



Astrodienst Ephemeris Tables for the year 1527

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 1527
geocentric

JANUARY 1527 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	7 17 36	19♌53'59	26♌53	25♌48	1♌56	2♌11	12°R 7	11°Y20	13°R 6	12°X38	20♌41	3°R42	2♌53	8♌6	9♌3	T 1
W 2	7 21 33	20°55'07	12♌3	27°30	3°11	2°44	12°II 2	11°23	13°II 4	12°40	20°43	3♌42	2°50	8°12	9°6	W 2
T 3	7 25 29	21°56'14	27°15	29°12	4°26	3°16	11°57	11°26	13°2	12°42	20°45	3°41	2°47	8°19	9°8	T 3
F 4	7 29 26	22°57'21	12♌21	0♌55	5°41	3°48	11°53	11°29	13°1	12°43	20°47	3°39	2°44	8°26	9°11	F 4
S 5	7 33 22	23°58'26	27°10	2°38	6°57	4°21	11°49	11°33	12°59	12°45	20°49	3°37	2°40	8°32	9°14	S 5
S 6	7 37 19	24°59'31	11♌36	4°21	8°12	4°53	11°44	11°36	12°57	12°46	20°50	3°34	2°37	8°39	9°17	S 6
M 7	7 41 15	26° 0'35	25°35	6° 4	9°27	5°24	11°40	11°40	12°55	12°48	20°52	3°31	2°34	8°46	9°20	M 7
T 8	7 45 12	27° 1'38	9♌6	7°47	10°42	5°56	11°37	11°43	12°54	12°50	20°54	3°29	2°31	8°52	9°23	T 8
W 9	7 49 9	28° 2'39	22° 9	9°30	11°57	6°28	11°33	11°47	12°52	12°52	20°56	3°28	2°28	8°59	9°26	W 9
T 10	7 53 5	29° 3'40	4♌48	11°12	13°12	7° 0	11°30	11°51	12°51	12°53	20°58	3°D28	2°25	9° 5	9°30	T 10
F 11	7 57 2	0♌4'39	17° 8	12°54	14°27	7°31	11°26	11°55	12°49	12°55	21° 0	3°29	2°21	9°12	9°33	F 11
S 12	8 0 58	1° 5'38	29°13	14°35	15°43	8° 2	11°23	11°59	12°48	12°57	21° 2	3°30	2°18	9°19	9°36	S 12
S 13	8 4 55	2° 6'35	11°II 7	16°16	16°58	8°34	11°20	12° 3	12°46	12°59	21° 4	3°32	2°15	9°25	9°39	S 13
M14	8 8 51	3° 7'31	22°55	17°55	18°13	9° 5	11°18	12° 7	12°45	13° 0	21° 6	3°34	2°12	9°32	9°42	M14
T 15	8 12 48	4° 8'25	4♌42	19°32	19°28	9°36	11°15	12°11	12°43	13° 2	21° 8	3°R34	2° 9	9°39	9°46	T 15
W16	8 16 44	5° 9'19	16°30	21° 7	20°43	10° 7	11°13	12°16	12°42	13° 4	21°10	3°33	2° 5	9°45	9°49	W16
T 17	8 20 41	6°10'11	28°21	22°40	21°58	10°37	11°11	12°20	12°41	13° 6	21°12	3°31	2° 2	9°52	9°52	T 17
F 18	8 24 38	7°11'02	10♌19	24° 9	23°13	11° 8	11° 9	12°25	12°40	13° 8	21°14	3°26	1°59	9°59	9°56	F 18
S 19	8 28 34	8°11'52	22°25	25°35	24°29	11°38	11° 8	12°29	12°39	13°10	21°16	3°21	1°56	10° 5	9°59	S 19
S 20	8 32 31	9°12'41	4♌40	26°56	25°44	12° 9	11° 6	12°34	12°37	13°12	21°18	3°14	1°53	10°12	10° 3	S 20
M21	8 36 27	10°13'28	17° 5	28°13	26°59	12°39	11° 5	12°39	12°36	13°14	21°20	3° 7	1°50	10°19	10° 6	M21
T 22	8 40 24	11°14'15	29°42	29°23	28°14	13° 9	11° 4	12°43	12°35	13°16	21°21	3° 1	1°46	10°25	10°10	T 22
W23	8 44 20	12°15'00	12♌32	0♌27	29°29	13°39	11° 3	12°48	12°34	13°18	21°23	2°56	1°43	10°32	10°13	W23
T 24	8 48 17	13°15'45	25°36	1°24	0♌44	14° 8	11° 3	12°53	12°33	13°20	21°25	2°52	1°40	10°39	10°17	T 24
F 25	8 52 13	14°16'28	8♌58	2°13	1°59	14°38	11° 2	12°58	12°33	13°22	21°27	2°D51	1°37	10°45	10°20	F 25
S 26	8 56 10	15°17'10	22°38	2°53	3°14	15° 7	11° 2	13° 4	12°32	13°24	21°29	2°51	1°34	10°52	10°24	S 26
S 27	9 0 7	16°17'52	6♌37	3°24	4°29	15°36	11°D 2	13° 9	12°31	13°26	21°31	2°52	1°31	10°58	10°27	S 27
M28	9 4 3	17°18'32	20°56	3°45	5°44	16° 6	11° 2	13°14	12°30	13°28	21°32	2°53	1°27	11° 5	10°31	M28
T 29	9 8 0	18°19'11	5♌32	3°56	6°59	16°34	11° 2	13°20	12°30	13°30	21°34	2°R54	1°24	11°12	10°35	T 29
W30	9 11 56	19°19'49	20°22	3°R56	8°15	17° 3	11° 3	13°25	12°29	13°32	21°36	2°52	1°21	11°18	10°38	W30
T 31	9 15 53	20°20'25	5♌20	3♌46	9♌30	17°II 32	11°II 4	13°Y31	12°II 29	13°X34	21°X38	2°X49	1°X18	11°X25	10°X42	T 31

Delta T = 231.27 sec

Julian Calendar 1 Jan. 1527 == Greg. Calendar 11 Jan. 1527

FEBRUARY 1527 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	9 19 49	21°21'00	20♌17	3°R25	10♌45	18°II 0	11°II 5	13°Y36	12°R28	13°X37	21°X40	2°R43	1♌15	11°X32	10°X46	F 1
S 2	9 23 46	22°21'33	5♌4	2♌55	12° 0	18°28	11° 6	13°42	12°II 28	13°39	21°41	2°X36	1°11	11°38	10°49	S 2
S 3	9 27 42	23°22'05	19°33	2°16	13°15	18°56	11° 7	13°48	12°27	13°41	21°43	2°27	1° 8	11°45	10°53	S 3
M 4	9 31 39	24°22'35	3°Y38	1°28	14°30	19°24	11° 9	13°53	12°27	13°43	21°45	2°19	1° 5	11°52	10°57	M 4
T 5	9 35 36	25°23'03	17°16	0°34	15°45	19°51	11°11	13°59	12°27	13°45	21°47	2°11	1° 2	11°58	11° 1	T 5
W 6	9 39 32	26°23'29	0♌26	29°35	17° 0	20°19	11°13	14° 5	12°26	13°47	21°48	2° 6	0°59	12° 5	11° 4	W 6
T 7	9 43 29	27°23'53	13°10	28°32	18°15	20°46	11°15	14°11	12°26	13°50	21°50	2° 3	0°56	12°12	11° 8	T 7
F 8	9 47 25	28°24'16	25°33	27°26	19°30	21°13	11°17	14°17	12°26	13°52	21°52	2°D 2	0°52	12°18	11°12	F 8
S 9	9 51 22	29°24'36	7°II 38	26°21	20°45	21°39	11°20	14°23	12°26	13°54	21°53	2° 2	0°49	12°25	11°16	S 9
S 10	9 55 18	0♌24'55	19°32	25°17	22° 0	22° 6	11°23	14°29	12°D26	13°56	21°55	2° 3	0°46	12°32	11°20	S 10
M11	9 59 15	1°25'11	1♌20	24°15	23°15	22°32	11°26	14°36	12°26	13°58	21°57	2°R 3	0°43	12°38	11°23	M11
T 12	10 3 11	2°25'25	13° 6	23°17	24°29	22°58	11°29	14°42	12°26	14° 1	21°58	2° 3	0°40	12°45	11°27	T 12
W13	10 7 8	3°25'38	24°56	22°24	25°44	23°24	11°32	14°48	12°26	14° 3	22° 0	2° 0	0°36	12°51	11°31	W13
T 14	10 11 5	4°25'48	6♌53	21°37	26°59	23°49	11°36	14°55	12°27	14° 5	22° 1	1°54	0°33	12°58	11°35	T 14
F 15	10 15 1	5°25'57	18°59	20°56	28°14	24°15	11°39	15° 1	12°27	14° 7	22° 3	1°46	0°30	13° 5	11°39	F 15
S 16	10 18 58	6°26'03	1♌17	20°22	29°29	24°40	11°43	15° 8	12°27	14°10	22° 4	1°36	0°27	13°11	11°43	S 16
S 17	10 22 54	7°26'07	13°48	19°54	0♌44	25° 4	11°47	15°14	12°27	14°12	22° 6	1°24	0°24	13°18	11°47	S 17
M18	10 26 51	8°26'10	26°32	19°34	1°59	25°29	11°52	15°21	12°28	14°14	22° 7	1°12	0°21	13°25	11°50	M18
T 19	10 30 47	9°26'11	9♌28	19°20	3°14	25°53	11°56	15°27	12°28	14°16	22° 9	1° 1	0°17	13°31	11°54	T 19
W20	10 34 44	10°26'10	22°36	19°13	4°28	26°17	12° 0	15°34	12°29	14°19	22°10	0°51	0°14	13°38	11°58	W20
T 21	10 38 40	11°26'07	5♌55	19°D12	5°43	26°41	12° 5	15°41	12°29	14°21	22°12	0°43	0°11	13°45	12° 2	T 21
F 22	10 42 37	12°26'03	19°25	19°18	6°58	27° 4	12°10	15°48	12°30	14°23	22°13	0°39	0° 8	13°51	12° 6	F 22
S 23	10 46 34	13°25'57	3♌7	19°30	8°13	27°27	12°15	15°54	12°31	14°26	22°14	0°37	0° 5	13°58	12°10	S 23
S 24	10 50 30	14°25'50	17° 0	19°47	9°28	27°50	12°21	16° 1	12°31	14°28	22°16	0°D36	0° 2	14° 5	12°14	S 24
M25	10 54 27	15°25'41	1♌5	20° 9	10°42	28°12	12°26	16° 8	12°32	14°30	22°17	0°R37	29°X58	14°11	12°17	M25
T 26	10 58 23	16°25'30	15°22	20°36	11°57	28°34	12°32	16°15	12°33	14°32	22°18	0°36	29°55	14°18	12°21	T 26
W27	11 2 20	17°25'17	29°48	21° 8	13°12	28°56	12°37	16°22	12°34	14°35	22°20	0°33	29°52	14°25	12°25	W27
T 28	11 6 16	18°X25'03	14°21	21°45	14°X27	29°II 18	12°II 43	16°Y29	12°II 35	14°X37	22°X21	0°X28	29°X49	14°X31	12°X29	T 28

Delta T = 231.08 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1527
geocentric

MARCH 1527 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	11 10 13	19°42'47"	28°54'	22°25'	15°41'	29°39'	12°49'	16°36'	12°36'	14°39'	22°22'	0°R20	29°46'	14°38'	12°33'	F 1
S 2	11 14 9	20°24'29"	13°22'	23°9'	16°56'	29°59'	12°56'	16°43'	12°37'	14°42'	22°23'	0°3 9	29°42'	14°44'	12°37'	S 2
S 3	11 18 6	21°24'08"	27°37'	23°57'	18°11'	0°20'	13°2'	16°51'	12°38'	14°44'	22°25'	29°57'	29°39'	14°51'	12°41'	S 3
M 4	11 22 3	22°23'46"	11°34'	24°48'	19°25'	0°40'	13°9'	16°58'	12°39'	14°46'	22°26'	29°45'	29°36'	14°58'	12°44'	M 4
T 5	11 25 59	23°23'22"	25°8'	25°42'	20°40'	0°59'	13°15'	17°5'	12°40'	14°48'	22°27'	29°34'	29°33'	15°4'	12°48'	T 5
W 6	11 29 56	24°22'55"	8°18'	26°39'	21°55'	1°18'	13°22'	17°12'	12°42'	14°51'	22°28'	29°25'	29°30'	15°11'	12°52'	W 6
T 7	11 33 52	25°22'26"	21°3'	27°39'	23°9'	1°37'	13°29'	17°19'	12°43'	14°53'	22°29'	29°18'	29°27'	15°18'	12°56'	T 7
F 8	11 37 49	26°21'55"	3°12'28"	28°42'	24°24'	1°56'	13°36'	17°27'	12°44'	14°55'	22°30'	29°15'	29°23'	15°24'	13°0'	F 8
S 9	11 41 45	27°21'22"	15°36'	29°47'	25°39'	2°14'	13°44'	17°34'	12°46'	14°57'	22°31'	29°13'	29°20'	15°31'	13°3'	S 9
S 10	11 45 42	28°20'46"	27°31'	0°54'	26°53'	2°31'	13°51'	17°41'	12°47'	15°0'	22°32'	29°13'	29°17'	15°38'	13°7'	S 10
M 11	11 49 38	29°20'09"	9°30'	2°4'	28°8'	2°48'	13°59'	17°49'	12°49'	15°2'	22°33'	29°13'	29°14'	15°44'	13°11'	M 11
T 12	11 53 35	0°19'28"	21°8'	3°15'	29°22'	3°5'	14°6'	17°56'	12°50'	15°4'	22°34'	29°12'	29°11'	15°51'	13°15'	T 12
W 13	11 57 32	1°18'46"	3°1'	4°29'	0°37'	3°21'	14°14'	18°4'	12°52'	15°6'	22°35'	29°9'	29°8'	15°58'	13°18'	W 13
T 14	12 1 28	2°18'01"	15°2'	5°45'	1°51'	3°37'	14°22'	18°11'	12°53'	15°8'	22°36'	29°3'	29°4'	16°4'	13°22'	T 14
F 15	12 5 25	3°17'13"	27°16'	7°3'	3°6'	3°52'	14°30'	18°19'	12°55'	15°11'	22°37'	28°55'	29°1'	16°11'	13°26'	F 15
S 16	12 9 21	4°16'24"	9°45'	8°23'	4°20'	4°7'	14°39'	18°26'	12°57'	15°13'	22°38'	28°44'	28°58'	16°18'	13°29'	S 16
S 17	12 13 18	5°15'32"	22°31'	9°44'	5°35'	4°21'	14°47'	18°34'	12°58'	15°15'	22°39'	28°31'	28°55'	16°24'	13°33'	S 17
M 18	12 17 14	6°14'38"	5°34'	11°7'	6°49'	4°35'	14°56'	18°41'	13°0'	15°17'	22°39'	28°18'	28°52'	16°31'	13°37'	M 18
T 19	12 21 11	7°13'42"	18°52'	12°32'	8°4'	4°49'	15°4'	18°49'	13°2'	15°19'	22°40'	28°6'	28°48'	16°38'	13°40'	T 19
W 20	12 25 7	8°12'45"	2°14'24"	13°59'	9°18'	5°1'	15°13'	18°56'	13°4'	15°21'	22°41'	27°55'	28°45'	16°44'	13°44'	W 20
T 21	12 29 4	9°11'45"	16°6'	15°27'	10°32'	5°14'	15°22'	19°4'	13°6'	15°23'	22°42'	27°47'	28°42'	16°51'	13°48'	T 21
F 22	12 33 0	10°10'43"	29°56'	16°57'	11°47'	5°25'	15°31'	19°11'	13°8'	15°26'	22°42'	27°42'	28°39'	16°57'	13°51'	F 22
S 23	12 36 57	11°9'40"	13°53'	18°28'	13°1'	5°37'	15°40'	19°19'	13°10'	15°28'	22°43'	27°40'	28°36'	17°4'	13°55'	S 23
S 24	12 40 54	12°8'35"	27°54'	20°1'	14°15'	5°47'	15°49'	19°26'	13°12'	15°30'	22°44'	27°D39	28°33'	17°11'	13°58'	S 24
M 25	12 44 50	13°7'28"	11°35'	21°36'	15°30'	5°57'	15°59'	19°34'	13°14'	15°32'	22°44'	27°R39	28°29'	17°17'	14°2'	M 25
T 26	12 48 47	14°6'20"	26°6'	23°12'	16°44'	6°7'	16°8'	19°42'	13°16'	15°34'	22°45'	27°39'	28°26'	17°24'	14°5'	T 26
W 27	12 52 43	15°5'09"	10°16'	24°50'	17°58'	6°15'	16°18'	19°49'	13°19'	15°36'	22°46'	27°37'	28°23'	17°31'	14°9'	W 27
T 28	12 56 40	16°3'57"	24°25'	26°29'	19°13'	6°24'	16°27'	19°57'	13°21'	15°38'	22°46'	27°32'	28°20'	17°37'	14°12'	T 28
F 29	13 0 36	17°2'44"	8°33'	28°10'	20°27'	6°31'	16°37'	20°5'	13°23'	15°40'	22°47'	27°24'	28°17'	17°44'	14°15'	F 29
S 30	13 4 33	18°1'28"	22°33'	29°52'	21°41'	6°38'	16°47'	20°12'	13°25'	15°42'	22°47'	27°15'	28°13'	17°51'	14°19'	S 30
S 31	13 8 29	19°0'10"	6°23'	1°36'	22°55'	6°44'	16°57'	20°20'	13°28'	15°44'	22°48'	27°4 4	28°10'	17°57'	14°22'	S 31

Delta T = 230.90 sec

Julian Calendar 1 March 1527 == Greg. Calendar 11 March 1527

APRIL 1527 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	13 12 26	19°58'51"	19°59'	3°22'	24°10'	6°50'	17°11'	20°28'	13°30'	15°46'	22°48'	26°R53	28°7 7	18°3 4	14°25'	M 1
T 2	13 16 23	20°57'30"	3°18'	5°9'	25°24'	6°55'	17°17'	20°35'	13°33'	15°48'	22°48'	26°42'	28°4'	18°11'	14°29'	T 2
W 3	13 20 19	21°56'06"	16°16'	6°58'	26°38'	6°59'	17°28'	20°43'	13°35'	15°50'	22°49'	26°34'	28°1'	18°17'	14°32'	W 3
T 4	13 24 16	22°54'41"	28°56'	8°48'	27°52'	7°2'	17°38'	20°50'	13°38'	15°52'	22°49'	26°28'	27°58'	18°24'	14°35'	T 4
F 5	13 28 12	23°53'13"	11°18'	10°41'	29°6'	7°5'	17°49'	20°58'	13°40'	15°54'	22°49'	26°25'	27°54'	18°31'	14°38'	F 5
S 6	13 32 9	24°51'44"	23°25'	12°34'	0°20'	7°7'	17°59'	21°6'	13°43'	15°56'	22°50'	26°D24	27°51'	18°37'	14°42'	S 6
S 7	13 36 5	25°50'12"	5°21'	14°29'	1°35'	7°9'	18°10'	21°13'	13°45'	15°57'	22°50'	26°24'	27°48'	18°44'	14°45'	S 7
M 8	13 40 2	26°48'38"	17°11'	16°26'	2°49'	7°R 9	18°21'	21°21'	13°48'	15°59'	22°50'	26°25'	27°45'	18°51'	14°48'	M 8
T 9	13 43 58	27°47'03"	29°0'	18°25'	4°3'	7°9'	18°31'	21°29'	13°51'	16°1'	22°50'	26°R25	27°42'	18°57'	14°51'	T 9
W 10	13 47 55	28°45'24"	10°53'	20°25'	5°17'	7°8'	18°42'	21°36'	13°54'	16°3'	22°50'	26°24'	27°39'	19°4'	14°54'	W 10
T 11	13 51 52	29°43'44"	22°57'	22°26'	6°31'	7°7'	18°53'	21°44'	13°56'	16°5'	22°51'	26°21'	27°35'	19°11'	14°57'	T 11
F 12	13 55 48	0°42'02"	5°14'	24°29'	7°45'	7°5'	19°5'	21°51'	13°59'	16°6'	22°51'	26°16'	27°32'	19°17'	15°0'	F 12
S 13	13 59 45	1°40'17"	17°49'	26°33'	8°59'	7°2'	19°16'	21°59'	14°2'	16°8'	22°51'	26°9'	27°29'	19°24'	15°3'	S 13
S 14	14 3 41	2°38'31"	0°45'	28°39'	10°13'	6°58'	19°27'	22°7'	14°5'	16°10'	22°51'	26°1'	27°26'	19°31'	15°6'	S 14
M 15	14 7 38	3°36'43"	14°2'	0°46'	11°27'	6°53'	19°38'	22°14'	14°8'	16°12'	22°R51	25°52'	27°23'	19°37'	15°8'	M 15
T 16	14 11 34	4°34'52"	27°39'	2°54'	12°41'	6°48'	19°50'	22°22'	14°11'	16°13'	22°51'	25°43'	27°19'	19°44'	15°11'	T 16
W 17	14 15 31	5°33'01"	11°33'	5°2'	13°55'	6°42'	20°1'	22°29'	14°13'	16°15'	22°51'	25°36'	27°16'	19°50'	15°14'	W 17
T 18	14 19 27	6°31'07"	25°41'	7°12'	15°8'	6°35'	20°13'	22°37'	14°16'	16°16'	22°51'	25°31'	27°13'	19°57'	15°17'	T 18
F 19	14 23 24	7°29'12"	9°57'	9°22'	16°22'	6°27'	20°25'	22°44'	14°19'	16°18'	22°51'	25°28'	27°10'	20°4'	15°19'	F 19
S 20	14 27 21	8°27'15"	24°17'	11°32'	17°36'	6°19'	20°36'	22°52'	14°22'	16°20'	22°50'	25°D27	27°7'	20°10'	15°22'	S 20
S 21	14 31 17	9°25'17"	8°33'	13°42'	18°50'	6°10'	20°48'	22°59'	14°25'	16°21'	22°50'	25°27'	27°4'	20°17'	15°25'	S 21
M 22	14 35 14	10°23'18"	22°55'	15°51'	20°4'	6°0'	21°0'	23°7'	14°29'	16°23'	22°50'	25°28'	27°0'	20°24'	15°27'	M 22
T 23	14 39 10	11°21'17"	7°6'	18°0'	21°18'	5°50'	21°12'	23°14'	14°32'	16°24'	22°50'	25°R29	26°57'	20°30'	15°30'	T 23
W 24	14 43 7	12°19'15"	21°11'	20°8'	22°31'	5°38'	21°24'	23°21'	14°35'	16°26'	22°50'	25°29'	26°54'	20°37'	15°32'	W 24
T 25	14 47 3	13°17'12"	5°7'	22°15'	23°45'	5°26'	21°36'	23°29'	14°38'	16°27'	22°49'	25°27'	26°51'	20°44'	15°35'	T 25
F 26	14 51 0	14°15'07"	18°54'	24°21'	24°59'	5°14'	21°48'	23°36'	14°41'	16°29'	22°49'	25°23'	26°48'	20°50'	15°37'	F 26
S 27	14 54 56	15°13'01"	2°30'	26°24'	26°13'	5°0'	22°0'	23°43'	14°44'	16°30'	22°49'	25°18'	26°45'	20°57'	15°39'	S 27
S 28	14 58 53	16°10'53"	15°55'	28°26'	27°26'	4°46'	22°13'	23°51'	14°48'	16°31'	22°48'	25°12'	26°41'	21°4'	15°42'	S 28
M 29	15 2 49	17°8'45"	29°5'	0°25'	28°40'	4°31'	22°25'	23°58'	14°51'	16°33'	22°48'	25°5'	26°38'	21°10'	15°44'	M 29
T 30	15 6 46	18°6'35"	12°2'	2°22'	29°54'	4°16'	22°37'	24°5'	14°54'	16°34'	22°48'	24°59'	26°35'	21°17'	15°46'	T 30

Delta T = 230.71 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1527

geocentric

MAY 1527 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	15 10 43	19°8'42"3	24°8'43"	4°11'17"	1°11'8"	4°R 0	22°11'50"	24°11'12"	14°11'57"	16°11'35"	22°R47"	24°R55"	26°11'32"	21°11'24"	15°11'48"	W 1
T 2	15 14 39	20° 2'11"	7°11'10"	6° 9	2°21	3°11'44"	23° 2	24°20	15° 1	16°37	22°11'47"	24°11'52"	26°29	21°30	15°51	T 2
F 3	15 18 36	20°59'56"	19°24	7°57	3°35	3°27	23°15	24°27	15° 4	16°38	22°46	24°D50	26°25	21°37	15°53	F 3
S 4	15 22 32	21°57'41"	1°26	9°44	4°49	3° 9	23°27	24°34	15° 7	16°39	22°46	24°50	26°22	21°44	15°55	S 4
S 5	15 26 29	22°55'23"	13°20	11°27	6° 2	2°51	23°40	24°41	15°11	16°40	22°45	24°51	26°19	21°50	15°57	S 5
M 6	15 30 25	23°53'04"	25° 9	13° 6	7°16	2°33	23°53	24°48	15°14	16°41	22°45	24°53	26°16	21°57	15°59	M 6
T 7	15 34 22	24°50'44"	6°15'58"	14°43	8°29	2°14	24° 5	24°55	15°17	16°42	22°44	24°55	26°13	22° 4	16° 0	T 7
W 8	15 38 19	25°48'22"	18°52	16°17	9°43	1°55	24°18	25° 2	15°21	16°43	22°43	24°56	26°10	22°10	16° 2	W 8
T 9	15 42 15	26°45'59"	0°11'55"	17°47	10°56	1°35	24°31	25° 9	15°24	16°45	22°43	24°R56	26° 6	22°17	16° 4	T 9
F 10	15 46 12	27°43'34"	13°12	19°14	12°10	1°15	24°44	25°16	15°28	16°46	22°42	24°55	26° 3	22°24	16° 6	F 10
S 11	15 50 8	28°41'07"	25°48	20°38	13°23	0°55	24°57	25°23	15°31	16°47	22°41	24°53	26° 0	22°30	16° 8	S 11
S 12	15 54 5	29°38'39"	8°11'46"	21°58	14°37	0°35	25° 9	25°29	15°34	16°48	22°41	24°50	25°57	22°37	16° 9	S 12
M13	15 58 1	0°11'36'10"	22° 8	23°15	15°50	0°15	25°22	25°36	15°38	16°48	22°40	24°46	25°54	22°44	16°11	M13
T 14	16 1 58	1°33'39"	5°11'54"	24°29	17° 4	2°11'54"	25°35	25°43	15°41	16°49	22°39	24°43	25°50	22°50	16°12	T 14
W15	16 5 54	2°31'08"	20° 3	25°39	18°17	2°34	25°48	25°49	15°45	16°50	22°38	24°40	25°47	22°57	16°14	W15
T 16	16 9 51	3°28'35"	4°11'30"	26°46	19°31	2°13	26° 2	25°56	15°48	16°51	22°38	24°38	25°44	23° 4	16°15	T 16
F 17	16 13 48	4°26'01"	19° 9	27°49	20°44	2°53	26°15	26° 3	15°52	16°52	22°37	24°D37	25°41	23°10	16°17	F 17
S 18	16 17 44	5°23'27"	3°11'55"	28°48	21°57	2°32	26°28	26° 9	15°55	16°53	22°36	24°37	25°38	23°17	16°18	S 18
S 19	16 21 41	6°20'52"	18°40	29°43	23°11	2°12	26°41	26°16	15°59	16°53	22°35	24°38	25°35	23°24	16°19	S 19
M20	16 25 37	7°18'15"	3°11'18"	0°35	24°24	2°52	26°54	26°22	16° 3	16°54	22°34	24°39	25°31	23°30	16°20	M20
T 21	16 29 34	8°15'39"	17°44	1°23	25°37	2°7	27°32	27° 7	16°29	16° 6	16°55	22°33	24°40	25°28	16°22	T 21
W22	16 33 30	9°13'01"	1°11'55"	2° 6	26°51	2°12	27°21	26°35	16°10	16°56	22°32	24°41	25°25	23°44	16°23	W22
T 23	16 37 27	10°10'23"	15°49	2°46	28° 4	2°53	27°34	26°41	16°13	16°56	22°31	24°R41	25°22	23°50	16°24	T 23
F 24	16 41 23	11° 7'44"	29°27	3°22	29°17	2°34	27°47	26°47	16°17	16°57	22°30	24°41	25°19	23°57	16°25	F 24
S 25	16 45 20	12° 5'05"	12°11'47"	3°53	0°31	2°6	28° 1	26°54	16°20	16°57	22°29	24°39	25°16	24° 4	16°26	S 25
S 26	16 49 17	13° 2'26"	25°51	4°20	1°44	2°57	28°14	27° 0	16°24	16°58	22°28	24°38	25°12	24°10	16°27	S 26
M27	16 53 13	13°59'46"	8°11'40"	4°42	2°57	2°39	28°27	27° 6	16°27	16°58	22°27	24°36	25° 9	24°17	16°28	M27
T 28	16 57 10	14°57'05"	21°16	5° 0	4°10	2°21	28°41	27°12	16°31	16°59	22°26	24°35	25° 6	24°24	16°28	T 28
W29	17 1 6	15°54'24"	3°11'39"	5°14	5°24	2°5	28°54	27°18	16°35	16°59	22°25	24°34	25° 3	24°30	16°29	W29
T 30	17 5 3	16°51'42"	15°51	5°23	6°37	2°48	29° 8	27°24	16°38	17° 0	22°24	24°34	25° 0	24°37	16°30	T 30
F 31	17 8 59	17°11'49'00"	27°11'54"	5°R27	7°11'50"	2°41'33"	29°11'21"	27°11'29"	16°11'42"	17°11'0	22°11'23"	24°D34	24°11'56"	24°11'24"	16°11'30"	F 31

Delta T = 230.53 sec

Julian Calendar 1 May 1527 == Greg. Calendar 11 May 1527

JUNE 1527 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	17 12 56	18°11'46'17"	9°11'50"	5°R27	9°11'3	24°R18	29°11'35"	27°11'35"	16°11'45"	17°11'0	22°R22"	24°11'34"	24°11'53"	24°11'50"	16°11'31"	S 1
S 2	17 16 52	19°43'34"	21°40	5°22	10°16	24°11'3	29°48	27°41	16°49	17° 1	22°11'21"	24°34	24°50	24°57	16°31	S 2
M 3	17 20 49	20°40'50"	3°11'29"	5°13	11°29	23°50	0°11'2	27°47	16°52	17° 1	22°20	24°35	24°47	25° 4	16°32	M 3
T 4	17 24 46	21°38'05"	15°18	5° 0	12°42	23°37	0°15	27°52	16°56	17° 1	22°18	24°35	24°44	25°10	16°32	T 4
W 5	17 28 42	22°35'19"	27°12	4°43	13°55	23°25	0°29	27°58	16°59	17° 1	22°17	24°35	24°41	25°17	16°33	W 5
T 6	17 32 39	23°32'33"	9°11'15"	4°22	15° 9	23°13	0°42	28° 3	17° 3	17° 2	22°16	24°36	24°37	25°24	16°33	T 6
F 7	17 36 35	24°29'46"	21°31	3°57	16°22	23° 2	0°56	28° 8	17° 7	17° 2	22°15	24°36	24°34	25°30	16°33	F 7
S 8	17 40 32	25°26'58"	4°11'4	3°30	17°35	22°53	1° 9	28°14	17°10	17° 2	22°14	24°36	24°31	25°37	16°33	S 8
S 9	17 44 28	26°24'10"	16°58	2°59	18°48	22°44	1°23	28°19	17°14	17° 2	22°12	24°36	24°28	25°44	16°33	S 9
M10	17 48 25	27°21'22"	0°11'17"	2°27	20° 0	22°35	1°37	28°24	17°17	17° 2	22°11	24°36	24°25	25°50	16°34	M10
T 11	17 52 21	28°18'33"	14° 2	1°53	21°13	22°28	1°50	28°29	17°21	17°R 2	22°10	24°36	24°22	25°57	16°R34	T 11
W12	17 56 18	29°15'43"	28°13	1°17	22°26	22°21	2° 4	28°34	17°24	17° 2	22° 9	24°37	24°18	26° 4	16°33	W12
T 13	18 0 15	0°12'53"	12°11'48"	0°41	23°39	22°16	2°17	28°39	17°28	17° 2	22° 7	24°37	24°15	26°10	16°33	T 13
F 14	18 4 11	1°10'03"	27°41	0° 6	24°52	22°11	2°31	28°44	17°31	17° 2	22° 6	24°R37	24°12	26°17	16°33	F 14
S 15	18 8 8	2° 7'13"	12°11'45"	2°11'31"	26° 5	22° 6	2°45	28°49	17°35	17° 2	22° 5	24°37	24° 9	26°24	16°33	S 15
S 16	18 12 4	3° 4'23"	27°51	28°57	27°18	22° 3	2°58	28°54	17°38	17° 2	22° 3	24°36	24° 6	26°30	16°33	S 16
M17	18 16 1	4° 1'33"	12°11'50"	28°25	28°31	22° 1	3°12	28°58	17°42	17° 1	22° 2	24°35	24° 2	26°37	16°32	M17
T 18	18 19 57	4°58'43"	27°35	27°56	29°43	21°59	3°25	29° 3	17°45	17° 1	22° 1	24°34	23°59	26°44	16°32	T 18
W19	18 23 54	5°55'53"	11°11'59"	27°30	0°11'56"	21°D58	3°39	29° 7	17°49	17° 1	21°59	24°33	23°56	26°50	16°32	W19
T 20	18 27 50	6°53'04"	26° 1	27° 7	2° 9	21°58	3°53	29°12	17°52	17° 1	21°58	24°32	23°53	26°57	16°31	T 20
F 21	18 31 47	7°50'14"	9°11'38"	26°48	3°22	21°59	4° 6	29°16	17°55	17° 0	21°57	24°D32	23°50	27° 4	16°31	F 21
S 22	18 35 44	8°47'26"	22°52	26°33	4°34	22° 1	4°20	29°20	17°59	17° 0	21°55	24°32	23°47	27°10	16°30	S 22
S 23	18 39 40	9°44'37"	5°11'45"	26°23	5°47	22° 3	4°33	29°24	18° 2	17° 0	21°54	24°33	23°43	27°17	16°29	S 23
M24	18 43 37	10°41'50"	18°20	26°17	7° 0	22° 7	4°47	29°28	18° 6	16°59	21°52	24°35	23°40	27°24	16°29	M24
T 25	18 47 33	11°39'02"	0°11'41"	26°D17	8°12	22°11	5° 0	29°32	18° 9	16°59	21°51	24°36	23°37	27°30	16°28	T 25
W26	18 51 30	12°36'15"	12°49	26°22	9°25	22°16	5°14	29°36	18°12	16°58	21°50	24°37	23°34	27°37	16°27	W26
T 27	18 55 26	13°33'29"	24°50	26°32	10°37	22°21	5°27	29°40	18°16	16°58	21°48	24°R37	23°31	27°44	16°26	T 27
F 28	18 59 23	14°30'43"	6°11'44"	26°47	11°50	22°28	5°41	29°44	18°19	16°57	21°47	24°37	23°28	27°50	16°25	F 28
S 29	19 3 20	15°27'57"	18°34	27° 8	13° 2	22°35	5°54	29°48	18°22	16°57	21°45	24°35	23°24	27°57	16°24	S 29
S 30	19 7 16	16°25'11"	0°11'23"	27°11'34"	14°11'15"	22°11'43"	6°11'8"	29°11'51"	18°11'25"	16°11'56"	21°11'44"	24°11'33"	23°11'21"	28°11'4	16°11'23"	S 30

Delta T = 230.33 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1527

geocentric

JULY 1527 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	19 11 13	17°22'26	12°12	28°11 6	15°127	22°152	6°21	29°55	18°29	16°R55	21°R43	24°R29	23°18	28°10	16°R22	M 1
T 2	19 15 9	18°19'41	24° 3	28°43	16°40	23° 2	6°35	29°58	18°32	16°R55	21°R41	24°R26	23°15	28°17	16°R21	T 2
W 3	19 19 6	19°16'57	6°10	29°25	17°52	23°12	6°48	0°8	18°35	16°54	21°40	24°22	23°12	28°24	16°20	W 3
T 4	19 23 2	20°14'12	18° 6	0°13	19° 5	23°23	7° 1	0° 4	18°38	16°53	21°38	24°18	23° 8	28°30	16°19	T 4
F 5	19 26 59	21°11'28	0°22	1° 6	20°17	23°35	7°15	0° 8	18°41	16°53	21°37	24°15	23° 5	28°37	16°17	F 5
S 6	19 30 55	22° 8'45	12°54	2° 4	21°29	23°47	7°28	0°11	18°45	16°52	21°35	24°14	23° 2	28°44	16°16	S 6
S 7	19 34 52	23° 6'01	25°44	3° 7	22°42	24° 0	7°42	0°13	18°48	16°51	21°34	24°D14	22°59	28°50	16°15	S 7
M 8	19 38 48	24° 3'18	8°156	4°16	23°54	24°14	7°55	0°16	18°51	16°50	21°32	24°14	22°56	28°57	16°13	M 8
T 9	19 42 45	25° 0'36	22°33	5°29	25° 6	24°29	8° 8	0°19	18°54	16°49	21°31	24°16	22°53	29° 4	16°12	T 9
W10	19 46 42	25°57'53	6°37	6°47	26°18	24°44	8°21	0°22	18°57	16°49	21°30	24°17	22°49	29°10	16°10	W10
T 11	19 50 38	26°55'12	21° 6	8°10	27°30	25° 0	8°35	0°24	19° 0	16°48	21°28	24°R18	22°46	29°17	16° 8	T 11
F 12	19 54 35	27°52'31	5°58	9°38	28°42	25°16	8°48	0°27	19° 3	16°47	21°27	24°17	22°43	29°24	16° 7	F 12
S 13	19 58 31	28°49'50	21° 6	11° 9	29°55	25°33	9° 1	0°29	19° 6	16°46	21°25	24°16	22°40	29°30	16° 5	S 13
S 14	20 2 28	29°47'11	6°21	12°46	1°10	25°51	9°14	0°31	19° 9	16°45	21°24	24°12	22°37	29°37	16° 3	S 14
M15	20 6 24	0°14'432	21°34	14°26	2°19	26° 9	9°27	0°33	19°11	16°44	21°23	24° 7	22°34	29°44	16° 2	M15
T 16	20 10 21	1°41'54	6°33	16°10	3°31	26°28	9°40	0°35	19°14	16°43	21°21	24° 2	22°30	29°50	16° 0	T 16
W17	20 14 18	2°39'17	21°12	17°57	4°42	26°47	9°53	0°37	19°17	16°42	21°20	23°57	22°27	29°57	15°58	W17
T 18	20 18 14	3°36'41	5°23	19°47	5°54	27° 7	10° 6	0°39	19°20	16°41	21°18	23°53	22°24	0°10	15°56	T 18
F 19	20 22 11	4°34'06	19° 7	21°41	7° 6	27°27	10°19	0°41	19°23	16°40	21°17	23°50	22°21	0°10	15°54	F 19
S 20	20 26 7	5°31'33	2°22	23°37	8°18	27°48	10°32	0°42	19°25	16°38	21°16	23°D49	22°18	0°17	15°52	S 20
S 21	20 30 4	6°29'01	15°13	25°35	9°30	28°10	10°45	0°44	19°28	16°37	21°14	23°49	22°14	0°24	15°50	S 21
M22	20 34 0	7°26'30	27°42	27°34	10°41	28°32	10°58	0°45	19°31	16°36	21°13	23°50	22°11	0°30	15°48	M22
T 23	20 37 57	8°24'01	9°155	29°35	11°53	28°54	11°10	0°47	19°33	16°35	21°11	23°52	22° 8	0°37	15°46	T 23
W24	20 41 53	9°21'33	21°56	1°38	13° 5	29°18	11°23	0°48	19°36	16°34	21°10	23°R52	22° 5	0°44	15°44	W24
T 25	20 45 50	10°19'06	3°49	3°41	14°16	29°41	11°36	0°49	19°39	16°32	21° 9	23°52	22° 2	0°50	15°42	T 25
F 26	20 49 47	11°16'41	15°38	5°44	15°28	0°5	11°48	0°50	19°41	16°31	21° 7	23°49	21°59	0°57	15°40	F 26
S 27	20 53 43	12°14'17	27°26	7°47	16°40	0°30	12° 1	0°51	19°44	16°30	21° 6	23°45	21°55	1° 4	15°37	S 27
S 28	20 57 40	13°11'54	9°15	9°51	17°51	0°54	12°13	0°52	19°46	16°29	21° 5	23°38	21°52	1°10	15°35	S 28
M29	21 1 36	14° 9'33	21° 8	11°53	19° 2	1°20	12°26	0°53	19°49	16°27	21° 4	23°29	21°49	1°17	15°33	M29
T 30	21 5 33	15° 7'12	3°10	13°56	20°14	1°46	12°38	0°53	19°51	16°26	21° 2	23°20	21°46	1°24	15°30	T 30
W31	21 9 29	16°14'53	15°11	15°57	21°25	2°12	12°51	0°54	19°53	16°25	21°1	23°10	21°43	1°30	15°28	W31

Delta T = 230.15 sec

Julian Calendar 1 July 1527 == Greg. Calendar 11 July 1527

AUGUST 1527 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	21 13 26	17°12'35	27°23	17°158	22°37	2°39	13°3	0°54	19°56	16°R23	21°R 0	23°R 1	21°40	1°37	15°R25	T 1
F 2	21 17 22	18° 0'18	9°26	19°58	23°48	3° 6	13°15	0°54	19°58	16°R22	20°R58	22°R53	21°36	1°44	15°R23	F 2
S 3	21 21 19	18°58'02	22°22	21°56	24°59	3°33	13°28	0°54	20° 0	16°20	20°57	22°48	21°33	1°51	15°21	S 3
S 4	21 25 16	19°55'48	5°12	23°53	26°10	4° 1	13°40	0°R55	20° 2	16°19	20°56	22°45	21°30	1°57	15°18	S 4
M 5	21 29 12	20°53'34	18°20	25°50	27°21	4°30	13°52	0°54	20° 4	16°17	20°55	22°D44	21°27	2° 4	15°15	M 5
T 6	21 33 9	21°51'22	1°49	27°44	28°32	4°58	14° 4	0°54	20° 6	16°16	20°54	22°44	21°24	2°11	15°13	T 6
W 7	21 37 5	22°49'11	15°42	29°38	29°43	5°28	14°16	0°54	20° 9	16°15	20°52	22°R44	21°20	2°17	15°10	W 7
T 8	21 41 2	23°47'01	29°58	1°30	0°54	5°57	14°28	0°54	20°11	16°13	20°51	22°44	21°17	2°24	15° 8	T 8
F 9	21 44 58	24°44'53	14°37	3°21	2° 5	6°27	14°39	0°53	20°13	16°12	20°50	22°43	21°14	2°31	15° 5	F 9
S 10	21 48 55	25°42'46	29°34	5°11	3°16	6°57	14°51	0°53	20°14	16°10	20°49	22°39	21°11	2°37	15° 2	S 10
S 11	21 52 51	26°40'40	14°43	6°59	4°27	7°28	15° 3	0°52	20°16	16° 9	20°48	22°32	21° 8	2°44	15° 0	S 11
M12	21 56 48	27°38'35	29°54	8°46	5°37	7°58	15°14	0°51	20°18	16° 7	20°47	22°23	21° 5	2°51	14°57	M12
T 13	22 0 45	28°36'32	14°56	10°31	6°48	8°30	15°26	0°50	20°20	16° 5	20°46	22°14	21° 1	2°57	14°54	T 13
W14	22 4 41	29°34'31	29°39	12°15	7°59	9° 1	15°37	0°49	20°22	16° 4	20°45	22° 4	20°58	3° 4	14°52	W14
T 15	22 8 38	0°32'32	13°58	13°58	9° 9	9°33	15°49	0°48	20°24	16° 2	20°44	21°56	20°55	3°11	14°49	T 15
F 16	22 12 34	1°30'34	27°48	15°40	10°19	10° 5	16° 0	0°47	20°25	16° 1	20°43	21°49	20°52	3°17	14°46	F 16
S 17	22 16 31	2°28'38	11°8	17°21	11°30	10°37	16°11	0°46	20°27	15°59	20°42	21°45	20°49	3°24	14°43	S 17
S 18	22 20 27	3°26'45	24° 1	19° 0	12°40	11°10	16°22	0°44	20°28	15°57	20°41	21°43	20°46	3°31	14°40	S 18
M19	22 24 24	4°24'53	6°13	20°38	13°50	11°43	16°34	0°43	20°30	15°56	20°40	21°D43	20°42	3°37	14°38	M19
T 20	22 28 20	5°23'04	18°43	22°15	15° 1	12°16	16°45	0°41	20°31	15°54	20°39	21°R43	20°39	3°44	14°35	T 20
W21	22 32 17	6°21'16	0°41	23°50	16°11	12°50	16°55	0°40	20°33	15°53	20°38	21°43	20°36	3°51	14°32	W21
T 22	22 36 13	7°19'31	12°32	25°25	17°21	13°24	17° 6	0°38	20°34	15°51	20°37	21°41	20°33	3°57	14°29	T 22
F 23	22 40 10	8°17'47	24°20	26°58	18°31	13°58	17°17	0°36	20°36	15°49	20°36	21°37	20°30	4° 4	14°26	F 23
S 24	22 44 7	9°16'06	6°9	28°30	19°41	14°32	17°28	0°34	20°37	15°48	20°35	21°30	20°26	4°11	14°23	S 24
S 25	22 48 3	10°14'26	18° 2	0°1	20°51	15° 7	17°38	0°32	20°38	15°46	20°35	21°20	20°23	4°17	14°21	S 25
M26	22 52 0	11°12'48	0°1	1°31	22° 0	15°42	17°49	0°30	20°39	15°44	20°34	21° 8	20°20	4°24	14°18	M26
T 27	22 55 56	12°11'13	12° 9	2°59	23°10	16°17	17°59	0°27	20°40	15°43	20°33	20°55	20°17	4°31	14°15	T 27
W28	22 59 53	13° 9'39	24°25	4°27	24°20	16°52	18° 9	0°25	20°42	15°41	20°32	20°41	20°14	4°38	14°12	W28
T 29	23 3 49	14° 8'06	6°51	5°53	25°29	17°28	18°19	0°22	20°43	15°39	20°32	20°28	20°11	4°44	14° 9	T 29
F 30	23 7 46	15° 6'36	19°28	7°18	26°39	18° 4	18°29	0°20	20°44	15°38	20°31	20°17	20° 7	4°51	14° 6	F 30
S 31	23 11 42	16°15'07	2°15	8°42	27°48	18°40	18°53	0°17	20°45	15°36	20°30	20°19	20°14	4°58	14° 3	S 31

Delta T = 229.95 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1527

geocentric

SEPTEMBER 1527 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	23 15 39	17°17'34"	15°11'14"	10°42'44"	28°45'57"	19°11'16"	18°48'49"	0°R14	20°11'45"	15°R34	20°R29	20°R 3	20°R 1	5°11'44"	14°R 0	S 1
M 2	23 19 36	18° 2'16"	28°27'11"	11°25'00"	19°53'18"	18°59'08"	0°12'12"	20°46'15"	15°33'33"	20°29'20"	20°1'19"	19°58'51"	5°11'44"	13°58'58"	M 2	
T 3	23 23 32	19° 0'52"	11°17'55"	12°45'16"	20°30'19"	19° 9'00"	0° 9'00"	20°47'15"	15°31'20"	20°28'20"	20° 0'19"	19°55'51"	5°18'13"	13°55'58"	T 3	
W 4	23 27 29	19°59'30"	25°40'14"	3°25'21"	21° 7'19"	19°18'00"	0° 6'20"	20°48'15"	15°30'20"	20°28'20"	20° 0'19"	19°51'52"	5°24'13"	13°52'58"	W 4	
T 5	23 31 25	20°58'10"	9°34'44"	15°20'33"	21°44'19"	19°28'00"	0° 2'20"	20°48'15"	15°28'20"	20°27'19"	19°59'19"	19°48'53"	5°31'13"	13°49'58"	T 5	
F 6	23 35 22	21°56'52"	24° 6'16"	16°36'44"	22°22'19"	19°37'29"	29°Y59	20°49'15"	15°26'20"	20°27'19"	19°57'19"	19°45'53"	5°38'13"	13°46'58"	F 6	
S 7	23 39 18	22°55'35"	8°44'17"	17°50'25"	22°59'13"	19°46'27"	29°56	20°50'15"	15°25'20"	20°26'19"	19°52'19"	19°42'54"	5°44'13"	13°43'58"	S 7	
S 8	23 43 15	23°54'20"	23°33'19"	19° 2'7"	23°37'19"	19°55'29"	29°53	20°50'15"	15°23'20"	20°26'19"	19°44'19"	19°39'51"	5°51'13"	13°40'58"	S 8	
M 9	23 47 11	24°53'07"	8°16'26"	20°12'8"	24°15'20"	20° 4'29"	29°49	20°51'15"	15°21'20"	20°25'19"	19°34'19"	19°36'51"	5°58'13"	13°38'58"	M 9	
T 10	23 51 8	25°51'56"	23°14'21"	21°21'9"	24°53'20"	20°13'29"	29°46	20°51'15"	15°20'20"	20°25'19"	19°23'19"	19°32'6"	6° 4'13"	13°35'58"	T 10	
W 11	23 55 5	26°50'46"	7°17'50"	22°28'10"	25°32'20"	20°22'29"	29°42	20°51'15"	15°18'20"	20°24'19"	19°11'19"	19°29'6"	6°11'13"	13°32'58"	W 11	
T 12	23 59 1	27°49'39"	22° 4'23"	23°32'11"	26°10'20"	20°30'29"	29°39	20°52'15"	15°16'20"	20°24'19"	19° 1'19"	19°26'6"	6°18'13"	13°29'58"	T 12	
F 13	0 2 58	28°48'34"	5°15'44"	24°34'12"	26°49'20"	20°39'29"	29°35	20°52'15"	15°15'20"	20°24'19"	18°53'19"	19°23'6"	6°24'13"	13°27'58"	F 13	
S 14	0 6 54	29°47'31"	19°16'25"	25°34'13"	27°28'20"	20°47'29"	29°31	20°52'15"	15°13'20"	20°23'19"	18°47'19"	19°20'6"	6°31'13"	13°24'58"	S 14	
S 15	0 10 51	0°46'31"	2°11'12"	26°31'14"	28° 7'20"	20°55'29"	29°27	20°52'15"	15°12'20"	20°23'19"	18°44'19"	19°17'6"	6°38'13"	13°21'58"	S 15	
M 16	0 14 47	1°45'33"	14°44'27"	27°26'16"	28°46'21"	20° 4'29"	29°23	20°53'15"	15°10'20"	20°23'19"	18°D44	19°13'6"	6°45'13"	13°18'58"	M 16	
T 17	0 18 44	2°44'37"	26°58'28"	28°17'17"	29°25'21"	20°12'29"	29°19	20°53'15"	15° 9'20"	20°23'19"	18°R44	19°10'6"	6°51'13"	13°16'58"	T 17	
W 18	0 22 40	3°43'44"	8°58'29"	29° 4'18"	30° 5'21"	20°19'29"	29°15	20°R53	15° 7'20"	20°22'19"	18°44'19"	19° 7'6"	6°58'13"	13°13'58"	W 18	
T 19	0 26 37	4°42'52"	20°50'29"	29°49'19"	30°45'21"	20°27'29"	29°11	20°53'15"	15° 5'20"	20°22'19"	18°42'19"	19° 4'7"	7° 5'13"	13°10'58"	T 19	
F 20	0 30 34	5°42'04"	2°12'39"	20°34'00"	31°24'21"	20°35'29"	29° 7'20"	20°52'15"	15° 4'20"	20°22'19"	18°39'19"	19° 1'7"	7°11'13"	13° 8'58"	F 20	
S 21	0 34 30	6°41'17"	14°30'1°	21°41'2°	31°42'21"	20°42'29"	29° 3'20"	20°52'15"	15° 2'20"	20°22'19"	18°33'19"	18°57'7"	7°18'13"	13° 5'58"	S 21	
S 22	0 38 27	7°40'33"	26°27'1°	22°47'2°	32°45'21"	20°49'28"	28°58	20°52'15"	15° 1'20"	20°22'19"	18°25'19"	18°54'7"	7°25'13"	13° 3'58"	S 22	
M 23	0 42 23	8°39'50"	8°17'33"	2° 1'23"	33°54'32"	20°56'21"	28°54	20°52'15"	14°59'20"	20°22'19"	18°14'19"	18°51'7"	7°31'13"	13° 0'58"	M 23	
T 24	0 46 20	9°39'11"	20°51'2°	2°21'25"	34° 5'4°	22° 3'28"	28°50	20°52'15"	14°58'20"	20°D22	18° 2'18"	18°48'7"	7°38'12"	12°58'58"	T 24	
W 25	0 50 16	10°38'33"	3°42'21"	2°34'26"	35° 7'4°	22°10'28"	28°45	20°51'14"	14°56'20"	20°22'19"	17°50'19"	18°45'7"	7°45'12"	12°55'58"	W 25	
T 26	0 54 13	11°37'57"	16° 4'2°	2°R41	27°13'5°	22°17'28"	28°41	20°51'14"	14°55'20"	20°22'19"	17°38'19"	18°42'7"	7°51'12"	12°53'58"	T 26	
F 27	0 58 9	12°37'23"	29° 0'2°	2°41'28"	28°19'6"	22°24'28"	28°36	20°50'14"	14°54'20"	20°22'19"	17°28'19"	18°38'7"	7°58'12"	12°50'58"	F 27	
S 28	1 2 6	13°36'52"	12°11'7"	2°34'29"	29°25'6"	22°30'28"	28°32	20°50'14"	14°52'20"	20°22'19"	17°20'19"	18°35'8"	8° 5'12"	12°48'58"	S 28	
S 29	1 6 2	14°36'22"	25°25'2°	2°18'0°	30°31'7°	22°36'28"	28°27	20°49'14"	14°51'20"	20°22'19"	17°16'19"	18°32'8"	8°11'12"	12°46'58"	S 29	
M 30	1 9 59	15°35'54"	8°15'53"	1°11'54"	31°36'8°	22°42'28"	28°Y22	20°49'14"	14°49'20"	20°22'19"	17°14'19"	18°29'8"	8°18'12"	12°44'58"	M 30	

Delta T = 229.76 sec

Julian Calendar 1 Sept. 1527 == Greg. Calendar 11 Sept. 1527

OCTOBER 1527 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	1 13 56	16♂35'28	22♂32	1°R21	2♂42	8♂52	22♂48	28°R18	20°R48	14°R48	20♂23	17°D13	18♂26	8♂25	12°R41	T 1
W 2	1 17 52	17°35'04	6♂21	0♂40	3°47	9°34	22°54	28°Y13	20Ⅱ47	14♂47	20°23	17♂14	18°23	8°32	12♂39	W 2
T 3	1 21 49	18°34'42	20°21	29♂50	4°52	10°16	23° 0	28° 8	20°46	14°45	20°23	17°R14	18°19	8°38	12°37	T 3
F 4	1 25 45	19°34'21	4♂31	28°53	5°57	10°57	23° 5	28° 4	20°46	14°44	20°23	17°13	18°16	8°45	12°35	F 4
S 5	1 29 42	20°34'02	18°50	27°49	7° 1	11°39	23°10	27°59	20°45	14°43	20°24	17°10	18°13	8°52	12°32	S 5
S 6	1 33 38	21°33'45	3♂15	26°39	8° 5	12°21	23°15	27°54	20°44	14°42	20°24	17° 5	18°10	8°58	12°30	S 6
M 7	1 37 35	22°33'29	17°42	25°25	9° 9	13° 3	23°20	27°49	20°43	14°40	20°24	16°57	18° 7	9° 5	12°28	M 7
T 8	1 41 31	23°33'15	2°Y 4	24°10	10°13	13°45	23°25	27°45	20°42	14°39	20°25	16°49	18° 3	9°12	12°26	T 8
W 9	1 45 28	24°33'03	16°17	22°54	11°16	14°27	23°30	27°40	20°41	14°38	20°25	16°40	18° 0	9°18	12°24	W 9
T 10	1 49 25	25°32'53	0♂14	21°42	12°20	15°10	23°34	27°35	20°40	14°37	20°26	16°32	17°57	9°25	12°23	T 10
F 11	1 53 21	26°32'45	13°52	20°34	13°23	15°52	23°39	27°30	20°39	14°36	20°26	16°26	17°54	9°32	12°21	F 11
S 12	1 57 18	27°32'39	27° 7	19°33	14°25	16°35	23°43	27°25	20°37	14°35	20°27	16°22	17°51	9°38	12°19	S 12
S 13	2 1 14	28°32'35	10Ⅱ 1	18°40	15°28	17°17	23°47	27°20	20°36	14°33	20°27	16°20	17°48	9°45	12°17	S 13
M 14	2 5 11	29°32'34	22°33	17°58	16°30	18° 0	23°50	27°16	20°35	14°32	20°28	16°D20	17°44	9°52	12°15	M 14
T 15	2 9 7	0♂132'34	4♂49	17°26	17°31	18°43	23°54	27°11	20°33	14°31	20°28	16°21	17°41	9°59	12°14	T 15
W 16	2 13 4	1°32'37	16°51	17° 6	18°33	19°26	23°57	27° 6	20°32	14°30	20°29	16°22	17°38	10° 5	12°12	W 16
T 17	2 17 0	2°32'41	28°44	16°D58	19°34	20° 9	24° 0	27° 1	20°31	14°29	20°29	16°R23	17°35	10°12	12°11	T 17
F 18	2 20 57	3°32'48	10♂235	17° 1	20°35	20°52	24° 3	26°56	20°29	14°28	20°30	16°23	17°32	10°19	12° 9	F 18
S 19	2 24 54	4°32'57	22°27	17°14	21°35	21°35	24° 6	26°52	20°28	14°27	20°31	16°21	17°28	10°25	12° 8	S 19
S 20	2 28 50	5°33'08	4♂26	17°38	22°35	22°18	24° 9	26°47	20°26	14°27	20°32	16°18	17°25	10°32	12° 6	S 20
M 21	2 32 47	6°33'21	16°36	18°12	23°35	23° 1	24°11	26°42	20°24	14°26	20°32	16°12	17°22	10°39	12° 5	M 21
T 22	2 36 43	7°33'36	29° 1	18°54	24°34	23°45	24°14	26°37	20°23	14°25	20°33	16° 6	17°19	10°45	12° 3	T 22
W 23	2 40 40	8°33'53	11♂41	19°43	25°33	24°28	24°16	26°33	20°21	14°24	20°34	15°59	17°16	10°52	12° 2	W 23
T 24	2 44 36	9°34'12	24°39	20°40	26°31	25°11	24°17	26°28	20°19	14°23	20°35	15°52	17°13	10°59	12° 1	T 24
F 25	2 48 33	10°34'33	7♂155	21°42	27°29	25°55	24°19	26°24	20°18	14°22	20°36	15°47	17° 9	11° 6	12° 0	F 25
S 26	2 52 29	11°34'55	21°25	22°49	28°27	26°39	24°21	26°19	20°16	14°22	20°37	15°43	17° 6	11°12	11°59	S 26
S 27	2 56 26	12°35'20	5♂ 9	24° 1	29°24	27°22	24°22	26°14	20°14	14°21	20°37	15°41	17° 3	11°19	11°58	S 27
M 28	3 0 23	13°35'45	19° 3	25°17	0♂320	28° 6	24°23	26°10	20°12	14°20	20°38	15°D40	17° 0	11°26	11°57	M 28
T 29	3 4 19	14°36'13	3♂ 5	26°36	1°16	28°50	24°24	26° 5	20°10	14°20	20°39	15°41	16°57	11°32	11°56	T 29
W 30	3 8 16	15°36'42	17°11	27°57	2°12	29°34	24°25	26° 1	20° 8	14°19	20°39	15°43	16°54	11°39	11°55	W 30
T 31	3 12 12	16♂137'12	1♂21	29♂21	3♂ 7	0♂18	24♂25	25°Y57	20Ⅱ 6	14♂19	20♂41	15°44	16♂50	11♂46	11♂54	T 31

ASTRODIENST EPHEMERIS for the year 1527

geocentric

NOVEMBER 1527 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	3 16 9	17 ¹³ 37'43	15 ³³ 31	0 ¹⁴ 47	4 ³ 1	1 ³³ 2	24 ²⁵ 25	25 ⁵ R52	20 ⁵ R 4	14 ¹⁸ R18	20 ³ 42	15 ⁵ R45	16 ³ 47	11 ¹⁵ 52	11 ⁵ R53	F 1
S 2	3 20 5	18 ³⁸ 15	29 ⁴¹	2 ¹⁵	4 ⁵⁵	1 ⁴⁶	24 ²⁵ R25	25 ⁵ Y48	20 ¹¹ 2	14 ¹⁸ 17	20 ⁴ 44	15 ³ 44	16 ⁴ 44	11 ⁵ 59	11 ⁵ 53	S 2
S 3	3 24 2	19 ³⁸ 49	13 ³⁸ 47	3 ⁴⁴	5 ⁴⁸	2 ³⁰	24 ²⁵	25 ⁴⁴	20 ⁰	14 ¹⁷	20 ⁴⁵	15 ⁴³	16 ⁴¹	12 ⁶	11 ⁵²	S 3
M 4	3 27 58	20 ³⁹ 24	27 ⁴⁹	5 ¹⁴	6 ⁴⁰	3 ¹⁴	24 ²⁵	25 ⁴⁰	19 ⁵⁸	14 ¹⁷	20 ⁴⁶	15 ⁴⁰	16 ³⁸	12 ¹³	11 ⁵¹	M 4
T 5	3 31 55	21 ⁴⁰ 00	11 ⁴³	6 ⁴⁵	7 ³²	3 ⁵⁸	24 ²⁵	25 ³⁶	19 ⁵⁶	14 ¹⁶	20 ⁴⁷	15 ³⁶	16 ³⁴	12 ¹⁹	11 ⁵¹	T 5
W 6	3 35 52	22 ⁴⁰ 37	25 ²⁶	8 ¹⁶	8 ²³	4 ⁴²	24 ²⁴	25 ³²	19 ⁵⁴	14 ¹⁶	20 ⁴⁸	15 ³³	16 ³¹	12 ²⁶	11 ⁵⁰	W 6
T 7	3 39 48	23 ⁴¹ 16	8 ⁵⁷	9 ⁴⁸	9 ¹³	5 ²⁷	24 ²³	25 ²⁸	19 ⁵¹	14 ¹⁵	20 ⁴⁹	15 ³⁰	16 ²⁸	12 ³³	11 ⁵⁰	T 7
F 8	3 43 45	24 ⁴¹ 56	22 ¹³	11 ²¹	10 ²	6 ¹¹	24 ²²	25 ²⁴	19 ⁴⁹	14 ¹⁵	20 ⁵¹	15 ²⁷	16 ²⁵	12 ³⁹	11 ⁵⁰	F 8
S 9	3 47 41	25 ⁴² 38	5 ¹¹ 13	12 ⁵⁴	10 ⁵¹	6 ⁵⁵	24 ²¹	25 ²⁰	19 ⁴⁷	14 ¹⁵	20 ⁵²	15 ²⁶	16 ²²	12 ⁴⁶	11 ⁴⁹	S 9
S 10	3 51 38	26 ⁴³ 21	17 ⁵⁶	14 ²⁷	11 ³⁸	7 ³⁹	24 ¹⁹	25 ¹⁶	19 ⁴⁵	14 ¹⁵	20 ⁵³	15 ²⁵	16 ¹⁹	12 ⁵³	11 ⁴⁹	S 10
M 11	3 55 34	27 ⁴⁴ 05	0 ²³	16 ¹	12 ²⁵	8 ²⁴	24 ¹⁷	25 ¹³	19 ⁴²	14 ¹⁴	20 ⁵⁴	15 ²⁶	16 ¹⁵	12 ⁵⁹	11 ⁴⁹	M 11
T 12	3 59 31	28 ⁴⁴ 51	12 ³⁶	17 ³⁴	13 ¹¹	9 ⁸	24 ¹⁶	25 ⁹	19 ⁴⁰	14 ¹⁴	20 ⁵⁶	15 ²⁷	16 ¹²	13 ⁶	11 ⁴⁹	T 12
W 13	4 3 27	29 ⁴⁵ 38	24 ³⁸	19 ⁸	13 ⁵⁶	9 ⁵³	24 ¹³	25 ⁵	19 ³⁸	14 ¹⁴	20 ⁵⁷	15 ²⁹	16 ⁹	13 ¹³	11 ⁴⁹	W 13
T 14	4 7 24	0 ⁴⁶ 27	6 ¹² 32	20 ⁴²	14 ⁴⁰	10 ³⁷	24 ¹¹	25 ²	19 ³⁵	14 ¹⁴	20 ⁵⁸	15 ³⁰	16 ⁶	13 ²⁰	11 ⁴⁹	T 14
F 15	4 11 21	1 ⁴⁷ 17	18 ²³	22 ¹⁶	15 ²³	11 ²²	24 ⁹	24 ⁵⁹	19 ³³	14 ¹⁴	21 ⁰	15 ³¹	16 ³	13 ²⁶	11 ⁴⁹	F 15
S 16	4 15 17	2 ⁴⁸ 09	0 ¹¹ 15	23 ⁵⁰	16 ⁵	12 ⁶	24 ⁶	24 ⁵⁵	19 ³⁰	14 ¹⁴	21 ¹	15 ³²	16 ⁰	13 ³³	11 ⁴⁹	S 16
S 17	4 19 14	3 ⁴⁹ 02	12 ¹⁴	25 ²³	16 ⁴⁵	12 ⁵¹	24 ³	24 ⁵²	19 ²⁸	14 ¹⁴	21 ³	15 ³²	15 ⁵⁶	13 ⁴⁰	11 ⁴⁹	S 17
M 18	4 23 10	4 ⁴⁹ 56	24 ²³	26 ⁵⁷	17 ²⁵	13 ³⁵	24 ⁰	24 ⁴⁹	19 ²⁶	14 ¹⁴	21 ⁴	15 ³¹	15 ⁵³	13 ⁴⁶	11 ⁴⁹	M 18
T 19	4 27 7	5 ⁵⁰ 52	6 ⁴⁸	28 ³¹	18 ³	14 ²⁰	23 ⁵⁷	24 ⁴⁶	19 ²³	14 ¹⁴	21 ⁶	15 ³⁰	15 ⁵⁰	13 ⁵³	11 ⁵⁰	T 19
W 20	4 31 3	6 ⁵¹ 48	19 ³¹	0 ⁴⁷ 5	18 ⁴⁰	15 ⁵	23 ⁵³	24 ⁴³	19 ²¹	14 ¹⁴	21 ⁷	15 ²⁹	15 ⁴⁷	14 ⁰	11 ⁵⁰	W 20
T 21	4 35 0	7 ⁵² 47	2 ¹¹ 36	1 ³⁹	19 ¹⁶	15 ⁴⁹	23 ⁵⁰	24 ⁴⁰	19 ¹⁸	14 ¹⁴	21 ⁹	15 ²⁷	15 ⁴⁴	14 ⁶	11 ⁵⁰	T 21
F 22	4 38 56	8 ⁵³ 46	16 ³	3 ¹³	19 ⁵⁰	16 ³⁴	23 ⁴⁶	24 ³⁷	19 ¹⁶	14 ¹⁴	21 ¹⁰	15 ²⁷	15 ⁴⁰	14 ¹³	11 ⁵¹	F 22
S 23	4 42 53	9 ⁵⁴ 47	29 ⁵¹	4 ⁴⁷	20 ²³	17 ¹⁹	23 ⁴²	24 ³⁵	19 ¹³	14 ¹⁵	21 ¹²	15 ²⁶	15 ³⁷	14 ²⁰	11 ⁵¹	S 23
S 24	4 46 50	10 ⁵⁵ 48	13 ⁴⁷ 59	6 ²¹	20 ⁵⁴	18 ⁴	23 ³⁸	24 ³²	19 ¹¹	14 ¹⁵	21 ¹³	15 ²⁶	15 ³⁴	14 ²⁷	11 ⁵²	S 24
M 25	4 50 46	11 ⁵⁶ 50	28 ²¹	7 ⁵⁵	21 ²⁴	18 ⁴⁸	23 ³⁴	24 ³⁰	19 ⁸	14 ¹⁵	21 ¹⁵	15 ²⁶	15 ³¹	14 ³³	11 ⁵³	M 25
T 26	4 54 43	12 ⁵⁷ 54	12 ⁵²	9 ²⁹	21 ⁵³	19 ³³	23 ²⁹	24 ²⁷	19 ⁵	14 ¹⁵	21 ¹⁶	15 ²⁶	15 ²⁸	14 ⁴⁰	11 ⁵³	T 26
W 27	4 58 39	13 ⁵⁸ 57	27 ²⁷	11 ³	22 ¹⁹	20 ¹⁸	23 ²⁴	24 ²⁵	19 ³	14 ¹⁶	21 ¹⁸	15 ²⁶	15 ²⁵	14 ⁴⁷	11 ⁵⁴	W 27
T 28	5 2 36	15 ⁰ 002	11 ³⁵ 59	12 ³⁷	22 ⁴⁴	21 ³	23 ¹⁹	24 ²³	19 ⁰	14 ¹⁶	21 ²⁰	15 ²⁷	15 ²¹	14 ⁵³	11 ⁵⁵	T 28
F 29	5 6 32	16 ¹ 06	26 ²⁴	14 ¹²	23 ⁷	21 ⁴⁸	23 ¹⁴	24 ²¹	18 ⁵⁸	14 ¹⁷	21 ²¹	15 ²⁷	15 ¹⁸	15 ⁰	11 ⁵⁶	F 29
S 30	5 10 29	17 ² 11	10 ³⁸	15 ⁴⁶	23 ²⁸	22 ³²	23 ²⁵ 9	24 ¹⁹ 19	18 ¹¹ 55	14 ¹⁷	21 ²³	15 ²⁶	15 ¹⁵	15 ¹² 7	11 ⁵⁷	S 30

Delta T = 229.38 sec

Julian Calendar 1 Nov. 1527 == Greg. Calendar 11 Nov. 1527

DECEMBER 1527 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	5 14 25	18 ³ 17	24 ³⁹	17 ²¹ 21	23 ³ 47	23 ³³ 17	23 ³⁰ R 4	24 ¹⁷ R17	18 ⁵ R53	14 ¹⁸ 17	21 ²⁵ 25	15 ²⁶ 26	15 ¹² 12	15 ¹³ 13	11 ⁵⁸ 58	S 1
M 2	5 18 22	19 ⁴ 22	8 ¹⁹ 26	18 ⁵⁵	24 ⁴	24 ²	22 ⁵⁸ 58	24 ¹⁵ 15	18 ¹¹ 50	14 ¹⁸	21 ²⁶	15 ²⁷	15 ⁹	15 ²⁰	11 ⁵⁹	M 2
T 3	5 22 19	20 ⁵ 28	21 ⁵⁹	20 ³⁰	24 ¹⁹	24 ⁴⁷	22 ⁵³	24 ¹³	18 ⁴⁸	14 ¹⁹	21 ²⁸	15 ²⁷	15 ⁶	15 ²⁷	12 ⁰	T 3
W 4	5 26 15	21 ⁶ 34	5 ¹⁷	22 ⁵	24 ³²	25 ³²	22 ⁴⁷	24 ¹²	18 ⁴⁵	14 ¹⁹	21 ³⁰	15 ²⁸	15 ²	15 ³⁴	12 ¹	W 4
T 5	5 30 12	22 ⁷ 41	18 ²¹	23 ⁴⁰	24 ⁴³	26 ¹⁷	22 ⁴¹	24 ¹⁰	18 ⁴²	14 ²⁰	21 ³²	15 ²⁸	14 ⁵⁹	15 ⁴⁰	12 ²	T 5
F 6	5 34 8	23 ⁸ 48	1 ¹¹ 13	25 ¹⁶	24 ⁵¹	27 ¹	22 ³⁵	24 ⁹	18 ⁴⁰	14 ²⁰	21 ³³	15 ²⁹	14 ⁵⁶	15 ⁴⁷	12 ⁴	F 6
S 7	5 38 5	24 ⁹ 55	13 ⁵¹	26 ⁵¹	24 ⁵⁷	27 ⁴⁶	22 ²⁹	24 ⁸	18 ³⁷	14 ²¹	21 ³⁵	15 ²⁹ R29	14 ⁵³	15 ⁵⁴	12 ⁵	S 7
S 8	5 42 1	25 ¹¹ 03	26 ¹⁹	28 ²⁷	25 ¹	28 ³¹	22 ²²	24 ⁷	18 ³⁵	14 ²²	21 ³⁷	15 ²⁹	14 ⁵⁰	16 ⁰	12 ⁶	S 8
M 9	5 45 58	26 ¹² 11	8 ³⁵	0 ³ 3	25 ⁵ R 2	29 ¹⁶	22 ¹⁶	24 ⁶	18 ³²	14 ²³	21 ³⁹	15 ²⁸	14 ⁴⁶	16 ⁷	12 ⁸	M 9
T 10	5 49 55	27 ¹³ 20	20 ⁴²	1 ³⁹	25 ¹	0 ¹¹ 1	22 ⁹	24 ⁵	18 ³⁰	14 ²³	21 ⁴⁰	15 ²⁷	14 ⁴³	16 ¹⁴	12 ⁹	T 10
W 11	5 53 51	28 ¹⁴ 28	2 ¹⁴	3 ¹⁶	24 ⁵⁷	0 ⁴⁶	22 ²	24 ⁴	18 ²⁷	14 ²⁴	21 ⁴²	15 ²⁵	14 ⁴⁰	16 ²¹	12 ¹¹	W 11
T 12	5 57 48	29 ¹⁵ 38	14 ³⁴	4 ⁵²	24 ⁵¹	1 ³¹	21 ⁵⁵	24 ³	18 ²⁵	14 ²⁵	21 ⁴⁴	15 ²³	14 ³⁷	16 ²⁷	12 ¹²	T 12
F 13	6 1 44	0 ¹⁶ 47	26 ²⁵	6 ²⁹	24 ⁴²	2 ¹⁵	21 ⁴⁸	24 ³	18 ²²	14 ²⁶	21 ⁴⁶	15 ²⁰	14 ³⁴	16 ³⁴	12 ¹⁴	F 13
S 14	6 5 41	1 ¹⁷ 57	8 ¹¹ 17	8 ⁶	24 ³¹	3 ⁰	21 ⁴¹	24 ²	18 ²⁰	14 ²⁷	21 ⁴⁸	15 ¹⁹	14 ³¹	16 ⁴¹	12 ¹⁶	S 14
S 15	6 9 37	2 ¹⁹ 07	20 ¹³	9 ⁴⁴	24 ¹⁷	3 ⁴⁵	21 ³⁴	24 ²	18 ¹⁷	14 ²⁸	21 ⁵⁰	15 ¹⁷	14 ²⁷	16 ⁴⁷	12 ¹⁸	S 15
M 16	6 13 34	3 ²⁰ 18	2 ¹⁹	11 ²¹	24 ¹	4 ³⁰	21 ²⁷	24 ²	18 ¹⁵	14 ²⁹	21 ⁵²	15 ²¹ D17	14 ²⁴	16 ⁵⁴	12 ¹⁹	M 16
T 17	6 17 30	4 ²¹ 29	14 ⁴⁰	12 ⁵⁹	23 ⁴²	5 ¹⁵	21 ¹⁹	24 ²	18 ¹²	14 ³⁰	21 ⁵³	15 ¹⁷	14 ²¹	17 ¹	12 ²¹	T 17
W 18	6 21 27	5 ²² 40	27 ¹⁸	14 ³⁷	23 ²¹	5 ⁵⁹	21 ¹²	24 ² D 2	18 ¹⁰	14 ³¹	21 ⁵⁵	15 ¹⁸	14 ¹⁸	17 ⁷	12 ²³	W 18
T 19	6 25 24	6 ²³ 52	10 ¹¹ 19	16 ¹⁵	22 ⁵⁸	6 ⁴⁴	21 ⁴	24 ²	18 ⁷	14 ³²	21 ⁵⁷	15 ²⁰	14 ¹⁵	17 ¹⁴	12 ²⁵	T 19
F 20	6 29 20	7 ²⁵ 03	23 ⁴⁶	17 ⁵³	22 ³³	7 ²⁹	20 ⁵⁷	24 ²	18 ⁵	14 ³³	21 ⁵⁹	15 ²¹	14 ¹²	17 ²¹	12 ²⁷	F 20
S 21	6 33 17	8 ²⁶ 15	7 ³⁹	19 ³²	22 ⁶	8 ¹⁴	20 ⁴⁹	24 ²	18 ³	14 ³⁴	22 ¹	15 ²²	14 ⁸	17 ²⁸	12 ²⁹	S 21
S 22	6 37 13	9 ²⁷ 27	21 ⁵⁸	21 ¹⁰	21 ³⁷	8 ⁵⁹	20 ⁴¹	24 ³	18 ⁰	14 ³⁵	22 ³	15 ²² R22	14 ⁵	17 ³⁴	12 ³¹	S 22
M 23	6 41 10	10 ²⁸ 39	6 ³⁸	22 ⁴⁸	21 ⁶	9 ⁴³	20 ³³	24 ³	17 ⁵⁸	14 ³⁷	22 ⁵	15 ²¹	14 ²	17 ⁴¹	12 ³³	M 23
T 24	6 45 6	11 ²⁹ 51	21 ³⁴	24 ²⁶	20 ³³	10 ⁴⁸	20 ²⁶	24 ⁴	17 ⁵⁶	14 ³⁸	22 ⁷	15 ¹⁸	13 ⁵⁹	17 ⁴⁸	12 ³⁶	T 24
W 25	6 49 3	12 ³¹ 03	6 ³⁷	26 ³	20 ⁰	11 ¹³	20 ¹⁸	24 ⁵	17 ⁵³	14 ³⁹	22 ⁹	15 ¹⁵	13 ⁵⁶	17 ⁵⁴	12 ³⁸	W 25
T 26	6 52 59	13 ³² 14	21 ³⁷	27 ⁴⁰	19 ²⁵	11 ⁵⁸	20 ¹⁰	24 ⁶	17 ⁵¹	14 ⁴⁰	22 ¹¹	15 ¹¹	13 ⁵²	18 ¹	12 ⁴⁰	T 26
F 27	6 56 56	14 ³³ 24	6 ⁴⁶ 26	29 ¹⁶	18 ⁴⁹	12 ⁴²	20 ²	24 ⁷	17 ⁴⁹	14 ⁴²	22 ¹³	15 ⁷	13 ⁴⁹	18 ⁸	12 ⁴³	F 27
S 28	7 0 53	15 ³⁴ 33	20 ⁵⁷	0 ³⁵ 51	18 ¹³	13 ²⁷	19 ⁵⁴	24 ⁸	17 ⁴⁷	14 ⁴³	22 ¹⁵	15 ³	13 ⁴⁶	18 ¹⁵	12 ⁴⁵	S 28
S 29	7 4 49	16 ³⁵ 42	5 ¹⁹ 6	2 ²⁴	17 ³⁶	14 ¹²	19 ⁴⁶	24 ⁹	17 ⁴⁵	14 ⁴⁴	22 ¹⁷	15 ¹	13 ⁴³	18 ²¹	12 ⁴⁸	S 29
M 30	7 8 46	17 ³⁶ 51	18 ⁵³	3 ⁵⁷	16 ⁵⁹	14 ⁵⁶	19 ³⁸	24 ¹⁰	17 ⁴²	14 ⁴⁶	22 ¹⁸	15 ² D 1	13 ⁴⁰	18 ²⁸	12 ⁵⁰	M 30
T 31	7 12 42	18 ³⁷ 58	2 ⁴⁸ 17	5 ³² 27	16 ³³ 23	15 ⁴¹	19 ³⁰	24 ¹¹ 12	17 ⁴⁰	14 ⁴⁷	22 ²⁰	15 ³	13 ³⁷	18 ²³ 35	12 ⁵³	T 31