



Astrodienst Ephemeris Tables for the year 1505

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 1505

geocentric

JANUARY 1505 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	7 18 53	20°14'25"	1°41'	0°14'	8°8'	16°36'	14°R36	29°R 8	13°H 7	25°Z28	6°A33	6°R55	8°H22	13°Z 4	13°R 2	W 1
T 2	7 22 50	21°15'32"	13°40'	1°38'	9°23'	17°23'	14°Q29	29°E 3	13° 9	25°30'	6°35'	6°H47	8°19'	13°11'	12°Q58	T 2
F 3	7 26 46	22°16'39"	25°33'	3° 3'	10°38'	18° 9'	14°23'	28°59'	13°12'	25°32'	6°37'	6°38'	8°16'	13°18'	12°54'	F 3
S 4	7 30 43	23°17'45"	7°32'5	4°29'	11°53'	18°56'	14°16'	28°54'	13°14'	25°34'	6°38'	6°29'	8°13'	13°24'	12°50'	S 4
S 5	7 34 40	24°18'50"	19°15'	5°55'	13° 8'	19°42'	14° 9'	28°49'	13°16'	25°37'	6°40'	6°21'	8° 9'	13°31'	12°46'	S 5
M 6	7 38 36	25°19'55"	1°6'	7°23'	14°23'	20°29'	14° 1'	28°44'	13°19'	25°39'	6°42'	6°14'	8° 6'	13°38'	12°41'	M 6
T 7	7 42 33	26°20'59"	13° 0'	8°51'	15°38'	21°16'	13°54'	28°39'	13°22'	25°41'	6°44'	6°10'	8° 3'	13°44'	12°37'	T 7
W 8	7 46 29	27°22'02"	24°58'	10°20'	16°53'	22° 3'	13°47'	28°34'	13°24'	25°43'	6°45'	6° 7'	8° 0'	13°51'	12°33'	W 8
T 9	7 50 26	28°23'03"	7°H 2	11°49'	18° 8'	22°49'	13°39'	28°29'	13°27'	25°46'	6°47'	6°D 6	7°57'	13°58'	12°28'	T 9
F 10	7 54 22	29°24'04"	19°16'	13°19'	19°22'	23°36'	13°32'	28°24'	13°29'	25°48'	6°49'	6° 7'	7°54'	14° 5'	12°24'	F 10
S 11	7 58 19	0°25'04"	1°Y42	14°50'	20°37'	24°23'	13°24'	28°19'	13°32'	25°50'	6°50'	6° 9'	7°50'	14°11'	12°19'	S 11
S 12	8 2 15	1°26'02"	14°25'	16°22'	21°52'	25°10'	13°17'	28°14'	13°35'	25°53'	6°52'	6°10'	7°47'	14°18'	12°15'	S 12
M13	8 6 12	2°27'00"	27°28'	17°54'	23° 7'	25°57'	13° 9'	28° 9'	13°38'	25°55'	6°53'	6°R11	7°44'	14°25'	12°10'	M13
T 14	8 10 9	3°27'55"	10°B54	19°27'	24°22'	26°44'	13° 1'	28° 4'	13°40'	25°57'	6°55'	6°11'	7°41'	14°31'	12° 6'	T 14
W15	8 14 5	4°28'50"	24°46'	21° 0'	25°37'	27°31'	12°54'	28° 0'	13°43'	25°59'	6°56'	6°10'	7°38'	14°38'	12° 1'	W15
T 16	8 18 2	5°29'44"	9°II 3	22°35'	26°51'	28°18'	12°46'	27°55'	13°46'	26° 2'	6°58'	6° 7'	7°35'	14°45'	11°57'	T 16
F 17	8 21 58	6°30'36"	23°44'	24°10'	28° 6'	29° 5'	12°38'	27°50'	13°49'	26° 4'	6°59'	6° 3'	7°31'	14°51'	11°52'	F 17
S 18	8 25 55	7°31'26"	8°E44	25°46'	29°21'	29°52'	12°30'	27°45'	13°52'	26° 6'	7° 0'	5°58'	7°28'	14°58'	11°48'	S 18
S 19	8 29 51	8°32'16"	23°54'	27°22'	0°H35	0°A39	12°22'	27°40'	13°55'	26° 8'	7° 2'	5°54'	7°25'	15° 5'	11°43'	S 19
M20	8 33 48	9°33'04"	9°Q 5	28°59'	1°50'	1°26'	12°14'	27°35'	13°58'	26°11'	7° 3'	5°51'	7°22'	15°12'	11°38'	M20
T 21	8 37 45	10°33'50"	24° 6'	0°A37	3° 5'	2°13'	12° 6'	27°31'	14° 1'	26°13'	7° 4'	5°50'	7°19'	15°18'	11°34'	T 21
W22	8 41 41	11°34'36"	8°H49	2°16'	4°19'	3° 0'	11°58'	27°26'	14° 4'	26°15'	7° 6'	5°D49	7°15'	15°25'	11°29'	W22
T 23	8 45 38	12°35'20"	23° 9'	3°55'	5°34'	3°47'	11°50'	27°21'	14° 7'	26°17'	7° 7'	5°50'	7°12'	15°32'	11°24'	T 23
F 24	8 49 34	13°36'03"	7°D 1	5°36'	6°48'	4°34'	11°42'	27°17'	14°10'	26°19'	7° 8'	5°51'	7° 9'	15°38'	11°20'	F 24
S 25	8 53 31	14°36'45"	20°26'	7°17'	8° 3'	5°21'	11°34'	27°12'	14°13'	26°22'	7° 9'	5°53'	7° 6'	15°45'	11°15'	S 25
S 26	8 57 27	15°37'26"	3°M26	8°59'	9°17'	6° 8'	11°26'	27° 7'	14°16'	26°24'	7°11'	5°54'	7° 3'	15°52'	11°10'	S 26
M27	9 1 24	16°38'06"	16° 3'	10°42'	10°32'	6°55'	11°18'	27° 3'	14°19'	26°26'	7°12'	5°R55	7° 0'	15°58'	11° 6'	M27
T 28	9 5 20	17°38'44"	28°22'	12°25'	11°46'	7°42'	11°11'	26°59'	14°22'	26°28'	7°13'	5°54'	6°56'	16° 5'	11° 1'	T 28
W29	9 9 17	18°39'22"	10°A28	14°10'	13° 0'	8°30'	11° 3'	26°54'	14°26'	26°30'	7°14'	5°53'	6°53'	16°12'	10°57'	W29
T 30	9 13 14	19°39'58"	22°24'	15°55'	14°15'	9°17'	10°55'	26°50'	14°29'	26°32'	7°15'	5°51'	6°50'	16°18'	10°52'	T 30
F 31	9 17 10	20°40'33"	4°Z15	17°A42	15°H29	10°A 4	10°Q47	26°E45	14°H32	26°Z35	7°A16	5°H49	6°H47	16°Z25	10°Q47	F 31

Delta T = 280.74 sec

Julian Calendar 1 Jan. 1505 == Greg. Calendar 11 Jan. 1505

FEBRUARY 1505 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	9 21 7	21°41'07"	16°Z 5	19°A29	16°H43	10°A51	10°R39	26°R41	14°H35	26°Z37	7°A17	5°R46	6°H44	16°Z32	10°R43	S 1
S 2	9 25 3	22°41'39"	27°55'	21°17'	17°57'	11°38'	10°Q32	26°E37	14°38'	26°39'	7°18'	5°H44	6°41'	16°39'	10°Q38	S 2
M 3	9 29 0	23°42'10"	9°A50	23° 6'	19°12'	12°26'	10°24'	26°33'	14°42'	26°41'	7°19'	5°42'	6°37'	16°45'	10°34'	M 3
T 4	9 32 56	24°42'39"	21°51'	24°56'	20°26'	13°13'	10°17'	26°29'	14°45'	26°43'	7°20'	5°41'	6°34'	16°52'	10°29'	T 4
W 5	9 36 53	25°43'07"	4°H 0	26°46'	21°40'	14° 0'	10° 9'	26°25'	14°48'	26°45'	7°20'	5°D41	6°31'	16°59'	10°25'	W 5
T 6	9 40 49	26°43'32"	16°18'	28°38'	22°54'	14°47'	10° 2'	26°21'	14°51'	26°47'	7°21'	5°41'	6°28'	17° 5'	10°21'	T 6
F 7	9 44 46	27°43'56"	28°47'	0°H30	24° 8'	15°35'	9°54'	26°17'	14°55'	26°49'	7°22'	5°42'	6°25'	17°12'	10°16'	F 7
S 8	9 48 43	28°44'18"	11°Y28	2°23'	25°22'	16°22'	9°47'	26°13'	14°58'	26°51'	7°23'	5°43'	6°21'	17°19'	10°12'	S 8
S 9	9 52 39	29°44'39"	24°24'	4°16'	26°36'	17° 9'	9°40'	26°10'	15° 1'	26°53'	7°23'	5°43'	6°18'	17°25'	10° 8'	S 9
M10	9 56 36	0°H44'57"	7°B35	6°10'	27°50'	17°56'	9°33'	26° 6'	15° 5'	26°55'	7°24'	5°44'	6°15'	17°32'	10° 3'	M10
T 11	10 0 32	1°45'13"	21° 3'	8° 5'	29° 4'	18°44'	9°26'	26° 3'	15° 8'	26°57'	7°25'	5°44'	6°12'	17°39'	9°59'	T 11
W12	10 4 29	2°45'27"	4°II49	9°59'	0°Y17	19°31'	9°19'	25°59'	15°12'	26°59'	7°25'	5°R44	6° 9'	17°45'	9°55'	W12
T 13	10 8 25	3°45'39"	18°53'	11°54'	1°31'	20°18'	9°13'	25°56'	15°15'	27° 1'	7°26'	5°44'	6° 6'	17°52'	9°51'	T 13
F 14	10 12 22	4°45'50"	3°E15	13°48'	2°45'	21° 5'	9° 6'	25°52'	15°18'	27° 3'	7°26'	5°44'	6° 2'	17°59'	9°47'	F 14
S 15	10 16 18	5°45'57"	17°50'	15°43'	3°59'	21°53'	9° 0'	25°49'	15°22'	27° 5'	7°27'	5°D44	5°59'	18° 6'	9°43'	S 15
S 16	10 20 15	6°46'03"	2°Q35	17°36'	5°12'	22°40'	8°53'	25°46'	15°25'	27° 7'	7°27'	5°44'	5°56'	18°12'	9°39'	S 16
M17	10 24 12	7°46'07"	17°23'	19°29'	6°26'	23°27'	8°47'	25°43'	15°29'	27° 8'	7°28'	5°44'	5°53'	18°19'	9°35'	M17
T 18	10 28 8	8°46'08"	2°H 7	21°20'	7°39'	24°14'	8°41'	25°40'	15°32'	27°10'	7°28'	5°R44	5°50'	18°26'	9°32'	T 18
W19	10 32 5	9°46'08"	16°40'	23°10'	8°53'	25° 1'	8°35'	25°37'	15°35'	27°12'	7°29'	5°44'	5°47'	18°32'	9°28'	W19
T 20	10 36 1	10°46'06"	0°E56	24°57'	10° 6'	25°49'	8°29'	25°35'	15°39'	27°14'	7°29'	5°44'	5°43'	18°39'	9°24'	T 20
F 21	10 39 58	11°46'02"	14°51'	26°42'	11°19'	26°36'	8°24'	25°32'	15°42'	27°16'	7°29'	5°43'	5°40'	18°46'	9°21'	F 21
S 22	10 43 54	12°45'56"	28°21'	28°23'	12°32'	27°23'	8°18'	25°29'	15°46'	27°17'	7°29'	5°42'	5°37'	18°52'	9°17'	S 22
S 23	10 47 51	13°45'48"	11°M27	0°Y 1	13°46'	28°10'	8°13'	25°27'	15°49'	27°19'	7°30'	5°41'	5°34'	18°59'	9°14'	S 23
M24	10 51 47	14°45'39"	24°11'	1°35'	14°59'	28°58'	8° 8'	25°25'	15°53'	27°21'	7°30'	5°41'	5°31'	19° 6'	9°11'	M24
T 25	10 55 44	15°45'28"	6°A35	3° 5'	16°12'	29°45'	8° 3'	25°22'	15°56'	27°22'	7°30'	5°40'	5°27'	19°12'	9° 7'	T 25
W26	10 59 41	16°45'15"	18°43'	4°29'	17°25'	0°H32	7°58'	25°20'	15°59'	27°24'	7°30'	5°D40	5°24'	19°19'	9° 4'	W26
T 27	11 3 37	17°45'01"	0°Z40	5°47'	18°38'	1°19'	7°53'	25°18'	16° 3'	27°26'	7°30'	5°40'	5°21'	19°26'	9° 1'	T 27
F 28	11 7 34	18°44'45"	12°Z32	7°Y 0	19°Y51	2°H 6	7°Q48	25°E16	16°H 6	27°Z27	7°A30	5°H41	5°H18	19°Z32	8°Q58	F 28

Delta T = 280.55 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1505

geocentric

MARCH 1505 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	11 11 30	19°44'27	24°21	8°6	21°4	2°53	7°R44	25°R14	16°10	27°29	7°R30	5°42	5°15	19°39	8°R55	S 1
S 2	11 15 27	20°44'07	6°13	9°5	22°17	3°41	7°40	25°13	16°13	27°30	7°30	5°44	5°12	19°46	8°52	S 2
M 3	11 19 23	21°43'46	18°12	9°57	23°29	4°28	7°36	25°11	16°17	27°32	7°30	5°45	5°8	19°52	8°49	M 3
T 4	11 23 20	22°43'22	0°21	10°41	24°42	5°15	7°32	25°9	16°20	27°33	7°30	5°R46	5°5	19°59	8°47	T 4
W 5	11 27 16	23°42'57	12°42	11°18	25°55	6°2	7°28	25°8	16°23	27°35	7°30	5°46	5°2	20°6	8°44	W 5
T 6	11 31 13	24°42'29	25°17	11°47	27°7	6°49	7°25	25°7	16°27	27°36	7°30	5°45	4°59	20°13	8°42	T 6
F 7	11 35 9	25°41'59	8°6	12°8	28°20	7°36	7°21	25°5	16°30	27°38	7°30	5°43	4°56	20°19	8°39	F 7
S 8	11 39 6	26°41'28	21°10	12°21	29°32	8°23	7°18	25°4	16°34	27°39	7°29	5°40	4°53	20°26	8°37	S 8
S 9	11 43 3	27°40'54	4°27	12°R27	0°44	9°10	7°15	25°3	16°37	27°41	7°29	5°36	4°49	20°33	8°35	S 9
M10	11 46 59	28°40'18	17°58	12°24	1°57	9°57	7°12	25°2	16°40	27°42	7°29	5°33	4°46	20°39	8°33	M10
T 11	11 50 56	29°39'40	1°41	12°15	3°9	10°44	7°10	25°2	16°44	27°43	7°29	5°30	4°43	20°46	8°31	T 11
W12	11 54 52	0°38'59	15°34	11°58	4°21	11°31	7°7	25°1	16°47	27°45	7°28	5°28	4°40	20°53	8°29	W12
T 13	11 58 49	1°38'16	29°37	11°35	5°33	12°18	7°5	25°0	16°50	27°46	7°28	5°D28	4°37	20°59	8°27	T 13
F 14	12 2 45	2°37'31	13°47	11°5	6°45	13°5	7°3	25°0	16°54	27°47	7°27	5°28	4°33	21°6	8°25	F 14
S 15	12 6 42	3°36'43	28°3	10°31	7°57	13°52	7°1	25°0	16°57	27°48	7°27	5°29	4°30	21°13	8°24	S 15
S 16	12 10 38	4°35'53	12°22	9°52	9°9	14°39	6°59	24°59	17°0	27°49	7°27	5°31	4°27	21°19	8°22	S 16
M17	12 14 35	5°35'01	26°42	9°9	10°20	15°26	6°58	24°59	17°4	27°51	7°26	5°32	4°24	21°26	8°21	M17
T 18	12 18 32	6°34'06	10°59	8°23	11°32	16°13	6°57	24°D59	17°7	27°52	7°25	5°R32	4°21	21°33	8°19	T 18
W19	12 22 28	7°33'09	25°8	7°36	12°44	17°0	6°56	24°59	17°10	27°53	7°25	5°31	4°18	21°39	8°18	W19
T 20	12 26 25	8°32'10	9°2	6°48	13°55	17°46	6°55	25°0	17°14	27°54	7°24	5°28	4°14	21°46	8°17	T 20
F 21	12 30 21	9°31'08	22°49	6°0	15°6	18°33	6°54	25°0	17°17	27°55	7°24	5°23	4°11	21°53	8°16	F 21
S 22	12 34 18	10°30'05	6°13	5°13	16°18	19°20	6°53	25°0	17°20	27°56	7°23	5°17	4°8	21°59	8°15	S 22
S 23	12 38 14	11°29'00	19°17	4°28	17°29	20°7	6°53	25°1	17°23	27°57	7°22	5°11	4°5	22°6	8°15	S 23
M24	12 42 11	12°27'53	2°1	3°45	18°40	20°53	6°D53	25°2	17°27	27°58	7°22	5°6	4°2	22°13	8°14	M24
T 25	12 46 7	13°26'45	14°27	3°6	19°51	21°40	6°53	25°2	17°30	27°59	7°21	5°1	3°58	22°19	8°13	T 25
W26	12 50 4	14°25'34	26°37	2°30	21°2	22°27	6°53	25°3	17°33	27°59	7°20	4°57	3°55	22°26	8°13	W26
T 27	12 54 1	15°24'22	8°36	1°59	22°13	23°13	6°53	25°4	17°36	28°0	7°19	4°56	3°52	22°33	8°13	T 27
F 28	12 57 57	16°23'08	20°28	1°33	23°24	24°0	6°54	25°5	17°39	28°1	7°18	4°D55	3°49	22°40	8°12	F 28
S 29	13 1 54	17°21'53	2°18	1°11	24°34	24°46	6°55	25°6	17°42	28°2	7°18	4°56	3°46	22°46	8°12	S 29
S 30	13 5 50	18°20'35	14°11	0°55	25°45	25°33	6°56	25°8	17°45	28°3	7°17	4°58	3°43	22°53	8°D12	S 30
M31	13 9 47	19°19'16	26°13	0°44	26°55	26°19	6°D57	25°9	17°48	28°3	7°16	4°59	3°39	23°0	8°D12	M31

Delta T = 280.38 sec

Julian Calendar 1 March 1505 == Greg. Calendar 11 March 1505

APRIL 1505 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	13 13 43	20°17'55	8°27	0°R38	28°8	27°6	6°D58	25°11	17°51	28°3	7°R15	4°R59	3°36	23°3	8°D12	T 1
W 2	13 17 40	21°16'32	20°57	0°D37	29°16	27°52	7°0	25°12	17°54	28°5	7°14	4°58	3°33	23°13	8°13	W 2
T 3	13 21 36	22°15'08	3°46	0°41	0°126	28°39	7°1	25°14	17°57	28°5	7°13	4°55	3°30	23°20	8°13	T 3
F 4	13 25 33	23°13'41	16°55	0°50	1°36	29°25	7°3	25°16	18°0	28°6	7°12	4°49	3°27	23°26	8°14	F 4
S 5	13 29 30	24°12'13	0°23	1°4	2°46	0°11	7°5	25°18	18°3	28°6	7°11	4°42	3°24	23°33	8°14	S 5
S 6	13 33 26	25°10'43	14°7	1°23	3°56	0°58	7°8	25°20	18°6	28°7	7°10	4°34	3°20	23°40	8°15	S 6
M 7	13 37 23	26°9'10	28°5	1°47	5°6	1°44	7°10	25°22	18°9	28°7	7°9	4°25	3°17	23°46	8°16	M 7
T 8	13 41 19	27°7'36	12°12	2°14	6°15	2°30	7°13	25°24	18°12	28°8	7°8	4°18	3°14	23°53	8°17	T 8
W 9	13 45 16	28°6'00	26°23	2°46	7°25	3°16	7°15	25°26	18°15	28°8	7°6	4°12	3°11	24°0	8°18	W 9
T 10	13 49 12	29°4'22	10°36	3°22	8°34	4°2	7°18	25°29	18°18	28°9	7°5	4°8	3°8	24°6	8°19	T 10
F 11	13 53 9	0°2'41	24°48	4°2	9°43	4°48	7°22	25°31	18°20	28°9	7°4	4°D7	3°4	24°13	8°20	F 11
S 12	13 57 5	1°0'59	8°56	4°46	10°53	5°34	7°25	25°34	18°23	28°9	7°3	4°7	3°1	24°20	8°22	S 12
S 13	14 1 2	1°59'14	22°59	5°33	12°2	6°20	7°28	25°37	18°26	28°9	7°2	4°8	2°58	24°26	8°23	S 13
M14	14 4 59	2°57'27	6°57	6°23	13°10	7°6	7°32	25°40	18°29	28°10	7°0	4°R8	2°55	24°33	8°25	M14
T 15	14 8 55	3°55'38	20°48	7°17	14°19	7°52	7°36	25°43	18°31	28°10	6°59	4°7	2°52	24°40	8°27	T 15
W16	14 12 52	4°53'47	4°31	8°14	15°28	8°38	7°40	25°46	18°34	28°10	6°58	4°3	2°49	24°46	8°28	W16
T 17	14 16 48	5°51'54	18°4	9°14	16°36	9°24	7°44	25°49	18°36	28°10	6°56	3°57	2°45	24°53	8°30	T 17
F 18	14 20 45	6°49'59	1°25	10°17	17°45	10°10	7°48	25°52	18°39	28°10	6°55	3°49	2°42	25°0	8°32	F 18
S 19	14 24 41	7°48'03	14°33	11°22	18°53	10°55	7°53	25°55	18°41	28°10	6°54	3°38	2°39	25°6	8°35	S 19
S 20	14 28 38	8°46'05	27°25	12°30	20°1	11°41	7°57	25°59	18°44	28°10	6°52	3°27	2°36	25°13	8°37	S 20
M21	14 32 34	9°44'06	10°2	13°41	21°9	12°27	8°2	26°2	18°46	28°R11	6°51	3°16	2°33	25°20	8°39	M21
T 22	14 36 31	10°42'05	22°23	14°55	22°16	13°12	8°7	26°6	18°49	28°11	6°50	3°6	2°30	25°26	8°42	T 22
W23	14 40 28	11°40'02	4°31	16°11	23°24	13°58	8°12	26°10	18°51	28°10	6°48	2°58	2°26	25°33	8°44	W23
T 24	14 44 24	12°37'59	16°29	17°29	24°31	14°44	8°17	26°13	18°54	28°10	6°47	2°53	2°23	25°40	8°47	T 24
F 25	14 48 21	13°35'53	28°20	18°50	25°38	15°29	8°23	26°17	18°56	28°10	6°45	2°49	2°20	25°46	8°49	F 25
S 26	14 52 17	14°33'47	10°10	20°13	26°46	16°14	8°28	26°21	18°58	28°10	6°44	2°D48	2°17	25°53	8°52	S 26
S 27	14 56 14	15°31'39	22°3	21°38	27°52	17°0	8°34	26°25	19°0	28°10	6°42	2°48	2°14	26°0	8°55	S 27
M28	15 0 10	16°29'30	4°5	23°5	28°59	17°45	8°40	26°29	19°3	28°10	6°41	2°R49	2°10	26°6	8°58	M28
T 29	15 4 7	17°27'20	16°21	24°35	0°6	18°30	8°46	26°34	19°5	28°9	6°40	2°48	2°7	26°13	9°1	T 29
W30	15 8 3	18°25'08	28°56	26°7	1°12	19°16	8°D52	26°38	19°7	28°9	6°38	2°45	2°4	26°20	9°D5	W30

Delta T = 280.19 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1505
geocentric

MAY 1505 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	15 12 0	19♌22'56	11♏53	27♏41	2♌18	20♏1	8♏58	26♌42	19♏9	28♏9	6♏36	2♏40	2♏1	26♌26	9♏8	T 1
F 2	15 15 57	20♌20'42	25♏15	29♏18	3♌24	20♏46	9♌5	26♌47	19♏11	28♌9	6♌35	2♏33	1♌58	26♌33	9♏11	F 2
S 3	15 19 53	21♌18'26	9♌1	0♌56	4♌30	21♏31	9♏11	26♌51	19♏13	28♌8	6♌33	2♌23	1♌55	26♌40	9♏15	S 3
S 4	15 23 50	22♌16'10	23♌8	2♌37	5♌36	22♌16	9♌18	26♌56	19♏15	28♌8	6♌32	2♌12	1♌51	26♌46	9♏18	S 4
M 5	15 27 46	23♌13'52	7♏31	4♌20	6♌41	23♌1	9♌25	27♌1	19♏17	28♌7	6♌30	2♌0	1♌48	26♌53	9♏22	M 5
T 6	15 31 43	24♌11'33	22♌5	6♌5	7♌46	23♌46	9♌32	27♌6	19♏19	28♌7	6♌29	1♌50	1♌45	27♌0	9♏26	T 6
W 7	15 35 39	25♌9'13	6♌41	7♌52	8♌51	24♌31	9♌39	27♌10	19♏21	28♌6	6♌27	1♌42	1♌42	27♌7	9♏30	W 7
T 8	15 39 36	26♌6'51	21♌14	9♌42	9♌56	25♌16	9♌46	27♌15	19♏23	28♌6	6♌26	1♌36	1♌39	27♌13	9♏34	T 8
F 9	15 43 32	27♌4'28	5♏38	11♏33	11♌1	26♌1	9♌54	27♌20	19♏24	28♌5	6♌24	1♌33	1♌36	27♌20	9♏38	F 9
S 10	15 47 29	28♌2'03	19♌50	13♏27	12♌5	26♌45	10♌1	27♌26	19♏26	28♌5	6♌22	1♌32	1♌32	27♌27	9♏42	S 10
S 11	15 51 26	28♌59'36	3♏49	15♏23	13♌9	27♌30	10♌9	27♌31	19♏28	28♌4	6♌21	1♌32	1♌29	27♌33	9♏46	S 11
M 12	15 55 22	29♌57'08	17♌36	17♌20	14♌13	28♌15	10♌16	27♌36	19♏29	28♌4	6♌19	1♌31	1♌26	27♌40	9♏51	M 12
T 13	15 59 19	0♏54'39	1♌10	19♌20	15♌16	28♌59	10♌24	27♌41	19♏31	28♌3	6♌18	1♌29	1♌23	27♌47	9♏55	T 13
W 14	16 3 15	1♌52'08	14♌32	21♌22	16♌20	29♌44	10♌32	27♌47	19♏33	28♌2	6♌16	1♌25	1♌20	27♌53	9♏59	W 14
T 15	16 7 12	2♌49'36	27♌42	23♌26	17♌23	0♌28	10♌40	27♌52	19♏34	28♌1	6♌14	1♌18	1♌16	28♌0	10♌4	T 15
F 16	16 11 8	3♌47'03	10♏42	25♌31	18♌25	1♌13	10♌49	27♌58	19♏36	28♌1	6♌13	1♌8	1♌13	28♌7	10♌9	F 16
S 17	16 15 5	4♌44'28	23♌30	27♌38	19♌28	1♌57	10♌57	28♌3	19♏37	28♌0	6♌11	0♌56	1♌10	28♌13	10♌13	S 17
S 18	16 19 1	5♌41'53	6♌5	29♌46	20♌30	2♌41	11♌5	28♌9	19♏38	27♌59	6♌9	0♌43	1♌7	28♌20	10♌18	S 18
M 19	16 22 58	6♌39'17	18♌29	1♏56	21♌32	3♌25	11♌14	28♌15	19♏40	27♌58	6♌8	0♌30	1♌4	28♌27	10♌23	M 19
T 20	16 26 55	7♌36'40	0♌42	4♌6	22♌33	4♌9	11♌23	28♌20	19♏41	27♌57	6♌6	0♌18	1♌1	28♌33	10♌28	T 20
W 21	16 30 51	8♌34'02	12♌44	6♌17	23♌35	4♌54	11♌32	28♌26	19♏42	27♌56	6♌5	0♌8	0♌57	28♌40	10♌33	W 21
T 22	16 34 48	9♌31'23	24♌38	8♌29	24♌36	5♌38	11♌40	28♌32	19♏43	27♌56	6♌3	0♌1	0♌54	28♌47	10♌38	T 22
F 23	16 38 44	10♌28'44	6♌27	10♌41	25♌36	6♌22	11♌49	28♌38	19♏45	27♌55	6♌1	29♌57	0♌51	28♌53	10♌44	F 23
S 24	16 42 41	11♌26'04	18♌16	12♌53	26♌36	7♌6	11♌59	28♌44	19♏46	27♌54	6♌0	29♌55	0♌48	29♌0	10♌49	S 24
S 25	16 46 37	12♌23'24	0♌8	15♌5	27♌36	7♌49	12♌8	28♌50	19♏47	27♌53	5♌58	29♌D54	0♌45	29♌7	10♌54	S 25
M 26	16 50 34	13♌20'43	12♌8	17♌16	28♌36	8♌33	12♌17	28♌56	19♏48	27♌52	5♌57	29♌R54	0♌42	29♌13	11♌0	M 26
T 27	16 54 30	14♌18'01	24♌24	19♌26	29♌35	9♌17	12♌27	29♌3	19♏49	27♌51	5♌55	29♌54	0♌38	29♌20	11♌5	T 27
W 28	16 58 27	15♌15'19	6♏58	21♌35	0♏33	10♌1	12♌36	29♌9	19♏50	27♌50	5♌53	29♌52	0♌35	29♌27	11♌11	W 28
T 29	17 2 24	16♌12'37	19♌57	23♌43	1♌32	10♌44	12♌46	29♌15	19♏51	27♌48	5♌52	29♌48	0♌32	29♌33	11♌17	T 29
F 30	17 6 20	17♌9'55	3♌23	25♌50	2♌30	11♌28	12♌55	29♌22	19♏51	27♌47	5♌50	29♌42	0♌29	29♌40	11♌22	F 30
S 31	17 10 17	18♏7'12	17♌17	27♏55	3♏27	12♌12	13♌5	29♌28	19♏52	27♌46	5♌49	29♌33	0♌26	29♌47	11♌28	S 31

Delta T = 280.01 sec

Julian Calendar 1 May 1505 == Greg. Calendar 11 May 1505

JUNE 1505 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	17 14 13	19♏4'29	1♏36	29♏58	4♏24	12♌55	13♏15	29♌34	19♏53	27♌R45	5♌R47	29♌R23	0♌22	29♌53	11♏34	S 1
M 2	17 18 10	20♌1'45	16♌17	1♏59	5♌21	13♌38	13♌25	29♌41	19♏54	27♌44	5♌46	29♌13	0♌19	29♌59	11♌40	M 2
T 3	17 22 6	20♌59'01	1♏11	3♌58	6♌17	14♌22	13♌35	29♌48	19♏54	27♌43	5♌44	29♌4	0♌16	0♌8	11♌46	T 3
W 4	17 26 3	21♌56'17	16♌9	5♌55	7♌13	15♌5	13♌45	29♌54	19♏55	27♌41	5♌42	28♌56	0♌13	0♌13	11♌52	W 4
T 5	17 30 0	22♌53'31	1♏14	7♌50	8♌8	15♌48	13♌56	0♏1	19♏55	27♌40	5♌41	28♌51	0♌10	0♌20	11♌58	T 5
F 6	17 33 56	23♌50'46	15♌46	9♌43	9♌2	16♌31	14♌6	0♌8	19♏56	27♌39	5♌39	28♌49	0♌7	0♌27	12♌4	F 6
S 7	17 37 53	24♌47'59	0♏12	11♌34	9♌56	17♌14	14♌16	0♌14	19♏56	27♌38	5♌38	28♌D48	0♌3	0♌33	12♌11	S 7
S 8	17 41 49	25♌45'12	14♌18	13♌22	10♌50	17♌57	14♌27	0♌21	19♏57	27♌36	5♌36	28♌48	0♌0	0♌40	12♌17	S 8
M 9	17 45 46	26♌42'24	28♌4	15♌9	11♌43	18♌40	14♌37	0♌28	19♏57	27♌35	5♌35	28♌R49	29♌57	0♌47	12♌23	M 9
T 10	17 49 42	27♌39'36	11♌32	16♌53	12♌35	19♌23	14♌48	0♌35	19♏57	27♌34	5♌33	28♌48	29♌54	0♌53	12♌30	T 10
W 11	17 53 39	28♌36'47	24♌42	18♌34	13♌27	20♌6	14♌59	0♌42	19♏57	27♌32	5♌32	28♌45	29♌51	1♌0	12♌36	W 11
T 12	17 57 35	29♌33'58	7♏38	20♌14	14♌18	20♌49	15♌10	0♌49	19♏58	27♌31	5♌30	28♌40	29♌48	1♌7	12♌43	T 12
F 13	18 1 32	0♏31'08	20♌20	21♌51	15♌8	21♌32	15♌21	0♌56	19♏58	27♌30	5♌29	28♌32	29♌44	1♌13	12♌49	F 13
S 14	18 5 29	1♌28'19	2♌51	23♌26	15♌58	22♌14	15♌32	1♌3	19♏58	27♌28	5♌28	28♌23	29♌41	1♌20	12♌56	S 14
S 15	18 9 25	2♌25'29	15♌11	24♌59	16♌47	22♌57	15♌43	1♌10	19♏58	27♌27	5♌26	28♌13	29♌38	1♌27	13♌3	S 15
M 16	18 13 22	3♌22'38	27♌21	26♌30	17♌35	23♌39	15♌54	1♌17	19♏R58	27♌25	5♌25	28♌3	29♌35	1♌33	13♌9	M 16
T 17	18 17 18	4♌19'48	9♌23	27♌58	18♌22	24♌22	16♌5	1♌24	19♏58	27♌24	5♌24	27♌54	29♌32	1♌40	13♌16	T 17
W 18	18 21 15	5♌16'58	21♌19	29♌24	19♌9	25♌4	16♌16	1♌31	19♏58	27♌22	5♌22	27♌47	29♌28	1♌47	13♌23	W 18
T 19	18 25 11	6♌14'08	3♌9	0♏47	19♌54	25♌46	16♌27	1♌39	19♏58	27♌21	5♌21	27♌41	29♌25	1♌53	13♌30	T 19
F 20	18 29 8	7♌11'18	14♌57	2♌8	20♌39	26♌29	16♌39	1♌46	19♏58	27♌19	5♌20	27♌38	29♌22	2♌0	13♌37	F 20
S 21	18 33 4	8♌8'28	26♌45	3♌27	21♌23	27♌11	16♌50	1♌53	19♏57	27♌18	5♌18	27♌D37	29♌19	2♌7	13♌44	S 21
S 22	18 37 1	9♌5'38	8♌37	4♌43	22♌6	27♌53	17♌2	2♌1	19♏57	27♌16	5♌17	27♌38	29♌16	2♌13	13♌51	S 22
M 23	18 40 58	10♌2'49	20♌38	5♌57	22♌48	28♌35	17♌13	2♌8	19♏57	27♌15	5♌16	27♌39	29♌13	2♌20	13♌58	M 23
T 24	18 44 54	11♌0'01	2♏53	7♌8	23♌29	29♌17	17♌25	2♌15	19♏56	27♌13	5♌14	27♌40	29♌9	2♌26	14♌5	T 24
W 25	18 48 51	11♌57'12	15♌26	8♌16	24♌9	29♌59	17♌37	2♌23	19♏56	27♌12	5♌13	27♌R41	29♌6	2♌33	14♌12	W 25
T 26	18 52 47	12♌54'25	28♌22	9♌22	24♌48	0♏41	17♌48	2♌30	19♏55	27♌10	5♌12	27♌39	29♌3	2♌40	14♌20	T 26
F 27	18 56 44	13♌51'38	11♌845	10♌25	25♌26	1♌22	18♌0	2♌38	19♏55	27♌9	5♌11	27♌36	29♌0	2♌46	14♌27	F 27
S 28	19 0 40	14♌48'51	25♌36	11♌25	26♌2	2♌4	18♌12	2♌45	19♏54	27♌7	5♌10	27♌32	28♌57	2♌53	14♌34	S 28
S 29	19 4 37	15♌46'05	9♏55	12♌22	26♌38	2♌46	18♌24	2♌52	19♏54	27♌5	5♌9	27♌26	28♌54	3♌0	14♌42	S 29
M 30	19 8 33	16♌43'20	24♏39	13♏15	27♏12	3♏27	18♌36	3♏0	19♏53	27♌4	5♌7	27♌20	28♌50	3♌6	14♌49	M 30

Delta T = 279.83 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1505
geocentric

JULY 1505 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	19 12 30	17°40'36	9°41	14°06	27°145	4°11 9	18°148	3°08 8	19°R52	27°R 2	5°R 6	27°R14	28°47	3°13	14°156	T 1
W 2	19 16 27	18°37'52	24°51	14°53	28°16	4°50	19° 0	3°15	19°X52	27°Z 1	5°X 5	27°X10	28°44	3°20	15° 4	W 2
T 3	19 20 23	19°35'08	10°01	15°37	28°46	5°31	19°12	3°23	19°51	26°59	5° 4	27° 7	28°41	3°26	15°11	T 3
F 4	19 24 20	20°32'25	25° 0	16°17	29°15	6°13	19°24	3°30	19°50	26°57	5° 3	27°D 6	28°38	3°33	15°19	F 4
S 5	19 28 16	21°29'42	9°14	16°53	29°42	6°54	19°36	3°38	19°49	26°56	5° 2	27° 7	28°34	3°40	15°27	S 5
S 6	19 32 13	22°26'59	24° 0	17°25	0°17 7	7°35	19°49	3°46	19°48	26°54	5° 1	27° 8	28°31	3°46	15°34	S 6
M 7	19 36 9	23°24'16	7°15	17°53	0°31	8°16	20° 1	3°53	19°47	26°53	5° 0	27° 9	28°28	3°53	15°42	M 7
T 8	19 40 6	24°21'34	21°26	18°16	0°53	8°57	20°13	4° 1	19°46	26°51	4°59	27°R10	28°25	4° 0	15°49	T 8
W 9	19 44 2	25°18'52	4°13	18°36	1°13	9°38	20°26	4° 9	19°45	26°49	4°59	27°10	28°22	4° 6	15°57	W 9
T 10	19 47 59	26°16'11	17°23	18°50	1°32	10°19	20°38	4°16	19°44	26°48	4°58	27° 8	28°19	4°13	16° 5	T 10
F 11	19 51 56	27°13'30	29°56	19° 0	1°48	10°59	20°51	4°24	19°43	26°46	4°57	27° 5	28°15	4°20	16°13	F 11
S 12	19 55 52	28°10'50	12°15	19°R 4	2° 3	11°40	21° 3	4°32	19°42	26°44	4°56	27° 1	28°12	4°26	16°20	S 12
S 13	19 59 49	29° 8'11	24°23	19° 4	2°16	12°21	21°16	4°39	19°40	26°43	4°55	26°56	28° 9	4°33	16°28	S 13
M14	20 3 45	0°15'32	6°33	18°59	2°26	13° 1	21°28	4°47	19°39	26°41	4°55	26°52	28° 6	4°40	16°36	M14
T 15	20 7 42	1° 2'54	18°17	18°48	2°35	13°42	21°41	4°55	19°38	26°40	4°54	26°48	28° 3	4°46	16°44	T 15
W16	20 11 38	2° 0'16	0°18 8	18°32	2°41	14°22	21°53	5° 2	19°36	26°38	4°53	26°45	28° 0	4°53	16°52	W16
T 17	20 15 35	2°57'40	11°56	18°11	2°45	15° 2	22° 6	5°10	19°35	26°36	4°53	26°42	27°56	5° 0	17° 0	T 17
F 18	20 19 32	3°55'04	23°45	17°46	2°R47	15°43	22°19	5°18	19°34	26°35	4°52	26°D42	27°53	5° 6	17° 8	F 18
S 19	20 23 28	4°52'30	5°13 6	17°15	2°46	16°23	22°31	5°26	19°32	26°33	4°51	26°42	27°50	5°13	17°15	S 19
S 20	20 27 25	5°49'57	17°33	16°40	2°43	17° 3	22°44	5°33	19°31	26°31	4°51	26°43	27°47	5°20	17°23	S 20
M21	20 31 21	6°47'24	29°39	16° 2	2°38	17°43	22°57	5°41	19°29	26°30	4°50	26°44	27°44	5°26	17°31	M21
T 22	20 35 18	7°44'53	11°57	15°19	2°30	18°23	23°10	5°49	19°27	26°28	4°50	26°46	27°40	5°33	17°39	T 22
W23	20 39 14	8°42'24	24°32	14°34	2°20	19° 3	23°23	5°56	19°26	26°27	4°49	26°47	27°37	5°40	17°47	W23
T 24	20 43 11	9°39'56	7°18 6	13°47	2° 8	19°42	23°35	6° 4	19°24	26°25	4°49	26°R47	27°34	5°46	17°55	T 24
F 25	20 47 7	10°37'29	20°44	12°59	1°53	20°22	23°48	6°12	19°22	26°24	4°48	26°47	27°31	5°53	18° 3	F 25
S 26	20 51 4	11°35'04	4°11 27	12°10	1°36	21° 2	24° 1	6°20	19°21	26°22	4°48	26°46	27°28	6° 0	18°11	S 26
S 27	20 55 1	12°32'40	18°37	11°22	1°17	21°41	24°14	6°27	19°19	26°20	4°48	26°45	27°25	6° 6	18°19	S 27
M28	20 58 57	13°30'18	3°11 5	10°35	0°56	22°21	24°27	6°35	19°17	26°19	4°47	26°43	27°21	6°13	18°28	M28
T 29	21 2 54	14°27'57	18° 5	9°50	0°32	23° 0	24°40	6°43	19°15	26°17	4°47	26°42	27°18	6°20	18°36	T 29
W30	21 6 50	15°25'38	3°12 9	9° 9	0° 6	23°39	24°53	6°50	19°14	26°16	4°47	26°41	27°15	6°26	18°44	W30
T 31	21 10 47	16°12'30	18°12 23	8°12 32	29°13 9	24°11 18	25°16 6	6°58 8	19°12 12	26°14 14	4°46 16	26°40 12	27°12 12	6°33 12	18°52 12	T 31

Delta T = 279.65 sec

Julian Calendar 1 July 1505 == Greg. Calendar 11 July 1505

AUGUST 1505 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	21 14 43	17°12'03	3°17 28	8°R 0	29°R10	24°11 58	25°19 19	7°08 6	19°R10	26°R13	4°R46	26°D40	27°19 9	6°13 39	19°01 0	F 1
S 2	21 18 40	18°18'48	18°20	7°13 33	28°13 38	25°37	25°32	7°13	19°X 8	26°Z11	4°X46	26°X41	27° 5	6°46	19° 8	S 2
S 3	21 22 36	19°16'33	2°15 50	7°13	28° 6	26°16	25°45	7°21	19° 6	26°10	4°46	26°41	27° 2	6°53	19°16	S 3
M 4	21 26 33	20°14'20	16°55	7° 0	27°32	26°54	25°58	7°29	19° 4	26° 8	4°46	26°42	26°59	6°59	19°24	M 4
T 5	21 30 30	21°12'08	0°13 34	6°D54	26°57	27°33	26°11	7°36	19° 2	26° 7	4°46	26°42	26°56	7° 6	19°32	T 5
W 6	21 34 26	22° 9'58	13°47	6°55	26°21	28°12	26°24	7°44	19° 0	26° 6	4°46	26°43	26°53	7°13	19°40	W 6
T 7	21 38 23	23° 7'48	26°37	7° 4	25°45	28°50	26°37	7°51	18°58	26° 4	4°D46	26°R43	26°50	7°19	19°48	T 7
F 8	21 42 19	24° 5'40	9°17 7	7°21	25° 8	29°29	26°50	7°59	18°56	26° 3	4°46	26°42	26°46	7°26	19°56	F 8
S 9	21 46 16	25° 3'33	21°21	7°46	24°31	0°15 7	27° 3	8° 6	18°53	26° 1	4°46	26°42	26°43	7°33	20° 5	S 9
S 10	21 50 12	26° 1'27	3°13 23	8°19	23°53	0°46	27°16	8°14	18°51	26° 0	4°46	26°42	26°40	7°39	20°13	S 10
M11	21 54 9	26°59'23	15°17	8°59	23°16	1°24	27°29	8°21	18°49	25°59	4°46	26°D42	26°37	7°46	20°21	M11
T 12	21 58 5	27°57'20	27° 7	9°47	22°40	2° 2	27°42	8°29	18°47	25°57	4°46	26°42	26°34	7°53	20°29	T 12
W13	22 2 2	28°55'19	8°15 55	10°42	22° 4	2°40	27°55	8°36	18°45	25°56	4°46	26°42	26°31	7°59	20°37	W13
T 14	22 5 59	29°53'19	20°45	11°45	21°30	3°18	28° 8	8°44	18°42	25°55	4°47	26°R43	26°27	8° 6	20°45	T 14
F 15	22 9 55	0°15'120	2°13 38	12°54	20°56	3°56	28°21	8°51	18°40	25°53	4°47	26°43	26°24	8°13	20°53	F 15
S 16	22 13 52	1°49'24	14°37	14° 9	20°24	4°34	28°34	8°58	18°38	25°52	4°47	26°42	26°21	8°19	21° 1	S 16
S 17	22 17 48	2°47'29	26°44	15°30	19°53	5°11	28°47	9° 6	18°36	25°51	4°48	26°42	26°18	8°26	21° 9	S 17
M18	22 21 45	3°45'36	9°17 1	16°57	19°25	5°49	29° 0	9°13	18°33	25°50	4°48	26°41	26°15	8°33	21°17	M18
T 19	22 25 41	4°43'44	21°30	18°28	18°58	6°26	29°13	9°20	18°31	25°49	4°48	26°40	26°11	8°39	21°25	T 19
W20	22 29 38	5°41'55	4°13 13	20° 3	18°33	7° 4	29°26	9°27	18°29	25°47	4°49	26°39	26° 8	8°46	21°33	W20
T 21	22 33 34	6°40'08	17°12	21°43	18°10	7°41	29°39	9°35	18°26	25°46	4°49	26°38	26° 5	8°53	21°41	T 21
F 22	22 37 31	7°38'23	0°11 29	23°26	17°49	8°18	29°52	9°42	18°24	25°45	4°50	26°37	26° 2	8°59	21°49	F 22
S 23	22 41 27	8°36'40	14° 7	25°11	17°31	8°56	0°17 5	9°49	18°22	25°44	4°50	26°D37	25°59	9° 6	21°57	S 23
S 24	22 45 24	9°34'59	28° 4	26°59	17°15	9°33	0°18	9°56	18°19	25°43	4°51	26°38	25°56	9°13	22° 5	S 24
M25	22 49 21	10°33'20	12°12 22	28°48	17° 2	10° 9	0°31	10° 3	18°17	25°42	4°51	26°39	25°52	9°19	22°13	M25
T 26	22 53 17	11°31'43	26°59	0°17 40	16°51	10°46	0°44	10°10	18°15	25°41	4°52	26°40	25°49	9°26	22°20	T 26
W27	22 57 14	12°30'09	11°12 48	2°32	16°42	11°23	0°57	10°17	18°12	25°40	4°53	26°41	25°46	9°32	22°28	W27
T 28	23 1 10	13°28'36	26°45	4°25	16°36	12° 0	1°10	10°24	18°10	25°39	4°53	26°R41	25°43	9°39	22°36	T 28
F 29	23 5 7	14°27'06	11°17 42	6°18	16°32	12°36	1°23	10°31	18° 7	25°38	4°54	26°41	25°40	9°46	22°44	F 29
S 30	23 9 3	15°25'37	26°31	8°11	16°D30	13°13	1°36	10°38	18° 5	25°37	4°55	26°39	25°37	9°52	22°52	S 30
S 31	23 13 0	16°17'40	11°15 3	10°17 5	16°12 31	13°15 49	1°17 49	10°44 44	18°12 3	25°36 36	4°56 16	26°37 12	25°33 12	9°59 12	22°59 12	S 31

Delta T = 279.46 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1505

geocentric

SEPTEMBER 1505 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	23 16 56	17 ¹⁷ 22'45	25 ¹¹ 13	11 ¹⁷ 58	16 ¹⁶ 34	14 ¹⁴ 25	2 ² 11	10 ¹⁰ 51	18 ¹⁸ R 0	25 ²⁵ R35	4 ⁴ 56	26 ²⁶ R34	25 ²⁵ 30	10 ¹⁰ 36	23 ²³ 12	M 1
T 2	23 20 53	18 ¹⁸ 21'22	8 ⁸ 11	13 ¹³ 51	16 ¹⁶ 40	15 ¹⁵ 1	2 ² 14	10 ¹⁰ 58	17 ¹⁷ 58	25 ²⁵ 35	4 ⁴ 57	26 ²⁶ 31	25 ²⁵ 27	10 ¹⁰ 12	23 ²³ 15	T 2
W 3	23 24 50	19 ¹⁹ 20'00	22 ²² 17	15 ¹⁵ 43	16 ¹⁶ 48	15 ¹⁵ 37	2 ² 27	11 ¹¹ 5	17 ¹⁷ 55	25 ²⁵ 34	4 ⁴ 58	26 ²⁶ 29	25 ²⁵ 24	10 ¹⁰ 19	23 ²³ 23	W 3
T 4	23 28 46	20 ²⁰ 18'40	5 ⁵ 11	17 ¹⁷ 34	16 ¹⁶ 57	16 ¹⁶ 13	2 ² 40	11 ¹¹ 11	17 ¹⁷ 53	25 ²⁵ 33	4 ⁴ 59	26 ²⁶ 27	25 ²⁵ 21	10 ¹⁰ 26	23 ²³ 30	T 4
F 5	23 32 43	21 ²¹ 17'22	17 ¹⁷ 43	19 ¹⁹ 25	17 ¹⁷ 9	16 ¹⁶ 49	2 ² 53	11 ¹¹ 18	17 ¹⁷ 51	25 ²⁵ 32	5 ⁵ 0	26 ²⁶ D26	25 ²⁵ 17	10 ¹⁰ 32	23 ²³ 38	F 5
S 6	23 36 39	22 ²² 16'06	29 ²⁹ 57	21 ²¹ 15	17 ¹⁷ 23	17 ¹⁷ 24	3 ³ 5	11 ¹¹ 24	17 ¹⁷ 48	25 ²⁵ 32	5 ⁵ 1	26 ²⁶ 26	25 ²⁵ 14	10 ¹⁰ 39	23 ²³ 45	S 6
S 7	23 40 36	23 ²³ 14'52	11 ¹¹ 35	23 ²³ 5	17 ¹⁷ 39	18 ¹⁸ 0	3 ³ 18	11 ¹¹ 31	17 ¹⁷ 46	25 ²⁵ 31	5 ⁵ 2	26 ²⁶ 27	25 ²⁵ 11	10 ¹⁰ 46	23 ²³ 53	S 7
M 8	23 44 32	24 ²⁴ 13'39	23 ²³ 49	24 ²⁴ 53	17 ¹⁷ 57	18 ¹⁸ 35	3 ³ 31	11 ¹¹ 37	17 ¹⁷ 43	25 ²⁵ 30	5 ⁵ 3	26 ²⁶ 29	25 ²⁵ 8	10 ¹⁰ 52	24 ²⁴ 0	M 8
T 9	23 48 29	25 ²⁵ 12'28	5 ⁵ 37	26 ²⁶ 41	18 ¹⁸ 17	19 ¹⁹ 10	3 ³ 43	11 ¹¹ 43	17 ¹⁷ 41	25 ²⁵ 30	5 ⁵ 4	26 ²⁶ 31	25 ²⁵ 5	10 ¹⁰ 59	24 ²⁴ 8	T 9
W10	23 52 25	26 ²⁶ 11'18	17 ¹⁷ 26	28 ²⁸ 27	18 ¹⁸ 39	19 ¹⁹ 45	3 ³ 56	11 ¹¹ 50	17 ¹⁷ 39	25 ²⁵ 29	5 ⁵ 5	26 ²⁶ 32	25 ²⁵ 2	11 ¹¹ 6	24 ²⁴ 15	W10
T 11	23 56 22	27 ²⁷ 10'11	29 ²⁹ 19	0 ⁰ 13	19 ¹⁹ 3	20 ²⁰ 20	4 ⁴ 8	11 ¹¹ 56	17 ¹⁷ 36	25 ²⁵ 28	5 ⁵ 6	26 ²⁶ R32	24 ²⁴ 58	11 ¹¹ 12	24 ²⁴ 23	T 11
F 12	0 0 19	28 ²⁸ 9'05	11 ¹¹ 31	1 ¹ 58	19 ¹⁹ 28	20 ²⁰ 55	4 ⁴ 21	12 ¹² 2	17 ¹⁷ 34	25 ²⁵ 28	5 ⁵ 7	26 ²⁶ 31	24 ²⁴ 55	11 ¹¹ 19	24 ²⁴ 30	F 12
S 13	0 4 15	29 ²⁹ 8'02	23 ²³ 30	3 ³ 42	19 ¹⁹ 55	21 ²¹ 30	4 ⁴ 33	12 ¹² 8	17 ¹⁷ 31	25 ²⁵ 27	5 ⁵ 9	26 ²⁶ 29	24 ²⁴ 52	11 ¹¹ 25	24 ²⁴ 37	S 13
S 14	0 8 12	0 ⁰ 11	5 ⁵ 15	5 ⁵ 25	20 ²⁰ 23	22 ²² 5	4 ⁴ 45	12 ¹² 14	17 ¹⁷ 29	25 ²⁵ 27	5 ⁵ 10	26 ²⁶ 24	24 ²⁴ 49	11 ¹¹ 32	24 ²⁴ 44	S 14
M15	0 12 8	1 ¹ 6'00	18 ¹⁸ 25	7 ⁷ 7	20 ²⁰ 54	22 ²² 39	4 ⁴ 58	12 ¹² 20	17 ¹⁷ 27	25 ²⁵ 26	5 ⁵ 11	26 ²⁶ 19	24 ²⁴ 46	11 ¹¹ 39	24 ²⁴ 52	M15
T 16	0 16 5	2 ² 5'03	1 ¹ 13	8 ⁸ 48	21 ²¹ 25	23 ²³ 13	5 ⁵ 10	12 ¹² 26	17 ¹⁷ 24	25 ²⁵ 26	5 ⁵ 12	26 ²⁶ 13	24 ²⁴ 43	11 ¹¹ 45	24 ²⁴ 59	T 16
W17	0 20 1	3 ³ 4'08	14 ¹⁴ 13	10 ¹⁰ 28	21 ²¹ 58	23 ²³ 48	5 ⁵ 22	12 ¹² 32	17 ¹⁷ 22	25 ²⁵ 26	5 ⁵ 14	26 ²⁶ 7	24 ²⁴ 39	11 ¹¹ 52	25 ²⁵ 6	W17
T 18	0 23 58	4 ⁴ 3'15	27 ²⁷ 26	12 ¹² 8	22 ²² 33	24 ²⁴ 22	5 ⁵ 35	12 ¹² 38	17 ¹⁷ 20	25 ²⁵ 25	5 ⁵ 15	26 ²⁶ 1	24 ²⁴ 36	11 ¹¹ 59	25 ²⁵ 13	T 18
F 19	0 27 54	5 ⁵ 2'25	10 ¹⁰ 11	13 ¹³ 47	23 ²³ 9	24 ²⁴ 56	5 ⁵ 47	12 ¹² 44	17 ¹⁷ 18	25 ²⁵ 25	5 ⁵ 16	25 ²⁵ 57	24 ²⁴ 33	12 ¹² 5	25 ²⁵ 20	F 19
S 20	0 31 51	6 ⁶ 1'37	24 ²⁴ 32	15 ¹⁵ 25	23 ²³ 46	25 ²⁵ 30	5 ⁵ 59	12 ¹² 49	17 ¹⁷ 15	25 ²⁵ 25	5 ⁵ 18	25 ²⁵ 55	24 ²⁴ 30	12 ¹² 12	25 ²⁵ 27	S 20
S 21	0 35 48	7 ⁷ 0'51	8 ⁸ 24	17 ¹⁷ 2	24 ²⁴ 24	26 ²⁶ 3	6 ⁶ 11	12 ¹² 55	17 ¹⁷ 13	25 ²⁵ 24	5 ⁵ 19	25 ²⁵ D54	24 ²⁴ 27	12 ¹² 19	25 ²⁵ 34	S 21
M22	0 39 44	8 ⁸ 0'07	22 ²² 29	18 ¹⁸ 38	25 ²⁵ 4	26 ²⁶ 37	6 ⁶ 23	13 ¹³ 0	17 ¹⁷ 11	25 ²⁵ 24	5 ⁵ 21	25 ²⁵ 55	24 ²⁴ 23	12 ¹² 25	25 ²⁵ 41	M22
T 23	0 43 41	8 ⁸ 59'26	6 ⁶ 14	20 ²⁰ 14	25 ²⁵ 45	27 ²⁷ 10	6 ⁶ 35	13 ¹³ 6	17 ¹⁷ 9	25 ²⁵ 24	5 ⁵ 22	25 ²⁵ 56	24 ²⁴ 20	12 ¹² 32	25 ²⁵ 48	T 23
W24	0 47 37	9 ⁹ 58'48	5 ⁵ 12	21 ²¹ 49	26 ²⁶ 26	27 ²⁷ 44	6 ⁶ 47	13 ¹³ 11	17 ¹⁷ 7	25 ²⁵ 24	5 ⁵ 24	25 ²⁵ R57	24 ²⁴ 17	12 ¹² 39	25 ²⁵ 54	W24
T 25	0 51 34	10 ¹⁰ 58'11	21 ²¹ 45	23 ²³ 23	27 ²⁷ 9	28 ²⁸ 17	6 ⁶ 59	13 ¹³ 16	17 ¹⁷ 4	25 ²⁵ 24	5 ⁵ 25	25 ²⁵ 57	24 ²⁴ 14	12 ¹² 45	26 ²⁶ 1	T 25
F 26	0 55 30	11 ¹¹ 57'37	20 ²⁰ 20	24 ²⁴ 57	27 ²⁷ 53	28 ²⁸ 50	7 ⁷ 11	13 ¹³ 22	17 ¹⁷ 2	25 ²⁵ 24	5 ⁵ 27	25 ²⁵ 55	24 ²⁴ 11	12 ¹² 52	26 ²⁶ 8	F 26
S 27	0 59 27	12 ¹² 57'05	4 ⁴ 51	26 ²⁶ 29	28 ²⁸ 38	29 ²⁹ 22	7 ⁷ 22	13 ¹³ 27	17 ¹⁷ 0	25 ²⁵ 24	5 ⁵ 28	25 ²⁵ 50	24 ²⁴ 8	12 ¹² 59	26 ²⁶ 14	S 27
S 28	1 3 23	13 ¹³ 56'35	19 ¹⁹ 11	28 ²⁸ 1	29 ²⁹ 24	29 ²⁹ 55	7 ⁷ 34	13 ¹³ 32	16 ¹⁶ 58	25 ²⁵ D24	5 ⁵ 30	25 ²⁵ 44	24 ²⁴ 4	13 ¹³ 5	26 ²⁶ 21	S 28
M29	1 7 20	14 ¹⁴ 56'07	3 ³ 15	29 ²⁹ 33	0 ⁰ 11	0 ⁰ 128	7 ⁷ 46	13 ¹³ 37	16 ¹⁶ 56	25 ²⁵ 24	5 ⁵ 31	25 ²⁵ 36	24 ²⁴ 1	13 ¹³ 12	26 ²⁶ 27	M29
T 30	1 11 17	15 ¹⁵ 55'41	16 ¹⁶ 58	1 ¹ 11	0 ⁰ 59	1 ¹ 11	7 ⁷ 57	13 ¹³ 42	16 ¹⁶ 54	25 ²⁵ 24	5 ⁵ 33	25 ²⁵ 27	23 ²³ 58	13 ¹³ 19	26 ²⁶ 13	T 30

Delta T = 279.27 sec

Julian Calendar 1 Sept. 1505 == Greg. Calendar 11 Sept. 1505

OCTOBER 1505 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	1 15 13	16 ¹⁶ 55'17	0 ⁰ 18	2 ² 11	1 ¹ 48	1 ¹ 32	8 ⁸ 11	13 ¹³ 47	16 ¹⁶ R52	25 ²⁵ 24	5 ⁵ 35	25 ²⁵ R19	23 ²³ 55	13 ¹³ 25	26 ²⁶ 140	W 1
T 2	1 19 10	17 ¹⁷ 54'55	13 ¹³ 13	4 ⁴ 3	2 ² 37	2 ² 4	8 ⁸ 20	13 ¹³ 51	16 ¹⁶ 50	25 ²⁵ 24	5 ⁵ 36	25 ²⁵ 12	23 ²³ 52	13 ¹³ 32	26 ²⁶ 46	T 2
F 3	1 23 6	18 ¹⁸ 54'35	25 ²⁵ 47	5 ⁵ 32	3 ³ 27	2 ² 36	8 ⁸ 32	13 ¹³ 56	16 ¹⁶ 48	25 ²⁵ 24	5 ⁵ 38	25 ²⁵ 7	23 ²³ 48	13 ¹³ 38	26 ²⁶ 52	F 3
S 4	1 27 3	19 ¹⁹ 54'16	8 ⁸ 32	7 ⁷ 0	4 ⁴ 18	3 ³ 7	8 ⁸ 43	14 ¹⁴ 1	16 ¹⁶ 46	25 ²⁵ 24	5 ⁵ 40	25 ²⁵ 4	23 ²³ 45	13 ¹³ 45	26 ²⁶ 59	S 4
S 5	1 30 59	20 ²⁰ 53'59	20 ²⁰ 3	8 ⁸ 27	5 ⁵ 10	3 ³ 39	8 ⁸ 54	14 ¹⁴ 5	16 ¹⁶ 44	25 ²⁵ 24	5 ⁵ 42	25 ²⁵ D 3	23 ²³ 42	13 ¹³ 52	27 ²⁷ 5	S 5
M 6	1 34 56	21 ²¹ 53'44	1 ¹ 54	9 ⁹ 54	6 ⁶ 2	4 ⁴ 10	9 ⁹ 5	14 ¹⁴ 10	16 ¹⁶ 43	25 ²⁵ 25	5 ⁵ 43	25 ²⁵ 4	23 ²³ 39	13 ¹³ 58	27 ²⁷ 11	M 6
T 7	1 38 52	22 ²² 53'31	13 ¹³ 42	11 ¹¹ 20	6 ⁶ 55	4 ⁴ 41	9 ⁹ 16	14 ¹⁴ 14	16 ¹⁶ 41	25 ²⁵ 25	5 ⁵ 45	25 ²⁵ 5	23 ²³ 36	14 ¹⁴ 5	27 ²⁷ 17	T 7
W 8	1 42 49	23 ²³ 53'19	25 ²⁵ 32	12 ¹² 45	7 ⁷ 49	5 ⁵ 12	9 ⁹ 27	14 ¹⁴ 18	16 ¹⁶ 39	25 ²⁵ 25	5 ⁵ 47	25 ²⁵ R 5	23 ²³ 33	14 ¹⁴ 12	27 ²⁷ 23	W 8
T 9	1 46 46	24 ²⁴ 53'09	7 ⁷ 48	14 ¹⁴ 9	8 ⁸ 44	5 ⁵ 43	9 ⁹ 38	14 ¹⁴ 22	16 ¹⁶ 37	25 ²⁵ 25	5 ⁵ 49	25 ²⁵ 4	23 ²³ 29	14 ¹⁴ 18	27 ²⁷ 28	T 9
F 10	1 50 42	25 ²⁵ 53'01	19 ¹⁹ 35	15 ¹⁵ 33	9 ⁹ 39	6 ⁶ 13	9 ⁹ 49	14 ¹⁴ 26	16 ¹⁶ 35	25 ²⁵ 26	5 ⁵ 51	25 ²⁵ 1	23 ²³ 26	14 ¹⁴ 25	27 ²⁷ 34	F 10
S 11	1 54 39	26 ²⁶ 52'55	1 ¹ 56	16 ¹⁶ 56	10 ¹⁰ 34	6 ⁶ 44	10 ¹⁰ 0	14 ¹⁴ 30	16 ¹⁶ 34	25 ²⁵ 26	5 ⁵ 53	24 ²⁴ 56	23 ²³ 23	14 ¹⁴ 32	27 ²⁷ 40	S 11
S 12	1 58 35	27 ²⁷ 52'50	14 ¹⁴ 32	18 ¹⁸ 17	11 ¹¹ 31	7 ⁷ 14	10 ¹⁰ 10	14 ¹⁴ 34	16 ¹⁶ 32	25 ²⁵ 27	5 ⁵ 55	24 ²⁴ 48	23 ²³ 20	14 ¹⁴ 38	27 ²⁷ 45	S 12
M13	2 2 32	28 ²⁸ 52'47	27 ²⁷ 26	19 ¹⁹ 38	12 ¹² 27	7 ⁷ 44	10 ¹⁰ 21	14 ¹⁴ 38	16 ¹⁶ 31	25 ²⁵ 27	5 ⁵ 57	24 ²⁴ 37	23 ²³ 17	14 ¹⁴ 45	27 ²⁷ 51	M13
T 14	2 6 28	29 ²⁹ 52'47	10 ¹⁰ 36	20 ²⁰ 58	13 ¹³ 25	8 ⁸ 14	10 ¹⁰ 31	14 ¹⁴ 42	16 ¹⁶ 29	25 ²⁵ 28	5 ⁵ 59	24 ²⁴ 26	23 ²³ 14	14 ¹⁴ 52	27 ²⁷ 56	T 14
W15	2 10 25	0 ⁰ 15'24	21 ²¹ 1	22 ²² 16	14 ¹⁴ 23	8 ⁸ 43	10 ¹⁰ 42	14 ¹⁴ 45	16 ¹⁶ 27	25 ²⁵ 28	6 ⁶ 1	24 ²⁴ 15	23 ²³ 10	14 ¹⁴ 58	28 ²⁸ 1	W15
T16	2 14 21	1 ¹ 52'51	7 ⁷ 11	23 ²³ 34	15 ¹⁵ 21	9 ⁹ 12	10 ¹⁰ 52	14 ¹⁴ 49	16 ¹⁶ 26	25 ²⁵ 29	6 ⁶ 2	24 ²⁴ 4	23 ²³ 7	15 ¹⁵ 5	28 ²⁸ 7	T16
F 17	2 18 18	2 ² 52'57	21 ²¹ 24	24 ²⁴ 50	16 ¹⁶ 20	9 ⁹ 42	11 ¹¹ 2	14 ¹⁴ 52	16 ¹⁶ 25	25 ²⁵ 29	6 ⁶ 5	23 ²³ 56	23 ²³ 4	15 ¹⁵ 11	28 ²⁸ 12	F 17
S 18	2 22 15	3 ³ 53'04	5 ⁵ 51	26 ²⁶ 4	17 ¹⁷ 20	10 ¹⁰ 11	11 ¹¹ 13	14 ¹⁴ 56	16 ¹⁶ 23	25 ²⁵ 30	6 ⁶ 7	23 ²³ 50	23 ²³ 1	15 ¹⁵ 18	28 ²⁸ 17	S 18
S 19	2 26 11	4 ⁴ 53'14	19 ¹⁹ 15	27 ²⁷ 17	18 ¹⁸ 20	10 ¹⁰ 39	11 ¹¹ 23	14 ¹⁴ 59	16 ¹⁶ 22	25 ²⁵ 31	6 ⁶ 9	23 ²³ 47	22 ²² 58	15 ¹⁵ 25	28 ²⁸ 22	S 19
M20	2 30 8	5 ⁵ 53'25	3 ³ 18	28 ²⁸ 28	19 ¹⁹ 20	11 ¹¹ 8	11 ¹¹ 33	15 ¹⁵ 2	16 ¹⁶ 20	25 ²⁵ 32	6 ⁶ 11	23 ²³ D46	22 ²² 54	15 ¹⁵ 31	28 ²⁸ 27	M20
T 21	2 34 4	6 ⁶ 53'39	17 ¹⁷ 24	29 ²⁹ 37	20 ²⁰ 21	11 ¹¹ 36	11 ¹¹ 42	15 ¹⁵ 5	16 ¹⁶ 19	25 ²⁵ 32	6 ⁶ 13	23 ²³ R46	22 ²² 51	15 ¹⁵ 38	28 ²⁸ 32	T 21
W22	2 38 1	7 ⁷ 53'55	1 ¹ 11	30 ³⁰ 32	21 ²¹ 22	12 ¹² 4	11 ¹¹ 52	15 ¹⁵ 8	16 ¹⁶ 18	25 ²⁵ 33	6 ⁶ 15	23 ²³ 46	22 ²² 48	15 ¹⁵ 45	28 ²⁸ 36	W22
T 23	2 41 57	8 ⁸ 54'13	15 ¹⁵ 41	1 ¹ 47	22 ²² 23	12 ¹² 32	12 ¹² 2	15 ¹⁵ 11	16 ¹⁶ 17	25 ²⁵ 34	6 ⁶ 17	23 ²³ 44	22 ²² 45	15 ¹⁵ 51	28 ²⁸ 41	T 23
F 24	2 45 54	9 ⁹ 54'33	29 ²⁹ 49	2 ² 49	23 ²³ 25	12 ¹² 59	12 ¹² 11	15 ¹⁵ 14	16 ¹⁶ 16	25 ²⁵ 35	6 ⁶ 19	23 ²³ 40	22 ²² 42	15 ¹⁵ 58	28 ²⁸ 46	F 24
S 25	2 49 50	10 ¹⁰ 54'55	13 ¹³ 54	3 ³ 47	24 ²⁴ 28	13 ¹³ 26	12 ¹² 21	15 ¹⁵ 16	16 ¹⁶ 14	25 ²⁵ 36	6 ⁶ 21	23 ²³ 33	22 ²² 39	16 ¹⁶ 5	28 ²⁸ 50	S 25
S 26	2 53 47	11 ¹¹ 55'18	27 ²⁷ 51	4 ⁴ 41	25 ²⁵ 31	13 ¹³ 53	12 ¹² 30	15 ¹⁵ 19	16 ¹⁶ 13	25 ²⁵ 37	6 ⁶ 23	23 ²³ 23	22 ²² 35	16 ¹⁶ 11	28 ²⁸ 55	S 26
M27	2 57 43	12 ¹² 55'44	11 ¹¹ 11	5 ⁵ 31	26 ²⁶ 34	14 ¹⁴ 20	12 ¹² 39	15 ¹⁵ 21	16 ¹⁶ 12	25 ²⁵ 37	6 ⁶ 25	23 ²³ 11	22 ²² 32	16 ¹⁶ 18	28 ²⁸ 59	M27
T 28	3 1 40	13 ¹³ 56'11	25 ²⁵ 5	6 ⁶ 17	27 ²⁷ 37	14 ¹⁴ 46	12 ¹² 49	15 ¹⁵ 24	16 ¹⁶ 11	25 ²⁵ 38	6 ⁶ 28	22 ²² 58	22 ²² 29	16 ¹⁶ 25	29 ²⁹ 3	T 28
W29	3 5 37	14 ¹⁴ 56'40	8 ⁸ 15	6 ⁶ 57	28 ²⁸ 41	15 ¹⁵ 13	12 ¹² 58	15 ¹⁵ 26	16 ¹⁶ 11	25 ²⁵ 39	6 ⁶ 30	22 ²² 45	22 ²² 26	16 ¹⁶ 31	29 ²⁹ 7	W29
T 30	3 9 33	15 ¹⁵ 57'10	21 ²¹ 6	7 ⁷ 32	29 ²⁹ 45	15 ¹⁵ 38	13 ¹³ 7	15 ¹⁵ 28	16 ¹⁶ 10	25 ²⁵ 40	6 ⁶ 32	22 ²² 34	22 ²² 23	16 ¹⁶ 38	29 ²⁹ 11	T 30
F 31	3 13 30	16 ¹⁶ 57'42	3 ³ 37	8 ⁸ 10	0 ⁰ 50	16 ¹⁶ 14	13 ¹³ 15	15 ¹⁵ 30	16 ¹⁶ 11	25 ²⁵ 42	6 ⁶ 34	22 ²² 25	22 ²² 20	16 ¹⁶ 45	29 ²⁹ 15	F 31

ASTRODIENST EPHEMERIS for the year 1505

geocentric

NOVEMBER 1505 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	3 17 26	17 ¹⁷ 58'15	15 ²³ 51	8 ²⁷ 21	1 ¹⁵ 54	16 ⁰² 29	13 ¹⁷ 24	15 ⁰² 32	16 ⁰⁸ 8	25 ²³ 43	6 ²⁷ 36	22 ⁰⁸ 19	22 ²² 16	16 ²² 51	29 ⁰² 19	S 1
S 2	3 21 23	18 ⁰⁵ 58'50	27 ⁰⁵ 52	8 ⁰³ 34	2 ⁰⁵ 59	16 ⁰⁵ 54	13 ⁰³ 33	15 ⁰³ 33	16 ⁰⁸ 7	25 ⁰⁴ 44	6 ⁰³ 39	22 ²² 15	22 ⁰² 13	16 ⁰⁵ 58	29 ⁰² 23	S 2
M 3	3 25 19	19 ⁰⁵ 59'25	9 ²² 43	8 ⁰⁸ R38	4 ⁰⁵ 5	17 ⁰¹ 19	13 ⁰⁴ 41	15 ⁰³ 35	16 ⁰⁷ 7	25 ⁰⁴ 45	6 ⁰⁴ 41	22 ⁰² 14	22 ⁰² 10	17 ⁰⁴ 4	29 ⁰² 26	M 3
T 4	3 29 16	21 ⁰⁰ 00'02	21 ⁰³ 31	8 ⁰³ 33	5 ⁰¹ 10	17 ⁰⁴ 43	13 ⁰⁴ 49	15 ⁰³ 37	16 ⁰⁶ 6	25 ⁰⁴ 46	6 ⁰⁴ 43	22 ⁰² 14	22 ⁰² 07	17 ⁰¹ 11	29 ⁰² 30	T 4
W 5	3 33 13	22 ⁰⁰ 04'00	3 ⁰⁸ 20	8 ⁰¹ 18	6 ⁰¹ 16	18 ⁰⁷ 7	13 ⁰⁵ 57	15 ⁰³ 38	16 ⁰⁵ 5	25 ⁰⁴ 47	6 ⁰⁴ 45	22 ⁰² 14	22 ⁰² 04	17 ⁰¹ 18	29 ⁰² 33	W 5
T 6	3 37 9	23 ⁰¹ 12'00	15 ⁰¹ 17	7 ⁰⁵ 53	7 ⁰² 22	18 ⁰³ 31	14 ⁰⁵ 5	15 ⁰³ 39	16 ⁰⁵ 5	25 ⁰⁴ 49	6 ⁰⁴ 48	22 ⁰² 12	22 ⁰² 00	17 ⁰² 24	29 ⁰² 36	T 6
F 7	3 41 6	24 ⁰² 00'00	27 ⁰² 26	7 ⁰¹ 16	8 ⁰² 29	18 ⁰⁵ 55	14 ⁰¹ 13	15 ⁰⁴ 41	16 ⁰⁴ 4	25 ⁰⁵ 50	6 ⁰⁵ 50	22 ⁰² 09	21 ⁰⁵ 57	17 ⁰³ 31	29 ⁰² 40	F 7
S 8	3 45 2	25 ⁰² 24'00	9 ⁰⁹ 52	6 ⁰³ 30	9 ⁰³ 35	19 ⁰¹ 18	14 ⁰² 21	15 ⁰⁴ 42	16 ⁰⁴ 4	25 ⁰⁵ 51	6 ⁰⁵ 52	22 ⁰² 03	21 ⁰⁵ 54	17 ⁰³ 38	29 ⁰² 43	S 8
S 9	3 48 59	26 ⁰³ 24'00	22 ⁰³ 39	5 ⁰³ 33	10 ⁰⁴ 42	19 ⁰⁴ 40	14 ⁰² 29	15 ⁰⁴ 43	16 ⁰⁴ 4	25 ⁰⁵ 53	6 ⁰⁵ 54	21 ⁰⁵ 54	21 ⁰⁵ 51	17 ⁰⁴ 44	29 ⁰² 46	S 9
M10	3 52 55	27 ⁰⁴ 08'00	5 ⁰⁸ 47	4 ⁰² 26	11 ⁰⁴ 49	20 ⁰³ 3	14 ⁰³ 36	15 ⁰⁴ 44	16 ⁰³ 3	25 ⁰⁵ 54	6 ⁰⁵ 57	21 ⁰⁵ 43	21 ⁰⁵ 48	17 ⁰⁵ 11	29 ⁰² 49	M10
T 11	3 56 52	28 ⁰⁴ 54'00	19 ⁰¹ 47	3 ⁰¹ 13	12 ⁰⁵ 56	20 ⁰² 25	14 ⁰⁴ 44	15 ⁰⁴ 45	16 ⁰³ 3	25 ⁰⁵ 55	6 ⁰⁵ 59	21 ⁰⁵ 30	21 ⁰⁵ 45	17 ⁰⁵ 58	29 ⁰² 51	T 11
W12	4 0 48	29 ⁰⁵ 40'00	3 ⁰¹ 11	1 ⁰⁵ 54	14 ⁰⁴ 4	20 ⁰⁴ 47	14 ⁰⁵ 51	15 ⁰⁴ 45	16 ⁰³ 3	25 ⁰⁵ 57	7 ⁰⁶ 1	21 ⁰⁵ 17	21 ⁰⁵ 41	18 ⁰⁴ 4	29 ⁰² 54	W12
T 13	4 4 45	0 ⁰⁷ 6'28	17 ⁰¹ 10	0 ⁰³ 31	15 ⁰¹ 12	21 ⁰⁸ 8	14 ⁰⁵ 58	15 ⁰⁴ 46	16 ⁰³ 3	25 ⁰⁵ 58	7 ⁰⁶ 4	21 ⁰⁵ 05	21 ⁰⁵ 38	18 ⁰¹ 11	29 ⁰² 57	T 13
F 14	4 8 42	1 ⁰⁷ 17'00	1 ⁰⁸ 23	29 ⁰¹ 11	16 ⁰² 20	21 ⁰² 29	15 ⁰⁵ 5	15 ⁰⁴ 46	16 ⁰² 2	26 ⁰⁰ 0	7 ⁰⁶ 6	20 ⁰⁵ 56	21 ⁰⁵ 35	18 ⁰¹ 18	29 ⁰² 59	F 14
S 15	4 12 38	2 ⁰⁸ 07'00	15 ⁰⁴ 41	27 ⁰⁴ 49	17 ⁰² 28	21 ⁰⁴ 49	15 ⁰⁵ 12	15 ⁰⁴ 47	16 ⁰² 2	26 ⁰¹ 1	7 ⁰⁸ 8	20 ⁰⁵ 49	21 ⁰⁵ 32	18 ⁰² 24	0 ⁰⁰ 2	S 15
S 16	4 16 35	3 ⁰⁸ 59'00	29 ⁰⁵ 59	26 ⁰³ 35	18 ⁰³ 36	22 ⁰¹ 10	15 ⁰⁵ 19	15 ⁰⁴ 47	16 ⁰² 2	26 ⁰³ 3	7 ⁰¹ 11	20 ⁰⁵ 45	21 ⁰⁵ 29	18 ⁰³ 31	0 ⁰⁰ 4	S 16
M17	4 20 31	4 ⁰⁹ 52'00	14 ⁰² 14	25 ⁰² 27	19 ⁰⁴ 45	22 ⁰² 29	15 ⁰⁵ 25	15 ⁰⁴ 47	16 ⁰² 2	26 ⁰⁴ 4	7 ⁰¹ 13	20 ⁰⁵ 44	21 ⁰⁵ 26	18 ⁰³ 38	0 ⁰⁰ 6	M17
T 18	4 24 28	5 ¹⁰ 47'00	28 ⁰² 23	24 ⁰² 29	20 ⁰⁵ 54	22 ⁰⁴ 49	15 ⁰⁵ 31	15 ⁰⁴ 47	16 ⁰² 2	26 ⁰⁶ 6	7 ⁰¹ 15	20 ⁰⁵ 44	21 ⁰⁵ 22	18 ⁰⁴ 44	0 ⁰⁰ 8	T 18
W19	4 28 24	6 ¹¹ 43'00	12 ⁰¹ 25	23 ⁰⁴ 22	22 ⁰³ 3	23 ⁰⁸ 8	15 ⁰⁵ 38	15 ⁰⁴ 47	16 ⁰³ 3	26 ⁰⁷ 7	7 ⁰¹ 18	20 ⁰⁵ 44	21 ⁰⁵ 19	18 ⁰⁵ 51	0 ⁰⁰ 10	W19
T 20	4 32 21	7 ¹² 40'00	26 ⁰² 20	23 ⁰⁶ 6	23 ⁰¹ 22	23 ⁰² 46	15 ⁰⁵ 44	15 ⁰⁴ 47	16 ⁰³ 3	26 ⁰⁹ 9	7 ⁰² 20	20 ⁰⁵ 42	21 ⁰⁵ 16	18 ⁰⁵ 57	0 ⁰⁰ 12	T 20
F 21	4 36 17	8 ¹³ 38'00	10 ⁰¹ 21	22 ⁰⁴ 41	24 ⁰² 21	23 ⁰⁴ 44	15 ⁰⁵ 50	15 ⁰⁴ 46	16 ⁰³ 3	26 ¹¹ 11	7 ⁰² 22	20 ⁰⁵ 39	21 ⁰⁵ 13	19 ⁰⁴ 4	0 ⁰⁰ 13	F 21
S 22	4 40 14	9 ¹⁴ 38'00	23 ⁰⁴ 47	22 ⁰² 27	25 ⁰³ 31	24 ⁰² 2	15 ⁰⁵ 56	15 ⁰⁴ 46	16 ⁰³ 3	26 ¹² 12	7 ⁰² 24	20 ⁰⁵ 32	21 ⁰⁵ 10	19 ⁰⁴ 11	0 ⁰⁰ 15	S 22
S 23	4 44 11	10 ¹⁵ 39'00	7 ⁰¹ 18	22 ⁰² D24	26 ⁰⁴ 40	24 ⁰¹ 19	16 ⁰¹ 1	15 ⁰⁵ 45	16 ⁰⁴ 4	26 ¹⁴ 14	7 ⁰² 27	20 ⁰⁵ 23	21 ⁰⁵ 06	19 ⁰⁴ 17	0 ⁰⁰ 16	S 23
M24	4 48 7	11 ¹⁶ 40'00	20 ⁰³ 37	22 ⁰³ 32	27 ⁰⁵ 50	24 ⁰³ 35	16 ⁰⁷ 7	15 ⁰⁵ 44	16 ⁰⁴ 4	26 ¹⁶ 16	7 ⁰² 29	20 ⁰⁵ 11	21 ⁰⁵ 03	19 ⁰⁴ 24	0 ⁰⁰ 18	M24
T 25	4 52 4	12 ¹⁷ 43'00	3 ⁰¹ 24	22 ⁰⁴ 49	29 ⁰⁰ 0	24 ⁰⁵ 52	16 ⁰¹ 12	15 ⁰⁵ 44	16 ⁰⁴ 4	26 ¹⁸ 18	7 ⁰³ 31	19 ⁰⁵ 09	21 ⁰⁵ 00	19 ⁰⁴ 31	0 ⁰⁰ 19	T 25
W26	4 56 0	13 ¹⁸ 47'00	16 ⁰³ 37	23 ⁰¹ 14	0 ⁰¹ 10	25 ⁰⁷ 7	16 ⁰¹ 17	15 ⁰⁵ 43	16 ⁰⁵ 5	26 ¹⁹ 19	7 ⁰³ 34	19 ⁰⁵ 07	20 ⁰⁵ 57	19 ⁰⁴ 37	0 ⁰⁰ 20	W26
T 27	4 59 57	14 ¹⁹ 52'00	29 ⁰¹ 15	23 ⁰⁴ 47	1 ⁰² 20	25 ⁰² 22	16 ⁰² 22	15 ⁰⁵ 42	16 ⁰⁵ 5	26 ²¹ 21	7 ⁰³ 36	19 ⁰⁵ 06	20 ⁰⁵ 54	19 ⁰⁴ 44	0 ⁰⁰ 21	T 27
F 28	5 3 53	15 ²⁰ 57'00	11 ⁰³ 37	24 ⁰² 26	2 ⁰³ 31	25 ⁰³ 37	16 ⁰² 27	15 ⁰⁵ 41	16 ⁰⁶ 6	26 ²³ 23	7 ⁰³ 38	19 ⁰⁵ 27	20 ⁰⁵ 51	19 ⁰⁴ 51	0 ⁰⁰ 22	F 28
S 29	5 7 50	16 ²² 03'00	23 ⁰⁴ 46	25 ⁰² 12	3 ⁰⁴ 41	25 ⁰⁵ 51	16 ⁰³ 31	15 ⁰⁵ 39	16 ⁰⁷ 7	26 ²⁵ 25	7 ⁰⁴ 41	19 ⁰⁵ 21	20 ⁰⁵ 47	19 ⁰⁴ 57	0 ⁰⁰ 23	S 29
S 30	5 11 46	17 ²³ 09'00	5 ⁰² 44	26 ⁰¹ 11	4 ⁰¹ 52	26 ⁰² 11	16 ⁰³ 36	15 ⁰⁵ 38	16 ⁰⁸ 8	26 ²⁷ 27	7 ⁰⁴ 43	19 ⁰⁵ 17	20 ⁰⁵ 44	20 ⁰⁵ 4	0 ⁰⁰ 23	S 30

Delta T = 278.90 sec

Julian Calendar 1 Nov. 1505 == Greg. Calendar 11 Nov. 1505

DECEMBER 1505 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	5 15 43	18 ²⁴ 16	17 ³⁴	27 ⁰	6 ¹¹	26 ¹⁸	16 ⁴⁰	15 ^{R37}	16 ⁸	26 ²⁸	7 ⁴⁵	19 ^{D16}	20 ⁴¹	20 ¹¹	0 ²⁴	M 1
T 2	5 19 40	19 ²⁵ 23	29 ²¹	28 ⁰	7 ¹³	26 ³⁰	16 ⁴⁴	15 ^{Ω35}	16 ⁹	26 ³⁰	7 ⁴⁸	19 ¹⁷	20 ³⁸	20 ¹⁷	0 ²⁴	T 2
W 3	5 23 36	20 ²⁶ 30	11 ¹¹	29 ³	8 ²⁴	26 ⁴²	16 ⁴⁸	15 ³³	16 ¹⁰	26 ³²	7 ⁵⁰	19 ¹⁸	20 ³⁵	20 ²⁴	0 ²⁵	W 3
T 4	5 27 33	21 ²⁷ 38	23 ⁴	0 ¹⁰	9 ³⁵	26 ⁵³	16 ⁵²	15 ³²	16 ¹¹	26 ³⁴	7 ⁵²	19 ^{R18}	20 ³²	20 ³⁰	0 ²⁵	T 4
F 5	5 31 29	22 ²⁸ 45	5 ¹²	1 ²⁰	10 ⁴⁶	27 ⁴	16 ⁵⁶	15 ³⁰	16 ¹²	26 ³⁶	7 ⁵⁴	19 ¹⁷	20 ²⁸	20 ³⁷	0 ^{R25}	F 5
S 6	5 35 26	23 ²⁹ 53	17 ³⁷	2 ³³	11 ⁵⁷	27 ¹⁴	16 ⁵⁹	15 ²⁸	16 ¹³	26 ³⁸	7 ⁵⁷	19 ¹⁴	20 ²⁵	20 ⁴⁴	0 ²⁵	S 6
S 7	5 39 22	24 ³¹ 01	0 ²⁴	3 ⁴⁷	13 ⁹	27 ²⁴	17 ²	15 ²⁶	16 ¹⁴	26 ⁴⁰	7 ⁵⁹	19 ⁹	20 ²²	20 ⁵⁰	0 ²⁵	S 7
M 8	5 43 19	25 ³² 10	13 ³⁷	5 ³	14 ²⁰	27 ³³	17 ⁵	15 ²³	16 ¹⁵	26 ⁴²	8 ¹	19 ¹	20 ¹⁹	20 ⁵⁷	0 ²⁴	M 8
T 9	5 47 15	26 ³³ 18	27 ¹⁶	6 ²¹	15 ³²	27 ⁴¹	17 ⁸	15 ²¹	16 ¹⁶	26 ⁴⁴	8 ³	18 ⁵³	20 ¹⁶	21 ⁴	0 ²⁴	T 9
W10	5 51 12	27 ³⁴ 27	11 ¹¹	7 ⁴¹	16 ⁴³	27 ⁴⁹	17 ¹¹	15 ¹⁹	16 ¹⁷	26 ⁴⁶	8 ⁶	18 ⁴⁴	20 ¹²	21 ¹⁰	0 ²³	W10
T 11	5 55 9	28 ³⁵ 36	25 ⁴³	9 ²	17 ⁵⁵	27 ⁵⁶	17 ¹⁴	15 ¹⁶	16 ¹⁸	26 ⁴⁸	8 ⁸	18 ³⁵	20 ⁹	21 ¹⁷	0 ²³	T 11
F 12	5 59 5	29 ³⁶ 45	10 ²¹	10 ²⁴	19 ⁷	28 ²	17 ¹⁶	15 ¹⁴	16 ²⁰	26 ⁵⁰	8 ¹⁰	18 ²⁸	20 ⁶	21 ²⁴	0 ²²	F 12
S 13	6 3 2	0 ³⁷ 54	25 ⁷	11 ⁴⁷	20 ¹⁹	28 ⁸	17 ¹⁸	15 ¹¹	16 ²¹	26 ⁵²	8 ¹²	18 ²⁴	20 ³	21 ³⁰	0 ²¹	S 13
S 14	6 6 58	1 ³⁹ 04	9 ⁵²	13 ¹¹	21 ³¹	28 ¹³	17 ²⁰	15 ⁸	16 ²²	26 ⁵⁴	8 ¹⁴	18 ²²	20 ⁰	21 ³⁷	0 ²⁰	S 14
M15	6 10 55	2 ⁴⁰ 14	24 ³⁰	14 ³⁵	22 ⁴³	28 ¹⁷	17 ²²	15 ⁵	16 ²⁴	26 ⁵⁷	8 ¹⁶	18 ^{D22}	19 ⁵⁷	21 ⁴⁴	0 ¹⁹	M15
T 16	6 14 51	3 ⁴¹ 24	8 ⁵⁶	16 ¹	23 ⁵⁵	28 ²⁰	17 ²³	15 ²	16 ²⁵	26 ⁵⁹	8 ¹⁹	18 ²³	19 ⁵³	21 ⁵⁰	0 ¹⁸	T 16
W17	6 18 48	4 ⁴² 34	23 ⁸	17 ²⁷	25 ⁷	28 ²³	17 ²⁵	14 ⁵⁹	16 ²⁷	27 ¹	8 ²¹	18 ²⁴	19 ⁵⁰	21 ⁵⁷	0 ¹⁷	W17
T 18	6 22 45	5 ⁴³ 45	7 ⁴	18 ⁵⁴	26 ²⁰	28 ²⁵	17 ²⁶	14 ⁵⁶	16 ²⁸	27 ³	8 ²³	18 ^{R24}	19 ⁴⁷	22 ⁴	0 ¹⁵	T 18
F 19	6 26 41	6 ⁴⁴ 56	20 ⁴³	20 ²²	27 ³²	28 ²⁷	17 ²⁷	14 ⁵³	16 ³⁰	27 ⁵	8 ²⁵	18 ²³	19 ⁴⁴	22 ¹⁰	0 ¹⁴	F 19
S 20	6 30 38	7 ⁴⁶ 07	4 ¹¹	21 ⁵⁰	28 ⁴⁵	28 ^{R27}	17 ²⁸	14 ⁵⁰	16 ³²	27 ⁷	8 ²⁷	18 ²¹	19 ⁴¹	22 ¹⁷	0 ¹²	S 20
S 21	6 34 34	8 ⁴⁷ 18	17 ¹⁹	23 ¹⁹	29 ⁵⁷	28 ²⁷	17 ²⁸	14 ⁴⁶	16 ³³	27 ⁹	8 ²⁹	18 ¹⁶	19 ³⁸	22 ²³	0 ¹¹	S 21
M22	6 38 31	9 ⁴⁸ 30	0 ¹⁶	24 ⁴⁸	1 ¹⁰	28 ²⁶	17 ²⁹	14 ⁴³	16 ³⁵	27 ¹²	8 ³¹	18 ¹⁰	19 ³⁴	22 ³⁰	0 ⁹	M22
T 23	6 42 27	10 ⁴⁹ 41	13 ⁰	26 ¹⁸	2 ²²	28 ²⁴	17 ²⁹	14 ³⁹	16 ³⁷	27 ¹⁴	8 ³³	18 ³	19 ³¹	22 ³⁷	0 ⁷	T 23
W24	6 46 24	11 ⁵⁰ 53	25 ³²	27 ⁴⁸	3 ³⁵	28 ²²	17 ^{R29}	14 ³⁶	16 ³⁹	27 ¹⁶	8 ³⁵	17 ⁵⁶	19 ²⁸	22 ⁴³	0 ⁵	W24
T 25	6 50 20	12 ⁵² 04	7 ⁵³	29 ¹⁹	4 ⁴⁸	28 ¹⁸	17 ²⁹	14 ³²	16 ⁴¹	27 ¹⁸	8 ³⁷	17 ⁵⁰	19 ²⁵	22 ⁵⁰	0 ³	T 25
F 26	6 54 17	13 ⁵³ 15	20 ³	0 ⁵¹	6 ¹	28 ¹⁴	17 ²⁹	14 ²⁸	16 ⁴³	27 ²¹	8 ³⁹	17 ⁴⁵	19 ²²	22 ⁵⁷	0 ⁰	F 26
S 27	6 58 14	14 ⁵⁴ 25	2 ⁴	2 ²²	7 ¹⁴	28 ⁹	17 ²⁸	14 ²⁴	16 ⁴⁵	27 ²³	8 ⁴¹	17 ⁴²	19 ¹⁸	23 ³	29 ^{Ω58}	S 27
S 28	7 2 10	15 ⁵⁵ 35	13 ⁵⁷	3 ⁵⁵	8 ²⁷	28 ⁴	17 ²⁷	14 ²⁰	16 ⁴⁷	27 ²⁵	8 ⁴³	17 ^{D40}	19 ¹⁵	23 ¹⁰	29 ⁵⁵	S 28
M29	7 6 7	16 ⁵⁶ 44	25 ⁴⁵	5 ²⁷	9 ⁴⁰	27 ⁵⁷	17 ²⁷	14 ¹⁶	16 ⁴⁹	27 ²⁷	8 ⁴⁵	17 ⁴¹	19 ¹²	23 ¹⁷	29 ⁵³	M29
T 30	7 10 3	17 ⁵⁷ 53	7 ³¹	7 ¹	10 ⁵³	27 ⁵⁰	17 ²⁵	14 ¹²	16 ⁵¹	27 ³⁰	8 ⁴⁷	17 ⁴²	19 ⁹	23 ²³	29 ⁵⁰	T 30
W31	7 14 0	18 ⁵⁹ 01	19 ¹¹	8 ³⁴	12 ¹⁶	27 ^{Ω41}	17 ²⁴	14 ^Ω	16 ⁵³	27 ³²	8 ⁴⁹	17 ⁴⁴	19 ⁶	23 ³⁰	29 ^{Ω48}	W31