



Astrodienst Ephemeris Tables for the year 2275

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 2275

geocentric

JANUARY 2275

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	6 41 28	10° 7' 12"	12° 48' 48"	19° 5' 5"	2° 49' 49"	0° 34' 34"	21° 24' 24"	7° 34' 34"	18° 45' 45"	11° 52' 52"	7° 46' 46"	26° 55' 55"	26° 18' 18"	22° 48' 48"	3° 18' 18"	F 1
S 2	6 45 24	11° 8' 20"	24° 42' 42"	20° 21' 21"	4° 2' 2"	0° 32' 32"	21° 16' 16"	7° 36' 36"	18° 44' 44"	11° 52' 52"	7° 48' 48"	26° 44' 44"	26° 15' 15"	22° 55' 55"	3° 18' 18"	S 2
S 3	6 49 21	12° 9' 29"	6° 40' 40"	21° 39' 39"	5° 15' 15"	0° 31' 31"	21° 8' 8"	7° 37' 37"	18° 43' 43"	11° 53' 53"	7° 49' 49"	26° 36' 36"	26° 12' 12"	23° 1' 1'	3° 1' 1'	S 3
M 4	6 53 17	13° 10' 38"	18° 45' 45"	22° 58' 58"	6° 28' 28"	0° 31' 31"	21° 0' 0"	7° 39' 39"	18° 42' 42"	11° 53' 53"	7° 51' 51"	26° 31' 31"	26° 9' 9"	23° 8' 8"	3° 1' 1'	M 4
T 5	6 57 14	14° 11' 46"	1° 3' 3"	24° 18' 18"	7° 41' 41"	0° 32' 32"	20° 52' 52"	7° 40' 40"	18° 40' 40"	11° 53' 53"	7° 53' 53"	26° 28' 28"	26° 6' 6"	23° 15' 15"	3° 0' 0'	T 5
W 6	7 1 11	15° 12' 55"	13° 38' 38"	25° 40' 40"	8° 54' 54"	0° 33' 33"	20° 44' 44"	7° 42' 42"	18° 39' 39"	11° 54' 54"	7° 55' 55"	26° 27' 27"	26° 3' 3"	23° 22' 22"	3° 0' 0'	W 6
T 7	7 5 7	16° 14' 03"	26° 34' 34"	27° 2' 2"	10° 8' 8"	0° 35' 35"	20° 36' 36"	7° 43' 43"	18° 38' 38"	11° 54' 54"	7° 57' 57"	26° 28' 28"	25° 59' 59"	23° 28' 28"	2° 59' 59"	T 7
F 8	7 9 4	17° 15' 11"	9° 56' 56"	28° 26' 26"	11° 21' 21"	0° 38' 38"	20° 28' 28"	7° 44' 44"	18° 37' 37"	11° 54' 54"	7° 58' 58"	26° 27' 27"	25° 56' 56"	23° 35' 35"	2° 59' 59"	F 8
S 9	7 13 0	18° 16' 19"	23° 47' 47"	29° 50' 50"	12° 34' 34"	0° 41' 41"	20° 20' 20"	7° 45' 45"	18° 36' 36"	11° 54' 54"	8° 0' 0'	26° 25' 25"	25° 53' 53"	23° 42' 42"	2° 59' 59"	S 9
S 10	7 16 57	19° 17' 27"	8° 11' 11"	13° 48' 48"	1° 15' 15"	0° 46' 46"	20° 12' 12"	7° 46' 46"	18° 36' 36"	11° 54' 54"	8° 2' 2"	26° 20' 20"	25° 50' 50"	23° 49' 49"	2° 59' 59"	S 10
M 11	7 20 53	20° 18' 34"	22° 57' 57"	2° 41' 41"	15° 1' 1"	0° 51' 51"	20° 4' 4"	7° 46' 46"	18° 35' 35"	11° 54' 54"	8° 4' 4"	26° 12' 12"	25° 47' 47"	23° 55' 55"	2° 58' 58"	M 11
T 12	7 24 50	21° 19' 42"	8° 7' 7"	4° 8' 8"	16° 14' 14"	0° 56' 56"	19° 56' 56"	7° 47' 47"	18° 34' 34"	11° 54' 54"	8° 6' 6"	26° 2' 2"	25° 43' 43"	24° 2' 2"	2° 58' 58"	T 12
W 13	7 28 46	22° 20' 48"	23° 29' 29"	5° 35' 35"	17° 28' 28"	1° 3' 3"	19° 47' 47"	7° 47' 47"	18° 33' 33"	11° 54' 54"	8° 7' 7"	25° 51' 51"	25° 40' 40"	24° 9' 9"	2° 58' 58"	W 13
T 14	7 32 43	23° 21' 55"	8° 51' 51"	7° 3' 3"	18° 42' 42"	1° 10' 10"	19° 39' 39"	7° 48' 48"	18° 33' 33"	11° 54' 54"	8° 9' 9"	25° 39' 39"	25° 37' 37"	24° 15' 15"	2° 58' 58"	T 14
F 15	7 36 40	24° 23' 02"	24° 1' 1"	8° 32' 32"	19° 55' 55"	1° 18' 18"	19° 31' 31"	7° 48' 48"	18° 32' 32"	11° 54' 54"	8° 11' 11"	25° 29' 29"	25° 34' 34"	24° 22' 22"	2° 58' 58"	F 15
S 16	7 40 36	25° 24' 08"	8° 49' 49"	10° 1' 1"	21° 9' 9"	1° 26' 26"	19° 23' 23"	7° 48' 48"	18° 31' 31"	11° 54' 54"	8° 13' 13"	25° 21' 21"	25° 31' 31"	24° 29' 29"	2° 59' 59"	S 16
S 17	7 44 33	26° 25' 14"	23° 10' 10"	11° 31' 31"	22° 22' 22"	1° 35' 35"	19° 15' 15"	7° 48' 48"	18° 31' 31"	11° 54' 54"	8° 15' 15"	25° 15' 15"	25° 28' 28"	24° 36' 36"	2° 59' 59"	S 17
M 18	7 48 29	27° 26' 21"	7° 1' 1"	13° 1' 1"	23° 36' 36"	1° 45' 45"	19° 7' 7"	7° 48' 48"	18° 30' 30"	11° 54' 54"	8° 17' 17"	25° 13' 13"	25° 24' 24"	24° 42' 42"	2° 59' 59"	M 18
T 19	7 52 26	28° 27' 27"	20° 23' 23"	14° 32' 32"	24° 50' 50"	1° 55' 55"	18° 59' 59"	7° 48' 48"	18° 30' 30"	11° 54' 54"	8° 19' 19"	25° 12' 12"	25° 21' 21"	24° 49' 49"	2° 59' 59"	T 19
W 20	7 56 22	29° 28' 33"	3° 11' 11"	16° 3' 3"	26° 4' 4"	2° 6' 6"	18° 52' 52"	7° 48' 48"	18° 30' 30"	11° 54' 54"	8° 21' 21"	25° 12' 12"	25° 18' 18"	24° 56' 56"	3° 0' 0'	W 20
T 21	8 0 19	0° 29' 39"	15° 55' 55"	17° 35' 35"	27° 18' 18"	2° 17' 17"	18° 44' 44"	7° 48' 48"	18° 29' 29"	11° 53' 53"	8° 22' 22"	25° 12' 12"	25° 15' 15"	25° 2' 2"	3° 0' 0'	T 21
F 22	8 4 15	1° 30' 45"	28° 13' 13"	19° 7' 7"	28° 31' 31"	2° 29' 29"	18° 36' 36"	7° 47' 47"	18° 29' 29"	11° 53' 53"	8° 24' 24"	25° 9' 9"	25° 12' 12"	25° 9' 9"	3° 1' 1'	F 22
S 23	8 8 12	2° 31' 50"	10° 17' 17"	20° 40' 40"	29° 45' 45"	2° 42' 42"	18° 28' 28"	7° 46' 46"	18° 29' 29"	11° 53' 53"	8° 26' 26"	25° 4' 4"	25° 9' 9"	25° 16' 16"	3° 1' 1'	S 23
S 24	8 12 9	3° 32' 56"	22° 18' 18"	22° 14' 14"	0° 59' 59"	2° 55' 55"	18° 21' 21"	7° 46' 46"	18° 29' 29"	11° 52' 52"	8° 28' 28"	24° 56' 56"	25° 5' 5"	25° 23' 23"	3° 2' 2"	S 24
M 25	8 16 5	4° 34' 01"	4° 31' 31"	23° 48' 48"	2° 13' 13"	3° 9' 9"	18° 13' 13"	7° 45' 45"	18° 28' 28"	11° 52' 52"	8° 30' 30"	24° 45' 45"	25° 2' 2"	25° 29' 29"	3° 3' 3"	M 25
T 26	8 20 2	5° 35' 05"	16° 4' 4"	25° 22' 22"	3° 27' 27"	3° 23' 23"	18° 6' 6"	7° 44' 44"	18° 28' 28"	11° 52' 52"	8° 32' 32"	24° 31' 31"	24° 59' 59"	25° 36' 36"	3° 4' 4"	T 26
W 27	8 23 58	6° 36' 09"	27° 56' 56"	26° 57' 57"	4° 41' 41"	3° 38' 38"	17° 58' 58"	7° 43' 43"	18° 28' 28"	11° 51' 51"	8° 34' 34"	24° 17' 17"	24° 56' 56"	25° 43' 43"	3° 4' 4"	W 27
T 28	8 27 55	7° 37' 12"	9° 49' 49"	28° 33' 33"	5° 55' 55"	3° 53' 53"	17° 51' 51"	7° 42' 42"	18° 28' 28"	11° 51' 51"	8° 36' 36"	24° 2' 2"	24° 53' 53"	25° 50' 50"	3° 5' 5"	T 28
F 29	8 31 51	8° 38' 14"	21° 44' 44"	0° 9' 9"	7° 9' 9"	4° 9' 9"	17° 44' 44"	7° 41' 41"	18° 29' 29"	11° 50' 50"	8° 38' 38"	23° 48' 48"	24° 49' 49"	25° 56' 56"	3° 6' 6"	F 29
S 30	8 35 48	9° 39' 16"	3° 44' 44"	1° 46' 46"	8° 23' 23"	4° 25' 25"	17° 37' 37"	7° 39' 39"	18° 29' 29"	11° 50' 50"	8° 40' 40"	23° 37' 37"	24° 46' 46"	26° 3' 3"	3° 7' 7"	S 30
S 31	8 39 44	10° 40' 16"	15° 48' 48"	3° 24' 24"	9° 37' 37"	4° 42' 42"	17° 30' 30"	7° 38' 38"	18° 29' 29"	11° 49' 49"	8° 42' 42"	23° 28' 28"	24° 43' 43"	26° 10' 10"	3° 8' 8"	S 31

Delta T = 256.13 sec

FEBRUARY 2275

00:00 UT

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

ASTRODIENST EPHEMERIS for the year 2275

geocentric

MARCH 2275

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	10 34 5	10°49'	7°28'	24°33'	15°30'	15°28'	15°15'	6°16'	18°57'	11°20'	9°35'	21°17'	23°11'	29°25'	4°3'	M 1
T 2	10 38 1	11°1'11"	20°4'	26°15'	16°45'	15°55'	15°13'	6°12'	18°59'	11°19'	9°36'	21°D16	23°8'	29°31'	4°5'	T 2
W 3	10 41 58	12°1'32"	2°53'	27°53'	17°59'	16°22'	15°11'	6°8'	19°1'	11°17'	9°38'	21°17'	23°5'	29°38'	4°8'	W 3
T 4	10 45 54	13°1'50"	15°56'	29°28'	19°13'	16°49'	15°10'	6°4'	19°3'	11°16'	9°40'	21°18'	23°1'	29°45'	4°10'	T 4
F 5	10 49 51	14°2'07"	29°15'	0°59'	20°28'	17°16'	15°8'	5°59'	19°4'	11°14'	9°41'	21°20'	22°58'	29°52'	4°13'	F 5
S 6	10 53 47	15°2'21"	12°52'	2°25'	21°42'	17°44'	15°7'	5°55'	19°6'	11°13'	9°43'	21°R21	22°55'	29°58'	4°16'	S 6
S 7	10 57 44	16°2'34"	26°49'	3°45'	22°56'	18°11'	15°6'	5°51'	19°8'	11°12'	9°44'	21°20'	22°52'	0°5'	4°19'	S 7
M 8	11 1 140	17°2'44"	11°6'	5°0'	24°11'	18°39'	15°6'	5°47'	19°10'	11°10'	9°46'	21°18'	22°49'	0°12'	4°22'	M 8
T 9	11 5 37	18°2'52"	25°39'	6°8'	25°25'	19°7'	15°5'	5°42'	19°12'	11°9'	9°48'	21°15'	22°46'	0°18'	4°25'	T 9
W10	11 9 34	19°2'59"	10°25'	7°10'	26°40'	19°35'	15°5'	5°38'	19°14'	11°7'	9°49'	21°10'	22°42'	0°25'	4°27'	W10
T 11	11 13 30	20°3'03"	25°17'	8°3'	27°54'	20°4'	15°D 4'	5°33'	19°16'	11°6'	9°51'	21°5'	22°39'	0°32'	4°30'	T 11
F 12	11 17 27	21°3'05"	10°7'	8°49'	29°8'	20°32'	15°4'	5°29'	19°19'	11°4'	9°52'	21°1'	22°36'	0°39'	4°33'	F 12
S 13	11 21 23	22°3'05"	24°47'	9°27'	0°23'	21°1'	15°5'	5°24'	19°21'	11°3'	9°54'	20°58'	22°33'	0°45'	4°36'	S 13
S 14	11 25 20	23°3'03"	9°9'	9°55'	1°37'	21°30'	15°5'	5°20'	19°23'	11°1'	9°55'	20°56'	22°30'	0°52'	4°40'	S 14
M15	11 29 16	24°3'00"	23°9'	10°15'	2°51'	21°59'	15°6'	5°15'	19°25'	10°59'	9°57'	20°D55	22°26'	0°59'	4°43'	M15
T 16	11 33 13	25°2'55"	6°45'	10°26'	4°6'	22°28'	15°7'	5°11'	19°28'	10°58'	9°58'	20°56'	22°23'	1°6'	4°46'	T 16
W17	11 37 9	26°2'48"	19°55'	10°R29	5°20'	22°57'	15°8'	5°6'	19°30'	10°56'	10°0'	20°58'	22°20'	1°12'	4°49'	W17
T 18	11 41 6	27°2'39"	2°42'	10°22'	6°34'	23°27'	15°9'	5°2'	19°32'	10°55'	10°1'	20°59'	22°17'	1°19'	4°52'	T 18
F 19	11 45 2	28°2'29"	15°8'	10°7'	7°49'	23°57'	15°10'	4°57'	19°35'	10°53'	10°2'	21°1'	22°14'	1°26'	4°55'	F 19
S 20	11 48 59	29°2'17"	27°20'	9°45'	9°3'	24°26'	15°12'	4°52'	19°37'	10°52'	10°4'	21°R 1	22°11'	1°32'	4°59'	S 20
S 21	11 52 56	0°2'04"	9°20'	9°15'	10°17'	24°56'	15°13'	4°47'	19°40'	10°50'	10°5'	21°1'	22°7'	1°39'	5°2'	S 21
M22	11 56 52	1°1'48"	21°13'	8°38'	11°32'	25°26'	15°15'	4°43'	19°42'	10°48'	10°7'	21°0'	22°4'	1°46'	5°5'	M22
T 23	12 0 49	2°1'31"	3°5'	7°56'	12°46'	25°57'	15°18'	4°38'	19°45'	10°47'	10°8'	20°57'	22°1'	1°53'	5°9'	T 23
W24	12 4 45	3°1'13"	14°58'	7°9'	14°0'	26°27'	15°20'	4°33'	19°47'	10°45'	10°9'	20°55'	21°58'	1°59'	5°12'	W24
T 25	12 8 42	4°0'52"	26°58'	6°18'	15°15'	26°57'	15°22'	4°29'	19°50'	10°43'	10°10'	20°52'	21°55'	2°6'	5°16'	T 25
F 26	12 12 38	5°0'30"	9°6'	5°25'	16°29'	27°28'	15°25'	4°24'	19°53'	10°42'	10°12'	20°49'	21°51'	2°13'	5°19'	F 26
S 27	12 16 35	6°0'05"	21°25'	4°31'	17°43'	27°59'	15°28'	4°19'	19°55'	10°40'	10°13'	20°47'	21°48'	2°19'	5°22'	S 27
S 28	12 20 31	6°59'39"	3°56'	3°37'	18°57'	28°29'	15°31'	4°14'	19°58'	10°38'	10°14'	20°46'	21°45'	2°26'	5°26'	S 28
M29	12 24 28	7°59'11"	16°40'	2°44'	20°12'	29°0'	15°34'	4°10'	20°1'	10°37'	10°15'	20°D45	21°42'	2°33'	5°29'	M29
T 30	12 28 25	8°58'40"	29°37'	1°53'	21°26'	29°32'	15°38'	4°5'	20°4'	10°35'	10°16'	20°46'	21°39'	2°40'	5°33'	T 30
W31	12 32 21	9°58'08"	12°47'	1°4'	22°40'	0°3'	15°41'	4°0'	20°6'	10°33'	10°18'	20°46'	21°36'	2°46'	5°37'	W31

Delta T = 256.38 sec

APRIL 2275

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 36 18	10°57'33"	26°11'	0°R20	23°55'	0°34'	15°45'	3°R56	20°9'	10°R32	10°19'	20°47'	21°32'	2°53'	5°44'	T 1
F 2	12 40 14	11°56'57"	9°11'	29°40'	25°9'	1°5'	15°49'	3°51'	20°12'	10°30'	10°20'	20°48'	21°29'	3°0'	5°44'	F 2
S 3	12 44 11	12°56'18"	23°36'	29°5'	26°23'	1°37'	15°53'	3°46'	20°15'	10°28'	10°21'	20°49'	21°26'	3°7'	5°47'	S 3
S 4	12 48 7	13°55'36"	7°35'	28°35'	27°37'	2°9'	15°58'	3°42'	20°18'	10°27'	10°22'	20°49'	21°23'	3°13'	5°51'	S 4
M 5	12 52 4	14°54'53"	21°45'	28°10'	28°52'	2°40'	16°2'	3°37'	20°21'	10°25'	10°23'	20°R49	21°20'	3°20'	5°55'	M 5
T 6	12 56 0	15°54'07"	6°2'	27°51'	0°6'	3°12'	16°7'	3°33'	20°24'	10°24'	10°24'	20°49'	21°17'	3°27'	5°58'	T 6
W 7	12 59 57	16°53'18"	20°24'	27°38'	1°20'	3°44'	16°12'	3°28'	20°27'	10°22'	10°25'	20°48'	21°13'	3°33'	6°2'	W 7
T 8	13 3 54	17°52'27"	4°48'	27°31'	2°34'	4°16'	16°17'	3°24'	20°30'	10°20'	10°26'	20°48'	21°10'	3°40'	6°6'	T 8
F 9	13 7 50	18°51'34"	19°9'	27°D29	3°48'	4°48'	16°22'	3°19'	20°33'	10°19'	10°27'	20°48'	21°7'	3°47'	6°10'	F 9
S 10	13 11 47	19°50'39"	3°23'	27°32'	5°3'	5°20'	16°27'	3°15'	20°36'	10°17'	10°28'	20°48'	21°4'	3°54'	6°13'	S 10
S 11	13 15 43	20°49'42"	17°24'	27°41'	6°17'	5°53'	16°33'	3°10'	20°39'	10°15'	10°28'	20°47'	21°1'	4°0'	6°17'	S 11
M12	13 19 40	21°48'42"	1°9'	27°55'	7°31'	6°25'	16°38'	3°6'	20°42'	10°14'	10°29'	20°47'	20°57'	4°7'	6°21'	M12
T 13	13 23 36	22°47'41"	14°35'	28°14'	8°45'	6°58'	16°44'	3°2'	20°45'	10°12'	10°30'	20°47'	20°54'	4°14'	6°25'	T 13
W14	13 27 33	23°46'38"	27°42'	28°38'	9°59'	7°30'	16°50'	2°57'	20°49'	10°11'	10°31'	20°47'	20°51'	4°20'	6°28'	W14
T 15	13 31 29	24°45'33"	10°29'	29°7'	11°13'	8°3'	16°56'	2°53'	20°52'	10°9'	10°32'	20°47'	20°48'	4°27'	6°32'	T 15
F 16	13 35 26	25°44'26"	22°58'	29°39'	12°27'	8°35'	17°2'	2°49'	20°55'	10°7'	10°32'	20°46'	20°45'	4°34'	6°36'	F 16
S 17	13 39 22	26°43'18"	5°12'	0°16'	13°42'	9°8'	17°9'	2°45'	20°58'	10°6'	10°33'	20°46'	20°42'	4°41'	6°40'	S 17
S 18	13 43 19	27°42'08"	17°14'	0°56'	14°56'	9°41'	17°15'	2°41'	21°1'	10°4'	10°34'	20°45'	20°38'	4°47'	6°44'	S 18
M19	13 47 16	28°40'56"	29°10'	1°41'	16°10'	10°14'	17°22'	2°37'	21°5'	10°3'	10°34'	20°D45	20°35'	4°54'	6°48'	M19
T 20	13 51 12	29°39'42"	11°2'	2°28'	17°24'	10°47'	17°29'	2°33'	21°8'	10°1'	10°35'	20°45'	20°32'	5°1'	6°51'	T 20
W21	13 55 9	0°38'27"	22°57'	3°19'	18°38'	11°20'	17°36'	2°29'	21°11'	10°0'	10°36'	20°46'	20°29'	5°7'	6°55'	W21
T 22	13 59 5	1°37'09"	4°58'	4°14'	19°52'	11°53'	17°43'	2°25'	21°15'	9°58'	10°36'	20°47'	20°26'	5°14'	6°59'	T 22
F 23	14 3 2	2°35'50"	17°10'	5°11'	21°6'	12°26'	17°50'	2°21'	21°18'	9°57'	10°37'	20°48'	20°23'	5°21'	7°3'	F 23
S 24	14 6 58	3°34'30"	29°36'	6°11'	22°20'	13°0'	17°57'	2°18'	21°21'	9°55'	10°37'	20°49'	20°19'	5°28'	7°7'	S 24
S 25	14 10 55	4°33'07"	12°19'	7°14'	23°34'	13°33'	18°5'	2°14'	21°25'	9°54'	10°38'	20°50'	20°16'	5°34'	7°11'	S 25
M26	14 14 51	5°31'43"	25°20'	8°20'	24°48'	14°6'	18°13'	2°10'	21°28'	9°52'	10°38'	20°R50	20°13'	5°41'	7°15'	M26
T 27	14 18 48	6°30'17"	8°39'	9°28'	26°2'	14°40'	18°20'	2°7'	21°31'	9°51'	10°39'	20°49'	20°10'	5°48'	7°19'	T 27
W28	14 22 45	7°28'49"	22°15'	10°38'	27°17'	15°13'	18°28'	2°3'	21°35'	9°49'	10°39'	20°48'	20°7'	5°54'	7°22'	W28
T 29	14 26 41	8°27'20"	6°11'	11°51'	28°31'	15°47'	18°36'	2°0'	21°38'	9°48'	10°39'	20°45'	20°3'	6°1'	7°26'	T 29
F 30	14 30 38	9°25'48"	20°11'	13°7'	29°45'	16°21'	18°45'	1°57'	21°42'	9°46'	10°40'	20°43'	20°0'	6°8'	7°30'	F 30

Delta T = 256.51 sec

ASTRODIENST EPHEMERIS for the year 2275

geocentric

MAY 2275

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 34 34	10♌24'14	4♌18	14♌24	0♌59	16♌54	18♌53	1°R54	21♌45	9°R45	10♌40	20°R41	19♌57	6♌15	7♌34	S 1
S 2	14 38 31	11°22'38	18°33	15°44	2°13	17°28	19° 1	1♌51	21°48	9♌44	10°40	20♌39	19°54	6°21	7°38	S 2
M 3	14 42 27	12°21'00	2♌48	17° 6	3°27	18° 2	19°10	1°48	21°52	9°42	10°41	20°37	19°51	6°28	7°42	M 3
T 4	14 46 24	13°19'20	17° 1	18°29	4°41	18°36	19°19	1°45	21°55	9°41	10°41	20°D37	19°48	6°35	7°46	T 4
W 5	14 50 20	14°17'38	1♌10	19°55	5°55	19°10	19°27	1°42	21°59	9°40	10°41	20°38	19°44	6°41	7°50	W 5
T 6	14 54 17	15°15'53	15°12	21°23	7° 8	19°44	19°36	1°39	22° 2	9°38	10°41	20°39	19°41	6°48	7°53	T 6
F 7	14 58 14	16°14'07	29° 7	22°53	8°22	20°18	19°45	1°36	22° 6	9°37	10°41	20°41	19°38	6°55	7°57	F 7
S 8	15 2 10	17°12'18	12♌52	24°25	9°36	20°52	19°54	1°34	22° 9	9°36	10°42	20°42	19°35	7° 2	8° 1	S 8
S 9	15 6 7	18°10'28	26°26	25°59	10°50	21°26	20° 4	1°31	22°13	9°35	10°42	20°R42	19°32	7° 8	8° 5	S 9
M10	15 10 3	19° 8'36	9♌48	27°34	12° 4	22° 0	20°13	1°29	22°16	9°34	10°42	20°40	19°28	7°15	8° 9	M10
T 11	15 14 0	20° 6'42	22°56	29°12	13°18	22°35	20°22	1°26	22°19	9°32	10°42	20°38	19°25	7°22	8°13	T 11
W12	15 17 56	21° 4'47	5♌50	0♌52	14°32	23° 9	20°32	1°24	22°23	9°31	10°R42	20°34	19°22	7°29	8°17	W12
T 13	15 21 53	22° 2'50	18°29	2°33	15°46	23°43	20°42	1°22	22°26	9°30	10°42	20°29	19°19	7°35	8°20	T 13
F 14	15 25 49	23° 0'52	0♌54	4°16	17° 0	24°18	20°51	1°20	22°30	9°29	10°42	20°23	19°16	7°42	8°24	F 14
S 15	15 29 46	23°58'52	13° 6	6° 2	18°14	24°52	21° 1	1°18	22°33	9°28	10°42	20°18	19°13	7°49	8°28	S 15
S 16	15 33 43	24°56'51	25° 8	7°49	19°28	25°27	21°11	1°16	22°37	9°27	10°42	20°13	19° 9	7°55	8°32	S 16
M17	15 37 39	25°54'48	7♌ 4	9°38	20°41	26° 1	21°21	1°14	22°40	9°26	10°41	20°10	19° 6	8° 2	8°35	M17
T 18	15 41 36	26°52'44	18°56	11°30	21°55	26°36	21°31	1°13	22°44	9°25	10°41	20° 8	19° 3	8° 9	8°39	T 18
W19	15 45 32	27°50'39	0♌50	13°23	23° 9	27°11	21°42	1°11	22°47	9°24	10°41	20°D 8	19° 0	8°16	8°43	W19
T 20	15 49 29	28°48'32	12°51	15°18	24°23	27°45	21°52	1°10	22°51	9°23	10°41	20° 9	18°57	8°22	8°47	T 20
F 21	15 53 25	29°46'25	25° 3	17°15	25°37	28°20	22° 2	1° 8	22°54	9°22	10°41	20°10	18°54	8°29	8°50	F 21
S 22	15 57 22	0♌44'16	7♌32	19°14	26°51	28°55	22°13	1° 7	22°58	9°21	10°40	20°12	18°50	8°36	8°54	S 22
S 23	16 1 18	1°42'06	20°20	21°14	28° 4	29°30	22°24	1° 6	23° 1	9°20	10°40	20°R12	18°47	8°42	8°58	S 23
M24	16 5 15	2°39'54	3♌31	23°17	29°18	0♌ 4	22°34	1° 5	23° 5	9°19	10°40	20°11	18°44	8°49	9° 1	M24
T 25	16 9 12	3°37'42	17° 6	25°21	0♌32	0°39	22°45	1° 4	23° 8	9°18	10°40	20° 9	18°41	8°56	9° 5	T 25
W26	16 13 8	4°35'28	1♌ 4	27°27	1°46	1°14	22°56	1° 3	23°11	9°18	10°39	20° 4	18°38	9° 3	9° 9	W26
T 27	16 17 5	5°33'13	15°21	29°34	3° 0	1°49	23° 7	1° 2	23°15	9°17	10°39	19°58	18°34	9° 9	9°12	T 27
F 28	16 21 1	6°30'57	29°51	1♌43	4°14	2°24	23°18	1° 2	23°18	9°16	10°38	19°51	18°31	9°16	9°16	F 28
S 29	16 24 58	7°28'39	14♌29	3°52	5°27	2°59	23°29	1° 1	23°22	9°15	10°38	19°44	18°28	9°23	9°19	S 29
S 30	16 28 54	8°26'20	29° 6	6° 3	6°41	3°35	23°40	1° 0	23°25	9°15	10°37	19°37	18°25	9°29	9°23	S 30
M31	16 32 51	9♌24'00	13♌37	8♌14	7♌55	4♌10	23♌51	1♌ 0	23♌28	9♌14	10♌37	19♌33	18♌22	9♌36	9♌26	M31

Delta T = 256.63 sec

JUNE 2275

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 36 47	10♌21'37	27♌58	10♌26	9♌ 9	4♌45	24♌ 3	1°R 0	23♌32	9°R13	10°R36	19°R30	18♌19	9♌43	9♌30	T 1
W 2	16 40 44	11°19'14	12♌ 4	12°38	10°23	5°20	24°14	1° 0	23°35	9♌13	10°36	19°D30	18°15	9°50	9°33	W 2
T 3	16 44 41	12°16'48	25°56	14°50	11°36	5°55	24°26	1°D 0	23°38	9°12	10°35	19°D30	18°12	9°56	9°37	T 3
F 4	16 48 37	13°14'22	9♌34	17° 1	12°50	6°31	24°37	1° 0	23°42	9°12	10°35	19°31	18° 9	10° 3	9°40	F 4
S 5	16 52 34	14°11'54	22°58	19°12	14° 4	7° 6	24°49	1° 0	23°45	9°11	10°34	19°R32	18° 6	10°10	9°43	S 5
S 6	16 56 30	15° 9'24	6♌ 9	21°22	15°18	7°41	25° 0	1° 0	23°48	9°11	10°33	19°30	18° 3	10°16	9°47	S 6
M 7	17 0 27	16° 6'54	19° 8	23°31	16°31	8°17	25°12	1° 0	23°52	9°10	10°33	19°27	18° 0	10°23	9°50	M 7
T 8	17 4 23	17° 4'22	1♌56	25°39	17°45	8°52	25°24	1° 1	23°55	9°10	10°32	19°21	17°56	10°30	9°53	T 8
W 9	17 8 20	18° 1'50	14°33	27°45	18°59	9°28	25°36	1° 1	23°58	9°10	10°31	19°12	17°53	10°37	9°57	W 9
T 10	17 12 16	18°59'16	26°59	29°49	20°13	10° 3	25°48	1° 2	24° 1	9° 9	10°31	19° 2	17°50	10°43	10° 0	T 10
F 11	17 16 13	19°56'42	9♌14	19°51	21°26	10°39	26° 0	1° 3	24° 5	9° 9	10°30	18°51	17°47	10°50	10° 3	F 11
S 12	17 20 10	20°54'06	21°21	3°52	22°40	11°14	26°12	1° 4	24° 8	9° 9	10°29	18°40	17°44	10°57	10° 6	S 12
S 13	17 24 6	21°51'30	3♌19	5°50	23°54	11°50	26°24	1° 5	24°11	9° 8	10°28	18°30	17°40	11° 3	10° 9	S 13
M14	17 28 3	22°48'54	15°13	7°46	25° 8	12°26	26°36	1° 6	24°14	9° 8	10°28	18°22	17°37	11°10	10°12	M14
T 15	17 31 59	23°46'16	27° 3	9°39	26°21	13° 1	26°48	1° 7	24°17	9° 8	10°27	18°17	17°34	11°17	10°16	T 15
W16	17 35 56	24°43'38	8♌56	11°30	27°35	13°37	27° 0	1° 8	24°20	9° 8	10°26	18°13	17°31	11°24	10°19	W16
T 17	17 39 52	25°41'00	20°55	13°19	28°49	14°13	27°13	1°10	24°24	9° 8	10°25	18°D12	17°28	11°30	10°22	T 17
F 18	17 43 49	26°38'21	3♌ 5	15° 5	0♌ 2	14°49	27°25	1°11	24°27	9° 8	10°24	18°12	17°25	11°37	10°25	F 18
S 19	17 47 45	27°35'41	15°32	16°49	1°16	15°25	27°37	1°13	24°30	9° 8	10°23	18°R12	17°21	11°44	10°27	S 19
S 20	17 51 42	28°33'02	28°20	18°31	2°30	16° 0	27°50	1°14	24°33	9°D 8	10°22	18°12	17°18	11°50	10°30	S 20
M21	17 55 39	29°30'22	11♌34	20° 9	3°44	16°36	28° 2	1°16	24°36	9° 8	10°21	18°10	17°15	11°57	10°33	M21
T 22	17 59 35	0♌27'41	25°16	21°46	4°57	17°12	28°15	1°18	24°39	9° 8	10°20	18° 6	17°12	12° 4	10°36	T 22
W23	18 3 32	1°25'01	9♌25	23°19	6°11	17°48	28°27	1°20	24°42	9° 8	10°19	17°59	17° 9	12°10	10°39	W23
T 24	18 7 28	2°22'19	23°58	24°51	7°25	18°24	28°40	1°22	24°45	9° 8	10°18	17°50	17° 6	12°17	10°42	T 24
F 25	18 11 25	3°19'38	8♌50	26°19	8°39	19° 0	28°53	1°24	24°47	9° 8	10°17	17°39	17° 2	12°24	10°44	F 25
S 26	18 15 21	4°16'56	23°51	27°45	9°52	19°36	29° 5	1°26	24°50	9° 8	10°16	17°29	16°59	12°31	10°47	S 26
S 27	18 19 18	5°14'13	8♌52	29° 9	11° 6	20°12	29°18	1°29	24°53	9° 8	10°15	17°19	16°56	12°37	10°50	S 27
M28	18 23 14	6°11'30	23°43	0♌29	12°20	20°49	29°31	1°31	24°56	9° 8	10°14	17°12	16°53	12°44	10°52	M28
T 29	18 27 11	7° 8'46	8♌18	1°47	13°33	21°25	29°44	1°34	24°59	9° 9	10°13	17° 7	16°50	12°51	10°55	T 29
W30	18 31 8	8♌ 6'01	22♌33	3♌ 2	14♌47	22♌ 1	29♌56	1♌36	25♌ 2	9♌ 9	10♌12	17♌ 5	16♌46	12♌57	10♌57	W30

Delta T = 256.76 sec

ASTRODIENST EPHEMERIS for the year 2275

geocentric

JULY 2275

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	18 35 4	9 ⁵⁵ 3'16	6 ⁴⁵ 25	4 ⁰¹ 15	16 ⁵⁸ 1	22 ⁰¹ 37	0 ⁰¹ 9	1 ⁴³ 39	25 ⁰⁸ 4	9 ⁴⁵ 9	10 ⁰⁰ R11	17 ⁰⁰ D 5	16 ⁴⁴ 43	13 ⁴⁴ 4	11 ⁰⁸ 0	T 1
F 2	18 39 1	10 ⁰⁰ 0'30	19 ⁰⁵ 57	5 ⁰² 24	17 ¹⁵ 15	23 ¹³ 13	0 ²² 22	1 ⁴² 42	25 ⁰⁷ 7	9 ¹⁰ 10	10 ⁴⁴ 9	17 ⁰⁰ R 5	16 ⁴⁰ 40	13 ¹¹ 11	11 ⁰² 2	F 2
S 3	18 42 57	10 ⁵⁷ 44	3 ¹¹ 10	6 ³¹ 31	18 ²⁸ 28	23 ⁵⁰ 50	0 ³⁵ 35	1 ⁴⁵ 45	25 ¹⁰ 10	9 ¹⁰ 10	10 ⁰⁸ 8	17 ⁴⁵ 4	16 ³⁷ 37	13 ¹⁸ 18	11 ⁰⁴ 4	S 3
S 4	18 46 54	11 ⁵⁴ 57	16 ⁰⁶ 6	7 ³⁴ 34	19 ⁴² 42	24 ²⁶ 26	0 ⁴⁸ 48	1 ⁴⁸ 48	25 ¹² 12	9 ¹¹ 11	10 ⁰⁷ 7	17 ⁰² 2	16 ³⁴ 34	13 ²⁴ 24	11 ⁰⁷ 7	S 4
M 5	18 50 50	12 ⁵² 10	28 ⁴⁹ 49	8 ³⁵ 35	20 ⁵⁶ 56	25 ⁰² 2	1 ⁰¹ 1	1 ⁵¹ 51	25 ¹⁵ 15	9 ¹¹ 11	10 ⁰⁶ 6	16 ⁵⁷ 57	16 ³¹ 31	13 ³¹ 31	11 ⁰⁹ 9	M 5
T 6	18 54 47	13 ⁴⁹ 22	11 ⁴⁷ 20	9 ³² 32	22 ⁰⁹ 9	25 ³⁹ 39	1 ¹⁴ 14	1 ⁵⁴ 54	25 ¹⁷ 17	9 ¹¹ 11	10 ⁰⁵ 5	16 ⁴⁹ 49	16 ²⁷ 27	13 ³⁸ 38	11 ¹¹ 11	T 6
W 7	18 58 43	14 ⁴⁶ 34	23 ⁴² 42	10 ²⁶ 26	23 ²³ 23	26 ¹⁵ 15	1 ²⁷ 27	1 ⁵⁷ 57	25 ²⁰ 20	9 ¹² 12	10 ⁰³ 3	16 ³⁸ 38	16 ²⁴ 24	13 ⁴⁴ 44	11 ¹³ 13	W 7
T 8	19 2 40	15 ⁴³ 46	5 ³⁵ 55	11 ¹⁷ 17	24 ³⁷ 37	26 ⁵² 52	1 ⁴⁰ 40	2 ⁰¹ 1	25 ²³ 23	9 ¹³ 13	10 ⁰² 2	16 ²⁶ 26	16 ²¹ 21	13 ⁵¹ 51	11 ¹⁶ 16	T 8
F 9	19 6 37	16 ⁴⁰ 58	18 ⁰⁰ 0	12 ⁰⁴ 4	25 ⁵¹ 51	27 ²⁸ 28	1 ⁵³ 53	2 ⁰⁴ 4	25 ²⁵ 25	9 ¹³ 13	10 ⁰¹ 1	16 ¹² 12	16 ¹⁸ 18	13 ⁵⁸ 58	11 ¹⁸ 18	F 9
S 10	19 10 33	17 ³⁸ 10	29 ⁵⁹ 59	12 ⁴⁷ 47	27 ⁰⁴ 4	28 ⁰⁵ 5	2 ⁰⁶ 6	2 ⁰⁸ 8	25 ²⁷ 27	9 ¹⁴ 14	10 ⁰⁰ 0	15 ⁵⁹ 59	16 ¹⁵ 15	14 ⁰⁵ 5	11 ²⁰ 20	S 10
S 11	19 14 30	18 ³⁵ 22	11 ⁴⁴ 54	13 ²⁶ 26	28 ¹⁸ 18	28 ⁴¹ 41	2 ²⁰ 20	2 ¹¹ 11	25 ³⁰ 30	9 ¹⁴ 14	9 ⁵⁸ 58	15 ⁴⁷ 47	16 ¹² 12	14 ¹¹ 11	11 ²² 22	S 11
M 12	19 18 26	19 ³² 34	23 ⁴⁵ 45	14 ⁰² 2	29 ³² 32	29 ¹⁸ 18	2 ³³ 33	2 ¹⁵ 15	25 ³² 32	9 ¹⁵ 15	9 ⁵⁷ 57	15 ³⁶ 36	16 ⁰⁸ 8	14 ¹⁸ 18	11 ²⁴ 24	M 12
T 13	19 22 23	20 ²⁹ 46	5 ³⁵ 35	14 ³⁴ 34	0 ⁰⁴ 45	29 ⁵⁴ 54	2 ⁴⁶ 46	2 ¹⁹ 19	25 ³⁵ 35	9 ¹⁶ 16	9 ⁵⁶ 56	15 ²⁸ 28	16 ⁰⁵ 5	14 ²⁵ 25	11 ²⁵ 25	T 13
W 14	19 26 19	21 ²⁶ 58	17 ²⁷ 27	15 ⁰¹ 1	1 ⁵⁹ 59	0 ⁰¹ 31	2 ⁵⁹ 59	2 ²² 22	25 ³⁷ 37	9 ¹⁷ 17	9 ⁵⁴ 54	15 ²⁴ 24	16 ⁰² 2	14 ³¹ 31	11 ²⁷ 27	W 14
T 15	19 30 16	22 ²⁴ 11	29 ²⁵ 25	15 ²⁴ 24	3 ¹³ 13	1 ⁰⁸ 8	3 ¹² 12	2 ²⁶ 26	25 ³⁹ 39	9 ¹⁷ 17	9 ⁵³ 53	15 ²¹ 21	15 ⁵⁹ 59	14 ³⁸ 38	11 ²⁹ 29	T 15
F 16	19 34 12	23 ²¹ 24	11 ⁴⁷ 34	15 ⁴³ 43	4 ²⁶ 26	1 ⁴⁵ 45	3 ²⁶ 26	2 ³⁰ 30	25 ⁴¹ 41	9 ¹⁸ 18	9 ⁵² 52	15 ²⁰ D20	15 ⁵⁶ 56	14 ⁴⁵ 45	11 ³¹ 31	F 16
S 17	19 38 9	24 ¹⁸ 38	23 ⁵⁹ 59	15 ⁵⁷ 57	5 ⁴⁰ 40	2 ²¹ 21	3 ³⁹ 39	2 ³⁵ 35	25 ⁴³ 43	9 ¹⁹ 19	9 ⁵¹ 51	15 ²⁰ R20	15 ⁵² 52	14 ⁵¹ 51	11 ³³ 33	S 17
S 18	19 42 6	25 ¹⁵ 52	6 ⁴⁴ 44	16 ⁰⁷ 7	6 ⁵⁴ 54	2 ⁵⁸ 58	3 ⁵² 52	2 ³⁹ 39	25 ⁴⁶ 46	9 ²⁰ 20	9 ⁴⁹ 49	15 ²⁰ 20	15 ⁴⁹ 49	14 ⁵⁸ 58	11 ³⁴ 34	S 18
M 19	19 46 2	26 ¹³ 07	19 ⁵⁵ 55	16 ¹² 12	8 ⁰⁸ 8	3 ³⁵ 35	4 ⁰⁵ 5	2 ⁴³ 43	25 ⁴⁸ 48	9 ²¹ 21	9 ⁴⁸ 48	15 ¹⁸ 18	15 ⁴⁶ 46	15 ⁰⁵ 5	11 ³⁶ 36	M 19
T 20	19 49 59	27 ¹⁰ 22	3 ¹¹ 34	16 ⁰¹ R12	9 ²¹ 21	4 ¹² 12	4 ¹⁹ 19	2 ⁴⁷ 47	25 ⁵⁰ 50	9 ²² 22	9 ⁴⁶ 46	15 ¹⁴ 14	15 ⁴³ 43	15 ¹² 12	11 ³⁷ 37	T 20
W 21	19 53 55	28 ⁰⁷ 38	17 ⁴³ 43	16 ⁰⁷ 7	10 ³⁵ 35	4 ⁴⁹ 49	4 ³² 32	2 ⁵² 52	25 ⁵² 52	9 ²³ 23	9 ⁴⁵ 45	15 ⁰⁸ 8	15 ⁴⁰ 40	15 ¹⁸ 18	11 ³⁹ 39	W 21
T 22	19 57 52	29 ⁰⁴ 54	2 ⁵⁰ 20	15 ⁵⁷ 57	11 ⁴⁹ 49	5 ²⁶ 26	4 ⁴⁵ 45	2 ⁵⁶ 56	25 ⁵⁴ 54	9 ²⁴ 24	9 ⁴⁴ 44	14 ⁵⁹ 59	15 ³⁷ 37	15 ²⁵ 25	11 ⁴⁰ 40	T 22
F 23	20 1 48	0 ⁰¹ 21	17 ¹⁹ 19	15 ⁴³ 43	13 ⁰² 2	6 ⁰² 2	4 ⁵⁹ 59	3 ⁰¹ 1	25 ⁵⁶ 56	9 ²⁵ 25	9 ⁴² 42	14 ⁴⁹ 49	15 ³³ 33	15 ³² 32	11 ⁴² 42	F 23
S 24	20 5 45	0 ⁵⁹ 29	2 ⁰¹ 31	15 ²⁴ 24	14 ¹⁶ 16	6 ³⁹ 39	5 ¹² 12	3 ⁰⁵ 5	25 ⁵⁸ 58	9 ²⁶ 26	9 ⁴¹ 41	14 ³⁹ 39	15 ³⁰ 30	15 ³⁸ 38	11 ⁴³ 43	S 24
S 25	20 9 42	1 ⁵⁶ 47	17 ⁴⁷ 47	15 ⁰⁰ 0	15 ³⁰ 30	7 ¹⁶ 16	5 ²⁵ 25	3 ¹⁰ 10	26 ⁰⁰ 0	9 ²⁷ 27	9 ⁴⁰ 40	14 ²⁹ 29	15 ²⁷ 27	15 ⁴⁵ 45	11 ⁴⁴ 44	S 25
M 26	20 13 38	2 ⁵⁴ 05	2 ¹¹ 54	14 ³³ 33	16 ⁴³ 43	7 ⁵⁴ 54	5 ³⁹ 39	3 ¹⁵ 15	26 ⁰¹ 1	9 ²⁸ 28	9 ³⁸ 38	14 ²² 22	15 ²⁴ 24	15 ⁵² 52	11 ⁴⁶ 46	M 26
T 27	20 17 35	3 ⁵¹ 24	17 ⁴⁵ 45	14 ⁰¹ 1	17 ⁵⁷ 57	8 ³¹ 31	5 ⁵² 52	3 ²⁰ 20	26 ⁰³ 3	9 ²⁹ 29	9 ³⁷ 37	14 ¹⁷ 17	15 ²¹ 21	15 ⁵⁹ 59	11 ⁴⁷ 47	T 27
W 28	20 21 31	4 ⁴⁸ 42	2 ⁴¹ 12	13 ²⁶ 26	19 ¹¹ 11	9 ⁰⁸ 8	6 ⁰⁵ 5	3 ²⁵ 25	26 ⁰⁵ 5	9 ³⁰ 30	9 ³⁵ 35	14 ¹⁵ 15	15 ¹⁸ 18	16 ⁰⁵ 5	11 ⁴⁸ 48	W 28
T 29	20 25 28	5 ⁴⁶ 02	16 ¹³ 13	12 ⁴⁸ 48	20 ²⁵ 25	9 ⁴⁵ 45	6 ¹⁹ 19	3 ³⁰ 30	26 ⁰⁷ 7	9 ³¹ 31	9 ³⁴ 34	14 ⁰¹ D15	15 ¹⁴ 14	16 ¹² 12	11 ⁴⁹ 49	T 29
F 30	20 29 24	6 ⁴³ 21	29 ⁴⁹ 49	12 ⁰⁸ 8	21 ³⁸ 38	10 ²² 22	6 ³² 32	3 ³⁵ 35	26 ⁰⁸ 8	9 ³² 32	9 ³³ 33	14 ¹⁵ 15	15 ¹¹ 11	16 ¹⁹ 19	11 ⁵⁰ 50	F 30
S 31	20 33 21	7 ⁴⁰ 41	13 ¹¹ 0	11 ⁰² 26	22 ⁰¹ 52	10 ¹¹ 59	6 ⁰⁴ 45	3 ⁴⁰ 40	26 ¹⁰ 10	9 ³⁴ 34	9 ³¹ 31	14 ⁰⁰ R15	15 ⁰⁸ 8	16 ⁴⁴ 25	11 ⁵¹ 51	S 31

Delta T = 256.89 sec

AUGUST 2275

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 37 17	8♂38'01	25♂52	10°R42	24♂6	11♂37	6♂59	3♂45	26♂11	9♂35	9°R30	14°R14	15♂5	16♂32	11♂52	S 1
M 2	20 41 14	9°35'22	8♂26	9♂59	25°19	12°14	7°12	3°50	26°13	9°36	9♂28	14♂10	15°2	16°39	11°53	M 2
T 3	20 45 10	10°32'43	20°47	9°16	26°33	12°51	7°25	3°56	26°14	9°37	9°27	14°4	14°58	16°45	11°53	T 3
W 4	20 49 7	11°30'05	2♂58	8°34	27°46	13°28	7°38	4°1	26°16	9°39	9°26	13°56	14°55	16°52	11°54	W 4
T 5	20 53 4	12°27'27	15°1	7°54	29°0	14°6	7°52	4°7	26°17	9°40	9°24	13°46	14°52	16°59	11°55	T 5
F 6	20 57 0	13°24'50	26°59	7°17	0♂14	14°43	8°5	4°12	26°18	9°42	9°23	13°35	14°49	17°6	11°55	F 6
S 7	21 0 57	14°22'14	8♂53	6°43	1°27	15°21	8°18	4°18	26°20	9°43	9°21	13°23	14°46	17°12	11°56	S 7
S 8	21 4 53	15°19'38	20°45	6°14	2°41	15°58	8°32	4°23	26°21	9°44	9°20	13°13	14°43	17°19	11°56	S 8
M 9	21 8 50	16°17'04	2♂35	5°49	3°55	16°36	8°45	4°29	26°22	9°46	9°19	13°5	14°39	17°26	11°57	M 9
T 10	21 12 46	17°14'30	14°27	5°30	5°8	17°13	8°58	4°35	26°23	9°47	9°17	12°59	14°36	17°32	11°57	T 10
W 11	21 16 43	18°11'58	26°23	5°16	6°22	17°51	9°11	4°41	26°24	9°49	9°16	12°55	14°33	17°39	11°58	W 11
T 12	21 20 39	19°9'27	8♂25	5°9	7°35	18°28	9°25	4°47	26°25	9°50	9°15	12°D53	14°30	17°46	11°58	T 12
F 13	21 24 36	20°6'56	20°37	5°D8	8°49	19°6	9°38	4°53	26°26	9°52	9°13	12°54	14°27	17°52	11°58	F 13
S 14	21 28 33	21°4'28	3♂3	5°13	10°3	19°44	9°51	4°59	26°27	9°54	9°12	12°55	14°23	17°59	11°58	S 14
S 15	21 32 29	22°2'00	15°48	5°26	11°16	20°21	10°4	5°5	26°28	9°55	9°10	12°56	14°20	18°6	11°58	S 15
M 16	21 36 26	22°59'34	28°55	5°45	12°30	20°59	10°17	5°11	26°29	9°57	9°9	12°R56	14°17	18°13	11°R58	M 16
T 17	21 40 22	23°57'10	12♂28	6°12	13°43	21°37	10°30	5°17	26°30	9°59	9°8	12°54	14°14	18°19	11°58	T 17
W 18	21 44 19	24°54'46	26°29	6°45	14°57	22°15	10°44	5°23	26°31	10°0	9°6	12°50	14°11	18°26	11°58	W 18
T 19	21 48 15	25°52'25	10♂57	7°26	16°10	22°53	10°57	5°29	26°31	10°2	9°5	12°45	14°8	18°33	11°58	T 19
F 20	21 52 12	26°50'05	25°48	8°13	17°24	23°31	11°10	5°36	26°32	10°4	9°4	12°39	14°4	18°39	11°58	F 20
S 21	21 56 8	27°47'46	10♂56	9°7	18°37	24°9	11°23	5°42	26°33	10°5	9°2	12°32	14°1	18°46	11°58	S 21
S 22	22 0 5	28°45'28	26°12	10°7	19°51	24°47	11°36	5°48	26°33	10°7	9°1	12°26	13°58	18°53	11°57	S 22
M 23	22 4 2	29°43'12	11♂23	11°14	21°5	25°25	11°49	5°55	26°34	10°9	9°0	12°21	13°55	18°59	11°57	M 23
T 24	22 7 58	0♂40'57	26°21	12°27	22°18	26°3	12°2	6°1	26°34	10°11	8°59	12°18	13°52	19°6	11°57	T 24
W 25	22 11 55	1°38'43	10♂58	13°45	23°32	26°41	12°15	6°8	26°35	10°12	8°57	12°D17	13°49	19°13	11°56	W 25
T 26	22 15 51	2°36'30	25°9	15°9	24°45	27°19	12°28	6°14	26°35	10°14	8°56	12°18	13°45	19°20	11°56	T 26
F 27	22 19 48	3°34'19	8♂53	16°38	25°59	27°57	12°40	6°21	26°35	10°16	8°55	12°19	13°42	19°26	11°55	F 27
S 28	22 23 44	4°32'08	22°10	18°12	27°12	28°35	12°53	6°28	26°36	10°18	8°54	12°21	13°39	19°33	11°54	S 28
S 29	22 27 41	5°29'59	5♂4	19°50	28°25	29°13	13°6	6°34	26°36	10°20	8°52	12°R21	13°36	19°40	11°54	S 29
M 30	22 31 37	6°27'51	17°37	21°32	29°39	29°52	13°19	6°41	26°36	10°22	8°51	12°21	13°33	19°46	11°53	M 30
T 31	22 35 34	7♂25'44	29♂55	23♂17	0♂52	0♂30	13♂31	6♂48	26♂36	10♂24	8♂50	12♂18	13♂29	19♂53	11♂52	T 31

ASTRODIENST EPHEMERIS for the year 2275

geocentric

SEPTEMBER 2275

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	22 39 31	8 ^h 23'38"	12 ^h 31'	25 ^h 06'	2 ^h 06'	1 ^h 08'	13 ^h 04'	6 ^h 55'	26 ^h 36'	10 ^h 26'	8 ^h R49	12 ^h R15	13 ^h 02'	20 ^h 00'	11 ^h R51	W 1
T 2	22 43 27	9 ^h 21'34"	24° 0'	26°56'	3°19'	1°47'	13°57'	7° 1'	26°R36	10°28'	8 ^h 448	12 ^h 010	13°23'	20° 6'	11 ^h 050	T 2
F 3	22 47 24	10°19'31"	5 ^h 53'	28°49'	4°32'	2°25'	14° 9'	7° 8'	26°36'	10°30'	8°46'	12° 4'	13°20'	20°13'	11°49'	F 3
S 4	22 51 20	11°17'30"	17°44'	0 ^h 43'	5°46'	3° 4'	14°22'	7°15'	26°36'	10°32'	8°45'	11°59'	13°17'	20°20'	11°48'	S 4
S 5	22 55 17	12°15'29"	29°35'	2°39'	6°59'	3°42'	14°34'	7°22'	26°36'	10°34'	8°44'	11°54'	13°14'	20°26'	11°47'	S 5
M 6	22 59 13	13°13'31"	11 ^h 29'	4°35'	8°13'	4°21'	14°47'	7°29'	26°36'	10°36'	8°43'	11°50'	13°10'	20°33'	11°46'	M 6
T 7	23 3 10	14°11'34"	23°27'	6°32'	9°26'	4°59'	14°59'	7°36'	26°35'	10°38'	8°42'	11°47'	13° 7'	20°40'	11°45'	T 7
W 8	23 7 6	15° 9'38"	5 ^h 31'	8°29'	10°39'	5°38'	15°12'	7°43'	26°35'	10°40'	8°41'	11°46'	13° 4'	20°47'	11°44'	W 8
T 9	23 11 3	16° 7'45"	17°43'	10°26'	11°52'	6°16'	15°24'	7°50'	26°35'	10°42'	8°40'	11°D46	13° 1'	20°53'	11°42'	T 9
F 10	23 14 59	17° 5'53"	0 ^h 8'	12°23'	13° 6'	6°55'	15°36'	7°57'	26°34'	10°44'	8°39'	11°47'	12°58'	21° 0'	11°41'	F 10
S 11	23 18 56	18° 4'03"	12°41'	14°20'	14°19'	7°34'	15°48'	8° 4'	26°34'	10°46'	8°38'	11°48'	12°54'	21° 7'	11°39'	S 11
S 12	23 22 53	19° 2'15"	25°32'	16°16'	15°32'	8°13'	16° 1'	8°12'	26°33'	10°48'	8°37'	11°50'	12°51'	21°13'	11°38'	S 12
M 13	23 26 49	20° 0'30"	8 ^h 11'	18°11'	16°45'	8°51'	16°13'	8°19'	26°33'	10°50'	8°36'	11°51'	12°48'	21°20'	11°36'	M 13
T 14	23 30 46	20°58'46"	22°11'	20° 5'	17°59'	9°30'	16°25'	8°26'	26°32'	10°52'	8°35'	11°R51	12°45'	21°27'	11°35'	T 14
W 15	23 34 42	21°57'04"	6 ^h 33'	21°59'	19°12'	10° 9'	16°37'	8°33'	26°32'	10°54'	8°34'	11°51'	12°42'	21°33'	11°33'	W 15
T 16	23 38 39	22°55'25"	20°17'	23°51'	20°25'	10°48'	16°49'	8°40'	26°31'	10°57'	8°33'	11°49'	12°39'	21°40'	11°32'	T 16
F 17	23 42 35	23°53'47"	4 ^h 52'	25°43'	21°38'	11°27'	17° 0'	8°48'	26°30'	10°59'	8°32'	11°47'	12°35'	21°47'	11°30'	F 17
S 18	23 46 32	24°52'12"	19°42'	27°34'	22°51'	12° 6'	17°12'	8°55'	26°29'	11° 1'	8°31'	11°45'	12°32'	21°53'	11°28'	S 18
S 19	23 50 28	25°50'38"	4 ^h 41'	29°23'	24° 5'	12°45'	17°24'	9° 2'	26°29'	11° 3'	8°30'	11°43'	12°29'	22° 0'	11°26'	S 19
M 20	23 54 25	26°49'07"	19°41'	1 ^h 12'	25°18'	13°24'	17°36'	9° 9'	26°28'	11° 5'	8°30'	11°42'	12°26'	22° 7'	11°24'	M 20
T 21	23 58 22	27°47'37"	4 ^h 32'	3° 0'	26°31'	14° 3'	17°47'	9°17'	26°27'	11° 7'	8°29'	11°D41	12°23'	22°14'	11°23'	T 21
W 22	0 2 18	28°46'09"	19° 8'	4°46'	27°44'	14°42'	17°59'	9°24'	26°26'	11°10'	8°28'	11°41'	12°20'	22°20'	11°21'	W 22
T 23	0 6 15	29°44'43"	3 ^h 12'	6°31'	28°57'	15°22'	18°10'	9°31'	26°25'	11°12'	8°27'	11°41'	12°16'	22°27'	11°19'	T 23
F 24	0 10 11	0 ^h 43'19"	17°12'	8°16'	0 ^h 10'	16° 1'	18°22'	9°39'	26°24'	11°14'	8°26'	11°42'	12°13'	22°34'	11°17'	F 24
S 25	0 14 8	1°41'56"	0 ^h 36'	9°59'	1°23'	16°40'	18°33'	9°46'	26°23'	11°16'	8°26'	11°43'	12°10'	22°40'	11°14'	S 25
S 26	0 18 4	2°40'35"	13°35'	11°41'	2°36'	17°20'	18°44'	9°53'	26°22'	11°18'	8°25'	11°44'	12° 7'	22°47'	11°12'	S 26
M 27	0 22 1	3°39'16"	26°12'	13°23'	3°49'	17°59'	18°55'	10° 1'	26°20'	11°21'	8°24'	11°44'	12° 4'	22°54'	11°10'	M 27
T 28	0 25 57	4°37'59"	8 ^h 31'	15° 3'	5° 2'	18°38'	19° 6'	10° 8'	26°19'	11°23'	8°24'	11°R44	12° 0'	23° 0'	11° 8'	T 28
W 29	0 29 54	5°36'43"	20°37'	16°42'	6°15'	19°18'	19°17'	10°16'	26°18'	11°25'	8°23'	11°44'	11°57'	23° 7'	11° 6'	W 29
T 30	0 33 51	6 ^h 35'29"	2 ^h 34'	18 ^h 21'	7 ^h 28'	19 ^h 57'	19 ^h 028	10 ^h 23'	26 ^h 16'	11 ^h 27'	8 ^h 22'	11 ^h 44'	11 ^h 54'	23 ^h 14'	11 ^h 03'	T 30

Delta T = 257.15 sec

OCTOBER 2275

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	0 37 47	7 ^h 34'16"	14 ^h 25'	19 ^h 58'	8 ^h 14'	20 ^h 37'	19 ^h 039	10 ^h 30'	26°R15	11 ^h 029	8°R22	11°R43	11 ^h 051	23 ^h 20'	11°R 1	F 1
S 2	0 41 44	8°33'05"	26°16'	21°34'	9°54'	21°17'	19°50'	10°38'	26°R14	11°32'	8 ^h 221	11 ^h 043	11°48'	23°27'	10 ^h 059	S 2
S 3	0 45 40	9°31'56"	8 ^h 9'	23°10'	11° 7'	21°56'	20° 1'	10°45'	26°12'	11°34'	8°21'	11°42'	11°45'	23°34'	10°56'	S 3
M 4	0 49 37	10°30'49"	20° 8'	24°45'	12°19'	22°36'	20°11'	10°53'	26°11'	11°36'	8°20'	11°42'	11°41'	23°40'	10°54'	M 4
T 5	0 53 33	11°29'44"	2 ^h 15'	26°19'	13°32'	23°16'	20°22'	11° 0'	26° 9'	11°38'	8°20'	11°42'	11°38'	23°47'	10°51'	T 5
W 6	0 57 30	12°28'41"	14°32'	27°52'	14°45'	23°55'	20°32'	11° 8'	26° 8'	11°41'	8°19'	11°42'	11°35'	23°54'	10°49'	W 6
T 7	1 1 26	13°27'39"	26°59'	29°24'	15°58'	24°35'	20°42'	11°15'	26° 6'	11°43'	8°19'	11°42'	11°32'	24° 1'	10°46'	T 7
F 8	1 5 23	14°26'40"	9 ^h 39'	0 ^h 55'	17°11'	25°15'	20°53'	11°22'	26° 4'	11°45'	8°19'	11°42'	11°29'	24° 7'	10°44'	F 8
S 9	1 9 19	15°25'43"	22°33'	2°25'	18°23'	25°55'	21° 3'	11°30'	26° 3'	11°47'	8°18'	11°42'	11°26'	24°14'	10°41'	S 9
S 10	1 13 16	16°24'49"	5 ^h 11'	3°55'	19°36'	26°35'	21°13'	11°37'	26° 1'	11°49'	8°18'	11°41'	11°22'	24°21'	10°39'	S 10
M 11	1 17 13	17°23'56"	19° 1'	5°24'	20°49'	27°15'	21°23'	11°45'	25°59'	11°52'	8°18'	11°40'	11°19'	24°27'	10°36'	M 11
T 12	1 21 9	18°23'06"	2 ^h 37'	6°52'	22° 1'	27°55'	21°33'	11°52'	25°57'	11°54'	8°17'	11°40'	11°16'	24°34'	10°33'	T 12
W 13	1 25 6	19°22'18"	16°27'	8°19'	23°14'	28°35'	21°42'	11°59'	25°56'	11°56'	8°17'	11°D40	11°13'	24°41'	10°31'	W 13
T 14	1 29 2	20°21'33"	0 ^h 32'	9°45'	24°26'	29°15'	21°52'	12° 7'	25°54'	11°58'	8°17'	11°40'	11°10'	24°47'	10°28'	T 14
F 15	1 32 59	21°20'49"	14°49'	11°10'	25°39'	29°55'	22° 2'	12°14'	25°52'	12° 1'	8°17'	11°40'	11° 6'	24°54'	10°25'	F 15
S 16	1 36 55	22°20'08"	29°16'	12°34'	26°52'	0 ^h 135	22°11'	12°21'	25°50'	12° 3'	8°16'	11°41'	11° 3'	25° 1'	10°22'	S 16
S 17	1 40 52	23°19'30"	13 ^h 50'	13°58'	28° 4'	1°16'	22°20'	12°29'	25°48'	12° 5'	8°16'	11°42'	11° 0'	25° 7'	10°19'	S 17
M 18	1 44 48	24°18'53"	28°25'	15°20'	29°17'	1°56'	22°29'	12°36'	25°46'	12° 7'	8°16'	11°43'	10°57'	25°14'	10°17'	M 18
T 19	1 48 45	25°18'19"	12 ^h 56'	16°42'	0 ^h 29'	2°36'	22°39'	12°43'	25°44'	12° 9'	8°16'	11°R43	10°54'	25°21'	10°14'	T 19
W 20	1 52 42	26°17'47"	27°17'	18° 2'	1°42'	3°17'	22°48'	12°51'	25°42'	12°12'	8°16'	11°43'	10°51'	25°27'	10°11'	W 20
T 21	1 56 38	27°17'17"	11 ^h 22'	19°21'	2°54'	3°57'	22°56'	12°58'	25°40'	12°14'	8°16'	11°41'	10°47'	25°34'	10° 8'	T 21
F 22	2 0 35	28°16'48"	25° 8'	20°39'	4° 6'	4°38'	23° 5'	13° 5'	25°38'	12°16'	8°D16	11°39'	10°44'	25°41'	10° 5'	F 22
S 23	2 4 31	29°16'22"	8 ^h 32'	21°56'	5°19'	5°18'	23°14'	13°12'	25°35'	12°18'	8°16'	11°37'	10°41'	25°48'	10° 2'	S 23
S 24	2 8 28	0 ^h 15'58"	21°34'	23°12'	6°31'	5°59'	23°22'	13°20'	25°33'	12°20'	8°16'	11°34'	10°38'	25°54'	9°59'	S 24
M 25	2 12 24	1°15'35"	4 ^h 14'	24°26'	7°43'	6°39'	23°31'	13°27'	25°31'	12°22'	8°16'	11°32'	10°35'	26° 1'	9°56'	M 25
T 26	2 16 21	2°15'14"	16°36'	25°38'	8°56'	7°20'	23°39'	13°34'	25°29'	12°24'	8°16'	11°30'	10°31'	26° 8'	9°53'	T 26
W 27	2 20 17	3°14'55"	28°43'	26°49'	10° 8'	8° 1'	23°47'	13°41'	25°27'	12°27'	8°16'	11°D29	10°28'	26°14'	9°50'	W 27
T 28	2 24 14	4°14'37"	10 ^h 40'	27°58'	11°20'	8°41'	23°55'	13°48'	25°24'	12°29'	8°16'	11°29'	10°25'	26°21'	9°47'	T 28
F 29	2 28 11	5°14'22"	22°31'	29° 4'	12°32'	9°22'	24° 3'	13°55'	25°22'	12°31'	8°17'	11°30'	10°22'	26°28'	9°44'	F 29
S 30	2 32 7	6°14'07"	4 ^h 22'	0 ^h 29'	13°44'	10° 3'	24°11'	14° 2'	25°20'	12°33'	8°17'	11°32'	10°19'	26°34'	9°41'	S 30
S 31	2 36 4	7 ^h 13'55"	16 ^h 17'	1 ^h 11'	14 ^h 56'	10 ^h 144	24 ^h 018	14 ^h 9'	25 ^h 17'	12 ^h 35'	8 ^h 17'	11 ^h 34'	10 ^h 16'	26 ^h 41'	9 ^h 39'	S 31

Delta T = 257.28 sec

ASTRODIENST EPHEMERIS for the year 2275
geocentric

NOVEMBER 2275

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	2 40 0	8♉13'44	28♋20	2♊10	16♊8	11♉25	24♊26	14♉16	25°R15	12♉37	8♉17	11♉35	10♉12	26♉48	9°R36	M 1
T 2	2 43 57	9°13'35	10♉35	3° 6	17°20	12° 6	24°33	14°23	25♉13	12°39	8°18	11°R36	10° 9	26°54	9♉33	T 2
W 3	2 47 53	10°13'28	23° 4	3°58	18°32	12°47	24°40	14°30	25°10	12°41	8°18	11°35	10° 6	27° 1	9°30	W 3
T 4	2 51 50	11°13'23	5♉50	4°47	19°44	13°28	24°47	14°37	25° 8	12°43	8°18	11°33	10° 3	27° 8	9°27	T 4
F 5	2 55 46	12°13'19	18°52	5°32	20°56	14° 9	24°54	14°44	25° 6	12°45	8°19	11°30	10° 0	27°14	9°24	F 5
S 6	2 59 43	13°13'18	2♉ 9	6°12	22° 8	14°50	25° 1	14°51	25° 3	12°47	8°19	11°25	9°57	27°21	9°21	S 6
S 7	3 3 40	14°13'18	15°42	6°46	23°20	15°31	25° 7	14°58	25° 1	12°49	8°20	11°20	9°53	27°28	9°18	S 7
M 8	3 7 36	15°13'21	29°26	7°15	24°31	16°13	25°14	15° 5	24°58	12°51	8°20	11°14	9°50	27°34	9°15	M 8
T 9	3 11 33	16°13'25	13♉20	7°37	25°43	16°54	25°20	15°11	24°56	12°53	8°21	11°10	9°47	27°41	9°12	T 9
W10	3 15 29	17°13'32	27°20	7°53	26°55	17°35	25°26	15°18	24°53	12°55	8°21	11° 7	9°44	27°48	9° 9	W10
T 11	3 19 26	18°13'41	11♉26	8°R 0	28° 6	18°17	25°32	15°25	24°51	12°57	8°22	11° 5	9°41	27°54	9° 6	T 11
F 12	3 23 22	19°13'51	25°34	7°59	29°18	18°58	25°38	15°31	24°48	12°59	8°22	11°D 5	9°37	28° 1	9° 3	F 12
S 13	3 27 19	20°14'04	9♉44	7°50	0♉29	19°40	25°44	15°38	24°46	13° 1	8°23	11° 6	9°34	28° 8	9° 0	S 13
S 14	3 31 15	21°14'19	23°54	7°30	1°41	20°21	25°49	15°44	24°43	13° 2	8°24	11° 7	9°31	28°14	8°57	S 14
M15	3 35 12	22°14'36	8♉ 2	7° 1	2°52	21° 3	25°54	15°51	24°41	13° 4	8°24	11°R 8	9°28	28°21	8°54	M15
T 16	3 39 9	23°14'55	22° 5	6°22	4° 3	21°44	26° 0	15°57	24°38	13° 6	8°25	11° 8	9°25	28°28	8°51	T 16
W17	3 43 5	24°15'15	6♉ 0	5°33	5°14	22°26	26° 5	16° 4	24°36	13° 8	8°26	11° 5	9°22	28°35	8°48	W17
T 18	3 47 2	25°15'38	19°45	4°34	6°26	23° 8	26°10	16°10	24°33	13°10	8°26	11° 1	9°18	28°41	8°45	T 18
F 19	3 50 58	26°16'02	3♉16	3°27	7°37	23°50	26°14	16°16	24°31	13°11	8°27	10°54	9°15	28°48	8°43	F 19
S 20	3 54 55	27°16'28	16°30	2°14	8°48	24°31	26°19	16°22	24°29	13°13	8°28	10°46	9°12	28°55	8°40	S 20
S 21	3 58 51	28°16'55	29°27	0°56	9°59	25°13	26°23	16°29	24°26	13°15	8°29	10°37	9° 9	29° 1	8°37	S 21
M22	4 2 48	29°17'24	12♉ 5	29♉35	11°10	25°55	26°27	16°35	24°24	13°17	8°30	10°28	9° 6	29° 8	8°34	M22
T 23	4 6 44	0♉17'54	24°26	28°14	12°20	26°37	26°31	16°41	24°21	13°18	8°31	10°21	9° 3	29°15	8°32	T 23
W24	4 10 41	1°18'26	6♉33	26°56	13°31	27°19	26°35	16°47	24°19	13°20	8°31	10°16	8°59	29°21	8°29	W24
T 25	4 14 38	2°18'58	18°30	25°44	14°42	28° 1	26°39	16°53	24°16	13°22	8°32	10°12	8°56	29°28	8°26	T 25
F 26	4 18 34	3°19'32	0♉20	24°39	15°53	28°43	26°42	16°59	24°14	13°23	8°33	10°D11	8°53	29°35	8°24	F 26
S 27	4 22 31	4°20'07	12°10	23°44	17° 3	29°26	26°45	17° 5	24°11	13°25	8°34	10°11	8°50	29°41	8°21	S 27
S 28	4 26 27	5°20'44	24° 4	22°59	18°13	0♉ 8	26°48	17°10	24° 9	13°26	8°35	10°12	8°47	29°48	8°18	S 28
M29	4 30 24	6°21'21	6♉ 8	22°26	19°24	0°50	26°51	17°16	24° 6	13°28	8°36	10°R13	8°43	29°55	8°16	M29
T 30	4 34 20	7♉22'00	18°Y27	22♉ 4	20♉34	1♉32	26♉54	17♉22	24♉ 4	13♉29	8♉37	10♉13	8♉40	0♉ 1	8♉13	T 30

Delta T = 257.41 sec

DECEMBER 2275

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	4 38 17	8♉22'39	1♉ 4	21°D54	21♉44	2♉15	26♉57	17♉27	24°R 2	13♉31	8♉39	10°R11	8♉37	0♉ 8	8°R11	W 1
T 2	4 42 13	9°23'20	14° 2	21♉55	22°54	2°57	26°59	17°33	23♉59	13°32	8°40	10♉ 6	8°34	0°15	8♉ 8	T 2
F 3	4 46 10	10°24'03	27°22	22° 7	24° 4	3°40	27° 1	17°38	23°57	13°34	8°41	9°59	8°31	0°21	8° 6	F 3
S 4	4 50 7	11°24'46	11♉ 4	22°27	25°14	4°22	27° 3	17°44	23°54	13°35	8°42	9°50	8°28	0°28	8° 3	S 4
S 5	4 54 3	12°25'31	25° 4	22°57	26°23	5° 5	27° 5	17°49	23°52	13°36	8°43	9°39	8°24	0°35	8° 1	S 5
M 6	4 58 0	13°26'17	9♉17	23°35	27°33	5°47	27° 7	17°54	23°50	13°38	8°44	9°28	8°21	0°41	7°59	M 6
T 7	5 1 56	14°27'04	23°38	24°19	28°42	6°30	27° 8	17°59	23°47	13°39	8°46	9°19	8°18	0°48	7°57	T 7
W 8	5 5 53	15°27'52	8♉ 1	25°10	29°52	7°12	27° 9	18° 4	23°45	13°40	8°47	9°11	8°15	0°55	7°54	W 8
T 9	5 9 49	16°28'42	22°22	26° 6	1♉ 1	7°55	27°10	18° 9	23°43	13°41	8°48	9° 7	8°12	1° 1	7°52	T 9
F 10	5 13 46	17°29'34	6♉35	27° 7	2°10	8°38	27°11	18°14	23°41	13°43	8°49	9° 4	8° 9	1° 8	7°50	F 10
S 11	5 17 42	18°30'26	20°41	28°12	3°19	9°21	27°12	18°19	23°39	13°44	8°51	9°D 4	8° 5	1°15	7°48	S 11
S 12	5 21 39	19°31'20	4♉37	29°20	4°28	10° 4	27°12	18°24	23°36	13°45	8°52	9°R 4	8° 2	1°21	7°46	S 12
M13	5 25 32	20°32'16	18°25	0♉32	5°36	10°47	27°12	18°29	23°34	13°46	8°53	9° 4	7°59	1°28	7°44	M13
T 14	5 29 36	21°33'12	2♉ 3	1°46	6°45	11°29	27°R12	18°33	23°32	13°47	8°55	9° 2	7°56	1°35	7°42	T 14
W15	5 33 29	22°34'10	15°32	3° 3	7°53	12°13	27°12	18°38	23°30	13°48	8°56	8°57	7°53	1°41	7°40	W15
T 16	5 37 25	23°35'09	28°52	4°21	9° 1	12°56	27°12	18°42	23°28	13°49	8°58	8°49	7°49	1°48	7°38	T 16
F 17	5 41 22	24°36'09	12♉ 1	5°42	10° 9	13°39	27°11	18°47	23°26	13°50	8°59	8°39	7°46	1°55	7°36	F 17
S 18	5 45 18	25°37'10	24°57	7° 4	11°17	14°22	27°11	18°51	23°24	13°51	9° 0	8°26	7°43	2° 1	7°34	S 18
S 19	5 49 15	26°38'11	7♉40	8°27	12°25	15° 5	27°10	18°55	23°22	13°52	9° 2	8°12	7°40	2° 8	7°33	S 19
M20	5 53 11	27°39'13	20° 9	9°51	13°32	15°48	27° 8	19° 0	23°20	13°53	9° 3	7°58	7°37	2°15	7°31	M20
T 21	5 57 8	28°40'16	2♉25	11°16	14°40	16°32	27° 7	19° 4	23°18	13°54	9° 5	7°46	7°34	2°21	7°29	T 21
W22	6 1 5	29°41'20	14°29	12°42	15°47	17°15	27° 6	19° 8	23°16	13°55	9° 6	7°36	7°30	2°28	7°28	W22
T 23	6 5 1	0♉42'24	26°23	14° 9	16°54	17°58	27° 4	19°11	23°14	13°56	9° 8	7°29	7°27	2°35	7°26	T 23
F 24	6 8 58	1°43'28	8♉12	15°37	18° 1	18°42	27° 2	19°15	23°12	13°57	9°10	7°24	7°24	2°41	7°25	F 24
S 25	6 12 54	2°44'32	20° 0	17° 5	19° 7	19°25	27° 0	19°19	23°11	13°57	9°11	7°22	7°21	2°48	7°24	S 25
S 26	6 16 51	3°45'37	1♉51	18°33	20°13	20° 9	26°57	19°23	23° 9	13°58	9°13	7°22	7°18	2°55	7°22	S 26
M27	6 20 47	4°46'42	13°53	20° 2	21°19	20°52	26°55	19°26	23° 7	13°59	9°14	7°22	7°15	3° 2	7°21	M27
T 28	6 24 44	5°47'47	26° 9	21°32	22°25	21°36	26°52	19°29	23° 6	13°59	9°16	7°21	7°11	3° 8	7°20	T 28
W29	6 28 40	6°48'53	8♉46	23° 2	23°31	22°20	26°49	19°33	23° 4	14° 0	9°18	7°18	7° 8	3°15	7°19	W29
T 30	6 32 37	7°49'59	21°48	24°32	24°36	23° 3	26°46	19°36	23° 2	14° 1	9°19	7°13	7° 5	3°22	7°17	T 30
F 31	6 36 34	8♉51'05	5♉16	26♉ 3	25♉41	23♉47	26♉43	19♉39	23♉ 1	14♉ 1	9♉21	7♉ 5	7♉ 2	3♉28	7♉16	F 31

Delta T = 257.53 sec