



# Astrodienst Ephemeris Tables for the year 1760

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 1760  
geocentric

JANUARY 1760

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	6 40 21	10°37'56"	17°11'17"	17°R 9	23°M 31	23°M 13	28°S 56	11°K 32	27°K 30	19°R 22	25°S 34	27°I 32	26°I 54	7°M 56	6°S 46	T 1
W 2	6 44 18	11° 9'05"	1°S 44	15°S 59	24°29	23°30	29°10	11°36	27°31	19°L 20	25°37	27°R 32	26°51	8° 3	6°50	W 2
T 3	6 48 15	12°10'14"	16° 0	14°42	25°27	23°46	29°24	11°41	27°33	19°19	25°39	27°32	26°48	8°10	6°55	T 3
F 4	6 52 11	13°11'23"	29°59	13°23	26°25	24° 1	29°38	11°46	27°34	19°18	25°41	27°30	26°44	8°16	6°59	F 4
S 5	6 56 8	14°12'31"	13°L 38	12° 2	27°25	24°16	29°52	11°51	27°36	19°17	25°43	27°28	26°41	8°23	7° 4	S 5
S 6	7 0 4	15°13'40"	26°55	10°43	28°24	24°31	0°S 6	11°56	27°37	19°15	25°45	27°25	26°38	8°30	7° 8	S 6
M 7	7 4 1	16°14'48"	9°M 49	9°28	29°24	24°45	0°20	12° 1	27°39	19°14	25°47	27°23	26°35	8°36	7°13	M 7
T 8	7 7 57	17°15'57"	22°23	8°20	0°S 25	24°58	0°34	12° 7	27°40	19°12	25°49	27°20	26°32	8°43	7°17	T 8
W 9	7 11 54	18°17'05"	4°S 39	7°19	1°26	25°11	0°48	12°12	27°42	19°11	25°51	27°19	26°29	8°50	7°22	W 9
T 10	7 15 50	19°18'14"	16°42	6°26	2°27	25°24	1° 2	12°17	27°43	19°10	25°53	27°D 18	26°25	8°57	7°26	T 10
F 11	7 19 47	20°19'22"	28°36	5°43	3°29	25°36	1°16	12°23	27°45	19° 8	25°56	27°18	26°22	9° 3	7°31	F 11
S 12	7 23 44	21°20'30"	10°M 26	5°10	4°31	25°47	1°30	12°28	27°47	19° 7	25°58	27°19	26°19	9°10	7°36	S 12
S 13	7 27 40	22°21'38"	22°17	4°47	5°33	25°58	1°44	12°34	27°49	19° 5	26° 0	27°21	26°16	9°17	7°40	S 13
M14	7 31 37	23°22'45"	4°S 14	4°33	6°36	26° 8	1°58	12°39	27°51	19° 4	26° 2	27°23	26°13	9°23	7°45	M14
T 15	7 35 33	24°23'53"	16°20	4°D 27	7°39	26°17	2°12	12°45	27°53	19° 2	26° 4	27°24	26° 9	9°30	7°50	T 15
W16	7 39 30	25°25'00"	28°40	4°31	8°42	26°26	2°27	12°51	27°55	19° 1	26° 6	27°R 25	26° 6	9°37	7°54	W16
T 17	7 43 26	26°26'06"	11°S 15	4°42	9°46	26°35	2°41	12°56	27°56	18°59	26° 8	27°24	26° 3	9°43	7°59	T 17
F 18	7 47 23	27°27'12"	24° 7	5° 0	10°50	26°43	2°55	13° 2	27°59	18°58	26°10	27°21	26° 0	9°50	8° 4	F 18
S 19	7 51 19	28°28'17"	7°S 16	5°25	11°54	26°50	3° 9	13° 8	28° 1	18°56	26°12	27°17	25°57	9°57	8° 8	S 19
S 20	7 55 16	29°29'22"	20°41	5°55	12°59	26°56	3°23	13°14	28° 3	18°55	26°14	27°12	25°54	10° 3	8°13	S 20
M21	7 59 13	0°S 30'25"	4°K 20	6°32	14° 4	27° 2	3°38	13°20	28° 5	18°53	26°15	27° 7	25°50	10°10	8°18	M21
T 22	8 3 9	1°31'28"	18° 9	7°13	15° 9	27° 7	3°52	13°26	28° 7	18°52	26°17	27° 1	25°47	10°17	8°23	T 22
W23	8 7 6	2°32'29"	2°Y 7	7°58	16°14	27°12	4° 6	13°32	28° 9	18°50	26°19	26°57	25°44	10°23	8°27	W23
T 24	8 11 2	3°33'29"	16°11	8°48	17°20	27°15	4°20	13°39	28°12	18°48	26°21	26°54	25°41	10°30	8°32	T 24
F 25	8 14 59	4°34'28"	0°S 18	9°41	18°25	27°18	4°35	13°45	28°14	18°47	26°23	26°D 53	25°38	10°37	8°37	F 25
S 26	8 18 55	5°35'26"	14°26	10°38	19°31	27°21	4°49	13°51	28°16	18°45	26°25	26°53	25°35	10°43	8°42	S 26
S 27	8 22 52	6°36'23"	28°35	11°37	20°38	27°22	5° 3	13°58	28°19	18°44	26°27	26°54	25°31	10°50	8°46	S 27
M28	8 26 48	7°37'18"	12°I 42	12°40	21°44	27°23	5°17	14° 4	28°21	18°42	26°28	26°55	25°28	10°57	8°51	M28
T 29	8 30 45	8°38'12"	26°46	13°45	22°51	27°R 24	5°32	14°10	28°24	18°40	26°30	26°R 56	25°25	11° 4	8°56	T 29
W30	8 34 42	9°39'05"	10°S 45	14°52	23°58	27°23	5°46	14°17	28°26	18°39	26°32	26°55	25°22	11°10	9° 1	W30
T 31	8 38 38	10°39'57"	24°S 35	16°S 1	25°S 5	27°M 22	6°S 0	14°K 23	28°K 29	18°L 37	26°S 34	26°I 52	25°I 19	11°M 17	9°S 5	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	23s 5	21n55	0s57	20s26	1n57	15s13	3n35	5n18	2n50	20s51	0s28	9s 4	1s58	1s40	0s44	15n19
W 2	23 0	23 51	0n23	20 17	2 15	15 26	3 35	5 13	2 52	20 48	0 28	9 2	1 57	1 39	0 44	15 19
T 3	22 55	24 10	1 40	20 9	2 31	15 40	3 35	5 8	2 53	20 46	0 28	9 0	1 57	1 39	0 44	15 19
F 4	22 49	22 57	2 50	20 3	2 46	15 54	3 35	5 3	2 55	20 43	0 28	8 58	1 57	1 38	0 44	15 20
S 5	22 43	20 23	3 48	19 58	2 58	16 7	3 34	4 59	2 56	20 40	0 28	8 56	1 57	1 38	0 44	15 20
S 6	22 36	16 49	4 32	19 55	3 8	16 21	3 34	4 54	2 58	20 37	0 28	8 54	1 57	1 37	0 44	15 21
M 7	22 29	12 32	5 1	19 54	3 15	16 34	3 33	4 50	2 59	20 34	0 28	8 52	1 57	1 36	0 44	15 21
T 8	22 21	7 50	5 14	19 53	3 20	16 48	3 33	4 46	3 1	20 31	0 28	8 50	1 57	1 36	0 44	15 21
W 9	22 13	2 56	5 13	19 55	3 22	17 1	3 32	4 42	3 2	20 28	0 28	8 47	1 57	1 35	0 44	15 22
T 10	22 5	1s59	4 58	19 57	3 22	17 14	3 31	4 39	3 4	20 25	0 28	8 45	1 57	1 34	0 43	15 22
F 11	21 56	6 47	4 30	20 1	3 20	17 27	3 29	4 35	3 5	20 22	0 29	8 43	1 56	1 34	0 43	15 23
S 12	21 47	11 19	3 50	20 6	3 16	17 40	3 28	4 32	3 7	20 19	0 29	8 41	1 56	1 33	0 43	15 23
S 13	21 37	15 26	3 1	20 12	3 11	17 52	3 27	4 29	3 9	20 16	0 29	8 39	1 56	1 32	0 43	15 24
M14	21 27	18 59	2 4	20 19	3 5	18 4	3 25	4 27	3 10	20 13	0 29	8 36	1 56	1 31	0 43	15 24
T 15	21 16	21 46	1 0	20 26	2 58	18 16	3 23	4 24	3 12	20 10	0 29	8 34	1 56	1 30	0 43	15 25
W16	21 5	23 35	0s 7	20 34	2 49	18 28	3 21	4 22	3 13	20 7	0 29	8 32	1 56	1 30	0 43	15 25
T 17	20 55	24 15	1 15	20 43	2 40	18 39	3 19	4 20	3 15	20 3	0 29	8 30	1 56	1 29	0 43	15 26
F 18	20 42	23 38	2 21	20 52	2 31	18 50	3 17	4 19	3 16	20 0	0 29	8 27	1 56	1 28	0 43	15 26
S 19	20 30	21 43	3 21	21 1	2 21	19 1	3 15	4 17	3 18	19 57	0 29	8 25	1 56	1 27	0 43	15 27
S 20	20 17	18 34	4 11	21 9	2 11	19 12	3 13	4 16	3 20	19 54	0 29	8 22	1 56	1 26	0 43	15 27
M21	20 4	14 23	4 47	21 18	2 1	19 22	3 10	4 15	3 21	19 51	0 29	8 20	1 55	1 25	0 43	15 28
T 22	19 51	9 24	5 8	21 26	1 51	19 32	3 8	4 15	3 23	19 47	0 29	8 18	1 55	1 24	0 43	15 28
W23	19 37	3 54	5 10	21 34	1 40	19 41	3 5	4 14	3 24	19 44	0 29	8 15	1 55	1 24	0 43	15 29
T 24	19 23	1n51	4 54	21 41	1 30	19 50	3 3	4 14	3 26	19 41	0 30	8 13	1 55	1 23	0 43	15 29
F 25	19 9	7 32	4 20	21 48	1 20	19 59	3 0	4 15	3 28	19 37	0 30	8 10	1 55	1 22	0 43	15 30
S 26	18 54	12 50	3 38	21 54	1 9	20 7	2 57	4 15	3 29	19 34	0 30	8 8	1 55	1 21	0 43	15 30
S 27	18 39	17 28	2 28	21 59	0 59	20 15	2 54	4 16	3 31	19 31	0 30	8 5	1 55	1 20	0 43	15 31
M28	18 23	21 5	1 17	22 3	0 49	20 22	2 51	4 17	3 32	19 27	0 30	8 3	1 55	1 19	0 43	15 31
T 29	18 8	23 25	0 1	22 6	0 39	20 29	2 48	4 18	3 34	19 24	0 30	8 0	1 55	1 18	0 43	15 32
W30	17 51	24 16	1n14	22 9	0 30	20 35	2 45	4 20	3 35	19 21	0 30	7 58	1 55	1 17	0 43	15 32
T 31	17s35	23n36	2n24	22s10	0n20	20s41	2n41	4n22	3n37	19s17	0s30	7s55	1s55	1s16	0s43	15n33

Julian Day Number = 2363886.5, Delta T = 18.84 sec  
Ecliptic obliquity = 23°28'14", Nutation = - 0°00'17", out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 21°23'23", Lahiri = 20°30'23"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1760  
geocentric

FEBRUARY 1760

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	8 42 35	11 <sup>40</sup> 47	8 <sup>0</sup> 13	17 <sup>3</sup> 12	26 <sup>2</sup> 12	27 <sup>0</sup> R20	6 <sup>2</sup> 14	14 <sup>1</sup> 30	28 <sup>1</sup> 31	18 <sup>0</sup> R35	26 <sup>2</sup> 35	26 <sup>0</sup> R47	25 <sup>1</sup> 15	11 <sup>1</sup> 24	9 <sup>2</sup> 10	F 1
S 2	8 46 31	12 <sup>0</sup> 41'36	21°37	18°25	27°19	27 <sup>1</sup> 17	6°28	14°37	28°34	18 <sup>0</sup> 34	26°37	26 <sup>1</sup> 40	25°12	11°30	9°15	S 2
S 3	8 50 28	13°42'24	4 <sup>1</sup> 45	19°40	28°27	27°13	6°43	14°43	28°36	18°32	26°39	26°31	25° 9	11°37	9°19	S 3
M 4	8 54 24	14°43'11	17°35	20°56	29°35	27° 9	6°57	14°50	28°39	18°30	26°40	26°22	25° 6	11°44	9°24	M 4
T 5	8 58 21	15°43'57	0 <sup>2</sup> 8	22°14	0 <sup>3</sup> 42	27° 4	7°11	14°57	28°42	18°29	26°42	26°14	25° 3	11°50	9°29	T 5
W 6	9 2 17	16°44'41	12°25	23°33	1°51	26°58	7°25	15° 4	28°44	18°27	26°43	26° 7	25° 0	11°57	9°34	W 6
T 7	9 6 14	17°45'25	24°29	24°54	2°59	26°51	7°39	15°10	28°47	18°25	26°45	26° 2	24°56	12° 4	9°38	T 7
F 8	9 10 11	18°46'07	6 <sup>1</sup> 23	26°15	4° 7	26°44	7°53	15°17	28°50	18°23	26°47	25°59	24°53	12°10	9°43	F 8
S 9	9 14 7	19°46'48	18°13	27°38	5°16	26°36	8° 8	15°24	28°53	18°22	26°48	25°D57	24°50	12°17	9°48	S 9
S 10	9 18 4	20°47'29	0 <sup>2</sup> 3	29° 2	6°24	26°26	8°22	15°31	28°56	18°20	26°50	25°58	24°47	12°24	9°52	S 10
M 11	9 22 0	21°48'08	12° 0	0 <sup>2</sup> 27	7°33	26°17	8°36	15°38	28°58	18°18	26°51	25°59	24°44	12°30	9°57	M 11
T 12	9 25 57	22°48'46	24° 8	1°54	8°42	26° 6	8°50	15°45	29° 1	18°17	26°53	26°R 0	24°41	12°37	10° 2	T 12
W 13	9 29 53	23°49'22	6 <sup>2</sup> 31	3°21	9°51	25°54	9° 4	15°52	29° 4	18°15	26°54	25°59	24°37	12°44	10° 6	W 13
T 14	9 33 50	24°49'58	19°15	4°49	11° 0	25°42	9°18	15°59	29° 7	18°13	26°55	25°56	24°34	12°50	10°11	T 14
F 15	9 37 46	25°50'32	2 <sup>2</sup> 20	6°18	12°10	25°29	9°32	16° 6	29°10	18°12	26°57	25°51	24°31	12°57	10°16	F 15
S 16	9 41 43	26°51'04	15°49	7°49	13°19	25°16	9°46	16°13	29°13	18°10	26°58	25°44	24°28	13° 4	10°20	S 16
S 17	9 45 40	27°51'35	29°38	9°20	14°29	25° 1	10° 0	16°20	29°16	18° 8	26°59	25°34	24°25	13°10	10°25	S 17
M 18	9 49 36	28°52'04	13 <sup>1</sup> 45	10°52	15°38	24°46	10°14	16°28	29°19	18° 7	27° 1	25°23	24°21	13°17	10°29	M 18
T 19	9 53 33	29°52'32	28° 3	12°25	16°48	24°30	10°27	16°35	29°22	18° 5	27° 2	25°13	24°18	13°24	10°34	T 19
W 20	9 57 29	0 <sup>1</sup> 52'58	12 <sup>1</sup> 28	14° 0	17°58	24°13	10°41	16°42	29°26	18° 3	27° 3	25° 3	24°15	13°31	10°39	W 20
T 21	10 1 26	1°53'22	26°53	15°35	19° 8	23°56	10°55	16°49	29°29	18° 2	27° 4	24°57	24°12	13°37	10°43	T 21
F 22	10 5 22	2°53'44	11 <sup>1</sup> 14	17°11	20°17	23°38	11° 9	16°56	29°32	18° 0	27° 5	24°52	24° 9	13°44	10°48	F 22
S 23	10 9 19	3°54'04	25°26	18°48	21°28	23°20	11°23	17° 4	29°35	17°59	27° 7	24°50	24° 6	13°51	10°52	S 23
S 24	10 13 15	4°54'22	9 <sup>1</sup> 30	20°26	22°38	23° 1	11°36	17°11	29°38	17°57	27° 8	24°D50	24° 2	13°57	10°56	S 24
M 25	10 17 12	5°54'37	23°23	22° 5	23°48	22°41	11°50	17°18	29°41	17°55	27° 9	24°R51	23°59	14° 4	11° 1	M 25
T 26	10 21 9	6°54'51	7 <sup>2</sup> 6	23°45	24°58	22°21	12° 4	17°26	29°45	17°54	27°10	24°50	23°56	14°11	11° 5	T 26
W 27	10 25 5	7°55'03	20°40	25°26	26° 9	22° 0	12°17	17°33	29°48	17°52	27°11	24°48	23°53	14°17	11°10	W 27
T 28	10 29 2	8°55'13	4 <sup>2</sup> 4	27° 8	27°19	21°39	12°31	17°40	29°51	17°51	27°12	24°42	23°50	14°24	11°14	T 28
F 29	10 32 58	9 <sup>1</sup> 55'21	17 <sup>1</sup> 18	28 <sup>2</sup> 52	28 <sup>3</sup> 30	21 <sup>1</sup> 18	12 <sup>2</sup> 44	17 <sup>1</sup> 48	29 <sup>1</sup> 54	17 <sup>1</sup> 49	27 <sup>2</sup> 13	24 <sup>1</sup> 34	23 <sup>1</sup> 47	14 <sup>1</sup> 31	11 <sup>2</sup> 18	F 29

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	17s18	21n31	3n24	22s11	0n11	20s47	2n38	4n24	3n38	19s14	0s30	7s52	1s55	1s15	0s43	15n33	0n18	17s 2	6n23	23n26	23n23	11s52	11s47	6n26			
S 2	17 1	18 17	4 12	22 10	0 2	20 52	2 35	4 26	3 40	19 10	0 30	7 50	1 55	1 14	0 43	15 34	0 18	17 2	6 23	23 26	23 23	11 55	11 45	6 26			
S 3	16 44	14 12	4 46	22 8	0s 6	20 56	2 31	4 29	3 41	19 7	0 31	7 47	1 55	1 12	0 43	15 34	0 18	17 2	6 23	23 25	23 23	11 58	11 44	6 26			
M 4	16 26	9 34	5 4	22 5	0 15	21 0	2 28	4 32	3 43	19 3	0 31	7 44	1 54	1 11	0 43	15 35	0 18	17 2	6 23	23 25	23 23	12 0	11 43	6 26			
T 5	16 8	4 38	5 6	22 1	0 23	21 4	2 24	4 36	3 44	19 0	0 31	7 42	1 54	1 10	0 43	15 36	0 18	17 2	6 23	23 25	23 23	12 3	11 42	6 26			
W 6	15 50	0s23	4 55	21 55	0 31	21 7	2 21	4 39	3 45	18 56	0 31	7 39	1 54	1 9	0 43	15 36	0 18	17 2	6 24	23 25	23 23	12 5	11 41	6 26			
T 7	15 32	5 18	4 30	21 49	0 39	21 9	2 17	4 43	3 47	18 53	0 31	7 36	1 54	1 8	0 43	15 37	0 18	17 2	6 24	23 25	23 22	12 8	11 39	6 26			
F 8	15 13	9 58	3 54	21 41	0 46	21 11	2 13	4 47	3 48	18 49	0 31	7 34	1 54	1 7	0 43	15 37	0 18	17 2	6 24	23 25	23 22	12 11	11 38	6 26			
S 9	14 54	14 15	3 9	21 32	0 53	21 13	2 9	4 52	3 49	18 46	0 31	7 31	1 54	1 6	0 43	15 38	0 18	17 2	6 24	23 25	23 22	12 13	11 37	6 26			
S 10	14 35	18 0	2 15	21 22	1 0	21 13	2 6	4 57	3 51	18 42	0 31	7 28	1 54	1 5	0 43	15 38	0 18	17 2	6 24	23 25	23 22	12 16	11 36	6 26			
M 11	14 15	21 2	1 14	21 10	1 7	21 14	2 2	5 2	3 52	18 38	0 31	7 26	1 54	1 3	0 42	15 39	0 18	17 2	6 24	23 25	23 22	12 19	11 34	6 26			
T 12	13 56	23 10	0 10	20 57	1 13	21 13	1 58	5 7	3 53	18 35	0 31	7 23	1 54	1 2	0 42	15 39	0 18	17 2	6 24	23 25	23 22	12 21	11 33	6 26			
W 13	13 36	24 15	0s56	20 43	1 19	21 13	1 54	5 12	3 54	18 31	0 32	7 20	1 54	1 1	0 42	15 40	0 18	17 2	6 24	23 25	23 22	12 24	11 32	6 26			
T 14	13 16	24 5	2 1	20 28	1 25	21 11	1 50	5 18	3 55	18 28	0 32	7 17	1 54	1 0	0 42	15 40	0 18	17 2	6 24	23 25	23 22	12 27	11 30	6 26			
F 15	12 55	22 37	3 1	20 11	1 30	21 9	1 46	5 24	3 56	18 24	0 32	7 14	1 54	0 59	0 42	15 41	0 18	17 2	6 24	23 24	23 21	12 29	11 29	6 26			
S 16	12 35	19 50	3 53	19 53	1 36	21 6	1 42	5 31	3 57	18 20	0 32	7 12	1 54	0 57	0 42	15 41	0 18	17 2	6 24	23 24	23 21	12 32	11 28	6 26			
S 17	12 14	15 52	4 33	19 33	1 40	21 3	1 38	5 37	3 58	18 17	0 32	7 9	1 54	0 56	0 42	15 42	0 18	17 2	6 24	23 24	23 21	12 34	11 27	6 27			
M 18	11 53	10 58	4 57	19 12	1 45	21 0	1 34	5 44	3 59	18 13	0 32	7 6	1 54	0 55	0 42	15 42	0 18	17 2	6 24	23 23	23 21	12 37	11 25	6 27			
T 19	11 32	5 24	5 3	18 50	1 49	20 55	1 30	5 51	4 0	18 9	0 32	7 3	1 54	0 54	0 42	15 43	0 18	17 2	6 24	23 23	23 21	12 40	11 24	6 27			
W 20	11 10	0n30	4 49	18 27	1 53	20 50	1 26	5 58	4 0	18 6	0 32	7 0	1 54	0 53	0 42	15 43	0 18	17 2	6 25	23 23	23 21	12 42	11 23	6 27			
T 21	10 49	6 22	4 18	18 2	1 56	20 45	1 22	6 6	4 1	18 2	0 32	6 58	1 54	0 51	0 42	15 44	0 18	17 2	6 25	23 22	23 21	12 45	11 21	6 27			
F 22	10 27	11 53	3 30	17 36	1 59	20 39	1 18	6 13	4 1	17 58	0 33	6 55	1 54	0 50	0 42	15 44	0 18	17 2	6 25	23 22	23 20	12 47	11 20	6 27			
S 23	10 5	16 44	2 29	17 8	2 2	20 32	1 14	6 21	4 2	17 55	0 33	6 52	1 54	0 49	0 42	15 45	0 18	17 2	6 25	23 22	23 20	12 50	11 19	6 27			
S 24	9 43	20 35	1 21	16 39	2 4	20 25	1 10	6 29	4 2	17 51	0 33	6 49	1 54	0 47	0 42	15 45	0 18	17 2	6 25	23 22	23 20	12 53	11 17	6 27			
M 25	9 21	23 11	0 8	16 9	2 6	20 17	1 6	6 37	4 3	17 47	0 33	6 46	1 54	0 46	0 42	15 46	0 18	17 1	6 25	23 22	23 20	12 55	11 16	6 28			
T 26	8 59	24 21	1n 5	15 37	2 7	20 9	1 2	6 45	4 3	17 44	0 33	6 43	1 54	0 45	0 42	15 46	0 18	17 1	6 25	23 22	23 20	12 58	11 15	6 28			
W 27	8 37	24 4	2 12	15 4	2 8	20 0	0 58	6 54	4 3	17 40	0 33	6 41	1 54	0 44	0 42	15 47	0 18	17 1	6 25	23 22	23 20	13 1	11 14	6 28			
T 28	8 14	22 22	3 12	14 30	2 9	19 50	0 54	7 2	4 3	17 36	0 33	6 38	1 54	0 42	0 42	15 47	0 18	17 1	6 25	23 22	23 20	13 3	11 12	6 28			
F 29	7s52	19n29	4n 0	13s54	2s 9	19s40	0n50	7n10	4n 3	17s33	0s33	6s35	1s54	0s41	0s42	15n48	0n18	17s 1	6n25	23n22	23n19	13s 6	11s11	6n28			

ASTRODIENST EPHEMERIS for the year 1760  
geocentric

MARCH 1760

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	10 36 55	10♈55'26	0♍20	0♊36	29♊40	20°R56	12♌58	17♋55	29♋58	17°R48	27♊14	24°R23	23♊43	14♌37	11♌23	S 1
S 2	10 40 51	11°55'30	13°11	2°21	0♌51	20♍34	13°11	18° 2	0♍1	17♌46	27°15	24♊10	23°40	14°44	11°27	S 2
M 3	10 44 48	12°55'32	25°48	4° 8	2° 2	20°11	13°24	18°10	0° 4	17°45	27°16	23°57	23°37	14°51	11°31	M 3
T 4	10 48 44	13°55'32	8♌12	5°55	3°13	19°48	13°38	18°17	0° 7	17°43	27°16	23°44	23°34	14°57	11°35	T 4
W 5	10 52 41	14°55'30	20°24	7°44	4°23	19°25	13°51	18°24	0°11	17°42	27°17	23°32	23°31	15° 4	11°39	W 5
T 6	10 56 38	15°55'27	2♌25	9°34	5°34	19° 2	14° 4	18°32	0°14	17°40	27°18	23°23	23°27	15°11	11°43	T 6
F 7	11 0 34	16°55'21	14°18	11°25	6°45	18°38	14°17	18°39	0°17	17°39	27°19	23°16	23°24	15°17	11°48	F 7
S 8	11 4 31	17°55'15	26° 6	13°17	7°56	18°15	14°30	18°47	0°21	17°37	27°19	23°12	23°21	15°24	11°52	S 8
S 9	11 8 27	18°55'06	7♊56	15°10	9° 8	17°51	14°43	18°54	0°24	17°36	27°20	23°11	23°18	15°31	11°56	S 9
M10	11 12 24	19°54'56	19°51	17° 4	10°19	17°27	14°56	19° 1	0°28	17°35	27°21	23°11	23°15	15°37	12° 0	M10
T 11	11 16 20	20°54'44	1♌57	19° 0	11°30	17° 4	15° 9	19° 9	0°31	17°33	27°21	23°10	23°12	15°44	12° 4	T 11
W12	11 20 17	21°54'30	14°20	20°56	12°41	16°40	15°22	19°16	0°34	17°32	27°22	23° 9	23° 8	15°51	12° 7	W12
T 13	11 24 13	22°54'15	27° 4	22°54	13°53	16°17	15°35	19°24	0°38	17°31	27°22	23° 6	23° 5	15°57	12°11	T 13
F 14	11 28 10	23°53'57	10♌14	24°52	15° 4	15°54	15°48	19°31	0°41	17°29	27°23	23° 1	23° 2	16° 4	12°15	F 14
S 15	11 32 7	24°53'38	23°51	26°51	16°16	15°31	16° 0	19°38	0°45	17°28	27°23	22°52	22°59	16°11	12°19	S 15
S 16	11 36 3	25°53'17	7♋54	28°51	17°27	15° 8	16°13	19°46	0°48	17°27	27°24	22°42	22°56	16°17	12°23	S 16
M17	11 40 0	26°52'54	22°20	0♍51	18°39	14°45	16°25	19°53	0°51	17°25	27°24	22°30	22°53	16°24	12°26	M17
T 18	11 43 56	27°52'29	7♍3	2°52	19°50	14°23	16°38	20° 0	0°55	17°24	27°25	22°18	22°49	16°31	12°30	T 18
W19	11 47 53	28°52'02	21°54	4°53	21° 2	14° 1	16°50	20° 8	0°58	17°23	27°25	22° 7	22°46	16°37	12°34	W19
T 20	11 51 49	29°51'33	6♌45	6°54	22°14	13°40	17° 3	20°15	1° 2	17°22	27°25	21°59	22°43	16°44	12°37	T 20
F 21	11 55 46	0♍51'02	21°28	8°55	23°25	13°19	17°15	20°22	1° 5	17°21	27°26	21°54	22°40	16°51	12°41	F 21
S 22	11 59 42	1°50'28	5♊56	10°55	24°37	12°59	17°27	20°30	1° 9	17°20	27°26	21°51	22°37	16°57	12°44	S 22
S 23	12 3 39	2°49'52	20° 8	12°55	25°49	12°39	17°39	20°37	1°12	17°19	27°26	21°D51	22°33	17° 4	12°48	S 23
M24	12 7 35	3°49'14	4♌2	14°53	27° 1	12°20	17°51	20°44	1°15	17°18	27°26	21°R51	22°30	17°11	12°51	M24
T 25	12 11 32	4°48'33	17°38	16°50	28°12	12° 1	18° 3	20°52	1°19	17°16	27°27	21°50	22°27	17°17	12°55	T 25
W26	12 15 29	5°47'50	0♌59	18°45	29°24	11°43	18°15	20°59	1°22	17°15	27°27	21°48	22°24	17°24	12°58	W26
T 27	12 19 25	6°47'05	14° 5	20°37	0♋36	11°25	18°27	21° 6	1°26	17°14	27°27	21°43	22°21	17°31	13° 1	T 27
F 28	12 23 22	7°46'17	26°59	22°27	1°48	11° 9	18°38	21°13	1°29	17°14	27°27	21°35	22°18	17°37	13° 4	F 28
S 29	12 27 18	8°45'27	9♍41	24°14	3° 0	10°52	18°50	21°20	1°33	17°13	27°27	21°25	22°14	17°44	13° 8	S 29
S 30	12 31 15	9°44'35	22°13	25°57	4°12	10°37	19° 1	21°28	1°36	17°12	27°R27	21°13	22°11	17°51	13°11	S 30
M31	12 35 11	10♍43'40	4♌35	27♍36	5♋24	10♍22	19♌13	21♋35	1°Y39	17♌11	27♊27	21♊0	22♊8	17♌57	13♌14	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	7s29	15n39	4n35	13s17	2s 9	19s30	0n46	7n19	4n 3	17s29	0s34	6s32	1s54	0s40	0s42	15n48	0n18	17s 1	6n26	23n21	23n19	13s 8	11s10	6n28	
S 2	7 6	11 9	4 55	12 39	2 8	19 18	0 42	7 27	4 2	17 25	0 34	6 29	1 54	0 38	0 42	15 49	0 18	17 1	6 26	23 21	23 19	13 11	11 8	6 29	
M 3	6 43	6 16	5 0	11 59	2 7	19 7	0 38	7 36	4 2	17 22	0 34	6 26	1 54	0 37	0 42	15 49	0 18	17 1	6 26	23 20	23 19	13 13	11 7	6 29	
T 4	6 20	1 12	4 51	11 18	2 6	18 54	0 34	7 45	4 2	17 18	0 34	6 23	1 54	0 36	0 42	15 50	0 18	17 1	6 26	23 19	23 19	13 16	11 6	6 29	
W 5	5 57	3s50	4 29	10 35	2 4	18 42	0 31	7 53	4 1	17 14	0 34	6 20	1 54	0 34	0 42	15 50	0 18	17 1	6 26	23 19	23 19	13 19	11 4	6 29	
T 6	5 34	8 39	3 54	9 52	2 1	18 28	0 27	8 2	4 0	17 10	0 34	6 18	1 54	0 33	0 42	15 51	0 18	17 1	6 26	23 18	23 19	13 21	11 3	6 29	
F 7	5 10	13 7	3 10	9 7	1 58	18 14	0 23	8 11	4 0	17 7	0 34	6 15	1 54	0 32	0 42	15 51	0 18	17 1	6 26	23 18	23 18	13 24	11 2	6 30	
S 8	4 47	17 4	2 18	8 20	1 54	18 0	0 19	8 19	3 59	17 3	0 34	6 12	1 54	0 30	0 42	15 52	0 18	17 0	6 26	23 18	23 18	13 26	11 0	6 30	
S 9	4 23	20 21	1 20	7 33	1 50	17 45	0 15	8 27	3 58	16 59	0 35	6 9	1 54	0 29	0 42	15 52	0 18	17 0	6 26	23 18	23 18	13 29	10 59	6 30	
M10	4 0	22 47	0 18	6 44	1 46	17 30	0 12	8 36	3 57	16 56	0 35	6 6	1 54	0 28	0 42	15 52	0 18	17 0	6 26	23 18	23 18	13 32	10 58	6 30	
T 11	3 36	24 14	0s46	5 54	1 41	17 14	0 8	8 44	3 56	16 52	0 35	6 3	1 54	0 26	0 42	15 53	0 18	17 0	6 27	23 18	23 18	13 34	10 56	6 31	
W12	3 13	24 31	1 49	5 3	1 35	16 57	0 4	8 52	3 55	16 48	0 35	6 0	1 54	0 25	0 42	15 53	0 18	17 0	6 27	23 18	23 18	13 37	10 55	6 31	
T 13	2 49	23 32	2 49	4 11	1 29	16 40	0 1	9 0	3 53	16 45	0 35	5 58	1 54	0 23	0 42	15 54	0 18	17 0	6 27	23 17	23 17	13 39	10 54	6 31	
F 14	2 26	21 15	3 41	3 18	1 22	16 23	0s 3	9 8	3 52	16 41	0 35	5 55	1 55	0 22	0 42	15 54	0 18	17 0	6 27	23 17	23 17	13 42	10 53	6 31	
S 15	2 2	17 44	4 23	2 24	1 14	16 5	0 7	9 15	3 50	16 38	0 36	5 52	1 55	0 21	0 42	15 54	0 18	17 0	6 27	23 17	23 17	13 44	10 51	6 32	
S 16	1 38	13 6	4 51	1 29	1 7	15 47	0 10	9 23	3 49	16 34	0 36	5 49	1 55	0 19	0 42	15 55	0 18	17 0	6 27	23 16	23 17	13 47	10 50	6 32	
M17	1 14	7 38	5 0	0 33	0 58	15 28	0 13	9 30	3 47	16 30	0 36	5 46	1 55	0 18	0 42	15 55	0 18	17 0	6 27	23 15	23 17	13 50	10 49	6 32	
T 18	0 51	1 39	4 51	0n23	0 49	15 9	0 17	9 37	3 46	16 27	0 36	5 43	1 55	0 17	0 42	15 56	0 18	16 59	6 27	23 15	23 17	13 52	10 48	6 32	
W19	0 27	4n30	4 21	1 20	0 40	14 49	0 20	9 44	3 44	16 23	0 36	5 40	1 55	0 15	0 42	15 56	0 18	16 59	6 27	23 14	23 16	13 55	10 46	6 33	
T 20	0 3	10 25	3 34	2 17	0 30	14 29	0 23	9 50	3 42	16 19	0 36	5 38	1 55	0 14	0 42	15 56	0 18	16 59	6 28	23 14	23 16	13 57	10 45	6 33	
F 21	0n20	15 41	2 33	3 15	0 19	14 9	0 27	9 57	3 40	16 16	0 36	5 35	1 55	0 13	0 42	15 57	0 18	16 59	6 28	23 13	23 16	14 0	10 44	6 33	
S 22	0 44	19 58	1 23	4 12	0 9	13 48	0 30	10 3	3 38	16 12	0 37	5 32	1 55	0 11	0 42	15 57	0 18	16 59	6 28	23 13	23 16	14 2	10 43	6 34	
S 23	1 8	22 57	0 9	5 9	0n 2	13 27	0 33	10 8	3 36	16 9	0 37	5 29	1 55	0 10	0 42	15 57	0 18	16 59	6 28	23 13	23 16	14 5	10 41	6 34	
M24	1 31	24 29	1n 4	6 5	0 14	13 5	0 36	10 14	3 34	16 5	0 37	5 26	1 55	0 8	0 42	15 58	0 18	16 59	6 28	23 13	23 16	14 8	10 40	6 34	
T 25	1 55	24 29	2 12	7 1	0 26	12 43	0 39	10 19	3 31	16 2	0 37	5 24	1 55	0 7	0 42	15 58	0 18	16 59	6 28	23 13	23 15	14 10	10 39	6 35	
W26	2 18	23 5	3 11	7 56	0 37	12 21	0 42	10 24	3 29	15 58	0 37	5 21	1 55	0 6	0 42	15 58	0 18	16 59	6 28	23 13	23 15	14 13	10 38	6 35	
T 27	2 42	20 26	3 59	8 49	0 49	11 58	0 45	10 29	3 27	15 55	0 37	5 18	1 55	0 4	0 42	15 59	0 18	16 58	6 28	23 13	23 15	14 15	10 36	6 35	
F 28	3 5	16 50	4 34	9 42	1 1	11 35	0 48	10 33	3 24	15 51	0 38	5 15	1 56	0 3	0 42	15 59	0 18	16 58	6 28	23 12	23 15	14 18	10 35	6 35	
S 29	3 29	12 30	4 55	10 32	1 13	11 12	0 50	10 37	3 22	15 48	0 38	5 12	1 56	0 2	0 42	15 59	0 18	16 58	6 29	23 12	23 15	14 20	10 34	6 36	
S 30	3 52	7 42	5 1	11 21	1 25	10 48	0 53	10 40	3 20	15 44	0 38	5 10	1 56	0 0	0 42	15 59	0 18	16 58	6 29	23 11	23 14	14 23	10 33	6 36	
M31	4n15	2n40	4n53	12n 7	1n36	10s24	0s56	10n44	3n17	15s41	0s38	5s 7	1s56	0n 1	0s42	16n 0	0n18	16s58	6n29	23n10	23n14	14s25	10s32	6n36	



# ASTRODIENST EPHEMERIS for the year 1760

## geocentric

MAY 1760

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	14 37 25	10♂59'51	19♂27	5°R33	12°Y47	9♂2	24♂14	24♂59	3°Y18	16♂59	27°R11	18°R42	20♂30	21♂24	14♂21	T 1
F 2	14 41 21	11°57'56	1♂16	4♂58	14° 0	9°11	24°22	25° 5	3°21	16°59	27♂10	18♂39	20°26	21°31	14°22	F 2
S 3	14 45 18	12°55'58	13° 4	4°25	15°12	9°20	24°30	25°11	3°24	16°59	27° 9	18°D37	20°23	21°37	14°23	S 3
S 4	14 49 14	13°54'00	24°56	3°55	16°25	9°30	24°37	25°16	3°27	17° 0	27° 8	18°37	20°20	21°44	14°24	S 4
M 5	14 53 11	14°52'00	6♂53	3°28	17°38	9°41	24°44	25°22	3°29	17° 0	27° 7	18°38	20°17	21°51	14°25	M 5
T 6	14 57 7	15°49'58	19° 1	3° 6	18°50	9°52	24°52	25°28	3°32	17° 0	27° 6	18°40	20°14	21°57	14°26	T 6
W 7	15 1 4	16°47'55	1♂22	2°47	20° 3	10° 4	24°59	25°33	3°35	17° 0	27° 5	18°42	20°10	22° 4	14°27	W 7
T 8	15 5 0	17°45'51	14° 3	2°32	21°16	10°16	25° 6	25°39	3°38	17° 1	27° 4	18°R42	20° 7	22°11	14°27	T 8
F 9	15 8 57	18°43'46	27° 6	2°22	22°28	10°29	25°12	25°44	3°40	17° 1	27° 3	18°42	20° 4	22°17	14°28	F 9
S 10	15 12 54	19°41'39	10♂35	2°16	23°41	10°42	25°19	25°49	3°43	17° 2	27° 2	18°41	20° 1	22°24	14°29	S 10
S 11	15 16 50	20°39'31	24°31	2°D15	24°54	10°56	25°25	25°55	3°45	17° 2	27° 0	18°38	19°58	22°31	14°29	S 11
M12	15 20 47	21°37'22	8°Y55	2°18	26° 7	11°10	25°32	26° 0	3°48	17° 2	26°59	18°35	19°55	22°37	14°30	M12
T 13	15 24 43	22°35'11	23°42	2°26	27°19	11°25	25°38	26° 5	3°51	17° 3	26°58	18°31	19°51	22°44	14°30	T 13
W14	15 28 40	23°32'59	8♂47	2°39	28°32	11°41	25°44	26°10	3°53	17° 3	26°57	18°28	19°48	22°51	14°30	W14
T 15	15 32 36	24°30'46	23°59	2°56	29°45	11°56	25°49	26°15	3°56	17° 4	26°56	18°25	19°45	22°57	14°31	T 15
F 16	15 36 33	25°28'32	9♂10	3°17	0♂58	12°13	25°55	26°20	3°58	17° 5	26°54	18°24	19°42	23° 4	14°31	F 16
S 17	15 40 29	26°26'16	24°10	3°43	2°10	12°30	26° 1	26°25	4° 0	17° 5	26°53	18°D24	19°39	23°11	14°31	S 17
S 18	15 44 26	27°23'59	8♂52	4°13	3°23	12°47	26° 6	26°30	4° 3	17° 6	26°52	18°25	19°35	23°17	14°31	S 18
M19	15 48 23	28°21'40	23° 9	4°47	4°36	13° 5	26°11	26°35	4° 5	17° 7	26°50	18°26	19°32	23°24	14°R31	M19
T 20	15 52 19	29°19'20	7♂2	5°25	5°49	13°23	26°16	26°39	4° 7	17° 7	26°49	18°27	19°29	23°31	14°31	T 20
W21	15 56 16	0♂16'58	20°27	6° 7	7° 2	13°42	26°21	26°44	4°10	17° 8	26°48	18°28	19°26	23°37	14°31	W21
T 22	16 0 12	1°14'35	3♂29	6°53	8°14	14° 1	26°25	26°49	4°12	17° 9	26°46	18°R28	19°23	23°44	14°31	T 22
F 23	16 4 9	2°12'10	16°10	7°42	9°27	14°20	26°30	26°53	4°14	17°10	26°45	18°28	19°20	23°51	14°31	F 23
S 24	16 8 5	3° 9'43	28°34	8°35	10°40	14°40	26°34	26°57	4°16	17°11	26°44	18°27	19°16	23°57	14°30	S 24
S 25	16 12 2	4° 7'15	10♂45	9°31	11°53	15° 0	26°38	27° 2	4°18	17°11	26°42	18°25	19°13	24° 4	14°30	S 25
M26	16 15 58	5° 4'46	22°45	10°30	13° 6	15°21	26°42	27° 6	4°20	17°12	26°41	18°23	19°10	24°11	14°30	M26
T 27	16 19 55	6° 2'15	4♂39	11°33	14°19	15°42	26°46	27°10	4°22	17°13	26°39	18°21	19° 7	24°17	14°29	T 27
W28	16 23 52	6°59'44	16°28	12°39	15°31	16° 3	26°49	27°14	4°24	17°14	26°38	18°20	19° 4	24°24	14°29	W28
T 29	16 27 48	7°57'11	28°17	13°48	16°44	16°25	26°53	27°18	4°26	17°15	26°37	18°18	19° 1	24°31	14°28	T 29
F 30	16 31 45	8°54'37	10♂6	15° 0	17°57	16°47	26°56	27°22	4°28	17°16	26°35	18°18	18°57	24°37	14°27	F 30
S 31	16 35 41	9♂52'03	21♂59	16♂15	19♂10	17♂10	26♂59	27♂26	4°Y30	17♂17	26♂34	18°D18	18♂54	24♂44	14♂27	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	15n 9	15s11	2n32	13n11	0s13	3n31	1s40	10n 1	1n58	14s 9	0s44	3s50	2s 0	0n40	0s42	16n 3
F 2	15 27	18 55	1 33	12 43	0 31	3 59	1 41	9 56	1 56	14 7	0 44	3 48	2 0	0 41	0 42	16 3
S 3	15 44	21 54	0 30	12 16	0 47	4 27	1 41	9 50	1 54	14 5	0 45	3 46	2 0	0 42	0 42	16 3
S 4	16 2	23 57	0s34	11 50	1 4	4 55	1 41	9 44	1 51	14 2	0 45	3 44	2 1	0 43	0 42	16 3
M 5	16 19	24 56	1 38	11 26	1 20	5 22	1 41	9 38	1 49	14 0	0 45	3 41	2 1	0 45	0 42	16 3
T 6	16 36	24 44	2 39	11 4	1 35	5 50	1 41	9 32	1 47	13 58	0 45	3 39	2 1	0 46	0 42	16 3
W 7	16 53	23 20	3 33	10 44	1 50	6 18	1 41	9 25	1 45	13 56	0 46	3 37	2 1	0 47	0 42	16 3
T 8	17 9	20 45	4 18	10 26	2 3	6 45	1 40	9 19	1 42	13 54	0 46	3 35	2 1	0 48	0 42	16 3
F 9	17 25	17 4	4 52	10 11	2 16	7 13	1 40	9 12	1 40	13 52	0 46	3 33	2 2	0 49	0 42	16 3
S 10	17 41	12 24	5 11	9 58	2 28	7 40	1 40	9 5	1 38	13 50	0 46	3 31	2 2	0 50	0 42	16 3
S 11	17 56	6 57	5 12	9 47	2 39	8 7	1 39	8 57	1 36	13 48	0 47	3 30	2 2	0 51	0 42	16 3
M12	18 12	0 58	4 54	9 39	2 48	8 34	1 39	8 50	1 34	13 46	0 47	3 28	2 2	0 52	0 42	16 2
T 13	18 27	5n14	4 17	9 34	2 57	9 0	1 38	8 42	1 32	13 44	0 47	3 26	2 2	0 53	0 42	16 2
W14	18 41	11 16	3 21	9 30	3 5	9 27	1 37	8 35	1 30	13 42	0 47	3 24	2 3	0 54	0 43	16 2
T 15	18 55	16 41	2 10	9 30	3 12	9 53	1 37	8 27	1 28	13 40	0 48	3 22	2 3	0 55	0 43	16 2
F 16	19 9	21 1	0 51	9 32	3 18	10 19	1 36	8 19	1 26	13 39	0 48	3 20	2 3	0 56	0 43	16 2
S 17	19 19	23 52	0n32	9 36	3 23	10 45	1 35	8 10	1 24	13 37	0 48	3 19	2 3	0 57	0 43	16 2
S 18	19 36	25 1	1 51	9 42	3 27	11 11	1 34	8 2	1 22	13 36	0 48	3 17	2 3	0 58	0 43	16 1
M19	19 49	24 27	3 0	9 50	3 30	11 37	1 33	7 53	1 20	13 34	0 49	3 15	2 4	0 58	0 43	16 1
T 20	20 2	22 22	3 57	10 1	3 32	12 2	1 32	7 44	1 18	13 33	0 49	3 13	2 4	0 59	0 43	16 1
W21	20 14	19 6	4 39	10 13	3 33	12 27	1 31	7 36	1 16	13 31	0 49	3 12	2 4	1 0	0 43	16 1
T 22	20 26	14 59	5 5	10 28	3 34	12 51	1 30	7 26	1 14	13 30	0 49	3 10	2 4	1 1	0 43	16 0
F 23	20 38	10 19	5 16	10 44	3 33	13 16	1 29	7 17	1 12	13 29	0 50	3 9	2 5	1 2	0 43	16 0
S 24	20 49	5 20	5 11	11 2	3 32	13 40	1 27	7 8	1 11	13 27	0 50	3 7	2 5	1 3	0 43	16 0
S 25	21 0	0 14	4 53	11 21	3 30	14 3	1 26	6 58	1 9	13 26	0 50	3 6	2 5	1 4	0 43	16 0
M26	21 10	4s49	4 21	11 42	3 28	14 27	1 24	6 49	1 7	13 25	0 50	3 4	2 5	1 4	0 43	15 59
T 27	21 21	9 39	3 39	12 4	3 24	14 50	1 23	6 39	1 5	13 24	0 51	3 3	2 5	1 5	0 43	15 59
W28	21 30	14 7	2 47	12 28	3 20	15 13	1 21	6 29	1 4	13 23	0 51	3 1	2 6	1 6	0 43	15 59
T 29	21 40	18 2	1 49	12 53	3 16	15 35	1 20	6 19	1 2	13 22	0 51	3 0	2 6	1 7	0 43	15 58
F 30	21 49	21 15	0 45	13 19	3 10	15 57	1 18	6 9	1 0	13 21	0 51	2 59	2 6	1 7	0 43	15 58
S 31	21n58	23s34	0s20	13n46	3s 5	16n19	1s17	5n58	0n58	13s21	0s52	2s57	2s 6	1n 8	0s43	15n58

Julian Day Number = 2364007.5, Delta T = 18.93 sec  
 Ecliptic obliquity = 23°28'15", Nutation = - 0°00'18", out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 21°23'39", Lahiri = 20°30'40"Greg. Calendar



ASTRODIENST EPHEMERIS for the year 1760  
geocentric

JUNE 1760

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	16 39 38	10 <sup>II</sup> 49'27	3 <sup>☿</sup> 57	17 <sup>♈</sup> 32	20 <sup>♉</sup> 23	17 <sup>♊</sup> 33	27 <sup>♋</sup> 2	27 <sup>♌</sup> 29	4 <sup>♍</sup> 32	17 <sup>♎</sup> 18	26 <sup>♏</sup> R32	18 <sup>♐</sup> 18	18 <sup>♑</sup> 51	24 <sup>♒</sup> 51	14 <sup>♓</sup> R26	S 1
M 2	16 43 34	11°46'51	16° 3	18°53	21°36	17°56	27° 5	27°33	4°34	17°20	26 <sup>♐</sup> 31	18°19	18°48	24°57	14 <sup>♓</sup> 25	M 2
T 3	16 47 31	12°44'14	28°20	20°17	22°49	18°19	27° 7	27°37	4°35	17°21	26°29	18°19	18°45	25° 4	14°24	T 3
W 4	16 51 27	13°41'36	10 <sup>♈</sup> 49	21°43	24° 2	18°43	27° 9	27°40	4°37	17°22	26°28	18°20	18°41	25°11	14°23	W 4
T 5	16 55 24	14°38'57	23°34	23°13	25°15	19° 7	27°11	27°44	4°39	17°23	26°26	18°20	18°38	25°17	14°22	T 5
F 6	16 59 21	15°36'18	6 <sup>♈</sup> 39	24°45	26°28	19°32	27°13	27°47	4°40	17°24	26°25	18°20	18°35	25°24	14°21	F 6
S 7	17 3 17	16°33'39	20° 4	26°20	27°41	19°56	27°15	27°50	4°42	17°26	26°23	18°R20	18°32	25°31	14°19	S 7
S 8	17 7 14	17°30'59	3 <sup>♊</sup> 52	27°58	28°54	20°21	27°17	27°53	4°44	17°27	26°22	18°20	18°29	25°37	14°18	S 8
M 9	17 11 10	18°28'18	18° 3	29°38	0 <sup>♊</sup> 7	20°47	27°18	27°56	4°45	17°28	26°20	18°D20	18°26	25°44	14°17	M 9
T 10	17 15 7	19°25'37	2 <sup>♊</sup> 35	1 <sup>♊</sup> 21	1°20	21°12	27°19	27°59	4°46	17°29	26°19	18°20	18°22	25°51	14°16	T 10
W11	17 19 3	20°22'56	17°25	3° 7	2°33	21°38	27°20	28° 2	4°48	17°31	26°17	18°20	18°19	25°57	14°14	W11
T 12	17 23 0	21°20'15	2 <sup>♊</sup> 25	4°55	3°46	22° 4	27°21	28° 5	4°49	17°32	26°15	18°21	18°16	26° 4	14°13	T 12
F 13	17 26 56	22°17'33	17°29	6°46	4°59	22°31	27°22	28° 8	4°51	17°34	26°14	18°R21	18°13	26°10	14°11	F 13
S 14	17 30 53	23°14'50	2 <sup>♊</sup> 27	8°40	6°12	22°58	27°22	28°10	4°52	17°35	26°12	18°21	18°10	26°17	14° 9	S 14
S 15	17 34 50	24°12'07	17°11	10°36	7°26	23°25	27°22	28°13	4°53	17°36	26°11	18°20	18° 7	26°24	14° 8	S 15
M16	17 38 46	25° 9'23	1 <sup>♊</sup> 35	12°34	8°39	23°52	27°R22	28°15	4°54	17°38	26° 9	18°20	18° 3	26°30	14° 6	M16
T 17	17 42 43	26° 6'39	15°35	14°35	9°52	24°20	27°22	28°17	4°55	17°39	26° 8	18°19	18° 0	26°37	14° 4	T 17
W18	17 46 39	27° 3'54	29° 8	16°38	11° 5	24°47	27°22	28°19	4°56	17°41	26° 6	18°18	17°57	26°44	14° 2	W18
T 19	17 50 36	28° 1'08	12 <sup>♊</sup> 15	18°42	12°18	25°15	27°21	28°22	4°57	17°43	26° 5	18°17	17°54	26°50	14° 0	T 19
F 20	17 54 32	28°58'21	24°59	20°48	13°31	25°44	27°20	28°24	4°58	17°44	26° 3	18°D17	17°51	26°57	13°59	F 20
S 21	17 58 29	29°55'34	7 <sup>♊</sup> 23	22°56	14°45	26°12	27°19	28°26	4°59	17°46	26° 1	18°17	17°47	27° 4	13°57	S 21
S 22	18 2 25	0 <sup>♊</sup> 52'47	19°32	25° 5	15°58	26°41	27°18	28°27	5° 0	17°47	26° 0	18°17	17°44	27°10	13°54	S 22
M23	18 6 22	1°49'58	1 <sup>♊</sup> 29	27°15	17°11	27°10	27°17	28°29	5° 1	17°49	25°58	18°18	17°41	27°17	13°52	M23
T 24	18 10 19	2°47'10	13°20	29°25	18°24	27°39	27°15	28°31	5° 2	17°51	25°57	18°20	17°38	27°24	13°50	T 24
W25	18 14 15	3°44'21	25° 8	1 <sup>♊</sup> 36	19°38	28° 9	27°13	28°32	5° 3	17°52	25°55	18°21	17°35	27°30	13°48	W25
T 26	18 18 12	4°41'31	6 <sup>♊</sup> 57	3°47	20°51	28°38	27°12	28°34	5° 3	17°54	25°54	18°22	17°32	27°37	13°46	T 26
F 27	18 22 8	5°38'42	18°51	5°58	22° 4	29° 8	27° 9	28°35	5° 4	17°56	25°52	18°R22	17°28	27°44	13°44	F 27
S 28	18 26 5	6°35'52	0 <sup>♊</sup> 51	8° 8	23°17	29°38	27° 7	28°36	5° 5	17°58	25°51	18°22	17°25	27°50	13°41	S 28
S 29	18 30 1	7°33'02	13° 0	10°18	24°31	0 <sup>♊</sup> 8	27° 5	28°37	5° 5	17°59	25°49	18°20	17°22	27°57	13°39	S 29
M30	18 33 58	8 <sup>♊</sup> 30'13	25 <sup>♊</sup> 20	12 <sup>♊</sup> 27	25 <sup>♊</sup> 44	0 <sup>♊</sup> 39	27 <sup>♊</sup> 2	28 <sup>♊</sup> 38	5 <sup>♊</sup> 6	18 <sup>♊</sup> 1	25 <sup>♊</sup> 48	18 <sup>♊</sup> 18	17 <sup>♊</sup> 19	28 <sup>♊</sup> 4	13 <sup>♊</sup> 36	M30

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	lat
S 1	22n 6	24s51	1s26	14n14	2s58	16n40	1s15	5n48	0n57	13s20	0s52	2s56	2s 7	1n 9	0s43	15n58	0n18	16s54	6n32	22n57	23n 0	16s58	9s47	7n 2										
M 2	22 14	24 57	2 28	14 43	2 51	17 1	1 13	5 37	0 55	13 19	0 52	2 55	2 7	1 9	0 43	15 57	0 18	16 54	6 32	22 57	23 0	17 0	9 47	7 3										
T 3	22 21	23 52	3 25	15 13	2 43	17 21	1 11	5 27	0 54	13 19	0 52	2 54	2 7	1 10	0 43	15 57	0 18	16 54	6 32	22 57	23 0	17 3	9 47	7 3										
W 4	22 28	21 35	4 12	15 43	2 35	17 41	1 9	5 16	0 52	13 18	0 53	2 53	2 7	1 11	0 43	15 56	0 18	16 54	6 32	22 57	22 59	17 5	9 46	7 4										
T 5	22 35	18 13	4 49	16 14	2 27	18 1	1 8	5 5	0 50	13 18	0 53	2 51	2 8	1 11	0 43	15 56	0 18	16 54	6 32	22 57	22 59	17 8	9 46	7 4										
F 6	22 42	13 54	5 11	16 45	2 18	18 20	1 6	4 54	0 49	13 17	0 53	2 50	2 8	1 12	0 43	15 56	0 18	16 54	6 31	22 57	22 59	17 10	9 46	7 4										
S 7	22 47	8 48	5 18	17 17	2 8	18 38	1 4	4 43	0 47	13 17	0 54	2 49	2 8	1 13	0 43	15 55	0 18	16 54	6 31	22 57	22 59	17 12	9 46	7 5										
S 8	22 53	3 9	5 6	17 48	1 59	18 56	1 2	4 32	0 46	13 17	0 54	2 48	2 8	1 13	0 43	15 55	0 18	16 54	6 31	22 57	22 58	17 15	9 46	7 5										
M 9	22 58	2n50	4 36	18 20	1 48	19 14	1 0	4 20	0 44	13 16	0 54	2 47	2 9	1 14	0 43	15 55	0 18	16 54	6 31	22 57	22 58	17 17	9 46	7 5										
T 10	23 3	8 49	3 48	18 52	1 38	19 31	0 57	4 9	0 43	13 16	0 54	2 46	2 9	1 14	0 43	15 54	0 18	16 54	6 31	22 57	22 58	17 19	9 46	7 6										
W11	23 7	14 26	2 44	19 23	1 27	19 48	0 55	3 57	0 41	13 16	0 55	2 45	2 9	1 15	0 43	15 54	0 18	16 54	6 31	22 58	22 57	17 22	9 46	7 6										
T 12	23 11	19 15	1 27	19 54	1 16	20 4	0 53	3 45	0 40	13 16	0 55	2 45	2 9	1 15	0 43	15 53	0 18	16 54	6 31	22 58	22 57	17 24	9 46	7 7										
F 13	23 15	22 48	0 5	20 24	1 5	20 19	0 51	3 34	0 38	13 16	0 55	2 44	2 10	1 16	0 43	15 53	0 18	16 54	6 31	22 58	22 57	17 26	9 46	7 7										
S 14	23 18	24 44	1n18	20 54	0 54	20 34	0 49	3 22	0 37	13 16	0 55	2 43	2 10	1 16	0 43	15 52	0 18	16 54	6 31	22 58	22 57	17 29	9 47	7 7										
S 15	23 21	24 54	2 33	21 22	0 42	20 49	0 46	3 10	0 35	13 16	0 56	2 42	2 10	1 17	0 43	15 52	0 18	16 54	6 31	22 57	22 56	17 31	9 47	7 8										
M16	23 23	23 22	3 38	21 49	0 31	21 3	0 44	2 58	0 34	13 17	0 56	2 41	2 10	1 17	0 43	15 52	0 18	16 54	6 31	22 57	22 56	17 33	9 47	7 8										
T 17	23 25	20 26	4 27	22 15	0 20	21 16	0 42	2 45	0 33	13 17	0 56	2 41	2 11	1 18	0 43	15 51	0 18	16 54	6 31	22 57	22 56	17 36	9 47	7 8										
W18	23 26	16 28	5 0	22 40	0 8	21 29	0 40	2 33	0 31	13 17	0 57	2 40	2 11	1 18	0 44	15 51	0 18	16 54	6 30	22 57	22 55	17 38	9 47	7 9										
T 19	23 27	11 50	5 15	23 2	0n 3	21 41	0 37	2 21	0 30	13 18	0 57	2 40	2 11	1 18	0 44	15 50	0 18	16 55	6 30	22 57	22 55	17 40	9 47	7 9										
F 20	23 28	6 49	5 15	23 23	0 14	21 53	0 35	2 8	0 28	13 18	0 57	2 39	2 12	1 19	0 44	15 50	0 18	16 55	6 30	22 57	22 55	17 43	9 48	7 9										
S 21	23 28	1 39	5 0	23 41	0 24	22 4	0 33	1 56	0 27	13 19	0 57	2 39	2 12	1 19	0 44	15 49	0 18	16 55	6 30	22 57	22 55	17 45	9 48	7 10										
S 22	23 28	3s28	4 31	23 57	0 34	22 14	0 30	1 43	0 26	13 20	0 58	2 38	2 12	1 19	0 44	15 49	0 18	16 55	6 30	22 57	22 54	17 47	9 48	7 10										
M23	23 27	8 23	3 52	24 11	0 44	22 24	0 28	1 30	0 24	13 20	0 58	2 38	2 12	1 20	0 44	15 48	0 18	16 55	6 30	22 57	22 54	17 50	9 48	7 10										
T 24	23 26	12 58	3 2	24 21	0 53	22 33	0 25	1 17	0 23	13 21	0 58	2 37	2 13	1 20	0 44	15 48	0 18	16 55	6 30	22 57	22 54	17 52	9 49	7 11										
W25	23 25	17 3	2 5	24 30	1 2	22 41	0 23	1 4	0 22	13 22	0 59	2 37	2 13	1 20	0 44	15 47	0 18	16 55	6 30	22 58	22 53	17 54	9 49	7 11										
T 26	23 23	20 28	1 3	24 35	1 10	22 49	0 20	0 51	0 21	13 23	0 59	2 37	2 13	1 20	0 44	15 47	0 18	16 55	6 29	22 58	22 53	17 57	9 49	7 11										
F 27	23 21	23 3	0s 3	24 37	1 17	22 56	0 18	0 38	0 19	13 24	0 59	2 36	2 13	1 21	0 44	15 46	0 18	16 55	6 29	22 58	22 53	17 59	9 50	7 12										
S 28	23 18	24 37	1 8	24 37	1 24	23 3	0 16	0 25	0 18	13 25	0 59	2 36	2 14	1 21	0 44	15 46	0 18	16 55	6 29	22 58	22 52	18 1	9 50	7 12										
S 29	23 15	25 1	2 12	24 34	1 30	23 8	0 13	0 12	0 17	13 26	1 0	2 36	2 14	1 21	0 44	15 45	0 18	16 55	6 29	22 58	22 52	18 3	9 51	7 12										
M30	23n12	24s13	3s10	24n28	1n35	23n14	0s11	0s 1	0n16	13s27	1s 0	2s36	2s14	1n21	0s44	15n45	0n18	16s55	6n29	22n57	22n52	18s 6	9s51	7n12										





# ASTRODIENST EPHEMERIS for the year 1760

## geocentric

AUGUST 1760

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	20 40 8	9♂ 3'03	27♂13	5♂58	5♂ 2	18♂28	24°R12	28°R19	4°R56	19♂ 6	25°R 6	16°R56	15♂37	1♂36	12°R 2	F 1
S 2	20 44 4	10° 0'30	10♂56	7° 6	6°16	19° 4	24≈ 4	28♂16	4♂55	19° 8	25♂ 5	16♂51	15°34	1°43	11≈59	S 2
S 3	20 48 1	10°57'58	24°48	8°11	7°30	19°40	23°57	28°14	4°54	19°11	25° 4	16°48	15°31	1°50	11°55	S 3
M 4	20 51 57	11°55'28	8♂48	9°14	8°44	20°16	23°49	28°12	4°53	19°13	25° 3	16°D47	15°28	1°56	11°52	M 4
T 5	20 55 54	12°52'59	22°55	10°14	9°58	20°53	23°42	28° 9	4°52	19°15	25° 2	16°47	15°25	2° 3	11°49	T 5
W 6	20 59 51	13°50'31	7♂ 8	11°12	11°12	21°29	23°34	28° 7	4°51	19°17	25° 1	16°48	15°21	2°10	11°46	W 6
T 7	21 3 47	14°48'05	21°26	12° 6	12°26	22° 6	23°27	28° 4	4°50	19°20	25° 1	16°R48	15°18	2°16	11°42	T 7
F 8	21 7 44	15°45'41	5♂45	12°57	13°40	22°43	23°19	28° 1	4°48	19°22	25° 0	16°46	15°15	2°23	11°39	F 8
S 9	21 11 40	16°43'18	20° 3	13°46	14°54	23°19	23°11	27°58	4°47	19°24	24°59	16°43	15°12	2°30	11°36	S 9
S 10	21 15 37	17°40'56	4♂14	14°30	16° 8	23°56	23° 3	27°56	4°46	19°26	24°58	16°36	15° 9	2°36	11°33	S 10
M11	21 19 33	18°38'35	18°15	15°12	17°23	24°33	22°56	27°53	4°44	19°28	24°57	16°28	15° 5	2°43	11°29	M11
T 12	21 23 30	19°36'16	2♂ 0	15°49	18°37	25°11	22°48	27°49	4°43	19°31	24°57	16°18	15° 2	2°50	11°26	T 12
W13	21 27 26	20°33'58	15°26	16°23	19°51	25°48	22°40	27°46	4°41	19°33	24°56	16° 7	14°59	2°56	11°23	W13
T 14	21 31 23	21°31'41	2♂31	16°52	21° 5	26°26	22°32	27°43	4°40	19°35	24°55	15°57	14°56	3° 3	11°20	T 14
F 15	21 35 20	22°29'25	11♂16	17°17	22°20	27° 3	22°24	27°40	4°38	19°37	24°55	15°49	14°53	3°10	11°17	F 15
S 16	21 39 16	23°27'10	23°40	17°38	23°34	27°41	22°16	27°36	4°36	19°40	24°54	15°42	14°50	3°16	11°14	S 16
S 17	21 43 13	24°24'57	5♂49	17°53	24°48	28°19	22° 8	27°33	4°35	19°42	24°53	15°39	14°46	3°23	11°10	S 17
M18	21 47 9	25°22'44	17°46	18° 4	26° 2	28°57	22° 0	27°30	4°33	19°44	24°53	15°37	14°43	3°29	11° 7	M18
T 19	21 51 6	26°20'33	29°36	18° R 9	27°17	29°35	21°53	27°26	4°31	19°46	24°52	15°D37	14°40	3°36	11° 4	T 19
W20	21 55 2	27°18'23	11♂25	18° 8	28°31	0♂13	21°45	27°22	4°30	19°48	24°52	15°R37	14°37	3°43	11° 1	W20
T 21	21 58 59	28°16'15	23°18	18° 2	29°45	0°51	21°37	27°19	4°28	19°51	24°51	15°37	14°34	3°49	10°58	T 21
F 22	22 2 55	29°14'07	5♂19	17°49	1♂ 0	1°30	21°29	27°15	4°26	19°53	24°51	15°35	14°31	3°56	10°55	F 22
S 23	22 6 52	0♂12'01	17°35	17°31	2°14	2° 8	21°22	27°11	4°24	19°55	24°50	15°31	14°27	4° 3	10°52	S 23
S 24	22 10 49	1° 9'57	0≈ 7	17° 7	3°28	2°47	21°14	27° 7	4°22	19°57	24°50	15°25	14°24	4° 9	10°49	S 24
M25	22 14 45	2° 7'53	12°59	16°37	4°43	3°26	21° 6	27° 3	4°20	19°59	24°50	15°16	14°21	4°16	10°46	M25
T 26	22 18 42	3° 5'51	26°10	16° 1	5°57	4° 5	20°59	26°59	4°18	20° 2	24°49	15° 5	14°18	4°23	10°43	T 26
W27	22 22 38	4° 3'51	9♂39	15°20	7°12	4°44	20°51	26°55	4°16	20° 4	24°49	14°53	14°15	4°29	10°40	W27
T 28	22 26 35	5° 1'52	23°24	14°33	8°26	5°23	20°44	26°51	4°14	20° 6	24°49	14°41	14°11	4°36	10°38	T 28
F 29	22 30 31	5°59'56	7♂21	13°43	9°40	6° 2	20°37	26°47	4°12	20° 8	24°48	14°31	14° 8	4°43	10°35	F 29
S 30	22 34 28	6°58'00	21°27	12°49	10°55	6°41	20°29	26°43	4°10	20°10	24°48	14°23	14° 5	4°49	10°32	S 30
S 31	22 38 24	7♂56'07	5♂36	11♂52	12♂ 9	7♂21	20≈22	26♂39	4♂ 8	20♂12	24♂48	14♂17	14♂ 2	4♂56	10≈29	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	18n 1	5s43	5s 2	8n35	0s48	20n 0	1n 0	7s31	0s18	14s32	1 s 7	2s51	2s23	1n17	0s45	15n25	0n19	17s 1	6n22	22n50	22n42	19s17	10s13	7n17	
S 2	17 46	0n 2	4 40	8 1	0 58	19 43	1 1	7 46	0 19	14 35	1 7	2 52	2 23	1 16	0 45	15 24	0 19	17 1	6 22	22 49	22 41	19 19	10 14	7 17	
S 3	17 30	5 52	4 2	7 26	1 9	19 26	1 3	8 0	0 20	14 37	1 8	2 54	2 23	1 16	0 45	15 23	0 19	17 1	6 22	22 49	22 41	19 22	10 14	7 17	
M 4	17 14	11 28	3 9	6 53	1 20	19 8	1 5	8 15	0 20	14 40	1 8	2 55	2 23	1 15	0 45	15 23	0 19	17 1	6 22	22 49	22 41	19 24	10 15	7 17	
T 5	16 58	16 31	2 4	6 20	1 31	18 50	1 6	8 29	0 21	14 42	1 8	2 56	2 24	1 15	0 45	15 22	0 19	17 2	6 21	22 49	22 40	19 26	10 16	7 17	
W 6	16 42	20 41	0 52	5 48	1 42	18 31	1 7	8 44	0 22	14 45	1 8	2 57	2 24	1 14	0 45	15 21	0 19	17 2	6 21	22 49	22 40	19 28	10 17	7 16	
T 7	16 25	23 36	0n25	5 17	1 53	18 12	1 9	8 58	0 23	14 48	1 8	2 58	2 24	1 14	0 45	15 20	0 19	17 2	6 21	22 49	22 40	19 30	10 18	7 16	
F 8	16 8	25 0	1 40	4 47	2 4	17 52	1 10	9 13	0 24	14 50	1 8	3 0	2 24	1 13	0 45	15 20	0 19	17 2	6 21	22 49	22 39	19 32	10 19	7 16	
S 9	15 51	24 44	2 48	4 19	2 15	17 32	1 12	9 27	0 25	14 53	1 9	3 1	2 25	1 13	0 45	15 19	0 19	17 2	6 20	22 48	22 39	19 34	10 20	7 16	
S 10	15 33	22 52	3 45	3 51	2 27	17 11	1 13	9 42	0 26	14 56	1 9	3 2	2 25	1 12	0 45	15 18	0 19	17 3	6 20	22 48	22 39	19 37	10 21	7 16	
M11	15 15	19 37	4 28	3 25	2 38	16 49	1 14	9 56	0 26	14 59	1 9	3 4	2 25	1 12	0 45	15 18	0 19	17 3	6 20	22 47	22 38	19 39	10 22	7 16	
T 12	14 57	15 21	4 54	3 0	2 49	16 27	1 15	10 11	0 27	15 1	1 9	3 5	2 25	1 11	0 45	15 17	0 19	17 3	6 20	22 46	22 38	19 41	10 23	7 16	
W13	14 39	10 24	5 3	2 37	2 59	16 5	1 16	10 25	0 28	15 4	1 9	3 7	2 25	1 10	0 45	15 16	0 19	17 3	6 19	22 45	22 37	19 43	10 24	7 16	
T 14	14 21	5 7	4 56	2 16	3 10	15 42	1 17	10 39	0 29	15 7	1 9	3 8	2 26	1 10	0 45	15 16	0 19	17 4	6 19	22 44	22 37	19 45	10 25	7 16	
F 15	14 2	0s15	4 34	1 57	3 20	15 19	1 18	10 54	0 30	15 9	1 9	3 10	2 26	1 9	0 45	15 15	0 19	17 4	6 19	22 43	22 37	19 47	10 26	7 16	
S 16	13 43	5 29	4 0	1 40	3 30	14 56	1 19	11 8	0 30	15 12	1 9	3 11	2 26	1 8	0 45	15 14	0 19	17 4	6 18	22 42	22 36	19 49	10 27	7 15	
S 17	13 24	10 24	3 15	1 25	3 40	14 32	1 20	11 22	0 31	15 15	1 9	3 13	2 26	1 8	0 45	15 14	0 19	17 4	6 18	22 42	22 36	19 52	10 28	7 15	
M18	13 5	14 52	2 23	1 13	3 49	14 7	1 21	11 37	0 32	15 17	1 10	3 14	2 26	1 7	0 45	15 13	0 19	17 5	6 18	22 42	22 36	19 54	10 29	7 15	
T 19	12 45	18 43	1 24	1 3	3 58	13 42	1 21	11 51	0 33	15 20	1 10	3 16	2 27	1 6	0 45	15 12	0 19	17 5	6 18	22 42	22 35	19 56	10 30	7 15	
W20	12 25	21 49	0 22	0 56	4 5	13 17	1 22	12 5	0 33	15 23	1 10	3 17	2 27	1 6	0 45	15 12	0 19	17 5	6 17	22 42	22 35	19 58	10 31	7 15	
T 21	12 5	23 59	0s41	0 52	4 12	12 52	1 23	12 19	0 34	15 25	1 10	3 19	2 27	1 5	0 45	15 11	0 19	17 5	6 17	22 42	22 35	20 0	10 32	7 15	
F 22	11 45	25 4	1 43	0 51	4 18	12 26	1 23	12 33	0 35	15 28	1 10	3 21	2 27	1 4	0 45	15 10	0 19	17 6	6 17	22 41	22 34	20 2	10 33	7 14	
S 23	11 25	24 58	2 41	0 54	4 23	12 0	1 24	12 47	0 36	15 30	1 10	3 22	2 27	1 3	0 45	15 9	0 19	17 6	6 16	22 41	22 34	20 4	10 34	7 14	
S 24	11 4	23 37	3 33	1 0	4 27	11 33	1 24	13 2	0 36	15 33	1 10	3 24	2 27	1 3	0 46	15 9	0 19	17 6	6 16	22 40	22 33	20 6	10 35	7 14	
M25	10 44	21 1	4 15	1 9	4 30	11 6	1 24	13 15	0 37	15 35	1 10	3 26	2 28	1 2	0 46	15 8	0 19	17 7	6 16	22 39	22 33	20 8	10 35	7 14	
T 26	10 23	17 16	4 45	1 22	4 31	10 39	1 25	13 29	0 38	15 38	1 10	3 28	2 28	1 1	0 46	15 7	0 19	17 7	6 16	22 38	22 33	20 10	10 36	7 14	
W27	10 2	12 35	5 0	1 39	4 30	10 12	1 25	13 43	0 39	15 40	1 10	3 29	2 28	1 0	0 46	15 7	0 19	17 7	6 15	22 37	22 32	20 12	10 37	7 13	
T 28	9 41	7 10	4 57	1 59	4 27	9 44	1 25	13 57	0 39	15 43	1 10	3 31	2 28	0 59	0 46	15 6	0 19	17 7	6 15	22 35	22 32	20 15	10 38	7 13	
F 29	9 19	1 20	4 38	2 22	4 23	9 16	1 25	14 11	0 40	15 45	1 10	3 33	2 28	0 59	0 46	15 5	0 19	17 8	6 15	22 34	22 32	20 17	10 39	7 13	
S 30	8 58	4n39	4 1	2 48	4 17	8 48	1 25	14 24	0 41	15 47	1 10	3 35	2 28	0 58	0 46	15 5	0 19	17 8	6 14	22 33	22 31	20 19	10 40	7 13	
S 31	8n36	10n26	3s 9	3n17	4s 9	8n19	1n25	14s38	0s41	15s50	1s10	3s36	2s28	0n57	0s46	15n 4	0n19	17s 8	6n14	22n33	22n31	20s21	10s41	7n12	

ASTRODIENST EPHEMERIS for the year 1760  
geocentric

SEPTEMBER 1760

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	22 42 21	8♍54'16	19♌46	10°R54	13♍24	8♍ 0	20°R15	26°R34	4°R 6	20♌15	24°R48	14°R15	13♍59	5♌ 3	10°R27	M 1
T 2	22 46 18	9°52'27	3♍54	9♍55	14°38	8°40	20≈ 8	26♌30	4°Y 4	20°17	24♌48	14♍14	13°56	5° 9	10≈24	T 2
W 3	22 50 14	10°50'40	18° 1	8°58	15°53	9°20	20° 1	26°26	4° 2	20°19	24°48	14°14	13°52	5°16	10°21	W 3
T 4	22 54 11	11°48'55	2♌ 4	8° 2	17° 7	9°59	19°54	26°21	4° 0	20°21	24°48	14°13	13°49	5°22	10°19	T 4
F 5	22 58 7	12°47'13	16° 3	7°11	18°22	10°39	19°48	26°17	3°58	20°23	24°D48	14°11	13°46	5°29	10°16	F 5
S 6	23 2 4	13°45'32	29°56	6°24	19°36	11°19	19°41	26°12	3°55	20°25	24°48	14° 6	13°43	5°36	10°14	S 6
S 7	23 6 0	14°43'53	13♌42	5°43	20°51	12° 0	19°35	26° 8	3°53	20°27	24°48	13°58	13°40	5°42	10°11	S 7
M 8	23 9 57	15°42'17	27°19	5° 9	22° 5	12°40	19°28	26° 3	3°51	20°29	24°48	13°47	13°37	5°49	10° 9	M 8
T 9	23 13 53	16°40'42	10♍43	4°43	23°20	13°20	19°22	25°59	3°49	20°31	24°48	13°35	13°33	5°56	10° 6	T 9
W10	23 17 50	17°39'09	23°52	4°26	24°35	14° 1	19°16	25°54	3°46	20°33	24°48	13°22	13°30	6° 2	10° 4	W10
T 11	23 21 47	18°37'38	6♌44	4°D17	25°49	14°41	19°10	25°50	3°44	20°35	24°48	13°10	13°27	6° 9	10° 2	T 11
F 12	23 25 43	19°36'08	19°20	4°18	27° 4	15°22	19° 4	25°45	3°42	20°37	24°48	12°59	13°24	6°16	10° 0	F 12
S 13	23 29 40	20°34'41	1♍39	4°29	28°18	16° 3	18°59	25°40	3°39	20°39	24°48	12°50	13°21	6°22	9°57	S 13
S 14	23 33 36	21°33'15	13°45	4°48	29°33	16°43	18°53	25°36	3°37	20°41	24°49	12°45	13°17	6°29	9°55	S 14
M15	23 37 33	22°31'51	25°40	5°18	0♌48	17°24	18°48	25°31	3°35	20°43	24°49	12°42	13°14	6°36	9°53	M15
T 16	23 41 29	23°30'29	7♌29	5°56	2° 2	18° 5	18°43	25°26	3°32	20°45	24°49	12°41	13°11	6°42	9°51	T 16
W17	23 45 26	24°29'08	19°16	6°42	3°17	18°47	18°38	25°22	3°30	20°47	24°50	12°41	13° 8	6°49	9°49	W17
T 18	23 49 22	25°27'49	1♌ 9	7°37	4°31	19°28	18°33	25°17	3°28	20°49	24°50	12°41	13° 5	6°56	9°47	T 18
F 19	23 53 19	26°26'32	13°11	8°39	5°46	20° 9	18°28	25°12	3°25	20°51	24°50	12°40	13° 2	7° 2	9°45	F 19
S 20	23 57 15	27°25'17	25°28	9°48	7° 1	20°50	18°24	25° 8	3°23	20°53	24°51	12°36	12°58	7° 9	9°44	S 20
S 21	0 1 12	28°24'03	8≈ 4	11° 4	8°15	21°32	18°19	25° 3	3°20	20°55	24°51	12°31	12°55	7°15	9°42	S 21
M22	0 5 9	29°22'51	21° 4	12°24	9°30	22°14	18°15	24°59	3°18	20°56	24°52	12°23	12°52	7°22	9°40	M22
T 23	0 9 5	0♌21'41	4♌28	13°50	10°45	22°55	18°11	24°54	3°16	20°58	24°52	12°13	12°49	7°29	9°38	T 23
W24	0 13 2	1°20'32	18°15	15°20	11°59	23°37	18° 7	24°49	3°13	21° 0	24°53	12° 2	12°46	7°35	9°37	W24
T 25	0 16 58	2°19'26	2♌22	16°54	13°14	24°19	18° 4	24°45	3°11	21° 2	24°54	11°51	12°42	7°42	9°35	T 25
F 26	0 20 55	3°18'22	16°45	18°30	14°29	25° 1	18° 0	24°40	3° 8	21° 4	24°54	11°41	12°39	7°49	9°34	F 26
S 27	0 24 51	4°17'19	1♌17	20°10	15°43	25°43	17°57	24°36	3° 6	21° 5	24°55	11°33	12°36	7°55	9°32	S 27
S 28	0 28 48	5°16'19	15°50	21°51	16°58	26°25	17°54	24°31	3° 4	21° 7	24°56	11°28	12°33	8° 2	9°31	S 28
M29	0 32 44	6°15'22	0♌21	23°34	18°12	27° 7	17°51	24°27	3° 1	21° 9	24°56	11°26	12°30	8° 9	9°30	M29
T 30	0 36 41	7♌14'26	14♍43	25♍18	19♌27	27♍49	17≈48	24♌22	2°Y59	21♌10	24♌57	11°D25	12♍27	8♌15	9≈29	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	8n15	15n41	2s 6	3n49	3s59	7n50	1n25	14s51	0s42	15s52	1s10	3s38	2s29	0n56	0s46	15n 3	0n19	17s 9	6n14	22n32	22n31	20s23	10s42	7n12	
T 2	7 53	20 4	0 54	4 22	3 47	7 21	1 25	15 5	0 43	15 54	1 10	3 40	2 29	0 55	0 46	15 3	0 19	17 9	6 14	22 32	22 30	20 25	10 43	7 12	
W 3	7 31	23 16	0n20	4 56	3 33	6 52	1 24	15 18	0 43	15 56	1 10	3 42	2 29	0 54	0 46	15 2	0 19	17 9	6 13	22 32	22 30	20 27	10 44	7 11	
T 4	7 8	25 0	1 33	5 31	3 18	6 23	1 24	15 32	0 44	15 59	1 10	3 44	2 29	0 54	0 46	15 1	0 19	17 9	6 13	22 32	22 29	20 29	10 45	7 11	
F 5	6 46	25 9	2 40	6 5	3 1	5 53	1 24	15 45	0 45	16 1	1 10	3 46	2 29	0 53	0 46	15 1	0 19	17 10	6 13	22 32	22 29	20 31	10 46	7 11	
S 6	6 24	23 43	3 36	6 39	2 43	5 24	1 23	15 58	0 45	16 3	1 10	3 48	2 29	0 52	0 46	15 0	0 19	17 10	6 12	22 31	22 29	20 33	10 47	7 10	
S 7	6 1	20 53	4 20	7 11	2 24	4 54	1 23	16 11	0 46	16 5	1 10	3 49	2 29	0 51	0 46	15 0	0 19	17 10	6 12	22 30	22 28	20 35	10 48	7 10	
M 8	5 39	16 56	4 48	7 42	2 5	4 24	1 22	16 24	0 46	16 7	1 10	3 51	2 29	0 50	0 46	14 59	0 19	17 11	6 12	22 29	22 28	20 37	10 49	7 10	
T 9	5 16	12 11	5 0	8 9	1 46	3 54	1 21	16 37	0 47	16 9	1 10	3 53	2 29	0 49	0 46	14 58	0 19	17 11	6 11	22 28	22 27	20 39	10 50	7 9	
W10	4 53	6 57	4 55	8 34	1 26	3 24	1 21	16 49	0 48	16 11	1 10	3 55	2 30	0 48	0 46	14 58	0 19	17 11	6 11	22 26	22 27	20 41	10 51	7 9	
T 11	4 30	1 32	4 36	8 55	1 7	2 53	1 20	17 2	0 48	16 12	1 10	3 57	2 30	0 47	0 46	14 57	0 19	17 12	6 11	22 25	22 27	20 43	10 52	7 9	
F 12	4 7	3s50	4 3	9 12	0 48	2 23	1 19	17 15	0 49	16 14	1 10	3 59	2 30	0 46	0 46	14 56	0 19	17 12	6 11	22 23	22 26	20 45	10 53	7 8	
S 13	3 44	8 57	3 19	9 25	0 29	1 52	1 18	17 27	0 49	16 16	1 10	4 1	2 30	0 45	0 46	14 56	0 19	17 12	6 10	22 22	22 26	20 47	10 54	7 8	
S 14	3 21	13 39	2 27	9 35	0 12	1 22	1 17	17 39	0 50	16 18	1 10	4 3	2 30	0 44	0 46	14 55	0 19	17 12	6 10	22 21	22 25	20 49	10 55	7 8	
M15	2 58	17 46	1 29	9 39	0n 5	0 51	1 16	17 52	0 51	16 19	1 10	4 5	2 30	0 43	0 46	14 55	0 19	17 13	6 10	22 21	22 25	20 51	10 56	7 7	
T 16	2 35	21 8	0 28	9 40	0 20	0 20	1 15	18 4	0 51	16 21	1 10	4 6	2 30	0 43	0 46	14 54	0 19	17 13	6 9	22 21	22 25	20 53	10 56	7 7	
W17	2 12	23 37	0s35	9 36	0 35	0s10	1 14	18 16	0 52	16 22	1 10	4 8	2 30	0 42	0 46	14 53	0 19	17 13	6 9	22 21	22 24	20 55	10 57	7 7	
T 18	1 48	25 4	1 36	9 28	0 48	0 41	1 13	18 27	0 52	16 24	1 10	4 10	2 30	0 41	0 46	14 53	0 19	17 14	6 9	22 21	22 24	20 57	10 58	7 6	
F 19	1 25	25 23	2 34	9 15	1 0	1 12	1 12	18 39	0 53	16 25	1 10	4 12	2 30	0 40	0 46	14 52	0 19	17 14	6 8	22 21	22 24	20 59	10 59	7 6	
S 20	1 2	24 27	3 27	8 59	1 10	1 43	1 10	18 51	0 53	16 27	1 10	4 14	2 30	0 39	0 46	14 52	0 19	17 14	6 8	22 20	22 23	21 1	11 0	7 5	
S 21	0 38	22 18	4 10	8 39	1 20	2 13	1 9	19 2	0 54	16 28	1 10	4 16	2 30	0 38	0 46	14 51	0 19	17 15	6 8	22 20	22 23	21 3	11 1	7 5	
M22	0 15	18 56	4 42	8 16	1 28	2 44	1 8	19 14	0 54	16 29	1 10	4 18	2 30	0 37	0 46	14 50	0 19	17 15	6 8	22 19	22 22	21 5	11 2	7 5	
T 23	0s 9	14 32	4 59	7 50	1 35	3 15	1 6	19 25	0 55	16 30	1 10	4 20	2 30	0 36	0 46	14 50	0 19	17 15	6 7	22 17	22 22	21 7	11 2	7 4	
W24	0 32	9 15	5 0	7 20	1 41	3 45	1 5	19 36	0 55	16 31	1 10	4 21	2 30	0 35	0 46	14 49	0 19	17 16	6 7	22 16	22 21	21 9	11 3	7 4	
T 25	0 56	3 23	4 43	6 48	1 45	4 16	1 3	19 47	0 56	16 32	1 9	4 23	2 30	0 34	0 46	14 49	0 19	17 16	6 7	22 14	22 21	21 11	11 4	7 3	
F 26	1 19	2n46	4 8	6 13	1 49	4 46	1 1	19 57	0 56	16 33	1 9	4 25	2 30	0 33	0 46	14 48	0 19	17 16	6 6	22 13	22 21	21 13	11 5	7 3	
S 27	1 42	8 52	3 17	5 37	1 52	5 17	1 0	20 8	0 57	16 34	1 9	4 27	2 30	0 32	0 46	14 48	0 19	17 17	6 6	22 12	22 20	21 15	11 6	7 2	
S 28	2 6	14 30	2 12	4 58	1 53	5 47	0 58	20 19	0 57	16 35	1 9	4 29	2 30	0 31	0 46	14 47	0 19	17 17	6 6	22 11	22 20	21 17	11 6	7 2	
M29	2 29	19 18	0 59	4 18	1 54	6 17	0 56	20 29	0 58	16 36	1 9	4 30	2 30	0 30	0 46	14 47	0 19	17 17	6 5	22 11	22 19	21 18	11 7	7 1	
T 30	2s53	22n53	0n18	3n37	1n54	6s47	0n54	20s39	0s58	16s37	1s 9	4s32	2s30	0n29	0s46	14n46	0n19	17s18	6n 5	22n11	22n19	21s20	11s 8	7n	

ASTRODIENST EPHEMERIS for the year 1760  
geocentric

OCTOBER 1760

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	0 40 38	8♌13'33	28♏55	27♏ 3	20♏42	28♏32	17°R46	24°R18	2°R56	21♏12	24♏58	11♏26	12♏23	8♏22	9°R27	W 1
T 2	0 44 34	9°12'43	12♏55	28°49	21°56	29°14	17°43	24°13	2°Y54	21°14	24°59	11°R26	12°20	8°29	9°26	T 2
F 3	0 48 31	10°11'55	26°44	0♏35	23°11	29°57	17°41	24° 9	2°51	21°15	25° 0	11°25	12°17	8°35	9°25	F 3
S 4	0 52 27	11°11'09	10♏20	2°22	24°26	0♏40	17°39	24° 5	2°49	21°17	25° 0	11°21	12°14	8°42	9°24	S 4
S 5	0 56 24	12°10'25	23°45	4° 8	25°41	1°22	17°37	24° 0	2°47	21°18	25° 1	11°15	12°11	8°48	9°23	S 5
M 6	1 0 20	13° 9'44	6♏58	5°54	26°55	2° 5	17°36	23°56	2°44	21°20	25° 2	11° 7	12° 8	8°55	9°23	M 6
T 7	1 4 17	14° 9'04	19°59	7°40	28°10	2°48	17°35	23°52	2°42	21°22	25° 3	10°57	12° 4	9° 2	9°22	T 7
W 8	1 8 13	15° 8'27	2♏47	9°26	29°25	3°31	17°33	23°48	2°40	21°23	25° 4	10°47	12° 1	9° 8	9°21	W 8
T 9	1 12 10	16° 7'52	15°22	11°11	0♏39	4°14	17°32	23°43	2°37	21°24	25° 5	10°37	11°58	9°15	9°20	T 9
F 10	1 16 7	17° 7'19	27°44	12°56	1°54	4°57	17°32	23°39	2°35	21°26	25° 6	10°28	11°55	9°22	9°20	F 10
S 11	1 20 3	18° 6'48	9♏54	14°40	3° 9	5°40	17°31	23°35	2°33	21°27	25° 7	10°22	11°52	9°28	9°19	S 11
S 12	1 24 0	19° 6'19	21°54	16°23	4°23	6°24	17°31	23°31	2°30	21°29	25° 9	10°17	11°48	9°35	9°19	S 12
M13	1 27 56	20° 5'52	3♏46	18° 6	5°38	7° 7	17°D31	23°27	2°28	21°30	25°10	10°15	11°45	9°42	9°19	M13
T 14	1 31 53	21° 5'27	15°32	19°49	6°53	7°51	17°31	23°24	2°26	21°31	25°11	10°D15	11°42	9°48	9°18	T 14
W15	1 35 49	22° 5'04	27°19	21°30	8° 7	8°34	17°31	23°20	2°24	21°33	25°12	10°16	11°39	9°55	9°18	W15
T 16	1 39 46	23° 4'43	9♏10	23°11	9°22	9°18	17°32	23°16	2°21	21°34	25°13	10°18	11°36	10° 2	9°18	T 16
F 17	1 43 42	24° 4'23	21°10	24°52	10°37	10° 1	17°32	23°12	2°19	21°35	25°15	10°R19	11°33	10° 8	9°18	F 17
S 18	1 47 39	25° 4'05	3♏25	26°32	11°51	10°45	17°33	23° 9	2°17	21°36	25°16	10°18	11°29	10°15	9°D18	S 18
S 19	1 51 36	26° 3'49	15°59	28°11	13° 6	11°29	17°34	23° 5	2°15	21°38	25°17	10°16	11°26	10°22	9°18	S 19
M20	1 55 32	27° 3'34	28°58	29°50	14°21	12°13	17°35	23° 2	2°13	21°39	25°19	10°12	11°23	10°28	9°18	M20
T 21	1 59 29	28° 3'21	12♏23	1♏28	15°36	12°57	17°37	22°58	2°11	21°40	25°20	10° 7	11°20	10°35	9°18	T 21
W22	2 3 25	29° 3'10	26°16	3° 5	16°50	13°41	17°39	22°55	2° 9	21°41	25°21	10° 0	11°17	10°41	9°18	W22
T 23	2 7 22	0♏3'00	10°Y34	4°42	18° 5	14°25	17°41	22°52	2° 6	21°42	25°23	9°54	11°13	10°48	9°19	T 23
F 24	2 11 18	1° 2'53	25°13	6°19	19°19	15° 9	17°43	22°49	2° 4	21°43	25°24	9°48	11°10	10°55	9°19	F 24
S 25	2 15 15	2° 2'47	10♏ 6	7°55	20°34	15°54	17°45	22°46	2° 2	21°44	25°26	9°43	11° 7	11° 1	9°19	S 25
S 26	2 19 11	3° 2'44	25° 4	9°30	21°49	16°38	17°47	22°43	2° 0	21°45	25°27	9°41	11° 4	11° 8	9°20	S 26
M27	2 23 8	4° 2'42	9♏59	11° 5	23° 3	17°22	17°50	22°40	1°59	21°46	25°29	9°D40	11° 1	11°15	9°20	M27
T 28	2 27 5	5° 2'43	24°43	12°40	24°18	18° 7	17°53	22°37	1°57	21°47	25°30	9°41	10°58	11°21	9°21	T 28
W29	2 31 1	6° 2'46	9♏12	14°14	25°33	18°51	17°56	22°34	1°55	21°48	25°32	9°42	10°54	11°28	9°22	W29
T 30	2 34 58	7° 2'51	23°23	15°47	26°47	19°36	17°59	22°32	1°53	21°49	25°33	9°43	10°51	11°35	9°23	T 30
F 31	2 38 54	8♏2'58	7♏13	17♏21	28♏ 2	20♏21	18°33	22°29	1°Y51	21°♏49	25°35	9°R44	10♏48	11♏41	9°23	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
W 1	3s16	25n 0	1n32	2n54	1n54	7s17	0n53	20s49	0s59	16s37	1s 9	4s34	2s30	0n28	0s46	14n46
T 2	3 39	25 30	2 40	2 11	1 52	7 47	0 51	20 59	0 59	16 38	1 9	4 36	2 30	0 27	0 46	14 45
F 3	4 3	24 24	3 37	1 27	1 50	8 16	0 49	21 8	1 0	16 39	1 9	4 37	2 30	0 26	0 46	14 45
S 4	4 26	21 52	4 22	0 42	1 47	8 46	0 47	21 18	1 0	16 39	1 9	4 39	2 30	0 25	0 46	14 44
S 5	4 49	18 12	4 51	0s 3	1 44	9 15	0 45	21 27	1 1	16 39	1 8	4 41	2 30	0 24	0 46	14 44
M 6	5 12	13 40	5 4	0 48	1 41	9 44	0 42	21 36	1 1	16 40	1 8	4 42	2 30	0 24	0 46	14 43
T 7	5 35	8 35	5 1	1 34	1 37	10 12	0 40	21 45	1 1	16 40	1 8	4 44	2 30	0 23	0 46	14 43
W 8	5 58	3 13	4 43	2 20	1 32	10 41	0 38	21 54	1 2	16 40	1 8	4 46	2 30	0 22	0 46	14 42
T 9	6 21	2s12	4 11	3 5	1 28	11 9	0 36	22 2	1 2	16 41	1 8	4 47	2 30	0 21	0 46	14 42
F 10	6 44	7 27	3 28	3 51	1 23	11 37	0 34	22 11	1 3	16 41	1 8	4 49	2 30	0 20	0 46	14 41
S 11	7 7	12 20	2 36	4 36	1 17	12 5	0 31	22 19	1 3	16 41	1 8	4 50	2 29	0 19	0 46	14 41
S 12	7 29	16 42	1 37	5 21	1 12	12 33	0 29	22 27	1 3	16 41	1 8	4 52	2 29	0 18	0 46	14 40
M13	7 52	20 21	0 35	6 6	1 6	13 0	0 27	22 35	1 4	16 41	1 8	4 53	2 29	0 17	0 46	14 40
T 14	8 14	23 10	0s29	6 50	1 0	13 27	0 24	22 42	1 4	16 40	1 7	4 55	2 29	0 16	0 46	14 40
W15	8 37	24 58	1 31	7 34	0 54	13 53	0 22	22 49	1 5	16 40	1 7	4 56	2 29	0 15	0 46	14 39
T 16	8 59	25 39	2 30	8 17	0 47	14 19	0 20	22 57	1 5	16 40	1 7	4 57	2 29	0 15	0 46	14 39
F 17	9 21	25 9	3 23	9 0	0 41	14 45	0 17	23 3	1 5	16 40	1 7	4 59	2 29	0 14	0 46	14 38
S 18	9 43	23 26	4 8	9 43	0 35	15 11	0 15	23 10	1 6	16 39	1 7	5 0	2 29	0 13	0 46	14 38
S 19	10 5	20 34	4 43	10 24	0 28	15 36	0 12	23 17	1 6	16 39	1 7	5 1	2 29	0 12	0 45	14 38
M20	10 26	16 36	5 4	11 6	0 21	16 1	0 10	23 23	1 6	16 38	1 7	5 3	2 29	0 11	0 45	14 37
T 21	10 48	11 41	5 10	11 46	0 15	16 25	0 7	23 29	1 7	16 38	1 7	5 4	2 28	0 10	0 45	14 37
W22	11 9	6 2	4 58	12 26	0 8	16 49	0 5	23 35	1 7	16 37	1 6	5 5	2 28	0 10	0 45	14 37
T 23	11 30	0n 6	4 27	13 5	0 1	17 12	0 2	23 40	1 7	16 36	1 6	5 6	2 28	0 9	0 45	14 36
F 24	11 51	6 23	3 38	13 44	0s 6	17 35	0s 0	23 46	1 7	16 36	1 6	5 7	2 28	0 8	0 45	14 36
S 25	12 12	12 25	2 34	14 22	0 12	17 58	0 3	23 51	1 8	16 35	1 6	5 8	2 28	0 7	0 45	14 36
S 26	12 33	17 47	1 19	14 59	0 19	18 20	0 5	23 56	1 8	16 34	1 6	5 9	2 28	0 6	0 45	14 35
M27	12 53	22 0	0n 2	15 35	0 26	18 42	0 8	24 0	1 8	16 33	1 6	5 10	2 28	0 6	0 45	14 35
T 28	13 13	24 43	1 21	16 10	0 32	19 3	0 11	24 5	1 9	16 32	1 6	5 11	2 27	0 5	0 45	14 35
W29	13 33	25 43	2 35	16 45	0 39	19 23	0 13	24 9	1 9	16 31	1 5	5 12	2 27	0 4	0 45	14 35
T 30	13 53	25 0	3 37	17 19	0 46	19 43	0 16	24 13	1 9	16 30	1 5	5 13	2 27	0 3	0 45	14 34
F 31	14s13	22n45	4n24	17s52	0s52	20s 3	0s18	24s16	1s 9	16s29	1s 5	5s14	2s27	0n 3	0s45	14n34

Julian Day Number = 2364160.5, Delta T = 19.04 sec  
Ecliptic obliquity = 23°28'17", Nutation = - 0°00'17", out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 21°24'00", Lahiri = 20°31'01Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1760  
geocentric

NOVEMBER 1760

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	2 42 51	9♐ 3'07	20♏44	18♐53	29♐17	21♐ 5	18♐ 6	22°R27	1°R49	21♐50	25♐37	9°R44	10♐45	11♐48	9♐24	S 1
S 2	2 46 47	10° 3'18	3♐57	20°26	0♐31	21°50	18°10	22°H24	1°V48	21°51	25°38	9°H42	10°42	11°55	9°25	S 2
M 3	2 50 44	11° 3'31	16°54	21°58	1°46	22°35	18°14	22°22	1°46	21°52	25°40	9°38	10°39	12° 1	9°26	M 3
T 4	2 54 40	12° 3'47	29°36	23°30	3° 1	23°20	18°18	22°20	1°44	21°52	25°42	9°34	10°35	12° 8	9°27	T 4
W 5	2 58 37	13° 4'04	12♐ 5	25° 1	4°15	24° 5	18°23	22°18	1°42	21°53	25°43	9°29	10°32	12°14	9°29	W 5
T 6	3 2 34	14° 4'23	24°23	26°32	5°30	24°50	18°27	22°16	1°41	21°54	25°45	9°25	10°29	12°21	9°30	T 6
F 7	3 6 30	15° 4'44	6♐31	28° 2	6°44	25°35	18°32	22°14	1°39	21°54	25°47	9°21	10°26	12°28	9°31	F 7
S 8	3 10 27	16° 5'07	18°31	29°32	7°59	26°20	18°37	22°12	1°38	21°55	25°49	9°18	10°23	12°34	9°33	S 8
S 9	3 14 23	17° 5'31	0♐24	1♐ 2	9°14	27° 6	18°42	22°10	1°36	21°55	25°50	9°17	10°19	12°41	9°34	S 9
M10	3 18 20	18° 5'57	12°12	2°32	10°28	27°51	18°47	22° 9	1°35	21°56	25°52	9°D16	10°16	12°48	9°36	M10
T 11	3 22 16	19° 6'25	23°58	4° 1	11°43	28°36	18°53	22° 7	1°33	21°56	25°54	9°17	10°13	12°54	9°37	T 11
W12	3 26 13	20° 6'54	5♐45	5°29	12°58	29°22	18°58	22° 6	1°32	21°57	25°56	9°18	10°10	13° 1	9°39	W12
T 13	3 30 9	21° 7'25	17°37	6°57	14°12	0♐ 7	19° 4	22° 5	1°31	21°57	25°58	9°20	10° 7	13° 8	9°40	T 13
F 14	3 34 6	22° 7'56	29°37	8°25	15°27	0°53	19°10	22° 3	1°29	21°57	26° 0	9°22	10° 4	13°14	9°42	F 14
S 15	3 38 3	23° 8'30	11♐50	9°52	16°41	1°39	19°16	22° 2	1°28	21°58	26° 2	9°23	10° 0	13°21	9°44	S 15
S 16	3 41 59	24° 9'04	24°20	11°19	17°56	2°24	19°23	22° 1	1°27	21°58	26° 4	9°R23	9°57	13°28	9°46	S 16
M17	3 45 56	25° 9'40	7♐12	12°45	19°10	3°10	19°29	22° 0	1°26	21°58	26° 5	9°23	9°54	13°34	9°48	M17
T 18	3 49 52	26°10'16	20°30	14°10	20°25	3°56	19°36	22° 0	1°25	21°59	26° 7	9°22	9°51	13°41	9°50	T 18
W19	3 53 49	27°10'54	4°V16	15°35	21°40	4°41	19°42	21°59	1°24	21°59	26° 9	9°20	9°48	13°47	9°52	W19
T 20	3 57 45	28°11'33	18°29	16°58	22°54	5°27	19°49	21°58	1°23	21°59	26°11	9°19	9°45	13°54	9°54	T 20
F 21	4 1 42	29°12'13	3♐ 7	18°21	24° 9	6°13	19°57	21°58	1°22	21°59	26°13	9°17	9°41	14° 1	9°56	F 21
S 22	4 5 38	0♐12'55	18° 5	19°42	25°23	6°59	20° 4	21°58	1°21	21°59	26°15	9°17	9°38	14° 7	9°59	S 22
S 23	4 9 35	1°13'38	3♐16	21° 2	26°38	7°45	20°11	21°57	1°20	21°59	26°17	9°D16	9°35	14°14	10° 1	S 23
M24	4 13 32	2°14'22	18°28	22°21	27°52	8°31	20°19	21°57	1°19	21°R59	26°19	9°16	9°32	14°21	10° 3	M24
T 25	4 17 28	3°15'08	3♐34	23°38	29° 7	9°17	20°27	21°D57	1°18	21°59	26°22	9°17	9°29	14°27	10° 6	T 25
W26	4 21 25	4°15'55	18°24	24°53	0♐21	10° 4	20°35	21°57	1°18	21°59	26°24	9°17	9°25	14°34	10° 8	W26
T 27	4 25 21	5°16'43	2♐52	26° 6	1°36	10°50	20°43	21°58	1°17	21°59	26°26	9°17	9°22	14°41	10°11	T 27
F 28	4 29 18	6°17'33	16°56	27°16	2°50	11°36	20°51	21°58	1°16	21°59	26°28	9°18	9°19	14°47	10°13	F 28
S 29	4 33 14	7°18'25	0♐34	28°23	4° 4	12°22	20°59	21°58	1°16	21°59	26°30	9°18	9°16	14°54	10°16	S 29
S 30	4 37 11	8♐19'17	13♐47	29♐27	5♐19	13♐ 9	21° 8	21°H59	1°V15	21♐58	26♐32	9°R18	9°H13	15♐ 1	10° 19	S 30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
S 1	14s32	19n17	4n56	18s24	0s58	20s22	0s21	24s20	1s 9	16s27	1s 5	5s15	2s27	0n 2	0s45	14n34
S 2	14 51	14 54	5 12	18 55	1 5	20 40	0 24	24 23	1 10	16 26	1 5	5 16	2 27	0 1	0 45	14 34
M 3	15 10	9 57	5 11	19 25	1 11	20 58	0 26	24 26	1 10	16 25	1 5	5 16	2 27	0 1	0 45	14 33
T 4	15 29	4 40	4 55	19 55	1 17	21 15	0 29	24 28	1 10	16 23	1 5	5 17	2 26	0 0	0 45	14 33
W 5	15 47	0s44	4 24	20 23	1 23	21 32	0 31	24 31	1 10	16 22	1 5	5 18	2 26	0s 1	0 45	14 33
T 6	16 5	6 1	3 42	20 50	1 28	21 48	0 34	24 33	1 11	16 20	1 4	5 18	2 26	0 1	0 45	14 33
F 7	16 23	11 1	2 51	21 16	1 34	22 4	0 36	24 35	1 11	16 19	1 4	5 19	2 26	0 2	0 45	14 33
S 8	16 40	15 34	1 52	21 42	1 39	22 19	0 39	24 36	1 11	16 17	1 4	5 20	2 26	0 2	0 45	14 32
S 9	16 58	19 28	0 49	22 6	1 44	22 33	0 41	24 37	1 11	16 15	1 4	5 20	2 25	0 3	0 45	14 32
M10	17 15	22 33	0s16	22 29	1 49	22 46	0 44	24 38	1 11	16 14	1 4	5 21	2 25	0 3	0 45	14 32
T 11	17 31	24 40	1 20	22 51	1 54	22 59	0 46	24 39	1 11	16 12	1 4	5 21	2 25	0 4	0 45	14 32
W12	17 48	25 42	2 21	23 12	1 59	23 12	0 49	24 40	1 12	16 10	1 4	5 21	2 25	0 4	0 45	14 32
T 13	18 4	25 34	3 17	23 31	2 3	23 23	0 51	24 40	1 12	16 8	1 3	5 22	2 25	0 5	0 45	14 32
F 14	18 20	24 14	4 4	23 50	2 7	23 34	0 54	24 40	1 12	16 6	1 3	5 22	2 24	0 5	0 45	14 32
S 15	18 35	21 46	4 41	24 7	2 11	23 44	0 56	24 40	1 12	16 4	1 3	5 22	2 24	0 6	0 45	14 32
S 16	18 50	18 14	5 6	24 23	2 14	23 54	0 58	24 39	1 12	16 2	1 3	5 22	2 24	0 6	0 45	14 32
M17	19 5	13 46	5 17	24 38	2 18	24 2	1 1	24 38	1 12	16 0	1 3	5 23	2 24	0 7	0 45	14 32
T 18	19 19	8 32	5 11	24 51	2 20	24 10	1 3	24 37	1 12	15 57	1 3	5 23	2 24	0 7	0 45	14 32
W19	19 33	2 42	4 48	25 3	2 23	24 18	1 5	24 36	1 12	15 55	1 3	5 23	2 23	0 8	0 45	14 31
T 20	19 47	3n27	4 6	25 14	2 25	24 24	1 8	24 34	1 13	15 53	1 3	5 23	2 23	0 8	0 45	14 31
F 21	20 0	9 38	3 8	25 23	2 26	24 30	1 10	24 32	1 13	15 50	1 2	5 23	2 23	0 8	0 45	14 31
S 22	20 13	15 24	1 55	25 31	2 27	24 35	1 12	24 30	1 13	15 48	1 2	5 23	2 23	0 9	0 44	14 31
S 23	20 26	20 17	0 33	25 38	2 28	24 40	1 14	24 27	1 13	15 45	1 2	5 23	2 23	0 9	0 44	14 31
M24	20 38	23 49	0n51	25 43	2 28	24 43	1 16	24 24	1 13	15 43	1 2	5 23	2 22	0 9	0 44	14 31
T 25	20 50	25 36	2 11	25 46	2 27	24 46	1 18	24 21	1 13	15 40	1 2	5 22	2 22	0 10	0 44	14 31
W26	21 2	25 31	3 21	25 48	2 26	24 48	1 20	24 18	1 13	15 38	1 2	5 22	2 22	0 10	0 44	14 32
T 27	21 13	23 42	4 16	25 49	2 24	24 50	1 22	24 14	1 13	15 35	1 2	5 22	2 22	0 10	0 44	14 32
F 28	21 23	20 27	4 54	25 48	2 22	24 50	1 24	24 11	1 13	15 32	1 2	5 22	2 22	0 10	0 44	14 32
S 29	21 34	16 11	5 14	25 46	2 18	24 50	1 25	24 6	1 13	15 30	1 2	5 21	2 21	0 10	0 44	14 32
S 30	21s43	11n16	5n17	25s42	2s14	24s49	1s27	24s 2	1s13	15s27	1s 1	5s21	2s21	0s11	0s44	14n32

Julian Day Number = 2364191.5, Delta T = 19.06 sec  
Ecliptic obliquity = 23°28'17", Nutation = - 0°00'17", out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 21°24'04", Lahiri = 20°31'05Greg. Calendar

# ASTRODIENST EPHEMERIS for the year 1760

## geocentric

DECEMBER 1760

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	4 41 7	9°20'11	26°38	0°27	6°33	13°55	21°16	21°59	1°R15	21°R58	26°34	9°D18	9°110	15°7	10°21	M 1
T 2	4 45 4	10°21'07	9°10	1°23	7°48	14°41	21°25	22° 0	1°Y14	21°R58	26°36	9°118	9° 6	15°14	10°24	T 2
W 3	4 49 1	11°22'03	21°27	2°13	9° 2	15°28	21°34	22° 1	1°14	21°58	26°38	9°18	9° 3	15°21	10°27	W 3
T 4	4 52 57	12°23'01	3°32	2°58	10°16	16°14	21°43	22° 2	1°13	21°57	26°40	9°18	9° 0	15°27	10°30	T 4
F 5	4 56 54	13°24'00	15°29	3°36	11°31	17° 1	21°52	22° 3	1°13	21°57	26°43	9°19	8°57	15°34	10°33	F 5
S 6	5 0 50	14°25'00	27°20	4° 7	12°45	17°48	22° 2	22° 4	1°13	21°57	26°45	9°19	8°54	15°40	10°36	S 6
S 7	5 4 47	15°26'01	9°8	4°30	13°59	18°34	22°11	22° 5	1°13	21°56	26°47	9°R19	8°51	15°47	10°39	S 7
M 8	5 8 43	16°27'03	20°56	4°43	15°14	19°21	22°21	22° 7	1°13	21°56	26°49	9°19	8°47	15°54	10°42	M 8
T 9	5 12 40	17°28'06	2°44	4°R47	16°28	20° 8	22°30	22° 8	1°13	21°55	26°51	9°19	8°44	16° 0	10°45	T 9
W10	5 16 36	18°29'10	14°35	4°40	17°42	20°54	22°40	22°10	1°D13	21°55	26°53	9°17	8°41	16° 7	10°49	W10
T 11	5 20 33	19°30'14	26°33	4°21	18°57	21°41	22°50	22°11	1°13	21°54	26°56	9°16	8°38	16°14	10°52	T 11
F 12	5 24 30	20°31'19	8°38	3°51	20°11	22°28	23° 0	22°13	1°13	21°53	26°58	9°14	8°35	16°20	10°55	F 12
S 13	5 28 26	21°32'24	20°55	3°10	21°25	23°15	23°10	22°15	1°13	21°53	27° 0	9°13	8°31	16°27	10°58	S 13
S 14	5 32 23	22°33'29	3°26	2°17	22°39	24° 2	23°21	22°17	1°13	21°52	27° 2	9°11	8°28	16°34	11° 2	S 14
M15	5 36 19	23°34'35	16°14	1°14	23°53	24°48	23°31	22°19	1°13	21°51	27° 4	9°11	8°25	16°40	11° 5	M15
T 16	5 40 16	24°35'41	29°23	0° 3	25° 8	25°35	23°42	22°21	1°13	21°51	27° 7	9°D11	8°22	16°47	11° 9	T 16
W17	5 44 12	25°36'48	12°56	28°46	26°22	26°22	23°52	22°24	1°14	21°50	27° 9	9°11	8°19	16°54	11°12	W17
T 18	5 48 9	26°37'54	26°54	27°24	27°36	27° 9	24° 3	22°26	1°14	21°49	27°11	9°12	8°16	17° 0	11°16	T 18
F 19	5 52 5	27°39'01	11°18	26° 1	28°50	27°56	24°14	22°29	1°15	21°48	27°13	9°14	8°12	17° 7	11°20	F 19
S 20	5 56 2	28°40'08	26° 4	24°40	0°4	28°43	24°25	22°31	1°15	21°48	27°15	9°15	8° 9	17°14	11°23	S 20
S 21	5 59 59	29°41'15	11°11	23°23	1°18	29°30	24°36	22°34	1°16	21°47	27°18	9°R15	8° 6	17°20	11°27	S 21
M22	6 3 55	0°42'23	26°19	22°13	2°32	0°17	24°47	22°37	1°16	21°46	27°20	9°14	8° 3	17°27	11°31	M22
T 23	6 7 52	1°43'31	11°32	21°11	3°46	1° 5	24°58	22°40	1°17	21°45	27°22	9°13	8° 0	17°33	11°34	T 23
W24	6 11 48	2°44'39	26°34	20°18	5° 0	1°52	25°10	22°43	1°18	21°44	27°24	9°10	7°57	17°40	11°38	W24
T 25	6 15 45	3°45'48	11°17	19°35	6°14	2°39	25°21	22°46	1°18	21°43	27°26	9° 6	7°53	17°47	11°42	T 25
F 26	6 19 41	4°46'56	25°36	19° 4	7°27	3°26	25°33	22°49	1°19	21°42	27°29	9° 2	7°50	17°53	11°46	F 26
S 27	6 23 38	5°48'06	9°26	18°42	8°41	4°13	25°45	22°52	1°20	21°41	27°31	8°59	7°47	18° 0	11°50	S 27
S 28	6 27 35	6°49'15	22°47	18°31	9°55	5° 0	25°56	22°56	1°21	21°40	27°33	8°57	7°44	18° 7	11°54	S 28
M29	6 31 31	7°50'25	5°42	18°D29	11° 9	5°48	26° 8	22°59	1°22	21°39	27°35	8°D56	7°41	18°13	11°58	M29
T 30	6 35 28	8°51'35	18°13	18°36	12°22	6°35	26°20	23° 3	1°23	21°38	27°37	8°57	7°37	18°20	12° 2	T 30
W31	6 39 24	9°52'46	0°27	18°52	13°36	7°22	26°32	23°7	1°Y24	21°R36	27°39	8°118	7°1134	18°27	12°6	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	21s53	5n59	5n 4	25s37	2s 9	24s47	1s29	23s57	1s13	15s24	1s 1	5s20	2s21	0s11	0s44	14n32
T 2	22 2	0 36	4 36	25 31	2 3	24 45	1 31	23 52	1 13	15 21	1 1	5 20	2 21	0 11	0 44	14 32
W 3	22 10	4s43	3 56	25 23	1 55	24 42	1 32	23 47	1 13	15 18	1 1	5 19	2 21	0 11	0 44	14 32
T 4	22 19	9 47	3 6	25 13	1 47	24 38	1 34	23 41	1 13	15 15	1 1	5 19	2 20	0 11	0 44	14 32
F 5	22 26	14 27	2 9	25 3	1 38	24 33	1 35	23 36	1 13	15 12	1 1	5 18	2 20	0 11	0 44	14 32
S 6	22 34	18 31	1 6	24 51	1 27	24 28	1 37	23 29	1 13	15 9	1 1	5 18	2 20	0 11	0 44	14 33
S 7	22 40	21 50	0 1	24 38	1 15	24 22	1 38	23 23	1 13	15 6	1 1	5 17	2 20	0 11	0 44	14 33
M 8	22 47	24 14	1s 4	24 24	1 1	24 15	1 39	23 16	1 13	15 2	1 1	5 16	2 19	0 11	0 44	14 33
T 9	22 53	25 33	2 6	24 9	0 46	24 7	1 40	23 10	1 13	14 59	1 1	5 15	2 19	0 11	0 44	14 33
W10	22 58	25 43	3 4	23 53	0 30	23 59	1 42	23 2	1 13	14 56	1 0	5 14	2 19	0 11	0 44	14 33
T 11	23 3	24 41	3 53	23 37	0 13	23 50	1 43	22 55	1 13	14 52	1 0	5 14	2 19	0 11	0 44	14 33
F 12	23 8	22 31	4 33	23 19	0n 6	23 40	1 44	22 47	1 13	14 49	1 0	5 13	2 19	0 11	0 44	14 34
S 13	23 12	19 17	5 1	23 1	0 25	23 29	1 45	22 39	1 12	14 46	1 0	5 12	2 18	0 11	0 44	14 34
S 14	23 16	15 9	5 15	22 42	0 45	23 18	1 46	22 31	1 12	14 42	1 0	5 11	2 18	0 11	0 44	14 34
M15	23 19	10 16	5 14	22 23	1 5	23 6	1 46	22 23	1 12	14 39	1 0	5 10	2 18	0 11	0 44	14 34
T 16	23 22	4 47	4 54	22 3	1 25	22 54	1 47	22 14	1 12	14 35	1 0	5 9	2 18	0 11	0 44	14 35
W17	23 24	1n 4	4 27	21 44	1 44	22 40	1 48	22 5	1 12	14 31	1 0	5 8	2 18	0 11	0 43	14 35
T 18	23 26	7 4	3 33	21 25	2 2	22 26	1 48	21 56	1 12	14 28	1 0	5 6	2 17	0 10	0 43	14 35
F 19	23 27	12 53	2 29	21 7	2 18	22 12	1 49	21 46	1 12	14 24	1 0	5 5	2 17	0 10	0 43	14 35
S 20	23 28	18 7	1 12	20 50	2 32	21 57	1 49	21 37	1 12	14 20	1 0	5 4	2 17	0 10	0 43	14 36
S 21	23 28	22 18	0n10	20 35	2 44	21 41	1 50	21 27	1 12	14 16	0 59	5 3	2 17	0 10	0 43	14 36
M22	23 28	24 58	1 33	20 22	2 53	21 24	1 50	21 17	1 11	14 13	0 59	5 1	2 17	0 9	0 43	14 36
T 23	23 28	25 46	2 49	20 11	3 0	21 7	1 50	21 6	1 11	14 9	0 59	5 0	2 16	0 9	0 43	14 37
W24	23 27	24 40	3 52	20 3	3 5	20 49	1 50	20 56	1 11	14 5	0 59	4 59	2 16	0 9	0 43	14 37
T 25	23 25	21 52	4 38	19 57	3 7	20 31	1 50	20 45	1 11	14 1	0 59	4 57	2 16	0 8	0 43	14 37
F 26	23 23	17 48	5 6	19 55	3 7	20 12	1 50	20 34	1 11	13 57	0 59	4 56	2 16	0 8	0 43	14 38
S 27	23 21	12 54	5 14	19 54	3 6	19 53	1 50	20 22	1 10	13 53	0 59	4 54	2 16	0 8	0 43	14 38
S 28	23 18	7 32	5 5	19 56	3 3	19 33	1 50	20 11	1 10	13 49	0 59	4 53	2 15	0 7	0 43	14 38
M29	23 14	2 2	4 41	20 1	2 58	19 12	1 49	19 59	1 10	13 45	0 59	4 51	2 15	0 7	0 43	14 39
T 30	23 10	3s24	4 4	20 7	2 53	18 51	1 49	19 47	1 10	13 41	0 59	4 50	2 15	0 6	0 43	14 39
W31	23s 6	8s35	3n16	20s14	2n47	18s30	1s49	19s35	1s10	13s36	0s59	4s48	2s15	0s 6	0s43	14n40

Julian Day Number = 2364221.5, Delta T = 19.08 sec  
 Ecliptic obliquity = 23°28'16", Nutation = - 0°00'17", out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 21°24'09", Lahiri = 20°31'09"Greg. Calendar