



# Astrodienst Ephemeris Tables for the year 1799

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 D5EPH

ASTRODIENST EPHEMERIS for the year 1799  
geocentric

JANUARY 1799

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	6 42 33	10♈16	5♏18	28♈14	11♈1	10♏26	16♏R31	23♏R46	22♏R20	14♏30	0♏6	24♏5	22♏34	4♏54	6♏50	T 1
W 2	6 46 29	11°41'27	19°14	28♏R23	12°16	11°2	16♏29	23♏41	22♏20	14°32	0°7	24♏R6	22°31	5°1	6°55	W 2
T 3	6 50 26	12°42'38	3♏3	28°21	13°32	11°38	16°27	23°36	22°19	14°33	0°8	24°6	22°28	5°7	7°1	T 3
F 4	6 54 22	13°43'48	16°44	28°7	14°47	12°14	16°26	23°31	22°19	14°35	0°10	24°4	22°25	5°14	7°6	F 4
S 5	6 58 19	14°44'59	0♏15	27°41	16°2	12°50	16°25	23°27	22°18	14°36	0°11	23°59	22°22	5°21	7°11	S 5
S 6	7 2 15	15°46'10	13°34	27°3	17°18	13°26	16°24	23°22	22°18	14°37	0°12	23°51	22°18	5°27	7°16	S 6
M 7	7 6 12	16°47'20	26°39	26°15	18°33	14°2	16°23	23°17	22°17	14°39	0°14	23°42	22°15	5°34	7°21	M 7
T 8	7 10 9	17°48'31	9♏29	25°16	19°49	14°38	16°22	23°12	22°17	14°40	0°15	23°32	22°12	5°41	7°26	T 8
W 9	7 14 5	18°49'40	22°2	24°9	21°4	15°14	16°22	23°7	22°16	14°41	0°16	23°21	22°9	5°48	7°31	W 9
T 10	7 18 2	19°50'49	4♏21	22°56	22°20	15°51	16°D22	23°2	22°15	14°42	0°17	23°12	22°6	5°54	7°35	T 10
F 11	7 21 58	20°51'58	16°27	21°38	23°35	16°27	16°22	22°57	22°15	14°43	0°19	23°4	22°2	6°1	7°40	F 11
S 12	7 25 55	21°53'05	28°23	20°19	24°51	17°3	16°22	22°52	22°14	14°45	0°20	22°58	21°59	6°8	7°44	S 12
S 13	7 29 51	22°54'13	10♏14	19°1	26°6	17°40	16°22	22°47	22°13	14°46	0°22	22°55	21°56	6°14	7°49	S 13
M14	7 33 48	23°55'19	22°3	17°46	27°22	18°17	16°23	22°42	22°12	14°47	0°23	22°D54	21°53	6°21	7°53	M14
T 15	7 37 44	24°56'24	3♏57	16°36	28°37	18°53	16°24	22°37	22°11	14°48	0°24	22°54	21°50	6°28	7°57	T 15
W16	7 41 41	25°57'29	16°0	15°33	29°52	19°30	16°25	22°32	22°10	14°49	0°26	22°55	21°47	6°34	8°1	W16
T 17	7 45 38	26°58'33	28°19	14°38	1♏8	20°7	16°26	22°27	22°9	14°50	0°27	22°R55	21°43	6°41	8°5	T 17
F 18	7 49 34	27°59'36	10♏57	13°52	2°23	20°44	16°27	22°22	22°8	14°51	0°29	22°54	21°40	6°48	8°9	F 18
S 19	7 53 31	29°0'38	23°59	13°15	3°39	21°20	16°29	22°18	22°6	14°52	0°30	22°50	21°37	6°54	8°13	S 19
S 20	7 57 27	0♏1'40	7♏25	12°47	4°54	21°57	16°31	22°13	22°5	14°53	0°32	22°43	21°34	7°1	8°17	S 20
M21	8 1 24	1°2'40	21°15	12°28	6°9	22°34	16°33	22°8	22°4	14°53	0°33	22°34	21°31	7°8	8°20	M21
T 22	8 5 20	2°3'40	5♏27	12°18	7°25	23°11	16°35	22°3	22°3	14°54	0°35	22°23	21°28	7°14	8°24	T 22
W23	8 9 17	3°4'38	19°54	12°D17	8°40	23°48	16°38	21°58	22°1	14°55	0°36	22°11	21°24	7°21	8°27	W23
T 24	8 13 14	4°5'36	4♏30	12°23	9°55	24°26	16°40	21°53	22°0	14°56	0°38	22°1	21°21	7°28	8°30	T 24
F 25	8 17 10	5°6'33	19°8	12°37	11°11	25°3	16°43	21°49	21°58	14°57	0°39	21°52	21°18	7°35	8°33	F 25
S 26	8 21 7	6°7'30	3♏40	12°57	12°26	25°40	16°46	21°44	21°57	14°57	0°41	21°45	21°15	7°41	8°36	S 26
S 27	8 25 3	7°8'25	18°2	13°23	13°41	26°17	16°50	21°39	21°55	14°58	0°42	21°42	21°12	7°48	8°39	S 27
M28	8 29 0	8°9'20	2♏11	13°55	14°56	26°54	16°53	21°35	21°54	14°58	0°44	21°41	21°8	7°55	8°42	M28
T 29	8 32 56	9°10'15	16°7	14°32	16°12	27°32	16°57	21°30	21°52	14°59	0°45	21°41	21°5	8°1	8°45	T 29
W30	8 36 53	10°11'08	29°48	15°14	17°27	28°9	17°0	21°25	21°50	15°0	0°47	21°41	21°2	8°8	8°47	W30
T 31	8 40 49	11°12'01	13♏18	16°30	18°42	28°46	17°4	21°21	21°49	15°0	0°49	21°39	20°59	8°15	8°50	T 31

Delta T = 19.03 sec

Greg. Calendar

FEBRUARY 1799

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	8 44 46	12°12'53	26♏35	16♏50	19°58	29♏24	17♏9	21°R16	21°R47	15♏1	0♏50	21°R35	20♏56	8♏21	8♏52	F 1
S 2	8 48 43	13°13'44	9♏42	17°43	21°13	0♏1	17°13	21°12	21°45	15°1	0°52	21°28	20°53	8°28	8°54	S 2
S 3	8 52 39	14°14'35	22°38	18°40	22°28	0°39	17°18	21°8	21°43	15°2	0°53	21°18	20°49	8°35	8°56	S 3
M 4	8 56 36	15°15'24	5♏23	19°39	23°43	1°16	17°22	21°3	21°41	15°2	0°55	21°5	20°46	8°41	8°58	M 4
T 5	9 0 32	16°16'11	17°57	20°42	24°58	1°54	17°27	20°59	21°39	15°2	0°57	20°51	20°43	8°48	9°0	T 5
W 6	9 4 29	17°16'58	0♏20	21°46	26°14	2°32	17°32	20°55	21°37	15°3	0°58	20°36	20°40	8°55	9°2	W 6
T 7	9 8 25	18°17'43	12°31	22°53	27°29	3°9	17°38	20°51	21°35	15°3	1°0	20°23	20°37	9°1	9°4	T 7
F 8	9 12 22	19°18'26	24°32	24°2	28°44	3°47	17°43	20°47	21°33	15°3	1°2	20°11	20°34	9°8	9°5	F 8
S 9	9 16 18	20°19'08	6♏26	25°13	29°59	4°25	17°49	20°43	21°31	15°3	1°3	20°2	20°30	9°15	9°7	S 9
S 10	9 20 15	21°19'48	18°14	26°26	1♏14	5°2	17°55	20°39	21°29	15°4	1°5	19°56	20°27	9°21	9°8	S 10
M11	9 24 12	22°20'27	0♏2	27°40	2°29	5°40	18°1	20°35	21°27	15°4	1°7	19°53	20°24	9°28	9°9	M11
T 12	9 28 8	23°21'04	11°54	28°57	3°44	6°18	18°7	20°31	21°25	15°4	1°8	19°52	20°21	9°35	9°10	T 12
W13	9 32 5	24°21'40	23°54	0♏14	4°59	6°56	18°13	20°28	21°22	15°4	1°10	19°52	20°18	9°41	9°11	W13
T 14	9 36 1	25°22'13	6♏10	1°33	6°14	7°33	18°19	20°24	21°20	15°4	1°12	19°52	20°14	9°48	9°12	T 14
F 15	9 39 58	26°22'45	18°45	2°54	7°29	8°11	18°26	20°21	21°18	15°R4	1°13	19°50	20°11	9°55	9°13	F 15
S 16	9 43 54	27°23'15	1♏45	4°16	8°44	8°49	18°33	20°17	21°16	15°4	1°15	19°46	20°8	10°1	9°13	S 16
S 17	9 47 51	28°23'44	15°14	5°39	9°59	9°27	18°40	20°14	21°13	15°4	1°17	19°40	20°5	10°8	9°14	S 17
M18	9 51 47	29°24'10	29°11	7°3	11°14	10°5	18°47	20°11	21°11	15°4	1°18	19°31	20°2	10°15	9°14	M18
T 19	9 55 44	0♏24'35	13♏35	8°28	12°29	10°43	18°54	20°7	21°9	15°4	1°20	19°20	19°59	10°22	9°14	T 19
W20	9 59 41	1°24'58	28°21	9°55	13°44	11°20	19°2	20°4	21°6	15°4	1°22	19°8	19°55	10°28	9°14	W20
T 21	10 3 37	2°25'19	13♏20	11°23	14°59	11°58	19°9	20°1	21°4	15°3	1°23	18°57	19°52	10°35	9°R14	T 21
F 22	10 7 34	3°25'38	28°23	12°51	16°14	12°36	19°17	19°58	21°1	15°3	1°25	18°48	19°49	10°42	9°14	F 22
S 23	10 11 30	4°25'56	13♏20	14°21	17°28	13°14	19°25	19°56	20°59	15°3	1°27	18°41	19°46	10°48	9°14	S 23
S 24	10 15 27	5°26'13	28°3	15°52	18°43	13°52	19°33	19°53	20°56	15°3	1°28	18°37	19°43	10°55	9°14	S 24
M25	10 19 23	6°26'28	12♏28	17°24	19°58	14°30	19°41	19°50	20°54	15°2	1°30	18°D36	19°40	11°2	9°13	M25
T 26	10 23 20	7°26'41	26°32	18°57	21°13	15°8	19°49	19°48	20°51	15°2	1°32	18°36	19°36	11°8	9°13	T 26
W27	10 27 16	8°26'53	10♏15	20°32	22°28	15°46	19°57	19°45	20°49	15°1	1°33	18°R36	19°33	11°15	9°12	W27
T 28	10 31 13	9♏27'04	23♏38	22°28	23♏42	16♏24	20♏6	19°43	20°46	15°1	1°35	18°35	19°30	11°22	9°11	T 28

Delta T = 19.00 sec

Greg. Calendar

# ASTRODIENST EPHEMERIS for the year 1799

## geocentric

MARCH 1799

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	10 35 10	10 <sup>h</sup> 27'13"	6 <sup>h</sup> 34'	23 <sup>h</sup> 43'	24 <sup>h</sup> 57'	17 <sup>h</sup> 8' 2	20 <sup>h</sup> 8'15"	19 <sup>h</sup> R41	20 <sup>h</sup> R44	15 <sup>h</sup> R 1	1 <sup>h</sup> 37'	18 <sup>h</sup> R32	19 <sup>h</sup> 8'27"	11 <sup>h</sup> Y28	9 <sup>h</sup> R11	F 1
S 2	10 39 6	11 <sup>h</sup> 27'21"	19 <sup>h</sup> 35'	25 <sup>h</sup> 21'	26 <sup>h</sup> 12'	17 <sup>h</sup> 40'	20 <sup>h</sup> 23'	19 <sup>h</sup> 39'	20 <sup>h</sup> 41'	15 <sup>h</sup> M 0	1 <sup>h</sup> 38'	18 <sup>h</sup> 27'	19 <sup>h</sup> 24'	11 <sup>h</sup> 35'	9 <sup>h</sup> M10	S 2
S 3	10 43 3	12 <sup>h</sup> 27'27"	2 <sup>h</sup> 13'	26 <sup>h</sup> 59'	27 <sup>h</sup> 26'	18 <sup>h</sup> 18'	20 <sup>h</sup> 32'	19 <sup>h</sup> 37'	20 <sup>h</sup> 39'	15 <sup>h</sup> 0	1 <sup>h</sup> 40'	18 <sup>h</sup> 18'	19 <sup>h</sup> 20'	11 <sup>h</sup> 42'	9 <sup>h</sup> 8	S 3
M 4	10 46 59	13 <sup>h</sup> 27'31"	14 <sup>h</sup> 40'	28 <sup>h</sup> 39'	28 <sup>h</sup> 41'	18 <sup>h</sup> 56'	20 <sup>h</sup> 41'	19 <sup>h</sup> 35'	20 <sup>h</sup> 36'	14 <sup>h</sup> 59'	1 <sup>h</sup> 42'	18 <sup>h</sup> 8	19 <sup>h</sup> 17'	11 <sup>h</sup> 48'	9 <sup>h</sup> 7	M 4
T 5	10 50 56	14 <sup>h</sup> 27'33"	26 <sup>h</sup> 58'	0 <sup>h</sup> 19'	29 <sup>h</sup> 55'	19 <sup>h</sup> 34'	20 <sup>h</sup> 51'	19 <sup>h</sup> 33'	20 <sup>h</sup> 33'	14 <sup>h</sup> 59'	1 <sup>h</sup> 43'	17 <sup>h</sup> 56'	19 <sup>h</sup> 14'	11 <sup>h</sup> 55'	9 <sup>h</sup> 6	T 5
W 6	10 54 52	15 <sup>h</sup> 27'34"	9 <sup>h</sup> 7'	2 <sup>h</sup> 1	1 <sup>h</sup> Y10	20 <sup>h</sup> 12'	21 <sup>h</sup> 0	19 <sup>h</sup> 31'	20 <sup>h</sup> 31'	14 <sup>h</sup> 58'	1 <sup>h</sup> 45'	17 <sup>h</sup> 43'	19 <sup>h</sup> 11'	12 <sup>h</sup> 2	9 <sup>h</sup> 4	W 6
T 7	10 58 49	16 <sup>h</sup> 27'33"	21 <sup>h</sup> 9	3 <sup>h</sup> 44'	2 <sup>h</sup> 25'	20 <sup>h</sup> 50'	21 <sup>h</sup> 9	19 <sup>h</sup> 29'	20 <sup>h</sup> 28'	14 <sup>h</sup> 57'	1 <sup>h</sup> 47'	17 <sup>h</sup> 32'	19 <sup>h</sup> 8	12 <sup>h</sup> 8	9 <sup>h</sup> 3	T 7
F 8	11 2 45	17 <sup>h</sup> 27'29"	3 <sup>h</sup> Y 3	5 <sup>h</sup> 28'	3 <sup>h</sup> 39'	21 <sup>h</sup> 28'	21 <sup>h</sup> 19'	19 <sup>h</sup> 28'	20 <sup>h</sup> 26'	14 <sup>h</sup> 57'	1 <sup>h</sup> 48'	17 <sup>h</sup> 22'	19 <sup>h</sup> 5	12 <sup>h</sup> 15'	9 <sup>h</sup> 1	F 8
S 9	11 6 42	18 <sup>h</sup> 27'24"	14 <sup>h</sup> 54'	7 <sup>h</sup> 13'	4 <sup>h</sup> 54'	22 <sup>h</sup> 6	21 <sup>h</sup> 29'	19 <sup>h</sup> 27'	20 <sup>h</sup> 23'	14 <sup>h</sup> 56'	1 <sup>h</sup> 50'	17 <sup>h</sup> 14'	19 <sup>h</sup> 1	12 <sup>h</sup> 22'	9 <sup>h</sup> 0	S 9
S 10	11 10 38	19 <sup>h</sup> 27'17"	26 <sup>h</sup> 41'	8 <sup>h</sup> 59'	6 <sup>h</sup> 8	22 <sup>h</sup> 44'	21 <sup>h</sup> 38'	19 <sup>h</sup> 25'	20 <sup>h</sup> 20'	14 <sup>h</sup> 55'	1 <sup>h</sup> 51'	17 <sup>h</sup> 9	18 <sup>h</sup> 58'	12 <sup>h</sup> 28'	8 <sup>h</sup> 58'	S 10
M 11	11 14 35	20 <sup>h</sup> 27'07"	8 <sup>h</sup> 29'	10 <sup>h</sup> 47'	7 <sup>h</sup> 22'	23 <sup>h</sup> 22'	21 <sup>h</sup> 48'	19 <sup>h</sup> 24'	20 <sup>h</sup> 18'	14 <sup>h</sup> 54'	1 <sup>h</sup> 53'	17 <sup>h</sup> 7	18 <sup>h</sup> 55'	12 <sup>h</sup> 35'	8 <sup>h</sup> 56'	M 11
T 12	11 18 32	21 <sup>h</sup> 26'56"	20 <sup>h</sup> 20'	12 <sup>h</sup> 36'	8 <sup>h</sup> 37'	24 <sup>h</sup> 0	21 <sup>h</sup> 58'	19 <sup>h</sup> 23'	20 <sup>h</sup> 15'	14 <sup>h</sup> 54'	1 <sup>h</sup> 55'	17 <sup>h</sup> D 7	18 <sup>h</sup> 52'	12 <sup>h</sup> 42'	8 <sup>h</sup> 54'	T 12
W 13	11 22 28	22 <sup>h</sup> 26'42"	2 <sup>h</sup> II 20	14 <sup>h</sup> 25'	9 <sup>h</sup> 51'	24 <sup>h</sup> 38'	22 <sup>h</sup> 9	19 <sup>h</sup> 22'	20 <sup>h</sup> 12'	14 <sup>h</sup> 53'	1 <sup>h</sup> 56'	17 <sup>h</sup> 7	18 <sup>h</sup> 49'	12 <sup>h</sup> 48'	8 <sup>h</sup> 51'	W 13
T 14	11 26 25	23 <sup>h</sup> 26'26"	14 <sup>h</sup> 34'	16 <sup>h</sup> 16'	11 <sup>h</sup> 6	25 <sup>h</sup> 16'	22 <sup>h</sup> 19'	19 <sup>h</sup> 21'	20 <sup>h</sup> 10'	14 <sup>h</sup> 52'	1 <sup>h</sup> 58'	17 <sup>h</sup> 9	18 <sup>h</sup> 45'	12 <sup>h</sup> 55'	8 <sup>h</sup> 49'	T 14
F 15	11 30 21	24 <sup>h</sup> 26'08"	27 <sup>h</sup> 6	18 <sup>h</sup> 9	12 <sup>h</sup> 20'	25 <sup>h</sup> 54'	22 <sup>h</sup> 29'	19 <sup>h</sup> 21'	20 <sup>h</sup> 7	14 <sup>h</sup> 51'	1 <sup>h</sup> 59'	17 <sup>h</sup> R 9	18 <sup>h</sup> 42'	13 <sup>h</sup> 2	8 <sup>h</sup> 47'	F 15
S 16	11 34 18	25 <sup>h</sup> 25'47"	10 <sup>h</sup> 1	20 <sup>h</sup> 2	13 <sup>h</sup> 34'	26 <sup>h</sup> 33'	22 <sup>h</sup> 40'	19 <sup>h</sup> 20'	20 <sup>h</sup> 5	14 <sup>h</sup> 50'	2 <sup>h</sup> 1	17 <sup>h</sup> 8	18 <sup>h</sup> 39'	13 <sup>h</sup> 8	8 <sup>h</sup> 44'	S 16
S 17	11 38 14	26 <sup>h</sup> 25'25"	23 <sup>h</sup> 23'	21 <sup>h</sup> 57'	14 <sup>h</sup> 48'	27 <sup>h</sup> 11'	22 <sup>h</sup> 50'	19 <sup>h</sup> 19'	20 <sup>h</sup> 2	14 <sup>h</sup> 49'	2 <sup>h</sup> 2	17 <sup>h</sup> 4	18 <sup>h</sup> 36'	13 <sup>h</sup> 15'	8 <sup>h</sup> 42'	S 17
M 18	11 42 11	27 <sup>h</sup> 25'00"	7 <sup>h</sup> 15'	23 <sup>h</sup> 53'	16 <sup>h</sup> 3	27 <sup>h</sup> 49'	23 <sup>h</sup> 1	19 <sup>h</sup> 19'	19 <sup>h</sup> 59'	14 <sup>h</sup> 48'	2 <sup>h</sup> 4	16 <sup>h</sup> 59'	18 <sup>h</sup> 33'	13 <sup>h</sup> 22'	8 <sup>h</sup> 39'	M 18
T 19	11 46 7	28 <sup>h</sup> 24'32"	21 <sup>h</sup> 37'	25 <sup>h</sup> 50'	17 <sup>h</sup> 17'	28 <sup>h</sup> 27'	23 <sup>h</sup> 12'	19 <sup>h</sup> 19'	19 <sup>h</sup> 57'	14 <sup>h</sup> 47'	2 <sup>h</sup> 6	16 <sup>h</sup> 53'	18 <sup>h</sup> 30'	13 <sup>h</sup> 28'	8 <sup>h</sup> 36'	T 19
W 20	11 50 4	29 <sup>h</sup> 24'03"	6 <sup>h</sup> 12'	27 <sup>h</sup> 48'	18 <sup>h</sup> 31'	29 <sup>h</sup> 5	23 <sup>h</sup> 22'	19 <sup>h</sup> 19'	19 <sup>h</sup> 54'	14 <sup>h</sup> 46'	2 <sup>h</sup> 7	16 <sup>h</sup> 45'	18 <sup>h</sup> 26'	13 <sup>h</sup> 35'	8 <sup>h</sup> 34'	W 20
T 21	11 54 1	0 <sup>h</sup> Y23'31"	21 <sup>h</sup> 29'	29 <sup>h</sup> 47'	19 <sup>h</sup> 45'	29 <sup>h</sup> 43'	23 <sup>h</sup> 33'	19 <sup>h</sup> D 19	19 <sup>h</sup> 52'	14 <sup>h</sup> 45'	2 <sup>h</sup> 9	16 <sup>h</sup> 38'	18 <sup>h</sup> 23'	13 <sup>h</sup> 42'	8 <sup>h</sup> 31'	T 21
F 22	11 57 57	1 <sup>h</sup> 22'57"	6 <sup>h</sup> 44'	1 <sup>h</sup> Y47'	20 <sup>h</sup> 59'	0 <sup>h</sup> II 21	23 <sup>h</sup> 44'	19 <sup>h</sup> 19'	19 <sup>h</sup> 49'	14 <sup>h</sup> 44'	2 <sup>h</sup> 10	16 <sup>h</sup> 32'	18 <sup>h</sup> 20'	13 <sup>h</sup> 48'	8 <sup>h</sup> 28'	F 22
S 23	12 1 54	2 <sup>h</sup> 22'21"	21 <sup>h</sup> 58'	3 <sup>h</sup> 47'	22 <sup>h</sup> 13'	0 <sup>h</sup> 59'	23 <sup>h</sup> 56'	19 <sup>h</sup> 19'	19 <sup>h</sup> 47'	14 <sup>h</sup> 43'	2 <sup>h</sup> 12	16 <sup>h</sup> 28'	18 <sup>h</sup> 17'	13 <sup>h</sup> 55'	8 <sup>h</sup> 25'	S 23
S 24	12 5 50	3 <sup>h</sup> 21'43"	7 <sup>h</sup> M 0	5 <sup>h</sup> 49'	23 <sup>h</sup> 27'	1 <sup>h</sup> 37'	24 <sup>h</sup> 7	19 <sup>h</sup> 19'	19 <sup>h</sup> 44'	14 <sup>h</sup> 42'	2 <sup>h</sup> 13	16 <sup>h</sup> 26'	18 <sup>h</sup> 14'	14 <sup>h</sup> 2	8 <sup>h</sup> 21'	S 24
M 25	12 9 47	4 <sup>h</sup> 21'03"	21 <sup>h</sup> 43'	7 <sup>h</sup> 51'	24 <sup>h</sup> 41'	2 <sup>h</sup> 15'	24 <sup>h</sup> 18'	19 <sup>h</sup> 19'	19 <sup>h</sup> 42'	14 <sup>h</sup> 41'	2 <sup>h</sup> 15	16 <sup>h</sup> D 25	18 <sup>h</sup> 11'	14 <sup>h</sup> 8	8 <sup>h</sup> 18'	M 25
T 26	12 13 43	5 <sup>h</sup> 20'22"	6 <sup>h</sup> 2	9 <sup>h</sup> 54'	25 <sup>h</sup> 55'	2 <sup>h</sup> 53'	24 <sup>h</sup> 29'	19 <sup>h</sup> 20'	19 <sup>h</sup> 39'	14 <sup>h</sup> 40'	2 <sup>h</sup> 16	16 <sup>h</sup> 26'	18 <sup>h</sup> 7	14 <sup>h</sup> 15'	8 <sup>h</sup> 15'	T 26
W 27	12 17 40	6 <sup>h</sup> 19'39"	19 <sup>h</sup> 56'	11 <sup>h</sup> 57'	27 <sup>h</sup> 9	3 <sup>h</sup> 31'	24 <sup>h</sup> 41'	19 <sup>h</sup> 20'	19 <sup>h</sup> 37'	14 <sup>h</sup> 39'	2 <sup>h</sup> 17	16 <sup>h</sup> 28'	18 <sup>h</sup> 4	14 <sup>h</sup> 22'	8 <sup>h</sup> 11'	W 27
T 28	12 21 36	7 <sup>h</sup> 18'54"	3 <sup>h</sup> 25'	14 <sup>h</sup> 0	28 <sup>h</sup> 23'	4 <sup>h</sup> 9	24 <sup>h</sup> 53'	19 <sup>h</sup> 21'	19 <sup>h</sup> 34'	14 <sup>h</sup> 37'	2 <sup>h</sup> 19	16 <sup>h</sup> R 29	18 <sup>h</sup> 1	14 <sup>h</sup> 28'	8 <sup>h</sup> 8	T 28
F 29	12 25 33	8 <sup>h</sup> 18'07"	16 <sup>h</sup> 31'	16 <sup>h</sup> 2	29 <sup>h</sup> 36'	4 <sup>h</sup> 47'	25 <sup>h</sup> 4	19 <sup>h</sup> 22'	19 <sup>h</sup> 32'	14 <sup>h</sup> 36'	2 <sup>h</sup> 20	16 <sup>h</sup> 28'	17 <sup>h</sup> 58'	14 <sup>h</sup> 35'	8 <sup>h</sup> 4	F 29
S 30	12 29 30	9 <sup>h</sup> 17'19"	29 <sup>h</sup> 17'	18 <sup>h</sup> 4	0 <sup>h</sup> 8'50"	5 <sup>h</sup> 25'	25 <sup>h</sup> 16'	19 <sup>h</sup> 23'	19 <sup>h</sup> 29'	14 <sup>h</sup> 35'	2 <sup>h</sup> 22	16 <sup>h</sup> 27'	17 <sup>h</sup> 55'	14 <sup>h</sup> 42'	8 <sup>h</sup> 1	S 30
S 31	12 33 26	10 <sup>h</sup> Y16'29"	11 <sup>h</sup> 47'	20 <sup>h</sup> Y 5	2 <sup>h</sup> 8 4	6 <sup>h</sup> II 3	25 <sup>h</sup> 8'28"	19 <sup>h</sup> 24'	19 <sup>h</sup> 27'	14 <sup>h</sup> M 34	2 <sup>h</sup> 23	16 <sup>h</sup> 23'	17 <sup>h</sup> 51'	14 <sup>h</sup> Y48	7 <sup>h</sup> M 57	S 31

Delta T = 18.97 sec

Greg. Calendar

APRIL 1799

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	12 37 23	11°15'37	24≈ 3	22°5	38'18	6°II 41	25°8'40	19°25	19°R25	14°R32	2°24	16°R18	17°8'48	14°°55	7°R53	M 1
T 2	12 41 19	12°14'43	6°10	24° 4	4°31	7°19	25°52	19°26	19°22	14°M 31	2°26	16°8'12	17°45	15° 2	7°M 49	T 2
W 3	12 45 16	13°13'47	18° 9	26° 0	5°45	7°57	26° 4	19°28	19°20	14°30	2°27	16° 6	17°42	15° 8	7°45	W 3
T 4	12 49 12	14°12'49	0°Y 2	27°54	6°58	8°35	26°16	19°29	19°18	14°28	2°28	16° 0	17°39	15°15	7°42	T 4
F 5	12 53 9	15°11'49	11°52	29°46	8°12	9°13	26°28	19°31	19°15	14°27	2°30	15°55	17°36	15°22	7°37	F 5
S 6	12 57 5	16°10'47	23°40	1°8'34	9°25	9°51	26°40	19°32	19°13	14°26	2°31	15°52	17°32	15°28	7°33	S 6
S 7	13 1 2	17° 9'44	5°8'28	3°19	10°39	10°29	26°53	19°34	19°11	14°24	2°32	15°50	17°29	15°35	7°29	S 7
M 8	13 4 59	18° 8'38	17°20	5° 0	11°52	11° 7	27° 5	19°36	19° 9	14°23	2°34	15°D 49	17°26	15°42	7°25	M 8
T 9	13 8 55	19° 7'30	29°16	6°37	13° 6	11°45	27°17	19°38	19° 6	14°21	2°35	15°50	17°23	15°48	7°21	T 9
W 10	13 12 52	20° 6'20	11°II 22	8°10	14°19	12°23	27°30	19°40	19° 4	14°20	2°36	15°51	17°20	15°55	7°17	W 10
T 11	13 16 48	21° 5'07	23°39	9°39	15°32	13° 1	27°43	19°43	19° 2	14°19	2°37	15°53	17°17	16° 2	7°12	T 11
F 12	13 20 45	22° 3'53	6°12	11° 2	16°46	13°39	27°55	19°45	19° 0	14°17	2°39	15°55	17°13	16° 8	7° 8	F 12
S 13	13 24 41	23° 2'36	19° 6	12°21	17°59	14°17	28° 8	19°47	18°58	14°16	2°40	15°R 55	17°10	16°15	7° 4	S 13
S 14	13 28 38	24° 1'17	2°II 22	13°34	19°12	14°55	28°21	19°50	18°56	14°14	2°41	15°55	17° 7	16°22	6°59	S 14
M 15	13 32 34	24°59'56	16° 5	14°43	20°25	15°33	28°34	19°52	18°54	14°13	2°42	15°54	17° 4	16°28	6°55	M 15
T 16	13 36 31	25°58'32	0°m 14	15°46	21°38	16°11	28°46	19°55	18°52	14°11	2°43	15°52	17° 1	16°35	6°50	T 16
W 17	13 40 28	26°57'07	14°49	16°43	22°51	16°49	28°59	19°58	18°50	14°10	2°44	15°50	16°57	16°42	6°46	W 17
T 18	13 44 24	27°55'39	29°44	17°35	24° 4	17°27	29°12	20° 1	18°48	14° 8	2°45	15°47	16°54	16°48	6°41	T 18
F 19	13 48 21	28°54'09	14°15'3	18°21	25°17	18° 5	29°25	20° 4	18°47	14° 6	2°46	15°45	16°51	16°55	6°37	F 19
S 20	13 52 17	29°52'37	0°m 6	19° 2	26°30	18°43	29°38	20° 7	18°45	14° 5	2°47	15°44	16°48	17° 2	6°32	S 20
S 21	13 56 14	0°8'51'03	15°13	19°36	27°43	19°21	29°51	20°10	18°43	14° 3	2°48	15°D 44	16°45	17° 8	6°27	S 21
M 22	14 0 10	1°49'27	0°7' 6	20° 5	28°56	19°59	0°II 5	20°14	18°41	14° 2	2°49	15°44	16°42	17°15	6°23	M 22
T 23	14 4 7	2°47'50	14°37	20°29	0°II 9	20°37	0°18	20°17	18°40	14° 0	2°50	15°45	16°38	17°22	6°18	T 23
W 24	14 8 3	3°46'11	28°43	20°46	1°21	21°15	0°31	20°21	18°38	13°59	2°51	15°46	16°35	17°28	6°14	W 24
T 25	14 12 0	4°44'31	12°3'22	20°58	2°34	21°53	0°44	20°24	18°37	13°57	2°52	15°47	16°32	17°35	6° 9	T 25
F 26	14 15 57	5°42'49	25°35	21° 4	3°47	22°31	0°58	20°28	18°35	13°55	2°53	15°47	16°29	17°42	6° 4	F 26
S 27	14 19 53	6°41'06	8≈25	21°R 4	4°59	23° 8	1°11	20°32	18°34	13°54	2°54	15°R 48	16°26	17°48	6° 0	S 27
S 28	14 23 50	7°39'21	20°54	21° 0	6°12	23°46	1°25	20°35	18°32	13°52	2°55	15°47	16°22	17°55	5°55	S 28
M 29	14 27 46	8°37'34	3°K 8	20°50	7°24	24°24	1°38	20°39	18°31	13°50	2°56	15°47	16°19	18° 2	5°50	M 29
T 30	14 31 43	9°35'46	15°K 9	20°8'35	8°II 37	25°II 2	1°II 51	20°343	18°m 29	13°M 49	2°57	15°8'46	16°8'16	18°Y 8	5°M 46	T 30

ASTRODIENST EPHEMERIS for the year 1799  
geocentric

MAY 1799

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	14 35 39	10♂33'56	27♂ 2	20°R16	9♂49	25♂40	2♂ 5	20♂48	18°R28	13°R47	2♂57	15°R45	16♂13	18°Y15	5°R41	W 1
T 2	14 39 36	11°32'05	8°Y51	19♂53	11° 1	26°18	2°19	20°52	18°R27	13°R46	2°58	15♂45	16°10	18°22	5♂37	T 2
F 3	14 43 32	12°30'12	20°39	19°26	12°14	26°56	2°32	20°56	18°26	13°44	2°59	15°44	16° 7	18°28	5°32	F 3
S 4	14 47 29	13°28'18	2♂28	18°56	13°26	27°33	2°46	21° 1	18°24	13°42	3° 0	15°44	16° 3	18°35	5°27	S 4
S 5	14 51 26	14°26'22	14°21	18°24	14°38	28°11	2°59	21° 5	18°23	13°41	3° 0	15°D44	16° 0	18°42	5°23	S 5
M 6	14 55 22	15°24'25	26°20	17°50	15°50	28°49	3°13	21°10	18°22	13°39	3° 1	15°R44	15°57	18°48	5°18	M 6
T 7	14 59 19	16°22'26	8♂27	17°14	17° 2	29°27	3°27	21°14	18°21	13°37	3° 2	15°44	15°54	18°55	5°14	T 7
W 8	15 3 15	17°20'25	20°44	16°38	18°14	0♂ 5	3°41	21°19	18°20	13°36	3° 2	15°44	15°51	19° 2	5° 9	W 8
T 9	15 7 12	18°18'23	3♂13	16° 1	19°26	0°43	3°54	21°24	18°19	13°34	3° 3	15°43	15°48	19° 8	5° 5	T 9
F 10	15 11 8	19°16'19	15°56	15°25	20°38	1°21	4° 8	21°29	18°18	13°33	3° 4	15°43	15°44	19°15	5° 1	F 10
S 11	15 15 5	20°14'13	28°56	14°51	21°50	1°58	4°22	21°34	18°18	13°31	3° 4	15°43	15°41	19°22	4°56	S 11
S 12	15 19 1	21°12'05	12♂13	14°18	23° 2	2°36	4°36	21°39	18°17	13°29	3° 5	15°42	15°38	19°28	4°52	S 12
M 13	15 22 58	22° 9'56	25°51	13°48	24°13	3°14	4°50	21°44	18°16	13°28	3° 5	15°D42	15°35	19°35	4°48	M 13
T 14	15 26 55	23° 7'44	9♂50	13°20	25°25	3°52	5° 3	21°49	18°16	13°26	3° 6	15°43	15°32	19°42	4°43	T 14
W 15	15 30 51	24° 5'31	24° 8	12°56	26°37	4°30	5°17	21°54	18°15	13°24	3° 6	15°43	15°28	19°48	4°39	W 15
T 16	15 34 48	25° 3'17	8♂44	12°35	27°48	5° 7	5°31	21°59	18°14	13°23	3° 7	15°44	15°25	19°55	4°35	T 16
F 17	15 38 44	26° 1'00	23°34	12°18	29° 0	5°45	5°45	22° 5	18°14	13°21	3° 7	15°45	15°22	20° 2	4°31	F 17
S 18	15 42 41	26°58'42	8♂30	12° 5	0♂11	6°23	5°59	22°10	18°13	13°20	3° 8	15°R45	15°19	20° 8	4°27	S 18
S 19	15 46 37	27°56'23	23°26	11°56	1°22	7° 1	6°13	22°16	18°13	13°18	3° 8	15°45	15°16	20°15	4°23	S 19
M 20	15 50 34	28°54'03	8♂13	11°D52	2°34	7°38	6°27	22°21	18°13	13°17	3° 8	15°44	15°13	20°22	4°19	M 20
T 21	15 54 30	29°51'41	22°45	11°52	3°45	8°16	6°41	22°27	18°12	13°15	3° 9	15°43	15° 9	20°28	4°15	T 21
W 22	15 58 27	0♂49'18	6♂55	11°57	4°56	8°54	6°55	22°33	18°12	13°14	3° 9	15°41	15° 6	20°35	4°11	W 22
T 23	16 2 24	1°46'54	20°40	12° 6	6° 7	9°32	7° 9	22°39	18°12	13°12	3° 9	15°39	15° 3	20°42	4° 8	T 23
F 24	16 6 20	2°44'29	3♂59	12°20	7°18	10° 9	7°23	22°45	18°12	13°10	3°10	15°37	15° 0	20°48	4° 4	F 24
S 25	16 10 17	3°42'04	16°54	12°38	8°29	10°47	7°37	22°51	18°12	13° 9	3°10	15°36	14°57	20°55	4° 0	S 25
S 26	16 14 13	4°39'37	29°26	13° 1	9°40	11°25	7°51	22°57	18°D12	13° 7	3°10	15°D35	14°54	21° 2	3°57	S 26
M 27	16 18 10	5°37'09	11♂41	13°28	10°50	12° 3	8° 5	23° 3	18°12	13° 6	3°10	15°35	14°50	21° 8	3°53	M 27
T 28	16 22 6	6°34'41	23°42	13°59	12° 1	12°40	8°19	23° 9	18°12	13° 4	3°10	15°36	14°47	21°15	3°50	T 28
W 29	16 26 3	7°32'11	5°Y34	14°34	13°12	13°18	8°33	23°15	18°12	13° 3	3°10	15°37	14°44	21°21	3°47	W 29
T 30	16 29 59	8°29'41	17°22	15°14	14°22	13°56	8°47	23°21	18°12	13° 2	3°11	15°39	14°41	21°28	3°43	T 30
F 31	16 33 56	9♂27'10	29°Y11	15♂57	15♂33	14♂33	9♂ 0	23♂27	18♂12	13♂ 0	3♂11	15♂40	14♂38	21°Y35	3♂40	F 31

Delta T = 18.89 sec

Greg. Calendar

JUNE 1799

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 37 53	10♂24'38	11♂ 3	16♂44	16♂43	15♂11	9♂14	23♂34	18♂13	12°R59	3♂11	15°R41	14♂34	21°Y41	3°R37	S 1
S 2	16 41 49	11°22'06	23° 3	17°34	17°54	15°49	9°28	23°40	18°13	12°R57	3°11	15♂41	14°31	21°48	3♂34	S 2
M 3	16 45 46	12°19'33	5♂12	18°29	19° 4	16°27	9°42	23°47	18°13	12°56	3°R11	15°40	14°28	21°55	3°31	M 3
T 4	16 49 42	13°16'58	17°33	19°26	20°14	17° 4	9°56	23°53	18°14	12°55	3°11	15°37	14°25	22° 1	3°28	T 4
W 5	16 53 39	14°14'23	0♂ 7	20°28	21°24	17°42	10°10	24° 0	18°14	12°53	3°11	15°33	14°22	22° 8	3°26	W 5
T 6	16 57 35	15°11'47	12°55	21°32	22°34	18°20	10°24	24° 6	18°15	12°52	3°11	15°29	14°19	22°15	3°23	T 6
F 7	17 1 32	16° 9'11	25°56	22°40	23°44	18°58	10°38	24°13	18°15	12°51	3°11	15°24	14°15	22°21	3°21	F 7
S 8	17 5 28	17° 6'33	9♂11	23°52	24°54	19°35	10°52	24°20	18°16	12°49	3°11	15°19	14°12	22°28	3°18	S 8
S 9	17 9 25	18° 3'54	22°40	25° 6	26° 4	20°13	11° 6	24°26	18°17	12°48	3°10	15°16	14° 9	22°35	3°16	S 9
M 10	17 13 22	19° 1'14	6♂22	26°24	27°13	20°51	11°20	24°33	18°18	12°47	3°10	15°14	14° 6	22°41	3°13	M 10
T 11	17 17 18	19°58'33	20°17	27°44	28°23	21°28	11°34	24°40	18°18	12°46	3°10	15°D13	14° 3	22°48	3°11	T 11
W 12	17 21 15	20°55'51	4♂24	29° 8	29°32	22° 6	11°48	24°47	18°19	12°44	3°10	15°14	14° 0	22°55	3° 9	W 12
T 13	17 25 11	21°53'08	18°43	0♂35	0♂42	22°44	12° 2	24°54	18°20	12°43	3°10	15°15	13°56	23° 1	3° 7	T 13
F 14	17 29 8	22°50'25	3♂10	2° 5	1°51	23°21	12° 15	25° 1	18°21	12°42	3° 9	15°16	13°53	23° 8	3° 5	F 14
S 15	17 33 4	23°47'40	17°42	3°38	3° 0	23°59	12°29	25° 8	18°22	12°41	3° 9	15°R17	13°50	23°15	3° 3	S 15
S 16	17 37 1	24°44'55	2♂16	5°13	4° 9	24°37	12°43	25°15	18°23	12°40	3° 9	15°16	13°47	23°21	3° 2	S 16
M 17	17 40 57	25°42'10	16°44	6°52	5°18	25°14	12°57	25°22	18°24	12°39	3° 8	15°13	13°44	23°28	3° 0	M 17
T 18	17 44 54	26°39'24	1♂ 1	8°34	6°27	25°52	13°11	25°29	18°26	12°38	3° 8	15° 8	13°40	23°35	2°59	T 18
W 19	17 48 51	27°36'37	15° 3	10°19	7°36	26°30	13°24	25°36	18°27	12°37	3° 8	15° 2	13°37	23°41	2°57	W 19
T 20	17 52 47	28°33'50	28°44	12° 6	8°44	27° 8	13°38	25°43	18°28	12°36	3° 7	14°55	13°34	23°48	2°56	T 20
F 21	17 56 44	29°31'03	12♂ 2	13°56	9°53	27°45	13°52	25°51	18°29	12°35	3° 7	14°48	13°31	23°55	2°55	F 21
S 22	18 0 40	0♂28'16	24°58	15°49	11° 1	28°23	14° 5	25°58	18°31	12°34	3° 7	14°42	13°28	24° 1	2°54	S 22
S 23	18 4 37	1°25'28	7♂32	17°45	12° 9	29° 1	14°19	26° 5	18°32	12°33	3° 6	14°38	13°25	24° 8	2°53	S 23
M 24	18 8 33	2°22'41	19°48	19°43	13°17	29°38	14°33	26°12	18°34	12°32	3° 6	14°35	13°21	24°15	2°52	M 24
T 25	18 12 30	3°19'53	1°Y50	21°43	14°25	0♂16	14°46	26°20	18°35	12°31	3° 5	14°D34	13°18	24°21	2°51	T 25
W 26	18 16 27	4°17'06	13°42	23°46	15°33	0°54	15° 0	26°27	18°37	12°30	3° 5	14°34	13°15	24°28	2°50	W 26
T 27	18 20 23	5°14'18	25°31	25°50	16°41	1°31	15°13	26°35	18°38	12°29	3° 4	14°35	13°12	24°34	2°50	T 27
F 28	18 24 20	6°11'31	7♂21	27°56	17°49	2° 9	15°27	26°42	18°40	12°28	3° 3	14°36	13° 9	24°41	2°49	F 28
S 29	18 28 16	7° 8'44	19°17	0♂ 3	18°56	2°47	15°40	26°49	18°42	12°28	3° 3	14°R37	13° 6	24°48	2°49	S 29
S 30	18 32 13	8♂ 5'57	1♂23	2♂12	20♂ 3	3♂25	15♂54	26♂57	18♂44	12♂27	3♂ 2	14♂35	13♂ 2	24°Y54	2♂49	S 30

Delta T = 18.86 sec

Greg. Calendar

## ASTRODIENST EPHEMERIS for the year 1799

geocentric

JULY 1799

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	18 36 9	9°31'0	13°43'	4°21'	21°11'	4°2'	16°11'	27°4'	18°45'	12°R26	3°R 2	14°R31	12°59'	25°Y 1	2°R49	M 1
T 2	18 40 6	10° 0'23	26°19'	6°31'	22°18'	4°40'	16°20'	27°12'	18°47'	12°M25	3°H 1	14°B25	12°56'	25° 8	2°D49	T 2
W 3	18 44 2	10°57'37	9°51'	8°41'	23°25'	5°18'	16°34'	27°19'	18°49'	12°25'	3° 0	14°17'	12°53'	25°14'	2°M49	W 3
T 4	18 47 59	11°54'50	22°21'	10°52'	24°31'	5°55'	16°47'	27°27'	18°51'	12°24'	3° 0	14° 8	12°50'	25°21'	2°49	T 4
F 5	18 51 56	12°52'04	5°46'	13° 2	25°38'	6°33'	17° 0	27°35'	18°53'	12°23'	2°59'	13°58'	12°46'	25°28'	2°49	F 5
S 6	18 55 52	13°49'17	19°24'	15°11'	26°44'	7°11'	17°13'	27°42'	18°55'	12°23'	2°58'	13°49'	12°43'	25°34'	2°50	S 6
S 7	18 59 49	14°46'30	3°13'	17°20'	27°51'	7°49'	17°26'	27°50'	18°57'	12°22'	2°57'	13°42'	12°40'	25°41'	2°50	S 7
M 8	19 3 45	15°43'43	17° 9	19°28'	28°57'	8°26'	17°39'	27°58'	18°59'	12°22'	2°57'	13°36'	12°37'	25°48'	2°51	M 8
T 9	19 7 42	16°40'57	1°11'	21°34'	0°13'	9° 4	17°53'	28° 5	19° 2	12°21'	2°56'	13°33'	12°34'	25°54'	2°52	T 9
W10	19 11 38	17°38'10	15°17'	23°40'	1° 8	9°42'	18° 6	28°13'	19° 4	12°21'	2°55'	13°D32	12°31'	26° 1	2°52	W10
T 11	19 15 35	18°35'23	29°26'	25°44'	2°14'	10°20'	18°18'	28°21'	19° 6	12°20'	2°54'	13°32'	12°27'	26° 8	2°53	T 11
F 12	19 19 31	19°32'36	13°36'	27°46'	3°19'	10°57'	18°31'	28°28'	19° 8	12°20'	2°53'	13°R33	12°24'	26°14'	2°54	F 12
S 13	19 23 28	20°29'49	27°47'	29°47'	4°25'	11°35'	18°44'	28°36'	19°11'	12°19'	2°52'	13°32'	12°21'	26°21'	2°56	S 13
S 14	19 27 25	21°27'02	11°55'	1°46'	5°30'	12°13'	18°57'	28°44'	19°13'	12°19'	2°52'	13°29'	12°18'	26°28'	2°57	S 14
M15	19 31 21	22°24'16	25°58'	3°43'	6°34'	12°51'	19°10'	28°51'	19°16'	12°19'	2°51'	13°24'	12°15'	26°34'	2°58	M15
T 16	19 35 18	23°21'30	9°53'	5°39'	7°39'	13°28'	19°22'	28°59'	19°18'	12°19'	2°50'	13°16'	12°12'	26°41'	3° 0	T 16
W17	19 39 14	24°18'44	23°35'	7°33'	8°43'	14° 6	19°35'	29° 7	19°21'	12°18'	2°49'	13° 6	12° 8	26°48'	3° 1	W17
T 18	19 43 11	25°15'59	7°22'	9°25'	9°47'	14°44'	19°47'	29°15'	19°23'	12°18'	2°48'	12°55'	12° 5	26°54'	3° 3	T 18
F 19	19 47 7	26°13'14	20°10'	11°16'	10°51'	15°22'	20° 0	29°22'	19°26'	12°18'	2°47'	12°43'	12° 2	27° 1	3° 5	F 19
S 20	19 51 4	27°10'30	2°59'	13° 4	11°55'	16° 0	20°12'	29°30'	19°28'	12°18'	2°46'	12°33'	11°59'	27° 7	3° 7	S 20
S 21	19 55 0	28° 7'47	15°30'	14°51'	12°59'	16°37'	20°25'	29°38'	19°31'	12°18'	2°45'	12°24'	11°56'	27°14'	3° 9	S 21
M22	19 58 57	29° 5'04	27°44'	16°36'	14° 2	17°15'	20°37'	29°46'	19°34'	12°17'	2°44'	12°18'	11°52'	27°21'	3°11	M22
T 23	20 2 54	0°42'22	9°45'	18°19'	15° 5	17°53'	20°49'	29°53'	19°36'	12°17'	2°43'	12°14'	11°49'	27°27'	3°13	T 23
W24	20 6 50	0°59'41	21°37'	20° 1	16° 7	18°31'	21° 1	0°42'1	19°39'	12°17'	2°42'	12°13'	11°46'	27°34'	3°15	W24
T 25	20 10 47	1°57'02	3°26'	21°41'	17°10'	19° 9	21°14'	0° 9	19°42'	12°D17	2°41'	12°D12	11°43'	27°41'	3°18	T 25
F 26	20 14 43	2°54'23	15°17'	23°19'	18°12'	19°47'	21°26'	0°17'	19°45'	12°17'	2°40'	12°R12	11°40'	27°47'	3°20	F 26
S 27	20 18 40	3°51'45	27°14'	24°55'	19°14'	20°24'	21°38'	0°24'	19°48'	12°17'	2°39'	12°12'	11°37'	27°54'	3°23	S 27
S 28	20 22 36	4°49'09	9°24'	26°30'	20°15'	21° 2	21°50'	0°32'	19°51'	12°18'	2°37'	12° 9	11°33'	28° 1	3°26	S 28
M29	20 26 33	5°46'33	21°51'	28° 3	21°17'	21°40'	22° 1	0°40'	19°54'	12°18'	2°36'	12° 5	11°30'	28° 7	3°29	M29
T 30	20 30 29	6°43'59	4°38'	29°34'	22°18'	22°18'	22°13'	0°48'	19°57'	12°18'	2°35'	11°57'	11°27'	28°14'	3°32	T 30
W31	20 34 26	7°41'25	17°46'	1°13'	23°19'	22°56'	22°11'	0°55'	20°10'	12°M18	2°34'	11°B47	11°B24	28°Y21	3°M35	W31

Delta T = 18.82 sec

Greg. Calendar

AUGUST 1799

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	20 38 23	8°38'53	1°15'	2°13'	24°19'	23°13'	22°11'	1°12'	20°13'	12°M18	2°R33	11°R36	11°B21	28°Y27	3°M38	T 1
F 2	20 42 19	9°36'21	15° 4	3°56'	25°19'	24°12'	22°48'	1°11'	20° 6	12°19'	2°H32	11°B24	11°18'	28°34'	3°41	F 2
S 3	20 46 16	10°33'51	29° 7	5°20'	26°19'	24°50'	22°59'	1°19'	20° 9	12°19'	2°31'	11°12'	11°14'	28°41'	3°44	S 3
S 4	20 50 12	11°31'21	13°11'	6°42'	27°18'	25°28'	23°11'	1°26'	20°12'	12°19'	2°30'	11° 3	11°11'	28°47'	3°48	S 4
M 5	20 54 9	12°28'52	27°40'	8° 2	28°17'	26° 6	23°22'	1°34'	20°15'	12°20'	2°28'	10°56'	11° 8	28°54'	3°51	M 5
T 6	20 58 5	13°26'24	12°10'	9°21'	29°16'	26°44'	23°33'	1°42'	20°18'	12°20'	2°27'	10°51'	11° 5	29° 1	3°55	T 6
W 7	21 2 2	14°23'57	26°16'	10°37'	0°14'	27°22'	23°44'	1°49'	20°21'	12°20'	2°26'	10°49'	11° 2	29° 7	3°59	W 7
T 8	21 5 58	15°21'31	10°11'	11°51'	1°12'	28° 0	23°55'	1°57'	20°25'	12°21'	2°25'	10°49'	10°58'	29°14'	4° 2	T 8
F 9	21 9 55	16°19'05	24°30'	13° 3	2° 9	28°38'	24° 6	2° 5	20°28'	12°21'	2°24'	10°49'	10°55'	29°20'	4° 6	F 9
S 10	21 13 52	17°16'41	8°26'	14°13'	3° 6	29°16'	24°17'	2°12'	20°31'	12°22'	2°22'	10°48'	10°52'	29°27'	4°10	S 10
S 11	21 17 48	18°14'17	22°14'	15°21'	4° 3	29°54'	24°28'	2°20'	20°35'	12°22'	2°21'	10°45'	10°49'	29°34'	4°14	S 11
M12	21 21 45	19°11'55	5°35'	16°26'	4°59'	0°13'	24°38'	2°27'	20°38'	12°23'	2°20'	10°39'	10°46'	29°40'	4°19	M12
T 13	21 25 41	20° 9'33	19°24'	17°29'	5°54'	1°10'	24°49'	2°35'	20°41'	12°24'	2°19'	10°30'	10°43'	29°47'	4°23	T 13
W14	21 29 38	21° 7'13	2°43'	18°29'	6°49'	1°48'	24°59'	2°42'	20°45'	12°24'	2°17'	10°19'	10°39'	29°54'	4°27	W14
T 15	21 33 34	22° 4'53	15°49'	19°27'	7°44'	2°26'	25°10'	2°50'	20°48'	12°25'	2°16'	10° 7	10°36'	0° 0	4°32	T 15
F 16	21 37 31	23° 2'35	28°41'	20°21'	8°38'	3° 4	25°20'	2°57'	20°52'	12°26'	2°15'	9°55'	10°33'	0° 7	4°36	F 16
S 17	21 41 28	24° 0'19	11°17'	21°13'	9°31'	3°42'	25°30'	3° 5	20°55'	12°26'	2°14'	9°43'	10°30'	0°14'	4°41	S 17
S 18	21 45 24	24°58'03	23°39'	22° 2	10°24'	4°20'	25°40'	3°12'	20°58'	12°27'	2°12'	9°34'	10°27'	0°20'	4°46	S 18
M19	21 49 21	25°55'50	5°47'	22°47'	11°17'	4°58'	25°50'	3°20'	21° 2	12°28'	2°11'	9°27'	10°24'	0°27'	4°50	M19
T 20	21 53 17	26°53'37	17°45'	23°29'	12° 8	5°37'	26° 0	3°27'	21° 5	12°29'	2°10'	9°22'	10°20'	0°34'	4°55	T 20
W21	21 57 14	27°51'27	29°35'	24° 7	12°59'	6°15'	26°10'	3°34'	21° 9	12°30'	2° 8	9°20'	10°17'	0°40'	5° 0	W21
T 22	22 1 10	28°49'18	11°23'	24°41'	13°50'	6°53'	26°19'	3°42'	21°13'	12°30'	2° 7	9°D20	10°14'	0°47'	5° 5	T 22
F 23	22 5 7	29°47'11	23°12'	25°10'	14°40'	7°31'	26°29'	3°49'	21°16'	12°31'	2° 6	9°20'	10°11'	0°54'	5°10	F 23
S 24	22 9 3	0°14'50	5°11'	25°36'	15°29'	8° 9	26°38'	3°56'	21°20'	12°32'	2° 5	9°R20	10° 8	1° 0	5°15	S 24
S 25	22 13 0	1°43'03	17°20'	25°56'	16°17'	8°48'	26°47'	4° 3	21°23'	12°33'	2° 3	9°19'	10° 4	1° 7	5°21	S 25
M26	22 16 56	2°41'01	29°48'	26°12'	17° 4	9°26'	26°56'	4°10'	21°27'	12°34'	2° 2	9°16'	10° 1	1°13'	5°26	M26
T 27	22 20 53	3°39'02	12°39'	26°22'	17°51'	10° 4	27° 5	4°18'	21°31'	12°35'	2° 1	9°10'	9°58'	1°20'	5°32	T 27
W28	22 24 50	4°37'04	25°54'	26°R27	18°37'	10°42'	27°14'	4°25'	21°34'	12°36'	2° 0	9° 3	9°55'	1°27'	5°37	W28
T 29	22 28 46	5°35'08	9°43'	26°26'	19°22'	11°21'	27°23'	4°32'	21°38'	12°38'	1°58'	8°53'	9°52'	1°33'	5°43	T 29
F 30	22 32 43	6°33'14	23°40'	26°19'	20° 6	11°59'	27°32'	4°39'	21°42'	12°39'	1°57'	8°43'	9°49'	1°40'	5°48	F 30
S 31	22 36 39	7°13'21	8°11'	26°11'	20°50'	12°13'	27°11'	4°46'	21°45'	12°M40	1°56'	8°B34	9°B45	1°B47	5°M54	S 31

Delta T = 18.79 sec

Greg. Calendar

# ASTRODIENST EPHEMERIS for the year 1799

## geocentric

SEPTEMBER 1799

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 40 36	8 <sup>h</sup> 29'30"	22 <sup>h</sup> 43'	25°R47	21 <sup>h</sup> 32'	13 <sup>h</sup> 16'	27 <sup>h</sup> 49'	4 <sup>h</sup> 53'	21 <sup>h</sup> 49'	12 <sup>h</sup> 41'	1°R54	8°R26	9 <sup>h</sup> 42'	1 <sup>h</sup> 53'	6 <sup>h</sup> 0'	S 1
M 2	22 44 32	9°27'41"	7 <sup>h</sup> 27'	25 <sup>h</sup> 21'	22°13'	13°54'	27°57'	5°0'	21°53'	12°42'	1 <sup>h</sup> 53'	8°R20	9°39'	2°0'	6°6'	M 2
T 3	22 48 29	10°25'53"	22°9'	24°49'	22°54'	14°32'	28°5'	5°6'	21°56'	12°43'	1°52'	8°17'	9°36'	2°7'	6°12'	T 3
W 4	22 52 25	11°24'07"	6 <sup>h</sup> 44'	24°11'	23°33'	15°11'	28°13'	5°13'	22°0'	12°45'	1°51'	8°D15	9°33'	2°13'	6°18'	W 4
T 5	22 56 22	12°22'23"	21°7'	23°27'	24°11'	15°49'	28°21'	5°20'	22°4'	12°46'	1°49'	8°16'	9°30'	2°20'	6°24'	T 5
F 6	23 0 19	13°20'40"	5 <sup>h</sup> 16'	22°38'	24°48'	16°28'	28°29'	5°27'	22°8'	12°47'	1°48'	8°17'	9°26'	2°27'	6°30'	F 6
S 7	23 4 15	14°18'58"	19°9'	21°45'	25°24'	17°6'	28°36'	5°33'	22°11'	12°49'	1°47'	8°R17	9°23'	2°33'	6°36'	S 7
S 8	23 8 12	15°17'18"	2 <sup>h</sup> 38'	20°47'	25°58'	17°45'	28°44'	5°40'	22°15'	12°50'	1°46'	8°15'	9°20'	2°40'	6°42'	S 8
M 9	23 12 8	16°15'40"	16°12'	19°47'	26°31'	18°23'	28°51'	5°46'	22°19'	12°51'	1°44'	8°12'	9°17'	2°47'	6°49'	M 9
T 10	23 16 5	17°14'03"	29°22'	18°46'	27°3'	19°2'	28°58'	5°53'	22°23'	12°53'	1°43'	8°6'	9°14'	2°53'	6°55'	T 10
W11	23 20 1	18°12'27"	12 <sup>h</sup> 20'	17°45'	27°34'	19°40'	29°5'	5°59'	22°26'	12°54'	1°42'	7°58'	9°10'	3°0'	7°2'	W11
T 12	23 23 58	19°10'54"	25°5'	16°44'	28°2'	20°19'	29°12'	6°6'	22°30'	12°56'	1°41'	7°50'	9°7'	3°6'	7°8'	T 12
F 13	23 27 54	20°9'22"	7 <sup>h</sup> 38'	15°47'	28°30'	20°57'	29°19'	6°12'	22°34'	12°57'	1°40'	7°41'	9°4'	3°13'	7°15'	F 13
S 14	23 31 51	21°7'52"	19°59'	14°54'	28°55'	21°36'	29°25'	6°18'	22°38'	12°59'	1°38'	7°33'	9°1'	3°20'	7°21'	S 14
S 15	23 35 48	22°6'23"	2 <sup>h</sup> 9'	14°7'	29°20'	22°15'	29°32'	6°25'	22°42'	13°0'	1°37'	7°26'	8°58'	3°26'	7°28'	S 15
M16	23 39 44	23°4'57"	14°9'	13°26'	29°42'	22°53'	29°38'	6°31'	22°45'	13°2'	1°36'	7°22'	8°55'	3°33'	7°35'	M16
T 17	23 43 41	24°3'33"	26°2'	12°53'	0 <sup>h</sup> 2'	23°32'	29°44'	6°37'	22°49'	13°4'	1°35'	7°19'	8°51'	3°40'	7°42'	T 17
W18	23 47 37	25°2'11"	7 <sup>h</sup> 30'	12°29'	0°21'	24°10'	29°50'	6°43'	22°53'	13°5'	1°34'	7°D18	8°48'	3°46'	7°49'	W18
T 19	23 51 34	26°0'51"	19°36'	12°15'	0°38'	24°49'	29°56'	6°49'	22°57'	13°7'	1°32'	7°19'	8°45'	3°53'	7°56'	T 19
F 20	23 55 30	26°59'33"	1 <sup>h</sup> 25'	12°D10	0°53'	25°28'	0 <sup>h</sup> 1'	6°55'	23°0'	13°9'	1°31'	7°20'	8°42'	4°0'	8°3'	F 20
S 21	23 59 27	27°58'17"	13°22'	12°15'	1°6'	26°7'	0°7'	7°1'	23°4'	13°10'	1°30'	7°22'	8°39'	4°6'	8°10'	S 21
S 22	0 3 23	28°57'04"	25°31'	12°30'	1°17'	26°45'	0°12'	7°7'	23°8'	13°12'	1°29'	7°R23	8°35'	4°13'	8°17'	S 22
M23	0 7 20	29°55'53"	7 <sup>h</sup> 56'	12°54'	1°26'	27°24'	0°17'	7°12'	23°12'	13°14'	1°28'	7°23'	8°32'	4°20'	8°24'	M23
T 24	0 11 17	0 <sup>h</sup> 54'45"	20°44'	13°28'	1°32'	28°3'	0°22'	7°18'	23°16'	13°15'	1°27'	7°21'	8°29'	4°26'	8°31'	T 24
W25	0 15 13	1°53'38"	3 <sup>h</sup> 58'	14°11'	1°36'	28°42'	0°27'	7°23'	23°19'	13°17'	1°26'	7°18'	8°26'	4°33'	8°38'	W25
T 26	0 19 10	2°52'34"	17°39'	15°3'	1°R39	29°21'	0°31'	7°29'	23°23'	13°19'	1°25'	7°13'	8°23'	4°39'	8°46'	T 26
F 27	0 23 6	3°51'32"	1 <sup>h</sup> 48'	16°2'	1°38'	29°59'	0°36'	7°34'	23°27'	13°21'	1°24'	7°8'	8°20'	4°46'	8°53'	F 27
S 28	0 27 3	4°50'32"	16°21'	17°8'	1°36'	0 <sup>h</sup> 39'	0°40'	7°40'	23°31'	13°23'	1°23'	7°3'	8°16'	4°53'	9°0'	S 28
S 29	0 30 59	5°49'35"	1 <sup>h</sup> 12'	18°20'	1°31'	1°17'	0°44'	7°45'	23°34'	13°25'	1°22'	6°59'	8°13'	4°59'	9°8'	S 29
M30	0 34 56	6°48'39"	16 <sup>h</sup> 15'	19°39'	1 <sup>h</sup> 24'	1°56'	0 <sup>h</sup> 48'	7°50'	23°38'	13°26'	1°21'	6°56'	8°10'	5°8'	9°15'	M30

Delta T = 18.75 sec

Greg. Calendar

OCTOBER 1799

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	0 38 52	7 <sup>h</sup> 47'45"	1 <sup>h</sup> 18'	21 <sup>h</sup> 2'	1°R14	2 <sup>h</sup> 35'	0 <sup>h</sup> 52'	7°56'	23°42'	13°28'	1°R20	6°D55	8°8'	5°13'	9°M23	T 1
W 2	0 42 49	8°46'54"	16°15'	22°29'	1 <sup>h</sup> 2'	3°14'	0°55'	8°1'	23°45'	13°30'	1°R19	6°55'	8°4'	5°19'	9°30'	W 2
T 3	0 46 46	9°46'04"	0 <sup>h</sup> 58'	24°0'	0°47'	3°53'	0°58'	8°6'	23°49'	13°32'	1°18'	6°56'	8°1'	5°26'	9°38'	T 3
F 4	0 50 42	10°45'16"	15°21'	25°34'	0°30'	4°32'	1°2'	8°10'	23°53'	13°34'	1°17'	6°58'	7°57'	5°33'	9°45'	F 4
S 5	0 54 39	11°44'30"	29°23'	27°11'	0°11'	5°12'	1°5'	8°15'	23°56'	13°36'	1°16'	6°59'	7°54'	5°39'	9°53'	S 5
S 6	0 58 35	12°43'46"	13 <sup>h</sup> 3'	28°50'	29°50'	5°51'	1°7'	8°20'	24°0'	13°38'	1°15'	6°R59	7°51'	5°46'	10°1'	S 6
M 7	1 2 32	13°43'03"	26°22'	0 <sup>h</sup> 30'	29°26'	6°30'	1°10'	8°25'	24°4'	13°40'	1°14'	6°59'	7°48'	5°53'	10°8'	M 7
T 8	1 6 28	14°42'22"	9°22'	2°12'	29°1'	7°9'	1°12'	8°29'	24°7'	13°42'	1°13'	6°57'	7°45'	5°59'	10°16'	T 8
W 9	1 10 25	15°41'43"	22°5'	3°55'	28°33'	7°48'	1°14'	8°34'	24°11'	13°44'	1°12'	6°54'	7°41'	6°6'	10°24'	W 9
T 10	1 14 21	16°41'06"	4 <sup>h</sup> 34'	5°38'	28°4'	8°27'	1°16'	8°38'	24°14'	13°46'	1°12'	6°51'	7°38'	6°12'	10°32'	T 10
F 11	1 18 18	17°40'30"	16°50'	7°22'	27°33'	9°6'	1°18'	8°43'	24°18'	13°48'	1°11'	6°48'	7°35'	6°19'	10°40'	F 11
S 12	1 22 15	18°39'56"	28°57'	9°6'	27°0'	9°46'	1°20'	8°47'	24°22'	13°50'	1°10'	6°45'	7°32'	6°26'	10°48'	S 12
S 13	1 26 11	19°39'25"	10 <sup>h</sup> 56'	10°50'	26°26'	10°25'	1°21'	8°51'	24°25'	13°52'	1°9'	6°43'	7°29'	6°32'	10°55'	S 13
M14	1 30 8	20°38'55"	22°49'	12°34'	25°51'	11°4'	1°23'	8°55'	24°29'	13°54'	1°8'	6°42'	7°26'	6°39'	11°3'	M14
T 15	1 34 4	21°38'27"	4 <sup>h</sup> 38'	14°18'	25°16'	11°44'	1°24'	8°59'	24°32'	13°57'	1°8'	6°D41	7°22'	6°46'	11°11'	T 15
W16	1 38 1	22°38'02"	16°25'	16°1'	24°39'	12°23'	1°24'	9°3'	24°36'	13°59'	1°7'	6°41'	7°19'	6°52'	11°19'	W16
T 17	1 41 57	23°37'38"	28°13'	17°44'	24°3'	13°2'	1°25'	9°7'	24°39'	14°1'	1°6'	6°42'	7°16'	6°59'	11°27'	T 17
F 18	1 45 54	24°37'17"	10 <sup>h</sup> 5'	19°27'	23°26'	13°42'	1°25'	9°10'	24°42'	14°3'	1°6'	6°43'	7°13'	7°6'	11°35'	F 18
S 19	1 49 50	25°36'58"	22°4'	21°10'	22°49'	14°21'	1°26'	9°14'	24°46'	14°5'	1°5'	6°44'	7°10'	7°12'	11°43'	S 19
S 20	1 53 47	26°36'41"	4 <sup>h</sup> 13'	22°52'	22°13'	15°1'	1°R26	9°18'	24°49'	14°7'	1°4'	6°45'	7°7'	7°19'	11°51'	S 20
M21	1 57 44	27°36'27"	16°38'	24°33'	21°38'	15°40'	1°26'	9°21'	24°53'	14°9'	1°4'	6°46'	7°3'	7°26'	12°0'	M21
T 22	2 1 40	28°36'15"	29°21'	26°14'	21°3'	16°20'	1°25'	9°24'	24°56'	14°12'	1°3'	6°R46	7°0'	7°32'	12°8'	T 22
W23	2 5 37	29°36'05"	12 <sup>h</sup> 28'	27°54'	20°29'	16°59'	1°25'	9°28'	24°59'	14°14'	1°3'	6°46'	6°57'	7°39'	12°16'	W23
T 24	2 9 33	0 <sup>h</sup> 35'57"	26°0'	29°34'	19°57'	17°39'	1°24'	9°31'	25°2'	14°16'	1°2'	6°46'	6°54'	7°46'	12°24'	T 24
F 25	2 13 30	1°35'51"	10 <sup>h</sup> 0'	1 <sup>h</sup> 14'	19°26'	18°18'	1°23'	9°34'	25°6'	14°18'	1°1'	6°45'	6°51'	7°52'	12°32'	F 25
S 26	2 17 26	2°35'48"	24°26'	2°52'	18°57'	18°58'	1°22'	9°37'	25°9'	14°20'	1°1'	6°44'	6°47'	7°59'	12°40'	S 26
S 27	2 21 23	3°35'47"	9 <sup>h</sup> 15'	4°31'	18°30'	19°38'	1°20'	9°39'	25°12'	14°23'	1°1'	6°44'	6°44'	8°5'	12°48'	S 27
M28	2 25 19	4°35'47"	24°20'	6°8'	18°5'	20°17'	1°19'	9°42'	25°15'	14°25'	1°0'	6°44'	6°41'	8°12'	12°57'	M28
T 29	2 29 16	5°35'50"	9 <sup>h</sup> 33'	7°46'	17°42'	20°57'	1°17'	9°45'	25°18'	14°27'	1°0'	6°D44	6°38'	8°19'	13°5'	T 29
W30	2 33 12	6°35'55"	24°44'	9°23'	17°21'	21°37'	1°15'	9°47'	25°21'	14°29'	0°59'	6°R44	6°35'	8°25'	13°13'	W30
T 31	2 37 9	7 <sup>h</sup> 36'01"	9 <sup>h</sup> 44'	10 <sup>h</sup> 59'	17 <sup>h</sup> 2'	22 <sup>h</sup> 17'	1 <sup>h</sup> 13'	9°50'	25°24'	14°32'	0°59'	6°R44	6°32'	8°32'	13°21'	T 31

Delta T = 18.71 sec

Greg. Calendar

## ASTRODIENST EPHEMERIS for the year 1799

geocentric

NOVEMBER 1799

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	2 41 6	8♉36°10	24♊25	12♉35	16°R46	22♉56	1°R10	9♉52	25♊27	14♉34	0°R59	6°R44	6♉28	8♉39	13♉29	F 1
S 2	2 45 2	9°36'20	8♉41	14°11	16♉32	23°36	1♉8	9°54	25°30	14°36	0°58	6♉43	6°25	8°45	13°38	S 2
S 3	2 48 59	10°36'31	22°31	15°46	16°20	24°16	1° 5	9°56	25°33	14°38	0°58	6°43	6°22	8°52	13°46	S 3
M 4	2 52 55	11°36'44	5♉55	17°20	16°11	24°56	1° 2	9°58	25°36	14°40	0°58	6°D43	6°19	8°59	13°54	M 4
T 5	2 56 52	12°36'58	18°54	18°55	16° 5	25°36	0°59	10° 0	25°39	14°43	0°57	6°43	6°16	9° 5	14° 2	T 5
W 6	3 0 48	13°37'14	1♉32	20°29	16° 1	26°16	0°55	10° 2	25°42	14°45	0°57	6°43	6°13	9°12	14°11	W 6
T 7	3 4 45	14°37'31	13°52	22° 2	15°D59	26°56	0°52	10° 4	25°45	14°47	0°57	6°44	6° 9	9°19	14°19	T 7
F 8	3 8 42	15°37'50	25°59	23°36	16° 0	27°36	0°48	10° 5	25°48	14°49	0°57	6°45	6° 6	9°25	14°27	F 8
S 9	3 12 38	16°38'10	7♉57	25° 9	16° 3	28°16	0°44	10° 7	25°50	14°52	0°57	6°46	6° 3	9°32	14°35	S 9
S 10	3 16 35	17°38'32	19°48	26°41	16° 8	28°56	0°40	10° 8	25°53	14°54	0°56	6°47	6° 0	9°38	14°43	S 10
M 11	3 20 31	18°38'55	1♉36	28°14	16°16	29°36	0°36	10° 9	25°56	14°56	0°56	6°R47	5°57	9°45	14°52	M 11
T 12	3 24 28	19°39'20	13°24	29°46	16°26	0♉16	0°31	10°10	25°58	14°58	0°56	6°47	5°53	9°52	15° 0	T 12
W 13	3 28 24	20°39'46	25°13	1♉18	16°38	0°56	0°27	10°11	26° 1	15° 1	0°56	6°46	5°50	9°58	15° 8	W 13
T 14	3 32 21	21°40'15	7♉6	2°49	16°53	1°36	0°22	10°12	26° 4	15° 3	0°D56	6°45	5°47	10° 5	15°16	T 14
F 15	3 36 17	22°40'44	19° 6	4°21	17° 9	2°16	0°17	10°13	26° 6	15° 5	0°56	6°43	5°44	10°12	15°24	F 15
S 16	3 40 14	23°41'16	1♉12	5°52	17°28	2°57	0°12	10°14	26° 8	15° 7	0°56	6°40	5°41	10°18	15°33	S 16
S 17	3 44 11	24°41'49	13°30	7°22	17°48	3°37	0° 6	10°14	26°11	15°10	0°56	6°37	5°38	10°25	15°41	S 17
M 18	3 48 7	25°42'24	25°59	8°53	18°11	4°17	0° 1	10°15	26°13	15°12	0°56	6°35	5°34	10°32	15°49	M 18
T 19	3 52 4	26°43'01	8♉44	10°23	18°35	4°57	29♉55	10°15	26°16	15°14	0°57	6°33	5°31	10°38	15°57	T 19
W 20	3 56 0	27°43'39	21°47	11°53	19° 1	5°38	29°50	10°15	26°18	15°16	0°57	6°D32	5°28	10°45	16° 5	W 20
T 21	3 59 57	28°44'19	5♉11	13°22	19°29	6°18	29°44	10°R15	26°20	15°19	0°57	6°32	5°25	10°52	16°13	T 21
F 22	4 3 53	29°45'01	18°57	14°51	19°59	6°59	29°38	10°15	26°22	15°21	0°57	6°33	5°22	10°58	16°21	F 22
S 23	4 7 50	0♉45'44	3♉6	16°20	20°30	7°39	29°31	10°15	26°24	15°23	0°57	6°34	5°18	11° 5	16°29	S 23
S 24	4 11 46	1°46'29	17°38	17°48	21° 2	8°19	29°25	10°15	26°27	15°25	0°57	6°35	5°15	11°12	16°37	S 24
M 25	4 15 43	2°47'15	2♉29	19°16	21°36	9° 0	29°18	10°14	26°29	15°27	0°58	6°R36	5°12	11°18	16°45	M 25
T 26	4 19 40	3°48'03	17°32	20°43	22°12	9°41	29°12	10°14	26°31	15°29	0°58	6°36	5° 9	11°25	16°53	T 26
W 27	4 23 36	4°48'53	2♉41	22°10	22°49	10°21	29° 5	10°13	26°33	15°32	0°58	6°34	5° 6	11°31	17° 1	W 27
T 28	4 27 33	5°49'44	17°44	23°36	23°27	11° 2	28°58	10°13	26°34	15°34	0°59	6°31	5° 3	11°38	17° 9	T 28
F 29	4 31 29	6°50'36	2♉33	25° 1	24° 6	11°42	28°51	10°12	26°36	15°36	0°59	6°27	4°59	11°45	17°17	F 29
S 30	4 35 26	7♉51'28	17♉1	26♉25	24♉47	12♉23	28♉44	10♉11	26♉38	15♉38	0♉59	6♉22	4♉56	11♉51	17♉25	S 30

Delta T = 18.68 sec

Greg. Calendar

DECEMBER 1799

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	4 39 22	8♉52'22	1♉2	27♉47	25♉29	13♉4	28°R37	10°R10	26♉40	15♉40	1♉0	6°R17	4♉53	11♉58	17♉33	S 1
M 2	4 43 19	9°53'17	14°35	29° 9	26°12	13°44	28♉29	10♉9	26°42	15°42	1° 0	6♉13	4°50	12° 5	17°41	M 2
T 3	4 47 15	10°54'12	27°40	0♉29	26°56	14°25	28°22	10° 8	26°43	15°44	1° 1	6°11	4°47	12°11	17°49	T 3
W 4	4 51 12	11°55'08	10♉21	1°47	27°41	15° 6	28°14	10° 6	26°45	15°46	1° 1	6°D10	4°44	12°18	17°56	W 4
T 5	4 55 9	12°56'05	22°40	3° 3	28°27	15°47	28° 7	10° 5	26°46	15°48	1° 2	6°10	4°40	12°25	18° 4	T 5
F 6	4 59 5	13°57'02	4♉45	4°16	29°13	16°28	27°59	10° 3	26°48	15°51	1° 2	6°12	4°37	12°31	18°12	F 6
S 7	5 3 2	14°58'00	16°38	5°27	0♉1	17° 8	27°51	10° 2	26°49	15°53	1° 3	6°13	4°34	12°38	18°20	S 7
S 8	5 6 58	15°58'59	28°26	6°34	0°50	17°49	27°44	10° 0	26°51	15°55	1° 3	6°15	4°31	12°45	18°27	S 8
M 9	5 10 55	16°59'58	10♉12	7°38	1°40	18°30	27°36	9°58	26°52	15°57	1° 4	6°R15	4°28	12°51	18°35	M 9
T 10	5 14 51	18° 0'59	22° 1	8°37	2°30	19°11	27°28	9°56	26°53	15°59	1° 5	6°14	4°24	12°58	18°42	T 10
W 11	5 18 48	19° 1'59	3♉55	9°31	3°21	19°52	27°20	9°54	26°55	16° 1	1° 5	6°10	4°21	13° 4	18°50	W 11
T 12	5 22 44	20° 3'01	15°57	10°20	4°13	20°33	27°12	9°52	26°56	16° 2	1° 6	6° 4	4°18	13°11	18°57	T 12
F 13	5 26 41	21° 4'03	28° 8	11° 2	5° 6	21°14	27° 4	9°49	26°57	16° 4	1° 7	5°57	4°15	13°18	19° 5	F 13
S 14	5 30 38	22° 5'06	10♉30	11°37	6° 0	21°55	26°56	9°47	26°58	16° 6	1° 8	5°48	4°12	13°24	19°12	S 14
S 15	5 34 34	23° 6'10	23° 2	12° 3	6°54	22°36	26°47	9°44	26°59	16° 8	1° 8	5°39	4° 9	13°31	19°19	S 15
M 16	5 38 31	24° 7'15	5♉46	12°21	7°49	23°17	26°39	9°42	27° 0	16°10	1° 9	5°30	4° 5	13°38	19°27	M 16
T 17	5 42 27	25° 8'20	18°43	12°R28	8°44	23°59	26°31	9°39	27° 1	16°12	1°10	5°23	4° 2	13°44	19°34	T 17
W 18	5 46 24	26° 9'26	1♉52	12°25	9°40	24°40	26°23	9°36	27° 2	16°14	1°11	5°18	3°59	13°51	19°41	W 18
T 19	5 50 20	27°10'32	15°16	12°10	10°37	25°21	26°15	9°33	27° 2	16°16	1°12	5°15	3°56	13°58	19°48	T 19
F 20	5 54 17	28°11'40	28°55	11°44	11°34	26° 2	26° 7	9°30	27° 3	16°17	1°12	5°D14	3°53	14° 4	19°55	F 20
S 21	5 58 13	29°12'48	12♉50	11° 6	12°32	26°44	25°59	9°27	27° 4	16°19	1°13	5°15	3°50	14°11	20° 2	S 21
S 22	6 2 10	0♉13'57	27° 3	10°17	13°30	27°25	25°50	9°24	27° 4	16°21	1°14	5°16	3°46	14°18	20° 9	S 22
M 23	6 6 7	1°15'06	11♉31	9°17	14°29	28° 6	25°42	9°21	27° 5	16°23	1°15	5°R16	3°43	14°24	20°16	M 23
T 24	6 10 3	2°16'16	26°11	8° 8	15°28	28°48	25°34	9°18	27° 6	16°24	1°16	5°14	3°40	14°31	20°23	T 24
W 25	6 14 0	3°17'27	10♉59	6°53	16°28	29°29	25°26	9°14	27° 6	16°26	1°17	5°10	3°37	14°38	20°30	W 25
T 26	6 17 56	4°18'38	25°47	5°33	17°28	0♉11	25°18	9°11	27° 6	16°28	1°18	5° 3	3°34	14°44	20°37	T 26
F 27	6 21 53	5°19'50	10♉28	4°11	18°29	0°52	25°10	9° 7	27° 7	16°29	1°19	4°54	3°30	14°51	20°43	F 27
S 28	6 25 49	6°21'01	24°53	2°50	19°30	1°34	25° 2	9° 3	27° 7	16°31	1°20	4°43	3°27	14°58	20°50	S 28
S 29	6 29 46	7°22'13	8♉56	1°32	20°31	2°15	24°55	9° 0	27° 7	16°33	1°21	4°33	3°24	15° 4	20°56	S 29
M 30	6 33 43	8°23'24	22°33	0°20	21°33	2°57	24°47	8°56	27° 7	16°34	1°22	4°23	3°21	15°11	21° 3	M 30
T 31	6 37 39	9♉24'35	5♉43	29♉16	22♉35	3♉39	24♉39	8♉52	27♉8	16♉36	1♉24	4♉16	3♉18	15♉17	21♉9	T 31

Delta T = 18.64 sec

Greg. Calendar