



Astrodienst Ephemeris Tables for the year 2094

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 2094
geocentric

JANUARY 2094

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	6 44 43	11°3'42	3°21	25°26	19°R32	22°44	26°31	6°R 5	24°15	3°R57	26°R29	16°R43	16°57	8°R 8	25°R56	F 1
S 2	6 48 40	12° 4'50	15°19	27° 0	19°18	23°31	26°39	6°R 0	24°16	3°R56	26°R29	16°D43	16°54	8°15	25°R53	S 2
S 3	6 52 36	13° 5'58	27°12	28°33	19° 7	24°18	26°47	5°56	24°18	3°55	26°28	16°43	16°51	8°21	25°51	S 3
M 4	6 56 33	14° 7'05	9°R 2	0°5	18°58	25° 5	26°56	5°52	24°19	3°55	26°28	16°43	16°48	8°28	25°48	M 4
T 5	7 0 29	15° 8'13	20°49	1°36	18°52	25°51	27° 5	5°47	24°21	3°54	26°28	16°44	16°45	8°35	25°45	T 5
W 6	7 4 26	16° 9'21	2°R39	3° 5	18°48	26°38	27°13	5°43	24°23	3°53	26°28	16°44	16°41	8°41	25°43	W 6
T 7	7 8 23	17°10'29	14°33	4°33	18°D47	27°25	27°22	5°38	24°25	3°52	26°28	16°R44	16°38	8°48	25°40	T 7
F 8	7 12 19	18°11'38	26°36	5°58	18°48	28°12	27°31	5°34	24°26	3°51	26°28	16°44	16°35	8°55	25°37	F 8
S 9	7 16 16	19°12'46	8°51	7°21	18°52	28°59	27°41	5°29	24°28	3°49	26°D28	16°43	16°32	9° 1	25°34	S 9
S 10	7 20 12	20°13'54	21°23	8°40	18°58	29°46	27°50	5°24	24°30	3°48	26°28	16°D43	16°29	9° 8	25°30	S 10
M 11	7 24 9	21°15'03	4°R16	9°56	19° 6	0°R33	28° 0	5°20	24°32	3°47	26°28	16°44	16°25	9°15	25°27	M 11
T 12	7 28 5	22°16'11	17°34	11° 8	19°17	1°20	28° 9	5°15	24°34	3°46	26°28	16°44	16°22	9°21	25°24	T 12
W 13	7 32 2	23°17'20	1°R19	12°15	19°30	2° 7	28°19	5°10	24°36	3°45	26°28	16°45	16°19	9°28	25°20	W 13
T 14	7 35 58	24°18'29	15°31	13°16	19°45	2°54	28°29	5° 5	24°38	3°44	26°28	16°45	16°16	9°35	25°17	T 14
F 15	7 39 55	25°19'37	0°R 8	14°10	20° 2	3°41	28°39	5° 1	24°40	3°43	26°28	16°46	16°13	9°41	25°13	F 15
S 16	7 43 52	26°20'46	15° 5	14°58	20°21	4°28	28°49	4°56	24°42	3°41	26°28	16°R46	16°10	9°48	25°10	S 16
S 17	7 47 48	27°21'54	0°R15	15°36	20°42	5°15	28°59	4°51	24°44	3°40	26°29	16°46	16° 6	9°55	25° 6	S 17
M 18	7 51 45	28°23'01	15°28	16° 6	21° 5	6° 2	29°10	4°46	24°47	3°39	26°29	16°45	16° 3	10° 1	25° 2	M 18
T 19	7 55 41	29°24'08	0°R34	16°25	21°29	6°48	29°20	4°41	24°49	3°37	26°29	16°44	16° 0	10° 8	24°59	T 19
W 20	7 59 38	0°R25'14	15°25	16°R34	21°56	7°35	29°31	4°36	24°51	3°36	26°29	16°42	15°57	10°15	24°55	W 20
T 21	8 3 34	1°26'19	29°54	16°32	22°24	8°22	29°42	4°31	24°53	3°35	26°29	16°40	15°54	10°21	24°51	T 21
F 22	8 7 31	2°27'23	13°R57	16°17	22°53	9° 9	29°52	4°26	24°56	3°33	26°30	16°39	15°51	10°28	24°47	F 22
S 23	8 11 27	3°28'26	27°33	15°52	23°25	9°56	0°R 3	4°21	24°58	3°32	26°30	16°D38	15°47	10°35	24°43	S 23
S 24	8 15 24	4°29'28	10°R44	15°15	23°57	10°43	0°14	4°17	25° 1	3°31	26°30	16°38	15°44	10°41	24°39	S 24
M 25	8 19 21	5°30'30	23°33	14°27	24°31	11°30	0°25	4°12	25° 3	3°29	26°31	16°39	15°41	10°48	24°34	M 25
T 26	8 23 17	6°31'30	6°R 2	13°30	25° 7	12°16	0°37	4° 7	25° 6	3°28	26°31	16°40	15°38	10°55	24°30	T 26
W 27	8 27 14	7°32'29	18°17	12°26	25°44	13° 3	0°48	4° 2	25° 8	3°26	26°31	16°42	15°35	11° 1	24°26	W 27
T 28	8 31 10	8°33'28	0°R20	11°16	26°22	13°50	1° 0	3°57	25°11	3°25	26°32	16°43	15°31	11° 8	24°22	T 28
F 29	8 35 7	9°34'25	12°16	10° 1	27° 1	14°37	1°11	3°52	25°13	3°23	26°32	16°R44	15°28	11°14	24°17	F 29
S 30	8 39 3	10°35'21	24° 7	8°46	27°42	15°23	1°23	3°47	25°16	3°22	26°33	16°44	15°25	11°21	24°13	S 30
S 31	8 43 0	11°36'16	5°R55	7°R31	28°R24	16°R10	1°R34	3°R42	25°R19	3°R20	26°R33	16°R43	15°R22	11°R28	24°R 8	S 31

Delta T = 90.48 sec

FEBRUARY 2094

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	8 46 57	12°37'11	17°R44	6°R19	29°R 6	16°R57	1°R46	3°R37	25°R21	3°R19	26°R34	16°R40	15°R19	11°R34	24°R 4	M 1
T 2	8 50 53	13°38'04	29°35	5°R12	29°50	17°43	1°58	3°R32	25°24	3°R17	26°R34	16°R36	15°16	11°41	24°R 0	T 2
W 3	8 54 50	14°38'56	11°R29	4°11	0°R35	18°30	2°10	3°R28	25°27	3°R16	26°R35	16°R31	15°12	11°48	23°55	W 3
T 4	8 58 46	15°39'47	23°29	3°17	1°21	19°16	2°22	3°R23	25°30	3°R14	26°R35	16°R26	15° 9	11°54	23°50	T 4
F 5	9 2 43	16°40'38	5°R37	2°31	2° 8	20° 3	2°34	3°R18	25°32	3°R12	26°R36	16°R20	15° 6	12° 1	23°46	F 5
S 6	9 6 39	17°41'27	17°56	1°53	2°55	20°50	2°47	3°R13	25°35	3°R11	26°R36	16°R16	15° 3	12° 8	23°41	S 6
S 7	9 10 36	18°42'16	0°R18	1°23	3°44	21°36	2°59	3° 9	25°38	3° 9	26°R37	16°R13	15° 0	12°14	23°37	S 7
M 8	9 14 32	19°43'03	13°18	1° 2	4°33	22°23	3°11	3° 4	25°41	3° 8	26°R38	16°R11	14°56	12°21	23°32	M 8
T 9	9 18 29	20°43'50	26°27	0°49	5°23	23° 9	3°24	3° 0	25°44	3° 6	26°R38	16°D11	14°53	12°28	23°28	T 9
W 10	9 22 25	21°44'36	10°R 0	0°D44	6°14	23°56	3°37	2°55	25°47	3° 4	26°R39	16°R12	14°50	12°34	23°23	W 10
T 11	9 26 22	22°45'21	23°57	0°47	7° 6	24°42	3°49	2°50	25°50	3° 3	26°40	16°R14	14°47	12°41	23°18	T 11
F 12	9 30 19	23°46'05	8°R20	0°56	7°58	25°28	4° 2	2°46	25°53	3° 1	26°40	16°R15	14°44	12°48	23°14	F 12
S 13	9 34 15	24°46'47	23° 6	1°12	8°51	26°15	4°15	2°42	25°56	2°59	26°41	16°R15	14°41	12°54	23° 9	S 13
S 14	9 38 12	25°47'29	8°R10	1°34	9°45	27° 1	4°28	2°37	25°59	2°58	26°42	16°R13	14°37	13° 1	23° 4	S 14
M 15	9 42 8	26°48'09	23°24	2° 1	10°39	27°47	4°41	2°33	26° 2	2°56	26°43	16°R10	14°34	13° 8	23° 0	M 15
T 16	9 46 5	27°48'48	8°R37	2°34	11°34	28°34	4°54	2°29	26° 5	2°54	26°44	16° 4	14°31	13°14	22°55	T 16
W 17	9 50 1	28°49'25	23°40	3°11	12°30	29°20	5° 7	2°25	26° 8	2°53	26°44	15°57	14°28	13°21	22°50	W 17
T 18	9 53 58	29°50'01	8°R22	3°53	13°26	0°R 6	5°20	2°21	26°12	2°51	26°45	15°51	14°25	13°28	22°46	T 18
F 19	9 57 54	0°R50'35	22°39	4°38	14°22	0°52	5°33	2°16	26°15	2°49	26°46	15°44	14°22	13°34	22°41	F 19
S 20	10 1 51	1°51'07	6°R26	5°27	15°19	1°38	5°46	2°13	26°18	2°48	26°47	15°39	14°18	13°41	22°37	S 20
S 21	10 5 48	2°51'37	19°44	6°20	16°17	2°25	6° 0	2° 9	26°21	2°46	26°48	15°37	14°15	13°48	22°32	S 21
M 22	10 9 44	3°52'06	2°R36	7°16	17°15	3°11	6°13	2° 5	26°24	2°44	26°49	15°D36	14°12	13°54	22°28	M 22
T 23	10 13 41	4°52'33	15° 4	8°14	18°13	3°57	6°26	2° 1	26°28	2°43	26°50	15°36	14° 9	14° 1	22°23	T 23
W 24	10 17 37	5°52'58	27°15	9°16	19°12	4°43	6°40	1°57	26°31	2°41	26°51	15°37	14° 6	14° 8	22°19	W 24
T 25	10 21 34	6°53'21	9°R14	10°20	20°11	5°29	6°53	1°54	26°34	2°39	26°51	15°38	14° 2	14°14	22°14	T 25
F 26	10 25 30	7°53'42	21° 4	11°26	21°11	6°15	7° 7	1°50	26°37	2°38	26°52	15°R38	13°59	14°21	22°10	F 26
S 27	10 29 27	8°54'01	2°R52	12°34	22°11	7° 0	7°21	1°47	26°41	2°36	26°53	15°37	13°56	14°28	22° 6	S 27
S 28	10 33 23	9°R54'18	14°R39	13°R44	23°R12	7°R46	7°R34	1°R43	26°R44	2°R34	26°R54	15°R33	13°R53	14°R34	22°R 1	S 28

Delta T = 90.52 sec

ASTRODIENST EPHEMERIS for the year 2094

geocentric

MARCH 2094

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	10 37 20	10 ^h 54'34"	26 ^h 03'30"	14 ^h 55'57"	24 ^h 32'12"	8 ^h 32'32"	7 ^h 48'48"	1 ^h 40'40"	26 ^h 47'47"	2 ^h 33'33"	26 ^h 55'55"	15 ^h 26'26"	13 ^h 50'50"	14 ^h 04'41"	21 ^h 05'57"	M 1
T 2	10 41 17	11 ^h 54'47"	8 ^h 26'26"	16 ^h 11'11"	25 ^h 14'14"	9 ^h 18'18"	8 ^h 2'02"	1 ^h 03'37"	26 ^h 51'51"	2 ^h 31'31"	26 ^h 56'56"	15 ^h 07'17"	13 ^h 47'47"	14 ^h 48'48"	21 ^h 05'53"	T 2
W 3	10 45 13	12 ^h 54'59"	20 ^h 29'29"	17 ^h 27'27"	26 ^h 15'15"	10 ^h 4'04"	8 ^h 16'16"	1 ^h 34'34"	26 ^h 54'54"	2 ^h 29'29"	26 ^h 58'58"	15 ^h 6'06"	13 ^h 43'43"	14 ^h 54'54"	21 ^h 49'49"	W 3
T 4	10 49 10	13 ^h 55'09"	2 ^h 40'40"	18 ^h 44'44"	27 ^h 17'17"	10 ^h 49'49"	8 ^h 29'29"	1 ^h 31'31"	26 ^h 57'57"	2 ^h 28'28"	26 ^h 59'59"	14 ^h 55'55"	13 ^h 40'40"	15 ^h 1'01"	21 ^h 44'44"	T 4
F 5	10 53 6	14 ^h 55'17"	15 ^h 0'00"	20 ^h 3'03"	28 ^h 19'19"	11 ^h 35'35"	8 ^h 43'43"	1 ^h 28'28"	27 ^h 1'01"	2 ^h 26'26"	27 ^h 0'00"	14 ^h 43'43"	13 ^h 37'37"	15 ^h 8'08"	21 ^h 40'40"	F 5
S 6	10 57 3	15 ^h 55'24"	27 ^h 30'30"	21 ^h 24'24"	29 ^h 22'22"	12 ^h 21'21"	8 ^h 57'57"	1 ^h 25'25"	27 ^h 4'04"	2 ^h 24'24"	27 ^h 1'01"	14 ^h 33'33"	13 ^h 34'34"	15 ^h 14'14"	21 ^h 36'36"	S 6
S 7	11 0 59	16 ^h 55'29"	10 ^h 12'12"	22 ^h 46'46"	0 ^h 25'25"	13 ^h 6'06"	9 ^h 11'11"	1 ^h 23'23"	27 ^h 7'07"	2 ^h 23'23"	27 ^h 2'02"	14 ^h 25'25"	13 ^h 31'31"	15 ^h 21'21"	21 ^h 32'32"	S 7
M 8	11 4 56	17 ^h 55'33"	23 ^h 6'06"	24 ^h 9'09"	1 ^h 28'28"	13 ^h 52'52"	9 ^h 25'25"	1 ^h 20'20"	27 ^h 11'11"	2 ^h 21'21"	27 ^h 3'03"	14 ^h 20'20"	13 ^h 28'28"	15 ^h 28'28"	21 ^h 28'28"	M 8
T 9	11 8 52	18 ^h 55'35"	6 ^h 16'16"	25 ^h 34'34"	2 ^h 31'31"	14 ^h 37'37"	9 ^h 39'39"	1 ^h 17'17"	27 ^h 14'14"	2 ^h 20'20"	27 ^h 4'04"	14 ^h 17'17"	13 ^h 24'24"	15 ^h 34'34"	21 ^h 25'25"	T 9
W10	11 12 49	19 ^h 55'35"	19 ^h 43'43"	27 ^h 0'00"	3 ^h 35'35"	15 ^h 23'23"	9 ^h 53'53"	1 ^h 15'15"	27 ^h 18'18"	2 ^h 18'18"	27 ^h 5'05"	14 ^h 0D17	13 ^h 21'21"	15 ^h 41'41"	21 ^h 21'21"	W10
T 11	11 16 46	20 ^h 55'34"	3 ^h 32'29"	28 ^h 28'28"	4 ^h 39'39"	16 ^h 8'08"	10 ^h 7'07"	1 ^h 13'13"	27 ^h 21'21"	2 ^h 16'16"	27 ^h 6'06"	14 ^h 17'17"	13 ^h 18'18"	15 ^h 48'48"	21 ^h 17'17"	T 11
F 12	11 20 42	21 ^h 55'31"	17 ^h 36'36"	29 ^h 57'57"	5 ^h 43'43"	16 ^h 53'53"	10 ^h 22'22"	1 ^h 10'10"	27 ^h 25'25"	2 ^h 15'15"	27 ^h 8'08"	14 ^h 0R17	13 ^h 15'15"	15 ^h 54'54"	21 ^h 13'13"	F 12
S 13	11 24 39	22 ^h 55'27"	2 ^h 33'33"	1 ^h 27'27"	6 ^h 47'47"	17 ^h 39'39"	10 ^h 36'36"	1 ^h 8'08"	27 ^h 28'28"	2 ^h 13'13"	27 ^h 9'09"	14 ^h 16'16"	13 ^h 12'12"	16 ^h 1'01"	21 ^h 10'10"	S 13
S 14	11 28 35	23 ^h 55'21"	16 ^h 47'47"	2 ^h 58'58"	7 ^h 52'52"	18 ^h 24'24"	10 ^h 50'50"	1 ^h 6'06"	27 ^h 31'31"	2 ^h 12'12"	27 ^h 10'10"	14 ^h 12'12"	13 ^h 8'08"	16 ^h 8'08"	21 ^h 6'06"	S 14
M15	11 32 32	24 ^h 55'13"	1 ^h 44'44"	4 ^h 30'30"	8 ^h 57'57"	19 ^h 9'09"	11 ^h 4'04"	1 ^h 4'04"	27 ^h 35'35"	2 ^h 10'10"	27 ^h 11'11"	14 ^h 6'06"	13 ^h 5'05"	16 ^h 14'14"	21 ^h 3'03"	M15
T 16	11 36 28	25 ^h 55'03"	16 ^h 45'45"	6 ^h 4'04"	10 ^h 2'02"	19 ^h 54'54"	11 ^h 19'19"	1 ^h 2'02"	27 ^h 38'38"	2 ^h 9'09"	27 ^h 12'12"	13 ^h 57'57"	13 ^h 2'02"	16 ^h 21'21"	20 ^h 59'59"	T 16
W17	11 40 25	26 ^h 54'52"	1 ^h 41'41"	7 ^h 39'39"	11 ^h 7'07"	20 ^h 39'39"	11 ^h 33'33"	1 ^h 1'01"	27 ^h 42'42"	2 ^h 7'07"	27 ^h 14'14"	13 ^h 47'47"	12 ^h 59'59"	16 ^h 28'28"	20 ^h 56'56"	W17
T 18	11 44 21	27 ^h 54'38"	16 ^h 22'22"	9 ^h 15'15"	12 ^h 13'13"	21 ^h 25'25"	11 ^h 47'47"	0 ^h 59'59"	27 ^h 45'45"	2 ^h 6'06"	27 ^h 15'15"	13 ^h 35'35"	12 ^h 56'56"	16 ^h 34'34"	20 ^h 53'53"	T 18
F 19	11 48 18	28 ^h 54'22"	0 ^h 42'42"	10 ^h 53'53"	13 ^h 19'19"	22 ^h 10'10"	12 ^h 1'01"	0 ^h 58'58"	27 ^h 49'49"	2 ^h 4'04"	27 ^h 16'16"	13 ^h 25'25"	12 ^h 53'53"	16 ^h 41'41"	20 ^h 50'50"	F 19
S 20	11 52 15	29 ^h 54'04"	14 ^h 34'34"	12 ^h 32'32"	14 ^h 24'24"	22 ^h 55'55"	12 ^h 16'16"	0 ^h 56'56"	27 ^h 52'52"	2 ^h 3'03"	27 ^h 17'17"	13 ^h 16'16"	12 ^h 49'49"	16 ^h 48'48"	20 ^h 47'47"	S 20
S 21	11 56 11	0 ^h 53'44"	27 ^h 58'58"	14 ^h 11'11"	15 ^h 30'30"	23 ^h 40'40"	12 ^h 30'30"	0 ^h 55'55"	27 ^h 55'55"	2 ^h 1'01"	27 ^h 19'19"	13 ^h 9'09"	12 ^h 46'46"	16 ^h 54'54"	20 ^h 44'44"	S 21
M22	12 0 8	1 ^h 53'22"	10 ^h 15'55"	15 ^h 53'53"	16 ^h 37'37"	24 ^h 25'25"	12 ^h 45'45"	0 ^h 54'54"	27 ^h 59'59"	2 ^h 0'00"	27 ^h 20'20"	13 ^h 6'06"	12 ^h 43'43"	17 ^h 1'01"	20 ^h 41'41"	M22
T 23	12 4 4	2 ^h 52'58"	23 ^h 27'27"	17 ^h 35'35"	17 ^h 43'43"	25 ^h 9'09"	12 ^h 59'59"	0 ^h 53'53"	28 ^h 2'02"	1 ^h 59'59"	27 ^h 21'21"	13 ^h 4'04"	12 ^h 40'40"	17 ^h 8'08"	20 ^h 38'38"	T 23
W24	12 8 1	3 ^h 52'31"	5 ^h 04'16"	19 ^h 19'19"	18 ^h 50'50"	25 ^h 54'54"	13 ^h 13'13"	0 ^h 52'52"	28 ^h 6'06"	1 ^h 57'57"	27 ^h 22'22"	13 ^h 4'04"	12 ^h 37'37"	17 ^h 14'14"	20 ^h 35'35"	W24
T 25	12 11 57	4 ^h 52'02"	17 ^h 40'40"	21 ^h 4'04"	19 ^h 56'56"	26 ^h 39'39"	13 ^h 28'28"	0 ^h 51'51"	28 ^h 9'09"	1 ^h 56'56"	27 ^h 24'24"	13 ^h 4'04"	12 ^h 34'34"	17 ^h 21'21"	20 ^h 33'33"	T 25
F 26	12 15 54	5 ^h 51'31"	29 ^h 30'30"	22 ^h 50'50"	21 ^h 3'03"	27 ^h 24'24"	13 ^h 42'42"	0 ^h 50'50"	28 ^h 12'12"	1 ^h 54'54"	27 ^h 25'25"	13 ^h 3'03"	12 ^h 30'30"	17 ^h 28'28"	20 ^h 30'30"	F 26
S 27	12 19 50	6 ^h 50'57"	11 ^h 04'18"	24 ^h 38'38"	22 ^h 10'10"	28 ^h 8'08"	13 ^h 57'57"	0 ^h 50'50"	28 ^h 16'16"	1 ^h 53'53"	27 ^h 26'26"	13 ^h 0'00"	12 ^h 27'27"	17 ^h 34'34"	20 ^h 28'28"	S 27
S 28	12 23 47	7 ^h 50'21"	23 ^h 7'07"	26 ^h 26'26"	23 ^h 18'18"	28 ^h 53'53"	14 ^h 11'11"	0 ^h 49'49"	28 ^h 19'19"	1 ^h 52'52"	27 ^h 28'28"	12 ^h 55'55"	12 ^h 24'24"	17 ^h 41'41"	20 ^h 25'25"	S 28
M29	12 27 43	8 ^h 49'43"	5 ^h 16'16"	28 ^h 17'17"	24 ^h 25'25"	29 ^h 38'38"	14 ^h 26'26"	0 ^h 49'49"	28 ^h 23'23"	1 ^h 51'51"	27 ^h 29'29"	12 ^h 47'47"	12 ^h 21'21"	17 ^h 48'48"	20 ^h 23'23"	M29
T 30	12 31 40	9 ^h 49'03"	17 ^h 4'04"	0 ^h 47'47"	25 ^h 32'32"	0 ^h 52'52"	14 ^h 40'40"	0 ^h 48'48"	28 ^h 26'26"	1 ^h 49'49"	27 ^h 30'30"	12 ^h 36'36"	12 ^h 18'18"	17 ^h 54'54"	20 ^h 21'21"	T 30
W31	12 35 37	10 ^h 48'20"	29 ^h 17'17"	2 ^h 47'47"	26 ^h 40'40"	1 ^h 8'08"	14 ^h 45'55"	0 ^h 48'48"	28 ^h 29'29"	1 ^h 48'48"	27 ^h 32'32"	12 ^h 02'32"	12 ^h 04'34"	18 ^h 04'18"	20 ^h 04'18"	W31

Delta T = 90.55 sec

APRIL 2094

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 39 33	11°47'35	11°41	3°55	27°48	1°51	15°9	0°D48	28°33	1°R47	27°33	12°R 9	12°11	18°8	20°R17	T 1	
F 2	12 43 30	12°46'49	24°18	5°51	28°56	2°36	15°24	0°L48	28°36	1°46	27°34	11°55	12° 8	18°14	20°L15	F 2	
S 3	12 47 26	13°46'00	7°16	7°48	0°48	4° 3	15°38	0°48	28°39	1°45	27°36	11°43	12° 5	18°21	20°13	S 3	
S 4	12 51 23	14°45'10	20° 6	9°46	1°12	4° 4	15°53	0°48	28°43	1°43	27°37	11°33	12° 2	18°28	20°12	S 4	
M 5	12 55 19	15°44'17	3°16	11°45	2°20	4°48	16° 7	0°49	28°46	1°42	27°38	11°26	11°59	18°34	20°10	M 5	
T 6	12 59 16	16°43'23	16°38	13°46	3°28	5°33	16°22	0°49	28°49	1°41	27°40	11°22	11°55	18°41	20° 9	T 6	
W 7	13 3 12	17°42'27	0°11	15°48	4°37	6°17	16°36	0°50	28°53	1°40	27°41	11°21	11°52	18°48	20° 7	W 7	
T 8	13 7 9	18°41'30	13°57	17°50	5°45	7° 1	16°51	0°51	28°56	1°39	27°43	11°20	11°49	18°54	20° 6	T 8	
F 9	13 11 6	19°40'30	27°56	19°54	6°54	7°45	17° 5	0°51	28°59	1°38	27°44	11°20	11°46	19° 1	20° 5	F 9	
S 10	13 15 2	20°39'29	12°48	21°59	8° 3	8°29	17°20	0°52	29° 3	1°37	27°45	11°19	11°43	19° 8	20° 4	S 10	
S 11	13 18 59	21°38'27	26°33	24° 4	9°12	9°13	17°34	0°53	29° 6	1°36	27°47	11°15	11°39	19°14	20° 3	S 11	
M12	13 22 55	22°37'22	11°48	26°10	10°21	9°57	17°49	0°54	29° 9	1°35	27°48	11° 9	11°36	19°21	20° 2	M12	
T 13	13 26 52	23°36'16	25°42	28°16	11°30	10°41	18° 3	0°56	29°12	1°34	27°50	11° 0	11°33	19°28	20° 2	T 13	
W14	13 30 48	24°35'07	10°16	0°21	12°39	11°24	18°18	0°57	29°15	1°33	27°51	10°50	11°30	19°34	20° 1	W14	
T 15	13 34 45	25°33'57	24°39	2°27	13°48	12° 8	18°32	0°58	29°19	1°33	27°52	10°38	11°27	19°41	20° 0	T 15	
F 16	13 38 41	26°32'45	8°46	4°32	14°57	12°52	18°47	1° 0	29°22	1°32	27°54	10°27	11°24	19°48	20° 0	F 16	
S 17	13 42 38	27°31'31	22°31	6°36	16° 7	13°36	19° 1	1° 2	29°25	1°31	27°55	10°18	11°20	19°54	20° 0	S 17	
S 18	13 46 35	28°30'15	5°15	8°39	17°16	14°19	19°15	1° 3	29°28	1°30	27°57	10°11	11°17	20° 1	20° 0	S 18	
M19	13 50 31	29°28'57	18°49	10°41	18°26	15° 3	19°30	1° 5	29°31	1°29	27°58	10° 7	11°14	20° 8	19°D59	M19	
T 20	13 54 28	0°27'36	1°23	12°41	19°36	15°46	19°44	1° 7	29°34	1°29	27°59	10° 5	11°11	20°15	19°59	T 20	
W21	13 58 24	1°26'14	13°39	14°38	20°45	16°30	19°58	1° 9	29°37	1°28	28° 1	10°D 5	11° 8	20°21	20° 0	W21	
T 22	14 2 21	2°24'49	25°40	16°33	21°55	17°13	20°13	1°12	29°40	1°27	28° 2	10° 5	11° 5	20°28	20° 0	T 22	
F 23	14 6 17	3°23'22	7°13	18°25	23° 5	17°57	20°27	1°14	29°43	1°27	28° 4	10°R 5	11° 1	20°35	20° 0	F 23	
S 24	14 10 14	4°21'53	19°22	20°14	24°15	18°40	20°41	1°16	29°46	1°26	28° 5	10° 4	10°58	20°41	20° 1	S 24	
S 25	14 14 10	5°20'21	11°14	22° 0	25°25	19°23	20°56	1°19	29°49	1°26	28° 6	10° 0	10°55	20°48	20° 1	S 25	
M26	14 18 7	6°18'48	13°11	23°42	26°35	20° 6	21°10	1°21	29°52	1°25	28° 8	9°55	10°52	20°55	20° 2	M26	
T 27	14 22 4	7°17'12	25°20	25°20	27°45	20°50	21°24	1°24	29°55	1°25	28° 9	9°47	10°49	21° 1	20° 3	T 27	
W28	14 26 0	8°15'35	7°41	26°54	28°55	21°33	21°38	1°27	29°58	1°24	28°11	9°37	10°45	21° 8	20° 4	W28	
T 29	14 29 57	9°13'55	20°18	28°25	0°55	22°16	21°52	1°30	0°55	1°24	28°12	9°27	10°42	21°15	20° 5	T 29	
F 30	14 33 53	10°12'14	3°11	29°51	1°15	22°59	22°57	1°33	0°53	1°23	28°13	9°16	10°53	21°12	20° 6	F 30	

ASTRODIENST EPHEMERIS for the year 2094

geocentric

MAY 2094

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 37 50	11♌10'30	16♍18	1♊13	2♊26	23♌42	22♊21	1♌36	0♊6	1♌23	28♊15	9♌6	10♌36	21♌28	20♌7	S 1
S 2	14 41 46	12° 8'45	29°40	2°30	3°36	24°25	22°35	1°39	0°9	1♍23	28°16	8♌59	10°33	21°35	20°8	S 2
M 3	14 45 43	13° 6'59	13♌14	3°43	4°47	25°7	22°49	1°42	0°12	1°22	28°17	8°54	10°30	21°41	20°10	M 3
T 4	14 49 39	14° 5'11	26°57	4°51	5°57	25°50	23°3	1°46	0°14	1°22	28°19	8°51	10°26	21°48	20°11	T 4
W 5	14 53 36	15° 3'21	10♌49	5°55	7°8	26°33	23°17	1°49	0°17	1°22	28°20	8°51	10°23	21°55	20°13	W 5
T 6	14 57 33	16° 1'30	24°48	6°54	8°18	27°16	23°31	1°53	0°20	1°22	28°21	8°51	10°20	22°1	20°15	T 6
F 7	15 1 29	16°59'37	8♌52	7°48	9°29	27°58	23°45	1°56	0°22	1°21	28°23	8°52	10°17	22°8	20°17	F 7
S 8	15 5 26	17°57'43	23°1	8°37	10°39	28°41	23°58	2°0	0°25	1°21	28°24	8°52	10°14	22°15	20°19	S 8
S 9	15 9 22	18°55'48	7♌13	9°21	11°50	29°24	24°12	2°4	0°28	1°21	28°25	8°51	10°11	22°21	20°21	S 9
M10	15 13 19	19°53'51	21°26	10°1	13°1	0♊6	24°26	2°8	0°30	1°21	28°27	8°47	10°7	22°28	20°23	M10
T 11	15 17 15	20°51'53	5♊38	10°35	14°12	0°49	24°40	2°12	0°33	1°21	28°28	8°42	10°4	22°35	20°25	T 11
W12	15 21 12	21°49'54	19°44	11°4	15°23	1°31	24°53	2°16	0°35	1°21	28°29	8°35	10°1	22°41	20°27	W12
T 13	15 25 8	22°47'53	3♌41	11°29	16°34	2°13	25°7	2°20	0°37	1°21	28°31	8°27	9°58	22°48	20°30	T 13
F 14	15 29 5	23°45'50	17°24	11°48	17°45	2°56	25°21	2°24	0°40	1°21	28°32	8°20	9°55	22°55	20°32	F 14
S 15	15 33 2	24°43'47	0♊50	12°2	18°56	3°38	25°34	2°29	0°42	1°21	28°33	8°14	9°51	23°1	20°35	S 15
S 16	15 36 58	25°41'41	13°57	12°11	20°7	4°20	25°48	2°33	0°44	1°21	28°35	8°10	9°48	23°8	20°38	S 16
M17	15 40 55	26°39'35	26°45	12°R15	21°18	5°2	26°1	2°38	0°47	1°21	28°36	8°7	9°45	23°15	20°41	M17
T 18	15 44 51	27°37'26	9♌15	12°14	22°29	5°45	26°15	2°42	0°49	1°22	28°37	8°D7	9°42	23°22	20°44	T 18
W19	15 48 48	28°35'16	21°29	12°9	23°40	6°27	26°28	2°47	0°51	1°22	28°38	8°7	9°39	23°28	20°47	W19
T 20	15 52 44	29°33'04	3♌31	11°59	24°51	7°9	26°41	2°52	0°53	1°22	28°40	8°9	9°36	23°35	20°50	T 20
F 21	15 56 41	0♊30'51	15°25	11°45	26°2	7°51	26°54	2°56	0°55	1°22	28°41	8°10	9°32	23°42	20°53	F 21
S 22	16 0 37	1°28'36	27°16	11°27	27°14	8°33	27°8	3°1	0°57	1°23	28°42	8°R11	9°29	23°48	20°57	S 22
S 23	16 4 34	2°26'19	9♍8	11°5	28°25	9°15	27°21	3°6	1°0	1°23	28°43	8°11	9°26	23°55	21°0	S 23
M24	16 8 31	3°24'01	21°8	10°40	29°36	9°56	27°34	3°11	1°2	1°23	28°44	8°10	9°23	24°2	21°4	M24
T 25	16 12 27	4°21'41	3♌18	10°12	0♌47	10°38	27°47	3°17	1°3	1°24	28°46	8°7	9°20	24°8	21°7	T 25
W26	16 16 24	5°19'20	15°44	9°41	1°59	11°20	28°0	3°22	1°5	1°24	28°47	8°2	9°16	24°15	21°11	W26
T 27	16 20 20	6°16'57	28°28	9°9	3°10	12°2	28°13	3°27	1°7	1°25	28°48	7°58	9°13	24°22	21°15	T 27
F 28	16 24 17	7°14'33	11♌32	8°36	4°22	12°43	28°25	3°32	1°9	1°25	28°49	7°53	9°10	24°28	21°19	F 28
S 29	16 28 13	8°12'07	24°56	8°2	5°33	13°25	28°38	3°38	1°11	1°26	28°50	7°48	9°7	24°35	21°23	S 29
S 30	16 32 10	9°9'41	8♌38	7°28	6°45	14°7	28°51	3°43	1°13	1°26	28°51	7°45	9°4	24°42	21°27	S 30
M31	16 36 6	10♊7'13	22♌35	6♊55	7♌56	14♊48	29♊3	3♌49	1♊14	1♍27	28♊52	7♌43	9♌1	24♌48	21♌31	M31

Delta T = 90.62 sec

JUNE 2094

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 40 3	11♊4'44	6♌45	6°R23	9♌8	15♊30	29♊16	3♌54	1♊16	1♍28	28♊54	7°D42	8♌57	24♌55	21♌35	T 1
W 2	16 44 0	12° 2'15	21°2	5♊52	10°19	16°11	29°28	4°0	1°18	1°28	28°55	7♌42	8°54	25°2	21°40	W 2
T 3	16 47 56	12°59'44	5♌24	5°24	11°31	16°52	29°41	4°6	1°19	1°29	28°56	7°43	8°51	25°8	21°44	T 3
F 4	16 51 53	13°57'13	19°44	4°58	12°43	17°34	29°53	4°12	1°21	1°30	28°57	7°45	8°48	25°15	21°49	F 4
S 5	16 55 49	14°54'41	4♌2	4°35	13°54	18°15	0♌5	4°18	1°22	1°31	28°58	7°46	8°45	25°22	21°53	S 5
S 6	16 59 46	15°52'08	18°14	4°16	15°6	18°56	0°18	4°24	1°24	1°31	28°59	7°R46	8°42	25°29	21°58	S 6
M 7	17 3 42	16°49'34	2♊17	4°1	16°18	19°38	0°30	4°30	1°25	1°32	29°0	7°46	8°38	25°35	22°3	M 7
T 8	17 7 39	17°47'00	16°11	3°49	17°30	20°19	0°42	4°36	1°27	1°33	29°1	7°44	8°35	25°42	22°8	T 8
W 9	17 11 35	18°44'26	29°54	3°42	18°41	21°0	0°54	4°42	1°28	1°34	29°2	7°42	8°32	25°49	22°13	W 9
T 10	17 15 32	19°41'50	13♌25	3°D39	19°53	21°41	1°6	4°48	1°29	1°35	29°3	7°39	8°29	25°55	22°18	T 10
F 11	17 19 29	20°39'14	26°41	3°40	21°5	22°22	1°17	4°54	1°30	1°36	29°4	7°37	8°26	26°2	22°23	F 11
S 12	17 23 25	21°36'38	9♊44	3°46	22°17	23°3	1°29	5°0	1°32	1°37	29°5	7°35	8°22	26°9	22°28	S 12
S 13	17 27 22	22°34'01	22°32	3°56	23°29	23°44	1°41	5°7	1°33	1°38	29°6	7°34	8°19	26°15	22°33	S 13
M14	17 31 18	23°31'23	5♌5	4°11	24°41	24°25	1°52	5°13	1°34	1°39	29°6	7°D33	8°16	26°22	22°39	M14
T 15	17 35 15	24°28'44	17°25	4°31	25°53	25°6	2°4	5°20	1°35	1°40	29°7	7°33	8°13	26°29	22°44	T 15
W16	17 39 11	25°26'05	29°33	4°54	27°5	25°47	2°15	5°26	1°36	1°41	29°8	7°34	8°10	26°35	22°49	W16
T 17	17 43 8	26°23'24	11♌32	5°23	28°17	26°27	2°26	5°33	1°37	1°42	29°9	7°35	8°7	26°42	22°55	T 17
F 18	17 47 4	27°20'43	23°25	5°56	29°29	27°8	2°37	5°39	1°38	1°43	29°10	7°36	8°3	26°49	23°1	F 18
S 19	17 51 1	28°18'01	5♍16	6°33	0♊41	27°49	2°48	5°46	1°39	1°44	29°11	7°37	8°0	26°55	23°6	S 19
S 20	17 54 58	29°15'18	17°8	7°14	1°53	28°29	2°59	5°53	1°39	1°46	29°11	7°38	7°57	27°2	23°12	S 20
M21	17 58 54	0♌12'35	29°7	7°59	3°5	29°10	3°10	5°59	1°40	1°47	29°12	7°R38	7°54	27°9	23°18	M21
T 22	18 2 51	1°9'50	11♌17	8°49	4°17	29°51	3°21	6°6	1°41	1°48	29°13	7°38	7°51	27°16	23°24	T 22
W23	18 6 47	2°7'05	23°43	9°42	5°30	0♌31	3°31	6°13	1°41	1°49	29°14	7°37	7°48	27°22	23°30	W23
T 24	18 10 44	3°4'19	6♌28	10°40	6°42	1°12	3°42	6°20	1°42	1°51	29°14	7°37	7°44	27°29	23°36	T 24
F 25	18 14 40	4°1'33	19°35	11°41	7°54	1°52	3°52	6°27	1°43	1°52	29°15	7°36	7°41	27°36	23°42	F 25
S 26	18 18 37	4°58'46	3♌6	12°47	9°6	2°33	4°3	6°34	1°43	1°53	29°16	7°36	7°38	27°42	23°48	S 26
S 27	18 22 33	5°55'59	17°0	13°56	10°19	3°13	4°13	6°41	1°44	1°55	29°17	7°36	7°35	27°49	23°54	S 27
M28	18 26 30	6°53'11	1♌15	15°9	11°31	3°53	4°23	6°48	1°44	1°56	29°17	7°D36	7°32	27°56	24°1	M28
T 29	18 30 27	7°50'23	15°48	16°25	12°43	4°34	4°33	6°55	1°44	1°58	29°18	7°R36	7°28	28°2	24°7	T 29
W30	18 34 23	8°47'35	0♌31	17♊45	13♊56	5♌14	4♌43	7♌2	1♊45	1♍59	29♊18	7♌36	7♌25	28♌9	24♌13	W30

Delta T = 90.66 sec

ASTRODIENST EPHEMERIS for the year 2094

geocentric

JULY 2094

00:00 UT

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

Delta T = 90.70 sec

AUGUST 2094

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 40 33	9♌19°42	9♍1°	19♊36	22♏48	26♋23	8♌50	11♏3	1°R30	2♐57	29°R27	7°R10	5♏44	1♐43	28♏3	S 1
M 2	20 44 30	10°17'05	23°15	21°30	24°1	27°2	8°55	11°10	1°Y29	2°59	29°Y27	7♏8	5°40	1°50	28°11	M 2
T 3	20 48 26	11°14'29	7♌3	23°23	25°14	27°41	9°0	11°18	1°28	3°1	29°27	7°D7	5°37	1°57	28°19	T 3
W 4	20 52 23	12°11'54	20°27	25°14	26°28	28°20	9°5	11°26	1°26	3°3	29°27	7°7	5°34	2°3	28°27	W 4
T 5	20 56 19	13°9'20	3♊29	27°13	27°41	28°59	9°10	11°33	1°25	3°5	29°27	7°8	5°31	2°10	28°35	T 5
F 6	21 0 16	14°6'48	16°11	28°51	28°55	29°38	9°14	11°41	1°24	3°7	29°27	7°10	5°28	2°17	28°43	F 6
S 7	21 4 12	15°4'16	28°38	0♐37	0♏8	0♌17	9°19	11°49	1°22	3°10	29°27	7°11	5°25	2°24	28°51	S 7
S 8	21 8 9	16°1'46	10♏52	2°22	1°22	0°56	9°23	11°57	1°21	3°12	29°26	7°R11	5°21	2°30	28°59	S 8
M 9	21 12 5	16°59'17	22°56	4°5	2°36	1°35	9°27	12°4	1°19	3°14	29°26	7°10	5°18	2°37	29°6	M 9
T 10	21 16 2	17°56'49	4♌54	5°47	3°49	2°14	9°31	12°12	1°18	3°16	29°26	7°7	5°15	2°44	29°14	T 10
W 11	21 19 59	18°54'23	16°48	7°27	5°3	2°52	9°34	12°20	1°16	3°18	29°26	7°2	5°12	2°50	29°22	W 11
T 12	21 23 55	19°51'57	28°39	9°5	6°17	3°31	9°38	12°27	1°15	3°20	29°25	6°55	5°9	2°57	29°30	T 12
F 13	21 27 52	20°49'33	10♐30	10°42	7°30	4°10	9°41	12°35	1°13	3°23	29°25	6°47	5°6	3°4	29°38	F 13
S 14	21 31 48	21°47'09	22°21	12°17	8°44	4°49	9°44	12°43	1°11	3°25	29°25	6°38	5°2	3°10	29°46	S 14
S 15	21 35 45	22°44'47	4♌16	13°51	9°58	5°28	9°47	12°50	1°10	3°27	29°25	6°30	4°59	3°17	29°54	S 15
M 16	21 39 41	23°42'25	16°16	15°23	11°12	6°6	9°50	12°58	1°8	3°29	29°24	6°23	4°56	3°24	0♐3	M 16
T 17	21 43 38	24°40'05	28°25	16°54	12°26	6°45	9°52	13°6	1°6	3°31	29°24	6°18	4°53	3°31	0°11	T 17
W 18	21 47 34	25°37'45	10♌46	18°23	13°39	7°23	9°54	13°13	1°4	3°33	29°23	6°15	4°50	3°37	0°19	W 18
T 19	21 51 31	26°35'27	23°24	19°50	14°53	8°2	9°57	13°21	1°3	3°36	29°23	6°D14	4°46	3°44	0°27	T 19
F 20	21 55 28	27°33'10	6♌21	21°16	16°7	8°41	9°58	13°29	1°1	3°38	29°23	6°14	4°43	3°51	0°35	F 20
S 21	21 59 24	28°30'54	19°43	22°40	17°21	9°19	10°0	13°36	0°59	3°40	29°22	6°15	4°40	3°57	0°43	S 21
S 22	22 3 21	29°28'39	3♌31	24°3	18°35	9°58	10°2	13°44	0°57	3°42	29°22	6°R16	4°37	4°4	0°51	S 22
M 23	22 7 17	0♐26'25	17°47	25°24	19°49	10°36	10°3	13°51	0°55	3°45	29°21	6°15	4°34	4°11	0°59	M 23
T 24	22 11 14	1°24'12	2♌29	26°43	21°3	11°15	10°4	13°59	0°53	3°47	29°21	6°13	4°31	4°18	1°7	T 24
W 25	22 15 10	2°22'00	17°32	28°1	22°17	11°53	10°5	14°6	0°51	3°49	29°20	6°8	4°27	4°24	1°15	W 25
T 26	22 19 7	3°19'50	2♌48	29°17	23°31	12°31	10°6	14°14	0°49	3°51	29°20	6°1	4°24	4°31	1°23	T 26
F 27	22 23 3	4°17'41	18°7	0♌31	24°45	13°10	10°6	14°21	0°47	3°53	29°19	5°53	4°21	4°38	1°31	F 27
S 28	22 27 0	5°15'34	3♍17	1°43	26°0	13°48	10°7	14°29	0°45	3°56	29°18	5°44	4°18	4°44	1°40	S 28
S 29	22 30 57	6°13'29	18°8	2°53	27°14	14°26	10°R7	14°36	0°43	3°58	29°18	5°36	4°15	4°51	1°48	S 29
M 30	22 34 53	7°11'25	2♌33	4°0	28°28	15°5	10°7	14°43	0°41	4°0	29°17	5°30	4°12	4°58	1°56	M 30
T 31	22 38 50	8♐9'23	16♌30	5♌6	29♌42	15♌43	10♌7	14♌51	0°Y38	4♐2	29°Y17	5♏25	4♏8	5♐4	2♐4	T 31

ASTRODIENST EPHEMERIS for the year 2094

geocentric

SEPTEMBER 2094

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	22 42 46	9 ^h 7'23"	29 ^h 8'58"	6 ^h 10'10"	0 ^h 56'56"	16 ^h 21'16"	10 ^h 8'6"	14 ^h 58'58"	0 ^h 36'36"	4 ^h 5'5"	29 ^h 16'16"	5 ^h 23'23"	4 ^h 5'5"	5 ^h 11'11"	2 ^h 12'12"	W 1
T 2	22 46 43	10 ^h 5'25"	12 ^h 11'58"	7 ^h 11'11"	2 ^h 11'11"	16 ^h 59'59"	10 ^h 8'6"	15 ^h 5'5"	0 ^h 34'34"	4 ^h 7'7"	29 ^h 15'15"	5 ^h 23'23"	4 ^h 5'5"	5 ^h 18'18"	2 ^h 20'20"	T 2
F 3	22 50 39	11 ^h 3'29"	25 ^h 36'36"	8 ^h 9'9"	3 ^h 25'25"	17 ^h 38'38"	10 ^h 5'5"	15 ^h 12'12"	0 ^h 32'32"	4 ^h 9'9"	29 ^h 15'15"	5 ^h 24'24"	3 ^h 59'59"	5 ^h 25'25"	2 ^h 28'28"	F 3
S 4	22 54 36	12 ^h 1'35"	7 ^h 56'56"	9 ^h 5'5"	4 ^h 39'39"	18 ^h 16'16"	10 ^h 4'4"	15 ^h 20'20"	0 ^h 30'30"	4 ^h 11'11"	29 ^h 14'14"	5 ^h 24'24"	3 ^h 56'56"	5 ^h 31'31"	2 ^h 36'36"	S 4
S 5	22 58 32	12 ^h 59'43"	20 ^h 3'3"	9 ^h 58'58"	5 ^h 54'54"	18 ^h 54'54"	10 ^h 3'3"	15 ^h 27'27"	0 ^h 27'27"	4 ^h 13'13"	29 ^h 13'13"	5 ^h 23'23"	3 ^h 52'52"	5 ^h 38'38"	2 ^h 44'44"	S 5
M 6	23 2 229	13 ^h 57'52"	2 ^h 0'0"	10 ^h 47'47"	7 ^h 8'8"	19 ^h 32'32"	10 ^h 1'1"	15 ^h 34'34"	0 ^h 25'25"	4 ^h 16'16"	29 ^h 12'12"	5 ^h 20'20"	3 ^h 49'49"	5 ^h 45'45"	2 ^h 52'52"	M 6
T 7	23 6 25	14 ^h 56'04"	13 ^h 52'52"	11 ^h 34'34"	8 ^h 23'23"	20 ^h 10'10"	9 ^h 59'59"	15 ^h 41'41"	0 ^h 23'23"	4 ^h 18'18"	29 ^h 12'12"	5 ^h 14'14"	3 ^h 46'46"	5 ^h 51'51"	3 ^h 0'0"	T 7
W 8	23 10 22	15 ^h 54'17"	25 ^h 42'42"	12 ^h 17'17"	9 ^h 37'37"	20 ^h 48'48"	9 ^h 58'58"	15 ^h 48'48"	0 ^h 20'20"	4 ^h 20'20"	29 ^h 11'11"	5 ^h 5'5"	3 ^h 43'43"	5 ^h 58'58"	3 ^h 8'8"	W 8
T 9	23 14 19	16 ^h 52'32"	7 ^h 33'33"	12 ^h 56'56"	10 ^h 51'51"	21 ^h 26'26"	9 ^h 56'56"	15 ^h 55'55"	0 ^h 18'18"	4 ^h 22'22"	29 ^h 10'10"	4 ^h 54'54"	3 ^h 40'40"	6 ^h 5'5"	3 ^h 16'16"	T 9
F 10	23 18 15	17 ^h 50'49"	19 ^h 25'25"	13 ^h 31'31"	12 ^h 6'6"	22 ^h 4'4"	9 ^h 53'53"	16 ^h 2'2"	0 ^h 16'16"	4 ^h 24'24"	29 ^h 9'9"	4 ^h 41'41"	3 ^h 37'37"	6 ^h 11'11"	3 ^h 24'24"	F 10
S 11	23 22 12	18 ^h 49'08"	1 ^h 21'21"	14 ^h 2'2"	13 ^h 20'20"	22 ^h 42'42"	9 ^h 51'51"	16 ^h 9'9"	0 ^h 13'13"	4 ^h 27'27"	29 ^h 8'8"	4 ^h 28'28"	3 ^h 33'33"	6 ^h 18'18"	3 ^h 32'32"	S 11
S 12	23 26 8	19 ^h 47'28"	13 ^h 22'22"	14 ^h 29'29"	14 ^h 35'35"	23 ^h 20'20"	9 ^h 48'48"	16 ^h 16'16"	0 ^h 11'11"	4 ^h 29'29"	29 ^h 8'8"	4 ^h 15'15"	3 ^h 30'30"	6 ^h 25'25"	3 ^h 40'40"	S 12
M 13	23 30 5	20 ^h 45'50"	25 ^h 29'29"	14 ^h 50'50"	15 ^h 49'49"	23 ^h 58'58"	9 ^h 45'45"	16 ^h 23'23"	0 ^h 9'9"	4 ^h 31'31"	29 ^h 7'7"	4 ^h 3'3"	3 ^h 27'27"	6 ^h 32'32"	3 ^h 48'48"	M 13
T 14	23 34 1	21 ^h 44'14"	7 ^h 11'11"	15 ^h 7'7"	17 ^h 4'4"	24 ^h 36'36"	9 ^h 42'42"	16 ^h 30'30"	0 ^h 6'6"	4 ^h 33'33"	29 ^h 6'6"	3 ^h 54'54"	3 ^h 24'24"	6 ^h 38'38"	3 ^h 56'56"	T 14
W 15	23 37 58	22 ^h 42'39"	20 ^h 10'10"	15 ^h 17'17"	18 ^h 19'19"	25 ^h 14'14"	9 ^h 39'39"	16 ^h 36'36"	0 ^h 4'4"	4 ^h 35'35"	29 ^h 5'5"	3 ^h 47'47"	3 ^h 21'21"	6 ^h 45'45"	4 ^h 4'4"	W 15
T 16	23 41 54	23 ^h 41'06"	2 ^h 49'49"	15 ^h 22'22"	19 ^h 33'33"	25 ^h 52'52"	9 ^h 36'36"	16 ^h 43'43"	0 ^h 2'2"	4 ^h 37'37"	29 ^h 4'4"	3 ^h 44'44"	3 ^h 17'17"	6 ^h 52'52"	4 ^h 12'12"	T 16
F 17	23 45 51	24 ^h 39'35"	15 ^h 44'44"	15 ^h 21'21"	20 ^h 48'48"	26 ^h 29'29"	9 ^h 32'32"	16 ^h 50'50"	29 ^h 59'59"	4 ^h 39'39"	29 ^h 3'3"	3 ^h 42'42"	3 ^h 14'14"	6 ^h 58'58"	4 ^h 20'20"	F 17
S 18	23 49 48	25 ^h 38'06"	29 ^h 0'0"	15 ^h 13'13"	22 ^h 3'3"	27 ^h 7'7"	9 ^h 28'28"	16 ^h 56'56"	29 ^h 57'57"	4 ^h 42'42"	29 ^h 2'2"	3 ^h 42'42"	3 ^h 11'11"	7 ^h 5'5"	4 ^h 27'27"	S 18
S 19	23 53 44	26 ^h 36'38"	12 ^h 39'39"	14 ^h 58'58"	23 ^h 17'17"	27 ^h 45'45"	9 ^h 24'24"	17 ^h 3'3"	29 ^h 54'54"	4 ^h 44'44"	29 ^h 1'1"	3 ^h 42'42"	3 ^h 8'8"	7 ^h 12'12"	4 ^h 35'35"	S 19
M 20	23 57 41	27 ^h 35'11"	26 ^h 42'42"	14 ^h 36'36"	24 ^h 32'32"	28 ^h 23'23"	9 ^h 20'20"	17 ^h 10'10"	29 ^h 52'52"	4 ^h 46'46"	29 ^h 0'0"	3 ^h 41'41"	3 ^h 5'5"	7 ^h 19'19"	4 ^h 43'43"	M 20
T 21	0 1 37	28 ^h 33'47"	11 ^h 32'32"	14 ^h 7'7"	25 ^h 47'47"	29 ^h 0'0"	9 ^h 16'16"	17 ^h 16'16"	29 ^h 50'50"	4 ^h 48'48"	28 ^h 59'59"	3 ^h 37'37"	3 ^h 2'2"	7 ^h 25'25"	4 ^h 51'51"	T 21
W 22	0 5 34	29 ^h 32'24"	26 ^h 3'3"	13 ^h 32'32"	27 ^h 1'1"	29 ^h 38'38"	9 ^h 11'11"	17 ^h 22'22"	29 ^h 47'47"	4 ^h 50'50"	28 ^h 59'59"	3 ^h 31'31"	2 ^h 58'58"	7 ^h 32'32"	4 ^h 58'58"	W 22
T 23	0 9 30	0 ^h 31'02"	11 ^h 31'02"	12 ^h 49'49"	28 ^h 16'16"	0 ^h 16'16"	9 ^h 7'7"	17 ^h 29'29"	29 ^h 45'45"	4 ^h 52'52"	28 ^h 58'58"	3 ^h 22'22"	2 ^h 55'55"	7 ^h 39'39"	5 ^h 6'6"	T 23
F 24	0 13 27	1 ^h 29'42"	26 ^h 24'24"	12 ^h 0'0"	29 ^h 31'31"	0 ^h 53'53"	9 ^h 2'2"	17 ^h 35'35"	29 ^h 42'42"	4 ^h 54'54"	28 ^h 57'57"	3 ^h 11'11"	2 ^h 52'52"	7 ^h 45'45"	5 ^h 14'14"	F 24
S 25	0 17 23	2 ^h 28'25"	11 ^h 34'34"	11 ^h 5'5"	0 ^h 45'45"	1 ^h 31'31"	8 ^h 57'57"	17 ^h 41'41"	29 ^h 40'40"	4 ^h 56'56"	28 ^h 56'56"	3 ^h 0'0"	2 ^h 49'49"	7 ^h 52'52"	5 ^h 21'21"	S 25
S 26	0 21 20	3 ^h 27'09"	26 ^h 29'29"	10 ^h 6'6"	2 ^h 0'0"	2 ^h 9'9"	8 ^h 52'52"	17 ^h 48'48"	29 ^h 38'38"	4 ^h 58'58"	28 ^h 55'55"	2 ^h 50'50"	2 ^h 46'46"	7 ^h 59'59"	5 ^h 29'29"	S 26
M 27	0 25 17	4 ^h 25'56"	11 ^h 31'31"	9 ^h 2'2"	3 ^h 15'15"	2 ^h 46'46"	8 ^h 46'46"	17 ^h 54'54"	29 ^h 35'35"	5 ^h 0'0"	28 ^h 54'54"	2 ^h 41'41"	2 ^h 43'43"	8 ^h 6'6"	5 ^h 37'37"	M 27
T 28	0 29 13	5 ^h 24'44"	25 ^h 5'5"	7 ^h 56'56"	4 ^h 30'30"	3 ^h 24'24"	8 ^h 41'41"	18 ^h 0'0"	29 ^h 33'33"	5 ^h 2'2"	28 ^h 53'53"	2 ^h 34'34"	2 ^h 39'39"	8 ^h 12'12"	5 ^h 44'44"	T 28
W 29	0 33 10	6 ^h 23'35"	8 ^h 11'31"	6 ^h 49'49"	5 ^h 45'45"	4 ^h 1'1"	8 ^h 35'35"	18 ^h 6'6"	29 ^h 30'30"	5 ^h 4'4"	28 ^h 51'51"	2 ^h 31'31"	2 ^h 36'36"	8 ^h 19'19"	5 ^h 52'52"	W 29
T 30	0 37 6	7 ^h 22'29"	21 ^h 11'11"	5 ^h 43'43"	6 ^h 59'59"	4 ^h 39'39"	8 ^h 29'29"	18 ^h 12'12"	29 ^h 28'28"	5 ^h 6'6"	28 ^h 50'50"	2 ^h 29'29"	2 ^h 33'33"	8 ^h 26'26"	5 ^h 59'59"	T 30

Delta T = 90.77 sec

OCTOBER 2094

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	0 41 3	8♌21'24	4♉24	4♌R39	8♌14	5♌16	8♌R23	18♌18	29♌R26	5♌8	28♌R49	2♌R29	2♌30	8♌32	6♌6	F 1
S 2	0 44 59	9♌20'22	16♌45	3♌39	9♌29	5♌54	8♌17	18♌23	29♌K23	5♌10	28♌V48	2♌29	2♌27	8♌39	6♌14	S 2
S 3	0 48 56	10♌19'22	28♌50	2♌45	10♌44	6♌31	8♌11	18♌29	29♌21	5♌12	28♌47	2♌28	2♌23	8♌46	6♌21	S 3
M 4	0 52 52	11♌18'25	10♌45	1♌58	11♌59	7♌8	8♌5	18♌35	29♌19	5♌14	28♌46	2♌25	2♌20	8♌52	6♌28	M 4
T 5	0 56 49	12♌17'29	22♌36	1♌20	13♌14	7♌46	7♌58	18♌41	29♌16	5♌15	28♌45	2♌19	2♌17	8♌59	6♌36	T 5
W 6	1 0 46	13♌16'36	4♌26	0♌52	14♌29	8♌23	7♌51	18♌46	29♌14	5♌17	28♌44	2♌10	2♌14	9♌6	6♌43	W 6
T 7	1 4 42	14♌15'45	16♌18	0♌33	15♌44	9♌0	7♌45	18♌52	29♌12	5♌19	28♌43	1♌59	2♌11	9♌13	6♌50	T 7
F 8	1 8 39	15♌14'56	28♌15	0♌D25	16♌59	9♌38	7♌38	18♌57	29♌9	5♌21	28♌42	1♌46	2♌8	9♌19	6♌57	F 8
S 9	1 12 35	16♌14'09	10♌18	0♌28	18♌13	10♌15	7♌31	19♌2	29♌7	5♌23	28♌41	1♌32	2♌4	9♌26	7♌4	S 9
S 10	1 16 32	17♌13'25	22♌29	0♌42	19♌28	10♌52	7♌24	19♌8	29♌5	5♌24	28♌40	1♌19	2♌1	9♌33	7♌11	S 10
M11	1 20 28	18♌12'42	4♌48	1♌5	20♌43	11♌29	7♌16	19♌13	29♌3	5♌26	28♌38	1♌7	1♌58	9♌39	7♌18	M11
T 12	1 24 25	19♌12'01	17♌17	1♌39	21♌58	12♌7	7♌9	19♌18	29♌0	5♌28	28♌37	0♌57	1♌55	9♌46	7♌25	T 12
W13	1 28 21	20♌11'23	29♌55	2♌21	23♌13	12♌44	7♌1	19♌23	28♌58	5♌30	28♌36	0♌51	1♌52	9♌53	7♌32	W13
T 14	1 32 18	21♌10'46	12♌A45	3♌12	24♌28	13♌21	6♌54	19♌28	28♌56	5♌31	28♌35	0♌47	1♌48	10♌0	7♌39	T 14
F 15	1 36 14	22♌10'11	25♌47	4♌10	25♌43	13♌58	6♌46	19♌33	28♌54	5♌33	28♌34	0♌D45	1♌45	10♌6	7♌45	F 15
S 16	1 40 11	23♌9'38	9♌C5	5♌15	26♌58	14♌35	6♌39	19♌38	28♌52	5♌35	28♌33	0♌46	1♌42	10♌13	7♌52	S 16
S 17	1 44 8	24♌9'06	22♌41	6♌27	28♌13	15♌12	6♌31	19♌42	28♌50	5♌36	28♌32	0♌R46	1♌39	10♌20	7♌59	S 17
M18	1 48 4	25♌8'37	6♌A35	7♌43	29♌28	15♌49	6♌23	19♌47	28♌47	5♌38	28♌31	0♌45	1♌36	10♌26	8♌5	M18
T 19	1 52 1	26♌8'09	20♌49	9♌4	0♌M43	16♌26	6♌15	19♌52	28♌45	5♌39	28♌29	0♌43	1♌33	10♌33	8♌12	T 19
W20	1 55 57	27♌7'42	5♌K21	10♌29	1♌58	17♌3	6♌7	19♌56	28♌43	5♌41	28♌28	0♌38	1♌29	10♌40	8♌18	W20
T 21	1 59 54	28♌7'18	20♌7	11♌57	3♌13	17♌40	5♌59	20♌0	28♌41	5♌42	28♌27	0♌31	1♌26	10♌47	8♌25	T 21
F 22	2 3 50	29♌6'55	5♌V1	13♌28	4♌29	18♌17	5♌51	20♌5	28♌39	5♌44	28♌26	0♌22	1♌23	10♌53	8♌31	F 22
S 23	2 7 47	0♌M6'34	19♌54	15♌1	5♌44	18♌54	5♌43	20♌9	28♌37	5♌45	28♌25	0♌13	1♌20	11♌0	8♌37	S 23
S 24	2 11 43	1♌6'15	4♌B37	16♌36	6♌59	19♌31	5♌35	20♌13	28♌36	5♌47	28♌24	0♌53	1♌17	11♌7	8♌43	S 24
M25	2 15 40	2♌5'58	19♌2	18♌12	8♌14	20♌7	5♌27	20♌17	28♌34	5♌48	28♌23	29♌H56	1♌14	11♌13	8♌50	M25
T 26	2 19 37	3♌5'43	3♌H4	19♌50	9♌29	20♌44	5♌19	20♌21	28♌32	5♌50	28♌21	29♌50	1♌10	11♌20	8♌56	T 26
W27	2 23 33	4♌5'30	16♌40	21♌28	10♌44	21♌21	5♌11	20♌25	28♌30	5♌51	28♌20	29♌47	1♌7	11♌27	9♌2	W27
T 28	2 27 30	5♌5'19	29♌48	23♌7	11♌59	21♌58	5♌3	20♌29	28♌28	5♌52	28♌19	29♌D47	1♌4	11♌34	9♌8	T 28
F 29	2 31 26	6♌5'11	12♌333	24♌47	13♌14	22♌34	4♌55	20♌32	28♌26	5♌54	28♌18	29♌47	1♌1	11♌40	9♌13	F 29
S 30	2 35 23	7♌5'05	24♌57	26♌27	14♌29	23♌11	4♌46	20♌36	28♌25	5♌55	28♌17	29♌48	0♌58	11♌47	9♌19	S 30
S 31	2 39 19	8♌M5'01	7♌Q5	28♌A7	15♌M44	23♌M48	4♌B38	20♌Q39	28♌K23	5♌M56	28♌V16	29♌R49	0♌554	11♌M54	9♌M25	S 31

ASTRODIENST EPHEMERIS for the year 2094

geocentric

NOVEMBER 2094

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	2 43 16	9♉ 4'59	19♏ 2	29♊ 47	16♉ 59	24♏ 24	4°R30	20♏ 43	28°R21	5♏ 57	28°R15	29°R48	0♏ 51	12♏ 0	9♏ 31	M 1
T 2	2 47 12	10° 4'59	0♏ 54	1♉ 26	18°14	25° 1	4♏ 22	20°46	28°R20	5°59	28°R14	29°R46	0°48	12° 7	9°36	T 2
W 3	2 51 9	11° 5'01	12°45	3° 6	19°29	25°38	4°14	20°49	28°18	6° 0	28°12	29°41	0°45	12°14	9°42	W 3
T 4	2 55 6	12° 5'06	24°39	4°46	20°44	26°14	4° 6	20°52	28°17	6° 1	28°11	29°35	0°42	12°21	9°47	T 4
F 5	2 59 2	13° 5'12	6♊ 41	6°25	22° 0	26°51	3°58	20°55	28°15	6° 2	28°10	29°26	0°39	12°27	9°52	F 5
S 6	3 2 59	14° 5'20	18°52	8° 4	23°15	27°27	3°50	20°58	28°14	6° 3	28° 9	29°18	0°35	12°34	9°57	S 6
S 7	3 6 55	15° 5'31	1♉ 14	9°43	24°30	28° 3	3°42	21° 1	28°12	6° 4	28° 8	29° 9	0°32	12°41	10° 3	S 7
M 8	3 10 52	16° 5'43	13°48	11°21	25°45	28°40	3°35	21° 4	28°11	6° 5	28° 7	29° 1	0°29	12°47	10° 8	M 8
T 9	3 14 48	17° 5'57	26°34	12°59	27° 0	29°16	3°27	21° 6	28° 9	6° 6	28° 6	28°55	0°26	12°54	10°13	T 9
W10	3 18 45	18° 6'13	9♊ 32	14°37	28°15	29°52	3°19	21° 9	28° 8	6° 7	28° 5	28°52	0°23	13° 1	10°18	W10
T 11	3 22 41	19° 6'31	22°42	16°14	29°30	0♊ 29	3°12	21°11	28° 7	6° 8	28° 4	28°D50	0°20	13° 8	10°22	T 11
F 12	3 26 38	20° 6'50	6♋ 4	17°51	0♊ 45	1° 5	3° 4	21°14	28° 6	6° 9	28° 3	28°50	0°16	13°14	10°27	F 12
S 13	3 30 35	21° 7'10	19°37	19°28	2° 1	1°41	2°57	21°16	28° 4	6°10	28° 2	28°51	0°13	13°21	10°32	S 13
S 14	3 34 31	22° 7'32	3♊ 21	21° 4	3°16	2°17	2°50	21°18	28° 3	6°11	28° 1	28°53	0°10	13°28	10°36	S 14
M15	3 38 28	23° 7'56	17°17	22°40	4°31	2°54	2°42	21°20	28° 2	6°11	28° 0	28°R54	0° 7	13°35	10°41	M15
T 16	3 42 24	24° 8'20	1♋ 23	24°16	5°46	3°30	2°35	21°22	28° 1	6°12	27°59	28°54	0° 4	13°41	10°45	T 16
W17	3 46 21	25° 8'46	15°39	25°51	7° 1	4° 6	2°28	21°23	28° 0	6°13	27°58	28°52	0° 0	13°48	10°49	W17
T 18	3 50 17	26° 9'13	0♌ 2	27°27	8°16	4°42	2°22	21°25	27°59	6°14	27°57	28°49	29°II 57	13°55	10°54	T 18
F 19	3 54 14	27° 9'42	14°28	29° 1	9°31	5°18	2°15	21°26	27°58	6°14	27°56	28°45	29°54	14° 1	10°58	F 19
S 20	3 58 10	28°10'12	28°53	0♌ 36	10°46	5°54	2° 8	21°28	27°58	6°15	27°55	28°40	29°51	14° 8	11° 2	S 20
S 21	4 2 7	29°10'43	13♌ 10	2°10	12° 2	6°30	2° 2	21°29	27°57	6°16	27°54	28°35	29°48	14°15	11° 5	S 21
M22	4 6 4	0♌ 11'15	27°14	3°45	13°17	7° 5	1°56	21°30	27°56	6°16	27°53	28°31	29°45	14°22	11° 9	M22
T 23	4 10 0	1°11'50	11♌ 1	5°19	14°32	7°41	1°50	21°31	27°55	6°17	27°52	28°29	29°41	14°28	11°13	T 23
W24	4 13 57	2°12'25	24°28	6°53	15°47	8°17	1°44	21°32	27°55	6°17	27°51	28°D28	29°38	14°35	11°17	W24
T 25	4 17 53	3°13'03	7♌ 34	8°26	17° 2	8°53	1°38	21°33	27°54	6°18	27°50	28°28	29°35	14°42	11°20	T 25
F 26	4 21 50	4°13'41	20°18	10° 0	18°17	9°28	1°32	21°34	27°53	6°18	27°49	28°29	29°32	14°48	11°23	F 26
S 27	4 25 46	5°14'22	2♌ 44	11°33	19°32	10° 4	1°27	21°35	27°53	6°18	27°48	28°31	29°29	14°55	11°27	S 27
S 28	4 29 43	6°15'04	14°55	13° 6	20°47	10°40	1°21	21°35	27°52	6°19	27°47	28°33	29°26	15° 2	11°30	S 28
M29	4 33 39	7°15'47	26°55	14°40	22° 2	11°15	1°16	21°36	27°52	6°19	27°47	28°34	29°22	15° 9	11°33	M29
T 30	4 37 36	8°16'32	8♌ 48	16°13	23°18	11°51	1°11	21°36	27°52	6°19	27°46	28°R34	29°II 19	15°15	11°36	T 30

Delta T = 90.85 sec

DECEMBER 2094

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	4 41 33	9♌ 17'18	20♏ 40	17°46	24°33	12°26	1°R 6	21°36	27°R51	6♏ 20	27°R45	28°R34	29°II 16	15°22	11°39	W 1
T 2	4 45 29	10°18'06	2♊ 36	19°18	25°48	13° 2	1♌ 1	21°R36	27°R51	6°20	27°R44	28°II 32	29°13	15°29	11°42	T 2
F 3	4 49 26	11°18'56	14°39	20°51	27° 3	13°37	0°57	21°36	27°51	6°20	27°43	28°30	29°10	15°35	11°44	F 3
S 4	4 53 22	12°19'46	26°54	22°24	28°18	14°13	0°53	21°36	27°51	6°20	27°43	28°28	29° 6	15°42	11°47	S 4
S 5	4 57 19	13°20'39	9♉ 23	23°56	29°33	14°48	0°48	21°36	27°51	6°20	27°42	28°25	29° 3	15°49	11°49	S 5
M 6	5 1 15	14°21'32	22° 9	25°29	0♋ 48	15°23	0°44	21°35	27°51	6°21	27°41	28°23	29° 0	15°56	11°51	M 6
T 7	5 5 12	15°22'27	5♊ 12	27° 1	2° 3	15°58	0°41	21°35	27°D51	6°21	27°40	28°22	28°57	16° 2	11°54	T 7
W 8	5 9 8	16°23'22	18°32	28°34	3°18	16°33	0°37	21°34	27°51	6°R21	27°40	28°21	28°54	16° 9	11°56	W 8
T 9	5 13 5	17°24'19	2♋ 8	0♋ 6	4°34	17° 9	0°34	21°33	27°51	6°21	27°39	28°D21	28°51	16°16	11°58	T 9
F 10	5 17 2	18°25'17	15°56	1°37	5°49	17°44	0°31	21°33	27°51	6°21	27°38	28°21	28°47	16°22	12° 0	F 10
S 11	5 20 58	19°26'15	29°56	3° 9	7° 4	18°19	0°28	21°32	27°51	6°20	27°38	28°22	28°44	16°29	12° 1	S 11
S 12	5 24 55	20°27'15	14♋ 2	4°40	8°19	18°54	0°25	21°31	27°51	6°20	27°37	28°23	28°41	16°36	12° 3	S 12
M13	5 28 51	21°28'14	28°13	6°12	9°34	19°28	0°22	21°29	27°52	6°20	27°36	28°23	28°38	16°43	12° 5	M13
T 14	5 32 48	22°29'14	12♋ 26	7°42	10°49	20° 3	0°20	21°28	27°52	6°20	27°36	28°24	28°35	16°49	12° 6	T 14
W15	5 36 44	23°30'15	26°37	9°12	12° 4	20°38	0°18	21°27	27°52	6°20	27°35	28°R24	28°32	16°56	12° 7	W15
T 16	5 40 41	24°31'16	10♌ 46	10°42	13°19	21°13	0°16	21°25	27°53	6°20	27°35	28°23	28°28	17° 3	12° 9	T 16
F 17	5 44 38	25°32'18	24°50	12°10	14°34	21°47	0°14	21°24	27°53	6°19	27°34	28°23	28°25	17°10	12°10	F 17
S 18	5 48 34	26°33'20	8♊ 46	13°38	15°49	22°22	0°13	21°22	27°54	6°19	27°34	28°23	28°22	17°16	12°11	S 18
S 19	5 52 31	27°34'22	22°33	15° 5	17° 4	22°56	0°11	21°20	27°54	6°19	27°33	28°23	28°19	17°23	12°11	S 19
M20	5 56 27	28°35'25	6♌ 9	16°31	18°19	23°31	0°10	21°18	27°55	6°18	27°33	28°D23	28°16	17°30	12°12	M20
T 21	6 0 24	29°36'28	19°31	17°55	19°34	24° 5	0° 9	21°16	27°56	6°18	27°32	28°23	28°12	17°36	12°13	T 21
W22	6 4 20	0♋ 37'32	2♋ 39	19°17	20°49	24°40	0° 9	21°14	27°57	6°17	27°32	28°R23	28° 9	17°43	12°13	W22
T 23	6 8 17	1°38'37	15°31	20°37	22° 4	25°14	0° 8	21°12	27°57	6°17	27°31	28°23	28° 6	17°50	12°14	T 23
F 24	6 12 13	2°39'42	28° 8	21°55	23°19	25°48	0° 8	21°10	27°58	6°16	27°31	28°22	28° 3	17°57	12°14	F 24
S 25	6 16 10	3°40'48	10♏ 31	23° 9	24°34	26°22	0°D 8	21° 7	27°59	6°16	27°31	28°22	28° 0	18° 3	12°14	S 25
S 26	6 20 7	4°41'54	22°41	24°21	25°49	26°56	0° 8	21° 5	28° 0	6°15	27°30	28°21	27°57	18°10	12°R14	S 26
M27	6 24 3	5°43'00	4♏ 42	25°28	27° 4	27°30	0° 8	21° 2	28° 1	6°15	27°30	28°20	27°53	18°17	12°14	M27
T 28	6 28 0	6°44'07	16°36	26°31	28°19	28° 4	0° 9	20°59	28° 2	6°14	27°30	28°19	27°50	18°23	12°14	T 28
W29	6 31 56	7°45'15	28°28	27°28	29°34	28°38	0°10	20°56	28° 3	6°13	27°29	28°19	27°47	18°30	12°14	W29
T 30	6 35 53	8°46'23	10♊ 22	28°19	0♋ 49	29°12	0°11	20°54	28° 5	6°13	27°29	28°D18	27°44	18°37	12°13	T 30
F 31	6 39 49	9♋ 47'32	22°24	29°3	2° 4	29°46	0°12	20°51	28°R 6	6°12	27°R29	28°II 19	27°II 41	18°44	12°13	F 31

Delta T = 90.88 sec