



Astrodienst Ephemeris Tables for the year 2042

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 2042
geocentric

JANUARY 2042

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	6 43 8	10°34'14"	48°27'	29°35'6"	10°33'4"	27°R34	24°M12	4°M58	11°R55	5°R21	26°55'1	3°R52	28°42'	22°M27	2°R50	W 1
T 2	6 47 4	11°42'22"	18°10'	18°5'	11°49'	27°R30	24°23'	5°2'	11°R52	5°R21	26°52'	3°R51	2°39'	22°34'	2°R46	T 2
F 3	6 51 1	12°43'30"	1°II43	2°9'	13°5'	27°26'	24°34'	5°6'	11°50'	5°21'	26°53'	3°48'	2°36'	22°40'	2°42'	F 3
S 4	6 54 57	13°44'38"	15°7'	3°7'	14°20'	27°21'	24°45'	5°10'	11°48'	5°20'	26°55'	3°42'	2°33'	22°47'	2°38'	S 4
S 5	6 58 54	14°45'46"	28°21'	3°59'	15°36'	27°16'	24°56'	5°14'	11°46'	5°20'	26°56'	3°33'	2°30'	22°54'	2°34'	S 5
M 6	7 2 50	15°46'54"	11°23'	4°44'	16°51'	27°9'	25°6'	5°18'	11°44'	5°19'	26°57'	3°22'	2°26'	23°0'	2°30'	M 6
T 7	7 6 47	16°48'02"	24°12'	5°21'	18°7'	27°2'	25°17'	5°22'	11°41'	5°19'	26°59'	3°9'	2°23'	23°7'	2°26'	T 7
W 8	7 10 44	17°49'10"	6°II47	5°48'	19°22'	26°53'	25°27'	5°26'	11°39'	5°19'	27°0'	2°55'	2°20'	23°14'	2°22'	W 8
T 9	7 14 40	18°50'17"	19°9'	6°6'	20°38'	26°44'	25°37'	5°30'	11°37'	5°19'	27°2'	2°42'	2°17'	23°20'	2°18'	T 9
F 10	7 18 37	19°51'25"	1°M18	6°R13	21°53'	26°35'	25°47'	5°33'	11°34'	5°18'	27°3'	2°31'	2°14'	23°27'	2°13'	F 10
S 11	7 22 33	20°52'32"	13°16'	6°8'	23°9'	26°24'	25°57'	5°37'	11°32'	5°18'	27°4'	2°23'	2°11'	23°34'	2°9'	S 11
S 12	7 26 30	21°53'39"	25°7'	5°52'	24°24'	26°12'	26°7'	5°40'	11°29'	5°18'	27°6'	2°17'	2°7'	23°40'	2°5'	S 12
M13	7 30 26	22°54'46"	6°II55	5°24'	25°40'	26°0'	26°17'	5°43'	11°27'	5°18'	27°7'	2°14'	2°4'	23°47'	2°1'	M13
T 14	7 34 23	23°55'53"	18°45'	4°45'	26°55'	25°47'	26°27'	5°46'	11°25'	5°18'	27°9'	2°14'	2°1'	23°54'	1°56'	T 14
W15	7 38 19	24°57'00"	0°M43	3°54'	28°10'	25°33'	26°37'	5°49'	11°22'	5°D18	27°10'	2°13'	1°58'	24°0'	1°52'	W15
T 16	7 42 16	25°58'07"	12°53'	2°54'	29°26'	25°19'	26°46'	5°53'	11°20'	5°18'	27°12'	2°13'	1°55'	24°7'	1°48'	T 16
F 17	7 46 13	26°59'14"	25°22'	1°47'	0°II41	25°3'	26°56'	5°55'	11°17'	5°18'	27°13'	2°12'	1°51'	24°14'	1°43'	F 17
S 18	7 50 9	28°0'20"	8°II13	0°33'	1°57'	24°47'	27°5'	5°58'	11°15'	5°18'	27°15'	2°8'	1°48'	24°20'	1°39'	S 18
S 19	7 54 6	29°1'27"	21°31'	29°II16	3°12'	24°31'	27°15'	6°1'	11°12'	5°18'	27°16'	2°1'	1°45'	24°27'	1°35'	S 19
M20	7 58 2	0°33'	5°II16	27°58'	4°28'	24°13'	27°24'	6°4'	11°10'	5°18'	27°18'	1°51'	1°42'	24°34'	1°30'	M20
T 21	8 1 59	1°3'38"	19°26'	26°41'	5°43'	23°55'	27°33'	6°6'	11°7'	5°19'	27°20'	1°40'	1°39'	24°40'	1°26'	T 21
W22	8 5 55	2°4'43"	3°II57	25°28'	6°58'	23°36'	27°42'	6°9'	11°4'	5°19'	27°21'	1°27'	1°36'	24°47'	1°21'	W22
T 23	8 9 52	3°5'47"	18°42'	24°20'	8°14'	23°17'	27°50'	6°11'	11°2'	5°19'	27°23'	1°15'	1°32'	24°54'	1°17'	T 23
F 24	8 13 49	4°6'50"	3°II31	23°19'	9°29'	22°57'	27°59'	6°13'	10°59'	5°19'	27°24'	1°5'	1°29'	25°0'	1°13'	F 24
S 25	8 17 45	5°7'52"	18°18'	22°25'	10°45'	22°36'	28°8'	6°15'	10°57'	5°20'	27°26'	0°57'	1°26'	25°7'	1°8'	S 25
S 26	8 21 42	6°8'54"	2°II54	21°41'	12°0'	22°15'	28°16'	6°17'	10°54'	5°20'	27°28'	0°52'	1°23'	25°14'	1°4'	S 26
M27	8 25 38	7°9'54"	17°15'	21°5'	13°15'	21°54'	28°24'	6°19'	10°51'	5°20'	27°29'	0°50'	1°20'	25°21'	0°59'	M27
T 28	8 29 35	8°10'53"	1°II20	20°38'	14°31'	21°32'	28°33'	6°21'	10°49'	5°21'	27°31'	0°50'	1°17'	25°27'	0°55'	T 28
W29	8 33 31	9°11'50"	15°7'	20°21'	15°46'	21°9'	28°41'	6°23'	10°46'	5°21'	27°32'	0°50'	1°13'	25°34'	0°51'	W29
T 30	8 37 28	10°12'47"	28°38'	20°11'	17°1'	20°47'	28°48'	6°24'	10°43'	5°22'	27°34'	0°49'	1°10'	25°41'	0°46'	T 30
F 31	8 41 24	11°13'43"	11°II55	20°D10	18°II17	20°R24	28°M56	6°M26	10°R41	5°R22	27°R36	0°R46	1°R7	25°M47	0°R42	F 31

Delta T = 72.33 sec

FEBRUARY 2042

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	8 45 21	12°14'37"	24°II58	20°II17	19°II32	20°R0	29°M4	6°M27	10°R38	5°R23	27°R37	0°R39	1°R4	25°M54	0°R38	S 1
S 2	8 49 18	13°15'30"	7°II50	20°30'	20°47'	19°R37	29°11'	6°28'	10°R36	5°23'	27°39'	0°R30	1°1'	26°1'	0°R34	S 2
M 3	8 53 14	14°16'22"	20°32'	20°50'	22°2'	19°13'	29°19'	6°30'	10°33'	5°24'	27°41'	0°19'	0°57'	26°7'	0°29'	M 3
T 4	8 57 11	15°17'12"	3°II2	21°16'	23°18'	18°49'	29°26'	6°31'	10°30'	5°25'	27°43'	0°6'	0°54'	26°14'	0°25'	T 4
W 5	9 1 7	16°18'01"	15°23'	21°48'	24°33'	18°25'	29°33'	6°32'	10°28'	5°26'	27°44'	29°V52	0°51'	26°21'	0°21'	W 5
T 6	9 5 4	17°18'49"	27°34'	22°24'	25°48'	18°2'	29°40'	6°33'	10°25'	5°26'	27°46'	29°39'	0°48'	26°27'	0°17'	T 6
F 7	9 9 0	18°19'36"	9°M35	23°5'	27°3'	17°38'	29°47'	6°33'	10°23'	5°27'	27°48'	29°27'	0°45'	26°34'	0°13'	F 7
S 8	9 12 57	19°20'22"	21°30'	23°51'	28°18'	17°14'	29°54'	6°34'	10°20'	5°28'	27°49'	29°18'	0°42'	26°41'	0°9'	S 8
S 9	9 16 53	20°21'07"	3°II19	24°40'	29°34'	16°50'	0°II0	6°35'	10°17'	5°29'	27°51'	29°12'	0°38'	26°47'	0°5'	S 9
M10	9 20 50	21°21'50"	15°6'	25°32'	0°II49	16°26'	0°6'	6°35'	10°15'	5°30'	27°53'	29°9'	0°35'	26°54'	0°1'	M10
T 11	9 24 46	22°22'33"	26°55'	26°28'	2°4'	16°2'	0°13'	6°36'	10°12'	5°30'	27°54'	29°D8	0°32'	27°1'	29°II57	T 11
W12	9 28 43	23°23'14"	8°M51	27°27'	3°19'	15°39'	0°19'	6°36'	10°10'	5°31'	27°56'	29°8'	0°29'	27°7'	29°53'	W12
T 13	9 32 40	24°23'55"	20°59'	28°29'	4°34'	15°16'	0°25'	6°36'	10°7'	5°32'	27°58'	29°R9	0°26'	27°14'	29°45'	T 13
F 14	9 36 36	25°24'34"	3°II24	29°33'	5°49'	14°53'	0°30'	6°R36	10°5'	5°33'	28°0'	29°8'	0°23'	27°21'	29°45'	F 14
S 15	9 40 33	26°25'13"	16°11'	0°II39	7°4'	14°31'	0°36'	6°36'	10°2'	5°34'	28°1'	29°6'	0°19'	27°27'	29°41'	S 15
S 16	9 44 29	27°25'50"	29°25'	1°48'	8°19'	14°9'	0°41'	6°36'	10°0'	5°35'	28°3'	29°2'	0°16'	27°34'	29°38'	S 16
M17	9 48 26	28°26'26"	13°II9	2°58'	9°34'	13°47'	0°47'	6°35'	9°57'	5°36'	28°5'	28°56'	0°13'	27°41'	29°34'	M17
T 18	9 52 22	29°27'00"	27°22'	4°11'	10°49'	13°26'	0°52'	6°35'	9°55'	5°38'	28°7'	28°47'	0°10'	27°47'	29°31'	T 18
W19	9 56 19	0°II27'34"	12°II2	5°25'	12°4'	13°5'	0°57'	6°35'	9°52'	5°39'	28°8'	28°38'	0°7'	27°54'	29°27'	W19
T 20	10 0 16	1°28'06"	26°59'	6°41'	13°19'	12°45'	1°2'	6°34'	9°50'	5°40'	28°10'	28°28'	0°3'	28°1'	29°24'	T 20
F 21	10 4 12	2°28'36"	12°II7	7°58'	14°34'	12°26'	1°6'	6°33'	9°48'	5°41'	28°12'	28°20'	0°0'	28°7'	29°20'	F 21
S 22	10 8 9	3°29'04"	27°15'	9°17'	15°49'	12°7'	1°11'	6°33'	9°45'	5°42'	28°13'	28°14'	29°V57	28°14'	29°17'	S 22
S 23	10 12 5	4°29'31"	12°II16	10°38'	17°4'	11°48'	1°15'	6°32'	9°43'	5°44'	28°15'	28°11'	29°54'	28°21'	29°14'	S 23
M24	10 16 2	5°29'56"	26°56'	11°59'	18°19'	11°31'	1°19'	6°31'	9°41'	5°45'	28°17'	28°D10	29°51'	28°27'	29°11'	M24
T 25	10 19 58	6°30'19"	11°II16	13°22'	19°34'	11°14'	1°23'	6°30'	9°38'	5°46'	28°19'	28°10'	29°48'	28°34'	29°7'	T 25
W26	10 23 55	7°30'40"	25°13'	14°46'	20°49'	10°57'	1°27'	6°28'	9°36'	5°48'	28°20'	28°12'	29°44'	28°41'	29°4'	W26
T 27	10 27 51	8°31'00"	8°II47	16°12'	22°4'	10°42'	1°30'	6°27'	9°34'	5°49'	28°22'	28°R12	29°41'	28°47'	29°1'	T 27
F 28	10 31 48	9°II31'17"	22°II0	17°II39	23°II18	10°R27	1°II34	6°M26	9°R32	5°R50	28°R24	28°V11	29°V38	28°M54	28°II59	F 28

Delta T = 72.36 sec

ASTRODIENST EPHEMERIS for the year 2042

geocentric

MARCH 2042

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	10 35 45	10°31'32	4°54	19°36	24°33	10°R13	1°37	6°R24	9°R30	5°52	28°25	28°R 8	29°V35	29°V 1	28°R56	S 1
S 2	10 39 41	11°31'45	17°34	20°35	25°48	9°R59	1°40	6°R23	9°R27	5°53	28°27	28°V 3	29°32	29° 7	28°R53	S 2
M 3	10 43 38	12°31'57	29°59	22° 5	27° 3	9°47	1°43	6°21	9°25	5°55	28°29	27°56	29°29	29°14	28°50	M 3
T 4	10 47 34	13°32'06	12°16	23°37	28°17	9°35	1°46	6°19	9°23	5°56	28°30	27°48	29°25	29°21	28°48	T 4
W 5	10 51 31	14°32'13	24°22	25° 9	29°32	9°24	1°48	6°17	9°21	5°58	28°32	27°40	29°22	29°27	28°45	W 5
T 6	10 55 27	15°32'18	6°22	26°43	0°V47	9°14	1°50	6°15	9°19	5°59	28°34	27°32	29°19	29°34	28°43	T 6
F 7	10 59 24	16°32'21	18°17	28°17	2° 1	9° 4	1°53	6°13	9°17	6° 1	28°35	27°25	29°16	29°41	28°41	F 7
S 8	11 3 20	17°32'23	0°57	29°53	3°16	8°55	1°55	6°11	9°16	6° 3	28°37	27°19	29°13	29°47	28°39	S 8
S 9	11 7 17	18°32'23	11°55	1°30	4°30	8°47	1°56	6° 9	9°14	6° 4	28°39	27°16	29° 9	29°54	28°36	S 9
M10	11 11 13	19°32'20	23°43	3° 8	5°45	8°40	1°58	6° 6	9°12	6° 6	28°40	27°D15	29° 6	0°51	28°34	M10
T 11	11 15 10	20°32'17	5°35	4°47	6°59	8°34	1°59	6° 4	9°10	6° 8	28°42	27°15	29° 3	0° 7	28°32	T 11
W12	11 19 7	21°32'11	17°33	6°27	8°14	8°28	2° 1	6° 1	9° 8	6° 9	28°44	27°16	29° 0	0°14	28°31	W12
T 13	11 23 3	22°32'04	29°43	8° 8	9°28	8°24	2° 2	5°59	9° 7	6°11	28°45	27°18	28°57	0°21	28°29	T 13
F 14	11 27 0	23°31'55	12°17	9°51	10°43	8°20	2° 3	5°56	9° 5	6°13	28°47	27°20	28°54	0°27	28°27	F 14
S 15	11 30 56	24°31'45	24°51	11°34	11°57	8°16	2° 3	5°53	9° 3	6°15	28°48	27°R20	28°50	0°34	28°25	S 15
S 16	11 34 53	25°31'33	7°59	13°19	13°12	8°14	2° 4	5°51	9° 2	6°16	28°50	27°20	28°47	0°41	28°24	S 16
M17	11 38 49	26°31'19	21°34	15° 5	14°26	8°12	2° 4	5°48	9° 0	6°18	28°52	27°17	28°44	0°47	28°23	M17
T 18	11 42 46	27°31'03	5°38	16°53	15°40	8°11	2°R 4	5°45	8°59	6°20	28°53	27°14	28°41	0°54	28°21	T 18
W19	11 46 42	28°30'46	20° 8	18°41	16°54	8°D11	2° 4	5°41	8°57	6°22	28°55	27°10	28°38	1° 0	28°20	W19
T 20	11 50 39	29°30'27	5°31	20°31	18° 9	8°11	2° 4	5°38	8°56	6°24	28°56	27° 6	28°35	1° 7	28°19	T 20
F 21	11 54 36	0°V30'06	20°11	22°22	19°23	8°13	2° 3	5°35	8°54	6°26	28°58	27° 2	28°31	1°14	28°18	F 21
S 22	11 58 32	1°29'43	5°V26	24°14	20°37	8°15	2° 3	5°32	8°53	6°28	28°59	27° 0	28°28	1°20	28°17	S 22
S 23	12 2 29	2°29'18	20°36	26° 8	21°51	8°17	2° 2	5°28	8°52	6°30	29° 1	26°D59	28°25	1°27	28°16	S 23
M24	12 6 25	3°28'51	5°33	28° 2	23° 5	8°21	2° 1	5°25	8°51	6°32	29° 2	26°59	28°22	1°34	28°16	M24
T 25	12 10 22	4°28'21	20°10	29°58	24°19	8°25	2° 0	5°21	8°50	6°33	29° 4	27° 0	28°19	1°40	28°15	T 25
W26	12 14 18	5°27'50	4°11	1°V55	25°33	8°29	1°58	5°18	8°48	6°35	29° 5	27° 1	28°15	1°47	28°14	W26
T 27	12 18 15	6°27'16	18° 6	3°54	26°48	8°35	1°57	5°14	8°47	6°37	29° 7	27° 3	28°12	1°54	28°14	T 27
F 28	12 22 11	7°26'40	1°26	5°53	28° 1	8°41	1°55	5°10	8°46	6°39	29° 8	27°R 3	28° 9	2° 0	28°14	F 28
S 29	12 26 8	8°26'02	14°22	7°53	29°15	8°47	1°53	5° 7	8°45	6°42	29° 9	27° 3	28° 6	2° 7	28°13	S 29
S 30	12 30 5	9°25'21	26°58	9°55	0°R29	8°55	1°51	5° 3	8°45	6°44	29°11	27° 2	28° 3	2°14	28°13	S 30
M31	12 34 1	10°V24'38	9°R18	11°V57	1°R43	9°R 3	1°37	4°R59	8°R44	6°R46	29°12	27°V 1	28°V 0	2°20	28°D13	M31

Delta T = 72.38 sec

APRIL 2042

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 37 58	11°V23'53	21°R26	14°V 0	2°R57	9°R11	1°R46	4°R55	8°R43	6°R48	29°R14	26°R59	27°V56	2°R27	28°R13	T 1
W 2	12 41 54	12°23'05	3°R24	16° 3	4°11	9°20	1°37	4°R51	8°R42	6°50	29°15	26°V56	27°53	2°34	28°14	W 2
T 3	12 45 51	13°22'16	15°16	18° 7	5°24	9°30	1°41	4°47	8°41	6°52	29°16	26°54	27°50	2°40	28°14	T 3
F 4	12 49 47	14°21'24	27° 6	20°10	6°38	9°40	1°38	4°43	8°41	6°54	29°17	26°52	27°47	2°47	28°14	F 4
S 5	12 53 44	15°20'29	8°R54	22°14	7°52	9°51	1°34	4°39	8°40	6°56	29°19	26°51	27°44	2°54	28°15	S 5
S 6	12 57 40	16°19'33	20°44	24°18	9° 5	10° 3	1°31	4°34	8°40	6°58	29°20	26°51	27°40	3° 0	28°15	S 6
M 7	13 1 37	17°18'35	2°R37	26°20	10°19	10°15	1°27	4°30	8°39	7° 0	29°21	26°D51	27°37	3° 7	28°16	M 7
T 8	13 5 34	18°17'35	14°36	28°22	11°33	10°27	1°24	4°26	8°39	7° 3	29°23	26°51	27°34	3°14	28°17	T 8
W 9	13 9 30	19°16'33	26°43	0°R22	12°46	10°40	1°20	4°22	8°38	7° 5	29°24	26°52	27°31	3°20	28°18	W 9
T 10	13 13 27	20°15'29	9°R 1	2°20	13°59	10°53	1°16	4°17	8°38	7° 7	29°25	26°52	27°28	3°27	28°19	T 10
F 11	13 17 23	21°14'24	21°32	4°17	15°13	11° 7	1°12	4°13	8°38	7° 9	29°26	26°53	27°25	3°34	28°20	F 11
S 12	13 21 20	22°13'16	4°R19	6°11	16°26	11°22	1° 7	4° 8	8°37	7°11	29°27	26°54	27°21	3°40	28°21	S 12
S 13	13 25 16	23°12'08	17°26	8° 2	17°40	11°37	1° 3	4° 4	8°37	7°13	29°28	26°R54	27°18	3°47	28°22	S 13
M14	13 29 13	24°10'57	0°R55	9°50	18°53	11°52	0°58	4° 0	8°37	7°16	29°30	26°54	27°15	3°54	28°23	M14
T 15	13 33 9	25° 9'44	14°48	11°35	20° 6	12° 8	0°53	3°55	8°37	7°18	29°31	26°54	27°12	4° 0	28°25	T 15
W16	13 37 6	26° 8'30	29° 3	13°15	21°19	12°24	0°48	3°51	8°D37	7°20	29°32	26°54	27° 9	4° 7	28°26	W16
T 17	13 41 3	27° 7'14	13°R40	14°52	22°32	12°41	0°43	3°46	8°37	7°22	29°33	26°D53	27° 6	4°14	28°28	T 17
F 18	13 44 59	28° 5'57	28°33	16°25	23°46	12°58	0°38	3°41	8°37	7°25	29°34	26°54	27° 2	4°20	28°30	F 18
S 19	13 48 56	29° 4'37	13°V37	17°53	24°59	13°15	0°32	3°37	8°37	7°27	29°35	26°54	26°59	4°27	28°32	S 19
S 20	13 52 52	0°R 3'16	28°42	19°17	26°12	13°33	0°27	3°32	8°37	7°29	29°36	26°R54	26°56	4°34	28°34	S 20
M21	13 56 49	1° 1'53	13°R39	20°36	27°25	13°52	0°21	3°28	8°38	7°31	29°37	26°54	26°53	4°40	28°36	M21
T 22	14 0 45	2° 0'28	28°21	21°49	28°38	14°10	0°15	3°23	8°38	7°34	29°38	26°53	26°50	4°47	28°38	T 22
W23	14 4 42	2°59'01	12°R42	22°58	29°51	14°30	0° 9	3°19	8°38	7°36	29°39	26°53	26°46	4°54	28°40	W23
T 24	14 8 38	3°57'32	26°36	24° 2	1°II 3	14°49	0° 3	3°14	8°39	7°38	29°40	26°52	26°43	5° 0	28°42	T 24
F 25	14 12 35	4°56'01	10°R 4	25° 1	2°16	15° 9	29°R57	3°10	8°39	7°40	29°41	26°51	26°40	5° 7	28°45	F 25
S 26	14 16 32	5°54'27	23° 7	25°54	3°29	15°29	29°51	3° 5	8°40	7°43	29°41	26°50	26°37	5°13	28°47	S 26
S 27	14 20 28	6°52'52	5°R46	26°41	4°42	15°50	29°44	3° 0	8°40	7°45	29°42	26°D50	26°34	5°20	28°50	S 27
M28	14 24 25	7°51'14	18° 6	27°24	5°54	16°11	29°38	2°56	8°41	7°47	29°43	26°50	26°31	5°27	28°53	M28
T 29	14 28 21	8°49'34	0°R12	28° 1	7° 7	16°32	29°31	2°51	8°42	7°49	29°44	26°51	26°27	5°33	28°55	T 29
W30	14 32 18	9°47'52	12°R 7	28°R32	8°II20	16°R54	29°R24	2°R47	8°R42	7°R52	29°R45	26°V52	26°V24	5°R40	28°R58	W30

Delta T = 72.40 sec

ASTRODIENST EPHEMERIS for the year 2042

geocentric

MAY 2042

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	14 36 14	10°34'08"	23°57'	28°57'	9°32'	17°15'	29°18'	2°42'	8°43'	7°54'	29°45'	26°53'	26°21'	5°47'	29°01'	T 1
F 2	14 40 11	11°44'23"	5°44'	29°18'	10°45'	17°38'	29°11'	2°38'	8°44'	7°56'	29°46'	26°55'	26°18'	5°53'	29°04'	F 2
S 3	14 44 7	12°42'35"	17°34'	29°32'	11°57'	18°0'	29°4'	2°33'	8°45'	7°58'	29°47'	26°55'	26°15'	6°0'	29°08'	S 3
S 4	14 48 4	13°40'45"	29°28'	29°41'	13°9'	18°23'	28°57'	2°29'	8°46'	8°1'	29°48'	26°56'	26°12'	6°7'	29°11'	S 4
M 5	14 52 1	14°38'54"	11°29'	29°45'	14°22'	18°46'	28°50'	2°24'	8°47'	8°3'	29°48'	26°55'	26°8'	6°13'	29°14'	M 5
T 6	14 55 57	15°37'01"	23°40'	29°44'	15°34'	19°9'	28°42'	2°20'	8°48'	8°5'	29°49'	26°54'	26°5'	6°20'	29°17'	T 6
W 7	14 59 54	16°35'06"	6°1'	29°37'	16°46'	19°33'	28°35'	2°16'	8°49'	8°7'	29°49'	26°51'	26°2'	6°27'	29°21'	W 7
T 8	15 3 50	17°33'10"	18°34'	29°26'	17°58'	19°57'	28°28'	2°11'	8°50'	8°10'	29°50'	26°48'	25°59'	6°33'	29°25'	T 8
F 9	15 7 47	18°31'12"	1°20'	29°10'	19°10'	20°21'	28°20'	2°7'	8°51'	8°12'	29°51'	26°45'	25°56'	6°40'	29°28'	F 9
S 10	15 11 43	19°29'13"	14°21'	28°50'	20°22'	20°46'	28°13'	2°3'	8°53'	8°14'	29°51'	26°42'	25°52'	6°47'	29°32'	S 10
S 11	15 15 40	20°27'13"	27°36'	28°26'	21°34'	21°11'	28°5'	1°59'	8°54'	8°16'	29°52'	26°39'	25°49'	6°53'	29°36'	S 11
M 12	15 19 36	21°25'11"	11°8'	27°59'	22°46'	21°36'	27°58'	1°54'	8°55'	8°19'	29°52'	26°38'	25°46'	7°0'	29°40'	M 12
T 13	15 23 33	22°23'08"	24°55'	27°29'	23°58'	22°1'	27°50'	1°50'	8°57'	8°21'	29°53'	26°38'	25°43'	7°7'	29°44'	T 13
W 14	15 27 30	23°21'04"	8°59'	26°57'	25°10'	22°26'	27°43'	1°46'	8°58'	8°23'	29°53'	26°38'	25°40'	7°13'	29°48'	W 14
T 15	15 31 26	24°18'58"	23°18'	26°23'	26°21'	22°52'	27°35'	1°42'	9°0'	8°25'	29°53'	26°40'	25°37'	7°20'	29°52'	T 15
F 16	15 35 23	25°16'51"	7°50'	25°48'	27°33'	23°18'	27°28'	1°38'	9°1'	8°27'	29°54'	26°41'	25°33'	7°27'	29°56'	F 16
S 17	15 39 19	26°14'43"	22°31'	25°13'	28°45'	23°44'	27°20'	1°34'	9°3'	8°30'	29°54'	26°42'	25°30'	7°33'	0°0'	S 17
S 18	15 43 16	27°12'34"	7°16'	24°38'	29°56'	24°11'	27°12'	1°30'	9°5'	8°32'	29°55'	26°41'	25°27'	7°40'	0°5'	S 18
M 19	15 47 12	28°10'23"	21°58'	24°3'	1°8'	24°37'	27°5'	1°26'	9°6'	8°34'	29°55'	26°40'	25°24'	7°47'	0°9'	M 19
T 20	15 51 9	29°8'11"	6°11'	23°30'	2°19'	25°4'	26°57'	1°23'	9°8'	8°36'	29°55'	26°36'	25°21'	7°53'	0°13'	T 20
W 21	15 55 5	0°11'58"	20°47'	22°59'	3°31'	25°31'	26°49'	1°19'	9°10'	8°38'	29°55'	26°32'	25°18'	8°0'	0°18'	W 21
T 22	15 59 2	1°3'43"	4°41'	22°30'	4°42'	25°59'	26°42'	1°15'	9°12'	8°40'	29°56'	26°27'	25°14'	8°6'	0°23'	T 22
F 23	16 2 59	2°1'27"	18°12'	22°4'	5°53'	26°26'	26°34'	1°12'	9°14'	8°42'	29°56'	26°21'	25°11'	8°13'	0°27'	F 23
S 24	16 6 55	2°59'09"	1°18'	21°42'	7°4'	26°54'	26°27'	1°8'	9°15'	8°45'	29°56'	26°17'	25°8'	8°20'	0°32'	S 24
S 25	16 10 52	3°56'50"	14°1'	21°22'	8°16'	27°22'	26°19'	1°5'	9°17'	8°47'	29°56'	26°13'	25°5'	8°26'	0°37'	S 25
M 26	16 14 48	4°54'29"	26°23'	21°7'	9°27'	27°50'	26°12'	1°1'	9°19'	8°49'	29°56'	26°11'	25°2'	8°33'	0°42'	M 26
T 27	16 18 45	5°52'07"	8°30'	20°56'	10°38'	28°18'	26°4'	0°58'	9°22'	8°51'	29°56'	26°11'	24°58'	8°40'	0°47'	T 27
W 28	16 22 41	6°49'43"	20°25'	20°49'	11°48'	28°47'	25°57'	0°55'	9°24'	8°53'	29°56'	26°12'	24°55'	8°46'	0°52'	W 28
T 29	16 26 38	7°47'18"	2°14'	20°47'	12°59'	29°15'	25°49'	0°51'	9°26'	8°55'	29°57'	26°13'	24°52'	8°53'	0°57'	T 29
F 30	16 30 34	8°44'51"	14°3'	20°49'	14°10'	29°44'	25°42'	0°48'	9°28'	8°57'	29°57'	26°15'	24°49'	9°0'	1°2'	F 30
S 31	16 34 31	9°42'23"	25°55'	20°55'	15°21'	0°13'	25°13'	0°45'	9°30'	8°59'	29°57'	26°15'	24°46'	9°6'	1°8'	S 31

Delta T = 72.42 sec

JUNE 2042

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 38 28	10°39'54"	7°54'	21°8'	16°31'	0°42'	25°28'	0°42'	9°33'	9°8'	29°57'	26°15'	24°43'	9°13'	1°13'	S 1
M 2	16 42 24	11°37'23"	20°4'	21°21'	17°42'	1°12'	25°12'	0°39'	9°35'	9°3'	29°57'	26°12'	24°39'	9°20'	1°18'	M 2
T 3	16 46 21	12°34'52"	2°28'	21°41'	18°52'	1°41'	25°13'	0°36'	9°37'	9°5'	29°56'	26°7'	24°36'	9°26'	1°24'	T 3
W 4	16 50 17	13°32'19"	15°6'	22°5'	20°3'	2°11'	25°6'	0°34'	9°40'	9°7'	29°56'	26°1'	24°33'	9°33'	1°29'	W 4
T 5	16 54 14	14°29'46"	28°0'	22°34'	21°13'	2°41'	25°0'	0°31'	9°42'	9°9'	29°56'	25°53'	24°30'	9°40'	1°35'	T 5
F 6	16 58 10	15°27'11"	11°8'	23°7'	22°23'	3°11'	24°53'	0°29'	9°45'	9°11'	29°56'	25°45'	24°27'	9°46'	1°40'	F 6
S 7	17 2 7	16°24'36"	24°29'	23°43'	23°33'	3°41'	24°46'	0°26'	9°47'	9°13'	29°56'	25°37'	24°24'	9°53'	1°46'	S 7
S 8	17 6 3	17°22'00"	8°3'	24°24'	24°43'	4°11'	24°40'	0°24'	9°50'	9°14'	29°56'	25°30'	24°20'	10°0'	1°52'	S 8
M 9	17 10 0	18°19'24"	21°47'	25°9'	25°53'	4°42'	24°33'	0°21'	9°52'	9°16'	29°56'	25°25'	24°17'	10°6'	1°58'	M 9
T 10	17 13 57	19°16'46"	5°40'	25°58'	27°3'	5°13'	24°27'	0°19'	9°55'	9°18'	29°55'	25°22'	24°14'	10°13'	2°3'	T 10
W 11	17 17 53	20°14'09"	19°41'	26°50'	28°13'	5°43'	24°20'	0°17'	9°58'	9°20'	29°55'	25°21'	24°11'	10°20'	2°9'	W 11
T 12	17 21 50	21°11'30"	3°50'	27°46'	29°22'	6°14'	24°14'	0°15'	10°0'	9°22'	29°55'	25°22'	24°8'	10°26'	2°15'	T 12
F 13	17 25 46	22°8'52"	18°4'	28°46'	0°32'	6°45'	24°8'	0°13'	10°3'	9°24'	29°54'	25°22'	24°4'	10°33'	2°21'	F 13
S 14	17 29 43	23°6'13"	2°23'	29°49'	1°41'	7°17'	24°2'	0°11'	10°6'	9°25'	29°54'	25°22'	24°1'	10°39'	2°27'	S 14
S 15	17 33 39	24°3'33"	16°43'	0°56'	2°51'	7°48'	23°56'	0°9'	10°9'	9°27'	29°54'	25°21'	23°58'	10°46'	2°33'	S 15
M 16	17 37 36	25°0'53"	1°11'	2°6'	4°0'	8°19'	23°51'	0°8'	10°11'	9°29'	29°53'	25°16'	23°55'	10°53'	2°39'	M 16
T 17	17 41 32	25°58'13"	15°12'	3°20'	5°9'	8°51'	23°45'	0°6'	10°14'	9°30'	29°53'	25°10'	23°52'	10°59'	2°46'	T 17
W 18	17 45 29	26°55'32"	29°11'	4°36'	6°18'	9°23'	23°40'	0°4'	10°17'	9°32'	29°52'	25°1'	23°49'	11°6'	2°52'	W 18
T 19	17 49 26	27°52'51"	12°54'	5°57'	7°27'	9°55'	23°35'	0°3'	10°20'	9°34'	29°52'	24°51'	23°45'	11°13'	2°58'	T 19
F 20	17 53 22	28°50'09"	26°17'	7°20'	8°36'	10°27'	23°29'	0°2'	10°23'	9°35'	29°52'	24°41'	23°42'	11°19'	3°4'	F 20
S 21	17 57 19	29°47'26"	9°19'	8°46'	9°45'	10°59'	23°24'	0°1'	10°26'	9°37'	29°51'	24°31'	23°39'	11°26'	3°11'	S 21
S 22	18 1 15	0°44'43"	22°0'	10°16'	10°53'	11°31'	23°20'	29°59'	10°29'	9°39'	29°51'	24°23'	23°36'	11°33'	3°17'	S 22
M 23	18 5 12	1°41'59"	4°22'	11°49'	12°2'	12°4'	23°15'	29°58'	10°32'	9°40'	29°50'	24°18'	23°33'	11°39'	3°24'	M 23
T 24	18 9 8	2°39'14"	16°29'	13°25'	13°10'	12°37'	23°10'	29°57'	10°35'	9°42'	29°49'	24°14'	23°30'	11°46'	3°30'	T 24
W 25	18 13 5	3°36'29"	28°24'	15°4'	14°19'	13°9'	23°6'	29°57'	10°38'	9°43'	29°49'	24°13'	23°26'	11°53'	3°37'	W 25
T 26	18 17 2	4°33'43"	10°14'	16°46'	15°27'	13°42'	23°2'	29°56'	10°42'	9°45'	29°48'	24°13'	23°23'	11°59'	3°43'	T 26
F 27	18 20 58	5°30'56"	22°3'	18°31'	16°35'	14°15'	22°58'	29°55'	10°45'	9°46'	29°48'	24°13'	23°20'	12°6'	3°50'	F 27
S 28	18 24 55	6°28'09"	3°56'	20°19'	17°43'	14°48'	22°54'	29°55'	10°48'	9°48'	29°47'	24°13'	23°17'	12°13'	3°56'	S 28
S 29	18 28 51	7°25'21"	16°0'	22°10'	18°50'	15°21'	22°50'	29°54'	10°51'	9°49'	29°46'	24°11'	23°14'	12°19'	4°3'	S 29
M 30	18 32 48	8°22'33"	28°18'	24°11'	19°58'	15°55'	22°47'	29°54'	10°54'	9°50'	29°46'	24°11'	23°14'	12°26'	4°10'	M 30

Delta T = 72.45 sec

ASTRODIENST EPHEMERIS for the year 2042

geocentric

JULY 2042

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	18 36 44	9♉19'45	10♊53	26♋0	21♌5	16♍28	22°R43	29°R54	10♎58	9♏52	29°R45	24°R 0	23°Y 7	12♐32	4♑16	T 1
W 2	18 40 41	10°16'57	23°46	27°58	22°13	17° 1	22♎40	29♏53	11° 1	9°53	29°R44	23°Y51	23° 4	12°39	4°23	W 2
T 3	18 44 37	11°14'08	7♋0	29°59	23°20	17°35	22°37	29°D53	11° 4	9°54	29°43	23°40	23° 1	12°46	4°30	T 3
F 4	18 48 34	12°11'19	20°31	2♌2	24°27	18° 9	22°34	29°53	11° 8	9°56	29°43	23°28	22°58	12°52	4°37	F 4
S 5	18 52 31	13° 8'31	4♌17	4° 7	25°34	18°43	22°31	29°54	11°11	9°57	29°42	23°17	22°55	12°59	4°44	S 5
S 6	18 56 27	14° 5'42	18°15	6°13	26°41	19°17	22°29	29°54	11°14	9°58	29°41	23° 7	22°51	13° 6	4°51	S 6
M 7	19 0 24	15° 2'53	2♋21	8°21	27°47	19°51	22°27	29°54	11°18	9°59	29°40	22°59	22°48	13°12	4°57	M 7
T 8	19 4 20	16° 0'05	16°30	10°29	28°54	20°25	22°24	29°55	11°21	10° 0	29°39	22°55	22°45	13°19	5° 4	T 8
W 9	19 8 17	16°57'17	0♍40	12°38	29°59	20°59	22°22	29°55	11°25	10° 2	29°38	22°52	22°42	13°26	5°11	W 9
T 10	19 12 13	17°54'29	14°49	14°48	1♎6	21°33	22°21	29°56	11°28	10° 3	29°37	22°52	22°39	13°32	5°18	T 10
F 11	19 16 10	18°51'42	28°55	16°58	2°12	22° 8	22°19	29°57	11°32	10° 4	29°37	22°52	22°36	13°39	5°25	F 11
S 12	19 20 6	19°48'55	12♊59	19° 8	3°18	22°42	22°17	29°57	11°35	10° 5	29°36	22°51	22°32	13°46	5°32	S 12
S 13	19 24 3	20°46'09	26°58	21°17	4°23	23°17	22°16	29°58	11°39	10° 6	29°35	22°48	22°29	13°52	5°39	S 13
M14	19 28 0	21°43'24	10♋52	23°26	5°29	23°52	22°15	29°59	11°42	10° 7	29°34	22°43	22°26	13°59	5°46	M14
T 15	19 31 56	22°40'39	24°38	25°33	6°34	24°27	22°14	0♎0	11°46	10° 8	29°33	22°35	22°23	14° 6	5°54	T 15
W16	19 35 53	23°37'54	8♌13	27°40	7°39	25° 2	22°13	0° 2	11°49	10° 9	29°32	22°24	22°20	14°12	6° 1	W16
T 17	19 39 49	24°35'10	21°35	29°46	8°44	25°37	22°13	0° 3	11°53	10°10	29°31	22°12	22°16	14°19	6° 8	T 17
F 18	19 43 46	25°32'26	4♌42	1♌50	9°48	26°12	22°12	0° 4	11°56	10°11	29°30	21°59	22°13	14°25	6°15	F 18
S 19	19 47 42	26°29'42	17°32	3°52	10°53	26°47	22°12	0° 6	12° 0	10°11	29°29	21°47	22°10	14°32	6°22	S 19
S 20	19 51 39	27°26'59	0♎5	5°54	11°57	27°23	22°D12	0° 8	12° 4	10°12	29°28	21°37	22° 7	14°39	6°29	S 20
M21	19 55 35	28°24'16	12°22	7°53	13° 1	27°58	22°12	0° 9	12° 7	10°13	29°27	21°30	22° 4	14°45	6°36	M21
T 22	19 59 32	29°21'33	24°25	9°51	14° 4	28°34	22°13	0°11	12°11	10°14	29°25	21°25	22° 1	14°52	6°44	T 22
W23	20 3 29	0♌18'51	6♉19	11°48	15° 8	29°10	22°13	0°13	12°15	10°14	29°24	21°23	21°57	14°59	6°51	W23
T 24	20 7 25	1°16'09	18° 8	13°42	16°11	29°45	22°14	0°15	12°18	10°15	29°23	21°D22	21°54	15° 5	6°58	T 24
F 25	20 11 22	2°13'27	29°57	15°35	17°14	0♉21	22°15	0°17	12°22	10°16	29°22	21°R22	21°51	15°12	7° 5	F 25
S 26	20 15 18	3°10'45	11♎51	17°26	18°17	0°57	22°16	0°19	12°26	10°16	29°21	21°22	21°48	15°19	7°12	S 26
S 27	20 19 15	4° 8'04	23°55	19°15	19°19	1°33	22°17	0°22	12°29	10°17	29°20	21°20	21°45	15°25	7°20	S 27
M28	20 23 11	5° 5'24	6♊16	21° 3	20°21	2° 9	22°19	0°24	12°33	10°17	29°19	21°17	21°42	15°32	7°27	M28
T 29	20 27 8	6° 2'44	18°57	22°49	21°23	2°45	22°20	0°26	12°37	10°18	29°18	21°11	21°38	15°39	7°34	T 29
W30	20 31 4	7° 0'05	2♋0	24°33	22°25	3°22	22°22	0°29	12°40	10°18	29°16	21° 2	21°35	15°45	7°41	W30
T 31	20 35 1	7♌57'26	15♋27	26♌16	23♎26	3♉58	22♎24	0♎32	12♌44	10♊19	29°R15	20°Y52	21°Y32	15♐52	7♑49	T 31

Delta T = 72.47 sec

AUGUST 2042

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	20 38 58	8♌54'48	29♋17	27♌56	24♎27	4♉35	22♎26	0♎34	12♌48	10♊19	29°R14	20°R41	21°Y29	15♐59	7♑56	F 1
S 2	20 42 54	9°52'10	13♌26	29°36	25°28	5°11	22°29	0°37	12°51	10°20	29°R13	20°Y31	21°26	16° 5	8° 3	S 2
S 3	20 46 51	10°49'34	27°49	1♎13	26°28	5°48	22°31	0°40	12°55	10°20	29°12	20°21	21°22	16°12	8°10	S 3
M 4	20 50 47	11°46'58	12♋20	2°49	27°28	6°25	22°34	0°43	12°59	10°20	29°10	20°14	21°19	16°18	8°18	M 4
T 5	20 54 44	12°44'23	26°52	4°23	28°28	7° 1	22°37	0°46	13° 3	10°21	29° 9	20°10	21°16	16°25	8°25	T 5
W 6	20 58 40	13°41'50	11°Y20	5°55	29°27	7°38	22°40	0°49	13° 6	10°21	29° 8	20° 8	21°13	16°32	8°32	W 6
T 7	21 2 37	14°39'18	25°41	7°26	0♉26	8°15	22°43	0°53	13°10	10°21	29° 7	20°D 8	21°10	16°38	8°40	T 7
F 8	21 6 33	15°36'47	9♊51	8°55	1°25	8°52	22°46	0°56	13°14	10°21	29° 5	20°R 8	21° 7	16°45	8°47	F 8
S 9	21 10 30	16°34'17	23°50	10°22	2°23	9°30	22°50	0°59	13°17	10°22	29° 4	20° 8	21° 3	16°52	8°54	S 9
S 10	21 14 27	17°31'49	7♋37	11°47	3°21	10° 7	22°54	1° 3	13°21	10°22	29° 3	20° 7	21° 0	16°58	9° 1	S 10
M11	21 18 23	18°29'22	21°13	13°11	4°18	10°44	22°57	1° 6	13°25	10°22	29° 1	20° 3	20°57	17° 5	9° 8	M11
T 12	21 22 20	19°26'57	4♌38	14°33	5°15	11°22	23° 1	1°10	13°28	10°22	29° 0	19°56	20°54	17°12	9°16	T 12
W13	21 26 16	20°24'33	17°50	15°53	6°11	11°59	23° 6	1°14	13°32	10°R22	28°59	19°48	20°51	17°18	9°23	W13
T 14	21 30 13	21°22'11	0♌50	17°11	7° 7	12°37	23°10	1°18	13°36	10°22	28°58	19°38	20°48	17°25	9°30	T 14
F 15	21 34 9	22°19'49	13°36	18°28	8° 3	13°14	23°15	1°22	13°40	10°22	28°56	19°28	20°44	17°32	9°37	F 15
S 16	21 38 6	23°17'29	26°10	19°42	8°58	13°52	23°19	1°26	13°43	10°22	28°55	19°18	20°41	17°38	9°44	S 16
S 17	21 42 3	24°15'10	8♎30	20°54	9°53	14°30	23°24	1°30	13°47	10°22	28°54	19°10	20°38	17°45	9°52	S 17
M18	21 45 59	25°12'52	20°38	22° 5	10°47	15° 8	23°29	1°34	13°51	10°22	28°52	19° 4	20°35	17°51	9°59	M18
T 19	21 49 56	26°10'36	2♉36	23°13	11°40	15°46	23°34	1°38	13°54	10°21	28°51	19° 0	20°32	17°58	10° 6	T 19
W20	21 53 52	27° 8'20	14°26	24°18	12°33	16°24	23°40	1°42	13°58	10°21	28°50	18°D59	20°28	18° 5	10°13	W20
T 21	21 57 49	28° 6'06	26°13	25°22	13°25	17° 2	23°45	1°47	14° 2	10°21	28°49	18°59	20°25	18°11	10°20	T 21
F 22	22 1 45	29° 3'53	8♎1	26°23	14°17	17°40	23°51	1°51	14° 5	10°21	28°47	19° 0	20°22	18°18	10°27	F 22
S 23	22 5 42	0♎1'41	19°54	27°21	15° 8	18°19	23°56	1°56	14° 9	10°20	28°46	19° 1	20°19	18°25	10°34	S 23
S 24	22 9 38	0°59'30	1♊58	28°16	15°59	18°57	24° 2	2° 0	14°12	10°20	28°45	19°R 2	20°16	18°31	10°41	S 24
M25	22 13 35	1°57'21	14°17	29° 9	16°49	19°36	24° 8	2° 5	14°16	10°20	28°43	19° 1	20°13	18°38	10°48	M25
T 26	22 17 31	2°55'12	26°58	29°58	17°38	20°14	24°15	2°10	14°20	10°19	28°42	18°58	20° 9	18°45	10°55	T 26
W27	22 21 28	3°53'05	10♋2	0♉44	18°26	20°53	24°21	2°15	14°23	10°19	28°41	18°54	20° 6	18°51	11° 2	W27
T 28	22 25 25	4°51'00	23°34	1°27	19°13	21°32	24°28	2°19	14°27	10°18	28°39	18°48	20° 3	18°58	11° 9	T 28
F 29	22 29 21	5°48'55	7♋32	2° 6	20° 0	22°10	24°34	2°24	14°30	10°18	28°38	18°41	20° 0	19° 5	11°16	F 29
S 30	22 33 18	6°46'52	21°54	2°41	20°46	22°49	24°41	2°29	14°34	10°17	28°37	18°34	19°57	19°11	11°23	S 30
S 31	22 37 14	7♎44'51	6♋34	3♉12	21♐31	23♐28	24♎48	2♎35	14♌37	10♊17	28°R36	18°Y29	19°Y53	19♐18	11♑30	S 31

Delta T = 72.49 sec

ASTRODIENST EPHEMERIS for the year 2042

geocentric

SEPTEMBER 2042

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	22 41 11	8 ^h 42'50	21 ^h 16'26	3 ^h 38'38	22 ^h 15'15	24 ^h 07'24	24 ^h 16'55	2 ^h 16'40	14 ^h 04'41	10 ^h 16'16	28 ^h 34'34	18 ^h 25'25	19 ^h 50'50	19 ^h 25'25	11 ^h 02'37	M 1
T 2	22 45 7	9 ^h 40'52	6 ^h 17'22	3 ^h 59'22	22 ^h 58'58	24 ^h 46'25	25 ^h 2'25	2 ^h 45'14	14 ^h 44'10	10 ^h 16'16	28 ^h 33'33	18 ^h 22'22	19 ^h 47'47	19 ^h 31'31	11 ^h 43'43	T 2
W 3	22 49 4	10 ^h 38'55	21 ^h 13'21	4 ^h 16'41	23 ^h 41'23	25 ^h 25'25	25 ^h 10'10	2 ^h 50'14	14 ^h 48'10	10 ^h 15'15	28 ^h 32'32	18 ^h 22'22	19 ^h 44'44	19 ^h 38'38	11 ^h 50'50	W 3
T 4	22 53 0	11 ^h 37'01	5 ^h 05'52	4 ^h 27'27	24 ^h 22'22	26 ^h 5'25	25 ^h 17'17	2 ^h 55'14	14 ^h 51'10	10 ^h 14'14	28 ^h 30'30	18 ^h 23'23	19 ^h 41'41	19 ^h 44'44	11 ^h 57'57	T 4
F 5	22 56 57	12 ^h 35'08	20 ^h 16'16	4 ^h 33'33	25 ^h 2'25	26 ^h 44'44	25 ^h 25'25	3 ^h 1'14	14 ^h 54'10	10 ^h 14'14	28 ^h 29'29	18 ^h 24'24	19 ^h 38'38	19 ^h 51'51	12 ^h 4'4	F 5
S 6	23 0 54	13 ^h 33'17	4 ^h 11'22	4 ^h 33'33	25 ^h 41'41	27 ^h 23'23	25 ^h 32'32	3 ^h 6'14	14 ^h 58'10	10 ^h 13'13	28 ^h 28'28	18 ^h 25'25	19 ^h 34'34	19 ^h 58'58	12 ^h 10'10	S 6
S 7	23 4 50	14 ^h 31'29	18 ^h 9'9	4 ^h 27'27	26 ^h 19'19	28 ^h 3'25	25 ^h 40'40	3 ^h 12'15	15 ^h 1'10	10 ^h 12'12	28 ^h 27'27	18 ^h 25'25	19 ^h 31'31	20 ^h 4'4	12 ^h 17'17	S 7
M 8	23 8 47	15 ^h 29'42	1 ^h 33'37	4 ^h 14'14	26 ^h 56'56	28 ^h 42'42	25 ^h 48'48	3 ^h 17'15	15 ^h 5'10	10 ^h 11'11	28 ^h 25'25	18 ^h 24'24	19 ^h 28'28	20 ^h 11'11	12 ^h 23'23	M 8
T 9	23 12 43	16 ^h 27'58	14 ^h 48'48	3 ^h 55'55	27 ^h 32'32	29 ^h 22'22	25 ^h 56'56	3 ^h 23'15	15 ^h 8'10	10 ^h 10'10	28 ^h 24'24	18 ^h 22'22	19 ^h 25'25	20 ^h 18'18	12 ^h 30'30	T 9
W10	23 16 40	17 ^h 26'15	27 ^h 43'43	3 ^h 29'29	28 ^h 6'6	0 ^h 16'2	26 ^h 4'26	3 ^h 29'15	15 ^h 11'10	10 ^h 10'10	28 ^h 23'23	18 ^h 18'18	19 ^h 22'22	20 ^h 24'24	12 ^h 37'37	W10
T 11	23 20 36	18 ^h 24'35	10 ^h 02'24	2 ^h 57'57	28 ^h 39'39	0 ^h 42'42	26 ^h 13'13	3 ^h 35'15	15 ^h 14'10	10 ^h 9'9	28 ^h 22'22	18 ^h 13'13	19 ^h 19'19	20 ^h 31'31	12 ^h 43'43	T 11
F 12	23 24 33	19 ^h 22'56	22 ^h 52'52	2 ^h 19'19	29 ^h 11'11	1 ^h 22'22	26 ^h 21'21	3 ^h 40'15	15 ^h 18'10	10 ^h 8'8	28 ^h 21'21	18 ^h 8'8	19 ^h 15'15	20 ^h 38'38	12 ^h 49'49	F 12
S 13	23 28 29	20 ^h 21'19	5 ^h 11'9	1 ^h 35'35	29 ^h 41'41	2 ^h 1'2	26 ^h 30'30	3 ^h 46'15	15 ^h 21'10	10 ^h 7'7	28 ^h 19'19	18 ^h 4'4	19 ^h 12'12	20 ^h 44'44	12 ^h 56'56	S 13
S 14	23 32 26	21 ^h 19'45	17 ^h 16'16	0 ^h 45'45	0 ^h 16'2	2 ^h 41'24	26 ^h 39'39	3 ^h 52'15	15 ^h 24'10	10 ^h 6'6	28 ^h 18'18	18 ^h 0'0	19 ^h 9'9	20 ^h 51'51	13 ^h 2'2	S 14
M15	23 36 23	22 ^h 18'12	29 ^h 14'14	29 ^h 11'21	0 ^h 37'37	3 ^h 22'22	26 ^h 47'47	3 ^h 58'15	15 ^h 27'10	10 ^h 5'5	28 ^h 17'17	17 ^h 57'57	19 ^h 6'6	20 ^h 58'58	13 ^h 8'8	M15
T 16	23 40 19	23 ^h 16'40	11 ^h 11'6	28 ^h 51'51	1 ^h 3'3	4 ^h 2'26	26 ^h 56'56	4 ^h 4'15	15 ^h 30'30	10 ^h 4'4	28 ^h 16'16	17 ^h 56'56	19 ^h 3'3	21 ^h 4'4	13 ^h 15'15	T 16
W17	23 44 16	24 ^h 15'11	22 ^h 54'54	27 ^h 50'50	1 ^h 27'27	4 ^h 42'42	27 ^h 6'6	4 ^h 10'15	15 ^h 33'30	10 ^h 3'3	28 ^h 15'15	17 ^h 55'55	18 ^h 59'59	21 ^h 11'11	13 ^h 21'21	W17
T 18	23 48 12	25 ^h 13'43	4 ^h 16'40	26 ^h 47'47	1 ^h 50'50	5 ^h 22'22	27 ^h 15'15	4 ^h 16'15	15 ^h 37'30	10 ^h 2'2	28 ^h 14'14	17 ^h 57'57	18 ^h 56'56	21 ^h 17'17	13 ^h 27'27	T 18
F 19	23 52 9	26 ^h 12'18	16 ^h 28'28	25 ^h 44'44	2 ^h 10'10	6 ^h 3'27	27 ^h 24'24	4 ^h 22'15	15 ^h 40'10	10 ^h 1'1	28 ^h 12'12	17 ^h 58'58	18 ^h 53'53	21 ^h 24'24	13 ^h 33'33	F 19
S 20	23 56 5	27 ^h 10'54	28 ^h 21'21	24 ^h 42'42	2 ^h 29'29	6 ^h 43'43	27 ^h 33'33	4 ^h 29'15	15 ^h 43'30	10 ^h 0'0	28 ^h 11'11	18 ^h 0'0	18 ^h 50'50	21 ^h 31'31	13 ^h 39'39	S 20
S 21	0 0 2	28 ^h 9'31	10 ^h 17'25	23 ^h 43'43	2 ^h 46'46	7 ^h 24'24	27 ^h 43'43	4 ^h 35'15	15 ^h 46'40	9 ^h 58'58	28 ^h 10'10	18 ^h 1'1	18 ^h 47'47	21 ^h 37'37	13 ^h 45'45	S 21
M22	0 3 58	29 ^h 8'11	22 ^h 43'43	22 ^h 49'49	3 ^h 1'3	8 ^h 4'27	27 ^h 52'52	4 ^h 41'15	15 ^h 49'40	9 ^h 57'57	28 ^h 9'9	18 ^h 2'2	18 ^h 44'44	21 ^h 44'44	13 ^h 51'51	M22
T 23	0 7 55	0 ^h 16'52	5 ^h 31'19	22 ^h 1'21	3 ^h 14'14	8 ^h 45'45	28 ^h 2'28	4 ^h 48'15	15 ^h 51'10	9 ^h 56'56	28 ^h 8'8	18 ^h 2'2	18 ^h 40'40	21 ^h 51'51	13 ^h 57'57	T 23
W24	0 11 52	1 ^h 5'35	18 ^h 19'19	21 ^h 19'19	3 ^h 25'25	9 ^h 26'26	28 ^h 12'12	4 ^h 54'15	15 ^h 54'40	9 ^h 55'55	28 ^h 7'7	18 ^h 1'1	18 ^h 37'37	21 ^h 57'57	14 ^h 3'3	W24
T 25	0 15 48	2 ^h 4'19	1 ^h 34'45	20 ^h 46'46	3 ^h 34'34	10 ^h 7'28	28 ^h 22'22	5 ^h 0'15	15 ^h 57'50	9 ^h 54'40	28 ^h 6'6	18 ^h 0'0	18 ^h 34'34	22 ^h 4'4	14 ^h 9'9	T 25
F 26	0 19 45	3 ^h 3'05	15 ^h 39'39	20 ^h 22'22	3 ^h 40'40	10 ^h 48'48	28 ^h 32'32	5 ^h 7'16	16 ^h 0'0	9 ^h 52'52	28 ^h 5'5	17 ^h 58'58	18 ^h 31'31	22 ^h 11'11	14 ^h 14'14	F 26
S 27	0 23 41	4 ^h 1'53	29 ^h 59'59	20 ^h 8'8	3 ^h 45'45	11 ^h 29'29	28 ^h 42'42	5 ^h 13'16	16 ^h 3'3	9 ^h 51'51	28 ^h 4'4	17 ^h 56'56	18 ^h 28'28	22 ^h 17'17	14 ^h 20'20	S 27
S 28	0 27 38	5 ^h 0'43	14 ^h 14'44	20 ^h 3'3	3 ^h 47'47	12 ^h 10'10	28 ^h 52'52	5 ^h 20'16	16 ^h 6'6	9 ^h 50'50	28 ^h 3'3	17 ^h 55'55	18 ^h 25'25	22 ^h 24'24	14 ^h 26'26	S 28
M29	0 31 34	5 ^h 59'34	29 ^h 45'45	20 ^h 9'9	3 ^h 46'46	12 ^h 51'51	29 ^h 3'29	5 ^h 26'16	16 ^h 8'8	9 ^h 48'48	28 ^h 2'2	17 ^h 54'54	18 ^h 21'21	22 ^h 31'31	14 ^h 31'31	M29
T 30	0 35 31	6 ^h 58'28	14 ^h 15'55	20 ^h 25'25	3 ^h 44'44	13 ^h 16'32	29 ^h 13'13	5 ^h 16'33	16 ^h 11'11	9 ^h 47'47	28 ^h 1'1	17 ^h 53'53	18 ^h 18'18	22 ^h 37'37	14 ^h 02'37	T 30

Delta T = 72.52 sec

OCTOBER 2042

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	0 39 27	7 ^h 57'23	0 ^h 8'4	20 ^h 11'51	3 ^h R39	14 ^h M13	29 ^h M23	5 ^h M40	16 ^h Q14	9 ^h R46	28 ^h R 0	17 ^h Y53	18 ^h Y15	22 ^h A44	14 ^h Q42	W 1
T 2	0 43 24	8 ^h 56'21	15 ^h 4	21 ^h 26	3 ^h M31	14 ^h 55	29 ^h 34	5 ^h 46	16 ^h 16	9 ^h A44	27 ^h ≈59	17 ^h 54	18 ^h 12	22 ^h 50	14 ^h 48	T 2
F 3	0 47 21	9 ^h 55'21	29 ^h 46	22 ^h 10	3 ^h 21	15 ^h 36	29 ^h 45	5 ^h 53	16 ^h 19	9 ^h 43	27 ^h 58	17 ^h 55	18 ^h 9	22 ^h 57	14 ^h 53	F 3
S 4	0 51 17	10 ^h 54'23	14 ^h II 7	23 ^h 3	3 ^h 9	16 ^h 17	29 ^h 55	6 ^h 0	16 ^h 21	9 ^h 42	27 ^h 57	17 ^h 55	18 ^h 5	23 ^h 4	14 ^h 58	S 4
S 5	0 55 14	11 ^h 53'28	28 ^h 2	24 ^h 3	2 ^h 54	16 ^h 59	0 ^h ♂ 6	6 ^h 7	16 ^h 24	9 ^h 40	27 ^h 56	17 ^h 56	18 ^h 2	23 ^h 10	15 ^h 3	S 5
M 6	0 59 10	12 ^h 52'35	11 ^h ☾33	25 ^h 10	2 ^h 37	17 ^h 41	0 ^h ♂ 7	6 ^h 13	16 ^h 26	9 ^h 39	27 ^h 56	17 ^h R56	17 ^h 59	23 ^h 17	15 ^h 8	M 6
T 7	1 3 7	13 ^h 51'44	24 ^h 41	26 ^h 23	2 ^h 18	18 ^h 22	0 ^h 28	6 ^h 20	16 ^h 29	9 ^h 37	27 ^h 55	17 ^h 56	17 ^h 56	23 ^h 24	15 ^h 14	T 7
W 8	1 7 3	14 ^h 50'56	7 ^h Q28	27 ^h 41	1 ^h 57	19 ^h 4	0 ^h 39	6 ^h 27	16 ^h 31	9 ^h 36	27 ^h 54	17 ^h 55	17 ^h 53	23 ^h 30	15 ^h 19	W 8
T 9	1 11 0	15 ^h 50'10	19 ^h 57	29 ^h 5	1 ^h 33	19 ^h 46	0 ^h 51	6 ^h 34	16 ^h 33	9 ^h 34	27 ^h 53	17 ^h 55	17 ^h 50	23 ^h 37	15 ^h 23	T 9
F 10	1 14 56	16 ^h 49'26	2 ^h II 12	0 ^h ♂ 32	1 ^h 7	20 ^h 28	1 ^h 2	6 ^h 41	16 ^h 36	9 ^h 33	27 ^h 52	17 ^h 55	17 ^h 46	23 ^h 44	15 ^h 28	F 10
S 11	1 18 53	17 ^h 48'44	14 ^h 17	2 ^h 3	0 ^h 40	21 ^h 10	1 ^h 13	6 ^h 48	16 ^h 38	9 ^h 31	27 ^h 52	17 ^h D55	17 ^h 43	23 ^h 50	15 ^h 33	S 11
S 12	1 22 50	18 ^h 48'04	26 ^h 13	3 ^h 37	0 ^h 10	21 ^h 52	1 ^h 25	6 ^h 55	16 ^h 40	9 ^h 30	27 ^h 51	17 ^h 55	17 ^h 40	23 ^h 57	15 ^h 38	S 12
M13	1 26 46	19 ^h 47'27	8 ^h ♂ 4	5 ^h 13	29 ^h ♂ 40	22 ^h 34	1 ^h 36	7 ^h 2	16 ^h 42	9 ^h 28	27 ^h 50	17 ^h 55	17 ^h 37	24 ^h 4	15 ^h 42	M13
T 14	1 30 43	20 ^h 46'52	19 ^h 51	6 ^h 51	29 ^h 7	23 ^h 16	1 ^h 48	7 ^h 9	16 ^h 44	9 ^h 27	27 ^h 49	17 ^h R55	17 ^h 34	24 ^h 10	15 ^h 47	T 14
W15	1 34 39	21 ^h 46'18	1 ^h M38	8 ^h 30	28 ^h 33	23 ^h 59	1 ^h 59	7 ^h 16	16 ^h 46	9 ^h 25	27 ^h 49	17 ^h 55	17 ^h 30	24 ^h 17	15 ^h 51	W15
T 16	1 38 36	22 ^h 45'47	13 ^h 27	10 ^h 11	27 ^h 59	24 ^h 41	1 ^h 21	7 ^h 23	16 ^h 48	9 ^h 23	27 ^h 48	17 ^h 55	17 ^h 27	24 ^h 24	15 ^h 56	T 16
F 17	1 42 32	23 ^h 45'18	25 ^h 19	11 ^h 52	27 ^h 23	25 ^h 23	2 ^h 23	7 ^h 30	16 ^h 50	9 ^h 22	27 ^h 47	17 ^h 54	17 ^h 24	24 ^h 30	16 ^h 0	F 17
S 18	1 46 29	24 ^h 44'51	7 ^h ♂ 17	13 ^h 34	26 ^h 47	26 ^h 6	2 ^h 35	7 ^h 37	16 ^h 52	9 ^h 20	27 ^h 47	17 ^h 53	17 ^h 21	24 ^h 37	16 ^h 4	S 18
S 19	1 50 25	25 ^h 44'25	19 ^h 25	15 ^h 17	26 ^h 10	26 ^h 48	2 ^h 46	7 ^h 44	16 ^h 54	9 ^h 18	27 ^h 46	17 ^h 52	17 ^h 18	24 ^h 43	16 ^h 8	S 19
M20	1 54 22	26 ^h 44'01	1 ^h ♂ 45	17 ^h 0	25 ^h 34	27 ^h 31	2 ^h 58	7 ^h 52	16 ^h 56	9 ^h 17	27 ^h 46	17 ^h 51	17 ^h 15	24 ^h 50	16 ^h 12	M20
T 21	1 58 19	27 ^h 43'40	14 ^h 21	18 ^h 43	24 ^h 57	28 ^h 14	3 ^h 11	7 ^h 59	16 ^h 58	9 ^h 15	27 ^h 45	17 ^h 50	17 ^h 11	24 ^h 57	16 ^h 16	T 21
W22	2 2 15	28 ^h 43'19	27 ^h 16	20 ^h 25	24 ^h 21	28 ^h 56	3 ^h 23	8 ^h 6	16 ^h 59	9 ^h 14	27 ^h 45	17 ^h D50	17 ^h 8	25 ^h 3	16 ^h 20	W22
T 23	2 6 12	29 ^h 43'01	10 ^h ≈33	22 ^h 8	23 ^h 45	29 ^h 39	3 ^h 35	8 ^h 13	17 ^h 1	9 ^h 12	27 ^h 44	17 ^h 50	17 ^h 5	25 ^h 10	16 ^h 24	T 23
F 24	2 10 8	0 ^h M42'44	24 ^h 16	23 ^h 50	23 ^h 11	0 ^h ♂ 22	3 ^h 47	8 ^h 20	17 ^h 3	9 ^h 10	27 ^h 44	17 ^h 51	17 ^h 2	25 ^h 17	16 ^h 28	F 24
S 25	2 14 5	1 ^h 42'29	8 ^h ♂ 24	25 ^h 32	22 ^h 37	1 ^h 5	3 ^h 59	8 ^h 27	17 ^h 4	9 ^h 9	27 ^h 43	17 ^h 52	16 ^h 59	25 ^h 23	16 ^h 31	S 25
S 26	2 18 1	2 ^h 42'16	22 ^h 56	27 ^h 14	22 ^h 4	1 ^h 48	4 ^h 12	8 ^h 35	17 ^h 6	9 ^h 7	27 ^h 43	17 ^h 53	16 ^h 56	25 ^h 30	16 ^h 35	S 26
M27	2 21 58	3 ^h 42'04	7 ^h Y50	28 ^h 55	21 ^h 34	2 ^h 31	4 ^h 24	8 ^h 42	17 ^h 7	9 ^h 5	27 ^h 43	17 ^h 54	16 ^h 52	25 ^h 37	16 ^h 38	M27
T 28	2 25 54	4 ^h 41'54	22 ^h 57	0 ^h M36	21 ^h 4	3 ^h 14	4 ^h 36	8 ^h 49	17 ^h 9	9 ^h 4	27 ^h 42	17 ^h R54	16 ^h 49	25 ^h 43	16 ^h 42	T 28
W29	2 29 51	5 ^h 41'46	8 ^h Y11	2 ^h 16	20 ^h 37	3 ^h 58	4 ^h 49	8 ^h 56	17 ^h 10	9 ^h 2	27 ^h 42	17 ^h 53	16 ^h 46	25 ^h 50	16 ^h 45	W29
T 30	2 33 48	6 ^h 41'40	23 ^h 20	3 ^h 56	20 ^h 11	4 ^h 41	5 ^h 1	9 ^h 3	17 ^h 11	9 ^h 0	27 ^h 41	17 ^h 52	16 ^h 43	25 ^h 57	16 ^h 48	T 30
F 31	2 37 44	7 ^h M41'36	8 ^h II 16	5 ^h M36	19 ^h ♂ 48	5 ^h ♂ 24	5 ^h ♂ 14	9 ^h M11	17 ^h Q13	8 ^h ♂ 58	27 ^h ≈41	17 ^h Y49	16 ^h Y40	26 ^h ♂ 3	16 ^h Q51	F 31

ASTRODIENST EPHEMERIS for the year 2042
geocentric

NOVEMBER 2042

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	2 41 41	8♏41'34	22♏51	7♏14	19°R27	6♏8	5♏27	9♏18	17°Ω14	8°R57	27°R41	17°R46	16°Υ36	26♏10	16♏54	S 1
S 2	2 45 37	9°41'34	6♏59	8°53	19♏8	6°51	5°39	9°25	17°15	8♏55	27°R41	17°Υ43	16°33	26°16	16°57	S 2
M 3	2 49 34	10°41'37	20°39	10°31	18°52	7°35	5°52	9°32	17°16	8°53	27°40	17°41	16°30	26°23	17°0	M 3
T 4	2 53 30	11°41'41	3♏52	12°9	18°38	8°18	6°5	9°40	17°17	8°52	27°40	17°40	16°27	26°30	17°3	T 4
W 5	2 57 27	12°41'48	16°39	13°46	18°26	9°2	6°18	9°47	17°18	8°50	27°40	17°D40	16°24	26°36	17°5	W 5
T 6	3 1 23	13°41'57	29°5	15°22	18°17	9°46	6°31	9°54	17°19	8°48	27°40	17°41	16°21	26°43	17°8	T 6
F 7	3 5 20	14°42'07	11♏15	16°59	18°10	10°29	6°44	10°1	17°20	8°47	27°40	17°42	16°17	26°50	17°10	F 7
S 8	3 9 17	15°42'20	23°13	18°35	18°6	11°13	6°56	10°8	17°21	8°45	27°40	17°44	16°14	26°56	17°13	S 8
S 9	3 13 13	16°42'35	5♏3	20°10	18°D 5	11°57	7°9	10°16	17°22	8°43	27°40	17°46	16°11	27°3	17°15	S 9
M10	3 17 10	17°42'51	16°50	21°45	18°5	12°41	7°22	10°23	17°22	8°42	27°40	17°R46	16°8	27°10	17°17	M10
T 11	3 21 6	18°43'10	28°37	23°20	18°9	13°25	7°36	10°30	17°23	8°40	27°D40	17°46	16°5	27°16	17°19	T 11
W12	3 25 3	19°43'30	10♏26	24°55	18°14	14°9	7°49	10°37	17°24	8°38	27°40	17°43	16°2	27°23	17°21	W12
T 13	3 28 59	20°43'53	22°20	26°29	18°22	14°53	8°2	10°44	17°24	8°37	27°40	17°40	15°58	27°30	17°23	T 13
F 14	3 32 56	21°44'16	4♏21	28°3	18°32	15°38	8°15	10°52	17°25	8°35	27°40	17°34	15°55	27°36	17°25	F 14
S 15	3 36 52	22°44'42	16°31	29°36	18°44	16°22	8°28	10°59	17°25	8°33	27°40	17°28	15°52	27°43	17°26	S 15
S 16	3 40 49	23°45'09	28°50	1♏10	18°59	17°6	8°41	11°6	17°26	8°32	27°40	17°21	15°49	27°50	17°28	S 16
M17	3 44 46	24°45'38	11♏20	2°43	19°15	17°51	8°55	11°13	17°26	8°30	27°40	17°15	15°46	27°56	17°29	M17
T 18	3 48 42	25°46'08	24°3	4°15	19°34	18°35	9°8	11°20	17°26	8°29	27°40	17°9	15°42	28°3	17°31	T 18
W19	3 52 39	26°46'39	7♏0	5°48	19°54	19°20	9°21	11°27	17°27	8°27	27°41	17°5	15°39	28°10	17°32	W19
T 20	3 56 35	27°47'11	20°14	7°20	20°17	20°4	9°34	11°34	17°27	8°25	27°41	17°4	15°36	28°16	17°33	T 20
F 21	4 0 32	28°47'45	3♏47	8°52	20°41	20°49	9°48	11°41	17°27	8°24	27°41	17°D 3	15°33	28°23	17°34	F 21
S 22	4 4 28	29°48'20	17°40	10°24	21°7	21°34	10°1	11°48	17°27	8°22	27°41	17°4	15°30	28°29	17°35	S 22
S 23	4 8 25	0♏48'56	1°Υ54	11°56	21°34	22°19	10°14	11°55	17°R27	8°21	27°42	17°6	15°27	28°36	17°36	S 23
M24	4 12 21	1°49'33	16°28	13°27	22°4	23°3	10°28	12°2	17°27	8°19	27°42	17°R 6	15°23	28°43	17°36	M24
T 25	4 16 18	2°50'11	1♏17	14°59	22°35	23°48	10°41	12°9	17°27	8°18	27°42	17°6	15°20	28°49	17°37	T 25
W26	4 20 15	3°50'51	16°17	16°29	23°7	24°33	10°55	12°16	17°27	8°16	27°43	17°3	15°17	28°56	17°37	W26
T 27	4 24 11	4°51'31	1♏19	18°0	23°41	25°18	11°8	12°23	17°26	8°15	27°43	16°57	15°14	29°3	17°38	T 27
F 28	4 28 8	5°52'14	16°13	19°31	24°16	26°3	11°22	12°30	17°26	8°13	27°44	16°50	15°11	29°9	17°38	F 28
S 29	4 32 4	6°52'57	0♏51	21°1	24°53	26°48	11°35	12°37	17°26	8°12	27°44	16°42	15°8	29°16	17°38	S 29
S 30	4 36 1	7♏53'42	15♏6	22♏31	25♏31	27♏33	11♏49	12♏43	17°Ω25	8♏10	27°R45	16°Υ34	15°Υ 4	29°Ω23	17°R38	S 30

Delta T = 72.56 sec

DECEMBER 2042

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	4 39 57	8♏54'29	28♏54	24♏0	26♏10	28♏19	12♏2	12♏50	17°R25	8°R 9	27°R45	16°R26	15°Υ 1	29°Ω29	17°R38	M 1
T 2	4 43 54	9°55'17	12♏14	25°29	26°51	29°4	12°16	12°57	17°Ω24	8♏8	27°46	16°Υ21	14°58	29°36	17°Ω38	T 2
W 3	4 47 50	10°56'06	25°6	26°58	27°33	29°49	12°29	13°3	17°24	8°6	27°46	16°17	14°55	29°43	17°38	W 3
T 4	4 51 47	11°56'57	7♏35	28°26	28°15	0♏35	12°43	13°10	17°23	8°5	27°47	16°D16	14°52	29°49	17°37	T 4
F 5	4 55 44	12°57'49	19°45	29°53	28°59	1°20	12°56	13°17	17°23	8°4	27°47	16°16	14°48	29°56	17°37	F 5
S 6	4 59 40	13°58'42	1♏42	1♏20	29°44	2°5	13°10	13°23	17°22	8°2	27°48	16°17	14°45	0♏3	17°36	S 6
S 7	5 3 37	14°59'37	13°31	2°46	0♏30	2°51	13°23	13°30	17°21	8°1	27°49	16°R17	14°42	0°9	17°36	S 7
M 8	5 7 33	16°0'32	25°17	4°11	1°17	3°37	13°37	13°36	17°20	8°0	27°49	16°17	14°39	0°16	17°35	M 8
T 9	5 11 30	17°1'30	7♏5	5°34	2°5	4°22	13°50	13°43	17°20	7°59	27°50	16°14	14°36	0°23	17°34	T 9
W10	5 15 26	18°2'28	18°59	6°57	2°54	5°8	14°4	13°49	17°19	7°57	27°51	16°9	14°33	0°29	17°33	W10
T 11	5 19 23	19°3'27	1♏1	8°18	3°44	5°54	14°17	13°56	17°18	7°56	27°52	16°2	14°29	0°36	17°32	T 11
F 12	5 23 19	20°4'28	13°13	9°37	4°34	6°39	14°31	14°2	17°17	7°55	27°53	15°51	14°26	0°42	17°31	F 12
S 13	5 27 16	21°5'29	25°38	10°53	5°26	7°25	14°44	14°8	17°16	7°54	27°53	15°39	14°23	0°49	17°29	S 13
S 14	5 31 13	22°6'31	8♏14	12°8	6°18	8°11	14°57	14°14	17°14	7°53	27°54	15°27	14°20	0°56	17°28	S 14
M15	5 35 9	23°7'34	21°2	13°19	7°10	8°57	15°11	14°21	17°13	7°52	27°55	15°14	14°17	1°2	17°27	M15
T 16	5 39 6	24°8'38	4♏2	14°27	8°4	9°43	15°24	14°27	17°12	7°51	27°56	15°4	14°14	1°9	17°25	T 16
W17	5 43 2	25°9'42	17°14	15°31	8°58	10°29	15°38	14°33	17°11	7°50	27°57	14°56	14°10	1°16	17°23	W17
T 18	5 46 59	26°10'46	0♏36	16°31	9°53	11°15	15°51	14°39	17°10	7°49	27°58	14°50	14°7	1°22	17°21	T 18
F 19	5 50 55	27°11'51	14°11	17°25	10°48	12°1	16°5	14°45	17°8	7°48	27°59	14°48	14°4	1°29	17°19	F 19
S 20	5 54 52	28°12'55	27°58	18°13	11°44	12°47	16°18	14°51	17°7	7°47	28°0	14°D47	14°1	1°36	17°17	S 20
S 21	5 58 49	29°14'01	11°Υ59	18°55	12°40	13°33	16°31	14°57	17°5	7°46	28°1	14°R47	13°58	1°42	17°15	S 21
M22	6 2 45	0♏15'06	26°12	19°29	13°38	14°20	16°45	15°2	17°4	7°45	28°2	14°47	13°54	1°49	17°13	M22
T 23	6 6 42	1°16'12	10♏38	19°54	14°35	15°6	16°58	15°8	17°2	7°44	28°3	14°45	13°51	1°56	17°11	T 23
W24	6 10 38	2°17'18	25°12	20°10	15°33	15°52	17°11	15°14	17°1	7°43	28°4	14°40	13°48	2°2	17°9	W24
T 25	6 14 35	3°18'24	9♏50	20°R16	16°32	16°39	17°25	15°20	16°59	7°42	28°5	14°32	13°45	2°9	17°6	T 25
F 26	6 18 31	4°19'30	24°25	20°11	17°31	17°25	17°38	15°25	16°57	7°42	28°6	14°22	13°42	2°16	17°4	F 26
S 27	6 22 28	5°20'37	8♏50	19°54	18°31	18°11	17°51	15°31	16°56	7°41	28°7	14°9	13°39	2°22	17°1	S 27
S 28	6 26 24	6°21'44	22°57	19°25	19°31	18°58	18°4	15°36	16°54	7°40	28°8	13°57	13°35	2°29	16°58	S 28
M29	6 30 21	7°22'52	6♏42	18°45	20°32	19°44	18°18	15°41	16°52	7°39	28°10	13°45	13°32	2°36	16°55	M29
T 30	6 34 18	8°24'00	20°3	17°53	21°33	20°31	18°31	15°47	16°50	7°39	28°11	13°36	13°29	2°42	16°52	T 30
W31	6 38 14	9♏25'08	2♏58	16♏52	22♏34	21♏17	18♏44	15♏52	16°Ω48	7♏38	28°R12	13°Υ29	13°Υ26	2♏49	16°Ω50	W31

Delta T = 72.58 sec