 28	18 30	17 54	4 33	20 59	1 52	21 8	2 12	23 42	0 18	12 52	0 54	8 8	2 2	17 14	0 39	S 28
S 29	18 15	19 29	3 54	21 6	1 41	21 14	2 9	23 44	0 18	12 47	0 54	8 9	2 2	17 13	0 39	S 29
M30	17 59	20 12	3 5	21 12	1 30	21 19	2 6	23 46	0 19	12 42	0 54	8 11	2 3	17 12	0 39	M30
T 31	17s42	20s 1	2n 8	21s18	1n20	21s24	2n 2	23s47	0s20	12s37	0s54	8n12	2n 3	17s11	0s39	T 31

Julian Day Number = 2390183.5, Delta T = 9.58 sec
 Ecliptic obliquity = 23°27'33", Nutation = - 0°00'12", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°23'40", Lahiri = 21°30'40"

ASTRODIENST EPHEMERIS for the year 1832

geocentric

MARCH 1832

00:00 UT

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

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂			
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ASTRODIENST EPHEMERIS for the year 1832

geocentric

APRIL 1832

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Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	12 37 24	11°16'38	8°37	23°36	10°44	13°35	13°39	9°R29	17°27	26°58	10°11	10°R44	9°33	7°30	13°57	S 1
M 2	12 41 21	12°15'46	22°17	25°31	11°57	13°49	13°53	9°26	17°30	26°59	10°12	10°34	9°30	7°47	14° 0	M 2
T 3	12 45 17	13°14'52	6°13	27°23	13°10	14°34	14° 6	9°22	17°32	27° 0	10°14	10°23	9°27	7°54	14° 4	T 3
W 4	12 49 14	14°13'55	20°19	29°13	14°22	15°18	14°20	9°19	17°34	27° 1	10°15	10°14	9°23	8° 0	14° 8	W 4
T 5	12 53 11	15°12'57	4°32	0°59	15°35	16° 3	14°33	9°15	17°37	27° 2	10°16	10° 6	9°20	8° 7	14°12	T 5
F 6	12 57 7	16°11'56	18°47	2°42	16°48	16°48	14°47	9°12	17°39	27° 3	10°18	10° 1	9°17	8°14	14°15	F 6
S 7	13 1 4	17°10'53	3°0	4°21	18° 1	17°32	15° 0	9° 8	17°41	27° 3	10°19	9°58	9°14	8°20	14°19	S 7
S 8	13 5 0	18° 9'47	17° 9	5°55	19°15	18°17	15°13	9° 5	17°43	27° 4	10°21	9°D57	9°11	8°27	14°23	S 8
M 9	13 8 57	19° 8'39	1°13	7°25	20°28	19° 1	15°27	9° 2	17°45	27° 5	10°22	9°57	9° 8	8°34	14°27	M 9
T 10	13 12 53	20° 7'29	15°11	8°51	21°41	19°46	15°40	8°59	17°47	27° 5	10°24	9°R57	9° 4	8°40	14°31	T 10
W 11	13 16 50	21° 6'17	29° 2	10°11	22°54	20°31	15°53	8°56	17°49	27° 6	10°25	9°56	9° 1	8°47	14°35	W 11
T 12	13 20 46	22° 5'02	12°46	11°26	24° 7	21°15	16° 6	8°53	17°51	27° 7	10°27	9°52	8°58	8°54	14°39	T 12
F 13	13 24 43	23° 3'45	26°22	12°36	25°20	22° 0	16°19	8°51	17°53	27° 7	10°28	9°46	8°55	9° 0	14°43	F 13
S 14	13 28 40	24° 2'26	9°47	13°41	26°33	22°44	16°32	8°48	17°55	27° 8	10°29	9°37	8°52	9° 7	14°46	S 14
S 15	13 32 36	25° 1'04	23° 0	14°40	27°46	23°29	16°45	8°45	17°57	27° 8	10°31	9°25	8°49	9°14	14°50	S 15
M 16	13 36 33	25°59'41	5°58	15°33	28°59	24°14	16°58	8°43	17°59	27° 9	10°32	9°13	8°45	9°20	14°54	M 16
T 17	13 40 29	26°58'16	18°41	16°20	0°12	24°58	17°10	8°40	18° 0	27° 9	10°34	9° 0	8°42	9°27	14°58	T 17
W 18	13 44 26	27°56'49	1° 9	17° 2	1°25	25°43	17°23	8°38	18° 2	27° 9	10°35	8°49	8°39	9°34	15° 2	W 18
T 19	13 48 22	28°55'21	13°22	17°38	2°38	26°28	17°36	8°36	18° 4	27°10	10°36	8°39	8°36	9°40	15° 7	T 19
F 20	13 52 19	29°53'51	25°23	18° 7	3°51	27°12	17°48	8°34	18° 5	27°10	10°38	8°32	8°33	9°47	15°11	F 20
S 21	13 56 15	0°52'19	7°316	18°31	5° 4	27°57	18° 1	8°32	18° 7	27°10	10°39	8°28	8°29	9°54	15°15	S 21
S 22	14 0 12	1°50'45	19° 5	18°49	6°17	28°41	18°13	8°30	18° 9	27°11	10°41	8°26	8°26	10° 0	15°19	S 22
M 23	14 4 9	2°49'10	0°55	19° 2	7°30	29°26	18°26	8°28	18°10	27°11	10°42	8°26	8°23	10° 7	15°23	M 23
T 24	14 8 5	3°47'33	12°52	19° 8	8°44	0°11	18°38	8°26	18°12	27°11	10°43	8°26	8°20	10°14	15°27	T 24
W 25	14 12 2	4°45'55	25° 0	19°R 9	9°57	0°55	18°50	8°25	18°13	27°11	10°45	8°25	8°17	10°20	15°31	W 25
T 26	14 15 58	5°44'15	7°25	19° 4	11°10	1°40	19° 2	8°23	18°14	27°11	10°46	8°23	8°14	10°27	15°35	T 26
F 27	14 19 55	6°42'33	20°12	18°55	12°23	2°25	19°14	8°22	18°16	27°11	10°47	8°18	8°10	10°34	15°39	F 27
S 28	14 23 51	7°40'50	3°22	18°40	13°36	3° 9	19°26	8°20	18°17	27°12	10°49	8°10	8° 7	10°40	15°43	S 28
S 29	14 27 48	8°39'05	16°58	18°21	14°49	3°54	19°38	8°19	18°18	27°R12	10°50	8° 1	8° 4	10°47	15°48	S 29
M 30	14 31 44	9°37'18	0°58	17°57	16°2	4°38	19°50	8°18	18°19	27°312	10°51	7°49	8° 1	10°54	15°52	M 30

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S 1	4n28	0s32	4s18	9n47	0n39	8s39	1s11	18s 2	1s11	7s20	0s58	9n59	2n 7	16s15	0s40	20s20	0n27	11s16	16s39	17n33	17n53	20s31	14n 6	2s 1			
M 2	4 51	4n13	4 48	10 40	0 51	8 12	1 13	17 50	1 12	7 14	0 58	10 0	2 7	16 14	0 40	20 20	0 27	11 16	16 39	17 36	17 53	20 32	14 7	2 1			
T 3	5 14	8 50	5 3	11 31	1 2	7 46	1 14	17 38	1 13	7 9	0 58	10 2	2 7	16 13	0 40	20 20	0 27	11 15	16 39	17 39	17 54	20 32	14 8	2 2			
W 4	5 37	13 2	4 59	12 21	1 14	7 20	1 16	17 26	1 14	7 4	0 58	10 3	2 7	16 13	0 40	20 20	0 27	11 14	16 39	17 42	17 55	20 32	14 10	2 2			
T 5	6 0	16 32	4 37	13 9	1 25	6 53	1 18	17 13	1 14	6 59	0 58	10 4	2 7	16 12	0 40	20 20	0 27	11 14	16 39	17 44	17 56	20 33	14 11	2 2			
F 6	6 23	19 3	3 57	13 55	1 36	6 26	1 20	17 1	1 15	6 54	0 59	10 5	2 7	16 11	0 40	20 19	0 27	11 13	16 39	17 45	17 57	20 33	14 12	2 2			
S 7	6 45	20 22	3 3	14 39	1 47	5 59	1 21	16 48	1 16	6 49	0 59	10 6	2 7	16 11	0 40	20 19	0 27	11 13	16 39	17 46	17 58	20 33	14 13	2 2			
S 8	7 8	20 24	1 58	15 20	1 57	5 32	1 23	16 35	1 17	6 44	0 59	10 8	2 7	16 10	0 40	20 19	0 27	11 12	16 39	17 46	17 58	20 34	14 14	2 2			
M 9	7 30	19 9	0 46	15 59	2 6	5 4	1 24	16 22	1 18	6 39	0 59	10 9	2 7	16 10	0 40	20 19	0 27	11 12	16 39	17 46	17 59	20 34	14 15	2 2			
T 10	7 52	16 44	0n28	16 35	2 15	4 37	1 25	16 9	1 19	6 34	0 59	10 10	2 7	16 9	0 40	20 19	0 27	11 11	16 39	17 46	18 0	20 34	14 16	2 2			
W 11	8 14	13 22	1 40	17 9	2 23	4 9	1 27	15 55	1 20	6 29	0 59	10 11	2 6	16 8	0 40	20 19	0 27	11 11	16 39	17 46	18 1	20 35	14 17	2 2			
T 12	8 36	9 18	2 45	17 40	2 30	3 41	1 28	15 42	1 20	6 24	0 59	10 12	2 6	16 8	0 40	20 19	0 27	11 10	16 39	17 47	18 2	20 35	14 18	2 2			
F 13	8 58	4 48	3 40	18 7	2 37	3 13	1 29	15 28	1 21	6 19	1 0	10 13	2 6	16 7	0 40	20 19	0 27	11 10	16 39	17 49	18 3	20 35	14 19	2 2			
S 14	9 20	0 8	4 22	18 32	2 43	2 45	1 30	15 14	1 22	6 14	1 0	10 14	2 6	16 7	0 40	20 18	0 27	11 9	16 39	17 52	18 4	20 36	14 21	2 2			
S 15	9 42	4s28	4 49	18 55	2 47	2 17	1 31	15 0	1 23	6 9	1 0	10 14	2 6	16 6	0 40	20 18	0 27	11 9	16 39	17 55	18 4	20 36	14 22	2 2			
M 16	10 3	8 48	5 0	19 14	2 51	1 49	1 32	14 46	1 24	6 4	1 0	10 15	2 6	16 6	0 40	20 18	0 27	11 9	16 40	17 58	18 5	20 36	14 23	2 2			
T 17	10 24	12 38	4 57	19 30	2 53	1 20	1 33	14 32	1 25	6 0	1 0	10 16	2 6	16 5	0 40	20 18	0 27	11 8	16 40	18 1	18 6	20 37	14 24	2 2			
W 18	10 45	15 51	4 39	19 44	2 55	0 52	1 33	14 18	1 25	5 55	1 0	10 17	2 6	16 5	0 40	20 18	0 27	11 8	16 40	18 4	18 7	20 37	14 25	2 2			
T 19	11 6	18 19	4 8	19 54	2 55	0 23	1 34	14 4	1 26	5 50	1 0	10 18	2 6	16 4	0 40	20 18	0 27	11 7	16 40	18 7	18 8	20 37	14 26	2 2			
F 20	11 27	19 56	3 27	20 2	2 54	0n 5	1 35	13 49	1 27	5 45	1 1	10 18	2 5	16 4	0 40	20 18	0 27	11 7	16 40	18 9	18 9	20 37	14 27	2 2			
S 21	11 47	20 39	2 37	20 7	2 52	0 34	1 35	13 34	1 28	5 40	1 1	10 19	2 5	16 3	0 40	20 18	0 27	11 6	16 40	18 10	18 9	20 38	14 28	2 2			
S 22	12 8	20 26	1 41	20 8	2 49	1 2	1 36	13 20	1 29	5 36	1 1	10 19	2 5	16 3	0 40	20 18	0 27	11 6	16 40	18 10	18 10	20 38	14 30	2 2			
M 23	12 28	19 19	0 40	20 7	2 44	1 31	1 36	13 5	1 30	5 31	1 1	10 20	2 5	16 2	0 40	20 18	0 27	11 6	16 40	18 10	18 11	20 38	14 31	2 2			
T 24	12 48	17 21	0s23	20 3	2 38	1 59	1 36	12 50	1 30	5 26	1 1	10 21	2 5	16 2	0 41	20 18	0 27	11 5	16 40	18 10	18 12	20 39	14 32	2 2			
W 25	13 7	14 34	1 27	19 57	2 31	2 28	1 37	12 35	1 31	5 22	1 1	10 21	2 5	16 2	0 41	20 18	0 27	11 5	16 41	18 10	18 13	20 39	14 33	2 2			
T 26	13 27	11 4	2 27	19 47	2 22	2 56	1 37	12 19	1 32	5 17	1 2	10 22	2 5	16 1	0 41	20 18	0 27	11 4	16 41	18 11	18 13	20 39	14 34	2 2			
F 27	13 46	6 59	3 22	19 35	2 12	3 25	1 37	12 4	1 33	5 13	1 2	10 22	2 5	16 1	0 41	20 18	0 27	11 4	16 41	18 12	18 14	20 39	14 35	2 3			
S 28	14 5	2 27	4 8	19 20	2 1	3 53	1 37	11 49	1 34	5 8	1 2	10 22	2 4	16 0	0 41	20 18	0 27	11 4	16 41	18 14	18 15	20 40	14 36	2 3			
S 29	14 24	2n21	4 41	19 3	1 49	4 21	1 37	11 33	1 35	5 4	1 2	10 23	2 4	16 0	0 41	20 18	0 27	11 3	16 41	18 17	18 16	20 40	14 37	2 3			
M 30	14n42	7n 9	4s58	18n44	1n36	4n50	1s37	11s18	1s35	4s59	1s 2	10n23	2n 4	16s 0	0s41	20s18	0n27	11s 3	16s41	18n20	18n17	20s40	14n39	2s 3			

ASTRODIENST EPHEMERIS for the year 1832
geocentric

MAY 1832

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	14 35 41	10♈35'30	15♌17	17°R30	17°Y16	5♋23	20♈ 2	8°R17	18♎20	27°R11	10°Y53	7°R37	7♏58	11♐0	15♌56	T 1
W 2	14 39 37	11°33'40	29°50	17♌0	18°29	6°7	20°13	8♎16	18°21	27♐11	10°54	7♏26	7°54	11°7	16°0	W 2
T 3	14 43 34	12°31'49	14♐29	16°27	19°42	6°52	20°25	8°15	18°22	27°11	10°55	7°17	7°51	11°14	16°4	T 3
F 4	14 47 31	13°29'55	29°6	15°52	20°55	7°36	20°36	8°15	18°23	27°11	10°56	7°11	7°48	11°20	16°9	F 4
S 5	14 51 27	14°28'00	13♎37	15°16	22°8	8°21	20°47	8°14	18°24	27°11	10°58	7°7	7°45	11°27	16°13	S 5
S 6	14 55 24	15°26'03	27°57	14°39	23°21	9°5	20°59	8°13	18°25	27°11	10°59	7°6	7°42	11°34	16°17	S 6
M 7	14 59 20	16°24'04	12♏3	14°2	24°35	9°50	21°10	8°13	18°26	27°11	11°0	7°6	7°39	11°40	16°21	M 7
T 8	15 3 17	17°22'02	25°56	13°25	25°48	10°34	21°21	8°13	18°27	27°10	11°1	7°5	7°35	11°47	16°25	T 8
W 9	15 7 13	18°19'59	9♎35	12°50	27°1	11°19	21°32	8°13	18°28	27°10	11°3	7°4	7°32	11°54	16°29	W 9
T 10	15 11 10	19°17'54	23°2	12°17	28°14	12°3	21°43	8°D12	18°28	27°10	11°4	7°0	7°29	12°0	16°34	T 10
F 11	15 15 6	20°15'47	6♐16	11°46	29°27	12°47	21°53	8°12	18°29	27°9	11°5	6°54	7°26	12°7	16°38	F 11
S 12	15 19 3	21°13'39	19°19	11°18	0♈40	13°32	22°4	8°13	18°29	27°9	11°6	6°45	7°23	12°14	16°42	S 12
S 13	15 23 0	22°11'29	2♎10	10°53	1°54	14°16	22°15	8°13	18°30	27°8	11°7	6°34	7°20	12°20	16°46	S 13
M14	15 26 56	23°9'17	14°50	10°32	3°7	15°0	22°25	8°13	18°30	27°8	11°8	6°22	7°16	12°27	16°50	M14
T 15	15 30 53	24°7'04	27°17	10°15	4°20	15°44	22°35	8°14	18°31	27°8	11°9	6°9	7°13	12°34	16°55	T 15
W16	15 34 49	25°4'49	9♎33	10°1	5°33	16°29	22°46	8°14	18°31	27°7	11°11	5°58	7°10	12°40	16°59	W16
T 17	15 38 46	26°2'33	21°39	9°53	6°46	17°13	22°56	8°15	18°32	27°6	11°12	5°48	7°7	12°47	17°3	T 17
F 18	15 42 42	27°0'16	3♐35	9°D48	8°0	17°57	23°6	8°16	18°32	27°6	11°13	5°41	7°4	12°54	17°7	F 18
S 19	15 46 39	27°57'58	15°26	9°48	9°13	18°41	23°16	8°16	18°32	27°5	11°14	5°37	7°0	13°0	17°11	S 19
S 20	15 50 35	28°55'39	27°13	9°53	10°26	19°25	23°25	8°17	18°32	27°5	11°15	5°35	6°57	13°7	17°15	S 20
M21	15 54 32	29°53'18	9♎2	10°2	11°39	20°9	23°35	8°18	18°32	27°4	11°16	5°D35	6°54	13°14	17°19	M21
T 22	15 58 29	0♐50'56	20°58	10°16	12°52	20°53	23°45	8°20	18°33	27°3	11°17	5°35	6°51	13°20	17°24	T 22
W23	16 2 25	1°48'34	3♋5	10°34	14°6	21°37	23°54	8°21	18°R33	27°3	11°18	5°R36	6°48	13°27	17°28	W23
T 24	16 6 22	2°46'10	15°30	10°57	15°19	22°21	24°3	8°22	18°33	27°2	11°19	5°35	6°45	13°34	17°32	T 24
F 25	16 10 18	3°43'46	28°16	11°23	16°32	23°5	24°12	8°24	18°32	27°1	11°20	5°32	6°41	13°40	17°36	F 25
S 26	16 14 15	4°41'20	11°Y28	11°54	17°45	23°49	24°22	8°25	18°32	27°0	11°21	5°27	6°38	13°47	17°40	S 26
S 27	16 18 11	5°38'54	25°7	12°30	18°59	24°33	24°30	8°27	18°32	26°59	11°22	5°20	6°35	13°54	17°44	S 27
M28	16 22 8	6°36'27	9♌15	13°9	20°12	25°17	24°39	8°29	18°32	26°59	11°23	5°12	6°32	14°0	17°48	M28
T 29	16 26 4	7°33'58	23°46	13°52	21°25	26°1	24°48	8°31	18°32	26°58	11°24	5°3	6°29	14°7	17°52	T 29
W30	16 30 1	8°31'29	8♐35	14°38	22°39	26°44	24°56	8°33	18°31	26°57	11°25	4°55	6°26	14°13	17°56	W30
T 31	16 33 58	9♐28'59	23♐34	15♌29	23♌52	27♋28	25♋5	8♎35	18♎31	26♐56	11°Y25	4♏48	6♏22	14♐20	18♌0	T 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	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl
T 1	15n 1	11n41	4s58	18n22	1n22	5n18	1s37	11s 2	1s36	4s55	1s 2	10n23	2n 4	15s59	0s41	20s18	0n27	11s 3	16s42	18n23	18n18	20s40	14n40	2s 3										
W 2	15 19	15 36	4 38	17 59	1 6	5 46	1 36	10 46	1 37	4 50	1 3	10 23	2 4	15 59	0 41	20 18	0 27	11 2	16 42	18 26	18 18	20 41	14 41	2 3										
T 3	15 37	18 35	4 0	17 34	0 50	6 14	1 36	10 31	1 38	4 46	1 3	10 24	2 4	15 59	0 41	20 18	0 27	11 2	16 42	18 28	18 19	20 41	14 42	2 3										
F 4	15 54	20 21	3 6	17 9	0 34	6 42	1 36	10 15	1 38	4 42	1 3	10 24	2 4	15 59	0 41	20 18	0 27	11 2	16 42	18 30	18 20	20 41	14 43	2 3										
S 5	16 12	20 46	2 1	16 42	0 17	7 9	1 35	9 59	1 39	4 37	1 3	10 24	2 3	15 58	0 41	20 18	0 27	11 1	16 42	18 30	18 21	20 41	14 44	2 3										
S 6	16 29	19 48	0 48	16 14	0s 0	7 37	1 35	9 43	1 40	4 33	1 3	10 24	2 3	15 58	0 41	20 18	0 27	11 1	16 42	18 31	18 22	20 42	14 45	2 3										
M 7	16 45	17 37	0n26	15 47	0 18	8 4	1 34	9 27	1 41	4 29	1 4	10 24	2 3	15 58	0 41	20 18	0 27	11 1	16 43	18 31	18 22	20 42	14 46	2 3										
T 8	17 2	14 25	1 38	15 19	0 35	8 32	1 33	9 11	1 42	4 25	1 4	10 24	2 3	15 58	0 41	20 18	0 27	11 0	16 43	18 31	18 23	20 42	14 47	2 3										
W 9	17 18	10 30	2 43	14 52	0 52	8 59	1 32	8 54	1 42	4 21	1 4	10 24	2 3	15 58	0 41	20 18	0 27	11 0	16 43	18 31	18 24	20 42	14 49	2 3										
T 10	17 34	6 6	3 38	14 26	1 9	9 26	1 32	8 38	1 43	4 16	1 4	10 24	2 3	15 57	0 41	20 18	0 27	11 0	16 43	18 32	18 25	20 42	14 50	2 4										
F 11	17 50	1 29	4 20	14 1	1 26	9 52	1 31	8 22	1 44	4 12	1 4	10 23	2 2	15 57	0 41	20 18	0 27	11 0	16 44	18 34	18 26	20 43	14 51	2 4										
S 12	18 5	3s 8	4 48	13 38	1 41	10 19	1 30	8 5	1 45	4 8	1 5	10 23	2 2	15 57	0 41	20 18	0 27	10 59	16 44	18 36	18 27	20 43	14 52	2 4										
S 13	18 20	7 32	5 0	13 16	1 56	10 45	1 29	7 49	1 45	4 4	1 5	10 23	2 2	15 57	0 41	20 18	0 27	10 59	16 44	18 39	18 27	20 43	14 53	2 4										
M14	18 35	11 33	4 58	12 56	2 10	11 11	1 28	7 32	1 46	4 0	1 5	10 23	2 2	15 57	0 41	20 18	0 27	10 59	16 44	18 42	18 28	20 43	14 54	2 4										
T 15	18 49	15 0	4 41	12 38	2 24	11 37	1 27	7 16	1 47	3 57	1 5	10 22	2 2	15 57	0 41	20 18	0 27	10 59	16 44	18 45	18 29	20 43	14 55	2 4										
W16	19 3	17 45	4 12	12 22	2 36	12 2	1 26	6 59	1 47	3 53	1 5	10 22	2 2	15 57	0 41	20 18	0 27	10 59	16 45	18 48	18 30	20 44	14 56	2 4										
T 17	19 17	19 41	3 31	12 9	2 47	12 28	1 24	6 43	1 48	3 49	1 6	10 22	2 2	15 57	0 41	20 19	0 27	10 58	16 45	18 50	18 31	20 44	14 57	2 4										
F 18	19 30	20 43	2 42	11 57	2 57	12 53	1 23	6 26	1 49	3 45	1 6	10 21	2 1	15 57	0 41	20 19	0 27	10 58	16 45	18 52	18 31	20 44	14 58	2 4										
S 19	19 43	20 49	1 45	11 49	3 7	13 17	1 22	6 9	1 49	3 41	1 6	10 21	2 1	15 57	0 41	20 19	0 27	10 58	16 45	18 53	18 32	20 44	14 59	2 4										
S 20	19 56	20 0	0 44	11 43	3 15	13 42	1 20	5 53	1 50	3 38	1 6	10 20	2 1	15 56	0 42	20 19	0 27	10 58	16 46	18 53	18 33	20 44	15 0	2 5										
M21	20 9	18 18	0s18	11 39	3 22	14 6	1 19	5 36	1 51	3 34	1 7	10 20	2 1	15 56	0 42	20 19	0 27	10 58	16 46	18 53	18 34	20 44	15 1	2 5										
T 22	20 21	15 48	1 21	11 37	3 28	14 29	1 17	5 19	1 52	3 31	1 7	10 19	2 1	15 56	0 42	20 19	0 27	10 58	16 46	18 53	18 35	20 45	15 3	2 5										
W23	20 32	12 35	2 22	11 38	3 33	14 53	1 16	5 3	1 52	3 27	1 7	10 19	2 1	15 57	0 42	20 19	0 27	10 57	16 47	18 53	18 35	20 45	15 4	2 5										
T 24	20 44	8 44	3 17	11 42	3 36	15 16	1 14	4 46	1 53	3 24	1 7	10 18	2 0	15 57	0 42	20 19	0 27	10 57	16 47	18 53	18 36	20 45	15 5	2 5										
F 25	20 55	4 25	4 3	11 47	3 39	15 38	1 12	4 29	1 53	3 20	1 8	10 17	2 0	15 57	0 42	20 20	0 27	10 57	16 47	18 54	18 37	20 45	15 6	2 5										
S 26	21 6	0n15	4 39	11 54	3 41	16 0	1 11	4 12	1 54	3 17	1 8	10 17	2 0	15 57	0 42	20 20	0 27	10 57	16 47	18 55	18 38	20 45	15 7	2 5										
S 27	21 16	5 4	5 0	12 4	3 42	16 22	1 9	3 55	1 55	3 13	1 8	10 16	2 0	15 57	0 42	20 20	0 27	10 57	16 48	18 57	18 39	20 45	15 8	2 5										
M28	21 26	9 46	5 4	12 15	3 43	16 44	1 7	3 38	1 55	3 10	1 8	10 15	2 0	15 57	0 42	20 20	0 27	10 57	16 48	18 59	18 39	20 45	15 9	2 5										
T 29	21 35	14 3	4 49	12 29	3 42	17 5	1 5	3 22	1 56	3 7	1 8	10 14	2 0	15 57	0 42	20 20	0 27	10 57	16 48	19 1	18 40	20 46	15 10	2 6										
W30	21 45	17 34	4 15	12 44	3 40	17 25	1 4	3 5	1 57	3 4	1 9	10 13	2 0	15 57	0 42	20 20	0 27	10 57	16 49	19 3	18 41	20 46	15 11	2 6										
T 31	21n53	19n56	3s22	13n 1	3s38	17n46	1s 2	2s48	1s57	3s 1	1s 9	10n12	1n59	15s57	0s42	20s21	0n27	10s57	16s49	19n 5	18n42	20s46	15n12	2s 6										

ASTRODIENST EPHEMERIS for the year 1832

geocentric

JUNE 1832

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	16 37 54	10 ^{II} 26'28	8 [☾] 34	16 [♂] 23	25 [♂] 5	28 [♂] 12	25 [♂] 13	8 [♂] 37	18 [♂] R31	26 [♂] R55	11 [♂] Y26	4 [♂] R43	6 [♂] Ω19	14 [♂] ☾27	18 [♂] 4	F 1
S 2	16 41 51	11°23'56	23°26	17°20	26°18	28°55	25°21	8°39	18 [♂] ≈30	26 [♂] ☾54	11°27	4 [♂] Ω41	6°16	14°33	18°8	S 2
S 3	16 45 47	12°21'23	8 [♂] 3	18°21	27°32	29°39	25°29	8°42	18°30	26°53	11°28	4°D40	6°13	14°40	18°12	S 3
M 4	16 49 44	13°18'48	22°21	19°25	28°45	0 [♂] Y22	25°37	8°44	18°29	26°52	11°29	4°41	6°10	14°47	18°16	M 4
T 5	16 53 40	14°16'12	6 [♂] 20	20°33	29°58	1°5	25°45	8°47	18°29	26°51	11°30	4°42	6°6	14°53	18°20	T 5
W 6	16 57 37	15°13'35	19°58	21°43	1 ^{II} 12	1°49	25°52	8°49	18°28	26°50	11°30	4°R42	6°3	15°0	18°24	W 6
T 7	17 1 33	16°10'57	3 [♂] 18	22°57	2°25	2°32	26°0	8°52	18°27	26°49	11°31	4°40	6°0	15°7	18°27	T 7
F 8	17 5 30	17°8'17	16°20	24°14	3°38	3°15	26°7	8°55	18°27	26°47	11°32	4°37	5°57	15°13	18°31	F 8
S 9	17 9 27	18°5'37	29°8	25°34	4°52	3°58	26°14	8°58	18°26	26°46	11°32	4°32	5°54	15°20	18°35	S 9
S 10	17 13 23	19°2'56	11 ^{II} 42	26°57	6°5	4°41	26°21	9°1	18°25	26°45	11°33	4°25	5°51	15°27	18°39	S 10
M 11	17 17 20	20°0'14	24°5	28°23	7°18	5°24	26°28	9°4	18°24	26°44	11°34	4°17	5°47	15°33	18°43	M 11
T 12	17 21 16	20°57'31	6 [♂] 18	29°52	8°32	6°7	26°34	9°7	18°23	26°43	11°34	4°9	5°44	15°40	18°46	T 12
W 13	17 25 13	21°54'47	18°22	1 ^{II} 24	9°45	6°50	26°41	9°10	18°22	26°41	11°35	4°2	5°41	15°47	18°50	W 13
T 14	17 29 9	22°52'03	0 [♂] ☾19	2°59	10°59	7°33	26°47	9°14	18°21	26°40	11°36	3°56	5°38	15°53	18°54	T 14
F 15	17 33 6	23°49'18	12°10	4°37	12°12	8°15	26°54	9°17	18°20	26°39	11°36	3°52	5°35	16°0	18°57	F 15
S 16	17 37 3	24°46'33	23°58	6°17	13°25	8°58	27°0	9°21	18°19	26°38	11°37	3°50	5°32	16°7	19°1	S 16
S 17	17 40 59	25°43'48	5 [♂] 45	8°1	14°39	9°41	27°5	9°25	18°18	26°36	11°37	3°D49	5°28	16°13	19°4	S 17
M 18	17 44 56	26°41'02	17°36	9°47	15°52	10°23	27°11	9°28	18°17	26°35	11°38	3°50	5°25	16°20	19°8	M 18
T 19	17 48 52	27°38'16	29°32	11°36	17°6	11°5	27°17	9°32	18°16	26°34	11°38	3°52	5°22	16°27	19°12	T 19
W 20	17 52 49	28°35'29	11 [♂] 40	13°28	18°19	11°48	27°22	9°36	18°15	26°32	11°39	3°53	5°19	16°33	19°15	W 20
T 21	17 56 45	29°32'43	24°4	15°22	19°32	12°30	27°27	9°40	18°13	26°31	11°39	3°R54	5°16	16°40	19°18	T 21
F 22	18 0 42	0 [♂] ☾29'56	6 [♂] Y48	17°19	20°46	13°12	27°32	9°44	18°12	26°29	11°40	3°54	5°12	16°47	19°22	F 22
S 23	18 4 38	1°27'09	19°56	19°18	21°59	13°54	27°37	9°48	18°11	26°28	11°40	3°53	5°9	16°53	19°25	S 23
S 24	18 8 35	2°24'23	3 [♂] 32	21°20	23°13	14°36	27°42	9°52	18°9	26°26	11°41	3°50	5°6	17°0	19°29	S 24
M 25	18 12 32	3°21'36	17°36	23°23	24°26	15°18	27°46	9°57	18°8	26°25	11°41	3°46	5°3	17°6	19°32	M 25
T 26	18 16 28	4°18'49	2 ^{II} 6	25°28	25°40	16°0	27°51	10°1	18°6	26°24	11°41	3°42	5°0	17°13	19°35	T 26
W 27	18 20 25	5°16'03	16°57	27°35	26°54	16°41	27°55	10°6	18°5	26°22	11°42	3°38	4°57	17°20	19°39	W 27
T 28	18 24 21	6°13'16	2 [♂] 3	29°43	28°7	17°23	27°59	10°10	18°3	26°21	11°42	3°35	4°53	17°26	19°42	T 28
F 29	18 28 18	7°10'30	17°15	1 [♂] 52	29°21	18°4	28°3	10°15	18°2	26°19	11°42	3°33	4°50	17°33	19°45	F 29
S 30	18 32 14	8 [♂] ☾7'43	2 [♂] 21	4 [♂] 2	0 [♂] ☾34	18 [♂] Y46	28 [♂] 6	10 [♂] 20	18 [♂] ≈0	26 [♂] ☾18	11 [♂] Y43	3°D32	4 [♂] Ω47	17 [♂] ☾40	19 [♂] ☾48	S 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
F 1	22n 2	20n56	2s16	13n19	3s35	18n 5	1s 0	2s31	1s58	2s58	1s 9	10n11	1n59	15s57	0s42	20s21
S 2	22 10	20 26	1 0	13 39	3 31	18 25	0 58	2 14	1 58	2 55	1 9	10 10	1 59	15 58	0 42	20 21
S 3	22 18	18 34	0n18	14 0	3 27	18 43	0 56	1 58	1 59	2 52	1 10	10 9	1 59	15 58	0 42	20 21
M 4	22 25	15 33	1 34	14 22	3 22	19 2	0 54	1 41	1 59	2 49	1 10	10 8	1 59	15 58	0 42	20 21
T 5	22 32	11 42	2 42	14 45	3 16	19 19	0 51	1 24	2 0	2 46	1 10	10 7	1 59	15 58	0 42	20 22
W 6	22 38	7 20	3 40	15 10	3 9	19 37	0 49	1 7	2 1	2 43	1 11	10 6	1 58	15 58	0 42	20 22
T 7	22 45	2 43	4 24	15 35	3 2	19 53	0 47	0 51	2 1	2 41	1 11	10 5	1 58	15 59	0 42	20 22
F 8	22 50	1s55	4 53	16 1	2 55	20 10	0 45	0 34	2 2	2 38	1 11	10 4	1 58	15 59	0 42	20 22
S 9	22 56	6 23	5 7	16 28	2 47	20 25	0 43	0 17	2 2	2 35	1 11	10 2	1 58	15 59	0 42	20 22
S 10	23 0	10 30	5 6	16 56	2 38	20 41	0 41	0 1	2 3	2 33	1 12	10 1	1 58	15 59	0 42	20 23
M 11	23 5	14 7	4 50	17 24	2 29	20 55	0 38	0n16	2 3	2 30	1 12	10 0	1 58	16 0	0 42	20 23
T 12	23 9	17 5	4 22	17 52	2 19	21 9	0 36	0 32	2 4	2 28	1 12	9 58	1 58	16 0	0 42	20 23
W 13	23 13	19 16	3 42	18 21	2 9	21 23	0 34	0 49	2 4	2 26	1 12	9 57	1 57	16 0	0 42	20 23
T 14	23 16	20 36	2 52	18 49	1 59	21 35	0 31	1 5	2 5	2 23	1 13	9 56	1 57	16 1	0 42	20 24
F 15	23 19	20 59	1 55	19 18	1 49	21 48	0 29	1 22	2 5	2 21	1 13	9 54	1 57	16 1	0 42	20 24
S 16	23 21	20 27	0 53	19 46	1 38	21 59	0 27	1 38	2 5	2 19	1 13	9 53	1 57	16 1	0 43	20 24
S 17	23 23	19 1	0s11	20 14	1 27	22 10	0 24	1 54	2 6	2 17	1 13	9 51	1 57	16 2	0 43	20 24
M 18	23 25	16 45	1 15	20 42	1 15	22 21	0 22	2 11	2 6	2 15	1 14	9 50	1 57	16 2	0 43	20 25
T 19	23 26	13 46	2 16	21 8	1 4	22 31	0 20	2 27	2 7	2 13	1 14	9 48	1 57	16 3	0 43	20 25
W 20	23 27	10 9	3 12	21 34	0 52	22 40	0 17	2 43	2 7	2 11	1 14	9 46	1 56	16 3	0 43	20 25
T 21	23 28	6 2	4 1	21 59	0 41	22 48	0 15	2 59	2 7	2 9	1 15	9 45	1 56	16 3	0 43	20 25
F 22	23 28	1 34	4 39	22 22	0 29	22 56	0 12	3 15	2 8	2 7	1 15	9 43	1 56	16 4	0 43	20 26
S 23	23 27	3n 6	5 4	22 44	0 17	23 3	0 10	3 31	2 8	2 6	1 15	9 41	1 56	16 4	0 43	20 26
S 24	23 26	7 47	5 13	23 4	0 6	23 10	0 7	3 47	2 9	2 4	1 15	9 40	1 56	16 5	0 43	20 26
M 25	23 25	12 13	5 4	23 23	0n 5	23 16	0 5	4 3	2 9	2 3	1 16	9 38	1 56	16 5	0 43	20 26
T 26	23 23	16 5	4 36	23 39	0 16	23 21	0 3	4 19	2 9	2 1	1 16	9 36	1 56	16 6	0 43	20 27
W 27	23 21	19 2	3 48	23 53	0 26	23 25	0 0	4 34	2 9	2 0	1 16	9 34	1 56	16 6	0 43	20 27
T 28	23 19	20 42	2 45	24 4	0 37	23 29	0n 2	4 50	2 10	1 58	1 17	9 33	1 55	16 7	0 43	20 27
F 29	23 16	20 53	1 29	24 13	0 46	23 32	0 5	5 5	2 10	1 57	1 17	9 31	1 55	16 7	0 43	20 28
S 30	23n13	19n33	0s 7	24n19	0n55	23n35	0n 7	5n21	2s10	1s56	1s17	9n29	1n55	16s 8	0s43	20s28

Julian Day Number = 2390335.5, Delta T = 9.39 sec

Ecliptic obliquity = 23°27'34, Nutation = - 0°00'15, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 22°24'01, Lahiri = 21°31'01

ASTRODIENST EPHEMERIS for the year 1832

geocentric

JULY 1832

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 36 11	9 ⁵⁶ 4'56	17 ¹² 14	6 ⁵⁶ 13	1 ⁵⁶ 48	19 ¹⁷ 27	28 ¹⁸ 10	10 ¹⁷ 24	17 ¹⁸ 58	26 ¹⁸ 16	11 ¹⁷ 43	3 ¹² 33	4 ¹² 44	17 ¹⁸ 46	19 ¹⁸ 51	S 1
M 2	18 40 7	10 ⁵⁶ 2'08	1 ¹⁷ 48	8 ⁵⁶ 23	3 ⁵⁶ 2	20 ⁵⁶ 8	28 ¹⁸ 13	10 ¹⁷ 29	17 ¹⁸ 57	26 ¹⁸ 15	11 ¹⁷ 43	3 ¹² 34	4 ¹² 41	17 ¹⁸ 53	19 ¹⁸ 54	M 2
T 3	18 44 4	10 ⁵⁶ 59'20	15 ⁵⁶ 58	10 ⁵⁶ 33	4 ⁵⁶ 15	20 ⁵⁶ 49	28 ¹⁸ 16	10 ¹⁷ 34	17 ¹⁸ 55	26 ¹⁸ 13	11 ¹⁷ 43	3 ¹² 35	4 ¹² 38	18 ⁵⁶ 0	19 ¹⁸ 57	T 3
W 4	18 48 1	11 ⁵⁶ 56'32	29 ⁵⁶ 44	12 ⁵⁶ 43	5 ⁵⁶ 29	21 ⁵⁶ 30	28 ¹⁸ 19	10 ¹⁷ 39	17 ¹⁸ 53	26 ¹⁸ 11	11 ¹⁷ 43	3 ¹² 36	4 ¹² 34	18 ⁵⁶ 6	20 ⁵⁶ 0	W 4
T 5	18 51 57	12 ⁵⁶ 53'44	13 ⁵⁶ 5	14 ⁵⁶ 53	6 ⁵⁶ 42	22 ⁵⁶ 11	28 ¹⁸ 22	10 ¹⁷ 44	17 ¹⁸ 51	26 ¹⁸ 10	11 ¹⁷ 44	3 ¹² 37	4 ¹² 31	18 ⁵⁶ 13	20 ⁵⁶ 3	T 5
F 6	18 55 54	13 ⁵⁶ 50'56	26 ⁵⁶ 5	17 ⁵⁶ 1	7 ⁵⁶ 56	22 ⁵⁶ 51	28 ¹⁸ 24	10 ¹⁷ 49	17 ¹⁸ 49	26 ¹⁸ 8	11 ¹⁷ 44	3 ¹² 36	4 ¹² 28	18 ⁵⁶ 20	20 ⁵⁶ 6	F 6
S 7	18 59 50	14 ⁵⁶ 48'07	8 ⁵⁶ 45	19 ⁵⁶ 9	9 ⁵⁶ 10	23 ⁵⁶ 32	28 ¹⁸ 27	10 ¹⁷ 55	17 ¹⁸ 48	26 ¹⁸ 7	11 ¹⁷ 44	3 ¹² 35	4 ¹² 25	18 ⁵⁶ 26	20 ⁵⁶ 9	S 7
S 8	19 3 47	15 ⁵⁶ 45'19	21 ⁵⁶ 10	21 ⁵⁶ 15	10 ⁵⁶ 23	24 ⁵⁶ 12	28 ¹⁸ 29	11 ⁵⁶ 0	17 ¹⁸ 46	26 ¹⁸ 5	11 ¹⁷ 44	3 ¹² 33	4 ¹² 22	18 ⁵⁶ 33	20 ⁵⁶ 12	S 8
M 9	19 7 43	16 ⁵⁶ 42'30	3 ⁵⁶ 22	23 ⁵⁶ 20	11 ⁵⁶ 37	24 ⁵⁶ 53	28 ¹⁸ 31	11 ⁵⁶ 5	17 ¹⁸ 44	26 ¹⁸ 4	11 ¹⁷ 44	3 ¹² 31	4 ¹² 18	18 ⁵⁶ 40	20 ⁵⁶ 14	M 9
T 10	19 11 40	17 ⁵⁶ 39'41	15 ⁵⁶ 24	25 ⁵⁶ 24	12 ⁵⁶ 51	25 ⁵⁶ 33	28 ¹⁸ 33	11 ⁵⁶ 11	17 ¹⁸ 42	26 ¹⁸ 2	11 ¹⁷ 44	3 ¹² 28	4 ¹² 15	18 ⁵⁶ 46	20 ⁵⁶ 17	T 10
W 11	19 15 36	18 ⁵⁶ 36'53	27 ⁵⁶ 19	27 ⁵⁶ 26	14 ⁵⁶ 5	26 ⁵⁶ 13	28 ¹⁸ 34	11 ⁵⁶ 16	17 ¹⁸ 40	26 ¹⁸ 0	11 ¹⁷ 44	3 ¹² 26	4 ¹² 12	18 ⁵⁶ 53	20 ⁵⁶ 20	W 11
T 12	19 19 33	19 ⁵⁶ 34'05	9 ⁵⁶ 10	29 ⁵⁶ 26	15 ⁵⁶ 18	26 ⁵⁶ 53	28 ¹⁸ 35	11 ⁵⁶ 22	17 ¹⁸ 38	25 ⁵⁶ 59	11 ¹⁷ 44	3 ¹² 24	4 ¹² 9	19 ⁵⁶ 0	20 ⁵⁶ 22	T 12
F 13	19 23 30	20 ⁵⁶ 31'17	20 ⁵⁶ 58	1 ⁵⁶ 25	16 ⁵⁶ 32	27 ⁵⁶ 32	28 ¹⁸ 37	11 ⁵⁶ 27	17 ¹⁸ 36	25 ⁵⁶ 57	11 ¹⁷ 44	3 ¹² 23	4 ¹² 6	19 ⁵⁶ 6	20 ⁵⁶ 25	F 13
S 14	19 27 26	21 ⁵⁶ 28'29	2 ⁵⁶ 46	3 ⁵⁶ 22	17 ⁵⁶ 46	28 ⁵⁶ 12	28 ¹⁸ 38	11 ⁵⁶ 33	17 ¹⁸ 34	25 ⁵⁶ 56	11 ¹⁷ 44	3 ¹² 23	4 ¹² 3	19 ⁵⁶ 13	20 ⁵⁶ 28	S 14
S 15	19 31 23	22 ⁵⁶ 25'42	14 ⁵⁶ 37	5 ⁵⁶ 17	19 ⁵⁶ 0	28 ⁵⁶ 52	28 ¹⁸ 38	11 ⁵⁶ 39	17 ¹⁸ 32	25 ⁵⁶ 54	11 ¹⁷ 44	3 ¹² 23	3 ⁵⁶ 59	19 ⁵⁶ 20	20 ⁵⁶ 30	S 15
M 16	19 35 19	23 ⁵⁶ 22'56	26 ⁵⁶ 32	7 ⁵⁶ 10	20 ⁵⁶ 13	29 ⁵⁶ 31	28 ¹⁸ 39	11 ⁵⁶ 44	17 ¹⁸ 30	25 ⁵⁶ 52	11 ¹⁷ 44	3 ¹² 24	3 ⁵⁶ 56	19 ⁵⁶ 26	20 ⁵⁶ 32	M 16
T 17	19 39 16	24 ⁵⁶ 20'09	8 ⁵⁶ 35	9 ⁵⁶ 2	21 ⁵⁶ 27	0 ⁵⁶ 10	28 ¹⁸ 39	11 ⁵⁶ 50	17 ¹⁸ 28	25 ⁵⁶ 51	11 ¹⁷ 44	3 ¹² 25	3 ⁵⁶ 53	19 ⁵⁶ 33	20 ⁵⁶ 35	T 17
W 18	19 43 12	25 ⁵⁶ 17'24	20 ⁵⁶ 48	10 ⁵⁶ 51	22 ⁵⁶ 41	0 ⁵⁶ 49	28 ¹⁸ 40	11 ⁵⁶ 56	17 ¹⁸ 25	25 ⁵⁶ 49	11 ¹⁷ 44	3 ¹² 26	3 ⁵⁶ 50	19 ⁵⁶ 39	20 ⁵⁶ 37	W 18
T 19	19 47 9	26 ⁵⁶ 14'39	3 ⁵⁶ 16	12 ⁵⁶ 39	23 ⁵⁶ 55	1 ⁵⁶ 28	28 ¹⁸ 40	12 ⁵⁶ 2	17 ¹⁸ 23	25 ⁵⁶ 47	11 ¹⁷ 44	3 ¹² 26	3 ⁵⁶ 47	19 ⁵⁶ 46	20 ⁵⁶ 39	T 19
F 20	19 51 5	27 ⁵⁶ 11'55	16 ⁵⁶ 1	14 ⁵⁶ 25	25 ⁵⁶ 9	2 ⁵⁶ 7	28 ¹⁸ 40	12 ⁵⁶ 8	17 ¹⁸ 21	25 ⁵⁶ 46	11 ¹⁷ 43	3 ¹² 27	3 ⁵⁶ 44	19 ⁵⁶ 53	20 ⁵⁶ 42	F 20
S 21	19 55 2	28 ⁵⁶ 9'12	29 ⁵⁶ 6	16 ⁵⁶ 10	26 ⁵⁶ 23	2 ⁵⁶ 45	28 ¹⁸ 39	12 ⁵⁶ 14	17 ¹⁸ 19	25 ⁵⁶ 44	11 ¹⁷ 43	3 ¹² 27	3 ⁵⁶ 40	19 ⁵⁶ 59	20 ⁵⁶ 44	S 21
S 22	19 58 59	29 ⁵⁶ 6'30	12 ⁵⁶ 36	17 ⁵⁶ 52	27 ⁵⁶ 36	3 ⁵⁶ 24	28 ¹⁸ 39	12 ⁵⁶ 20	17 ¹⁸ 17	25 ⁵⁶ 43	11 ¹⁷ 43	3 ¹² 27	3 ⁵⁶ 37	20 ⁵⁶ 6	20 ⁵⁶ 46	S 22
M 23	20 2 55	0 ⁵⁶ 3'49	26 ⁵⁶ 30	19 ⁵⁶ 33	28 ⁵⁶ 50	4 ⁵⁶ 2	28 ¹⁸ 38	12 ⁵⁶ 26	17 ¹⁸ 14	25 ⁵⁶ 41	11 ¹⁷ 43	3 ¹² 26	3 ⁵⁶ 34	20 ⁵⁶ 13	20 ⁵⁶ 48	M 23
T 24	20 6 52	1 ⁵⁶ 1'09	10 ⁵⁶ 49	21 ⁵⁶ 12	0 ⁵⁶ 4	4 ⁵⁶ 40	28 ¹⁸ 37	12 ⁵⁶ 33	17 ¹⁸ 12	25 ⁵⁶ 39	11 ¹⁷ 42	3 ¹² 26	3 ⁵⁶ 31	20 ⁵⁶ 19	20 ⁵⁶ 50	T 24
W 25	20 10 48	1 ⁵⁶ 58'29	25 ⁵⁶ 30	22 ⁵⁶ 49	1 ⁵⁶ 18	5 ⁵⁶ 18	28 ¹⁸ 36	12 ⁵⁶ 39	17 ¹⁸ 10	25 ⁵⁶ 38	11 ¹⁷ 42	3 ¹² 26	3 ⁵⁶ 28	20 ⁵⁶ 26	20 ⁵⁶ 52	W 25
T 26	20 14 45	2 ⁵⁶ 55'51	10 ⁵⁶ 28	24 ⁵⁶ 25	2 ⁵⁶ 32	5 ⁵⁶ 55	28 ¹⁸ 34	12 ⁵⁶ 45	17 ¹⁸ 8	25 ⁵⁶ 36	11 ¹⁷ 42	3 ¹² 26	3 ⁵⁶ 24	20 ⁵⁶ 33	20 ⁵⁶ 54	T 26
F 27	20 18 41	3 ⁵⁶ 53'14	25 ⁵⁶ 35	25 ⁵⁶ 58	3 ⁵⁶ 46	6 ⁵⁶ 33	28 ¹⁸ 33	12 ⁵⁶ 52	17 ¹⁸ 5	25 ⁵⁶ 34	11 ¹⁷ 42	3 ¹² 26	3 ⁵⁶ 21	20 ⁵⁶ 39	20 ⁵⁶ 56	F 27
S 28	20 22 38	4 ⁵⁶ 50'37	10 ⁵⁶ 44	27 ⁵⁶ 30	5 ⁵⁶ 0	7 ⁵⁶ 10	28 ¹⁸ 31	12 ⁵⁶ 58	17 ¹⁸ 3	25 ⁵⁶ 33	11 ¹⁷ 41	3 ¹² 26	3 ⁵⁶ 18	20 ⁵⁶ 46	20 ⁵⁶ 58	S 28
S 29	20 26 34	5 ⁵⁶ 48'01	25 ⁵⁶ 43	29 ⁵⁶ 0	6 ⁵⁶ 14	7 ⁵⁶ 47	28 ¹⁸ 29	13 ⁵⁶ 5	17 ¹⁸ 1	25 ⁵⁶ 31	11 ¹⁷ 41	3 ¹² 26	3 ⁵⁶ 15	20 ⁵⁶ 53	20 ⁵⁶ 59	S 29
M 30	20 30 31	6 ⁵⁶ 45'26	10 ⁵⁶ 27	0 ⁵⁶ 28	7 ⁵⁶ 28	8 ⁵⁶ 24	28 ¹⁸ 27	13 ⁵⁶ 11	16 ⁵⁶ 58	25 ⁵⁶ 30	11 ¹⁷ 41	3 ¹² 26	3 ⁵⁶ 12	20 ⁵⁶ 59	21 ⁵⁶ 1	M 30
T 31	20 34 28	7 ⁵⁶ 42'52	24 ⁵⁶ 47	1 ⁵⁶ 55	8 ⁵⁶ 42	9 ⁵⁶ 1	28 ¹⁸ 25	13 ⁵⁶ 18	16 ⁵⁶ 56	25 ⁵⁶ 28	11 ¹⁷ 40	3 ¹² 25	3 ⁵⁶ 9	21 ⁵⁶ 6	21 ⁵⁶ 3	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	23n 9	16n52	1n15	24n23	1n 4	23n36	0n 9	5n36	2s11	1s55	1s18	9n27	1n55	16s 8	0s43	20s28
M 2	23 5	13 10	2 30	24 23	1 12	23 37	0 12	5 51	2 11	1 54	1 18	9 25	1 55	16 9	0 43	20 28
T 3	23 0	8 49	3 33	24 21	1 19	23 38	0 14	6 7	2 11	1 53	1 18	9 23	1 55	16 10	0 43	20 29
W 4	22 55	4 7	4 22	24 16	1 25	23 37	0 17	6 22	2 11	1 52	1 18	9 21	1 55	16 10	0 43	20 29
T 5	22 50	0s38	4 56	24 8	1 31	23 36	0 19	6 37	2 12	1 51	1 19	9 19	1 55	16 11	0 43	20 29
F 6	22 44	5 13	5 13	23 58	1 36	23 34	0 21	6 51	2 12	1 51	1 19	9 17	1 55	16 11	0 43	20 30
S 7	22 38	9 28	5 14	23 45	1 40	23 32	0 23	7 6	2 12	1 50	1 19	9 15	1 54	16 12	0 43	20 30
S 8	22 32	13 13	5 1	23 29	1 44	23 29	0 26	7 21	2 12	1 49	1 20	9 13	1 54	16 12	0 43	20 30
M 9	22 25	16 22	4 34	23 11	1 46	23 25	0 28	7 35	2 12	1 49	1 20	9 10	1 54	16 13	0 43	20 31
T 10	22 18	18 46	3 55	22 51	1 48	23 20	0 30	7 50	2 12	1 48	1 20	9 8	1 54	16 14	0 43	20 31
W 11	22 10	20 19	3 7	22 29	1 49	23 15	0 32	8 4	2 13	1 48	1 21	9 6	1 54	16 14	0 43	20 31
T 12	22 2	20 59	2 10	22 5	1 50	23 9	0 35	8 18	2 13	1 48	1 21	9 4	1 54	16 15	0 43	20 32
F 13	21 53	20 42	1 8	21 39	1 50	23 3	0 37	8 32	2 13	1 48	1 21	9 2	1 54	16 16	0 43	20 32
S 14	21 45	19 30	0 3	21 11	1 49	22 55	0 39	8 46	2 13	1 48	1 22	8 59	1 54	16 16	0 43	20 32
S 15	21 35	17 27	1s 2	20 42	1 48	22 47	0 41	9 0	2 13	1 48	1 22	8 57	1 54	16 17	0 43	20 32
M 16	21 26	14 38	2 5	20 12	1 46	22 39	0 43	9 14	2 13	1 48	1 22	8 55	1 54	16 18	0 43	20 33
T 17	21 16	11 11	3 3	19 40	1 43	22 29	0 45	9 28	2 13	1 48	1 22	8 53	1 53	16 18	0 43	20 33
W 18	21 6	7 14	3 54	19 7	1 40	22 19	0 47	9 41	2 13	1 48	1 23	8 50	1 53	16 19	0 43	20 33
T 19	20 55	2 54	4 35	18 34	1 36	22 9	0 49	9 55	2 13	1 48	1 23	8 48	1 53	16 20	0 43	20 34

ASTRODIENST EPHEMERIS for the year 1832

geocentric

AUGUST 1832

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	20 38 24	8♂40'18	8♂42	3♂20	9♂56	9♂37	28°R22	13♂24	16°R54	25°R26	11°R40	3°R25	3♂ 5	21♂13	21♂ 4	W 1
T 2	20 42 21	9°37'45	22°10	4°42	11°10	10°14	28°19	13°31	16°551	25°25	11°39	3♂24	3° 2	21°19	21° 6	T 2
F 3	20 46 17	10°35'12	5♂13	6° 3	12°24	10°50	28°16	13°38	16°49	25°23	11°39	3°D24	2°59	21°26	21° 7	F 3
S 4	20 50 14	11°32'41	17°53	7°22	13°38	11°26	28°13	13°44	16°46	25°22	11°38	3°24	2°56	21°32	21° 9	S 4
S 5	20 54 10	12°30'10	0♂14	8°39	14°53	12° 1	28°10	13°51	16°44	25°20	11°38	3°24	2°53	21°39	21°10	S 5
M 6	20 58 7	13°27'40	12°21	9°53	16° 7	12°37	28° 6	13°58	16°42	25°19	11°37	3°25	2°50	21°46	21°11	M 6
T 7	21 2 3	14°25'10	24°18	11° 6	17°21	13°12	28° 3	14° 5	16°39	25°17	11°37	3°26	2°46	21°52	21°13	T 7
W 8	21 6 0	15°22'42	6♂ 9	12°17	18°35	13°47	27°59	14°12	16°37	25°16	11°36	3°27	2°43	21°59	21°14	W 8
T 9	21 9 57	16°20'15	17°56	13°25	19°49	14°21	27°55	14°19	16°35	25°14	11°36	3°28	2°40	22° 6	21°15	T 9
F 10	21 13 53	17°17'49	29°45	14°31	21° 3	14°56	27°51	14°25	16°32	25°13	11°35	3°R29	2°37	22°12	21°16	F 10
S 11	21 17 50	18°15'23	11♂37	15°34	22°17	15°30	27°46	14°32	16°30	25°11	11°35	3°28	2°34	22°19	21°17	S 11
S 12	21 21 46	19°12'59	23°34	16°35	23°31	16° 4	27°42	14°39	16°27	25°10	11°34	3°28	2°30	22°26	21°18	S 12
M13	21 25 43	20°10'36	5♂39	17°33	24°46	16°38	27°37	14°47	16°25	25° 8	11°33	3°26	2°27	22°32	21°19	M13
T 14	21 29 39	21° 8'15	17°53	18°28	26° 0	17°11	27°32	14°54	16°23	25° 7	11°33	3°24	2°24	22°39	21°20	T 14
W15	21 33 36	22° 5'55	0♂19	19°21	27°14	17°44	27°27	15° 1	16°20	25° 6	11°32	3°21	2°21	22°46	21°20	W15
T 16	21 37 32	23° 3'36	12°57	20°10	28°28	18°17	27°22	15° 8	16°18	25° 4	11°31	3°18	2°18	22°52	21°21	T 16
F 17	21 41 29	24° 1'19	25°50	20°56	29°42	18°50	27°17	15°15	16°15	25° 3	11°30	3°16	2°15	22°59	21°22	F 17
S 18	21 45 26	24°59'04	9♂ 0	21°38	0♂57	19°22	27°11	15°22	16°13	25° 1	11°30	3°14	2°11	23° 6	21°22	S 18
S 19	21 49 22	25°56'50	22°27	22°17	2°11	19°54	27° 6	15°29	16°11	25° 0	11°29	3°D13	2° 8	23°12	21°23	S 19
M20	21 53 19	26°54'38	6♂13	22°52	3°25	20°26	27° 0	15°37	16° 8	24°59	11°28	3°13	2° 5	23°19	21°23	M20
T 21	21 57 15	27°52'28	20°19	23°23	4°39	20°57	26°54	15°44	16° 6	24°57	11°27	3°14	2° 2	23°25	21°24	T 21
W22	22 1 12	28°50'20	4♂42	23°49	5°54	21°29	26°48	15°51	16° 4	24°56	11°27	3°16	1°59	23°32	21°24	W22
T 23	22 5 8	29°48'13	19°22	24°11	7° 8	21°59	26°42	15°59	16° 1	24°55	11°26	3°17	1°55	23°39	21°24	T 23
F 24	22 9 5	0♂46'09	4♂13	24°28	8°22	22°30	26°35	16° 6	15°59	24°54	11°25	3°R17	1°52	23°45	21°25	F 24
S 25	22 13 1	1°44'05	19° 8	24°39	9°37	23° 0	26°29	16°13	15°57	24°52	11°24	3°17	1°49	23°52	21°25	S 25
S 26	22 16 58	2°42'04	3♂59	24°46	10°51	23°30	26°22	16°21	15°55	24°51	11°23	3°14	1°46	23°59	21°25	S 26
M27	22 20 55	3°40'04	18°40	24°R46	12° 5	23°59	26°15	16°28	15°52	24°50	11°22	3°11	1°43	24° 5	21°R25	M27
T 28	22 24 51	4°38'05	3♂ 2	24°41	13°20	24°28	26° 9	16°35	15°50	24°49	11°22	3° 6	1°40	24°12	21°25	T 28
W29	22 28 48	5°36'08	17° 1	24°30	14°34	24°57	26° 2	16°43	15°48	24°48	11°21	3° 2	1°36	24°19	21°25	W29
T 30	22 32 44	6°34'12	0♂34	24°12	15°48	25°25	25°54	16°50	15°46	24°47	11°20	2°57	1°33	24°25	21°24	T 30
F 31	22 36 41	7♂32'18	13♂41	23♂48	17♂ 3	25♂53	25♂47	16♂58	15♂44	24♂46	11♂19	2♂53	1♂30	24♂32	21♂24	F 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	18n 7	0n58	4n49	10n26	0n 9	18n54	1n10	12n37	2s12	1s59	1s27	8n16	1n52	16s29	0s44	20s38
T 2	17 51	3s49	5 12	9 47	0s 0	18 35	1 12	12 49	2 12	2 0	1 27	8 13	1 52	16 29	0 44	20 38
F 3	17 36	8 17	5 17	9 9	0 10	18 16	1 13	13 0	2 11	2 1	1 27	8 10	1 52	16 30	0 44	20 38
S 4	17 20	12 15	5 8	8 31	0 19	17 56	1 14	13 11	2 11	2 3	1 28	8 8	1 52	16 31	0 44	20 39
S 5	17 4	15 36	4 44	7 53	0 29	17 35	1 15	13 23	2 11	2 5	1 28	8 5	1 52	16 32	0 44	20 39
M 6	16 48	18 12	4 7	7 16	0 39	17 14	1 16	13 34	2 11	2 6	1 28	8 2	1 52	16 32	0 44	20 39
T 7	16 31	20 0	3 21	6 39	0 49	16 53	1 17	13 44	2 10	2 8	1 29	8 0	1 52	16 33	0 44	20 39
W 8	16 14	20 53	2 26	6 3	0 59	16 31	1 18	13 55	2 10	2 10	1 29	7 57	1 52	16 34	0 44	20 40
T 9	15 57	20 51	1 25	5 27	1 9	16 8	1 19	14 6	2 10	2 11	1 29	7 54	1 52	16 35	0 44	20 40
F 10	15 40	19 53	0 21	4 52	1 20	15 46	1 20	14 16	2 9	2 13	1 29	7 52	1 52	16 35	0 44	20 40
S 11	15 22	18 2	0s45	4 18	1 30	15 22	1 21	14 26	2 9	2 15	1 30	7 49	1 52	16 36	0 44	20 41
S 12	15 4	15 23	1 49	3 45	1 41	14 59	1 22	14 36	2 9	2 17	1 30	7 46	1 52	16 37	0 44	20 41
M13	14 46	12 4	2 49	3 12	1 52	14 34	1 22	14 46	2 8	2 19	1 30	7 43	1 52	16 37	0 44	20 41
T 14	14 28	8 11	3 42	2 41	2 2	14 10	1 23	14 56	2 8	2 22	1 30	7 41	1 52	16 38	0 44	20 41
W15	14 9	3 55	4 25	2 11	2 13	13 45	1 24	15 6	2 8	2 24	1 31	7 38	1 52	16 39	0 44	20 42
T 16	13 51	0n35	4 56	1 42	2 24	13 20	1 24	15 15	2 7	2 26	1 31	7 35	1 52	16 40	0 44	20 42
F 17	13 32	5 8	5 13	1 14	2 34	12 54	1 24	15 25	2 7	2 29	1 31	7 32	1 52	16 40	0 44	20 42
S 18	13 12	9 33	5 14	0 48	2 45	12 28	1 25	15 34	2 6	2 31	1 31	7 29	1 52	16 41	0 44	20 43
S 19	12 53	13 36	4 58	0 23	2 55	12 2	1 25	15 43	2 6	2 33	1 32	7 27	1 52	16 42	0 44	20 43
M20	12 33	17 1	4 25	0s 0	3 5	11 35	1 25	15 52	2 5	2 36	1 32	7 24	1 52	16 42	0 44	20 43
T 21	12 13	19 32	3 35	0 21	3 15	11 8	1 25	16 1	2 4	2 38	1 32	7 21	1 52	16 43	0 44	20 43
W22	11 53	20 52	2 31	0 41	3 25	10 41	1 26	16 9	2 4	2 41	1 32	7 18	1 52	16 44	0 44	20 44
T 23	11 33	20 49	1 16	0 58	3 34	10 13	1 26	16 18	2 3	2 44	1 32	7 15	1 52	16 44	0 44	20 44
F 24	11 13	19 18	0n 5	1 12	3 43	9 46	1 26	16 26	2 3	2 46	1 33	7 12	1 52	16 45	0 44	20 44
S 25	10 52	16 28	1 26	1 24	3 51	9 17	1 25	16 34	2 2	2 49	1 33	7 9	1 52	16 46	0 44	20 44
S 26	10 31	12 33	2 41	1 34	3 58	8 49	1 25	16 42	2 1	2 52	1 33	7 7	1 52	16 46	0 44	20 45
M27	10 10	7 55	3 43	1 40	4 5	8 21	1 25	16 50	2 1	2 55	1 33	7 4	1 52	16 47	0 44	20 45
T 28	9 49	2 56	4 31	1 44	4 11	7 52	1 25	16 58	2 0	2 58	1 33	7 1	1 52	16 48	0 44	20 45
W29	9 28	2s 4	5 0	1 44	4 16	7 23	1 24	17 5	1 59	3 1	1 33	6 58	1 52	16 48	0 44	20 45
T 30	9 6	6 48	5 12	1 40	4 20	6 54	1 24	17 13	1 59	3 4	1 34	6 55	1 52	16 49	0 44	20 45
F 31	8n45	11s 4	5n 7	1s34	4s23	6n24	1n23	17n20	1s58	3s 7	1s34	6n52	1n52	16s50	0s44	20s46

Julian Day Number = 2390396.5, Delta T = 9.31 sec

Ecliptic obliquity = 23°27'35", Nutation = - 0°00'13", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 22°24'09", Lahiri = 21°31'10"

ASTRODIENST EPHEMERIS for the year 1832

geocentric

SEPTEMBER 1832

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 40 37	8♐30'25	26♐24	23°R18	18♐17	26♐20	25°R40	17♐5	15°R41	24°R44	11°R18	2°R51	1♐27	24♐39	21°R24	S 1
S 2	22 44 34	9°28'34	8♐46	22♐43	19°31	26°48	25♐33	17°13	15°39	24♐43	11°Y17	2°D50	1°24	24°45	21♐24	S 2
M 3	22 48 30	10°26'44	20°52	22°1	20°46	27°14	25°25	17°20	15°37	24°42	11°16	2♐51	1°21	24°52	21°23	M 3
T 4	22 52 27	11°24'56	2♐47	21°14	22°0	27°40	25°18	17°28	15°35	24°41	11°15	2°52	1°17	24°59	21°23	T 4
W 5	22 56 24	12°23'09	14°36	20°22	23°14	28°6	25°10	17°35	15°33	24°40	11°14	2°54	1°14	25°5	21°22	W 5
T 6	23 0 20	13°21'24	26°24	19°26	24°29	28°32	25°3	17°43	15°31	24°40	11°13	2°55	1°11	25°12	21°22	T 6
F 7	23 4 17	14°19'40	8♐15	18°28	25°43	28°57	24°55	17°50	15°29	24°39	11°12	2°R55	1°8	25°18	21°21	F 7
S 8	23 8 13	15°17'58	20°12	17°28	26°57	29°21	24°47	17°58	15°27	24°38	11°11	2°54	1°5	25°25	21°20	S 8
S 9	23 12 10	16°16'18	2♐19	16°27	28°12	29°45	24°39	18°5	15°25	24°37	11°10	2°50	1°1	25°32	21°19	S 9
M10	23 16 6	17°14'39	14°37	15°27	29°26	0♐9	24°31	18°13	15°23	24°36	11°9	2°44	0°58	25°38	21°18	M10
T 11	23 20 3	18°13'02	27°8	14°29	0♐41	0°32	24°24	18°20	15°21	24°35	11°8	2°37	0°55	25°45	21°18	T 11
W12	23 23 59	19°11'27	9♐52	13°36	1°55	0°55	24°16	18°28	15°19	24°34	11°7	2°29	0°52	25°52	21°17	W12
T 13	23 27 56	20°9'54	22°49	12°47	3°9	1°17	24°8	18°35	15°18	24°34	11°6	2°21	0°49	25°58	21°16	T 13
F 14	23 31 52	21°8'23	5♐59	12°4	4°24	1°38	24°0	18°43	15°16	24°33	11°5	2°13	0°46	26°5	21°14	F 14
S 15	23 35 49	22°6'54	19°22	11°29	5°38	2°0	23°52	18°50	15°14	24°32	11°4	2°7	0°42	26°12	21°13	S 15
S 16	23 39 46	23°5'28	2♐56	11°2	6°52	2°20	23°44	18°58	15°12	24°32	11°2	2°3	0°39	26°18	21°12	S 16
M17	23 43 42	24°4'04	16°42	10°45	8°7	2°40	23°36	19°5	15°11	24°31	11°1	2°1	0°36	26°25	21°11	M17
T 18	23 47 39	25°2'42	0♐40	10°D36	9°21	2°59	23°28	19°13	15°9	24°30	11°0	2°D1	0°33	26°32	21°9	T 18
W19	23 51 35	26°1'22	14°49	10°38	10°36	3°18	23°20	19°20	15°7	24°30	10°59	2°2	0°30	26°38	21°8	W19
T 20	23 55 32	27°0'05	29°8	10°49	11°50	3°37	23°12	19°28	15°6	24°29	10°58	2°R3	0°27	26°45	21°7	T 20
F 21	23 59 28	27°58'49	13♐36	11°10	13°5	3°54	23°4	19°35	15°4	24°29	10°57	2°2	0°23	26°51	21°5	F 21
S 22	0 3 25	28°57'36	28°7	11°40	14°19	4°11	22°56	19°43	15°3	24°28	10°56	2°0	0°20	26°58	21°4	S 22
S 23	0 7 21	29°56'25	12♐38	12°20	15°33	4°28	22°48	19°50	15°1	24°28	10°55	1°55	0°17	27°5	21°2	S 23
M24	0 11 18	0♐55'16	27°2	13°8	16°48	4°43	22°40	19°57	15°0	24°27	10°53	1°47	0°14	27°11	21°0	M24
T 25	0 15 15	1°54'10	11♐13	14°4	18°2	4°58	22°32	20°5	14°58	24°27	10°52	1°38	0°11	27°18	20°59	T 25
W26	0 19 11	2°53'05	25°6	15°7	19°17	5°13	22°24	20°12	14°57	24°27	10°51	1°28	0°7	27°25	20°57	W26
T 27	0 23 8	3°52'02	8♐36	16°17	20°31	5°27	22°17	20°20	14°56	24°26	10°50	1°18	0°4	27°31	20°55	T 27
F 28	0 27 4	4°51'01	21°42	17°33	21°45	5°40	22°9	20°27	14°54	24°26	10°49	1°9	0°1	27°38	20°53	F 28
S 29	0 31 1	5°50'01	4♐26	18°55	23°0	5°52	22°1	20°34	14°53	24°26	10°48	1°2	29♐58	27°45	20°51	S 29
S 30	0 34 57	6♐49'04	16♐49	20♐21	24♐14	6♐4	21♐54	20♐42	14°52	24♐26	10°Y46	0♐58	29♐55	27♐51	20♐49	S 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	8n23	14s43	4n47	1s23	4s24	5n55	1n23	17n27	1s57	3s10	1s34	6n49	1n52	16s50	0s44	20s46	0n26	11s27	17s19	19n32	19n51	20s37	15n48	2s25	
S 2	8 1	17 37	4 13	1 8	4 24	5 25	1 22	17 34	1 56	3 13	1 34	6 46	1 52	16 51	0 44	20 46	0 26	11 28	17 19	19 32	19 52	20 36	15 47	2 25	
M 3	7 39	19 40	3 29	0 50	4 22	4 55	1 22	17 41	1 55	3 16	1 34	6 44	1 52	16 52	0 44	20 46	0 26	11 28	17 20	19 32	19 53	20 36	15 47	2 25	
T 4	7 17	20 49	2 37	0 28	4 18	4 25	1 21	17 48	1 54	3 19	1 34	6 41	1 52	16 52	0 44	20 46	0 26	11 29	17 20	19 32	19 53	20 36	15 47	2 25	
W 5	6 55	21 2	1 38	0 3	4 12	3 55	1 20	17 55	1 54	3 22	1 34	6 38	1 52	16 53	0 44	20 47	0 26	11 30	17 20	19 32	19 54	20 35	15 46	2 26	
T 6	6 33	20 19	0 35	0n26	4 5	3 24	1 19	18 1	1 53	3 25	1 35	6 35	1 52	16 53	0 43	20 47	0 26	11 30	17 20	19 31	19 55	20 35	15 46	2 26	
F 7	6 10	18 41	0s29	0 57	3 55	2 54	1 18	18 7	1 52	3 28	1 35	6 32	1 52	16 54	0 43	20 47	0 26	11 31	17 20	19 31	19 55	20 35	15 46	2 26	
S 8	5 48	16 14	1 32	1 31	3 44	2 23	1 17	18 14	1 51	3 31	1 35	6 29	1 52	16 55	0 43	20 47	0 26	11 31	17 20	19 32	19 56	20 34	15 45	2 26	
S 9	5 25	13 2	2 33	2 7	3 31	1 53	1 16	18 20	1 50	3 35	1 35	6 26	1 52	16 55	0 43	20 47	0 26	11 32	17 21	19 33	19 57	20 34	15 45	2 27	
M10	5 3	9 14	3 26	2 44	3 16	1 22	1 15	18 26	1 49	3 38	1 35	6 23	1 52	16 56	0 43	20 48	0 26	11 32	17 21	19 34	19 58	20 34	15 44	2 27	
T 11	4 40	4 59	4 11	3 21	2 59	0 51	1 14	18 32	1 48	3 41	1 35	6 20	1 52	16 56	0 43	20 48	0 26	11 33	17 21	19 35	19 58	20 33	15 44	2 27	
W12	4 17	0 27	4 44	3 58	2 42	0 21	1 12	18 37	1 47	3 44	1 35	6 17	1 52	16 57	0 43	20 48	0 26	11 33	17 21	19 37	19 59	20 33	15 43	2 27	
T 13	3 54	4n11	5 3	4 34	2 23	0s10	1 11	18 43	1 45	3 47	1 35	6 14	1 52	16 57	0 43	20 48	0 26	11 34	17 21	19 39	20 0	20 33	15 43	2 28	
F 14	3 31	8 42	5 7	5 8	2 4	0 41	1 10	18 48	1 44	3 51	1 35	6 12	1 52	16 58	0 43	20 48	0 26	11 34	17 21	19 41	20 0	20 32	15 42	2 28	
S 15	3 8	12 52	4 54	5 40	1 44	1 12	1 8	18 54	1 43	3 54	1 35	6 9	1 52	16 58	0 43	20 48	0 26	11 35	17 21	19 42	20 1	20 32	15 42	2 28	
S 16	2 45	16 26	4 24	6 8	1 24	1 42	1 7	18 59	1 42	3 57	1 35	6 6	1 53	16 59	0 43	20 48	0 26	11 36	17 22	19 43	20 2	20 31	15 41	2 28	
M17	2 21	19 10	3 39	6 33	1 4	2 13	1 5	19 4	1 41	4 0	1 35	6 3	1 53	16 59	0 43	20 49	0 26	11 36	17 22	19 44	20 2	20 31	15 41	2 29	
T 18	1 58	20 47	2 41	6 54	0 45	2 44	1 4	19 9	1 39	4 4	1 35	6 0	1 53	17 0	0 43	20 49	0 26	11 37	17 22	19 44	20 3	20 31	15 40	2 29	
W19	1 35	21 7	1 31	7 11	0 26	3 15	1 2	19 14	1 38	4 7	1 35	5 57	1 53	17 0	0 43	20 49	0 26	11 37	17 22	19 43	20 4	20 30	15 40	2 29	
T 20	1 12	20 6	0 16	7 23	0 9	3 45	1 0	19 19	1 37	4 10	1 35	5 54	1 53	17 1	0 43	20 49	0 26	11 38	17 22	19 43	20 4	20 30	15 39	2 29	
F 21	0 48	17 44	1n 2	7 31	0n 8	4 16	0 59	19 23	1 35	4 13	1 35	5 51	1 53	17 1	0 43	20 49	0 26	11 38	17 22	19 43	20 5	20 29	15 38	2 30	
S 22	0 25	14 15	2 15	7 34	0 24	4 47	0 57	19 28	1 34	4 16	1 35	5 49	1 53	17 2	0 43	20 49	0 26	11 39	17 22	19 44	20 6	20 29	15 38	2 30	
S 23	0 1	9 54	3 20	7 32	0 38	5 17	0 55	19 32	1 32	4 19	1 35	5 46	1 53	17 2	0 43	20 49	0 26	11 39	17 22	19 45	20 6	20 29	15 37	2 30	
M24	0s22	5 1	4 11	7 26	0 52	5 47	0 53	19 37	1 31	4 22	1 35	5 43	1 53	17 2	0 43	20 49	0 26	11 40	17 22	19 47	20 7	20 28	15 36	2 30	
T 25	0 45	0s 4	4 45	7 15	1 4	6 18	0 51	19 41	1 29	4 26	1 35	5 40	1 53	17 3	0 43	20 50	0 26	11 40	17 22	19 49	20 8	20 28	15 36	2 30	
W26	1 9	5 2	5 2	7 0	1 14	6 48	0 49	19 45	1 28	4 29	1 35	5 37	1 53	17 3	0 43	20 50	0 26	11 41	17 22	19 51	20 8	20 27	15 35	2 31	
T 27	1 32	9 37	5 2	6 42	1 24	7 18	0 47	19 49	1 26	4 32	1 35	5 34	1 53	17 3	0 43	20 50	0 26	11 41	17 23	19 53	20 9	20 27	15 34	2 31	
F 28	1 56	13 37	4 45	6 20	1 32	7 47	0 45	19 53	1 25	4 35	1 35	5 31	1 53	17 4	0 43	20 50	0 26	11 42	17 23	19 55	20 10	20 27	15 34	2 31	
S 29	2 19	16 52	4 15	5 54	1 38	8 17	0 43	19 56	1 23	4 37	1 35	5 29	1 54	17 4	0 43	20 50	0 26	11 42	17 23	19 57	20 11	20 26	15 33	2 31	
S 30	2s43	19s17	3n33	5n25	1n44	8s46	0n41	20n 0	1s21	4s40	1s35	5n26	1n54	17s 4	0s43	20s50	0n26	11s43	17s23	19n58	20n11	20s26	15n32	2s32	

ASTRODIENST EPHEMERIS for the year 1832

geocentric

OCTOBER 1832

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	0 38 54	7 ^h 48'08"	28 ^h 56'	21 ^h 51'	25 ^h 29'	6 ^h 14'	21 ^h 47'	20 ^h 49'	14 ^h 51'	24 ^h 25'	10 ^h 45'	0 ^h 56'	29 ^h 52'	27 ^h 58'	20 ^h 47'	M 1
T 2	0 42 50	8 ^h 47'15"	10 ^h 51'	23 ^h 24'	26 ^h 43'	6 ^h 25'	21 ^h 39'	20 ^h 56'	14 ^h 50'	24 ^h 25'	10 ^h 44'	0 ^h 55'	29 ^h 48'	28 ^h 5'	20 ^h 45'	T 2
W 3	0 46 47	9 ^h 46'23"	22 ^h 40'	25 ^h 0'	27 ^h 57'	6 ^h 34'	21 ^h 32'	21 ^h 4'	14 ^h 49'	24 ^h 25'	10 ^h 43'	0 ^h 56'	29 ^h 45'	28 ^h 11'	20 ^h 43'	W 3
T 4	0 50 44	10 ^h 45'32"	4 ^h 48'	26 ^h 39'	29 ^h 12'	6 ^h 43'	21 ^h 25'	21 ^h 11'	14 ^h 48'	24 ^h 25'	10 ^h 42'	0 ^h 56'	29 ^h 42'	28 ^h 18'	20 ^h 41'	T 4
F 5	0 54 40	11 ^h 44'44"	16 ^h 21'	28 ^h 19'	0 ^h 26'	6 ^h 50'	21 ^h 18'	21 ^h 18'	14 ^h 47'	24 ^h 25'	10 ^h 41'	0 ^h 55'	29 ^h 39'	28 ^h 24'	20 ^h 38'	F 5
S 6	0 58 37	12 ^h 43'57"	28 ^h 23'	0 ^h 1'	1 ^h 41'	6 ^h 57'	21 ^h 11'	21 ^h 25'	14 ^h 46'	24 ^h 25'	10 ^h 39'	0 ^h 52'	29 ^h 36'	28 ^h 31'	20 ^h 36'	S 6
S 7	1 2 33	13 ^h 43'12"	10 ^h 38'	1 ^h 44'	2 ^h 55'	7 ^h 4'	21 ^h 4'	21 ^h 32'	14 ^h 45'	24 ^h 25'	10 ^h 38'	0 ^h 46'	29 ^h 32'	28 ^h 38'	20 ^h 34'	S 7
M 8	1 6 30	14 ^h 42'29"	23 ^h 9'	3 ^h 28'	4 ^h 9'	7 ^h 9'	20 ^h 57'	21 ^h 40'	14 ^h 44'	24 ^h 25'	10 ^h 37'	0 ^h 37'	29 ^h 29'	28 ^h 44'	20 ^h 32'	M 8
T 9	1 10 26	15 ^h 41'48"	5 ^h 57'	5 ^h 12'	5 ^h 24'	7 ^h 14'	20 ^h 51'	21 ^h 47'	14 ^h 43'	24 ^h 25'	10 ^h 36'	0 ^h 26'	29 ^h 26'	28 ^h 51'	20 ^h 29'	T 9
W10	1 14 23	16 ^h 41'09"	19 ^h 2'	6 ^h 56'	6 ^h 38'	7 ^h 18'	20 ^h 44'	21 ^h 54'	14 ^h 42'	24 ^h 25'	10 ^h 35'	0 ^h 14'	29 ^h 23'	28 ^h 58'	20 ^h 27'	W10
T11	1 18 19	17 ^h 40'32"	2 ^h 22'	8 ^h 41'	7 ^h 52'	7 ^h 21'	20 ^h 38'	22 ^h 1'	14 ^h 42'	24 ^h 25'	10 ^h 34'	0 ^h 1'	29 ^h 20'	29 ^h 4'	20 ^h 24'	T11
F12	1 22 16	18 ^h 39'57"	15 ^h 57'	10 ^h 26'	9 ^h 7'	7 ^h 23'	20 ^h 32'	22 ^h 8'	14 ^h 41'	24 ^h 25'	10 ^h 33'	29 ^h 50'	29 ^h 17'	29 ^h 11'	20 ^h 22'	F12
S13	1 26 12	19 ^h 39'25"	29 ^h 41'	12 ^h 10'	10 ^h 21'	7 ^h 24'	20 ^h 26'	22 ^h 15'	14 ^h 40'	24 ^h 26'	10 ^h 31'	29 ^h 40'	29 ^h 13'	29 ^h 18'	20 ^h 19'	S13
S14	1 30 9	20 ^h 38'55"	13 ^h 34'	13 ^h 55'	11 ^h 35'	7 ^h 24'	20 ^h 20'	22 ^h 22'	14 ^h 40'	24 ^h 26'	10 ^h 30'	29 ^h 33'	29 ^h 10'	29 ^h 24'	20 ^h 16'	S14
M15	1 34 6	21 ^h 38'27"	27 ^h 32'	15 ^h 39'	12 ^h 50'	7 ^h 24'	20 ^h 14'	22 ^h 29'	14 ^h 39'	24 ^h 26'	10 ^h 29'	29 ^h 29'	29 ^h 7'	29 ^h 31'	20 ^h 14'	M15
T16	1 38 2	22 ^h 38'01"	11 ^h 53'	17 ^h 22'	14 ^h 4'	7 ^h 22'	20 ^h 9'	22 ^h 36'	14 ^h 39'	24 ^h 26'	10 ^h 28'	29 ^h 28'	29 ^h 4'	29 ^h 38'	20 ^h 11'	T16
W17	1 41 59	23 ^h 37'38"	25 ^h 38'	19 ^h 5'	15 ^h 18'	7 ^h 20'	20 ^h 3'	22 ^h 42'	14 ^h 38'	24 ^h 27'	10 ^h 27'	29 ^h 28'	29 ^h 1'	29 ^h 44'	20 ^h 8'	W17
T18	1 45 55	24 ^h 37'17"	9 ^h 24'	20 ^h 48'	16 ^h 33'	7 ^h 17'	19 ^h 58'	22 ^h 49'	14 ^h 38'	24 ^h 27'	10 ^h 26'	29 ^h 27'	28 ^h 58'	29 ^h 51'	20 ^h 6'	T18
F19	1 49 52	25 ^h 36'58"	23 ^h 52'	22 ^h 30'	17 ^h 47'	7 ^h 13'	19 ^h 53'	22 ^h 56'	14 ^h 38'	24 ^h 28'	10 ^h 25'	29 ^h 26'	28 ^h 54'	29 ^h 58'	20 ^h 3'	F19
S20	1 53 48	26 ^h 36'41"	8 ^h 0'	24 ^h 12'	19 ^h 1'	7 ^h 8'	19 ^h 48'	23 ^h 3'	14 ^h 38'	24 ^h 28'	10 ^h 23'	29 ^h 22'	28 ^h 51'	0 ^h 4'	20 ^h 0'	S20
S21	1 57 45	27 ^h 36'27"	22 ^h 4'	25 ^h 53'	20 ^h 16'	7 ^h 2'	19 ^h 43'	23 ^h 9'	14 ^h 37'	24 ^h 28'	10 ^h 22'	29 ^h 15'	28 ^h 48'	0 ^h 11'	19 ^h 57'	S21
M22	2 1 41	28 ^h 36'15"	6 ^h 3'	27 ^h 33'	21 ^h 30'	6 ^h 55'	19 ^h 38'	23 ^h 16'	14 ^h 37'	24 ^h 29'	10 ^h 21'	29 ^h 6'	28 ^h 45'	0 ^h 17'	19 ^h 54'	M22
T23	2 5 38	29 ^h 36'05"	19 ^h 51'	29 ^h 13'	22 ^h 44'	6 ^h 47'	19 ^h 34'	23 ^h 22'	14 ^h 37'	24 ^h 29'	10 ^h 20'	28 ^h 54'	28 ^h 42'	0 ^h 24'	19 ^h 51'	T23
W24	2 9 35	0 ^h 35'57"	3 ^h 25'	0 ^h 53'	23 ^h 59'	6 ^h 39'	19 ^h 30'	23 ^h 29'	14 ^h 37'	24 ^h 30'	10 ^h 19'	28 ^h 41'	28 ^h 38'	0 ^h 31'	19 ^h 48'	W24
T25	2 13 31	1 ^h 35'51"	16 ^h 43'	2 ^h 31'	25 ^h 13'	6 ^h 29'	19 ^h 26'	23 ^h 35'	14 ^h D37	24 ^h 31'	10 ^h 18'	28 ^h 28'	28 ^h 35'	0 ^h 37'	19 ^h 45'	T25
F26	2 17 28	2 ^h 35'46"	29 ^h 41'	4 ^h 10'	26 ^h 27'	6 ^h 19'	19 ^h 22'	23 ^h 42'	14 ^h 37'	24 ^h 31'	10 ^h 17'	28 ^h 16'	28 ^h 32'	0 ^h 44'	19 ^h 42'	F26
S27	2 21 24	3 ^h 35'44"	12 ^h 19'	5 ^h 48'	27 ^h 42'	6 ^h 8'	19 ^h 18'	23 ^h 48'	14 ^h 37'	24 ^h 32'	10 ^h 16'	28 ^h 7'	28 ^h 29'	0 ^h 51'	19 ^h 39'	S27
S28	2 25 21	4 ^h 35'43"	24 ^h 40'	7 ^h 25'	28 ^h 56'	5 ^h 56'	19 ^h 14'	23 ^h 55'	14 ^h 37'	24 ^h 33'	10 ^h 15'	28 ^h 0'	28 ^h 26'	0 ^h 57'	19 ^h 36'	S28
M29	2 29 17	5 ^h 35'45"	6 ^h 34'	9 ^h 2'	0 ^h 10'	5 ^h 43'	19 ^h 11'	24 ^h 1'	14 ^h 38'	24 ^h 33'	10 ^h 14'	27 ^h 57'	28 ^h 23'	1 ^h 4'	19 ^h 33'	M29
T30	2 33 14	6 ^h 35'47"	18 ^h 40'	10 ^h 38'	1 ^h 24'	5 ^h 29'	19 ^h 8'	24 ^h 7'	14 ^h 38'	24 ^h 34'	10 ^h 13'	27 ^h 55'	28 ^h 19'	1 ^h 11'	19 ^h 30'	T30
W31	2 37 10	7 ^h 35'52"	0 ^h 29'	12 ^h 14'	2 ^h 39'	5 ^h 15'	19 ^h 5'	24 ^h 13'	14 ^h 38'	24 ^h 35'	10 ^h 12'	27 ^h D55	28 ^h 16'	1 ^h 17'	19 ^h 27'	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
M 1	3s 6	20s45	2n42	4n54	1n48	9s16	0n39	20n 4	1s20	4s43	1s35	5n23	1n54	17s 5	0s43	20s50	0n26	11s43	17s23	19n58	20n12	20s25	15n32	2s32			
T 2	3 29	21 16	1 45	4 20	1 52	9 45	0 36	20 7	1 18	4 46	1 35	5 20	1 54	17 5	0 43	20 50	0 26	11 43	17 23	19 58	20 13	20 25	15 31	2 32			
W 3	3 52	20 50	0 44	3 44	1 54	10 14	0 34	20 11	1 16	4 49	1 35	5 18	1 54	17 5	0 43	20 50	0 26	11 44	17 23	19 58	20 13	20 24	15 30	2 32			
T 4	4 16	19 28	0s19	3 6	1 55	10 42	0 32	20 14	1 14	4 52	1 35	5 15	1 54	17 6	0 43	20 50	0 26	11 44	17 23	19 58	20 14	20 24	15 29	2 32			
F 5	4 39	17 14	1 21	2 27	1 56	11 11	0 29	20 17	1 12	4 54	1 35	5 12	1 54	17 6	0 43	20 50	0 26	11 45	17 23	19 58	20 15	20 23	15 28	2 33			
S 6	5 2	14 14	2 20	1 46	1 56	11 39	0 27	20 20	1 10	4 57	1 35	5 9	1 54	17 6	0 43	20 50	0 26	11 45	17 23	19 59	20 15	20 23	15 28	2 33			
S 7	5 25	10 35	3 14	1 4	1 55	12 7	0 25	20 23	1 8	5 0	1 35	5 7	1 54	17 6	0 43	20 50	0 25	11 46	17 23	20 0	20 16	20 22	15 27	2 33			
M 8	5 48	6 24	4 0	0 21	1 53	12 34	0 22	20 26	1 6	5 2	1 34	5 4	1 55	17 7	0 43	20 50	0 25	11 46	17 23	20 2	20 17	20 22	15 26	2 33			
T 9	6 11	1 50	4 34	0s22	1 51	13 1	0 20	20 29	1 4	5 5	1 34	5 1	1 55	17 7	0 43	20 50	0 25	11 47	17 23	20 4	20 17	20 21	15 25	2 33			
W10	6 34	2n54	4 55	1 6	1 48	13 28	0 17	20 32	1 2	5 7	1 34	4 58	1 55	17 7	0 43	20 50	0 25	11 47	17 23	20 7	20 18	20 21	15 24	2 34			
T11	6 57	7 36	5 1	1 51	1 45	13 55	0 15	20 34	1 0	5 9	1 34	4 56	1 55	17 7	0 43	20 50	0 25	11 47	17 23	20 10	20 19	20 20	15 24	2 34			
F12	7 19	12 0	4 49	2 35	1 41	14 21	0 12	20 37	0 57	5 12	1 34	4 53	1 55	17 7	0 43	20 50	0 25	11 48	17 22	20 12	20 19	20 20	15 23	2 34			
S13	7 42	15 51	4 21	3 20	1 36	14 47	0 9	20 39	0 55	5 14	1 34	4 50	1 55	17 8	0 43	20 50	0 25	11 48	17 22	20 14	20 20	20 19	15 22	2 34			
S14	8 4	18 51	3 37	4 5	1 32	15 13	0 7	20 42	0 53	5 16	1 34	4 48	1 55	17 8	0 43	20 50	0 25	11 49	17 22	20 16	20 20	20 19	15 21	2 34			
M15	8 27	20 46	2 40	4 50	1 27	15 38	0 4	20 44	0 50	5 18	1 33	4 45	1 55	17 8	0 43	20 50	0 25	11 49	17 22	20 17	20 21	20 18	15 20	2 34			
T16	8 49	21 24	1 33	5 34	1 22	16 3	0 2	20 46	0 48	5 20	1 33	4 43	1 56	17 8	0 43	20 50	0 25	11 49	17 22	20 17	20 22	20 18	15 19	2 35			
W17	9 11	20 42	0 20	6 18	1 16	16 27	0s 1	20 48	0 46	5 22	1 33	4 40	1 56	17 8	0 43	20 50	0 25	11 50	17 22	20 17	20 22	20 17	15 18	2 35			
T18	9 33	18 42	0n54	7 2	1 11	16 51	0 4	20 50	0 43	5 24	1 33	4 38	1 56	17 8	0 42	20 50	0 25	11 50	17 22	20 17	20 23	20 17	15 17	2 35			
F19	9 55	15 33	2 5	7 46	1 5	17 15	0 6	20 52	0 41	5 26	1 33	4 35	1 56	17 8	0 42	20 50	0 25	11 50	17 22	20 17	20 24	20 16	15 17	2 35			
S20	10 16	11 30	3 9	8 29	0 59	17 38	0 9	20 54	0 38	5 28	1 33	4 32	1 56	17 8	0 42	20 50	0 25	11 51	17 22	20 18	20 24	20 16	15 16	2 35			
S21	10 38	6 49	4 0	9 12	0 52	18 1	0 12	20 55	0 35	5 30	1 32	4 30	1 56	17 8	0 42	20 50	0 25	11 51	17 22	20 19	20 25	20 15	15 15	2 36			
M22	10 59	1 50	4 37	9 54	0 46	18 23	0 14	20 57	0 33	5 31	1 32	4 27	1 56	17 8	0 42	20 50	0 25	11 51	17 22	20 21	20 26	20 15	15 14	2 36			
T23	11 20	3s11	4 57	10 35	0 39	18 45	0 17	20 58	0 30	5 33	1 32	4 25	1 57	17 8	0 42	20 50	0 25	11 52	17 22	20 24	20 26	20 14	15 13	2 36			
W24	11 41	7 58	4 59	11 16	0 33	19 6	0 20	21 0	0 27	5 34	1 32	4 23	1 57	17 8	0 42	20 50	0 25	11 52	17 21	20 27	20 27	20 13	15 12	2 36			
T25	12 2	12 17	4 45	11 57	0 26	19 27	0 22	21 1	0 24	5 36	1 32	4 20	1 57	17 8	0 42	20 50	0 25	11 52	17 21	20 29	20 28	20 13	15 11	2 36			
F26	12 23	15 55	4 17	12 37	0 20	19 47	0 25	21 2	0 21	5 37	1 31	4 18	1 57	17 8	0 42	20 50	0 25	11 52	17 21	20 32	20 28	20 12	15 10	2 36			
S27	12 44	18 43	3 36	13 16	0 13	20 7	0 28	21 3	0 19	5 38	1 31	4 15	1 57	17 8	0 42	20 49	0 25	11 53	17 21	20 33	20 29	20 12	15 9	2 36			
S28	13 4	20 35	2 46	13 54	0 6	20 26	0 30	21 3	0 16	5 39	1 31	4 13	1 57	17 8	0 42	20 49	0 25	11 53	17 21	20 35	20 30	20 11	15 8	2 37			
M29	13 24	21 28	1 50	14 32	0s 1	20 45	0 33	21 4	0 13	5 41	1 31	4 11	1 58	17 8	0 42	20 49	0 25	11 53	17 21	20 35	20 30	20 10	15 7	2 37			
T30	13 44	21 21	0 49	15 9	0 7	21 3	0 36	21 5	0 10	5 42	1 31	4 8	1 58	17 8	0 42	20 49	0 25	11 53	17 20	20 36	20 31	20 10	15 6	2 37			
W31	14s 3	20s17	0s14	15s45	0s14	21s20	0s38	21n 5	0s 7	5s42	1s30	4n 6	1n58	17s 8	0s42	20s49	0n25	11s54	17s20	20n36	20n32	20s 9	15n 5	2s37			

ASTRODIENST EPHEMERIS for the year 1832
geocentric

NOVEMBER 1832

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Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 41 7	8♐35'58	12♐17	13♐49	3♏53	5°R 0	19°R 2	24♐19	14♐38	24♐36	10°R11	27°R55	28♐13	1♐24	19°R24	T 1
F 2	2 45 4	9°36'05	24°10	15°24	5° 7	4♐44	19♐0	24°25	14°39	24°37	10°Y10	27♐54	28°10	1°31	19♐21	F 2
S 3	2 49 0	10°36'14	6♐13	16°59	6°21	4°27	18°58	24°31	14°39	24°38	10° 9	27°51	28° 7	1°37	19°18	S 3
S 4	2 52 57	11°36'25	18°32	18°33	7°36	4°10	18°55	24°37	14°40	24°39	10° 8	27°46	28° 4	1°44	19°15	S 4
M 5	2 56 53	12°36'37	1°Y 9	20° 7	8°50	3°52	18°54	24°43	14°40	24°40	10° 7	27°38	28° 0	1°50	19°12	M 5
T 6	3 0 50	13°36'51	14° 9	21°41	10° 4	3°33	18°52	24°49	14°41	24°41	10° 6	27°28	27°57	1°57	19° 8	T 6
W 7	3 4 46	14°37'06	27°30	23°14	11°18	3°14	18°50	24°55	14°42	24°42	10° 5	27°16	27°54	2° 4	19° 5	W 7
T 8	3 8 43	15°37'23	11♏12	24°46	12°32	2°54	18°49	25° 0	14°42	24°43	10° 4	27° 4	27°51	2°10	19° 2	T 8
F 9	3 12 39	16°37'42	25°11	26°19	13°46	2°34	18°48	25° 6	14°43	24°44	10° 3	26°53	27°48	2°17	18°59	F 9
S 10	3 16 36	17°38'02	9♐23	27°51	15° 1	2°14	18°47	25°12	14°44	24°45	10° 2	26°44	27°44	2°24	18°56	S 10
S 11	3 20 33	18°38'25	23°42	29°23	16°15	1°53	18°46	25°17	14°45	24°46	10° 1	26°37	27°41	2°30	18°52	S 11
M12	3 24 29	19°38'49	8♐ 3	0♏54	17°29	1°31	18°46	25°22	14°46	24°47	10° 0	26°33	27°38	2°37	18°49	M12
T 13	3 28 26	20°39'15	22°22	2°26	18°43	1°10	18°46	25°28	14°47	24°48	10° 0	26°D32	27°35	2°44	18°46	T 13
W14	3 32 22	21°39'43	6♐36	3°56	19°57	0°48	18°D45	25°33	14°48	24°50	9°59	26°32	27°32	2°50	18°43	W14
T 15	3 36 19	22°40'13	20°43	5°27	21°11	0°26	18°46	25°38	14°49	24°51	9°58	26°R33	27°29	2°57	18°40	T 15
F 16	3 40 15	23°40'44	4♐42	6°57	22°25	0° 3	18°46	25°43	14°50	24°52	9°57	26°32	27°25	3° 4	18°37	F 16
S 17	3 44 12	24°41'18	18°33	8°27	23°39	29♏41	18°46	25°48	14°51	24°53	9°56	26°30	27°22	3°10	18°33	S 17
S 18	3 48 8	25°41'53	2♐16	9°57	24°53	29°18	18°47	25°53	14°52	24°55	9°56	26°25	27°19	3°17	18°30	S 18
M19	3 52 5	26°42'30	15°49	11°26	26° 8	28°56	18°48	25°58	14°53	24°56	9°55	26°17	27°16	3°23	18°27	M19
T 20	3 56 2	27°43'09	29°11	12°55	27°22	28°33	18°49	26° 3	14°55	24°58	9°54	26° 8	27°13	3°30	18°24	T 20
W21	3 59 58	28°43'49	12♐21	14°24	28°36	28°11	18°51	26° 8	14°56	24°59	9°53	25°57	27° 9	3°37	18°21	W21
T 22	4 3 55	29°44'31	25°18	15°52	29°50	27°49	18°52	26°13	14°58	25° 1	9°53	25°46	27° 6	3°43	18°18	T 22
F 23	4 7 51	0♏45'14	8♏ 0	17°19	1♏ 4	27°27	18°54	26°17	14°59	25° 2	9°52	25°37	27° 3	3°50	18°14	F 23
S 24	4 11 48	1°45'58	20°27	18°46	2°18	27° 5	18°56	26°22	15° 0	25° 4	9°51	25°29	27° 0	3°57	18°11	S 24
S 25	4 15 44	2°46'44	2♐41	20°13	3°32	26°44	18°58	26°26	15° 2	25° 5	9°51	25°24	26°57	4° 3	18° 8	S 25
M26	4 19 41	3°47'31	14°42	21°38	4°46	26°22	19° 1	26°30	15° 4	25° 7	9°50	25°21	26°54	4°10	18° 5	M26
T 27	4 23 37	4°48'19	26°35	23° 3	5°59	26° 2	19° 3	26°35	15° 5	25° 8	9°49	25°D20	26°50	4°17	18° 2	T 27
W28	4 27 34	5°49'08	8♐22	24°27	7°13	25°41	19° 6	26°39	15° 7	25°10	9°49	25°21	26°47	4°23	17°59	W28
T 29	4 31 31	6°49'58	20° 9	25°49	8°27	25°22	19° 9	26°43	15° 9	25°12	9°48	25°23	26°44	4°30	17°56	T 29
F 30	4 35 27	7♏50'49	2♐ 1	27♏11	9♏41	25♏ 2	19♐12	26♐47	15♐10	25♏13	9°Y48	25♏24	26♏41	4♐37	17♏53	F 30

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	14s23	18s20	1s16	16s20	0s21	21s37	0s41	21n 5	0s 4	5s43	1s30	4n 4	1n58	17s 8	0s42	20s49	0n25	11s54	17s20	20n36	20n32	20s 9	15n 4	2s37	
F 2	14 42	15 36	2 15	16 54	0 27	21 53	0 44	21 5	0 1	5 44	1 30	4 2	1 58	17 7	0 42	20 49	0 25	11 54	17 20	20 36	20 33	20 8	15 3	2 37	
S 3	15 1	12 9	3 8	17 28	0 34	22 9	0 46	21 5	0n 2	5 45	1 30	3 59	1 59	17 7	0 42	20 49	0 25	11 54	17 20	20 37	20 33	20 7	15 2	2 37	
S 4	15 20	8 8	3 55	18 1	0 40	22 24	0 49	21 5	0 6	5 45	1 29	3 57	1 59	17 7	0 42	20 48	0 25	11 55	17 20	20 38	20 34	20 7	15 1	2 38	
M 5	15 38	3 41	4 31	18 32	0 47	22 38	0 51	21 5	0 9	5 46	1 29	3 55	1 59	17 7	0 42	20 48	0 25	11 55	17 19	20 39	20 35	20 6	15 0	2 38	
T 6	15 56	1n 4	4 54	19 3	0 53	22 52	0 54	21 5	0 12	5 46	1 29	3 53	1 59	17 7	0 42	20 48	0 25	11 55	17 19	20 41	20 35	20 6	15 0	2 38	
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T 20	19 40	6 27	5 4	24 27	2 6	24 52	1 26	20 45	0 55	5 44	1 25	3 26	2 2	17 2	0 41	20 45	0 24	11 56	17 16	20 57	20 44	19 56	14 46	2 39	
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T 27	21 7	20 58	0s 7	25 40	2 24	24 58	1 39	20 29	1 14	5 37	1 24	3 15	2 4	16 59	0 41	20 44	0 24	11 56	17 14	21 5	20 48	19 51	14 40	2 39	
W28	21 18	19 19	1 10	25 45	2 25	24 56	1 41	20 27	1 17	5 36	1 23	3 14	2 4	16 58	0 41	20 43	0 24	11 56	17 13	21 5	20 49	19 51	14 39	2 39	
T 29	21 28	16 50	2 10	25 48	2 25	24 53	1 42	20 24	1 19	5 34	1 23	3 12	2 4	16 58	0 41	20 43	0 24	11 56	17 13	21 5	20 50	19 50	14 38	2 40	
F 30	21s38	13s39	3s 5	25s50	2s25	24s50	1s44	20n22	1n22	5s33	1s23	3n11	2n 4	16s57	0s41	20s43	0n24	11s56	17s13	21n 5	20n50	19s49	14n37	2s40	

ASTRODIENST EPHEMERIS for the year 1832
geocentric

DECEMBER 1832

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	4 39 24	8 ^h 51'41	14 ^h 18' 2	28 ^h 7'31	10 ^h 3'55	24 ^h R44	19 ^h 16	26 ^h 15'51	15 ^h 12	25 ^h 15	9 ^h R47	25 ^h R24	26 ^h 38	4 ^h 43	17 ^h R50	S 1
S 2	4 43 20	9 ^h 52'33	26 ^h 19	29 ^h 49	12 ^h 9	24 ^h 8'25	19 ^h 19	26 ^h 55	15 ^h 14	25 ^h 17	9 ^h 47	25 ^h 22	26 ^h 35	4 ^h 50	17 ^h 8'47	S 2
M 3	4 47 17	10 ^h 53'26	8 ^h 56	1 ^h 3 5	13 ^h 23	24 ^h 8	19 ^h 23	26 ^h 58	15 ^h 16	25 ^h 18	9 ^h 46	25 ^h 19	26 ^h 31	4 ^h 57	17 ^h 45	M 3
T 4	4 51 13	11 ^h 54'21	21 ^h 56	2 ^h 19	14 ^h 36	23 ^h 51	19 ^h 27	27 ^h 2	15 ^h 18	25 ^h 20	9 ^h 46	25 ^h 13	26 ^h 28	5 ^h 3	17 ^h 42	T 4
W 5	4 55 10	12 ^h 55'15	5 ^h 23	3 ^h 30	15 ^h 50	23 ^h 35	19 ^h 31	27 ^h 5	15 ^h 20	25 ^h 22	9 ^h 45	25 ^h 7	26 ^h 25	5 ^h 10	17 ^h 39	W 5
T 6	4 59 6	13 ^h 56'11	19 ^h 15	4 ^h 38	17 ^h 4	23 ^h 19	19 ^h 36	27 ^h 9	15 ^h 22	25 ^h 24	9 ^h 45	24 ^h 59	26 ^h 22	5 ^h 16	17 ^h 36	T 6
F 7	5 3 3	14 ^h 57'08	3 ^h 11'30	5 ^h 43	18 ^h 17	23 ^h 5	19 ^h 40	27 ^h 12	15 ^h 24	25 ^h 25	9 ^h 45	24 ^h 53	26 ^h 19	5 ^h 23	17 ^h 33	F 7
S 8	5 7 0	15 ^h 58'05	18 ^h 3	6 ^h 44	19 ^h 31	22 ^h 50	19 ^h 45	27 ^h 15	15 ^h 26	25 ^h 27	9 ^h 44	24 ^h 47	26 ^h 15	5 ^h 30	17 ^h 31	S 8
S 9	5 10 56	16 ^h 59'04	2 ^h 34	7 ^h 40	20 ^h 45	22 ^h 37	19 ^h 50	27 ^h 19	15 ^h 28	25 ^h 29	9 ^h 44	24 ^h 44	26 ^h 12	5 ^h 36	17 ^h 28	S 9
M10	5 14 53	18 ^h 0'03	17 ^h 36	8 ^h 30	21 ^h 58	22 ^h 25	19 ^h 55	27 ^h 22	15 ^h 31	25 ^h 31	9 ^h 43	24 ^h D42	26 ^h 9	5 ^h 43	17 ^h 25	M10
T 11	5 18 49	19 ^h 1'03	2 ^h 21	9 ^h 15	23 ^h 12	22 ^h 13	20 ^h 0	27 ^h 25	15 ^h 33	25 ^h 33	9 ^h 43	24 ^h 42	26 ^h 6	5 ^h 50	17 ^h 23	T 11
W12	5 22 46	20 ^h 2'05	16 ^h 57	9 ^h 52	24 ^h 25	22 ^h 2	20 ^h 6	27 ^h 27	15 ^h 35	25 ^h 35	9 ^h 43	24 ^h 43	26 ^h 3	5 ^h 56	17 ^h 20	W12
T 13	5 26 42	21 ^h 3'07	1 ^h 18	10 ^h 22	25 ^h 39	21 ^h 52	20 ^h 11	27 ^h 30	15 ^h 37	25 ^h 37	9 ^h 43	24 ^h 45	26 ^h 0	6 ^h 3	17 ^h 18	T 13
F 14	5 30 39	22 ^h 4'10	15 ^h 24	10 ^h 43	26 ^h 52	21 ^h 42	20 ^h 17	27 ^h 33	15 ^h 40	25 ^h 39	9 ^h 42	24 ^h 46	25 ^h 56	6 ^h 10	17 ^h 15	F 14
S 15	5 34 35	23 ^h 5'14	29 ^h 12	10 ^h 55	28 ^h 6	21 ^h 34	20 ^h 23	27 ^h 35	15 ^h 42	25 ^h 41	9 ^h 42	24 ^h R46	25 ^h 53	6 ^h 16	17 ^h 13	S 15
S 16	5 38 32	24 ^h 6'19	12 ^h 44	10 ^h R56	29 ^h 19	21 ^h 26	20 ^h 29	27 ^h 38	15 ^h 45	25 ^h 43	9 ^h 42	24 ^h 44	25 ^h 50	6 ^h 23	17 ^h 10	S 16
M17	5 42 29	25 ^h 7'25	26 ^h 1	10 ^h 46	0 ^h 32	21 ^h 19	20 ^h 35	27 ^h 40	15 ^h 47	25 ^h 45	9 ^h 42	24 ^h 41	25 ^h 47	6 ^h 30	17 ^h 8	M17
T 18	5 46 25	26 ^h 8'32	9 ^h 11	10 ^h 25	1 ^h 46	21 ^h 13	20 ^h 42	27 ^h 42	15 ^h 50	25 ^h 47	9 ^h 42	24 ^h 37	25 ^h 44	6 ^h 36	17 ^h 6	T 18
W19	5 50 22	27 ^h 9'40	21 ^h 50	9 ^h 52	2 ^h 59	21 ^h 8	20 ^h 49	27 ^h 45	15 ^h 52	25 ^h 49	9 ^h 41	24 ^h 33	25 ^h 41	6 ^h 43	17 ^h 3	W19
T 20	5 54 18	28 ^h 10'48	4 ^h 25	9 ^h 8	4 ^h 12	21 ^h 4	20 ^h 55	27 ^h 47	15 ^h 55	25 ^h 51	9 ^h 41	24 ^h 28	25 ^h 37	6 ^h 50	17 ^h 1	T 20
F 21	5 58 15	29 ^h 11'57	16 ^h 49	8 ^h 12	5 ^h 25	21 ^h 0	21 ^h 2	27 ^h 49	15 ^h 57	25 ^h 53	9 ^h 41	24 ^h 24	25 ^h 34	6 ^h 56	16 ^h 59	F 21
S 22	6 2 11	0 ^h 31'06	29 ^h 1	7 ^h 7	6 ^h 39	20 ^h 57	21 ^h 10	27 ^h 50	16 ^h 0	25 ^h 55	9 ^h 41	24 ^h 20	25 ^h 31	7 ^h 3	16 ^h 57	S 22
S 23	6 6 8	1 ^h 14'16	11 ^h 3 4	5 ^h 55	7 ^h 52	20 ^h 55	21 ^h 17	27 ^h 52	16 ^h 3	25 ^h 57	9 ^h 41	24 ^h 18	25 ^h 28	7 ^h 9	16 ^h 55	S 23
M24	6 10 5	2 ^h 15'26	23 ^h 0	4 ^h 36	9 ^h 5	20 ^h 54	21 ^h 24	27 ^h 54	16 ^h 5	25 ^h 59	9 ^h D41	24 ^h D18	25 ^h 25	7 ^h 16	16 ^h 53	M24
T 25	6 14 1	3 ^h 16'36	4 ^h 49	3 ^h 14	10 ^h 18	20 ^h D54	21 ^h 32	27 ^h 55	16 ^h 8	26 ^h 1	9 ^h 41	24 ^h 18	25 ^h 21	7 ^h 23	16 ^h 51	T 25
W26	6 17 58	4 ^h 17'46	16 ^h 36	1 ^h 52	11 ^h 31	20 ^h 54	21 ^h 40	27 ^h 57	16 ^h 11	26 ^h 4	9 ^h 41	24 ^h 19	25 ^h 18	7 ^h 29	16 ^h 49	W26
T 27	6 21 54	5 ^h 18'56	28 ^h 23	0 ^h 33	12 ^h 44	20 ^h 55	21 ^h 48	27 ^h 58	16 ^h 14	26 ^h 6	9 ^h 41	24 ^h 21	25 ^h 15	7 ^h 36	16 ^h 47	T 27
F 28	6 25 51	6 ^h 20'07	10 ^h 15	29 ^h 18	13 ^h 56	20 ^h 57	21 ^h 56	27 ^h 59	16 ^h 17	26 ^h 8	9 ^h 41	24 ^h 23	25 ^h 12	7 ^h 43	16 ^h 45	F 28
S 29	6 29 47	7 ^h 21'17	22 ^h 15	28 ^h 10	15 ^h 9	21 ^h 0	22 ^h 4	28 ^h 0	16 ^h 19	26 ^h 10	9 ^h 41	24 ^h 24	25 ^h 9	7 ^h 49	16 ^h 44	S 29
S 30	6 33 44	8 ^h 22'27	4 ^h 29	27 ^h 10	16 ^h 22	21 ^h 4	22 ^h 13	28 ^h 1	16 ^h 22	26 ^h 12	9 ^h 42	24 ^h R24	25 ^h 6	7 ^h 56	16 ^h 42	S 30
M31	6 37 40	9 ^h 23'36	17 ^h 0	26 ^h 20	17 ^h 34	21 ^h 8	22 ^h 21	28 ^h 2	16 ^h 25	26 ^h 14	9 ^h 42	24 ^h 24	25 ^h 2	8 ^h 3	16 ^h 40	M31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	21s48	9s52	3s53	25s51	2s24	24s45	1s45	20n20	1n24	5s31	1s23	3n10	2n 5	16s57	0s41	20s43	0n24	11s56	17s12	21n 5	20n51	19s48	14n36	2s40			
S 2	21 57	5 37	4 31	25 50	2 23	24 40	1 46	20 17	1 26	5 30	1 22	3 8	2 5	16 56	0 41	20 42	0 24	11 56	17 12	21 5	20 51	19 48	14 36	2 40			
M 3	22 6	1 1	4 57	25 48	2 20	24 34	1 48	20 15	1 29	5 28	1 22	3 7	2 5	16 56	0 41	20 42	0 24	11 56	17 12	21 6	20 52	19 47	14 35	2 40			
T 4	22 14	3n46	5 9	25 44	2 18	24 28	1 49	20 13	1 31	5 26	1 22	3 6	2 6	16 55	0 41	20 42	0 24	11 56	17 11	21 7	20 53	19 46	14 34	2 40			
W 5	22 22	8 32	5 5	25 39	2 14	24 20	1 50	20 11	1 33	5 24	1 22	3 5	2 6	16 54	0 41	20 41	0 24	11 55	17 11	21 8	20 53	19 45	14 33	2 40			
T 6	22 30	13 1	4 43	25 32	2 10	24 12	1 51	20 9	1 35	5 22	1 21	3 4	2 6	16 54	0 41	20 41	0 24	11 55	17 11	21 9	20 54	19 44	14 32	2 40			
F 7	22 37	16 54	4 3	25 24	2 4	24 3	1 52	20 7	1 37	5 20	1 21	3 3	2 6	16 53	0 41	20 41	0 24	11 55	17 10	21 10	20 54	19 44	14 32	2 40			
S 8	22 43	19 50	3 6	25 15	1 58	23 54	1 53	20 5	1 39	5 18	1 21	3 2	2 7	16 52	0 41	20 40	0 24	11 55	17 10	21 11	20 55	19 43	14 31	2 40			
S 9	22 49	21 29	1 57	25 5	1 51	23 44	1 54	20 4	1 40	5 16	1 21	3 1	2 7	16 52	0 41	20 40	0 24	11 55	17 10	21 12	20 56	19 42	14 30	2 40			
M10	22 55	21 40	0 39	24 53	1 42	23 33	1 54	20 2	1 42	5 14	1 20	3 0	2 7	16 51	0 41	20 40	0 24	11 55	17 9	21 12	20 56	19 41	14 29	2 40			
T 11	23 0	20 20	0n42	24 41	1 33	23 21	1 55	20 1	1 44	5 11	1 20	2 59	2 7	16 50	0 41	20 39	0 24	11 54	17 9	21 12	20 57	19 41	14 29	2 40			
W12	23 5	17 39	1 59	24 27	1 22	23 9	1 56	19 59	1 45	5 9	1 20	2 58	2 8	16 50	0 41	20 39	0 24	11 54	17 9	21 12	20 57	19 40	14 28	2 40			
T 13	23 9	13 56	3 7	24 13	1 10	22 56	1 56	19 58	1 47	5 7	1 20	2 57	2 8	16 49	0 41	20 39	0 24	11 54	17 8	21 12	20 58	19 39	14 27	2 40			
F 14	23 13	9 29	4 3	23 58	0 56	22 42	1 57	19 57	1 48	5 4	1 19	2 56	2 8	16 48	0 41	20 38	0 24	11 54	17 8	21 12	20 59	19 38	14 27	2 40			
S 15	23 17	4 38	4 43	23 42	0 42	22 28	1 57	19 56	1 50	5 1	1 19	2 55	2 8	16 47	0 41	20 38	0 24	11 53	17 8	21 12	20 59	19 37	14 26	2 40			
S 16	23 20	0s20	5 6	23 26	0 26	22 13	1 57	19 56	1 51	4 59	1 19	2 55	2 9	16 47	0 41	20 38	0 24	11 53	17 7	21 12	21 0	19 36	14 25	2 40			
M17	23 22	5 11	5 13	23 10	0 9	21 58	1 57	19 55	1 53	4 56	1 19	2 54	2 9	16 46	0 41	20 37	0 24	11 53	17 7	21 12	21 0	19 36	14 25	2 40			
T 18	23 24	9 43	5 4	22 53	0n10	21 41	1 57	19 55	1 54	4 53	1 18	2 53	2 9	16 45	0 41	20 37	0 24	11 53	17 7	21 13	21 1	19 35	14 24	2 40			
W19	23 26	13 45	4 39	22 37	0 29	21 25	1 57	19 54	1 55	4 51	1 18	2 53	2 10	16 44	0 41	20 37	0 24	11 52	17 6	21 14	21 2	19 34	14 23	2 40			
T 20	23 27	17 6	4 1	22 20	0 49	21 7	1 57	19 54	1 56	4 48	1 18	2 52	2 10	16 44	0 41	20 36	0 24	11 52	17 6	21 15	21 2	19 33	14 23	2 40			
F 21	23 27	19 37	3 12	22 4	1 8	20 49	1 57	19 54	1 57	4 45	1 18	2 52	2 10	16 43	0 41	20 36	0 24	11 52	17 6	21 15	21 3	19 32	14 22	2 40			
S 22	23 28	21 12	2 15	21 48	1 28	20 31	1 57	19 54	1 58	4 42	1 17	2 51	2 10	16 42	0 41	20 36	0 24	11 51	17 5	21 16	21 3	19 31	14 22	2 40			
S 23	23 27	21 48	1 12	21 33	1 47	20 12	1 56	19 55	1 59	4 38	1 17	2 51	2 11	16 41	0 41	20 35	0 24	11 51	17 5	21 16	21 4	19 31	14 21	2 40			
M24	23 26	21 23	0 7	21 18	2 5	19 52	1 56	19 55	2 0	4 35	1 17	2 50	2 11	16 40	0 41	20 35	0 24	11 51	17 4	21 17	21 4	19 30	14 21	2 40			
T 25	23 25	20 1	0s58	21 4	2 21	19 32	1 55	19 56	2 1	4 32	1 17	2 50	2 11	16 39	0 41	20 34	0 24	11 50	17 4	21 16	21 5	19 29	14 20	2 40			
W26	23 23	17 47	2 0	20 51	2 36	19 11	1 55	19 57	2 2	4 29	1 17	2 50	2 12	16 39	0 41	20 34	0 24	11 50	17 4	21 16	21 6	19 28	14 20	2 39			
T 27	23 21	14 49	2 58	20 40	2 48	18 50	1 54	19 58	2 2	4 25	1 16	2 50	2 12	16 38	0 40	20 34	0 24	11 50	17 3	21 16	21 6	19 27	14 19	2 39			
F 28	23 18	11 15	3 48	20 30	2 58	18 28	1 53	19 59	2 3	4 22	1 16	2 49	2 12	16 37	0 40	20 33	0 24	11 49	17 3	21 16	21 7	19 26	14 19	2 39			
S 29	23 15	7 11	4 29	20 22	3 5	18 6	1 52	20 1	2 4	4 19	1 16	2 49	2 12	16 36	0 40	20 33	0 24	11 49	17 3	21 15	21 7	19 25	14 18	2 39			
S 30	23 12	2 47	4 58	20 16	3 9	17 43	1 51	20 2	2 4	4 15	1 16	2 49	2 13	16 35	0 40	20 32	0 24	11 49	17 2	21 15	21 8	19 24	14 18	2 39			
M31	23s 8	1n51	5s15	20s13	3n12	17s20	1s50	20n 4	2n 5	4s12	1s15	2n49	2n13	16s34	0s40	20s32	0n24	11s48	17s 2	21n15	21n 9	19s24	14n17	2s39			