

SWISS EPHEMERIS für das Jahr 2004

JANUAR 2004

00:00 UT = 1:00 MEZ

Tag	Sternz.	☉	☽	♀	♁	♂	♃	♅	♁	♂	♃	♅	♁	♂	♃	♅
D 1	6 39 59	9°53'30	27°30	28°49	13°13	9°10	18°53	9°45	0°4	11°41	20°30	19°17	17°42	5°59	18°28	
F 2	6 43 55	10°54'39	9°23	27°58	14°27	9°46	18°54	9°40	0°6	11°43	20°32	19°18	17°39	6°6	18°34	
S 3	6 47 52	11°55'47	21°11	27°18	15°40	10°23	18°54	9°35	0°9	11°45	20°34	19°R19	17°36	6°12	18°40	
S 4	6 51 49	12°56'56	2°II57	26°48	16°54	11°0	18°R54	9°30	0°12	11°47	20°36	19°18	17°33	6°19	18°45	
M 5	6 55 45	13°58'04	14°46	26°28	18°8	11°36	18°54	9°25	0°14	11°49	20°38	19°14	17°29	6°26	18°51	
D 6	6 59 42	14°59'13	26°41	26°18	19°21	12°13	18°54	9°20	0°17	11°51	20°41	19°8	17°26	6°32	18°57	
M 7	7 3 38	16°0'21	8°43	26°D17	20°35	12°50	18°53	9°16	0°20	11°54	20°43	19°0	17°23	6°39	19°2	
D 8	7 7 35	17°1'29	20°56	26°25	21°48	13°27	18°53	9°11	0°22	11°56	20°45	18°49	17°20	6°46	19°8	
F 9	7 11 31	18°2'37	3°Ω18	26°41	23°1	14°4	18°52	9°6	0°25	11°58	20°47	18°38	17°17	6°52	19°14	
S 10	7 15 28	19°3'45	15°51	27°4	24°15	14°41	18°51	9°1	0°28	12°0	20°49	18°26	17°14	6°59	19°19	
S 11	7 19 25	20°4'52	28°36	27°34	25°28	15°18	18°49	8°56	0°31	12°2	20°51	18°15	17°10	7°6	19°25	
M12	7 23 21	21°6'00	11°II32	28°10	26°41	15°55	18°48	8°51	0°33	12°4	20°53	18°7	17°7	7°12	19°31	
D13	7 27 18	22°7'07	2°40	28°51	27°54	16°32	18°46	8°47	0°36	12°6	20°55	18°1	17°4	7°19	19°36	
M14	7 31 14	23°8'14	8°Ω2	29°37	29°7	17°9	18°45	8°42	0°39	12°8	20°57	17°58	17°1	7°26	19°42	
D15	7 35 11	24°9'21	21°38	0°Ω28	0°Ω21	17°47	18°43	8°37	0°42	12°11	20°59	17°D56	16°58	7°32	19°48	
F 16	7 39 7	25°10'28	5°II30	1°22	1°33	18°24	18°40	8°32	0°45	12°13	21°1	17°57	16°54	7°39	19°53	
S 17	7 43 4	26°11'35	19°38	2°20	2°46	19°1	18°38	8°28	0°48	12°15	21°3	17°R57	16°51	7°46	19°59	
S 18	7 47 0	27°12'42	4°Ω3	3°21	3°59	19°39	18°35	8°23	0°51	12°17	21°5	17°56	16°48	7°52	20°5	
M19	7 50 57	28°13'49	18°41	4°24	5°12	20°16	18°33	8°19	0°54	12°19	21°7	17°53	16°45	7°59	20°10	
D20	7 54 54	29°14'55	3°Ω27	5°31	6°25	20°54	18°30	8°14	0°57	12°22	21°9	17°47	16°42	8°6	20°16	
M21	7 58 50	0°Ω16'01	18°15	6°39	7°38	21°31	18°26	8°10	1°0	12°24	21°11	17°38	16°39	8°12	20°21	
D22	8 2 47	1°17'07	2°Ω56	7°50	8°50	22°9	18°23	8°6	1°3	12°26	21°12	17°27	16°35	8°19	20°27	
F 23	8 6 43	2°18'11	17°23	9°2	10°3	22°47	18°20	8°1	1°6	12°28	21°14	17°15	16°32	8°26	20°33	
S 24	8 10 40	3°19'15	1°Ω28	10°16	11°15	23°25	18°16	7°57	1°9	12°31	21°16	17°3	16°29	8°32	20°38	
S 25	8 14 36	4°20'18	15°7	11°32	12°28	24°2	18°12	7°53	1°13	12°33	21°18	16°53	16°26	8°39	20°44	
M26	8 18 33	5°21'20	28°20	12°50	13°40	24°40	18°8	7°49	1°16	12°35	21°20	16°45	16°23	8°46	20°49	
D27	8 22 29	6°22'20	11°Ω7	14°8	14°52	25°18	18°4	7°45	1°19	12°38	21°21	16°40	16°20	8°52	20°55	
M28	8 26 26	7°23'20	23°31	15°28	16°4	25°56	17°59	7°41	1°22	12°40	21°23	16°38	16°16	8°59	21°0	
D29	8 30 23	8°24'18	5°Ω38	16°49	17°16	26°34	17°55	7°37	1°25	12°42	21°25	16°D37	16°13	9°5	21°6	
F 30	8 34 19	9°25'16	17°33	18°11	18°28	27°12	17°50	7°33	1°29	12°44	21°27	16°R37	16°10	9°12	21°11	
S 31	8 38 16	10°26'12	29°Ω22	19°Ω35	19°Ω40	27°Ω50	17°Ω45	7°Ω29	1°Ω32	12°Ω47	21°Ω28	16°Ω37	16°Ω7	9°Ω19	21°Ω17	

Delta T = 64.57 sec.

FEBRUAR 2004

00:00 UT = 1:00 MEZ

Tag	Sternz.	☉	☽	♀	♁	♂	♃	♅	♁	♂	♃	♅	♁	♂	♃	♅
S 1	8 42 12	11°27'07	11°II9	20°Ω59	20°Ω52	28°Ω28	17°Ω40	7°Ω26	1°Ω35	12°Ω49	21°Ω30	16°Ω35	16°Ω4	9°II25	21°Ω22	
M 2	8 46 9	12°28'01	23°0	22°24	22°4	29°6	17°35	7°22	1°39	12°51	21°32	16°30	16°0	9°32	21°27	
D 3	8 50 5	13°28'53	4°Ω59	23°50	23°15	29°44	17°30	7°18	1°42	12°53	21°33	16°23	15°57	9°39	21°33	
M 4	8 54 2	14°29'44	17°10	25°17	24°27	0°Ω22	17°24	7°15	1°45	12°56	21°35	16°13	15°54	9°45	21°38	
D 5	8 57 58	15°30'34	29°34	26°45	25°38	1°0	17°19	7°12	1°49	12°58	21°36	16°0	15°51	9°52	21°43	
F 6	9 1 55	16°31'23	12°Ω12	28°14	26°50	1°38	17°13	7°8	1°52	13°0	21°38	15°46	15°48	9°59	21°49	
S 7	9 5 52	17°32'11	25°5	29°44	28°1	2°17	17°7	7°5	1°55	13°3	21°39	15°32	15°45	10°5	21°54	
S 8	9 9 48	18°32'57	8°II11	1°Ω14	29°12	2°55	17°1	7°2	1°59	13°5	21°41	15°20	15°41	10°12	21°59	
M 9	9 13 45	19°33'42	21°29	2°45	0°Ω23	3°33	16°55	6°59	2°2	13°7	21°42	15°9	15°38	10°19	22°4	
D10	9 17 41	20°34'26	4°Ω57	4°18	1°33	4°11	16°48	6°56	2°6	13°9	21°44	15°1	15°35	10°25	22°9	
M11	9 21 38	21°35'09	18°34	5°51	2°44	4°49	16°42	6°53	2°9	13°12	21°45	14°57	15°32	10°32	22°15	
D12	9 25 34	22°35'51	2°II20	7°24	3°55	5°28	16°35	6°51	2°12	13°14	21°46	14°55	15°29	10°39	22°20	
F 13	9 29 31	23°36'32	16°13	8°59	5°5	6°6	16°29	6°48	2°16	13°16	21°48	14°54	15°26	10°45	22°25	
S 14	9 33 27	24°37'12	0°Ω15	10°34	6°15	6°44	16°22	6°46	2°19	13°18	21°49	14°54	15°22	10°52	22°30	
S 15	9 37 24	25°37'51	14°24	12°11	7°26	7°23	16°15	6°43	2°23	13°21	21°50	14°53	15°19	10°59	22°35	
M16	9 41 21	26°38'28	28°40	13°48	8°36	8°1	16°8	6°41	2°26	13°23	21°51	14°50	15°16	11°5	22°40	
D17	9 45 17	27°39'05	13°Ω0	15°26	9°46	8°39	16°1	6°39	2°30	13°25	21°53	14°44	15°13	11°12	22°45	
M18	9 49 14	28°39'40	27°21	17°5	10°55	9°18	15°54	6°37	2°33	13°27	21°54	14°35	15°10	11°19	22°49	
D19	9 53 10	29°40'14	11°Ω36	18°45	12°5	9°56	15°47	6°35	2°36	13°30	21°55	14°24	15°6	11°25	22°54	
F 20	9 57 7	0°Ω40'47	25°41	20°25	13°15	10°34	15°39	6°33	2°40	13°32	21°56	14°12	15°3	11°32	22°59	
S 21	10 1 3	1°41'17	9°Ω30	22°7	14°24	11°13	15°32	6°31	2°43	13°34	21°57	14°0	15°0	11°39	23°4	
S 22	10 5 0	2°41'47	22°59	23°49	15°33	11°51	15°24	6°29	2°47	13°36	21°58	13°50	14°57	11°45	23°9	
M23	10 8 56	3°42'14	6°Ω6	25°33	16°42	12°29	15°17	6°28	2°50	13°38	21°59	13°42	14°54	11°52	23°13	
D24	10 12 53	4°42'40	18°51	27°17	17°51	13°8	15°9	6°26	2°54	13°40	22°0	13°36	14°51	11°59	23°18	
M25	10 16 50	5°43'03	1°Ω17	29°3	19°0	13°46	15°2	6°25	2°57	13°43	22°1	13°33	14°47	12°5	23°22	
D26	10 20 46	6°43'25	13°25	0°Ω49	20°8	14°25	14°54	6°24	3°1	13°45	22°2	13°D33	14°44	12°12	23°27	
F 27	10 24 43	7°43'45	25°22	2°36	21°16	15°3	14°46	6°22	3°4	13°47	22°3	13°33	14°41	12°19	23°31	
S 28	10 28 39	8°44'03	7°II12	4°25	22°25	15°42	14°39	6°21	3°8	13°49	22°4	13°R33	14°38	12°25	23°36	
S 29	10 32 36	9°Ω44'20	19°II1	6°Ω14	23°Ω33	16°Ω20	14°II31	6°Ω20	3°Ω11	13°Ω51	22°Ω5	13°Ω33	14°Ω35	12°II32	23°Ω40	

Delta T = 64.59 sec.

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SWISS EPHEMERIS für das Jahr 2004

MÄRZ 2004

00:00 UT = 1:00 MEZ = 2:00 MESZ

Tag	Sternz.	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋
M 1	10 36 32	10 ^h 44'34"	08 ^h 54'	8 ^h 4'	24 ^h 40'	16 ^h 59'	14 ^h 23'	6 ^h 20'	3 ^h 14'	13 ^h 53'	22 ^h 5'	13 ^h 31'	14 ^h 32'	12 ^h 39'	23 ^h 45'
D 2	10 40 29	11 ^h 44'46"	12 ^h 56'	9 ^h 56'	25 ^h 48'	17 ^h 37'	14 ^h 15'	6 ^h 19'	3 ^h 18'	13 ^h 55'	22 ^h 6'	13 ^h 26'	14 ^h 28'	12 ^h 45'	23 ^h 49'
M 3	10 44 25	12 ^h 44'56"	25 ^h 11'	11 ^h 48'	26 ^h 55'	18 ^h 16'	14 ^h 7'	6 ^h 18'	3 ^h 21'	13 ^h 57'	22 ^h 7'	13 ^h 19'	14 ^h 25'	12 ^h 52'	23 ^h 53'
D 4	10 48 22	13 ^h 45'04"	7 ^h 43'	13 ^h 41'	28 ^h 2'	18 ^h 54'	13 ^h 59'	6 ^h 18'	3 ^h 25'	13 ^h 59'	22 ^h 8'	13 ^h 10'	14 ^h 22'	12 ^h 59'	23 ^h 57'
F 5	10 52 19	14 ^h 45'10"	20 ^h 33'	15 ^h 35'	29 ^h 9'	19 ^h 32'	13 ^h 52'	6 ^h 18'	3 ^h 28'	14 ^h 1'	22 ^h 8'	13 ^h 0'	14 ^h 19'	13 ^h 5'	24 ^h 1'
S 6	10 56 15	15 ^h 45'14"	3 ^h 42'	17 ^h 30'	0 ^h 16'	20 ^h 11'	13 ^h 44'	6 ^h 17'	3 ^h 31'	14 ^h 3'	22 ^h 9'	12 ^h 49'	14 ^h 16'	13 ^h 12'	24 ^h 6'
S 7	11 0 12	16 ^h 45'16"	17 ^h 9'	19 ^h 26'	1 ^h 23'	20 ^h 49'	13 ^h 36'	6 ^h 17'	3 ^h 35'	14 ^h 5'	22 ^h 10'	12 ^h 40'	14 ^h 12'	13 ^h 19'	24 ^h 10'
M 8	11 4 8	17 ^h 45'16"	0 ^h 51'	21 ^h 22'	2 ^h 29'	21 ^h 28'	13 ^h 28'	6 ^h D17	3 ^h 38'	14 ^h 7'	22 ^h 10'	12 ^h 32'	14 ^h 9'	13 ^h 25'	24 ^h 13'
D 9	11 8 5	18 ^h 45'14"	14 ^h 45'	23 ^h 19'	3 ^h 35'	22 ^h 6'	13 ^h 20'	6 ^h 17'	3 ^h 42'	14 ^h 9'	22 ^h 11'	12 ^h 26'	14 ^h 6'	13 ^h 32'	24 ^h 17'
M10	11 12 1	19 ^h 45'11"	28 ^h 48'	25 ^h 17'	4 ^h 41'	22 ^h 45'	13 ^h 13'	6 ^h 17'	3 ^h 45'	14 ^h 11'	22 ^h 11'	12 ^h 23'	14 ^h 3'	13 ^h 39'	24 ^h 21'
D11	11 15 58	20 ^h 45'06"	12 ^h 55'	27 ^h 14'	5 ^h 46'	23 ^h 23'	13 ^h 5'	6 ^h 18'	3 ^h 48'	14 ^h 13'	22 ^h 12'	12 ^h D22	14 ^h 0'	13 ^h 45'	24 ^h 25'
F12	11 19 54	21 ^h 44'59"	27 ^h 5'	29 ^h 12'	6 ^h 51'	24 ^h 2'	12 ^h 57'	6 ^h 18'	3 ^h 52'	14 ^h 15'	22 ^h 12'	12 ^h 23'	13 ^h 57'	13 ^h 52'	24 ^h 29'
S13	11 23 51	22 ^h 44'50"	11 ^h 14'	1 ^h 10'	7 ^h 56'	24 ^h 40'	12 ^h 49'	6 ^h 19'	3 ^h 55'	14 ^h 17'	22 ^h 13'	12 ^h 24'	13 ^h 53'	13 ^h 59'	24 ^h 32'
S14	11 27 48	23 ^h 44'41"	25 ^h 23'	3 ^h 7'	9 ^h 1'	25 ^h 19'	12 ^h 42'	6 ^h 19'	3 ^h 58'	14 ^h 19'	22 ^h 13'	12 ^h R25	13 ^h 50'	14 ^h 5'	24 ^h 36'
M15	11 31 44	24 ^h 44'29"	9 ^h 28'	5 ^h 4'	10 ^h 5'	25 ^h 57'	12 ^h 34'	6 ^h 20'	4 ^h 2'	14 ^h 21'	22 ^h 13'	12 ^h 23'	13 ^h 47'	14 ^h 12'	24 ^h 40'
D16	11 35 41	25 ^h 44'16"	23 ^h 30'	6 ^h 59'	11 ^h 10'	26 ^h 36'	12 ^h 27'	6 ^h 21'	4 ^h 5'	14 ^h 23'	22 ^h 14'	12 ^h 20'	13 ^h 44'	14 ^h 19'	24 ^h 43'
M17	11 39 37	26 ^h 44'01"	7 ^h 26'	8 ^h 54'	12 ^h 13'	27 ^h 14'	12 ^h 19'	6 ^h 22'	4 ^h 8'	14 ^h 24'	22 ^h 14'	12 ^h 15'	13 ^h 41'	14 ^h 25'	24 ^h 47'
D18	11 43 34	27 ^h 43'44"	21 ^h 13'	10 ^h 46'	13 ^h 17'	27 ^h 52'	12 ^h 12'	6 ^h 23'	4 ^h 11'	14 ^h 26'	22 ^h 14'	12 ^h 9'	13 ^h 38'	14 ^h 32'	24 ^h 50'
F19	11 47 30	28 ^h 43'25"	4 ^h 50'	12 ^h 36'	14 ^h 20'	28 ^h 31'	12 ^h 5'	6 ^h 24'	4 ^h 15'	14 ^h 28'	22 ^h 14'	12 ^h 1'	13 ^h 34'	14 ^h 39'	24 ^h 53'
S20	11 51 27	29 ^h 43'05"	18 ^h 14'	14 ^h 24'	15 ^h 23'	29 ^h 9'	11 ^h 57'	6 ^h 26'	4 ^h 18'	14 ^h 30'	22 ^h 14'	11 ^h 54'	13 ^h 31'	14 ^h 45'	24 ^h 56'
S21	11 55 23	0 ^h 42'42"	1 ^h 22'	16 ^h 8'	16 ^h 26'	29 ^h 48'	11 ^h 50'	6 ^h 27'	4 ^h 21'	14 ^h 31'	22 ^h 15'	11 ^h 47'	13 ^h 28'	14 ^h 52'	25 ^h 0'
M22	11 59 20	1 ^h 42'17"	14 ^h 14'	17 ^h 49'	17 ^h 28'	0 ^h II26	11 ^h 43'	6 ^h 29'	4 ^h 24'	14 ^h 33'	22 ^h 15'	11 ^h 42'	13 ^h 25'	14 ^h 59'	25 ^h 3'
D23	12 3 16	2 ^h 41'51"	26 ^h 49'	19 ^h 26'	18 ^h 30'	1 ^h 5'	11 ^h 36'	6 ^h 30'	4 ^h 27'	14 ^h 35'	22 ^h 15'	11 ^h 39'	13 ^h 22'	15 ^h 5'	25 ^h 6'
M24	12 7 13	3 ^h 41'22"	9 ^h 8'	20 ^h 59'	19 ^h 32'	1 ^h 43'	11 ^h 30'	6 ^h 32'	4 ^h 30'	14 ^h 37'	22 ^h 15'	11 ^h D38	13 ^h 18'	15 ^h 12'	25 ^h 9'
D25	12 11 10	4 ^h 40'51"	21 ^h 15'	22 ^h 27'	20 ^h 33'	2 ^h 21'	11 ^h 23'	6 ^h 34'	4 ^h 34'	14 ^h 38'	22 ^h R15	11 ^h 39'	13 ^h 15'	15 ^h 19'	25 ^h 12'
F26	12 15 6	5 ^h 40'18"	3 ^h II11	23 ^h 49'	21 ^h 34'	3 ^h 0'	11 ^h 16'	6 ^h 36'	4 ^h 37'	14 ^h 40'	22 ^h 15'	11 ^h 40'	13 ^h 12'	15 ^h 25'	25 ^h 15'
S27	12 19 3	6 ^h 39'42"	15 ^h 1'	25 ^h 6'	22 ^h 34'	3 ^h 38'	11 ^h 10'	6 ^h 38'	4 ^h 40'	14 ^h 41'	22 ^h 15'	11 ^h 42'	13 ^h 9'	15 ^h 32'	25 ^h 17'
S28	12 22 59	7 ^h 39'05"	26 ^h 51'	26 ^h 17'	23 ^h 34'	4 ^h 17'	11 ^h 3'	6 ^h 40'	4 ^h 43'	14 ^h 43'	22 ^h 15'	11 ^h 43'	13 ^h 6'	15 ^h 39'	25 ^h 20'
M29	12 26 56	8 ^h 38'25"	8 ^h 44'	27 ^h 21'	24 ^h 34'	4 ^h 55'	10 ^h 57'	6 ^h 42'	4 ^h 46'	14 ^h 44'	22 ^h 14'	11 ^h R44	13 ^h 3'	15 ^h 45'	25 ^h 23'
D30	12 30 52	9 ^h 37'43"	20 ^h 46'	28 ^h 20'	25 ^h 33'	5 ^h 34'	10 ^h 51'	6 ^h 45'	4 ^h 49'	14 ^h 46'	22 ^h 14'	11 ^h 43'	12 ^h 59'	15 ^h 52'	25 ^h 25'
M31	12 34 49	10 ^h 36'58"	3 ^h II2	29 ^h 11'	26 ^h 31'	6 ^h II12	10 ^h 45'	6 ^h 47'	4 ^h 52'	14 ^h 47'	22 ^h 14'	11 ^h 44'	12 ^h 56'	15 ^h II59	25 ^h 28'

Delta T = 64.61 sec.

APRIL 2004

00:00 UT = 2:00 MESZ

Tag	Sternz.	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋
D 1	12 38 45	11 ^h 36'11"	15 ^h 35'	29 ^h 56'	27 ^h 30'	6 ^h II50	10 ^h 39'	6 ^h 50'	4 ^h 55'	14 ^h 49'	22 ^h 14'	11 ^h 38'	12 ^h 53'	16 ^h II5	25 ^h 30'
F 2	12 42 42	12 ^h 35'22"	28 ^h 30'	0 ^h 33'	28 ^h 27'	7 ^h 29'	10 ^h 33'	6 ^h 53'	4 ^h 58'	14 ^h 50'	22 ^h 14'	11 ^h 33'	12 ^h 50'	16 ^h 12'	25 ^h 32'
S 3	12 46 39	13 ^h 34'30"	11 ^h 47'	1 ^h 4'	29 ^h 25'	8 ^h 7'	10 ^h 28'	6 ^h 55'	5 ^h 1'	14 ^h 52'	22 ^h 13'	11 ^h 29'	12 ^h 47'	16 ^h 19'	25 ^h 35'
S 4	12 50 35	14 ^h 33'36"	25 ^h 27'	1 ^h 27'	0 ^h II21	8 ^h 45'	10 ^h 22'	6 ^h 58'	5 ^h 3'	14 ^h 53'	22 ^h 13'	11 ^h 25'	12 ^h 43'	16 ^h 25'	25 ^h 37'
M 5	12 54 32	15 ^h 32'41"	9 ^h 27'	1 ^h 44'	1 ^h 17'	9 ^h 24'	10 ^h 17'	7 ^h 1'	5 ^h 6'	14 ^h 54'	22 ^h 13'	11 ^h 21'	12 ^h 40'	16 ^h 32'	25 ^h 39'
D 6	12 58 28	16 ^h 31'43"	23 ^h 44'	1 ^h 53'	2 ^h 13'	10 ^h 2'	10 ^h 12'	7 ^h 4'	5 ^h 9'	14 ^h 56'	22 ^h 12'	11 ^h 19'	12 ^h 37'	16 ^h 39'	25 ^h 41'
M 7	13 2 25	17 ^h 30'43"	8 ^h 11'	1 ^h R55	3 ^h 8'	10 ^h 40'	10 ^h 7'	7 ^h 8'	5 ^h 12'	14 ^h 57'	22 ^h 12'	11 ^h D18	12 ^h 34'	16 ^h 45'	25 ^h 43'
D 8	13 6 21	18 ^h 29'41"	22 ^h 48'	1 ^h 51'	4 ^h 3'	11 ^h 19'	10 ^h 2'	7 ^h 11'	5 ^h 15'	14 ^h 58'	22 ^h 11'	11 ^h 19'	12 ^h 31'	16 ^h 52'	25 ^h 45'
F 9	13 10 18	19 ^h 28'37"	7 ^h 23'	1 ^h 40'	4 ^h 56'	11 ^h 57'	9 ^h 57'	7 ^h 14'	5 ^h 17'	15 ^h 0'	22 ^h 11'	11 ^h 20'	12 ^h 28'	16 ^h 59'	25 ^h 47'
S10	13 14 14	20 ^h 27'32"	21 ^h 53'	1 ^h 24'	5 ^h 50'	12 ^h 35'	9 ^h 52'	7 ^h 18'	5 ^h 20'	15 ^h 1'	22 ^h 10'	11 ^h 21'	12 ^h 24'	17 ^h 5'	25 ^h 49'
S11	13 18 11	21 ^h 26'25"	6 ^h 13'	1 ^h 1'	6 ^h 42'	13 ^h 14'	9 ^h 48'	7 ^h 21'	5 ^h 23'	15 ^h 2'	22 ^h 10'	11 ^h 22'	12 ^h 21'	17 ^h 12'	25 ^h 50'
M12	13 22 8	22 ^h 25'16"	20 ^h 22'	0 ^h 34'	7 ^h 34'	13 ^h 52'	9 ^h 44'	7 ^h 25'	5 ^h 25'	15 ^h 3'	22 ^h 9'	11 ^h R23	12 ^h 18'	17 ^h 19'	25 ^h 52'
D13	13 26 4	23 ^h 24'06"	4 ^h 18'	0 ^h 2'	8 ^h 25'	14 ^h 30'	9 ^h 40'	7 ^h 29'	5 ^h 28'	15 ^h 4'	22 ^h 9'	11 ^h 23'	12 ^h 15'	17 ^h 25'	25 ^h 54'
M14	13 30 1	24 ^h 22'54"	18 ^h 0'	29 ^h 26'	9 ^h 16'	15 ^h 8'	9 ^h 36'	7 ^h 33'	5 ^h 30'	15 ^h 5'	22 ^h 8'	11 ^h 21'	12 ^h 12'	17 ^h 32'	25 ^h 55'
D15	13 33 57	25 ^h 21'40"	1 ^h 27'	28 ^h 47'	10 ^h 5'	15 ^h 47'	9 ^h 32'	7 ^h 37'	5 ^h 33'	15 ^h 6'	22 ^h 7'	11 ^h 20'	12 ^h 9'	17 ^h 39'	25 ^h 56'
F16	13 37 54	26 ^h 20'24"	14 ^h 40'	28 ^h 6'	10 ^h 54'	16 ^h 25'	9 ^h 28'	7 ^h 41'	5 ^h 35'	15 ^h 7'	22 ^h 7'	11 ^h 18'	12 ^h 5'	17 ^h 45'	25 ^h 58'
S17	13 41 50	27 ^h 19'06"	27 ^h 39'	27 ^h 24'											

SWISS EPHEMERIS für das Jahr 2004

MAI 2004

00:00 UT = 2:00 MESZ

Tag	Sternz.	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
S 1	14 37 2	10♁57'35	19♎45	21°D 7	21♈13	25♈58	8♎56	8♁51	6♋ 8	15♎19	21♁53	11°D15	11♁18	19♈25	26♁ 8		
S 2	14 40 59	11°55'47	3♁26	21♈12	21°44	26°36	8°56	8°57	6°10	15°20	21°52	11♁15	11°15	19°32	26°R 8		
M 3	14 44 55	12°53'58	17°33	21°21	22°14	27°14	8°55	9° 2	6°12	15°20	21°51	11°15	11°11	19°39	26° 8		
D 4	14 48 52	13°52'06	2♈ 3	21°36	22°43	27°52	8°55	9° 8	6°14	15°21	21°50	11°15	11° 8	19°45	26° 8		
M 5	14 52 48	14°50'13	16°50	21°54	23°10	28°30	8°D55	9°13	6°15	15°21	21°49	11°R15	11° 5	19°52	26° 8		
D 6	14 56 45	15°48'18	1♁47	22°17	23°35	29° 8	8°55	9°19	6°17	15°21	21°48	11°15	11° 2	19°59	26° 7		
F 7	15 0 41	16°46'22	16°47	22°45	23°58	29°46	8°55	9°24	6°19	15°22	21°46	11°15	10°59	20° 5	26° 7		
S 8	15 4 38	17°44'24	1♁41	23°16	24°20	0♁24	8°56	9°30	6°20	15°22	21°45	11°14	10°55	20°12	26° 7		
S 9	15 8 35	18°42'25	16°21	23°52	24°40	1° 2	8°56	9°36	6°22	15°22	21°44	11°13	10°52	20°19	26° 6		
M10	15 12 31	19°40'25	0♁44	24°31	24°58	1°40	8°57	9°42	6°24	15°23	21°43	11°13	10°49	20°25	26° 6		
D11	15 16 28	20°38'23	14°45	25°15	25°14	2°18	8°58	9°48	6°25	15°23	21°41	11°D12	10°46	20°32	26° 5		
M12	15 20 24	21°36'19	28°24	26° 1	25°28	2°56	8°59	9°54	6°26	15°23	21°40	11°12	10°43	20°39	26° 4		
D13	15 24 21	22°34'15	11♁41	26°52	25°41	3°34	9° 1	10° 0	6°28	15°23	21°39	11°13	10°40	20°45	26° 4		
F 14	15 28 17	23°32'09	24°40	27°45	25°51	4°12	9° 2	10° 6	6°29	15°23	21°37	11°14	10°36	20°52	26° 3		
S 15	15 32 14	24°30'02	7♈21	28°42	25°58	4°50	9° 4	10°12	6°31	15°24	21°36	11°15	10°33	20°59	26° 2		
S 16	15 36 10	25°27'54	19°48	29°42	26° 4	5°28	9° 6	10°18	6°32	15°24	21°35	11°16	10°30	21° 5	26° 1		
M17	15 40 7	26°25'44	2♁ 3	0♁45	26° 7	6° 6	9° 8	10°25	6°33	15°24	21°33	11°17	10°27	21°12	26° 0		
D18	15 44 4	27°23'33	14° 9	1°51	26°R 8	6°44	9°10	10°31	6°34	15°R24	21°32	11°R17	10°24	21°19	25°58		
M19	15 48 0	28°21'21	26° 8	3° 0	26° 7	7°22	9°12	10°38	6°35	15°24	21°30	11°16	10°20	21°26	25°57		
D20	15 51 57	29°19'07	8♈ 2	4°11	26° 3	8° 0	9°15	10°44	6°36	15°24	21°29	11°15	10°17	21°32	25°56		
F 21	15 55 53	0♈16'52	19°52	5°26	25°57	8°38	9°18	10°51	6°37	15°23	21°28	11°13	10°14	21°39	25°55		
S 22	15 59 50	1°14'36	1♁41	6°42	25°49	9°16	9°20	10°57	6°38	15°23	21°26	11° 9	10°11	21°46	25°53		
S 23	16 3 46	2°12'18	13°32	8° 2	25°38	9°54	9°24	11° 4	6°39	15°23	21°25	11° 6	10° 8	21°52	25°52		
M24	16 7 43	3° 9'59	3° 9'59	9°24	25°24	10°32	9°27	11°10	6°40	15°23	21°23	11° 3	10° 5	21°59	25°50		
D25	16 11 39	4° 7'38	7♈29	10°49	25° 8	11°10	9°30	11°17	6°41	15°23	21°22	11° 0	10° 1	22° 6	25°48		
M26	16 15 36	5° 5'16	19°42	12°16	24°50	11°48	9°34	11°24	6°42	15°22	21°20	10°58	9°58	22°12	25°47		
D27	16 19 33	6° 2'52	2♈10	13°45	24°30	12°26	9°38	11°31	6°43	15°22	21°19	10°D57	9°55	22°19	25°45		
F 28	16 23 29	7° 0'27	14°57	15°17	24° 7	13° 4	9°42	11°38	6°43	15°22	21°17	10°57	9°52	22°26	25°43		
S 29	16 27 26	7°58'00	28° 7	16°51	23°42	13°41	9°46	11°45	6°44	15°21	21°16	10°58	9°49	22°32	25°41		
S 30	16 31 22	8°55'32	11♁42	18°28	23°15	14°19	9°50	11°51	6°44	15°21	21°14	11° 0	9°46	22°39	25°39		
M31	16 35 19	9♈53'03	25♁44	20♁ 8	22♈46	14♁57	9♈54	11♁58	6♋45	15♎21	21♁12	11♁ 1	9♁42	22♈46	25♁37		

Delta T = 64.65 sec.

JUNI 2004

00:00 UT = 2:00 MESZ

Tag	Sternz.	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
D 1	16 39 15	10♈50'32	10♈13	21♁49	22♈16	15♁35	9♈59	12♁ 5	6♋45	15♎20	21♁11	11°R 2	9♁39	22♈52	25♁35		
M 2	16 43 12	11°48'00	25° 4	23°33	21°43	16°13	10° 4	12°13	6°46	15°20	21° 9	11♁ 1	9°36	22°59	25°33		
D 3	16 47 8	12°45'27	10♁11	25°20	21°10	16°51	10° 8	12°20	6°46	15°19	21° 8	10°59	9°33	23° 6	25°31		
F 4	16 51 5	13°42'54	25°26	27° 9	20°35	17°29	10°13	12°27	6°47	15°19	21° 6	10°56	9°30	23°12	25°28		
S 5	16 55 2	14°40'19	10♁37	29° 0	19°59	18° 6	10°19	12°34	6°47	15°18	21° 5	10°51	9°26	23°19	25°26		
S 6	16 58 58	15°37'43	25°36	0♈53	19°22	18°44	10°24	12°41	6°47	15°18	21° 3	10°46	9°23	23°26	25°24		
M 7	17 2 55	16°35'07	10♁14	2°49	18°45	19°22	10°29	12°48	6°47	15°17	21° 1	10°42	9°20	23°32	25°21		
D 8	17 6 51	17°32'30	24°26	4°47	18° 7	20° 0	10°35	12°56	6°48	15°16	21° 0	10°38	9°17	23°39	25°19		
M 9	17 10 48	18°29'53	8♋10	6°47	17°29	20°38	10°41	13° 3	6°48	15°16	20°58	10°36	9°14	23°46	25°16		
D10	17 14 44	19°27'15	21°28	8°49	16°52	21°16	10°47	13°10	6°48	15°15	20°57	10°D36	9°11	23°53	25°13		
F 11	17 18 41	20°24'36	4♈21	10°54	16°15	21°53	10°53	13°18	6°R48	15°14	20°55	10°37	9° 7	23°59	25°11		
S 12	17 22 38	21°21'57	16°54	12°59	15°38	22°31	10°59	13°25	6°48	15°13	20°54	10°38	9° 4	24° 6	25° 8		
S 13	17 26 34	22°19'17	29°11	15° 7	15° 3	23° 9	11° 5	13°33	6°48	15°13	20°52	10°40	9° 1	24°13	25° 5		
M14	17 30 31	23°16'37	11♁16	17°16	14°28	23°47	11°12	13°40	6°47	15°12	20°50	10°R40	8°58	24°19	25° 2		
D15	17 34 27	24°13'57	23°12	19°25	13°55	24°25	11°18	13°48	6°47	15°11	20°49	10°39	8°55	24°26	25° 0		
M16	17 38 24	25°11'16	5♈ 4	21°36	13°23	25° 3	11°25	13°55	6°47	15°10	20°47	10°36	8°52	24°33	24°57		
D17	17 42 20	26° 8'35	16°53	23°48	12°53	25°40	11°32	14° 3	6°47	15° 9	20°46	10°31	8°48	24°39	24°54		
F 18	17 46 17	27° 5'53	28°42	25°59	12°25	26°18	11°39	14°10	6°46	15° 8	20°44	10°25	8°45	24°46	24°51		
S 19	17 50 13	28° 3'11	10♁34	28°11	11°59	26°56	11°46	14°18	6°46	15° 7	20°42	10°16	8°42	24°53	24°48		
S 20	17 54 10	29° 0'28	22°28	0♁23	11°35	27°34	11°53	14°25	6°46	15° 6	20°41	10° 7	8°39	24°59	24°45		
M21	17 58 7	29°57'44	4♈28	2°34	11°12	28°12	12° 1	14°33	6°45	15° 5	20°39	9°58	8°36	25° 6	24°41		
D22	18 2 3	0♈55'00	16°36	4°44	10°53	28°49	12° 8	14°41	6°45	15° 4	20°38	9°50	8°33	25°13	24°38		
M23	18 6 0	1°52'15	28°53	6°54	10°35	29°27	12°16	14°48	6°44	15° 3	20°36	9°44	8°29	25°19	24°35		
D24	18 9 56	2°49'30	11♈23	9° 2	10°20	0♈ 5	12°24	14°56	6°43	15° 2	20°35	9°39	8°26	25°26	24°32		
F 25	18 13 53	3°46'44	24° 8	11° 9	10° 7	0°43	12°32	15° 4	6°43	15° 1	20°33	9°37	8°23	25°33	24°29		
S 26	18 17 49	4°43'57	7♁13	13°15	9°56	1°21	12°40	15°11	6°42	15° 0	20°32	9°D36	8°20	25°40	24°25		
S 27	18 21 46	5°41'10	20°41	15°18	9°48	1°58	12°48	15°19	6°41	14°59	20°30	9°37	8°17	25°46	24°22		
M28	18 25 42	6°38'23	4♈33	17°21	9°42	2°36	12°56	15°27	6°41	14°58	20°29	9°R38	8°13	25°53	24°19		
D29	18 29 39	7°35'34	18°51	19°21	9°39	3°14	13° 4	15°35	6°40	14°56	20°27	9°38	8°10	26° 0	24°15		
M30	18 33 36	8♁32'46	3♁33	21♁19	9°D38	3♈52	13♈13	15♁42	6♋39	14♎55	20♁26	9♁36	8♁ 7	26♈ 6	24♁12		

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SWISS EPHEMERIS für das Jahr 2004

JULI 2004

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Tag	Sternz.	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌
D 1	18 37 32	9 ^h 29'57"	18 ^h 35'	23 ^h 16'	9 ^h 39'	4 ^h 29'	13 ^h 21'	15 ^h 50'	6 ^h 38'	14 ^h 54'	20 ^h 24'	9 ^h 31'	8 ^h 4'	26 ^h 13'	24 ^h 8'	
F 2	18 41 29	10 ^h 27'08"	3 ^h 48'	25 ^h 10'	9 ^h 42'	5 ^h 7'	13 ^h 30'	15 ^h 58'	6 ^h 37'	14 ^h 53'	20 ^h 23'	9 ^h 25'	8 ^h 1'	26 ^h 20'	24 ^h 5'	
S 3	18 45 25	11 ^h 24'19"	19 ^h 3'	27 ^h 2'	9 ^h 48'	5 ^h 45'	13 ^h 39'	16 ^h 6'	6 ^h 36'	14 ^h 51'	20 ^h 21'	9 ^h 16'	7 ^h 58'	26 ^h 26'	24 ^h 1'	
S 4	18 49 22	12 ^h 21'30"	4 ^h 9'	28 ^h 53'	9 ^h 56'	6 ^h 23'	13 ^h 48'	16 ^h 13'	6 ^h 35'	14 ^h 50'	20 ^h 20'	9 ^h 7'	7 ^h 54'	26 ^h 33'	23 ^h 58'	
M 5	18 53 18	13 ^h 18'41"	18 ^h 56'	0 ^h 41'	10 ^h 6'	7 ^h 1'	13 ^h 57'	16 ^h 21'	6 ^h 34'	14 ^h 49'	20 ^h 18'	8 ^h 58'	7 ^h 51'	26 ^h 40'	23 ^h 54'	
D 6	18 57 15	14 ^h 15'52"	3 ^h 17'	2 ^h 27'	10 ^h 18'	7 ^h 38'	14 ^h 6'	16 ^h 29'	6 ^h 33'	14 ^h 47'	20 ^h 17'	8 ^h 51'	7 ^h 48'	26 ^h 46'	23 ^h 51'	
M 7	19 1 11	15 ^h 13'03"	17 ^h 9'	4 ^h 11'	10 ^h 32'	8 ^h 16'	14 ^h 15'	16 ^h 37'	6 ^h 31'	14 ^h 46'	20 ^h 15'	8 ^h 46'	7 ^h 45'	26 ^h 53'	23 ^h 47'	
D 8	19 5 8	16 ^h 10'15"	0 ^h Y31'	5 ^h 54'	10 ^h 49'	8 ^h 54'	14 ^h 24'	16 ^h 44'	6 ^h 30'	14 ^h 45'	20 ^h 14'	8 ^h 43'	7 ^h 42'	27 ^h 0'	23 ^h 44'	
F 9	19 9 5	17 ^h 7'27"	13 ^h 26'	7 ^h 34'	11 ^h 7'	9 ^h 32'	14 ^h 34'	16 ^h 52'	6 ^h 29'	14 ^h 43'	20 ^h 13'	8 ^h D41'	7 ^h 39'	27 ^h 6'	23 ^h 40'	
S 10	19 13 1	18 ^h 4'39"	25 ^h 58'	9 ^h 12'	11 ^h 27'	10 ^h 10'	14 ^h 43'	17 ^h 0'	6 ^h 28'	14 ^h 42'	20 ^h 11'	8 ^h 42'	7 ^h 35'	27 ^h 13'	23 ^h 37'	
S 11	19 16 58	19 ^h 1'52"	8 ^h 12'	10 ^h 48'	11 ^h 48'	10 ^h 47'	14 ^h 53'	17 ^h 8'	6 ^h 26'	14 ^h 40'	20 ^h 10'	8 ^h R42'	7 ^h 32'	27 ^h 20'	23 ^h 33'	
M12	19 20 54	19 ^h 59'06"	20 ^h 13'	12 ^h 22'	12 ^h 12'	11 ^h 25'	15 ^h 2'	17 ^h 16'	6 ^h 25'	14 ^h 39'	20 ^h 9'	8 ^h 41'	7 ^h 29'	27 ^h 27'	23 ^h 29'	
D13	19 24 51	20 ^h 56'20"	2 ^h II 6'	13 ^h 54'	12 ^h 37'	12 ^h 3'	15 ^h 12'	17 ^h 23'	6 ^h 24'	14 ^h 38'	20 ^h 7'	8 ^h 39'	7 ^h 26'	27 ^h 33'	23 ^h 26'	
M14	19 28 47	21 ^h 53'34"	13 ^h 55'	15 ^h 23'	13 ^h 3'	12 ^h 41'	15 ^h 22'	17 ^h 31'	6 ^h 22'	14 ^h 36'	20 ^h 6'	8 ^h 34'	7 ^h 23'	27 ^h 40'	23 ^h 22'	
D15	19 32 44	22 ^h 50'49"	25 ^h 43'	16 ^h 51'	13 ^h 32'	13 ^h 19'	15 ^h 32'	17 ^h 39'	6 ^h 21'	14 ^h 35'	20 ^h 5'	8 ^h 27'	7 ^h 19'	27 ^h 47'	23 ^h 19'	
F 16	19 36 41	23 ^h 48'04"	7 ^h 33'	18 ^h 17'	14 ^h 1'	13 ^h 56'	15 ^h 42'	17 ^h 47'	6 ^h 19'	14 ^h 33'	20 ^h 3'	8 ^h 16'	7 ^h 16'	27 ^h 53'	23 ^h 15'	
S 17	19 40 37	24 ^h 45'20"	19 ^h 30'	19 ^h 40'	14 ^h 32'	14 ^h 34'	15 ^h 52'	17 ^h 55'	6 ^h 17'	14 ^h 32'	20 ^h 2'	8 ^h 4'	7 ^h 13'	28 ^h 0'	23 ^h 11'	
S 18	19 44 34	25 ^h 42'36"	1 ^h 33'	21 ^h 1'	15 ^h 5'	15 ^h 12'	16 ^h 3'	18 ^h 2'	6 ^h 16'	14 ^h 30'	20 ^h 1'	7 ^h 51'	7 ^h 10'	28 ^h 7'	23 ^h 8'	
M19	19 48 30	26 ^h 39'53"	13 ^h 42'	22 ^h 20'	15 ^h 39'	15 ^h 50'	16 ^h 13'	18 ^h 10'	6 ^h 14'	14 ^h 29'	20 ^h 0'	7 ^h 38'	7 ^h 7'	28 ^h 13'	23 ^h 4'	
D20	19 52 27	27 ^h 37'10"	26 ^h 0'	23 ^h 37'	16 ^h 14'	16 ^h 28'	16 ^h 23'	18 ^h 18'	6 ^h 13'	14 ^h 27'	19 ^h 59'	7 ^h 26'	7 ^h 4'	28 ^h 20'	23 ^h 1'	
M21	19 56 23	28 ^h 34'27"	8 ^h 28'	24 ^h 51'	16 ^h 50'	17 ^h 6'	16 ^h 34'	18 ^h 25'	6 ^h 11'	14 ^h 26'	19 ^h 57'	7 ^h 16'	7 ^h 0'	28 ^h 27'	22 ^h 57'	
D22	20 0 20	29 ^h 31'45"	2 ^h 1'6'	26 ^h 3'	17 ^h 27'	17 ^h 43'	16 ^h 44'	18 ^h 33'	6 ^h 9'	14 ^h 24'	19 ^h 56'	7 ^h 9'	6 ^h 57'	28 ^h 33'	22 ^h 54'	
F 23	20 4 16	0 ^h 29'02"	3 ^h 58'	27 ^h 13'	18 ^h 6'	18 ^h 21'	16 ^h 55'	18 ^h 41'	6 ^h 7'	14 ^h 22'	19 ^h 55'	7 ^h 4'	6 ^h 54'	28 ^h 40'	22 ^h 50'	
S 24	20 8 13	1 ^h 26'21"	17 ^h 5'	28 ^h 19'	18 ^h 46'	18 ^h 59'	17 ^h 6'	18 ^h 49'	6 ^h 5'	14 ^h 21'	19 ^h 54'	7 ^h 2'	6 ^h 51'	28 ^h 47'	22 ^h 46'	
S 25	20 12 10	2 ^h 23'39"	0 ^h 29'	29 ^h 24'	19 ^h 26'	19 ^h 37'	17 ^h 16'	18 ^h 56'	6 ^h 4'	14 ^h 19'	19 ^h 53'	7 ^h 2'	6 ^h 48'	28 ^h 54'	22 ^h 43'	
M26	20 16 6	3 ^h 20'58"	14 ^h 14'	0 ^h 25'	20 ^h 8'	20 ^h 15'	17 ^h 27'	19 ^h 4'	6 ^h 2'	14 ^h 18'	19 ^h 52'	7 ^h 2'	6 ^h 44'	29 ^h 0'	22 ^h 39'	
D27	20 20 3	4 ^h 18'18"	28 ^h 20'	1 ^h 24'	20 ^h 51'	20 ^h 53'	17 ^h 38'	19 ^h 11'	6 ^h 0'	14 ^h 16'	19 ^h 51'	7 ^h 1'	6 ^h 41'	29 ^h 7'	22 ^h 36'	
M28	20 23 59	5 ^h 15'38"	12 ^h 47'	2 ^h 20'	21 ^h 35'	21 ^h 31'	17 ^h 49'	19 ^h 19'	5 ^h 58'	14 ^h 14'	19 ^h 50'	6 ^h 58'	6 ^h 38'	29 ^h 14'	22 ^h 32'	
D29	20 27 56	6 ^h 12'58"	27 ^h 33'	3 ^h 13'	22 ^h 19'	22 ^h 9'	18 ^h 0'	19 ^h 27'	5 ^h 56'	14 ^h 13'	19 ^h 49'	6 ^h 53'	6 ^h 35'	29 ^h 20'	22 ^h 29'	
F 30	20 31 52	7 ^h 10'19"	12 ^h 31'	4 ^h 2'	23 ^h 4'	22 ^h 46'	18 ^h 11'	19 ^h 34'	5 ^h 54'	14 ^h 11'	19 ^h 48'	6 ^h 45'	6 ^h 32'	29 ^h 27'	22 ^h 26'	
S 31	20 35 49	8 ^h 1'74"	27 ^h 33'	4 ^h 28'	23 ^h II 51'	23 ^h II 24'	18 ^h 23'	19 ^h 342'	5 ^h 52'	14 ^h 10'	19 ^h 47'	6 ^h 35'	6 ^h 29'	29 ^h II 34'	22 ^h 22'	

Delta T = 64.72 sec.

AUGUST 2004

00:00 UT = 2:00 MESZ

Tag	Sternz.	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌
S 1	20 39 45	9 ^h 1'5'03"	12 ^h 31'	5 ^h 28'	24 ^h II 38'	24 ^h II 2'	18 ^h 34'	19 ^h 349'	5 ^h 50'	14 ^h 8'	19 ^h 46'	6 ^h 24'	6 ^h 25'	29 ^h II 40'	22 ^h 19'	
M 2	20 43 42	10 ^h 2'26"	27 ^h 14'	6 ^h 10'	25 ^h 26'	24 ^h 40'	18 ^h 45'	19 ^h 57'	5 ^h 48'	14 ^h 6'	19 ^h 45'	6 ^h 13'	6 ^h 22'	29 ^h 47'	22 ^h 15'	
D 3	20 47 39	10 ^h 59'50"	11 ^h 35'	6 ^h 45'	26 ^h 14'	25 ^h 18'	18 ^h 57'	20 ^h 4'	5 ^h 46'	14 ^h 5'	19 ^h 45'	6 ^h 4'	6 ^h 19'	29 ^h 54'	22 ^h 12'	
M 4	20 51 35	11 ^h 57'16"	25 ^h 29'	7 ^h 16'	27 ^h 4'	25 ^h 56'	19 ^h 8'	20 ^h 12'	5 ^h 44'	14 ^h 3'	19 ^h 44'	5 ^h 57'	6 ^h 16'	0 ^h 31'	22 ^h 9'	
D 5	20 55 32	12 ^h 54'42"	8 ^h Y54'	7 ^h 43'	27 ^h 54'	26 ^h 34'	19 ^h 19'	20 ^h 19'	5 ^h 42'	14 ^h 1'	19 ^h 43'	5 ^h 52'	6 ^h 13'	0 ^h 7'	22 ^h 6'	
F 6	20 59 28	13 ^h 52'09"	21 ^h 52'	8 ^h 5'	28 ^h 45'	27 ^h 12'	19 ^h 31'	20 ^h 26'	5 ^h 39'	14 ^h 0'	19 ^h 42'	5 ^h 50'	6 ^h 10'	0 ^h 14'	22 ^h 2'	
S 7	21 3 25	14 ^h 49'38"	4 ^h 27'	8 ^h 23'	29 ^h 36'	27 ^h 50'	19 ^h 43'	20 ^h 34'	5 ^h 37'	13 ^h 58'	19 ^h 41'	5 ^h D49'	6 ^h 6'	0 ^h 21'	21 ^h 59'	
S 8	21 7 21	15 ^h 47'08"	16 ^h 42'	8 ^h 36'	0 ^h 328'	28 ^h 28'	19 ^h 54'	20 ^h 41'	5 ^h 35'	13 ^h 57'	19 ^h 41'	5 ^h R49'	6 ^h 3'	0 ^h 27'	21 ^h 56'	
M 9	21 11 18	16 ^h 44'40"	28 ^h 44'	8 ^h 44'	1 ^h 21'	29 ^h 6'	20 ^h 6'	20 ^h 48'	5 ^h 33'	13 ^h 55'	19 ^h 40'	5 ^h 49'	6 ^h 0'	0 ^h 34'	21 ^h 53'	
D10	21 15 14	17 ^h 42'13"	10 ^h II 37'	8 ^h R46'	2 ^h 14'	29 ^h 44'	20 ^h 18'	20 ^h 56'	5 ^h 31'	13 ^h 53'	19 ^h 39'	5 ^h 47'	5 ^h 57'	0 ^h 41'	21 ^h 50'	
M11	21 19 11	18 ^h 39'47"	22 ^h 26'	8 ^h 44'	3 ^h 8'	0 ^h 22'	20 ^h 30'	21 ^h 3'	5 ^h 28'	13 ^h 52'	19 ^h 39'	5 ^h 43'	5 ^h 54'	0 ^h 47'	21 ^h 47'	
D12	21 23 8	19 ^h 37'23"	4 ^h 21'	8 ^h 36'	4 ^h 3'	1 ^h 0'	20 ^h 42'	21 ^h 10'	5 ^h 26'	13 ^h 50'	19 ^h 38'	5 ^h 36'	5 ^h 50'	0 ^h 54'	21 ^h 44'	
F 13	21 27 4	20 ^h 35'00"	16 ^h 12'	8 ^h 22'	4 ^h 57'	1 ^h 38'	20 ^h 54'	21 ^h 17'	5 ^h 24'	13 ^h 48'	19 ^h 38'	5 ^h 26'	5 ^h 47'	1 ^h 1'	21 ^h 41'	
S 14	21 31 1	21 ^h 32'38"	28 ^h 14'	8 ^h 4'	5 ^h 53'	2 ^h 16'	21 ^h 6'	21 ^h 24'	5 ^h 21'	13 ^h 47'	19 ^h 37'	5 ^h 15'	5 ^h 44'	1 ^h 7'	21 ^h 38'	
S 15	21 34 57	22 ^h 30'18"	10 ^h II 26'	7 ^h 39'	6 ^h 49'	2 ^h 54'	21 ^h 18'	21 ^h 32'	5 ^h 19'	13 ^h 45'	19 ^h 37'	5 ^h 2'	5 ^h 41'	1 ^h 14'	21 ^h 35'	
M16	21 38 54	23 ^h 27'59"	22 ^h 48'	7 ^h 9'	7 ^h 45'	3 ^h 32'	21 ^h 30'	21 ^h 39'	5 ^h 17'	13 ^h 44'	19 ^h 36'	4 ^h 50'	5 ^h 38'	1 ^h 21'	21 ^h 32'	
D17	21 42 50	24 ^h 25'41"	5 ^h 21'	6 ^h 35'	8 ^h 42'	4 ^h 10'	21 ^h 42'	21 ^h 46'	5 ^h 15'	13 ^h 42'	19 ^h 36'	4 ^h 38'				

SWISS EPHEMERIS für das Jahr 2004

SEPTEMBER 2004

00:00 UT = 2:00 MESZ

Tag	Sternz.	☉	☽	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏
M 1	22 41 59	8 ^h 53'41	3 ^h Y32	25 ^h Ω54	23 ^h Ω43	13 ^h ♁43	24 ^h ♁49	23 ^h Ω25	4 ^h ♁39	13 ^h ♁19	19 ^h ♁33	3 ^h Ω25	4 ^h Ω47	3 ^h Ω 8	20 ^h Ω55	
D 2	22 45 55	9°51'44	16°54	25°45	24°46	14°21	25° 1	23°31	4°36	13°18	19°33	3°22	4°44	3°15	20°53	
F 3	22 49 52	10°49'49	29°52	25°D45	25°49	14°59	25°14	23°37	4°34	13°16	19°33	3°D20	4°41	3°21	20°51	
S 4	22 53 48	11°47'56	12 ^h Ω27	25°53	26°53	15°38	25°27	23°43	4°32	13°15	19°33	3°21	4°37	3°28	20°49	
S 5	22 57 45	12°46'05	24°45	26°10	27°56	16°16	25°40	23°49	4°29	13°14	19°33	3°22	4°34	3°35	20°48	
M 6	23 1 41	13°44'16	6 ^h II48	26°36	29° 0	16°54	25°53	23°55	4°27	13°12	19°33	3°23	4°31	3°42	20°46	
D 7	23 5 38	14°42'30	18°43	27°10	0 ^h Ω 5	17°33	26° 5	24° 1	4°25	13°11	19°33	3°R23	4°28	3°48	20°45	
M 8	23 9 35	15°40'45	0 ^h Ω34	27°52	1° 9	18°11	26°18	24° 7	4°22	13°10	19°34	3°21	4°25	3°55	20°43	
D 9	23 13 31	16°39'02	12°27	28°42	2°14	18°49	26°31	24°13	4°20	13° 8	19°34	3°18	4°22	4° 2	20°42	
F 10	23 17 28	17°37'21	24°25	29°40	3°19	19°28	26°44	24°19	4°18	13° 7	19°34	3°13	4°18	4° 8	20°41	
S 11	23 21 24	18°35'42	6 ^h Ω33	0 ^h ♁45	4°24	20° 6	26°57	24°24	4°15	13° 6	19°35	3° 6	4°15	4°15	20°40	
S 12	23 25 21	19°34'05	18°52	1°57	5°30	20°45	27°10	24°30	4°13	13° 4	19°35	2°59	4°12	4°22	20°38	
M13	23 29 17	20°32'30	1 ^h ♁26	3°15	6°35	21°23	27°23	24°35	4°11	13° 3	19°35	2°51	4° 9	4°29	20°37	
D14	23 33 14	21°30'57	14°15	4°38	7°41	22° 2	27°36	24°41	4° 8	13° 2	19°36	2°44	4° 6	4°35	20°36	
M15	23 37 10	22°29'26	27°19	6° 6	8°47	22°40	27°48	24°46	4° 6	13° 1	19°36	2°38	4° 2	4°42	20°35	
D16	23 41 7	23°27'57	10 ^h Ω36	7°39	9°54	23°19	28° 1	24°51	4° 4	13° 0	19°37	2°34	3°59	4°49	20°35	
F17	23 45 3	24°26'30	24° 5	9°16	11° 0	23°57	28°14	24°57	4° 2	12°59	19°37	2°32	3°56	4°55	20°34	
S 18	23 49 0	25°25'04	7 ^h II45	10°55	12° 7	24°36	28°27	25° 2	4° 0	12°57	19°38	2°D32	3°53	5° 2	20°33	
S 19	23 52 57	26°23'40	21°35	12°38	13°14	25°14	28°40	25° 7	3°57	12°56	19°39	2°33	3°50	5° 9	20°32	
M20	23 56 53	27°22'18	5 ^h ♁33	14°22	14°21	25°53	28°53	25°12	3°55	12°55	19°39	2°34	3°47	5°15	20°32	
D21	0 0 50	28°20'57	19°37	16° 9	15°28	26°32	29° 6	25°17	3°53	12°54	19°40	2°36	3°43	5°22	20°31	
M22	0 4 46	29°19'39	3 ^h Ω 8	17°57	16°36	27°10	29°19	25°21	3°51	12°53	19°41	2°R36	3°40	5°29	20°31	
D23	0 8 43	0 ^h Ω18'22	18° 2	19°46	17°43	27°49	29°32	25°26	3°49	12°52	19°41	2°35	3°37	5°36	20°31	
F 24	0 12 39	1°17'06	2 ^h Ω17	21°35	18°51	28°28	29°45	25°31	3°47	12°51	19°42	2°32	3°34	5°42	20°30	
S 25	0 16 36	2°15'52	16°30	23°25	19°59	29° 6	29°58	25°35	3°45	12°50	19°43	2°28	3°31	5°49	20°30	
S 26	0 20 32	3°14'40	0 ^h Ω38	25°15	21° 8	29°45	0 ^h Ω11	25°40	3°43	12°49	19°44	2°24	3°28	5°56	20°30	
M27	0 24 29	4°13'30	14°36	27° 5	22°16	0 ^h Ω24	0°24	25°44	3°41	12°49	19°45	2°20	3°24	6° 2	20°D30	
D28	0 28 26	5°12'21	28°20	28°55	23°25	1° 3	0°37	25°49	3°39	12°48	19°45	2°16	3°21	6° 9	20°30	
M29	0 32 22	6°11'15	11 ^h Y47	0 ^h Ω45	24°33	1°41	0°50	25°53	3°37	12°47	19°46	2°13	3°18	6°16	20°30	
D30	0 36 19	7 ^h Ω10'10	24 ^h Y56	2 ^h Ω34	25 ^h Ω42	2 ^h Ω20	1 ^h 3	25 ^h Ω57	3 ^h Ω35	12 ^h Ω46	19 ^h Ω47	2 ^h Ω12	3 ^h Ω15	6 ^h Ω23	20 ^h Ω31	

Delta T = 64.80 sec.

OKTOBER 2004

00:00 UT = 2:00 MESZ = 1:00 MEZ

Tag	Sternz.	☉	☽	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏
F 1	0 40 15	8 ^h Ω 9'08	7 ^h Ω46	4 ^h Ω22	26 ^h Ω51	2 ^h Ω59	1 ^h Ω16	26 ^h Ω 1	3 ^h Ω33	12 ^h Ω45	19 ^h Ω48	2°D12	3 ^h Ω12	6 ^h Ω29	20 ^h Ω31	
S 2	0 44 12	9° 8'08	20°18	6°10	28° 0	3°38	1°29	26° 5	3°32	12°45	19°49	2°Ω13	3° 8	6°36	20°31	
S 3	0 48 8	10° 7'10	2 ^h II35	7°57	29°10	4°17	1°42	26° 9	3°30	12°44	19°50	2°14	3° 5	6°43	20°32	
M 4	0 52 5	11° 6'14	14°39	9°44	0 ^h ♁19	4°56	1°55	26°13	3°28	12°43	19°51	2°16	3° 2	6°49	20°32	
D 5	0 56 1	12° 5'21	26°35	11°30	1°29	5°34	2° 8	26°16	3°26	12°43	19°53	2°17	2°59	6°56	20°33	
M 6	0 59 58	13° 4'30	8 ^h Ω27	13°15	2°39	6°13	2°20	26°20	3°25	12°42	19°54	2°R18	2°56	7° 3	20°33	
D 7	1 3 55	14° 3'41	0 ^h Ω20	14°59	3°49	6°52	2°33	26°23	3°23	12°41	19°55	2°18	2°53	7° 9	20°34	
F 8	1 7 51	15° 2'55	2 ^h Ω19	16°43	4°59	7°31	2°46	26°27	3°21	12°41	19°56	2°17	2°49	7°16	20°35	
S 9	1 11 48	16° 2'10	14°28	18°26	6° 9	8°10	2°59	26°30	3°20	12°40	19°57	2°16	2°46	7°23	20°36	
S 10	1 15 44	17° 1'28	26°51	20° 8	7°19	8°49	3°12	26°33	3°18	12°40	19°59	2°13	2°43	7°30	20°37	
M11	1 19 41	18° 0'49	9 ^h ♁32	21°49	8°30	9°28	3°24	26°36	3°17	12°39	20° 0	2°11	2°40	7°36	20°38	
D12	1 23 37	19° 0'11	22°32	23°29	9°41	10° 8	3°37	26°39	3°15	12°39	20° 1	2° 9	2°37	7°43	20°39	
M13	1 27 34	19°59'36	5 ^h Ω51	25° 9	10°51	10°47	3°50	26°42	3°14	12°39	20° 2	2° 8	2°33	7°50	20°40	
D14	1 31 30	20°59'03	19°29	26°48	12° 2	11°26	4° 3	26°45	3°13	12°38	20° 4	2° 7	2°30	7°56	20°42	
F 15	1 35 27	21°58'31	3 ^h II24	28°27	13°13	12° 5	4°15	26°48	3°11	12°38	20° 5	2°D 7	2°27	8° 3	20°43	
S 16	1 39 24	22°58'02	17°32	0 ^h II 4	14°24	12°44	4°28	26°50	3°10	12°38	20° 7	2° 7	2°24	8°10	20°44	
S 17	1 43 20	23°57'35	1 ^h Ω49	1°41	15°36	13°23	4°41	26°53	3° 9	12°37	20° 8	2° 8	2°21	8°17	20°46	
M18	1 47 17	24°57'10	16°10	3°18	16°47	14° 3	4°53	26°55	3° 7	12°37	20° 9	2° 8	2°18	8°23	20°48	
D19	1 51 13	25°56'46	0 ^h Ω32	4°53	17°58	14°42	5° 6	26°58	3° 6	12°37	20°11	2° 9	2°14	8°30	20°49	
M20	1 55 10	26°56'25	14°50	6°28	19°10	15°21	5°18	27° 0	3° 5	12°37	20°12	2° 9	2°11	8°37	20°51	
D21	1 59 6	27°56'05	29° 3	8° 3	20°21	16° 0	5°31	27° 2	3° 4	12°37	20°14	2°R 9	2° 8	8°43	20°53	
F 22	2 3 3	28°55'46	13 ^h Ω 6	9°37	21°33	16°40	5°43	27° 4	3° 3	12°37	20°16	2° 9	2° 5	8°50	20°55	
S 23	2 6 59	29°55'29	27° 0	11°10	22°45	17°19	5°56	27° 6	3° 2	12°36	20°17	2° 9	2° 2	8°57	20°57	
S 24	2 10 56	0 ^h II55'14	10 ^h Ω43	12°43	23°57	17°58	6° 8	27° 7	3° 1	12°D36	20°19	2° 9	1°59	9° 4	20°59	
M25	2 14 53	1°55'00	24°13	14°15	25° 9	18°38	6°20	27° 9	3° 0	12°36	20°20	2°D 9	1°55	9°10	21° 1	
D26	2 18 49	2°54'49	7 ^h Y30	15°47	26°21	19°17	6°33	27°11	2°59	12°36	20°22	2° 9	1°52	9°17	21° 3	
M27	2 22 46	3°54'39	20°33	17°18	27°33	19°57	6°45	27°12	2°59	12°37	20°24	2° 9	1°49	9°24	21° 5	
D28	2 26 42	4°54'31	3 ^h Ω23	18°48	28°46	20°36	6°57	27°13	2°58	12°37	20°25	2°R 9	1°46	9°30	21° 7	
F 29	2 30 39	5°54'25	15°59	20°18	29°58	21°16	7° 9	27°15	2°57	12°37	20°27	2° 9	1°43	9°37	21°10	
S 30	2 34 35	6°54'21	28°22	21°48	1 ^h Ω11	21°55	7°21	27°16	2°56	12°37	20°29	2° 9	1°39	9°44	21°12	
S 31	2 38 32	7 ^h II54'19	10 ^h II34	23 ^h II17	2 ^h Ω23	22 ^h Ω35	7 ^h Ω33	27 ^h Ω17	2 ^h Ω56	12 ^h Ω37	20 ^h Ω31	2 ^h Ω 8	1 ^h Ω36	9 ^h Ω51	21 ^h Ω15	

Delta T = 64.84 sec.

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SWISS EPHEMERIS für das Jahr 2004

NOVEMBER 2004

00:00 UT = 1:00 MEZ

Tag	Sternz.	☉	☽	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
M 1	2 42 28	8♏54'19	22♏36	24♏45	3♏36	23♏14	7♏45	27♏18	2♏55	12♏37	20♏33	2♏7	1♏33	9♏57	21♏17					
D 2	2 46 25	9°54'21	4♏31	26°13	4°49	23°54	7°57	27°18	2°55	12°38	20°34	2°6	1°30	10°4	21°20					
M 3	2 50 22	10°54'25	16°23	27°41	6°1	24°33	8°9	27°19	2°54	12°38	20°36	2°5	1°27	10°11	21°23					
D 4	2 54 18	11°54'31	28°15	29°7	7°14	25°13	8°21	27°20	2°54	12°38	20°38	2°4	1°24	10°17	21°25					
F 5	2 58 15	12°54'40	10♏12	0♏33	8°27	25°53	8°33	27°20	2°54	12°39	20°40	2°D4	1°20	10°24	21°28					
S 6	3 2 11	13°54'50	22°19	1°59	9°40	26°32	8°45	27°20	2°53	12°39	20°42	2°4	1°17	10°31	21°31					
S 7	3 6 8	14°55'03	4♏40	3°24	10°54	27°12	8°56	27°21	2°53	12°40	20°44	2°5	1°14	10°38	21°34					
M 8	3 10 4	15°55'17	17°19	4°48	12°7	27°52	9°8	27°R21	2°53	12°40	20°46	2°6	1°11	10°44	21°37					
D 9	3 14 1	16°55'33	0♏20	6°11	13°20	28°32	9°19	27°21	2°53	12°40	20°48	2°7	1°8	10°51	21°40					
M10	3 17 57	17°55'52	13°46	7°33	14°33	29°12	9°31	27°20	2°52	12°41	20°50	2°8	1°5	10°58	21°43					
D11	3 21 54	18°56'12	27°36	8°55	15°47	29°51	9°42	27°20	2°52	12°42	20°52	2°R9	1°1	11°4	21°47					
F12	3 25 51	19°56'34	11♏50	10°15	17°0	0♏31	9°54	27°20	2°D52	12°42	20°54	2°9	0°58	11°11	21°50					
S 13	3 29 47	20°56'58	26°22	11°34	18°14	1°11	10°5	27°19	2°52	12°43	20°56	2°7	0°55	11°18	21°53					
S 14	3 33 44	21°57'24	11♏7	12°52	19°27	1°51	10°16	27°19	2°52	12°44	20°58	2°5	0°52	11°25	21°57					
M15	3 37 40	22°57'51	25°57	14°9	20°41	2°31	10°27	27°18	2°53	12°44	21°0	2°3	0°49	11°31	22°0					
D16	3 41 37	23°58'19	10♏45	15°23	21°55	3°11	10°38	27°17	2°53	12°45	21°2	2°0	0°45	11°38	22°4					
M17	3 45 33	24°58'49	25°23	16°36	23°9	3°51	10°49	27°16	2°53	12°46	21°4	1°57	0°42	11°45	22°7					
D18	3 49 30	25°59'20	9♏47	17°47	24°22	4°31	11°0	27°15	2°53	12°47	21°6	1°55	0°39	11°51	22°11					
F19	3 53 26	26°59'53	23°52	18°55	25°36	5°11	11°11	27°14	2°54	12°47	21°8	1°D54	0°36	11°58	22°15					
S 20	3 57 23	28°0'26	7♏38	20°1	26°50	5°51	11°22	27°13	2°54	12°48	21°10	1°54	0°33	12°5	22°18					
S 21	4 1 20	29°1'01	21°5	21°4	28°4	6°31	11°32	27°12	2°55	12°49	21°12	1°56	0°30	12°12	22°22					
M22	4 5 16	0♏1'37	4♏16	22°3	29°18	7°12	11°43	27°10	2°55	12°50	21°14	1°57	0°26	12°18	22°26					
D23	4 9 13	1°2'14	17°10	22°58	0♏32	7°52	11°54	27°8	2°56	12°51	21°16	1°59	0°23	12°25	22°30					
M24	4 13 9	2°2'52	29°52	23°49	1°46	8°32	12°4	27°7	2°56	12°52	21°19	2°R0	0°20	12°32	22°34					
D25	4 17 6	3°3'32	12♏22	24°35	3°1	9°12	12°14	27°5	2°57	12°53	21°21	1°59	0°17	12°38	22°38					
F26	4 21 2	4°4'12	24°42	25°15	4°15	9°52	12°24	27°3	2°58	12°54	21°23	1°57	0°14	12°45	22°42					
S 27	4 24 59	5°4'55	6♏53	25°49	5°29	10°33	12°35	27°1	2°58	12°55	21°25	1°53	0°11	12°52	22°46					
S 28	4 28 55	6°5'38	18°57	26°15	6°43	11°13	12°45	26°59	2°59	12°56	21°27	1°48	0°7	12°59	22°50					
M29	4 32 52	7°6'23	0♏54	26°34	7°58	11°53	12°55	26°57	3°0	12°58	21°30	1°41	0°4	13°5	22°54					
D30	4 36 49	8♏7'09	12♏48	26♏43	9♏12	12♏34	13♏4	26♏54	3♏1	12♏59	21♏32	1♏34	0♏1	13♏12	22♏58					

Delta T = 64.89 sec.

DEZEMBER 2004

00:00 UT = 1:00 MEZ

Tag	Sternz.	☉	☽	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
M 1	4 40 45	9♏7'57	24♏39	26°R43	10♏26	13♏14	13♏14	26♏52	3♏2	13♏0	21♏34	1♏27	29♏58	13♏19	23♏3					
D 2	4 44 42	10°8'46	6♏31	26♏33	11°41	13°54	13°24	26°50	3°3	13°1	21°36	1°21	29°55	13°25	23°7					
F 3	4 48 38	11°9'36	18°27	26°12	12°55	14°35	13°33	26°47	3°4	13°3	21°38	1°17	29°51	13°32	23°11					
S 4	4 52 35	12°10'27	0♏30	25°40	14°10	15°15	13°43	26°44	3°5	13°4	21°41	1°14	29°48	13°39	23°16					
S 5	4 56 31	13°11'20	12°46	24°57	15°24	15°56	13°52	26°41	3°6	13°5	21°43	1°D13	29°45	13°46	23°20					
M 6	5 0 28	14°12'14	25°19	24°2	16°39	16°37	14°1	26°39	3°7	13°7	21°45	1°14	29°42	13°52	23°25					
D 7	5 4 24	15°13'10	8♏14	22°59	17°54	17°17	14°10	26°36	3°9	13°8	21°47	1°15	29°39	13°59	23°29					
M 8	5 8 21	16°14'06	21°35	21°47	19°8	17°58	14°19	26°32	3°10	13°9	21°50	1°17	29°36	14°6	23°34					
D 9	5 12 18	17°15'04	5♏24	20°28	20°23	18°38	14°28	26°29	3°11	13°11	21°52	1°R17	29°32	14°12	23°38					
F10	5 16 14	18°16'04	19°41	19°6	21°38	19°19	14°37	26°26	3°13	13°12	21°54	1°15	29°29	14°19	23°43					
S 11	5 20 11	19°17'04	4♏23	17°43	22°52	20°0	14°46	26°23	3°14	13°14	21°56	1°12	29°26	14°26	23°48					
S 12	5 24 7	20°18'05	19°26	16°22	24°7	20°40	14°54	26°19	3°16	13°15	21°59	1°6	29°23	14°33	23°53					
M13	5 28 4	21°19'07	4♏38	15°5	25°22	21°21	15°3	26°16	3°17	13°17	22°1	0°58	29°20	14°39	23°57					
D14	5 32 0	22°20'10	19°51	13°56	26°37	22°2	15°11	26°12	3°19	13°18	22°3	0°50	29°17	14°46	24°2					
M15	5 35 57	23°21'14	4♏53	12°54	27°52	22°43	15°19	26°8	3°20	13°20	22°5	0°42	29°13	14°53	24°7					
D16	5 39 54	24°22'18	19°35	12°3	29°6	23°24	15°27	26°5	3°22	13°22	22°8	0°35	29°10	15°0	24°12					
F17	5 43 50	25°23'22	3♏53	11°23	0♏21	24°5	15°35	26°1	3°24	13°23	22°10	0°31	29°7	15°6	24°17					
S 18	5 47 47	26°24'26	17°45	10°54	1°36	24°45	15°43	25°57	3°25	13°25	22°12	0°29	29°4	15°13	24°22					
S 19	5 51 43	27°25'31	1°Y11	10°35	2°51	25°26	15°51	25°53	3°27	13°27	22°15	0°D29	29°1	15°20	24°27					
M20	5 55 40	28°26'36	14°13	10°D27	4°6	26°7	15°58	25°49	3°29	13°28	22°17	0°29	28°57	15°26	24°31					
D21	5 59 36	29°27'41	26°56	10°30	5°21	26°48	16°5	25°45	3°31	13°30	22°19	0°R30	28°54	15°33	24°36					
M22	6 3 33	0♏28'47	9♏23	10°41	6°36	27°29	16°13	25°41	3°33	13°32	22°21	0°30	28°51	15°40	24°41					
D23	6 7 29	1°29'53	21°39	11°1	7°51	28°10	16°20	25°36	3°35	13°34	22°24	0°27	28°48	15°47	24°47					
F24	6 11 26	2°30'59	3♏45	11°29	9°6	28°51	16°27	25°32	3°37	13°36	22°26	0°22	28°45	15°53	24°52					
S 25	6 15 23	3°32'05	15°46	12°3	10°21	29°32	16°34	25°28	3°39	13°37	22°28	0°14	28°42	16°0	24°57					
S 26	6 19 19	4°33'12	27°42	12°44	11°36	0♏14	16°40	25°23	3°41	13°39	22°30	0°4	28°38	16°7	25°2					
M27	6 23 16	5°34'19	9♏36	13°30	12°51	0°55	16°47	25°19	3°43	13°41	22°32	29°Y51	28°35	16°13	25°7					
D28	6 27 12	6°35'26	21°28	14°21	14°6	1°36	16°53	25°14	3°46	13°43	22°35	29°38	28°32	16°20	25°12					
M29	6 31 9	7°36'34	3♏21	15°17	15°21	2°17	16°59	25°10	3°48	13°45	22°37	29°25	28°29	16°27	25°17					
D30	6 35 5	8°37'42	15°15	16°16	16°36	2°58	17°6	25°5	3°50	13°47	22°39	29°13	28°26	16°34	25°22					
F 31	6 39 2	9♏38'50	27♏13	17♏18	17♏51	3♏40	17♏11	25♏1	3♏52	13♏49	22♏41	29°Y3	28°Y23	16♏40	25♏28					

Delta T = 64.94 sec.

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