



# Astrodienst Ephemeris Tables for the year 1992

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 1992  
geocentric

JANUARY 1992

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	6 39 39	9°34'39	26°11' 9	18°3' 3	0°26' 26	23°47' 47	14°R38	5°51' 51	13°34' 41	16°13' 13	22°11' 5	9°D52	9°34' 48	27°34' 43	8°R19	W 1
T 2	6 43 35	10°49'49	8°23' 23	19°16' 1	1°39' 39	24°32' 32	14°17' 37	5°58' 58	13°44' 44	16°15' 15	22° 7' 7	9°35' 52	9°45' 45	27°49' 49	8°16' 16	T 2
F 3	6 47 32	11°51'00	20°27' 27	20°31' 31	2°51' 51	25°16' 16	14°37' 37	6° 5' 5	13°48' 48	16°18' 18	22° 9' 9	9°52' 52	9°42' 42	27°56' 56	8°12' 12	F 3
S 4	6 51 28	12°52'11	2°32' 24	21°47' 47	4° 3' 3	26° 0' 0	14°36' 36	6°12' 12	13°52' 52	16°20' 20	22°11' 11	9°52' 52	9°39' 39	28° 3' 3	8° 8' 8	S 4
S 5	6 55 25	13°53'22	14°16' 16	23° 5' 5	5°16' 16	26°44' 44	14°35' 35	6°18' 18	13°55' 55	16°22' 22	22°12' 12	9°R52	9°36' 36	28° 9' 9	8° 5' 5	S 5
M 6	6 59 21	14°54'32	26° 5' 5	24°25' 25	6°29' 29	27°29' 29	14°34' 34	6°25' 25	13°59' 59	16°24' 24	22°14' 14	9°52' 52	9°33' 33	28°16' 16	8° 1' 1	M 6
T 7	7 3 18	15°55'43	7°52' 52	25°46' 46	7°41' 41	28°13' 13	14°33' 33	6°32' 32	14° 2' 2	16°27' 27	22°16' 16	9°51' 51	9°29' 29	28°23' 23	7°57' 57	T 7
W 8	7 7 14	16°56'53	19°41' 41	27° 7' 7	8°54' 54	28°57' 57	14°31' 31	6°39' 39	14° 6' 6	16°29' 29	22°17' 17	9°50' 50	9°26' 26	28°29' 29	7°53' 53	W 8
T 9	7 11 11	17°58'03	1°33' 33	28°30' 30	10° 7' 7	29°42' 42	14°30' 30	6°46' 46	14°10' 10	16°31' 31	22°19' 19	9°49' 49	9°23' 23	28°36' 36	7°49' 49	T 9
F 10	7 15 8	18°59'13	13°33' 33	29°54' 54	11°20' 20	0°26' 26	14°28' 28	6°53' 53	14°13' 13	16°33' 33	22°21' 21	9°48' 48	9°20' 20	28°43' 43	7°45' 45	F 10
S 11	7 19 4	20° 0'22	25°42' 42	1°38' 18	12°33' 33	1°11' 11	14°26' 26	7° 0' 0	14°17' 17	16°36' 36	22°22' 22	9°47' 47	9°17' 17	28°49' 49	7°41' 41	S 11
S 12	7 23 1	21° 1'31	8°11' 6	2°44' 44	13°46' 46	1°55' 55	14°23' 23	7° 7' 7	14°20' 20	16°38' 38	22°24' 24	9°46' 46	9°13' 13	28°56' 56	7°37' 37	S 12
M13	7 26 57	22° 2'39	20°48' 48	4°10' 10	14°59' 59	2°40' 40	14°21' 21	7°14' 14	14°24' 24	16°40' 40	22°25' 25	9°D46	9°10' 10	29° 3' 3	7°33' 33	M13
T 14	7 30 54	23° 3'46	3°51' 51	5°37' 37	16°12' 12	3°25' 25	14°18' 18	7°21' 21	14°27' 27	16°43' 43	22°27' 27	9°46' 46	9° 7' 7	29° 9' 9	7°28' 28	T 14
W15	7 34 50	24° 4'53	17°19' 19	7° 4' 4	17°25' 25	4° 9' 9	14°16' 16	7°28' 28	14°31' 31	16°45' 45	22°28' 28	9°47' 47	9° 4' 4	29°16' 16	7°24' 24	W15
T 16	7 38 47	25° 5'59	1°11' 11	8°33' 33	18°38' 38	4°54' 54	14°13' 13	7°35' 35	14°34' 34	16°47' 47	22°29' 29	9°48' 48	9° 1' 1	29°23' 23	7°20' 20	T 16
F 17	7 42 43	26° 7'05	15°35' 35	10° 1' 1	19°51' 51	5°39' 39	14° 9' 9	7°42' 42	14°38' 38	16°49' 49	22°31' 31	9°49' 49	8°58' 58	29°29' 29	7°16' 16	F 17
S 18	7 46 40	27° 8'10	0°21' 21	11°31' 31	21° 4' 4	6°24' 24	14° 6' 6	7°49' 49	14°41' 41	16°52' 52	22°32' 32	9°50' 50	8°54' 54	29°36' 36	7°11' 11	S 18
S 19	7 50 37	28° 9'14	15°26' 26	13° 1' 1	22°17' 17	7° 9' 9	14° 3' 3	7°56' 56	14°45' 45	16°54' 54	22°33' 33	9°R50	8°51' 51	29°43' 43	7° 7' 7	S 19
M20	7 54 33	29°10'18	0°40' 40	14°32' 32	23°31' 31	7°54' 54	13°59' 59	8° 3' 3	14°49' 49	16°56' 56	22°35' 35	9°49' 49	8°48' 48	29°49' 49	7° 3' 3	M20
T 21	7 58 30	0°11'20	15°56' 56	16° 3' 3	24°44' 44	8°38' 38	13°55' 55	8°10' 10	14°52' 52	16°58' 58	22°36' 36	9°47' 47	8°45' 45	29°56' 56	6°58' 58	T 21
W22	8 2 26	1°12'23	1°11' 11	17°35' 35	25°57' 57	9°23' 23	13°51' 51	8°18' 18	14°55' 55	17° 0' 0	22°37' 37	9°44' 44	8°42' 42	0° 3' 3	6°54' 54	W22
T 23	8 6 23	2°13'24	15°48' 48	19° 7' 7	27°11' 11	10° 8' 8	13°47' 47	8°25' 25	14°59' 59	17° 3' 3	22°38' 38	9°41' 41	8°39' 39	0° 9' 9	6°49' 49	T 23
F 24	8 10 19	3°14'25	0°41' 41	20°40' 40	28°24' 24	10°53' 53	13°42' 42	8°32' 32	15° 2' 2	17° 5' 5	22°39' 39	9°38' 38	8°35' 35	0°16' 16	6°45' 45	F 24
S 25	8 14 16	4°15'26	1°4 5	22°14' 14	29°38' 38	11°39' 39	13°38' 38	8°39' 39	15° 6' 6	17° 7' 7	22°40' 40	9°36' 36	8°32' 32	0°23' 23	6°40' 40	S 25
S 26	8 18 12	5°16'26	27°31' 31	23°48' 48	0°51' 51	12°24' 24	13°33' 33	8°46' 46	15° 9' 9	17° 9' 9	22°41' 41	9°35' 35	8°29' 29	0°29' 29	6°36' 36	S 26
M27	8 22 9	6°17'26	10°11' 31	25°23' 23	2° 5' 5	13° 9' 9	13°28' 28	8°53' 53	15°13' 13	17°11' 11	22°43' 43	9°D34	8°26' 26	0°36' 36	6°31' 31	M27
T 28	8 26 6	7°18'25	23° 8' 8	26°58' 58	3°19' 19	13°54' 54	13°23' 23	9° 0' 0	15°16' 16	17°14' 14	22°44' 44	9°35' 35	8°23' 23	0°42' 42	6°27' 27	T 28
W29	8 30 2	8°19'24	5°27' 27	28°34' 34	4°32' 32	14°39' 39	13°18' 18	9° 8' 8	15°19' 19	17°16' 16	22°44' 44	9°37' 37	8°19' 19	0°49' 49	6°23' 23	W29
T 30	8 33 59	9°20'22	17°31' 31	0°11' 11	5°46' 46	15°25' 25	13°12' 12	9°15' 15	15°23' 23	17°18' 18	22°45' 45	9°39' 39	8°16' 16	0°56' 56	6°18' 18	T 30
F 31	8 37 55	10°21'19	29°27' 27	1°44' 44	6°59' 59	16°30' 30	13°11' 11	9°22' 22	15°26' 26	17°20' 20	22°46' 46	9°34' 34	8°13' 13	1° 2' 2	6°14' 14	F 31

Delta T = 58.31 sec

FEBRUARY 1992

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	8 41 52	11≈22'16	11☾16	3≈27	8☾13	16☾55	13°R 1	9≈29	15☾29	17☾22	22♐47	9°R41	8☾10	1≈ 9	6°R 9	S 1
S 2	8 45 48	12°23'11	23° 3	5° 5	9°27	17°41	12♐55	9°36	15°33	17°24	22°48	9☾40	8° 7	1°16	6♏ 5	S 2
M 3	8 49 45	13°24'06	4≈51	6°45	10°41	18°26	12°49	9°44	15°36	17°26	22°49	9°37	8° 4	1°22	6° 0	M 3
T 4	8 53 42	14°24'59	16°41	8°25	11°54	19°12	12°43	9°51	15°39	17°29	22°50	9°32	8° 0	1°29	5°56	T 4
W 5	8 57 38	15°25'51	28°35	10° 6	13° 8	19°57	12°37	9°58	15°43	17°31	22°50	9°26	7°57	1°36	5°51	W 5
T 6	9 1 35	16°26'42	10♐35	11°48	14°22	20°43	12°31	10° 5	15°46	17°33	22°51	9°19	7°54	1°42	5°47	T 6
F 7	9 5 31	17°27'32	22°43	13°30	15°36	21°28	12°24	10°12	15°49	17°35	22°52	9°12	7°51	1°49	5°43	F 7
S 8	9 9 28	18°28'21	5♏ 1	15°14	16°50	22°14	12°18	10°19	15°52	17°37	22°52	9° 5	7°48	1°56	5°38	S 8
S 9	9 13 24	19°29'07	17°30	16°58	18° 3	22°59	12°11	10°26	15°55	17°39	22°53	8°59	7°45	2° 2	5°34	S 9
M10	9 17 21	20°29'53	0♏13	18°43	19°17	23°45	12° 4	10°34	15°58	17°41	22°53	8°55	7°41	2° 9	5°30	M10
T 11	9 21 17	21°30'37	13°13	20°28	20°31	24°31	11°57	10°41	16° 1	17°43	22°54	8°53	7°38	2°16	5°26	T 11
W12	9 25 14	22°31'19	26°32	22°15	21°45	25°16	11°50	10°48	16° 5	17°45	22°54	8°D53	7°35	2°22	5°21	W12
T 13	9 29 10	23°32'00	10♐14	24° 2	22°59	26° 2	11°43	10°55	16° 8	17°47	22°55	8°54	7°32	2°29	5°17	T 13
F 14	9 33 7	24°32'39	24°19	25°50	24°13	26°48	11°36	11° 2	16°11	17°49	22°55	8°55	7°29	2°36	5°13	F 14
S 15	9 37 4	25°33'16	8♏47	27°38	25°27	27°34	11°29	11° 9	16°14	17°50	22°56	8°R56	7°25	2°42	5° 9	S 15
S 16	9 41 0	26°33'52	23°35	29°28	26°41	28°19	11°21	11°16	16°17	17°52	22°56	8°55	7°22	2°49	5° 5	S 16
M17	9 44 57	27°34'26	8♏39	1♐18	27°55	29° 5	11°14	11°23	16°19	17°54	22°56	8°52	7°19	2°56	5° 1	M17
T 18	9 48 53	28°34'59	23°49	3° 8	29° 9	29°51	11° 6	11°30	16°22	17°56	22°57	8°47	7°16	3° 2	4°57	T 18
W19	9 52 50	29°35'29	8♐57	5° 0	0≈23	0≈37	10°59	11°37	16°25	17°58	22°57	8°39	7°13	3° 9	4°53	W19
T 20	9 56 46	0♐35'58	23°51	6°51	1°37	1°23	10°51	11°44	16°28	18° 0	22°57	8°31	7°10	3°16	4°49	T 20
F 21	10 0 43	1°36'26	8♏23	8°43	2°51	2° 9	10°44	11°51	16°31	18° 1	22°57	8°23	7° 6	3°22	4°46	F 21
S 22	10 4 39	2°36'53	22°28	10°35	4° 5	2°55	10°36	11°58	16°34	18° 3	22°57	8°15	7° 3	3°29	4°42	S 22
S 23	10 8 36	3°37'18	6♐ 4	12°28	5°19	3°41	10°28	12° 5	16°36	18° 5	22°57	8°10	7° 0	3°36	4°38	S 23
M24	10 12 33	4°37'41	19°11	14°20	6°33	4°27	10°20	12°11	16°39	18° 7	22°57	8° 6	6°57	3°42	4°35	M24
T 25	10 16 29	5°38'04	1♐52	16°11	7°47	5°13	10°12	12°18	16°42	18° 8	22°R57	8°D 5	6°54	3°49	4°31	T 25
W26	10 20 26	6°38'25	14°11	18° 2	9° 1	5°59	10° 5	12°25	16°44	18°10	22°57	8° 5	6°50	3°56	4°28	W26
T 27	10 24 22	7°38'45	26°15	19°52	10°15	6°45	9°57	12°32	16°47	18°12	22°57	8° 6	6°47	4° 2	4°24	T 27
F 28	10 28 19	8°39'03	8☾ 8	21°41	11°29	7°31	9°49	12°38	16°49	18°13	22°57	8°R 6	6°44	4° 9	4°21	F 28
S 29	10 32 15	9♐39'19	19☾55	23♐28	12≈43	8≈17	9♐41	12≈45	16☾52	18☾15	22♐57	8☾ 5	6☾41	4≈16	4♏17	S 29

# ASTRODIENST EPHEMERIS for the year 1992

## geocentric

MARCH 1992

00:00 UT

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

Delta T = 58.44 sec

APRIL 1992

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	12 38 25	11°31'04"	16°0'	1°R47	22°13	3°H 2	5°R58	15°≈55	17°☾50	18°☾51	22°R36	4°R44	4°☾59	7°≈49	3°R18	W 1
T 2	12 42 22	12°30'16"	28°24	1°Y 7	23°27	3°49	5°mp53	16° 0	17°51	18°52	22°m34	4°☾31	4°56	7°55	3°Ω18	T 2
F 3	12 46 18	13°29'27"	11°Y 2	0°31	24°42	4°35	5°48	16° 5	17°52	18°52	22°33	4°17	4°53	8° 2	3°18	F 3
S 4	12 50 15	14°28'35"	23°53	29°H59	25°56	5°22	5°43	16°10	17°53	18°53	22°32	4° 4	4°50	8° 9	3°D18	S 4
S 5	12 54 11	15°27'42"	6°856	29°34	27°10	6° 8	5°39	16°15	17°54	18°54	22°31	3°53	4°47	8°15	3°18	S 5
M 6	12 58 8	16°26'46"	20°12	29°13	28°24	6°55	5°34	16°20	17°55	18°54	22°30	3°44	4°43	8°22	3°18	M 6
T 7	13 2 4	17°25'49"	3°II38	28°58	29°38	7°41	5°30	16°24	17°55	18°54	22°28	3°38	4°40	8°29	3°18	T 7
W 8	13 6 1	18°24'49"	17°13	28°49	0°Y52	8°28	5°26	16°29	17°56	18°55	22°27	3°35	4°37	8°35	3°18	W 8
T 9	13 9 57	19°23'46"	0°☽59	28°D44	2° 6	9°14	5°22	16°33	17°57	18°55	22°26	3°D34	4°34	8°42	3°19	T 9
F 10	13 13 54	20°22'42"	14°53	28°46	3°20	10° 1	5°18	16°38	17°57	18°56	22°24	3°R34	4°31	8°49	3°20	F 10
S 11	13 17 51	21°21'35"	28°58	28°52	4°34	10°47	5°14	16°42	17°58	18°56	22°23	3°34	4°27	8°55	3°20	S 11
S 12	13 21 47	22°20'26"	13°Ω11	29° 4	5°48	11°34	5°10	16°46	17°58	18°56	22°22	3°33	4°24	9° 2	3°21	S 12
M13	13 25 44	23°19'14"	27°31	29°20	7° 2	12°20	5° 7	16°51	17°59	18°57	22°20	3°29	4°21	9° 9	3°22	M13
T 14	13 29 40	24°18'00"	11°mp55	29°42	8°15	13° 6	5° 4	16°55	17°59	18°57	22°19	3°22	4°18	9°15	3°23	T 14
W15	13 33 37	25°16'44"	26°19	0°Y 7	9°29	13°53	5° 1	16°59	18° 0	18°57	22°17	3°14	4°15	9°22	3°24	W15
T16	13 37 33	26°15'26"	10°Ω36	0°38	10°43	14°39	4°58	17° 3	18° 0	18°57	22°16	3° 3	4°12	9°29	3°25	T16
F 17	13 41 30	27°14'05"	24°42	1°12	11°57	15°26	4°56	17° 7	18° 0	18°57	22°15	2°53	4° 8	9°36	3°26	F 17
S 18	13 45 26	28°12'43"	8°m30	1°50	13°11	16°12	4°53	17°11	18° 1	18°57	22°13	2°43	4° 5	9°42	3°28	S 18
S 19	13 49 23	29°11'19"	21°57	2°32	14°25	16°59	4°51	17°14	18° 1	18°57	22°12	2°35	4° 2	9°49	3°29	S 19
M20	13 53 20	0°8 9°53	5°X 3	3°18	15°39	17°45	4°49	17°18	18° 1	18°57	22°10	2°29	3°59	9°56	3°31	M20
T 21	13 57 16	1° 8'26	17°46	4° 7	16°53	18°31	4°47	17°21	18° 1	18°R57	22° 9	2°26	3°56	10° 2	3°32	T 21
W22	14 1 13	2° 6'56	0°Ω10	5° 0	18° 7	19°18	4°45	17°25	18°R 1	18°57	22° 7	2°D25	3°53	10° 9	3°34	W22
T23	14 5 9	3° 5'25	12°18	5°55	19°21	20° 4	4°44	17°28	18° 1	18°57	22° 5	2°25	3°49	10°16	3°36	T 23
F 24	14 9 6	4° 3'53	24°15	6°54	20°35	20°50	4°42	17°32	18° 1	18°57	22° 4	2°26	3°46	10°22	3°38	F 24
S 25	14 13 2	5° 2'19	6°≈ 6	7°55	21°48	21°37	4°41	17°35	18° 1	18°57	22° 2	2°R26	3°43	10°29	3°40	S 25
S 26	14 16 59	6° 0'43	17°56	8°59	23° 2	22°23	4°40	17°38	18° 1	18°57	22° 1	2°25	3°40	10°36	3°42	S 26
M27	14 20 55	6°59'05"	29°50	10° 6	24°16	23° 9	4°39	17°41	18° 0	18°57	21°59	2°23	3°37	10°42	3°44	M27
T 28	14 24 52	7°57'26"	11°H54	11°16	25°30	23°55	4°39	17°44	18° 0	18°57	21°58	2°18	3°33	10°49	3°47	T 28
W29	14 28 49	8°55'45"	24°10	12°28	26°44	24°42	4°38	17°47	18° 0	18°56	21°56	2°11	3°30	10°56	3°49	W29
T 30	14 32 45	9°8'54'03	6°Y43	13°Y42	27°Y58	25°H28	4°mp38	17°≈50	17°☾59	18°☾56	21°m54	2°☾ 2	3°☾27	11°≈ 2	3°Ω52	T 30

# ASTRODIENST EPHEMERIS for the year 1992

## geocentric

MAY 1992

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	14 36 42	10♌52'19	19♍33	14♍59	29♍12	26♌14	4°D38	17♌52	17°R59	18°R56	21°R53	1°R53	3♌24	11♌9	3♌54	F 1
S 2	14 40 38	11°50'34	2♌40	16°17	0♌26	27° 0	4♌38	17°55	17♌58	18♌55	21♌51	1♌44	3°21	11°16	3°57	S 2
S 3	14 44 35	12°48'46	16° 5	17°38	1°39	27°46	4°38	17°57	17°58	18°55	21°49	1°37	3°18	11°22	4° 0	S 3
M 4	14 48 31	13°46'58	29°44	19° 2	2°53	28°32	4°39	18° 0	17°57	18°54	21°48	1°31	3°14	11°29	4° 3	M 4
T 5	14 52 28	14°45'07	13♌35	20°27	4° 7	29°19	4°40	18° 2	17°57	18°54	21°46	1°28	3°11	11°36	4° 6	T 5
W 6	14 56 24	15°43'15	27°34	21°55	5°21	0♍ 5	4°40	18° 4	17°56	18°54	21°44	1°D26	3° 8	11°42	4° 9	W 6
T 7	15 0 21	16°41'20	11♌39	23°24	6°35	0°51	4°41	18° 7	17°55	18°53	21°43	1°26	3° 5	11°49	4°12	T 7
F 8	15 4 18	17°39'24	25°48	24°56	7°49	1°37	4°43	18° 9	17°55	18°53	21°41	1°28	3° 2	11°56	4°16	F 8
S 9	15 8 14	18°37'26	9♌58	26°29	9° 2	2°23	4°44	18°11	17°54	18°52	21°39	1°29	2°59	12° 2	4°19	S 9
S 10	15 12 11	19°35'26	24° 8	28° 5	10°16	3° 9	4°46	18°12	17°53	18°51	21°38	1°R29	2°55	12° 9	4°22	S 10
M 11	15 16 7	20°33'23	8♌17	29°43	11°30	3°54	4°47	18°14	17°52	18°51	21°36	1°28	2°52	12°16	4°26	M 11
T 12	15 20 4	21°31'19	22°22	1♌23	12°44	4°40	4°49	18°16	17°51	18°50	21°34	1°24	2°49	12°22	4°30	T 12
W 13	15 24 0	22°29'14	6♌21	3° 4	13°57	5°26	4°52	18°17	17°50	18°49	21°33	1°20	2°46	12°29	4°33	W 13
T 14	15 27 57	23°27'06	20°11	4°48	15°11	6°12	4°54	18°19	17°49	18°49	21°31	1°14	2°43	12°36	4°37	T 14
F 15	15 31 53	24°24'57	3♌49	6°34	16°25	6°58	4°56	18°20	17°48	18°48	21°29	1° 8	2°39	12°42	4°41	F 15
S 16	15 35 50	25°22'46	17°13	8°21	17°39	7°43	4°59	18°22	17°47	18°47	21°28	1° 3	2°36	12°49	4°45	S 16
S 17	15 39 47	26°20'34	0♌21	10°11	18°52	8°29	5° 2	18°23	17°46	18°46	21°26	0°58	2°33	12°56	4°49	S 17
M 18	15 43 43	27°18'20	13°12	12° 3	20° 6	9°15	5° 5	18°24	17°44	18°45	21°24	0°55	2°30	13° 2	4°53	M 18
T 19	15 47 40	28°16'06	25°46	13°57	21°20	10° 0	5° 8	18°25	17°43	18°45	21°23	0°D54	2°27	13° 9	4°57	T 19
W 20	15 51 36	29°13'49	8♌ 4	15°53	22°34	10°46	5°11	18°26	17°42	18°44	21°21	0°54	2°24	13°16	5° 2	W 20
T 21	15 55 33	0♍11'32	20°10	17°50	23°47	11°31	5°15	18°27	17°40	18°43	21°19	0°55	2°20	13°22	5° 6	T 21
F 22	15 59 29	1° 9'14	2♌ 7	19°50	25° 1	12°17	5°18	18°27	17°39	18°42	21°18	0°57	2°17	13°29	5°10	F 22
S 23	16 3 26	2° 6'54	13°59	21°52	26°15	13° 2	5°22	18°28	17°38	18°41	21°16	0°59	2°14	13°36	5°15	S 23
S 24	16 7 22	3° 4'33	25°50	23°55	27°29	13°48	5°26	18°28	17°36	18°40	21°14	1° 0	2°11	13°42	5°20	S 24
M 25	16 11 19	4° 2'12	7♌45	26° 0	28°42	14°33	5°30	18°29	17°35	18°39	21°13	1°R 0	2° 8	13°49	5°24	M 25
T 26	16 15 16	4°59'49	19°50	28° 7	29°56	15°19	5°35	18°29	17°33	18°38	21°11	0°59	2° 5	13°56	5°29	T 26
W 27	16 19 12	5°57'25	2♍ 8	0♍15	1♍10	16° 4	5°39	18°29	17°32	18°37	21°10	0°57	2° 1	14° 3	5°34	W 27
T 28	16 23 9	6°55'01	14°44	2°24	2°23	16°49	5°44	18°29	17°30	18°36	21° 8	0°54	1°58	14° 9	5°39	T 28
F 29	16 27 5	7°52'35	27°40	4°34	3°37	17°34	5°49	18°R29	17°28	18°35	21° 6	0°51	1°55	14°16	5°44	F 29
S 30	16 31 2	8°50'09	10♌57	6°45	4°51	18°20	5°53	18°29	17°27	18°33	21° 5	0°47	1°52	14°23	5°49	S 30
S 31	16 34 58	9♍47'42	24♌37	8♍57	6♍ 5	19° 5	5♍59	18♌29	17♌25	18♌32	21♌ 3	0♌44	1♌49	14♌29	5♌54	S 31

Delta T = 58.57 sec

JUNE 1992

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	16 38 55	10♍45'14	8♍35	11♍ 9	7♍18	19♍50	6♍ 4	18°R29	17°R23	18°R31	21°R 2	0°R42	1♌45	14♌36	5♌59	M 1
T 2	16 42 51	11°42'45	22°50	13°21	8°32	20°35	6° 9	18°28	17♌21	18♌30	21♌ 0	0♌41	1°42	14°43	6° 4	T 2
W 3	16 46 48	12°40'14	7♌35	15°33	9°46	21°20	6°15	18°28	17°20	18°29	20°59	0°D41	1°39	14°49	6°10	W 3
T 4	16 50 45	13°37'43	21°47	17°44	11° 0	22° 5	6°20	18°27	17°18	18°28	20°57	0°42	1°36	14°56	6°15	T 4
F 5	16 54 41	14°35'10	6♌18	19°55	12°13	22°49	6°26	18°27	17°16	18°26	20°56	0°43	1°33	15° 3	6°20	F 5
S 6	16 58 38	15°32'37	20°45	22° 5	13°27	23°34	6°32	18°26	17°14	18°25	20°54	0°44	1°30	15° 9	6°26	S 6
S 7	17 2 34	16°30'02	5♍ 5	24°13	14°41	24°19	6°38	18°25	17°12	18°24	20°53	0°45	1°26	15°16	6°31	S 7
M 8	17 6 31	17°27'25	19°13	26°20	15°54	25° 4	6°45	18°24	17°10	18°22	20°51	0°R45	1°23	15°23	6°37	M 8
T 9	17 10 27	18°24'48	3♌ 9	28°25	17° 8	25°48	6°51	18°23	17° 8	18°21	20°50	0°45	1°20	15°29	6°43	T 9
W 10	17 14 24	19°22'10	16°51	0♌28	18°22	26°33	6°58	18°22	17° 6	18°20	20°48	0°44	1°17	15°36	6°49	W 10
T 11	17 18 20	20°19'30	0♍19	2°30	19°35	27°17	7° 4	18°21	17° 4	18°18	20°47	0°43	1°14	15°43	6°54	T 11
F 12	17 22 17	21°16'50	13°32	4°29	20°49	28° 2	7°11	18°19	17° 2	18°17	20°46	0°42	1°11	15°49	7° 0	F 12
S 13	17 26 14	22°14'09	26°32	6°27	22° 3	28°46	7°18	18°18	17° 0	18°16	20°44	0°40	1° 7	15°56	7° 6	S 13
S 14	17 30 10	23°11'27	9♌18	8°22	23°17	29°31	7°25	18°16	16°58	18°14	20°43	0°40	1° 4	16° 3	7°12	S 14
M 15	17 34 7	24° 8'44	21°50	10°15	24°30	0♌15	7°32	18°15	16°55	18°13	20°42	0°39	1° 1	16°10	7°18	M 15
T 16	17 38 3	25° 6'01	4♌11	12° 5	25°44	0°59	7°40	18°13	16°53	18°11	20°40	0°D39	0°58	16°16	7°24	T 16
W 17	17 42 0	26° 3'17	16°20	13°53	26°58	1°43	7°47	18°11	16°51	18°10	20°39	0°39	0°55	16°23	7°30	W 17
T 18	17 45 56	27° 0'32	28°21	15°39	28°11	2°27	7°55	18° 9	16°49	18° 8	20°38	0°40	0°51	16°30	7°37	T 18
F 19	17 49 53	27°57'48	10♌15	17°22	29°25	3°11	8° 2	18° 7	16°47	18° 7	20°36	0°40	0°48	16°36	7°43	F 19
S 20	17 53 50	28°55'02	22° 6	19° 3	0♌39	3°55	8°10	18° 5	16°44	18° 5	20°35	0°40	0°45	16°43	7°49	S 20
S 21	17 57 46	29°52'17	3♌57	20°42	1°52	4°39	8°18	18° 3	16°42	18° 4	20°34	0°40	0°42	16°50	7°55	S 21
M 22	18 1 43	0♌49'31	15°53	22°18	3° 6	5°23	8°26	18° 1	16°40	18° 2	20°33	0°R41	0°39	16°56	8° 2	M 22
T 23	18 5 39	1°46'45	27°57	23°52	4°20	6° 7	8°34	17°58	16°38	18° 1	20°32	0°D40	0°36	17° 3	8° 8	T 23
W 24	18 9 36	2°44'00	10♍14	25°23	5°34	6°51	8°43	17°56	16°35	17°59	20°31	0°41	0°32	17°10	8°15	W 24
T 25	18 13 32	3°41'14	22°48	26°52	6°47	7°34	8°51	17°54	16°33	17°58	20°29	0°41	0°29	17°16	8°21	T 25
F 26	18 17 29	4°38'28	5♌43	28°18	8° 1	8°18	9° 0	17°51	16°31	17°56	20°28	0°41	0°26	17°23	8°28	F 26
S 27	18 21 25	5°35'42	19° 2	29°42	9°15	9° 1	9° 8	17°48	16°28	17°55	20°27	0°41	0°23	17°30	8°34	S 27
S 28	18 25 22	6°32'56	2♍46	1♌ 4	10°29	9°45	9°17	17°46	16°26	17°53	20°26	0°42	0°20	17°36	8°41	S 28
M 29	18 29 19	7°30'10	16°54	2°22	11°42	10°28	9°26	17°43	16°23	17°51	20°25	0°42	0°17	17°43	8°48	M 29
T 30	18 33 15	8°27'24	1♌24	3♌38	12♌56	11♌11	9♍35	17°40	16♌21	17♌50	20♌24	0°R42	0♌13	17°50	8♌55	T 30

Delta T = 58.64 sec

ASTRODIENST EPHEMERIS for the year 1992  
geocentric

JULY 1992

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	18 37 12	9 <sup>52</sup> 24'38	16 <sup>50</sup> 10	4 <sup>52</sup> 52	14 <sup>50</sup> 10	11 <sup>8</sup> 55	9 <sup>10</sup> 44	17 <sup>0</sup> R37	16 <sup>0</sup> R19	17 <sup>0</sup> R48	20 <sup>0</sup> R23	0 <sup>0</sup> R42	0 <sup>0</sup> 310	17 <sup>0</sup> 57	9 <sup>0</sup> 1	W 1
T 2	18 41 8	10 <sup>0</sup> 21'52	1 <sup>0</sup> 5	6 <sup>0</sup> 2	15 <sup>0</sup> 24	12 <sup>0</sup> 38	9 <sup>0</sup> 53	17 <sup>0</sup> 34	16 <sup>0</sup> 316	17 <sup>0</sup> 347	20 <sup>0</sup> M22	0 <sup>0</sup> 342	0 <sup>0</sup> 7	18 <sup>0</sup> 3	9 <sup>0</sup> 8	T 2
F 3	18 45 5	11 <sup>0</sup> 19'05	16 <sup>0</sup> 2	7 <sup>0</sup> 10	16 <sup>0</sup> 37	13 <sup>0</sup> 21	10 <sup>0</sup> 2	17 <sup>0</sup> 31	16 <sup>0</sup> 14	17 <sup>0</sup> 45	20 <sup>0</sup> 22	0 <sup>0</sup> 40	0 <sup>0</sup> 4	18 <sup>0</sup> 10	9 <sup>0</sup> 15	F 3
S 4	18 49 1	12 <sup>0</sup> 16'18	0 <sup>0</sup> 151	8 <sup>0</sup> 15	17 <sup>0</sup> 51	14 <sup>0</sup> 4	10 <sup>0</sup> 12	17 <sup>0</sup> 28	16 <sup>0</sup> 11	17 <sup>0</sup> 43	20 <sup>0</sup> 21	0 <sup>0</sup> 39	0 <sup>0</sup> 1	18 <sup>0</sup> 17	9 <sup>0</sup> 22	S 4
S 5	18 52 58	13 <sup>0</sup> 13'31	15 <sup>0</sup> 26	9 <sup>0</sup> 17	19 <sup>0</sup> 5	14 <sup>0</sup> 47	10 <sup>0</sup> 21	17 <sup>0</sup> 24	16 <sup>0</sup> 9	17 <sup>0</sup> 42	20 <sup>0</sup> 20	0 <sup>0</sup> 38	29 <sup>0</sup> 57	18 <sup>0</sup> 23	9 <sup>0</sup> 29	S 5
M 6	18 56 54	14 <sup>0</sup> 10'44	29 <sup>0</sup> 44	10 <sup>0</sup> 16	20 <sup>0</sup> 19	15 <sup>0</sup> 30	10 <sup>0</sup> 31	17 <sup>0</sup> 21	16 <sup>0</sup> 7	17 <sup>0</sup> 40	20 <sup>0</sup> 19	0 <sup>0</sup> 37	29 <sup>0</sup> 54	18 <sup>0</sup> 30	9 <sup>0</sup> 36	M 6
T 7	19 0 51	15 <sup>0</sup> 7'56	13 <sup>0</sup> 41	11 <sup>0</sup> 12	21 <sup>0</sup> 32	16 <sup>0</sup> 12	10 <sup>0</sup> 40	17 <sup>0</sup> 18	16 <sup>0</sup> 4	17 <sup>0</sup> 38	20 <sup>0</sup> 18	0 <sup>0</sup> D37	29 <sup>0</sup> 51	18 <sup>0</sup> 37	9 <sup>0</sup> 43	T 7
W 8	19 4 48	16 <sup>0</sup> 5'08	27 <sup>0</sup> 16	12 <sup>0</sup> 4	22 <sup>0</sup> 46	16 <sup>0</sup> 55	10 <sup>0</sup> 50	17 <sup>0</sup> 14	16 <sup>0</sup> 2	17 <sup>0</sup> 37	20 <sup>0</sup> 17	0 <sup>0</sup> 37	29 <sup>0</sup> 48	18 <sup>0</sup> 43	9 <sup>0</sup> 50	W 8
T 9	19 8 44	17 <sup>0</sup> 2'20	10 <sup>0</sup> M32	12 <sup>0</sup> 53	24 <sup>0</sup> 0	17 <sup>0</sup> 37	11 <sup>0</sup> 0	17 <sup>0</sup> 11	15 <sup>0</sup> 59	17 <sup>0</sup> 35	20 <sup>0</sup> 17	0 <sup>0</sup> 38	29 <sup>0</sup> 45	18 <sup>0</sup> 50	9 <sup>0</sup> 57	T 9
F 10	19 12 41	17 <sup>0</sup> 59'32	23 <sup>0</sup> 29	13 <sup>0</sup> 38	25 <sup>0</sup> 14	18 <sup>0</sup> 20	11 <sup>0</sup> 10	17 <sup>0</sup> 7	15 <sup>0</sup> 57	17 <sup>0</sup> 34	20 <sup>0</sup> 16	0 <sup>0</sup> 39	29 <sup>0</sup> 42	18 <sup>0</sup> 57	10 <sup>0</sup> 4	F 10
S 11	19 16 37	18 <sup>0</sup> 56'44	6 <sup>0</sup> 10	14 <sup>0</sup> 20	26 <sup>0</sup> 28	19 <sup>0</sup> 2	11 <sup>0</sup> 20	17 <sup>0</sup> 4	15 <sup>0</sup> 54	17 <sup>0</sup> 32	20 <sup>0</sup> 15	0 <sup>0</sup> 40	29 <sup>0</sup> 38	19 <sup>0</sup> 3	10 <sup>0</sup> 11	S 11
S 12	19 20 34	19 <sup>0</sup> 53'56	18 <sup>0</sup> 37	14 <sup>0</sup> 58	27 <sup>0</sup> 41	19 <sup>0</sup> 45	11 <sup>0</sup> 30	17 <sup>0</sup> 0	15 <sup>0</sup> 52	17 <sup>0</sup> 30	20 <sup>0</sup> 15	0 <sup>0</sup> 41	29 <sup>0</sup> 35	19 <sup>0</sup> 10	10 <sup>0</sup> 18	S 12
M13	19 24 30	20 <sup>0</sup> 51'08	0 <sup>0</sup> 353	15 <sup>0</sup> 32	28 <sup>0</sup> 55	20 <sup>0</sup> 27	11 <sup>0</sup> 40	16 <sup>0</sup> 56	15 <sup>0</sup> 50	17 <sup>0</sup> 29	20 <sup>0</sup> 14	0 <sup>0</sup> R42	29 <sup>0</sup> 32	19 <sup>0</sup> 17	10 <sup>0</sup> 25	M13
T 14	19 28 27	21 <sup>0</sup> 48'21	13 <sup>0</sup> 0	16 <sup>0</sup> 2	0 <sup>0</sup> 9	21 <sup>0</sup> 9	11 <sup>0</sup> 51	16 <sup>0</sup> 52	15 <sup>0</sup> 47	17 <sup>0</sup> 27	20 <sup>0</sup> 14	0 <sup>0</sup> 41	29 <sup>0</sup> 29	19 <sup>0</sup> 23	10 <sup>0</sup> 33	T 14
W15	19 32 23	22 <sup>0</sup> 45'33	25 <sup>0</sup> 0	16 <sup>0</sup> 28	1 <sup>0</sup> 23	21 <sup>0</sup> 51	12 <sup>0</sup> 1	16 <sup>0</sup> 48	15 <sup>0</sup> 45	17 <sup>0</sup> 26	20 <sup>0</sup> 13	0 <sup>0</sup> 40	29 <sup>0</sup> 26	19 <sup>0</sup> 30	10 <sup>0</sup> 40	W15
T 16	19 36 20	23 <sup>0</sup> 42'46	6 <sup>0</sup> 55	16 <sup>0</sup> 49	2 <sup>0</sup> 36	22 <sup>0</sup> 33	12 <sup>0</sup> 11	16 <sup>0</sup> 45	15 <sup>0</sup> 42	17 <sup>0</sup> 24	20 <sup>0</sup> 13	0 <sup>0</sup> 37	29 <sup>0</sup> 23	19 <sup>0</sup> 37	10 <sup>0</sup> 47	T 16
F 17	19 40 17	24 <sup>0</sup> 39'59	18 <sup>0</sup> 47	17 <sup>0</sup> 6	3 <sup>0</sup> 50	23 <sup>0</sup> 15	12 <sup>0</sup> 22	16 <sup>0</sup> 41	15 <sup>0</sup> 40	17 <sup>0</sup> 22	20 <sup>0</sup> 12	0 <sup>0</sup> 34	29 <sup>0</sup> 19	19 <sup>0</sup> 44	10 <sup>0</sup> 54	F 17
S 18	19 44 13	25 <sup>0</sup> 37'13	0 <sup>0</sup> 37	17 <sup>0</sup> 18	5 <sup>0</sup> 4	23 <sup>0</sup> 57	12 <sup>0</sup> 32	16 <sup>0</sup> 37	15 <sup>0</sup> 38	17 <sup>0</sup> 21	20 <sup>0</sup> 12	0 <sup>0</sup> 29	29 <sup>0</sup> 16	19 <sup>0</sup> 50	11 <sup>0</sup> 2	S 18
S 19	19 48 10	26 <sup>0</sup> 34'27	12 <sup>0</sup> 29	17 <sup>0</sup> 26	6 <sup>0</sup> 18	24 <sup>0</sup> 38	12 <sup>0</sup> 43	16 <sup>0</sup> 33	15 <sup>0</sup> 35	17 <sup>0</sup> 19	20 <sup>0</sup> 11	0 <sup>0</sup> 25	29 <sup>0</sup> 13	19 <sup>0</sup> 57	11 <sup>0</sup> 9	S 19
M20	19 52 6	27 <sup>0</sup> 31'42	24 <sup>0</sup> 26	17 <sup>0</sup> R29	7 <sup>0</sup> 32	25 <sup>0</sup> 20	12 <sup>0</sup> 54	16 <sup>0</sup> 29	15 <sup>0</sup> 33	17 <sup>0</sup> 18	20 <sup>0</sup> 11	0 <sup>0</sup> 21	29 <sup>0</sup> 10	20 <sup>0</sup> 4	11 <sup>0</sup> 16	M20
T 21	19 56 3	28 <sup>0</sup> 28'58	6 <sup>0</sup> 30	17 <sup>0</sup> 26	8 <sup>0</sup> 45	26 <sup>0</sup> 1	13 <sup>0</sup> 5	16 <sup>0</sup> 24	15 <sup>0</sup> 31	17 <sup>0</sup> 16	20 <sup>0</sup> 11	0 <sup>0</sup> 18	29 <sup>0</sup> 7	20 <sup>0</sup> 10	11 <sup>0</sup> 24	T 21
W22	19 59 59	29 <sup>0</sup> 26'14	18 <sup>0</sup> 45	17 <sup>0</sup> 19	9 <sup>0</sup> 59	26 <sup>0</sup> 43	13 <sup>0</sup> 16	16 <sup>0</sup> 20	15 <sup>0</sup> 28	17 <sup>0</sup> 14	20 <sup>0</sup> 10	0 <sup>0</sup> 17	29 <sup>0</sup> 3	20 <sup>0</sup> 17	11 <sup>0</sup> 31	W22
T 23	20 3 56	0 <sup>0</sup> L23'31	1 <sup>0</sup> 16	17 <sup>0</sup> 7	11 <sup>0</sup> 13	27 <sup>0</sup> 24	13 <sup>0</sup> 27	16 <sup>0</sup> 16	15 <sup>0</sup> 26	17 <sup>0</sup> 13	20 <sup>0</sup> 10	0 <sup>0</sup> D16	29 <sup>0</sup> 0	20 <sup>0</sup> 24	11 <sup>0</sup> 38	T 23
F 24	20 7 52	1 <sup>0</sup> 20'49	14 <sup>0</sup> 7	16 <sup>0</sup> 50	12 <sup>0</sup> 27	28 <sup>0</sup> 5	13 <sup>0</sup> 38	16 <sup>0</sup> 12	15 <sup>0</sup> 24	17 <sup>0</sup> 11	20 <sup>0</sup> 10	0 <sup>0</sup> 17	28 <sup>0</sup> 57	20 <sup>0</sup> 30	11 <sup>0</sup> 46	F 24
S 25	20 11 49	2 <sup>0</sup> 18'08	27 <sup>0</sup> 20	16 <sup>0</sup> 28	13 <sup>0</sup> 41	28 <sup>0</sup> 47	13 <sup>0</sup> 49	16 <sup>0</sup> 8	15 <sup>0</sup> 21	17 <sup>0</sup> 10	20 <sup>0</sup> 9	0 <sup>0</sup> 18	28 <sup>0</sup> 54	20 <sup>0</sup> 37	11 <sup>0</sup> 53	S 25
S 26	20 15 46	3 <sup>0</sup> 15'29	11 <sup>0</sup> II 0	16 <sup>0</sup> 2	14 <sup>0</sup> 54	29 <sup>0</sup> 28	14 <sup>0</sup> 0	16 <sup>0</sup> 3	15 <sup>0</sup> 19	17 <sup>0</sup> 8	20 <sup>0</sup> 9	0 <sup>0</sup> 20	28 <sup>0</sup> 51	20 <sup>0</sup> 44	12 <sup>0</sup> 0	S 26
M27	20 19 42	4 <sup>0</sup> 12'50	25 <sup>0</sup> 7	15 <sup>0</sup> 32	16 <sup>0</sup> 8	0 <sup>0</sup> II 9	14 <sup>0</sup> 11	15 <sup>0</sup> 59	15 <sup>0</sup> 17	17 <sup>0</sup> 7	20 <sup>0</sup> 9	0 <sup>0</sup> R21	28 <sup>0</sup> 48	20 <sup>0</sup> 50	12 <sup>0</sup> 8	M27
T 28	20 23 39	5 <sup>0</sup> 10'12	9 <sup>0</sup> 340	14 <sup>0</sup> 57	17 <sup>0</sup> 22	0 <sup>0</sup> 49	14 <sup>0</sup> 22	15 <sup>0</sup> 55	15 <sup>0</sup> 15	17 <sup>0</sup> 5	20 <sup>0</sup> 9	0 <sup>0</sup> 20	28 <sup>0</sup> 44	20 <sup>0</sup> 57	12 <sup>0</sup> 15	T 28
W29	20 27 35	6 <sup>0</sup> 7'34	24 <sup>0</sup> 34	14 <sup>0</sup> 20	18 <sup>0</sup> 36	1 <sup>0</sup> 30	14 <sup>0</sup> 34	15 <sup>0</sup> 50	15 <sup>0</sup> 12	17 <sup>0</sup> 4	20 <sup>0</sup> 9	0 <sup>0</sup> 19	28 <sup>0</sup> 41	21 <sup>0</sup> 4	12 <sup>0</sup> 23	W29
T 30	20 31 32	7 <sup>0</sup> 4'58	9 <sup>0</sup> L42	13 <sup>0</sup> 39	19 <sup>0</sup> 50	2 <sup>0</sup> 11	14 <sup>0</sup> 45	15 <sup>0</sup> 46	15 <sup>0</sup> 10	17 <sup>0</sup> 2	20 <sup>0</sup> 9	0 <sup>0</sup> 15	28 <sup>0</sup> 38	21 <sup>0</sup> 11	12 <sup>0</sup> 30	T 30
F 31	20 35 28	8 <sup>0</sup> L 2'22	24 <sup>0</sup> L56	12 <sup>0</sup> L56	21 <sup>0</sup> L 4	2 <sup>0</sup> II51	14 <sup>0</sup> 17	15 <sup>0</sup> 41	15 <sup>0</sup> 8	17 <sup>0</sup> 3	20 <sup>0</sup> D 9	0 <sup>0</sup> 310	28 <sup>0</sup> 35	21 <sup>0</sup> 17	12 <sup>0</sup> L38	F 31

Delta T = 58.70 sec

AUGUST 1992

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 39 25	8♌59'47	10♍17 4	12♏R11	22♏L17	3♏II32	15♏17 8	15♏R37	15♏R 6	16♏R59	20♏L 9	0♏R 5	28♏32	21♏24	12♏L45	S 1
S 2	20 43 21	9♍57'13	24♍57	11♏L26	23♏31	4♏12	15♏20	15♏32	15♏3 4	16♏358	20♏ 9	29♏59	28♏28	21♏31	12♏53	S 2
M 3	20 47 18	10♍54'40	9♏28	10♏41	24♏45	4♏52	15♏32	15♏28	15♏ 2	16♏56	20♏ 9	29♏55	28♏25	21♏37	13♏ 0	M 3
T 4	20 51 15	11♍52'07	23♏33	9♍56	25♏59	5♏32	15♏43	15♏24	15♏ 0	16♏55	20♏ 9	29♏52	28♏22	21♏44	13♏ 8	T 4
W 5	20 55 11	12♍49'34	7♏11	9♏13	27♏13	6♏12	15♏55	15♏19	14♏58	16♏53	20♏ 9	29♏D50	28♏19	21♏51	13♏15	W 5
T 6	20 59 8	13♍47'03	20♏23	8♏33	28♏26	6♏52	16♏ 7	15♏15	14♏55	16♏52	20♏10	29♏50	28♏16	21♏57	13♏23	T 6
F 7	21 3 4	14♍44'32	3♏12	7♍55	29♏40	7♏32	16♏19	15♏10	14♏53	16♏50	20♏10	29♏51	28♏13	22♏ 4	13♏30	F 7
S 8	21 7 1	15♍42'02	15♏43	7♏22	0♏154	8♏11	16♏31	15♏ 6	14♏52	16♏49	20♏10	29♏52	28♏ 9	22♏11	13♏38	S 8
S 9	21 10 57	16♏39'33	27♏58	6♏54	2♏ 8	8♏51	16♏43	15♏ 1	14♏50	16♏48	20♏10	29♏R53	28♏ 6	22♏18	13♏45	S 9
M10	21 14 54	17♏37'05	10♏3 3	6♏31	3♏22	9♏30	16♏55	14♏57	14♏48	16♏46	20♏11	29♏53	28♏ 3	22♏24	13♏53	M10
T 11	21 18 50	18♏34'37	22♏ 1	6♏13	4♏35	10♏ 9	17♏ 7	14♏52	14♏46	16♏45	20♏11	29♏50	28♏ 0	22♏31	14♏ 0	T 11
W12	21 22 47	19♏32'11	3♏54	6♏ 2	5♏49	10♏48	17♏19	14♏48	14♏44	16♏44	20♏11	29♏46	27♏57	22♏38	14♏ 8	W12
T 13	21 26 44	20♏29'46	15♏45	5♏D58	7♏ 3	11♏27	17♏31	14♏43	14♏42	16♏42	20♏12	29♏39	27♏54	22♏44	14♏15	T 13
F 14	21 30 40	21♏27'22	27♏36	6♏ 1	8♏17	12♏ 6	17♏43	14♏39	14♏40	16♏41	20♏12	29♏30	27♏50	22♏51	14♏23	F 14
S 15	21 34 37	22♏24'59	9♏29	6♏11	9♏31	12♏45	17♏56	14♏34	14♏39	16♏40	20♏13	29♏20	27♏47	22♏58	14♏30	S 15
S 16	21 38 33	23♏22'37	21♏24	6♏28	10♏44	13♏24	18♏ 8	14♏30	14♏37	16♏39	20♏13	29♏10	27♏44	23♏ 4	14♏38	S 16
M17	21 42 30	24♏20'17	3♏Y25	6♏52	11♏58	14♏ 2	18♏20	14♏25	14♏35	16♏38	20♏14	29♏ 1	27♏41	23♏11	14♏45	M17
T 18	21 46 26	25♏17'58	15♏33	7♏24	13♏12	14♏41	18♏33	14♏21	14♏34	16♏36	20♏14	28♏53	27♏38	23♏18	14♏53	T 18
W19	21 50 23	26♏15'41	27♏51	8♏ 3	14♏26	15♏19	18♏45	14♏17	14♏32	16♏35	20♏15	28♏47	27♏34	23♏24	15♏ 0	W19
T 20	21 54 19	27♏13'26	10♏22	8♏49	15♏39	15♏57	18♏58	14♏12	14♏30	16♏34	20♏16	28♏43	27♏31	23♏31	15♏ 8	T 20
F 21	21 58 16	28♏11'12	23♏ 9	9♏42	16♏53	16♏35	19♏10	14♏ 8	14♏29	16♏33	20♏16	28♏D42	27♏28	23♏38	15♏15	F 21
S 22	22 2 13	29♏ 9'00	6♏II17	10♏42	18♏ 7	17♏13	19♏23	14♏ 4	14♏27	16♏32	20♏17	28♏42	27♏25	23♏45	15♏23	S 22
S 23	22 6 9	0♏17 6'49	19♏48	11♏49	19♏21	17♏51	19♏35	14♏ 0	14♏26	16♏31	20♏18	28♏42	27♏22	23♏51	15♏30	S 23
M24	22 10 6	1♏ 4'41	3♏546	13♏ 2	20♏34	18♏28	19♏48	13♏55	14♏24	16♏30	20♏19	28♏R42	27♏19	23♏58	15♏38	M24
T 25	22 14 2	2♏ 2'34	28♏ 9	14♏20	21♏48	19♏ 5	20♏ 0	13♏51	14♏23	16♏29	20♏20	28♏41	27♏15	24♏ 5	15♏45	T 25
W26	22 17 59	3♏ 0'29	2♏L57	15♏44	23♏ 2	19♏43	20♏13	13♏47	14♏22	16♏28	20♏20	28♏37	27♏12	24♏11	15♏52	W26
T 27	22 21 55	3♏58'25	18♏ 4	17♏13	24♏16	20♏20	20♏26	13♏43	14♏20	16♏27	20♏21	28♏31	27♏ 9	24♏18	16♏ 0	T 27
F 28	22 25 52	4♏56'24	3♏120	18♏47	25♏29	20♏57	20♏38	13♏39	14♏19	16♏26	20♏22	28♏23	27♏ 6	24♏25	16♏ 7	F 28
S 29	22 29 48	5♏54'23	18♏35	20♏25	26♏43	21♏34	20♏51	13♏35	14♏18	16♏25	20♏23	28♏13	27♏ 3	24♏31	16♏14	S 29
S 30	22 33 45	6♏52'24	3♏37	22♏ 7	27♏57	22♏10	21♏ 4	13♏31	14♏17	16♏24	20♏24	28♏ 3	27♏ 0	24♏38	16♏22	S 30
M31	22 37 42	7♏15'07	18♏19	23♏52	29♏10	22♏II47	21♏17	13♏27	14♏16	16♏23	20♏L25	27♏54	26♏56	24♏45	16♏L29	M31

# ASTRODIENST EPHEMERIS for the year 1992

## geocentric

SEPTEMBER 1992

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 41 38	8♈48'31	2♈33	25♈40	0♈24	23♈23	21♈29	13°R23	14°R15	16°R22	20♈26	27°R47	26♈53	24♈52	16♈36	T 1
W 2	22 45 35	9°46'36	16°17	27°30	1°38	23°59	21°42	13°20	14°14	16°21	20°27	27°43	26°50	24°58	16°43	W 2
T 3	22 49 31	10°44'43	29°33	29°22	2°51	24°35	21°55	13°16	14°13	16°21	20°29	27°41	26°47	25° 5	16°50	T 3
F 4	22 53 28	11°42'52	12♈22	1♈16	4° 5	25°11	22° 8	13°12	14°12	16°20	20°30	27°D40	26°44	25°12	16°58	F 4
S 5	22 57 24	12°41'01	24°50	3°10	5°19	25°47	22°21	13° 9	14°11	16°19	20°31	27°R41	26°40	25°18	17° 5	S 5
S 6	23 1 21	13°39'13	7♈ 2	5° 5	6°32	26°22	22°34	13° 5	14°10	16°18	20°32	27°40	26°37	25°25	17°12	S 6
M 7	23 5 17	14°37'25	19° 2	7° 1	7°46	26°57	22°47	13° 2	14° 9	16°18	20°33	27°39	26°34	25°32	17°19	M 7
T 8	23 9 14	15°35'40	0♈55	8°57	9° 0	27°33	23° 0	12°58	14° 8	16°17	20°35	27°34	26°31	25°39	17°26	T 8
W 9	23 13 11	16°33'55	12°45	10°52	10°13	28° 8	23°13	12°55	14° 8	16°17	20°36	27°27	26°28	25°45	17°33	W 9
T 10	23 17 7	17°32'13	24°36	12°48	11°27	28°42	23°25	12°51	14° 7	16°16	20°37	27°18	26°25	25°52	17°40	T 10
F 11	23 21 4	18°30'32	6♈29	14°43	12°40	29°17	23°38	12°48	14° 6	16°15	20°39	27° 6	26°21	25°59	17°47	F 11
S 12	23 25 0	19°28'53	18°26	16°37	13°54	29°51	23°51	12°45	14° 6	16°15	20°40	26°52	26°18	26° 5	17°54	S 12
S 13	23 28 57	20°27'15	0♈29	18°31	15° 8	0♈26	24° 4	12°42	14° 5	16°14	20°41	26°38	26°15	26°12	18° 1	S 13
M14	23 32 53	21°25'40	12°39	20°24	16°21	1° 0	24°17	12°39	14° 5	16°14	20°43	26°25	26°12	26°19	18° 7	M14
T 15	23 36 50	22°24'06	24°57	22°16	17°35	1°33	24°30	12°36	14° 4	16°14	20°44	26°14	26° 9	26°25	18°14	T 15
W16	23 40 46	23°22'35	7♈24	24° 7	18°48	2° 7	24°43	12°33	14° 4	16°13	20°46	26° 5	26° 5	26°32	18°21	W16
T 17	23 44 43	24°21'06	20° 2	25°57	20° 2	2°40	24°56	12°30	14° 4	16°13	20°47	25°59	26° 2	26°39	18°28	T 17
F 18	23 48 39	25°19'39	2♈53	27°46	21°15	3°14	25° 9	12°28	14° 3	16°12	20°49	25°56	25°59	26°46	18°34	F 18
S 19	23 52 36	26°18'14	16° 0	29°35	22°29	3°47	25°22	12°25	14° 3	16°12	20°50	25°55	25°56	26°52	18°41	S 19
S 20	23 56 33	27°16'51	29°27	1♈22	23°42	4°19	25°35	12°23	14° 3	16°12	20°52	25°54	25°53	26°59	18°47	S 20
M21	0 0 29	28°15'31	13♈14	3° 8	24°55	4°52	25°48	12°20	14° 3	16°12	20°54	25°54	25°50	27° 6	18°54	M21
T 22	0 4 26	29°14'12	27°25	4°53	26° 9	5°24	26° 1	12°18	14° 3	16°11	20°55	25°52	25°46	27°12	19° 0	T 22
W23	0 8 22	0♈12'57	11♈57	6°38	27°22	5°57	26°14	12°16	14°D 3	16°11	20°57	25°48	25°43	27°19	19° 7	W23
T 24	0 12 19	1°11'43	26°48	8°21	28°36	6°28	26°27	12°13	14° 3	16°11	20°59	25°41	25°40	27°26	19°13	T 24
F 25	0 16 15	2°10'31	11♈50	10° 3	29°49	7° 0	26°40	12°11	14° 3	16°11	21° 1	25°31	25°37	27°32	19°20	F 25
S 26	0 20 12	3° 9'21	26°55	11°44	1♈ 3	7°32	26°53	12° 9	14° 3	16°11	21° 2	25°20	25°34	27°39	19°26	S 26
S 27	0 24 8	4° 8'14	11♈53	13°25	2°16	8° 3	27° 6	12° 7	14° 3	16°11	21° 4	25° 9	25°31	27°46	19°32	S 27
M28	0 28 5	5° 7'08	26°33	15° 4	3°29	8°34	27°19	12° 5	14° 3	16°D11	21° 6	24°59	25°27	27°53	19°38	M28
T 29	0 32 2	6° 6'05	10♈50	16°43	4°43	9° 4	27°32	12° 4	14° 4	16°11	21° 8	24°51	25°24	27°59	19°44	T 29
W30	0 35 58	7♈ 5'03	24♈38	18♈21	5♈56	9♈35	27°45	12°22	14°D 4	16°D11	21°10	24°45	25°21	28°22	19°50	W30

Delta T = 58.84 sec

OCTOBER 1992

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	0 39 55	8♈4'03	7♈58	19♈58	7♈ 9	10♈ 5	27♈58	12°R 1	14°R 5	16°R11	21♈11	24°R42	25♈18	28♈13	19♈56	T 1
F 2	0 43 51	9° 3'05	20°51	21°34	8°23	10°35	28°11	11°59	14° 5	16°11	21°13	24°D41	25°15	28°19	20° 2	F 2
S 3	0 47 48	10° 2'09	3♈22	23° 9	9°36	11° 4	28°23	11°58	14° 5	16°11	21°15	24°41	25°11	28°26	20° 8	S 3
S 4	0 51 44	11° 1'14	15°35	24°43	10°49	11°34	28°36	11°57	14° 6	16°12	21°17	24°R41	25° 8	28°33	20°14	S 4
M 5	0 55 41	12° 0'21	27°35	26°17	12° 3	12° 3	28°49	11°55	14° 6	16°12	21°19	24°40	25° 5	28°40	20°20	M 5
T 6	0 59 37	12°59'30	9♈27	27°49	13°16	12°31	29° 2	11°54	14° 7	16°12	21°21	24°37	25° 2	28°46	20°26	T 6
W 7	1 3 34	13°58'41	21°18	29°21	14°29	13° 0	29°15	11°53	14° 8	16°12	21°23	24°31	24°59	28°53	20°31	W 7
T 8	1 7 31	14°57'53	3♈ 9	0♈52	15°42	13°28	29°27	11°53	14° 8	16°13	21°25	24°23	24°56	29° 0	20°37	T 8
F 9	1 11 27	15°57'07	15° 6	2°23	16°55	13°56	29°40	11°52	14° 9	16°13	21°27	24°12	24°52	29° 6	20°42	F 9
S 10	1 15 24	16°56'23	27°10	3°52	18° 9	14°23	29°53	11°51	14°10	16°13	21°29	24° 0	24°49	29°13	20°48	S 10
S 11	1 19 20	17°55'42	9♈23	5°21	19°22	14°51	0♈ 6	11°51	14°11	16°14	21°31	23°48	24°46	29°20	20°53	S 11
M12	1 23 17	18°55'02	21°45	6°49	20°35	15°17	0°18	11°50	14°12	16°14	21°34	23°36	24°43	29°27	20°58	M12
T 13	1 27 13	19°54'24	4♈18	8°16	21°48	15°44	0°31	11°50	14°13	16°15	21°36	23°25	24°40	29°33	21° 4	T 13
W14	1 31 10	20°53'48	17° 2	9°43	23° 1	16°10	0°43	11°49	14°14	16°15	21°38	23°18	24°37	29°40	21° 9	W14
T 15	1 35 6	21°53'15	29°56	11° 8	24°14	16°36	0°56	11°49	14°15	16°16	21°40	23°13	24°33	29°47	21°14	T 15
F 16	1 39 3	22°52'44	13♈ 1	12°33	25°27	17° 2	1° 9	11°D49	14°16	16°16	21°42	23°10	24°30	29°53	21°19	F 16
S 17	1 43 0	23°52'15	26°19	13°57	26°40	17°27	1°21	11°49	14°17	16°17	21°44	23°D10	24°27	0♈ 0	21°24	S 17
S 18	1 46 56	24°51'48	9♈50	15°20	27°53	17°52	1°33	11°49	14°19	16°18	21°46	23°10	24°24	0° 7	21°29	S 18
M19	1 50 53	25°51'24	23°36	16°42	29° 6	18°16	1°46	11°50	14°20	16°18	21°49	23°R11	24°21	0°13	21°34	M19
T 20	1 54 49	26°51'02	7♈37	18° 3	0♈19	18°40	1°58	11°50	14°21	16°19	21°51	23°11	24°17	0°20	21°38	T 20
W21	1 58 46	27°50'42	21°54	19°23	1°32	19° 4	2°11	11°50	14°23	16°20	21°53	23° 8	24°14	0°27	21°43	W21
T 22	2 2 42	28°50'25	6♈23	20°41	2°45	19°27	2°23	11°51	14°24	16°21	21°55	23° 3	24°11	0°34	21°47	T 22
F 23	2 6 39	29°50'10	21° 2	21°59	3°58	19°50	2°35	11°52	14°26	16°21	21°58	22°57	24° 8	0°40	21°52	F 23
S 24	2 10 35	0♈49'56	5♈43	23°15	5°11	20°13	2°47	11°52	14°27	16°22	22° 0	22°49	24° 5	0°47	21°56	S 24
S 25	2 14 32	1°49'45	20°19	24°30	6°23	20°35	3° 0	11°53	14°29	16°23	22° 2	22°40	24° 2	0°54	22° 1	S 25
M26	2 18 28	2°49'36	4♈44	25°44	7°36	20°56	3°12	11°54	14°30	16°24	22° 5	22°32	23°58	1° 0	22° 5	M26
T 27	2 22 25	3°49'30	18°50	26°55	8°49	21°17	3°24	11°55	14°32	16°25	22° 7	22°26	23°55	1° 7	22° 9	T 27
W28	2 26 22	4°49'25	2♈33	28° 5	10° 2	21°38	3°36	11°56	14°34	16°26	22° 9	22°22	23°52	1°14	22°13	W28
T 29	2 30 18	5°49'21	15°52	29°13	11°15	21°58	3°48	11°58	14°35	16°27	22°11	22°20	23°49	1°21	22°17	T 29
F 30	2 34 15	6°49'20	28°47	0♈19	12°27	22°18	4° 0	11°59	14°37	16°28	22°14	22°D20	23°46	1°27	22°21	F 30
S 31	2 38 11	7♈49'20	11♈20	1♈22	13♈40	22♈37	4♈11	12°22	14°D 3	16°D29	22°16	22°41	23°43	1♈34	22°D25	S 31

Delta T = 58.91 sec

ASTRODIENST EPHEMERIS for the year 1992  
geocentric

NOVEMBER 1992

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	2 42 8	8♉49°22	23♊36	2♊22	14♊53	22♊56	4♊23	12♊2	14♊41	16♊30	22♊19	22♊23	23♊39	1♊41	22♊28	S 1
M 2	2 46 4	9°49'25	5♈38	3°20	16° 5	23°14	4°35	12° 4	14°43	16°31	22°21	22°R24	23°36	1°47	22°32	M 2
T 3	2 50 1	10°49'30	17°33	4°13	17°18	23°32	4°47	12° 6	14°45	16°33	22°23	22°24	23°33	1°54	22°35	T 3
W 4	2 53 58	11°49'37	29°24	5° 3	18°30	23°49	4°58	12° 7	14°47	16°34	22°26	22°22	23°30	2° 1	22°39	W 4
T 5	2 57 54	12°49'45	11♈17	5°49	19°43	24° 6	5°10	12° 9	14°49	16°35	22°28	22°18	23°27	2° 8	22°42	T 5
F 6	3 1 51	13°49'54	23°17	6°30	20°55	24°22	5°21	12°11	14°51	16°36	22°30	22°13	23°23	2°14	22°45	F 6
S 7	3 5 47	14°50'05	5♉26	7° 6	22° 8	24°38	5°33	12°14	14°53	16°37	22°33	22° 7	23°20	2°21	22°49	S 7
S 8	3 9 44	15°50'18	17°47	7°35	23°20	24°53	5°44	12°16	14°56	16°39	22°35	22° 0	23°17	2°28	22°52	S 8
M 9	3 13 40	16°50'33	0♊22	7°58	24°33	25° 7	5°55	12°18	14°58	16°40	22°38	21°54	23°14	2°34	22°55	M 9
T 10	3 17 37	17°50'49	13°11	8°14	25°45	25°21	6° 6	12°21	15° 0	16°41	22°40	21°48	23°11	2°41	22°57	T 10
W 11	3 21 33	18°51'07	26°15	8°R22	26°57	25°35	6°18	12°23	15° 2	16°43	22°42	21°44	23° 8	2°48	23° 0	W 11
T 12	3 25 30	19°51'26	9♈32	8°21	28° 9	25°47	6°29	12°26	15° 5	16°44	22°45	21°42	23° 4	2°55	23° 3	T 12
F 13	3 29 26	20°51'48	23° 1	8°11	29°22	25°59	6°40	12°29	15° 7	16°46	22°47	21°D41	23° 1	3° 1	23° 5	F 13
S 14	3 33 23	21°52'11	6♊40	7°51	0♊34	26°11	6°51	12°31	15°10	16°47	22°50	21°42	22°58	3° 8	23° 8	S 14
S 15	3 37 20	22°52'36	20°29	7°21	1°46	26°22	7° 1	12°34	15°12	16°49	22°52	21°43	22°55	3°15	23°10	S 15
M 16	3 41 16	23°53'03	4♊27	6°40	2°58	26°32	7°12	12°37	15°15	16°50	22°54	21°45	22°52	3°21	23°12	M 16
T 17	3 45 13	24°53'32	18°31	5°50	4°10	26°41	7°23	12°40	15°17	16°52	22°57	21°R46	22°48	3°28	23°15	T 17
W 18	3 49 9	25°54'03	2♈41	4°50	5°22	26°50	7°33	12°44	15°20	16°53	22°59	21°46	22°45	3°35	23°17	W 18
T 19	3 53 6	26°54'35	16°55	3°42	6°34	26°58	7°44	12°47	15°22	16°55	23° 2	21°45	22°42	3°42	23°19	T 19
F 20	3 57 2	27°55'09	1♊10	2°27	7°46	27° 5	7°54	12°50	15°25	16°57	23° 4	21°42	22°39	3°48	23°20	F 20
S 21	4 0 59	28°55'45	15°23	1° 7	8°57	27°12	8° 5	12°54	15°28	16°58	23° 7	21°39	22°36	3°55	23°22	S 21
S 22	4 4 55	29°56'23	29°30	29♉45	10° 9	27°18	8°15	12°57	15°30	17° 0	23° 9	21°36	22°33	4° 2	23°24	S 22
M 23	4 8 52	0♊57'02	13♉27	28°24	11°21	27°23	8°25	13° 1	15°33	17° 2	23°11	21°33	22°29	4° 8	23°25	M 23
T 24	4 12 49	1°57'43	27°10	27° 7	12°32	27°27	8°35	13° 5	15°36	17° 3	23°14	21°31	22°26	4°15	23°27	T 24
W 25	4 16 45	2°58'26	10♊37	25°55	13°44	27°31	8°45	13° 8	15°39	17° 5	23°16	21°29	22°23	4°22	23°28	W 25
T 26	4 20 42	3°59'09	23°45	24°51	14°56	27°34	8°55	13°12	15°42	17° 7	23°19	21°D29	22°20	4°29	23°29	T 26
F 27	4 24 38	4°59'54	6♊34	23°57	16° 7	27°36	9° 5	13°16	15°45	17° 9	23°21	21°30	22°17	4°35	23°30	F 27
S 28	4 28 35	6° 0'40	19° 6	23°14	17°18	27°37	9°14	13°20	15°48	17°10	23°23	21°31	22°14	4°42	23°31	S 28
S 29	4 32 31	7° 1'28	1♊22	22°42	18°30	27°R37	9°24	13°25	15°50	17°12	23°26	21°32	22°10	4°49	23°32	S 29
M 30	4 36 28	8♊2'16	13♉26	22♉22	19♊41	27♊37	9♊33	13♉29	15♊53	17♊14	23♉28	21♊33	22♊7	4♈55	23♊33	M 30

Delta T = 58.98 sec

DECEMBER 1992

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	4 40 25	9♊3'05	25♈21	22°D13	20♊52	27°R36	9♊43	13♈33	15♊56	17♊16	23♉30	21♊34	22♊4	5♈2	23♊33	T 1
W 2	4 44 21	10° 3'55	7♈13	22♉15	22° 3	27♊34	9°52	13°38	16° 0	17°18	23°33	21°R35	22° 1	5° 9	23°34	W 2
T 3	4 48 18	11° 4'45	19° 7	22°27	23°14	27°31	10° 1	13°42	16° 3	17°20	23°35	21°35	21°58	5°16	23°34	T 3
F 4	4 52 14	12° 5'37	1♉6	22°48	24°25	27°27	10°10	13°47	16° 6	17°22	23°37	21°34	21°54	5°22	23°35	F 4
S 5	4 56 11	13° 6'29	13°16	23°18	25°36	27°22	10°19	13°51	16° 9	17°24	23°40	21°33	21°51	5°29	23°35	S 5
S 6	5 0 7	14° 7'23	25°40	23°56	26°47	27°17	10°27	13°56	16°12	17°26	23°42	21°32	21°48	5°36	23°R35	S 6
M 7	5 4 4	15° 8'17	8♊21	24°40	27°57	27°11	10°36	14° 1	16°15	17°28	23°44	21°31	21°45	5°42	23°35	M 7
T 8	5 8 0	16° 9'12	21°22	25°30	29° 8	27° 3	10°45	14° 5	16°18	17°30	23°47	21°30	21°42	5°49	23°35	T 8
W 9	5 11 57	17°10'08	4♈42	26°25	0♈18	26°56	10°53	14°10	16°21	17°32	23°49	21°30	21°39	5°56	23°35	W 9
T 10	5 15 54	18°11'05	18°21	27°25	1°28	26°47	11° 1	14°15	16°25	17°34	23°51	21°D30	21°35	6° 3	23°34	T 10
F 11	5 19 50	19°12'02	2♊17	28°29	2°39	26°37	11°10	14°20	16°28	17°36	23°53	21°30	21°32	6° 9	23°34	F 11
S 12	5 23 47	20°13'01	16°26	29°37	3°49	26°27	11°18	14°26	16°31	17°38	23°56	21°30	21°29	6°16	23°33	S 12
S 13	5 27 43	21°14'00	0♊44	0♊47	4°59	26°15	11°25	14°31	16°35	17°40	23°58	21°R30	21°26	6°23	23°33	S 13
M 14	5 31 40	22°15'01	15° 5	2° 0	6° 9	26° 3	11°33	14°36	16°38	17°42	24° 0	21°30	21°23	6°30	23°32	M 14
T 15	5 35 36	23°16'02	29°27	3°16	7°18	25°50	11°41	14°41	16°41	17°44	24° 2	21°30	21°20	6°36	23°31	T 15
W 16	5 39 33	24°17'05	13♈44	4°33	8°28	25°36	11°48	14°47	16°45	17°46	24° 4	21°30	21°16	6°43	23°30	W 16
T 17	5 43 29	25°18'08	27°55	5°52	9°37	25°22	11°56	14°52	16°48	17°48	24° 6	21°D30	21°13	6°50	23°29	T 17
F 18	5 47 26	26°19'12	11♊57	7°13	10°47	25° 6	12° 3	14°58	16°51	17°50	24° 9	21°30	21°10	6°56	23°28	F 18
S 19	5 51 23	27°20'17	25°48	8°35	11°56	24°50	12°10	15° 3	16°55	17°53	24°11	21°30	21° 7	7° 3	23°27	S 19
S 20	5 55 19	28°21'24	9♉29	9°58	13° 5	24°34	12°17	15° 9	16°58	17°55	24°13	21°31	21° 4	7°10	23°25	S 20
M 21	5 59 16	29°22'31	22°57	11°22	14°14	24°16	12°24	15°15	17° 2	17°57	24°15	21°32	21° 0	7°17	23°24	M 21
T 22	6 3 12	0♊23'38	6♊13	12°48	15°23	23°58	12°31	15°20	17° 5	17°59	24°17	21°32	20°57	7°23	23°22	T 22
W 23	6 7 9	1°24'46	19°16	14°14	16°31	23°39	12°37	15°26	17° 9	18° 1	24°19	21°R33	20°54	7°30	23°20	W 23
T 24	6 11 5	2°25'55	2♊5	15°40	17°40	23°19	12°44	15°32	17°12	18° 3	24°21	21°32	20°51	7°37	23°19	T 24
F 25	6 15 2	3°27'04	14°41	17° 8	18°48	22°59	12°50	15°38	17°15	18° 6	24°23	21°32	20°48	7°43	23°17	F 25
S 26	6 18 58	4°28'14	27° 5	18°35	19°56	22°39	12°56	15°44	17°19	18° 8	24°25	21°30	20°45	7°50	23°15	S 26
S 27	6 22 55	5°29'23	9♈17	20° 4	21° 4	22°17	13° 2	15°50	17°22	18°10	24°27	21°28	20°41	7°57	23°12	S 27
M 28	6 26 52	6°30'33	21°19	21°33	22°12	21°56	13° 8	15°56	17°26	18°12	24°29	21°26	20°38	8° 4	23°10	M 28
T 29	6 30 48	7°31'42	3♈14	23° 2	23°19	21°34	13°13	16° 2	17°30	18°15	24°31	21°23	20°35	8°10	23° 8	T 29
W 30	6 34 45	8°32'52	15° 6	24°32	24°27	21°11	13°19	16° 9	17°33	18°17	24°33	21°21	20°32	8°17	23° 6	W 30
T 31	6 38 41	9♊34'01	26♈58	26♊2	25♈34	20♊48	13♊24	16♈15	17♊37	18♊19	24♉35	21♊20	20♊29	8♈24	23♊3	T 31

Delta T = 59.05 sec