

SWISS EPHEMERIS for the year 1447

JANUARY 1447 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	7 15 8	19°38'37	4°56' 6	11°35'35	25°27'22	27°22'21	25°17'47	12°R26	0°R23	21°R24	28°R54	20°R27	20°Y12	22°II43	13°R58
M 2	7 19 4	20°19'42	16° 4	13°11' 0	26°37' 0	28° 8	25°R47	12°Q22	0°Q21	21°R23	28°Q52	20°Y12	20° 9	22°50	13°R57
T 3	7 23 1	21°20'46	28° 8	14°48' 0	27°52' 0	28°55' 0	25°47' 0	12°17' 0	0°18' 0	21°23' 0	28°51' 0	19°57' 0	20° 6	22°57' 0	13°57' 0
W 4	7 26 57	22°21'50	10°Q19	16°25' 0	29° 7	29°42' 0	25°47' 0	12°13' 0	0°16' 0	21°22' 0	28°50' 0	19°43' 0	20° 3	23° 3	13°56' 0
T 5	7 30 54	23°22'53	22°38' 0	18° 3	0°K22	0°K28	25°46' 0	12° 8	0°14' 0	21°21' 0	28°48' 0	19°31' 0	20° 0	23°10' 0	13°55' 0
F 6	7 34 50	24°23'55	5°M 6	19°41' 0	1°37' 0	1°15' 0	25°46' 0	12° 4	0°11' 0	21°20' 0	28°47' 0	19°21' 0	19°56' 0	23°17' 0	13°55' 0
S 7	7 38 47	25°24'57	17°44' 0	21°20' 0	2°51' 0	2° 2	25°45' 0	11°59' 0	0° 9	21°20' 0	28°45' 0	19°15' 0	19°53' 0	23°23' 0	13°54' 0
S 8	7 42 43	26°25'58	0°A34	23° 0	4° 6	2°48' 0	25°44' 0	11°55' 0	0° 7	21°19' 0	28°44' 0	19°12' 0	19°50' 0	23°30' 0	13°54' 0
M 9	7 46 40	27°26'58	13°40' 0	24°40' 0	5°21' 0	3°35' 0	25°42' 0	11°50' 0	0° 5	21°18' 0	28°43' 0	19°11' 0	19°47' 0	23°37' 0	13°54' 0
T 10	7 50 37	28°27'58	27° 4	26°21' 0	6°36' 0	4°22' 0	25°41' 0	11°45' 0	0° 2	21°17' 0	28°41' 0	19°11' 0	19°44' 0	23°44' 0	13°53' 0
W 11	7 54 33	29°28'57	10°M49	28° 2	7°51' 0	5° 8	25°39' 0	11°41' 0	0° 0	21°16' 0	28°40' 0	19°11' 0	19°41' 0	23°50' 0	13°53' 0
T 12	7 58 30	0°A29'56	24°55' 0	29°44' 0	9° 6	5°55' 0	25°37' 0	11°36' 0	29°II58	21°16' 0	28°39' 0	19° 9	19°37' 0	23°57' 0	13°53' 0
F 13	8 2 26	1°30'54	9°A24	1°A27	10°21' 0	6°41' 0	25°35' 0	11°31' 0	29°56' 0	21°15' 0	28°37' 0	19° 4	19°34' 0	24° 4	13°D53
S 14	8 6 23	2°31'52	24°11' 0	3°11' 0	11°36' 0	7°28' 0	25°33' 0	11°26' 0	29°54' 0	21°14' 0	28°36' 0	18°57' 0	19°31' 0	24°10' 0	13°53' 0
S 15	8 10 19	3°32'48	9°B10	4°55' 0	12°51' 0	8°14' 0	25°31' 0	11°22' 0	29°52' 0	21°13' 0	28°35' 0	18°48' 0	19°28' 0	24°17' 0	13°53' 0
M 16	8 14 16	4°33'44	24°14' 0	6°40' 0	14° 6	9° 1	25°28' 0	11°17' 0	29°50' 0	21°12' 0	28°33' 0	18°37' 0	19°25' 0	24°24' 0	13°53' 0
T 17	8 18 13	5°34'38	9°A11	8°25' 0	15°20' 0	9°47' 0	25°25' 0	11°12' 0	29°48' 0	21°11' 0	28°32' 0	18°25' 0	19°21' 0	24°31' 0	13°53' 0
W 18	8 22 9	6°35'32	23°52' 0	10°11' 0	16°35' 0	10°34' 0	25°22' 0	11° 7	29°46' 0	21°10' 0	28°30' 0	18°15' 0	19°18' 0	24°37' 0	13°54' 0
T 19	8 26 6	7°36'23	8°K11	11°58' 0	17°50' 0	11°20' 0	25°19' 0	11° 2	29°44' 0	21° 9	28°29' 0	18° 7	19°15' 0	24°44' 0	13°54' 0
F 20	8 30 2	8°37'14	22° 2	13°45' 0	19° 5	12° 7	25°16' 0	10°57' 0	29°42' 0	21° 8	28°28' 0	18° 1	19°12' 0	24°51' 0	13°54' 0
S 21	8 33 59	9°38'03	5°Y24	15°33' 0	20°20' 0	12°53' 0	25°12' 0	10°52' 0	29°40' 0	21° 6	28°26' 0	17°59' 0	19° 9	24°57' 0	13°55' 0
S 22	8 37 55	10°38'50	18°19' 0	17°21' 0	21°35' 0	13°39' 0	25° 8	10°48' 0	29°39' 0	21° 5	28°25' 0	17°D58	19° 6	25° 4	13°55' 0
M 23	8 41 52	11°39'36	0°B51	19°10' 0	22°50' 0	14°26' 0	25° 5	10°43' 0	29°37' 0	21° 4	28°24' 0	17°58' 0	19° 2	25°11' 0	13°56' 0
T 24	8 45 48	12°40'21	13° 5	20°58' 0	24° 5	15°12' 0	25° 1	10°38' 0	29°35' 0	21° 3	28°22' 0	17°R59	18°59' 0	25°18' 0	13°57' 0
W 25	8 49 45	13°41'03	25° 6	22°47' 0	25°20' 0	15°58' 0	24°56' 0	10°33' 0	29°34' 0	21° 2	28°21' 0	17°58' 0	18°56' 0	25°24' 0	13°58' 0
T 26	8 53 42	14°41'44	6°II59	24°36' 0	26°34' 0	16°44' 0	24°52' 0	10°28' 0	29°32' 0	21° 0	28°20' 0	17°55' 0	18°53' 0	25°31' 0	13°58' 0
F 27	8 57 38	15°42'24	18°48' 0	26°24' 0	27°49' 0	17°31' 0	24°47' 0	10°23' 0	29°30' 0	20°59' 0	28°18' 0	17°50' 0	18°50' 0	25°38' 0	13°59' 0
S 28	9 1 35	16°43'02	0°E40	28°12' 0	29° 4	18°17' 0	24°43' 0	10°18' 0	29°29' 0	20°58' 0	28°17' 0	17°42' 0	18°47' 0	25°44' 0	14° 0
S 29	9 5 31	17°43'38	12°36' 0	29°59' 0	0°A19	19° 3	24°38' 0	10°13' 0	29°27' 0	20°57' 0	28°16' 0	17°33' 0	18°43' 0	25°51' 0	14° 1
M 30	9 9 28	18°44'13	24°40' 0	1°K46	1°34' 0	19°49' 0	24°33' 0	10° 9	29°26' 0	20°55' 0	28°15' 0	17°21' 0	18°40' 0	25°58' 0	14° 2
T 31	9 13 24	19°44'45	6°Q53	3°K31	2°A49	20°K35	24°M28	10°Q 4	29°II24	20°M54	28°Q13	17°Y10	18°Y37	26°II 4	14°B 3

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	22s 7	28n14	4n47	24s34	1s34	22s53	0n33	13s22	1s 0	2n57	1n23	18n 6	1n 1	23n48	0n17	4n36	1n17	25n16	4n56	8n 1	7n55	27n52	13n33	2s39
M 2	21 58	27 29	4 58	24 29	1 38	22 58	0 30	13 5	1 0	2 57	1 23	18 7	1 1	23 48	0 17	4 36	1 17	25 16	4 56	7 55	7 54	27 53	13 33	2 39
T 3	21 49	25 26	4 56	24 23	1 42	23 2	0 28	12 49	0 59	2 57	1 23	18 8	1 1	23 48	0 17	4 37	1 17	25 17	4 56	7 49	7 53	27 54	13 33	2 39
W 4	21 39	22 12	4 40	24 15	1 46	23 5	0 25	12 32	0 58	2 58	1 24	18 10	1 1	23 48	0 17	4 37	1 17	25 17	4 56	7 44	7 52	27 55	13 32	2 39
T 5	21 29	17 58	4 11	24 6	1 49	23 8	0 22	12 14	0 58	2 58	1 24	18 11	1 1	23 48	0 17	4 37	1 17	25 17	4 56	7 39	7 50	27 55	13 32	2 39
F 6	21 18	12 56	3 30	23 55	1 52	23 10	0 20	11 57	0 57	2 59	1 24	18 13	1 1	23 48	0 17	4 38	1 17	25 18	4 56	7 36	7 49	27 56	13 32	2 39
S 7	21 7	7 17	2 38	23 42	1 55	23 12	0 17	11 40	0 57	2 59	1 25	18 14	1 2	23 48	0 17	4 38	1 17	25 18	4 56	7 34	7 48	27 57	13 32	2 39
S 8	20 56	1 15	1 37	23 28	1 57	23 13	0 14	11 22	0 56	3 0	1 25	18 15	1 2	23 48	0 17	4 38	1 17	25 18	4 56	7 32	7 47	27 58	13 32	2 39
M 9	20 44	4s58	0 29	23 13	1 59	23 13	0 12	11 5	0 55	3 1	1 25	18 17	1 2	23 48	0 17	4 39	1 18	25 19	4 56	7 32	7 46	27 58	13 32	2 39
T 10	20 32	11 6	0s42	22 56	2 1	23 12	0 9	10 47	0 55	3 2	1 25	18 18	1 2	23 48	0 17	4 39	1 18	25 19	4 57	7 32	7 44	27 59	13 32	2 38
W 11	20 19	16 53	1 52	22 37	2 3	23 10	0 6	10 30	0 54	3 3	1 26	18 20	1 2	23 48	0 17	4 39	1 18	25 20	4 57	7 32	7 43	28 0	13 32	2 38
T 12	20 6	21 55	2 57	22 17	2 3	23 8	0 4	10 12	0 53	3 4	1 26	18 21	1 2	23 48	0 17	4 40	1 18	25 20	4 57	7 31	7 42	28 1	13 32	2 38
F 13	19 53	25 45	3 52	21 55	2 4	23 5	0 1	9 54	0 53	3 5	1 26	18 23	1 2	23 48	0 17	4 40	1 18	25 20	4 57	7 29	7 41	28 1	13 32	2 38
S 14	19 39	27 56	4 34	21 31	2 4	23 2	0s 2	9 36	0 52	3 6	1 27	18 24	1 2	23 48	0 17	4 41	1 18	25 21	4 57	7 27	7 40	28 2	13 32	2 38
S 15	19 25	28 8	4 57	21 6	2 4	22 58	0 4	9 18	0 51	3 7	1 27	18 26	1 3	23 48	0 17	4 41	1 18	25 21	4 57	7 23	7 38	28 3	13 32	2 38
M 16	19 11	26 15	4 59	20 39	2 3	22 53	0 7	9 0	0 51	3 8	1 27	18 27	1 3	23 48	0 17	4 42	1 18	25 21	4 57	7 19	7 37	28 3	13 33	2 38
T 17	18 56	22 32	4 42	20 11	2 2	22 47	0 9	8 42	0 50	3 10	1 27	18 28	1 3	23 48	0 17	4 42	1 18	25 22	4 57	7 15	7 36	28 4	13 33	2 38
W 18	18 41	17 28	4 5	19 40	2 0	22 41	0 12	8 23	0 49	3 11	1 28	18 30	1 3	23 48	0 17	4 42	1 18	25 22	4 57	7 11	7 35	28 5	13 33	2 38
T 19	18 26	11 32	3 14	19 9	1 58	22 34	0 14	8 5	0 49	3 13	1 28	18 31	1 3	23 48	0 17	4 43	1 18	25 22	4 57	7 8	7 34	28 5	13 33	2 38
F 20	18 10	5 13	2 13	18 35	1 55	22 26	0 17	7 47	0 48	3 14	1 28	18 33	1 3	23 48	0 17	4 43	1 18	25 23	4 57	7 5	7 32	28 6	13 33	2 38
S 21	17 54	1n 8	1 6	18 0	1 52	22 17	0 19	7 28	0 47	3 16	1 28	18 34	1 3	23 48	0 17	4 44	1 18	25 23	4 57	7 4	7 31	28 7	13 33	2 38
S 22	17 37	7 14	0n 2	17 24	1 48	22 8	0 22	7 10	0 47	3 18	1 29	18 36	1 3	23 48	0 17	4 44	1 18	25 23	4 57	7 4	7 30	28 7	13 34	2 37
M 23	17 20	12 52	1 8	16 46	1 44	21 59	0 24	6 51	0 46	3 19	1 29	18 37	1 3	23 48	0 17	4 45	1 18	25 24	4 57	7 4	7 29	28 8	13 34	2 37
T 24	17 3	17 52	2 10	16 6	1 39	21 48	0 27	6 33	0 45	3 21	1 29	18 39	1 3	23 48	0 17	4 45	1 18	25 24	4 57	7 4	7 27	28 8	13 34	2 37
W 25	16 46	22 4	3 4	15 25	1 33	21 37	0 29	6 14	0 44															

SWISS EPHEMERIS for the year 1447

FEBRUARY 1447 JC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	9 17 21	20 ⁴⁵ 17	19 ⁰¹ 17	5 ¹⁴ 14	4 ⁴⁴ 4	21 ¹¹ 21	24 ⁰² 22	9 ⁰⁵ 59	29 ⁰² 23	20 ⁰⁵ 53	28 ⁰¹ 12	16 ⁰⁵ 59	18 ⁰³ 34	26 ¹¹ 11	14 ⁰⁸ 5
T 2	9 21 17	21 ⁴⁵ 46	1 ⁰⁹ 51	6 ⁰⁵ 54	5 ⁰⁵ 18	22 ⁰² 7	24 ⁰¹ 17	9 ⁰⁵ 54	29 ⁰² 22	20 ⁰⁵ 51	28 ⁰¹ 11	16 ⁰⁵ 50	18 ⁰³ 31	26 ¹¹ 18	14 ⁰⁸ 6
F 3	9 25 14	22 ⁴⁶ 14	14 ⁰³ 37	8 ⁰³ 32	6 ⁰³ 33	22 ⁰⁵ 53	24 ⁰¹ 11	9 ⁰⁵ 50	29 ⁰² 21	20 ⁰⁵ 50	28 ⁰¹ 10	16 ⁰⁵ 43	18 ⁰² 27	26 ¹² 25	14 ⁰⁸ 7
S 4	9 29 11	23 ⁴⁶ 41	27 ⁰³ 33	10 ⁰⁷ 7	7 ⁰⁴ 8	23 ⁰³ 39	24 ⁰⁵ 5	9 ⁰⁴ 55	29 ⁰¹ 19	20 ⁰⁴ 48	28 ⁰⁸ 8	16 ⁰³ 39	18 ⁰² 24	26 ⁰³ 31	14 ⁰⁹ 9
S 5	9 33 7	24 ⁴⁷ 05	10 ⁰⁴ 41	11 ⁰³ 38	9 ⁰³ 3	24 ⁰² 25	24 ⁰⁰ 0	9 ⁰⁴ 00	29 ⁰¹ 18	20 ⁰⁴ 47	28 ⁰⁷ 7	16 ⁰³ 37	18 ⁰² 21	26 ⁰³ 38	14 ¹⁰ 10
M 6	9 37 4	25 ⁴⁷ 29	24 ⁰¹ 1	13 ⁰⁵ 5	10 ⁰¹ 8	25 ⁰¹ 10	23 ⁰⁵ 4	9 ⁰³ 36	29 ⁰¹ 17	20 ⁰⁴ 45	28 ⁰⁶ 6	16 ⁰³ 37	18 ⁰¹ 18	26 ⁰⁴ 45	14 ¹⁰ 12
T 7	9 41 0	26 ⁴⁷ 51	7 ⁰¹ 33	14 ⁰² 26	11 ⁰³ 32	25 ⁰⁵ 56	23 ⁰⁴ 7	9 ⁰³ 31	29 ⁰¹ 16	20 ⁰⁴ 44	28 ⁰⁵ 5	16 ⁰³ 38	18 ⁰¹ 15	26 ⁰⁵ 51	14 ¹⁰ 13
W 8	9 44 57	27 ⁴⁸ 12	21 ⁰¹ 19	15 ⁰⁴ 2	12 ⁰⁴ 7	26 ⁰⁴ 2	23 ⁰⁴ 1	9 ⁰² 27	29 ⁰¹ 15	20 ⁰⁴ 42	28 ⁰⁴ 4	16 ⁰³ 39	18 ⁰¹ 12	26 ⁰⁵ 58	14 ¹⁰ 15
T 9	9 48 53	28 ⁴⁸ 31	5 ⁰¹ 19	16 ⁰⁵ 1	14 ⁰² 2	27 ⁰² 28	23 ⁰³ 5	9 ⁰² 22	29 ⁰¹ 14	20 ⁰⁴ 41	28 ⁰² 2	16 ⁰³ 39	18 ⁰⁰ 8	27 ⁰⁵ 5	14 ¹⁰ 17
F 10	9 52 50	29 ⁴⁸ 49	19 ⁰³ 33	17 ⁰⁵ 4	15 ⁰¹ 7	28 ⁰¹ 3	23 ⁰² 8	9 ⁰¹ 18	29 ⁰¹ 13	20 ⁰³ 39	28 ⁰¹ 1	16 ⁰³ 37	18 ⁰⁰ 5	27 ⁰¹ 12	14 ¹⁰ 19
S 11	9 56 46	0 ⁴⁹ 06	3 ⁰³ 58	18 ⁰⁴ 9	16 ⁰³ 2	28 ⁰⁵ 9	23 ⁰² 2	9 ⁰¹ 13	29 ⁰¹ 12	20 ⁰³ 38	28 ⁰⁰ 0	16 ⁰³ 33	18 ⁰⁰ 2	27 ⁰¹ 18	14 ¹⁰ 21
S 12	10 0 43	1 ⁴⁹ 21	18 ⁰³ 2	19 ⁰³ 6	17 ⁰⁴ 6	29 ⁰⁴ 5	23 ⁰¹ 5	9 ⁰⁰ 9	29 ⁰¹ 11	20 ⁰³ 36	27 ⁰⁵ 9	16 ⁰² 28	17 ⁰⁵ 9	27 ⁰² 25	14 ¹⁰ 22
M13	10 4 40	2 ⁴⁹ 34	3 ⁰³ 8	20 ⁰¹ 4	19 ⁰¹ 1	0 ⁰¹ 30	23 ⁰⁸ 8	9 ⁰⁰ 5	29 ⁰¹ 11	20 ⁰³ 35	27 ⁰⁵ 8	16 ⁰² 21	17 ⁰⁵ 6	27 ⁰³ 32	14 ¹⁰ 24
T 14	10 8 36	3 ⁴⁹ 46	17 ⁰⁴ 0	20 ⁰⁴ 3	20 ⁰¹ 6	1 ⁰¹ 16	23 ⁰¹ 1	9 ⁰⁰ 0	29 ⁰¹ 10	20 ⁰³ 33	27 ⁰⁵ 7	16 ⁰¹ 14	17 ⁰⁵ 3	27 ⁰³ 38	14 ¹⁰ 26
W15	10 12 33	4 ⁴⁹ 56	2 ⁰¹ 2	21 ⁰⁴ 4	21 ⁰³ 1	2 ⁰¹ 22	23 ⁰⁵ 4	8 ⁰⁵ 6	29 ⁰⁰ 9	20 ⁰³ 32	27 ⁰⁵ 6	16 ⁰⁰ 8	17 ⁰⁴ 9	27 ⁰⁴ 45	14 ¹⁰ 29
T 16	10 16 29	5 ⁵⁰ 04	16 ⁰⁶ 6	21 ⁰¹ 4	22 ⁰⁴ 5	2 ⁰⁴ 7	22 ⁰⁴ 7	8 ⁰⁵ 2	29 ⁰⁰ 9	20 ⁰³ 30	27 ⁰⁵ 5	16 ⁰⁰ 3	17 ⁰⁴ 6	27 ⁰⁵ 2	14 ¹⁰ 31
F 17	10 20 26	6 ⁵⁰ 10	29 ⁰⁴ 9	21 ⁰¹ 16	24 ⁰⁰ 0	3 ⁰³ 2	22 ⁰⁴ 0	8 ⁰⁴ 8	29 ⁰⁰ 8	20 ⁰² 28	27 ⁰⁵ 4	16 ⁰⁰ 0	17 ⁰⁴ 3	27 ⁰⁵ 9	14 ¹⁰ 33
S 18	10 24 22	7 ⁵⁰ 14	13 ⁰¹ 9	21 ⁰⁸ 8	25 ⁰¹ 5	4 ⁰¹ 7	22 ⁰³ 3	8 ⁰⁴ 4	29 ⁰⁰ 8	20 ⁰² 27	27 ⁰⁵ 3	15 ⁰⁰ D58	17 ⁰⁴ 0	28 ⁰⁵ 5	14 ¹⁰ 35
S 19	10 28 19	8 ⁵⁰ 15	26 ⁰⁶ 9	20 ⁰⁵ 2	26 ⁰³ 0	5 ⁰³ 3	22 ⁰² 5	8 ⁰⁴ 0	29 ⁰⁰ 7	20 ⁰² 25	27 ⁰⁵ 2	15 ⁰⁰ 59	17 ⁰³ 7	28 ⁰¹ 2	14 ¹⁰ 38
M20	10 32 15	9 ⁵⁰ 15	8 ⁰⁴ 1	20 ⁰² 7	27 ⁰⁴ 4	5 ⁰⁴ 8	22 ⁰¹ 8	8 ⁰³ 6	29 ⁰⁰ 7	20 ⁰² 24	27 ⁰⁵ 1	16 ⁰⁰ 0	17 ⁰³ 3	28 ⁰¹ 9	14 ¹⁰ 40
T 21	10 36 12	10 ⁵⁰ 13	20 ⁰⁵ 9	19 ⁰⁵ 5	28 ⁰⁵ 9	6 ⁰³ 3	22 ⁰¹ 0	8 ⁰³ 3	29 ⁰⁰ 6	20 ⁰² 22	27 ⁰⁵ 0	16 ⁰⁰ 2	17 ⁰³ 0	28 ⁰² 5	14 ¹⁰ 42
W22	10 40 9	11 ⁵⁰ 08	3 ⁰¹ 3	19 ⁰¹ 5	0 ⁰¹ 14	7 ⁰¹ 8	22 ⁰³ 3	8 ⁰² 9	29 ⁰⁰ 6	20 ⁰² 20	27 ⁰⁴ 9	16 ⁰⁰ 3	17 ⁰² 7	28 ⁰³ 2	14 ¹⁰ 45
T 23	10 44 5	12 ⁵⁰ 02	14 ⁰⁵ 8	18 ⁰³ 0	1 ⁰² 8	8 ⁰³ 3	21 ⁰⁵ 5	8 ⁰² 5	29 ⁰⁰ 6	20 ⁰¹ 19	27 ⁰⁴ 8	16 ⁰⁰ R 4	17 ⁰² 4	28 ⁰³ 9	14 ¹⁰ 48
F 24	10 48 2	13 ⁴⁹ 53	2 ⁰⁵ 0	17 ⁰³ 9	2 ⁰⁴ 3	8 ⁰⁴ 9	21 ⁰⁴ 8	8 ⁰² 2	29 ⁰⁰ 6	20 ⁰¹ 17	27 ⁰⁴ 7	16 ⁰⁰ 3	17 ⁰² 1	28 ⁰⁴ 6	14 ¹⁰ 50
S 25	10 51 58	14 ⁴⁹ 42	8 ⁰⁴ 3	16 ⁰⁴ 6	3 ⁰⁵ 8	9 ⁰³ 4	21 ⁰⁴ 0	8 ⁰¹ 8	29 ⁰⁰ 6	20 ⁰¹ 15	27 ⁰⁴ 6	16 ⁰⁰ 0	17 ⁰¹ 8	28 ⁰⁵ 2	14 ¹⁰ 53
S 26	10 55 55	15 ⁴⁹ 28	20 ⁰⁴ 2	15 ⁰⁴ 9	5 ⁰¹ 2	10 ⁰¹ 9	21 ⁰³ 2	8 ⁰¹ 5	29 ⁰⁰ 5	20 ⁰¹ 14	27 ⁰⁴ 5	15 ⁰⁰ 56	17 ⁰¹ 4	28 ⁰⁵ 9	14 ¹⁰ 56
M27	10 59 51	16 ⁴⁹ 12	2 ⁰¹ 50	14 ⁰⁵ 2	6 ⁰² 7	11 ⁰⁴ 4	21 ⁰² 5	8 ⁰¹ 2	29 ⁰⁰ D 5	20 ⁰¹ 12	27 ⁰⁴ 5	15 ⁰⁰ 52	17 ⁰¹ 1	29 ⁰⁶ 6	14 ¹⁰ 58
T 28	11 3 48	17 ⁴⁸ 55	15 ⁰¹ 10	13 ⁰⁵ 5	7 ⁰⁴ 2	11 ⁰¹ 48	21 ⁰¹ 7	8 ⁰¹ 9	29 ⁰⁰ II 5	20 ⁰¹ 10	27 ⁰⁴ 44	15 ⁰⁰ Y 47	17 ⁰⁰ 8	29 ⁰¹ 13	15 ⁰⁰ 8 1

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
W 1	14s37	19n 9	4n17	10s 8	0s33	20s 2	0s45	4s 3	0s40	3n38	1n31	18n50	1n 4	23n47	0n17	4n50	1n18	25n26	4n58	6n42	7n18	28n13	13n37	2s37
T 2	14 18 14	12 3 36	9 21	0 22	19 46	0 47	3 44	0 39	3 40	1 31	18 51	1 4	23 47	0 17	4 50	1 18	25 27	4 58	6 38	7 17	28 14	13 38	2 37	
F 3	13 58 8	35 2 43	8 33	0 10	19 29	0 49	3 25	0 38	3 43	1 31	18 53	1 4	23 47	0 17	4 51	1 19	25 27	4 58	6 35	7 15	28 14	13 38	2 37	
S 4	13 38 2	31 1 40	7 46	0n 2	19 12	0 51	3 6	0 38	3 45	1 32	18 54	1 4	23 47	0 17	4 51	1 19	25 27	4 58	6 34	7 14	28 15	13 39	2 36	
S 5	13 18 3s45	0 32	6 59	0 16	18 54	0 53	2 47	0 37	3 48	1 32	18 55	1 4	23 47	0 17	4 52	1 19	25 27	4 58	6 33	7 13	28 15	13 39	2 36	
M 6	12 58 9 57	0s40	6 13	0 29	18 36	0 55	2 29	0 36	3 50	1 32	18 56	1 5	23 47	0 17	4 53	1 19	25 28	4 58	6 33	7 12	28 16	13 40	2 36	
T 7	12 37 15 48	1 50	5 29	0 43	18 17	0 57	2 10	0 35	3 53	1 32	18 58	1 5	23 47	0 17	4 53	1 19	25 28	4 58	6 33	7 11	28 16	13 40	2 36	
W 8	12 16 20 58	2 56	4 46	0 58	17 58	0 59	1 51	0 35	3 56	1 32	18 59	1 5	23 47	0 17	4 54	1 19	25 28	4 58	6 34	7 9	28 17	13 41	2 36	
T 9	11 55 25 3	3 52	4 5	1 13	17 38	1 0	1 32	0 34	3 58	1 33	19 0	1 5	23 47	0 17	4 55	1 19	25 28	4 58	6 34	7 8	28 17	13 41	2 36	
F 10	11 34 27 40	4 35	3 27	1 27	17 18	1 2	1 13	0 33	4 1	1 33	19 1	1 5	23 47	0 17	4 55	1 19	25 29	4 58	6 33	7 7	28 17	13 42	2 36	
S 11	11 13 28 28	5 1	2 52	1 42	16 57	1 4	0 54	0 33	4 4	1 33	19 3	1 5	23 47	0 17	4 56	1 19	25 29	4 58	6 32	7 6	28 18	13 43	2 36	
S 12	10 52 27 18	5 8	2 20	1 57	16 35	1 5	0 35	0 32	4 7	1 33	19 4	1 5	23 47	0 17	4 56	1 19	25 29	4 58	6 30	7 4	28 18	13 43	2 36	
M13	10 30 24 18	4 55	1 52	2 12	16 14	1 7	0 17	0 31	4 10	1 33	19 5	1 5	23 47	0 17	4 57	1 19	25 29	4 58	6 27	7 3	28 19	13 44	2 36	
T 14	10 8 19 45	4 23	1 28	2 26	15 52	1 9	0n 2	0 31	4 12	1 33	19 6	1 5	23 47	0 17	4 58	1 19	25 30	4 58	6 24	7 2	28 19	13 44	2 36	
W15	9 46 14 8	3 35	1 7	2 39	15 29	1 10	0 21	0 30	4 15	1 34	19 7	1 5	23 47	0 17	4 58	1 19	25 30	4 58	6 22	7 1	28 20	13 45	2 36	
T 16	9 24 7 53	2 35	0 51	2 51	15 6	1 11	0 40	0 29	4 18	1 34	19 9	1 5	23 47	0 17	4 59	1 19	25 30	4 58	6 20	7 0	28 20	13 46	2 36	
F 17	9 2 1 24	1 27	0 40	3 13	14 42	1 13	0 58	0 28	4 21	1 34	19 10	1 5	23 47	0 17	5 0	1 19	25 30	4 58	6 19	6 58	28 21	13 47	2 36	
S 18	8 39 4n58	0 15	0 34	3 13	14 18	1 14	1 17	0 28	4 24	1 34	19 11	1 5	23 47	0 17	5 0	1 19	25 30	4 58	6 18	6 57	28 21	13 47	2 35	
S 19	8 17 10 58	0n55	0 32	3 22	13 54	1 15	1 36	0 27	4 27	1 34	19 12	1 5	23 47	0 17	5 1	1 19	25 31	4 58	6 18	6 56	28 21	13 48	2 35	
M20	7 54 16 21	2 1	0 35	3 29	13 29	1 16	1 54	0 26	4 30	1 34	19 13	1 5	23 47	0 17	5 2	1 19	25 31	4 58	6 19	6 55	28 22	13 49	2 35	
T 21	7 32 20 56	2 59	0 43	3 35	13 4	1 18	2 13	0 26	4 33															

SWISS EPHEMERIS for the year 1447

MARCH 1447 JC

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♂
W 1	11 7 44	18°48'34	27°04'44	12°R59	8°X56	12°Y33	21°R 9	8°R 6	29°II 6	20°R 9	27°R43	15°R42	17°Y 5	29°II19	15°B 4
T 2	11 11 41	19°48'12	10°07'34	12°X 6	10°11	13°18	21°07 1	8°Q 3	29° 6	20°07 7	27°Q42	15°Y38	17° 2	29°26	15° 7
F 3	11 15 37	20°47'48	23°39	11°16	11°25	14° 3	20°54	8° 0	29° 6	20° 5	27°41	15°36	16°58	29°33	15°10
S 4	11 19 34	21°47'21	6°E58	10°31	12°40	14°48	20°46	7°57	29° 6	20° 4	27°41	15°34	16°55	29°39	15°13
S 5	11 23 31	22°46'53	20°31	9°50	13°54	15°32	20°38	7°54	29° 6	20° 2	27°40	15°D34	16°52	29°46	15°16
M 6	11 27 27	23°46'23	4°M15	9°15	15° 9	16°17	20°30	7°51	29° 7	20° 0	27°39	15°35	16°49	29°53	15°19
T 7	11 31 24	24°45'51	18° 8	8°45	16°24	17° 1	20°22	7°49	29° 7	19°59	27°39	15°36	16°46	29°59	15°22
W 8	11 35 20	25°45'17	2°X10	8°21	17°38	17°46	20°15	7°46	29° 8	19°57	27°38	15°38	16°43	0°E 6	15°26
T 9	11 39 17	26°44'41	16°17	8° 3	18°53	18°30	20° 7	7°44	29° 8	19°56	27°37	15°39	16°39	0°13	15°29
F 10	11 43 13	27°44'04	0°E29	7°52	20° 7	19°15	19°59	7°42	29° 9	19°54	27°37	15°R39	16°36	0°20	15°32
S 11	11 47 10	28°43'25	14°42	7°46	21°22	19°59	19°52	7°39	29° 9	19°52	27°36	15°38	16°33	0°26	15°35
S 12	11 51 6	29°42'44	28°55	7°D46	22°36	20°44	19°44	7°37	29°10	19°51	27°36	15°37	16°30	0°33	15°39
M13	11 55 3	0°Y42'01	13°A 4	7°51	23°51	21°28	19°37	7°35	29°11	19°49	27°35	15°35	16°27	0°40	15°42
T 14	11 59 0	1°41'17	27° 7	8° 2	25° 5	22°12	19°29	7°34	29°12	19°47	27°35	15°33	16°24	0°47	15°46
W15	12 2 56	2°40'30	10°X59	8°18	26°19	22°56	19°22	7°32	29°12	19°46	27°34	15°32	16°20	0°53	15°49
T 16	12 6 53	3°39'42	24°39	8°39	27°34	23°40	19°14	7°30	29°13	19°44	27°34	15°30	16°17	1° 0	15°53
F 17	12 10 49	4°38'51	8°Y 2	9° 5	28°48	24°25	19° 7	7°29	29°14	19°43	27°33	15°30	16°14	1° 7	15°56
S 18	12 14 46	5°37'58	21° 9	9°35	0°Y 3	25° 9	19° 0	7°27	29°15	19°41	27°33	15°D30	16°11	1°13	16° 0
S 19	12 18 42	6°37'04	3°B57	10°10	1°17	25°53	18°53	7°26	29°16	19°39	27°33	15°30	16° 8	1°20	16° 4
M20	12 22 39	7°36'07	16°29	10°48	2°32	26°37	18°46	7°24	29°17	19°38	27°32	15°31	16° 4	1°27	16° 7
T 21	12 26 35	8°35'07	28°46	11°30	3°46	27°21	18°39	7°23	29°18	19°36	27°32	15°32	16° 1	1°34	16°11
W22	12 30 32	9°34'06	10°II51	12°16	5° 0	28° 4	18°32	7°22	29°20	19°35	27°32	15°32	15°58	1°40	16°15
T 23	12 34 29	10°33'03	22°48	13° 6	6°15	28°48	18°25	7°21	29°21	19°33	27°31	15°33	15°55	1°47	16°19
F 24	12 38 25	11°31'57	4°E41	13°58	7°29	29°32	18°18	7°21	29°22	19°32	27°31	15°33	15°52	1°54	16°23
S 25	12 42 22	12°30'48	16°35	14°54	8°43	0°B16	18°12	7°20	29°23	19°30	27°31	15°R33	15°49	2° 0	16°26
S 26	12 46 18	13°29'38	28°34	15°52	9°57	0°59	18° 5	7°19	29°25	19°29	27°31	15°33	15°45	2° 7	16°30
M27	12 50 15	14°28'25	10°Q43	16°54	11°12	1°43	17°59	7°19	29°26	19°27	27°31	15°33	15°42	2°14	16°34
T 28	12 54 11	15°27'10	23° 5	17°58	12°26	2°26	17°53	7°18	29°28	19°26	27°31	15°D33	15°39	2°21	16°38
W29	12 58 8	16°25'53	5°M45	19° 4	13°40	3°10	17°46	7°18	29°29	19°24	27°30	15°33	15°36	2°27	16°42
T 30	13 2 4	17°24'33	18°44	20°13	14°54	3°53	17°40	7°18	29°31	19°23	27°30	15°33	15°33	2°34	16°46
F 31	13 6 1	18°Y23'11	2°E 4	21°X25	16°Y 9	4°B37	17°035	7°D18	29°II33	19°M21	27°E30	15°Y33	15°Y30	2°E41	16°B50

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♂										
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
W 1	4s26	15n56	3n53	3s46	3n10	9s33	1s24	4n40	0s20	4n58	1n35	19n21	1n 5	23n47	0n17	5n 8	1n19	25n32	4n57	6n12	6n44	28n25	13n56	2s35
T 2	4 3	10 24	3 0	4 17	2 59	9 5	1 25	4 58	0 19	5 1	1 35	19 22	1 5	23 47	0 17	5 8	1 19	25 32	4 57	6 10	6 43	28 25	13 57	2 35
F 3	3 40	4 20	1 57	4 47	2 47	8 37	1 25	5 16	0 19	5 4	1 35	19 23	1 5	23 47	0 17	5 9	1 19	25 32	4 57	6 9	6 41	28 25	13 58	2 35
S 4	3 16	2s 3	0 47	5 16	2 34	8 9	1 26	5 34	0 18	5 8	1 35	19 23	1 5	23 47	0 17	5 10	1 19	25 33	4 57	6 9	6 40	28 26	13 59	2 35
S 5	2 52	8 27	0s27	5 45	2 20	7 40	1 26	5 52	0 17	5 11	1 35	19 24	1 5	23 47	0 17	5 10	1 19	25 33	4 57	6 9	6 39	28 26	14 0	2 35
M 6	2 29	14 34	1 41	6 11	2 5	7 12	1 26	6 10	0 17	5 14	1 35	19 25	1 5	23 47	0 17	5 11	1 19	25 33	4 57	6 9	6 38	28 26	14 1	2 35
T 7	2 520	0 2 50	6 36	1 50	6 43	1 26	6 28	0 16	5 17	1 35	19 26	1 5	23 47	0 17	5 12	1 19	25 33	4 57	6 10	6 36	28 26	14 2	2 35	
W 8	1 42	24 24	3 49	6 59	1 35	6 14	1 27	6 45	0 15	5 20	1 35	19 26	1 5	23 47	0 17	5 12	1 19	25 33	4 57	6 10	6 35	28 27	14 3	2 35
T 9	1 18	27 22	4 35	7 20	1 20	5 45	1 27	7 3	0 15	5 23	1 35	19 27	1 5	23 47	0 17	5 13	1 19	25 33	4 57	6 11	6 34	28 27	14 4	2 35
F 10	0 54	28 35	5 4	7 39	1 5	5 15	1 27	7 21	0 14	5 26	1 35	19 27	1 5	23 47	0 17	5 13	1 19	25 33	4 57	6 11	6 33	28 27	14 5	2 34
S 11	0 31	27 55	5 15	7 55	0 50	4 46	1 27	7 38	0 13	5 29	1 35	19 28	1 5	23 47	0 17	5 14	1 19	25 33	4 57	6 10	6 32	28 27	14 6	2 34
S 12	0 7	25 27	5 7	8 9	0 35	4 16	1 27	7 55	0 12	5 32	1 35	19 28	1 5	23 47	0 17	5 15	1 19	25 33	4 57	6 10	6 30	28 28	14 7	2 34
M13	0n17	21 25	4 40	8 20	0 20	3 46	1 26	8 13	0 12	5 35	1 35	19 29	1 5	23 47	0 17	5 15	1 19	25 33	4 57	6 9	6 29	28 28	14 8	2 34
T 14	0 40	16 12	3 56	8 29	0 6	3 17	1 26	8 30	0 11	5 38	1 35	19 29	1 5	23 47	0 17	5 16	1 19	25 33	4 57	6 8	6 28	28 28	14 9	2 34
W15	1 4	10 14	1 59	8 36	0s 7	2 47	1 26	8 47	0 10	5 41	1 35	19 30	1 5	23 47	0 17	5 17	1 19	25 33	4 57	6 8	6 27	28 28	14 10	2 34
T 16	1 28	3 51	1 53	8 40	0 20	2 17	1 26	9 4	0 10	5 44	1 35	19 30	1 5	23 47	0 17	5 17	1 19	25 33	4 57	6 7	6 25	28 28	14 11	2 34
F 17	1 51	2n34	0 41	8 42	0 33	1 47	1 25	9 21	0 9	5 46	1 35	19 31	1 5	23 47	0 17	5 18	1 19	25 33	4 57	6 7	6 24	28 29	14 12	2 34
S 18	2 15	8 45	0n31	8 41	0 45	1 17	1 25	9 38	0 8	5 49	1 35	19 31	1 5	23 47	0 17	5 19	1 19	25 33	4 57	6 7	6 23	28 29	14 13	2 34
S 19	2 38	14 27	1 40	8 39	0 56	0 46	1 24	9 55	0 8	5 52	1 35	19 31	1 5	23 47	0 17	5 19	1 19	25 34	4 57	6 7	6 22	28 29	14 14	2 34
M20	3 2	19 25	2 43	8 34	1 7	0 16	1 23	10 11	0 7	5 55	1 35	19 32	1 5	23 47	0 17	5 20	1 19	25 34	4 56	6 8	6 21	28 29	14 15	2 34
T 21	3 25	23 29	3 37	8 28	1 17	0n14	1 23	10 28	0 6	5 57	1 35	19 32	1 5	23 47	0 17	5 20	1 19	25 34	4 56	6 8	6 19	28 29	14 16	2 34
W22	3 48	26 27	4 21	8 19	1 27	0 44	1 22	10 44	0 6	6 0	1 34	19 32	1 5	23 47	0 17	5 21	1 19	25 34	4 56	6 8	6 18	28 29	14 17	2 34
T 23	4 11	28 11	4 52	8 8	1 36	1 15	1 21	11 0	0 5	6 3	1 34	19 32	1 5	23 47	0 17	5 22	1 19	25 34	4 56	6 8	6 17	28 29	14 18	2 34
F 24	4 35	28 37	5 11	7 56	1 44	1 45	1 20	11 16	0 4	6 5	1 34	19 33	1 5	23 47	0 17	5 22	1 19	25 34	4 56	6 8	6 16	28 30	14 19	2 34
S 25	4 58	27 43	5 17	7 41	1 52	2 15	1 20	11 32	0 4	6 8	1 34	19 33	1 5	23 47	0 17	5 23	1 19	25 34	4 56	6 8	6 14	28 30	14 20	2 34
S 26	5 21	25 33	5 9	7 25	1 59	2 45	1 19	11 48	0 3	6 10	1 34	19 33	1 5	23 47	0 16	5 23	1 19	25 34	4 56	6 8	6 13	28 30	14 22	2 34
M27	5 43	22 12	4 47	7 7	2 6	3 15	1 18	12 4	0 2	6 12	1 34	19 33	1 5	23 47	0 16	5 24	1 19	25 33	4 56	6 8	6 12	28 30	14 23	2 34
T 28	6 6	17 49	4 11	6 48	2 12	3 45	1 16	12 20	0 2	6 15	1 34	19 33	1 5	23 47	0 16	5 24	1 19	25 33	4 56	6 8	6 11	28 30	14 24	2 34
W29	6 29	12 35	3 23	6 27	2 18	4 15	1 15	12 35	0 1	6 17	1 34	19 33	1 5	23 47										

SWISS EPHEMERIS for the year 1447

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
S 1	13 9 58	19°21'48	15°43	22°38	17°23	5°20	17°R29	7°18	29°34	19°R20	27°D30	15°R33	15°V26	2°47	16°54
S 2	13 13 54	20°20'22	29°41	23°54	18°37	6° 4	17°23	7°18	29°36	19°19	27°30	15°V33	15°23	2°54	16°58
M 3	13 17 51	21°18'54	13°15	25°12	19°51	6°47	17°18	7°18	29°38	19°17	27°30	15°33	15°20	3° 1	17° 3
T 4	13 21 47	22°17'25	28°15	26°32	21° 5	7°30	17°13	7°19	29°40	19°16	27°30	15°32	15°17	3° 8	17° 7
W 5	13 25 44	23°15'54	12°41	27°55	22°19	8°13	17° 7	7°19	29°41	19°15	27°30	15°31	15°14	3°14	17°11
T 6	13 29 40	24°14'21	27° 8	29°19	23°34	8°56	17° 2	7°20	29°43	19°13	27°31	15°30	15°10	3°21	17°15
F 7	13 33 37	25°12'47	11°30	0°Y45	24°48	9°39	16°58	7°20	29°45	19°12	27°31	15°30	15° 7	3°28	17°19
S 8	13 37 33	26°11'11	25°44	2°13	26° 2	10°22	16°53	7°21	29°47	19°11	27°31	15°D29	15° 4	3°35	17°24
S 9	13 41 30	27° 9'34	9°47	3°43	27°16	11° 5	16°48	7°22	29°49	19°10	27°31	15°30	15° 1	3°41	17°28
M10	13 45 27	28° 7'54	23°39	5°14	28°30	11°48	16°44	7°23	29°51	19° 8	27°31	15°30	14°58	3°48	17°32
T 11	13 49 23	29° 6'14	7°18	6°48	29°44	12°31	16°40	7°24	29°54	19° 7	27°31	15°31	14°55	3°55	17°36
W12	13 53 20	0° 4'31	20°44	8°23	0°58	13°14	16°36	7°25	29°56	19° 6	27°32	15°32	14°51	4° 1	17°41
T 13	13 57 16	1° 2'47	3°Y57	10° 1	2°12	13°57	16°32	7°27	29°58	19° 5	27°32	15°33	14°48	4° 8	17°45
F 14	14 1 13	2° 1'02	16°57	11°40	3°26	14°39	16°28	7°28	0° 0	19° 4	27°32	15°R34	14°45	4°15	17°50
S 15	14 5 9	2°59'14	29°43	13°21	4°40	15°22	16°24	7°30	0° 2	19° 3	27°33	15°33	14°42	4°22	17°54
S 16	14 9 6	3°57'25	12°17	15° 3	5°54	16° 5	16°21	7°31	0° 5	19° 2	27°33	15°32	14°39	4°28	17°58
M17	14 13 2	4°55'35	24°39	16°48	7° 8	16°47	16°18	7°33	0° 7	19° 0	27°33	15°29	14°35	4°35	18° 3
T 18	14 16 59	5°53'42	6°11	18°34	8°22	17°30	16°15	7°35	0°10	18°59	27°34	15°26	14°32	4°42	18° 7
W19	14 20 56	6°51'48	18°53	20°22	9°36	18°12	16°12	7°37	0°12	18°58	27°34	15°23	14°29	4°48	18°12
T 20	14 24 52	7°49'52	0°49	22°13	10°50	18°55	16° 9	7°39	0°14	18°57	27°35	15°19	14°26	4°55	18°16
F 21	14 28 49	8°47'54	12°42	24° 4	12° 4	19°37	16° 7	7°41	0°17	18°57	27°35	15°17	14°23	5° 2	18°20
S 22	14 32 45	9°45'54	24°34	25°58	13°18	20°19	16° 4	7°43	0°20	18°56	27°36	15°14	14°20	5° 9	18°25
S 23	14 36 42	10°43'52	6°12	27°54	14°32	21° 2	16° 2	7°46	0°22	18°55	27°36	15°D14	14°16	5°15	18°29
M24	14 40 38	11°41'48	18°39	29°51	15°46	21°44	16° 0	7°48	0°25	18°54	27°37	15°14	14°13	5°22	18°34
T 25	14 44 35	12°39'43	1°10	0°50	17° 0	22°26	15°58	7°51	0°27	18°53	27°38	15°15	14°10	5°29	18°38
W26	14 48 31	13°37'35	13°38	3°51	18°14	23° 8	15°57	7°53	0°30	18°52	27°38	15°16	14° 7	5°36	18°43
T 27	14 52 28	14°35'26	26°39	5°54	19°27	23°50	15°55	7°56	0°33	18°51	27°39	15°18	14° 4	5°42	18°47
F 28	14 56 25	15°33'15	10° 5	7°58	20°41	24°32	15°54	7°59	0°36	18°51	27°39	15°R19	14° 1	5°49	18°52
S 29	15 0 21	16°31'02	23°56	10° 4	21°55	25°14	15°53	8° 2	0°38	18°50	27°40	15°19	13°57	5°56	18°56
S 30	15 4 18	17°28'48	8°11	12°11	23° 9	25°56	15°52	8°15	0°41	18°49	27°41	15°V17	13°V54	6° 2	19° 1

Day	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	7n36	6s13	0s 1	5s14	2s31	5n45	1s12	13n21	0n 1	6n24	1n33	19n33	1n 5	23n47	0n16	5n27	1n19	25n33	4n56	6n 8	6n 6	28n30	14n28	2s34
S 2	7 58	12 36	1 18	4 47	2 34	6 14	1 10	13 36	0 2	6 26	1 33	19 33	1 5	23 47	0 16	5 27	1 19	25 33	4 56	6 8	6 5	28 30	14 29	2 34
M 3	8 20	18 27	2 31	4 18	2 37	6 43	1 9	13 51	0 2	6 28	1 33	19 33	1 5	23 47	0 16	5 28	1 19	25 33	4 56	6 8	6 3	28 30	14 31	2 34
T 4	8 42	23 19	3 35	3 48	2 39	7 13	1 7	14 6	0 3	6 30	1 33	19 33	1 5	23 47	0 16	5 28	1 19	25 33	4 56	6 8	6 2	28 30	14 32	2 34
W 5	9 4	26 47	4 26	3 17	2 40	7 42	1 6	14 21	0 4	6 31	1 33	19 33	1 5	23 47	0 16	5 29	1 19	25 33	4 56	6 8	6 1	28 30	14 33	2 34
T 6	9 26	28 29	5 0	2 44	2 41	8 11	1 4	14 35	0 4	6 33	1 33	19 33	1 5	23 47	0 16	5 29	1 19	25 33	4 56	6 7	6 0	28 30	14 34	2 34
F 7	9 47	28 15	5 16	2 10	2 41	8 40	1 3	14 50	0 5	6 35	1 32	19 32	1 5	23 47	0 16	5 30	1 19	25 33	4 55	6 7	5 58	28 30	14 35	2 34
S 8	10 8	26 10	5 11	1 35	2 41	9 8	1 1	15 4	0 5	6 37	1 32	19 32	1 5	23 47	0 16	5 30	1 19	25 33	4 55	6 7	5 57	28 30	14 36	2 34
S 9	10 30	22 29	4 48	0 59	2 41	9 36	0 59	15 18	0 6	6 38	1 32	19 32	1 5	23 47	0 16	5 31	1 19	25 33	4 55	6 7	5 56	28 30	14 38	2 34
M10	10 51	17 35	4 9	0 21	2 39	10 5	0 58	15 32	0 7	6 40	1 32	19 32	1 5	23 47	0 16	5 31	1 19	25 33	4 55	6 7	5 55	28 30	14 39	2 34
T 11	11 11	11 53	3 16	0n18	2 37	10 32	0 56	15 45	0 7	6 41	1 32	19 31	1 5	23 47	0 16	5 32	1 19	25 32	4 55	6 8	5 54	28 30	14 40	2 35
W12	11 32	5 43	2 13	0 58	2 35	11 0	0 54	15 59	0 8	6 43	1 32	19 31	1 5	23 47	0 16	5 32	1 19	25 32	4 55	6 8	5 52	28 30	14 41	2 35
T 13	11 52	0n36	1 4	1 39	2 32	11 28	0 52	16 13	0 9	6 44	1 31	19 31	1 5	23 47	0 16	5 32	1 19	25 32	4 55	6 9	5 51	28 30	14 42	2 35
F 14	12 13	6 48	0n 8	2 21	2 29	11 55	0 50	16 26	0 9	6 45	1 31	19 30	1 5	23 47	0 16	5 33	1 19	25 32	4 55	6 9	5 50	28 30	14 43	2 35
S 15	12 33	12 37	1 17	3 4	2 25	12 21	0 48	16 39	0 10	6 47	1 31	19 30	1 5	23 47	0 16	5 33	1 19	25 32	4 55	6 8	5 49	28 30	14 45	2 35
S 16	12 53	17 49	2 22	3 47	2 20	12 48	0 46	16 52	0 10	6 48	1 31	19 29	1 5	23 47	0 16	5 34	1 19	25 32	4 55	6 8	5 47	28 30	14 46	2 35
M17	13 12	22 12	3 19	4 32	2 15	13 14	0 44	17 5	0 11	6 49	1 31	19 29	1 5	23 47	0 16	5 34	1 19	25 32	4 55	6 7	5 46	28 30	14 47	2 35
T 18	13 32	25 33	4 6	5 18	2 10	13 40	0 42	17 18	0 12	6 50	1 30	19 28	1 5	23 47	0 16	5 34	1 19	25 32	4 55	6 6	5 45	28 30	14 48	2 35
W19	13 51	27 43	4 41	6 4	2 4	14 6	0 40	17 30	0 12	6 51	1 30	19 28	1 5	23 47	0 16	5 35	1 19	25 31	4 55	6 4	5 44	28 30	14 49	2 35
T 20	14 10	28 35	5 4	6 52	1 57	14 31	0 38	17 42	0 13	6 52	1 30	19 27	1 5	23 47	0 16	5 35	1 19	25 31	4 55	6 3	5 42	28 30	14 50	2 35
F 21	14 29	28 6	5 13	7 39	1 50	14 56	0 36	17 55	0 14	6 52	1 30	19 27	1 5	23 47	0 16	5 36	1 19	25 31	4 55	6 2	5 41	28 29	14 51	2 35
S 22	14 47	26 21	5 10	8 28	1 43	15 20	0 34	18 7	0 14	6 53	1 30	19 26	1 4	23 47	0 16	5 36	1 19	25 31	4 55	6 1	5 40	28 29	14 53	2 35
S 23	15 5	23 25	4 52	9 17	1 35	15 45	0 32	18 18	0 15	6 54	1 29	19 25	1 4	23 47	0 16	5 36	1 19	25 31	4 54	6 1	5 39	28 29	14 54	2 35
M24	15 23	19 26	4 22	10 6	1 27	16 8	0 29	18 30	0 15	6 54	1 29	19 25	1 4	23 47	0 16	5 37	1 18	25 31	4 54	6 1	5 37	28 29	14 55	2 35
T 25	15 41	14 34	3 39	1																				

SWISS EPHEMERIS for the year 1447

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Day	Sid.t	☉	☽	♀	♁	♂	♄	♃	♅	♆	♁	♁	♁	♁	♁
M 1	15 8 14	18°26'32	22°45	14°8'19	24°8'23	26°8'38	15°R51	8°Ω 8	0°Ω44	18°R49	27°Ω42	15°R14	13°Υ51	6°Ω 9	19°Ω 5
T 2	15 12 11	19°24'15	7°34	16°29	25°36	27°20	15°Ω51	8°11	0°47	18°Ω48	27°42	15°Υ 9	13°48	6°16	19°10
W 3	15 16 7	20°21'57	22°27	18°39	26°50	28° 2	15°50	8°15	0°50	18°47	27°43	15° 4	13°45	6°23	19°14
T 4	15 20 4	21°19'38	7°318	20°50	28° 4	28°44	15°D50	8°18	0°53	18°47	27°44	15° 0	13°41	6°29	19°19
F 5	15 24 0	22°17'18	21°59	23° 2	29°18	29°25	15°50	8°21	0°56	18°46	27°45	14°55	13°38	6°36	19°23
S 6	15 27 57	23°14'56	6°Ω24	25°13	0°Ω31	0°Ω 7	15°50	8°25	0°59	18°46	27°46	14°53	13°35	6°43	19°28
S 7	15 31 54	24°12'34	20°30	27°25	1°45	0°49	15°51	8°29	1° 2	18°45	27°47	14°D51	13°32	6°49	19°32
M 8	15 35 50	25°10'10	4°Ω15	29°36	2°59	1°30	15°51	8°32	1° 5	18°45	27°48	14°52	13°29	6°56	19°37
T 9	15 39 47	26° 7'45	17°42	1°Ω46	4°13	2°12	15°52	8°36	1° 8	18°44	27°48	14°53	13°26	7° 3	19°41
W10	15 43 43	27° 5'20	0°Υ50	3°56	5°26	2°53	15°53	8°40	1°11	18°44	27°49	14°54	13°22	7°10	19°46
T 11	15 47 40	28° 2'54	13°43	6° 4	6°40	3°35	15°54	8°44	1°14	18°43	27°50	14°R55	13°19	7°16	19°50
F 12	15 51 36	29° 0'26	26°23	8°11	7°54	4°16	15°55	8°48	1°18	18°43	27°51	14°54	13°16	7°23	19°55
S 13	15 55 33	29°57'58	8°Ω51	10°16	9° 7	4°58	15°57	8°53	1°21	18°43	27°52	14°52	13°13	7°30	19°59
S 14	15 59 29	0°Ω55'29	21° 9	12°19	10°21	5°39	15°58	8°57	1°24	18°43	27°53	14°47	13°10	7°37	20° 4
M15	16 3 26	1°52'58	3°Ω20	14°21	11°35	6°20	16° 0	9° 1	1°27	18°42	27°54	14°40	13° 7	7°43	20° 8
T 16	16 7 23	2°50'27	15°23	16°20	12°48	7° 1	16° 2	9° 6	1°30	18°42	27°56	14°32	13° 3	7°50	20°13
W17	16 11 19	3°47'55	27°20	18°17	14° 2	7°43	16° 4	9°10	1°34	18°42	27°57	14°23	13° 0	7°57	20°17
T 18	16 15 16	4°45'22	9°Ω14	20°12	15°16	8°24	16° 6	9°15	1°37	18°42	27°58	14°13	12°57	8° 3	20°21
F 19	16 19 12	5°42'47	21° 5	22° 4	16°29	9° 5	16° 9	9°20	1°40	18°42	27°59	14° 5	12°54	8°10	20°26
S 20	16 23 9	6°40'12	2°Ω57	23°53	17°43	9°46	16°12	9°24	1°44	18°42	28° 0	13°58	12°51	8°17	20°30
S 21	16 27 5	7°37'35	14°54	25°40	18°56	10°27	16°14	9°29	1°47	18°42	28° 1	13°53	12°47	8°24	20°35
M22	16 31 2	8°34'57	26°59	27°25	20°10	11° 8	16°17	9°34	1°50	18°D42	28° 2	13°51	12°44	8°30	20°39
T 23	16 34 58	9°32'18	9°Ω16	29° 7	21°24	11°49	16°21	9°39	1°54	18°42	28° 4	13°D50	12°41	8°37	20°43
W24	16 38 55	10°29'38	21°51	0°Ω46	22°37	12°30	16°24	9°44	1°57	18°42	28° 5	13°50	12°38	8°44	20°48
T 25	16 42 52	11°26'57	4°Ω48	2°23	23°51	13°10	16°28	9°49	2° 1	18°42	28° 6	13°51	12°35	8°51	20°52
F 26	16 46 48	12°24'15	18°12	3°56	25° 4	13°51	16°31	9°54	2° 4	18°42	28° 7	13°R51	12°32	8°57	20°56
S 27	16 50 45	13°21'32	2°Ω 3	5°28	26°18	14°32	16°35	10° 0	2° 8	18°42	28° 9	13°50	12°28	9° 4	21° 1
S 28	16 54 41	14°18'48	16°23	6°56	27°31	15°13	16°39	10° 5	2°11	18°42	28°10	13°46	12°25	9°11	21° 5
M29	16 58 38	15°16'03	1°Ω 8	8°22	28°45	15°53	16°43	10°10	2°15	18°42	28°11	13°41	12°22	9°17	21° 9
T 30	17 2 34	16°13'18	16°12	9°44	29°58	16°34	16°47	10°16	2°18	18°43	28°13	13°33	12°19	9°24	21°13
W31	17 6 31	17°10'32	1°Ω25	11°Ω 4	1°Ω12	17°Ω15	16°Ω52	10°Ω21	2°Ω22	18°Ω43	28°Ω14	13°Υ24	12°Υ16	9°Ω31	21°Ω17

Day	☉	☽	♀	♁	♂	♄	♃	♅	♆	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	17n22	21s35	3s10	15n53	0s19	18n42	0s13	19n47	0n19	6n56	1n28	19n19	1n 4	23n47	0n16	5n38	1n18	25n29	4n54	6n 1	5n29	28n28	15n 3	2s36
T 2	17 38	25 42	4 7	16 41	0 8	19 3	0 11	19 57	0 20	6 56	1 27	19 19	1 4	23 47	0 16	5 39	1 18	25 29	4 54	5 59	5 28	28 28	15 4	2 36
W 3	17 54	28 4	4 47	17 28	0n 2	19 22	0 9	20 7	0 21	6 56	1 27	19 18	1 4	23 47	0 16	5 39	1 18	25 29	4 54	5 57	5 26	28 27	15 5	2 36
T 4	18 9	28 26	5 8	18 14	0 13	19 41	0 6	20 17	0 21	6 56	1 27	19 17	1 4	23 47	0 16	5 39	1 18	25 29	4 54	5 55	5 25	28 27	15 6	2 36
F 5	18 24	26 47	5 8	18 58	0 23	20 0	0 4	20 27	0 22	6 56	1 27	19 16	1 4	23 47	0 16	5 39	1 18	25 28	4 54	5 54	5 24	28 27	15 7	2 36
S 6	18 39	23 23	4 49	19 40	0 34	20 18	0 1	20 36	0 22	6 56	1 26	19 15	1 4	23 47	0 16	5 39	1 18	25 28	4 54	5 53	5 23	28 27	15 9	2 36
S 7	18 53	18 41	4 13	20 21	0 44	20 36	0n 1	20 45	0 23	6 55	1 26	19 14	1 4	23 47	0 16	5 40	1 18	25 28	4 54	5 52	5 21	28 26	15 10	2 36
M 8	19 7	13 7	3 23	21 0	0 53	20 53	0 3	20 55	0 23	6 55	1 26	19 13	1 4	23 47	0 16	5 40	1 18	25 28	4 54	5 52	5 20	28 26	15 11	2 36
T 9	19 21	7 3	2 22	21 36	1 3	21 9	0 6	21 3	0 24	6 54	1 26	19 12	1 4	23 47	0 16	5 40	1 18	25 27	4 54	5 53	5 19	28 26	15 12	2 37
W10	19 34	0 49	1 16	22 10	1 12	21 25	0 8	21 12	0 25	6 54	1 25	19 11	1 4	23 47	0 16	5 40	1 18	25 27	4 54	5 53	5 18	28 26	15 13	2 37
T 11	19 47	5n20	0 7	22 42	1 20	21 40	0 11	21 21	0 25	6 53	1 25	19 10	1 4	23 47	0 16	5 40	1 18	25 27	4 54	5 54	5 16	28 25	15 14	2 37
F 12	20 0	11 10	1n 2	23 11	1 28	21 55	0 13	21 29	0 26	6 53	1 25	19 8	1 4	23 47	0 16	5 40	1 18	25 27	4 54	5 53	5 15	28 25	15 15	2 37
S 13	20 12	16 28	2 6	23 37	1 35	22 9	0 16	21 37	0 26	6 52	1 25	19 7	1 4	23 47	0 16	5 40	1 18	25 26	4 53	5 52	5 14	28 25	15 16	2 37
S 14	20 24	21 2	3 3	24 1	1 41	22 22	0 18	21 45	0 27	6 51	1 25	19 6	1 4	23 47	0 16	5 40	1 18	25 26	4 53	5 51	5 13	28 24	15 17	2 37
M15	20 36	24 39	3 51	24 22	1 47	22 35	0 20	21 53	0 27	6 50	1 24	19 5	1 4	23 47	0 16	5 40	1 18	25 26	4 53	5 48	5 11	28 24	15 18	2 37
T 16	20 48	27 9	4 28	24 40	1 52	22 47	0 23	22 0	0 28	6 49	1 24	19 4	1 4	23 47	0 16	5 41	1 18	25 26	4 53	5 45	5 10	28 24	15 19	2 37
W17	20 59	28 22	4 53	24 56	1 57	22 58	0 25	22 8	0 28	6 48	1 24	19 3	1 4	23 47	0 16	5 41	1 18	25 25	4 53	5 41	5 9	28 23	15 20	2 38
T 18	21 9	28 15	5 5	25 9	2 1	23 9	0 27	22 15	0 29	6 47	1 24	19 1	1 4	23 47	0 16	5 41	1 18	25 25	4 53	5 38	5 8	28 23	15 22	2 38
F 19	21 20	26 51	5 4	25 20	2 3	23 19	0 30	22 22	0 30	6 46	1 23	19 0	1 4	23 47	0 16	5 41	1 18	25 25	4 53	5 34	5 7	28 23	15 23	2 38
S 20	21 29	24 15	4 49	25 28	2 6	23 29	0 32	22 29	0 30	6 44	1 23	18 59	1 4	23 47	0 16	5 41	1 18	25 25	4 53	5 32	5 5	28 22	15 24	2 38
S 21	21 39	20 36	4 23	25 33	2 7	23 37	0 34	22 35	0 31	6 43	1 23	18 57	1 4	23 46	0 16	5 41	1 18	25 24	4 53	5 30	5 4	28 22	15 25	2 38
M22	21 48	16 4	3 44	25 37	2 8	23 45	0 37	22 42	0 31	6 42	1 23	18 56	1 4	23 46	0 16	5 41	1 18	25 24	4 53	5 29	5 3	28 22	15 26	2 38
T 23	21 57	10 48	2 54	25 38	2 7	23 53	0 39	22 48	0 32	6 40	1 22	18 55	1 4	23 46	0 16	5 41	1 18	25 24	4 53	5 28	5 2	28 21	15 27	2 38
W24	22 5	5 0	1 55	25 37	2 7	24 0	0 41	22 54	0 32	6 39	1 22	18 53	1 4	23 46	0 16	5 40	1 18	25 24	4 53	5 29	5 0	28 21	15 28	2 38
T 25	22 13	1s11	0 48	25 34	2 5	24 6	0 43	22 59	0 33	6 37	1 22	18 52	1 4	23 46	0 16	5 40	1 18	25 23	4 53	5 29	4 59	28 20	15 29	2 39
F 26	22 21	7 31	0s23	25 30	2 3	24 11	0 46	23 5	0 33	6 35	1 22	18 51	1 4	23 46	0 16	5 40	1 17	25 23	4 53	5 29	4 58	28 20	15 30	2 39
S 27	22 28	13 43	1 36	25 23	1 59	24 15	0 48	23 10	0 34	6 34	1 22	18 49	1 4	23 46	0 16	5 40	1 17	25 23	4 53	5 28	4 57	28 20	15 31	2 39
S 28	22 35	19 25	2 44	25 15	1 56	24 19	0 50	23 15	0 34	6 32	1 21	18 48	1 4	23 46	0 16	5 40	1 17	25 22	4 53	5 27	4 55	28 19	15 31	2 39
M29	22 42	24 6	3 44	25 6	1 51	24 22	0 52																	

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T 1	17 10 28	18II 746	16☾37	12☾22	2☾25	17II55	16♃57	10♄27	2☾25	18♃43	28☾15	13°R15	12°Y13	9☾38	21☾22							
F 2	17 14 24	19° 4'59	1☾37	13°36	3°39	18°36	17° 1	10°33	2°29	18°44	28°17	13°Y 7	12° 9	9°44	21°26							
S 3	17 18 21	20° 2'12	16°17	14°47	4°52	19°16	17° 6	10°39	2°32	18°44	28°18	13° 1	12° 6	9°51	21°30							
S 4	17 22 17	20°59'25	0☾33	15°55	6° 6	19°57	17°11	10°44	2°36	18°44	28°20	12°57	12° 3	9°58	21°34							
M 5	17 26 14	21°56'37	14°22	17° 1	7°19	20°37	17°17	10°50	2°39	18°45	28°21	12°55	12° 0	10° 4	21°38							
T 6	17 30 10	22°53'50	27°46	18° 3	8°32	21°17	17°22	10°56	2°43	18°45	28°22	12°D55	11°57	10°11	21°42							
W 7	17 34 7	23°51'02	10°Y47	19° 1	9°46	21°58	17°27	11° 2	2°47	18°46	28°24	12°R55	11°53	10°18	21°46							
T 8	17 38 3	24°48'15	23°30	19°57	10°59	22°38	17°33	11° 8	2°50	18°46	28°25	12°55	11°50	10°25	21°50							
F 9	17 42 0	25°45'27	5☾57	20°49	12°13	23°18	17°39	11°14	2°54	18°47	28°27	12°53	11°47	10°31	21°54							
S 10	17 45 57	26°42'39	18°12	21°37	13°26	23°58	17°45	11°20	2°57	18°47	28°28	12°48	11°44	10°38	21°58							
S 11	17 49 53	27°39'52	0II19	22°22	14°39	24°38	17°51	11°27	3° 1	18°48	28°30	12°41	11°41	10°45	22° 2							
M12	17 53 50	28°37'04	12°20	23° 3	15°53	25°19	17°57	11°33	3° 5	18°49	28°31	12°31	11°38	10°52	22° 6							
T 13	17 57 46	29°34'16	24°16	23°40	17° 6	25°59	18° 4	11°39	3° 8	18°49	28°33	12°19	11°34	10°58	22°10							
W14	18 1 43	0☾31'28	6☾ 9	24°13	18°19	26°39	18°10	11°46	3°12	18°50	28°34	12° 5	11°31	11° 5	22°13							
T 15	18 5 39	1°28'40	18° 1	24°42	19°33	27°19	18°17	11°52	3°15	18°51	28°36	11°52	11°28	11°12	22°17							
F 16	18 9 36	2°25'52	29°53	25° 6	20°46	27°59	18°24	11°58	3°19	18°52	28°38	11°39	11°25	11°18	22°21							
S 17	18 13 32	3°23'04	11♄47	25°27	21°59	28°39	18°31	12° 5	3°23	18°52	28°39	11°29	11°22	11°25	22°25							
S 18	18 17 29	4°20'15	23°45	25°42	23°13	29°19	18°38	12°12	3°26	18°53	28°41	11°21	11°19	11°32	22°28							
M19	18 21 26	5°17'26	5♃51	25°54	24°26	29°58	18°45	12°18	3°30	18°54	28°42	11°15	11°15	11°39	22°32							
T 20	18 25 22	6°14'37	18° 8	26° 0	25°39	0☾38	18°52	12°25	3°33	18°55	28°44	11°13	11°12	11°45	22°36							
W21	18 29 19	7°11'48	0♁41	26°R 2	26°53	1°18	19° 0	12°32	3°37	18°56	28°46	11°12	11° 9	11°52	22°39							
T 22	18 33 15	8° 8'59	13°34	25°59	28° 6	1°58	19° 7	12°38	3°41	18°57	28°47	11°12	11° 6	11°59	22°43							
F 23	18 37 12	9° 6'10	26°51	25°52	29°19	2°38	19°15	12°45	3°44	18°58	28°49	11°11	11° 3	12° 6	22°46							
S 24	18 41 8	10° 3'20	10♃36	25°39	0♄32	3°17	19°23	12°52	3°48	18°59	28°51	11° 9	10°59	12°12	22°50							
S 25	18 45 5	11° 0'31	24°51	25°23	1°46	3°57	19°31	12°59	3°52	19° 0	28°52	11° 5	10°56	12°19	22°53							
M26	18 49 1	11°57'42	9♃32	25° 2	2°59	4°36	19°39	13° 6	3°55	19° 1	28°54	10°58	10°53	12°26	22°56							
T 27	18 52 58	12°54'52	24°36	24°36	4°12	5°16	19°47	13°13	3°59	19° 2	28°56	10°49	10°50	12°32	23° 0							
W28	18 56 55	13°52'04	9☾54	24° 7	5°25	5°56	19°55	13°20	4° 2	19° 3	28°57	10°39	10°47	12°39	23° 3							
T 29	19 0 51	14°49'15	25°14	23°35	6°38	6°35	20° 3	13°27	4° 6	19° 5	28°59	10°28	10°44	12°46	23° 6							
F 30	19 4 48	15☾46'27	10☾25	23☾ 0	7♄51	7☾15	20♃12	13♄34	4☾ 9	19♃6	29☾ 1	10°Y19	10°Y40	12☾53	23☾ 9							

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓			
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat			
T 1	22n59	27s29	5s 2	24n29	1n33	24n27	0n58	23n34	0n36	6n24	1n20	18n42	1n 4	23n46	0n16	5n40	1n17	25n21	4n53	5n15	4n50	28n17	15n35	2s40
F 2	23 4	24 32	4 48	24 15	1 26	24 28	1 0	23 38	0 37	6 22	1 20	18 40	1 4	23 46	0 16	5 39	1 17	25 21	4 53	5 12	4 49	28 17	15 36	2 40
S 3	23 8	20 2	4 14	23 59	1 18	24 27	1 2	23 42	0 37	6 20	1 20	18 39	1 4	23 46	0 16	5 39	1 17	25 21	4 53	5 9	4 48	28 16	15 37	2 40
S 4	23 12	14 30	3 25	23 43	1 10	24 26	1 4	23 45	0 38	6 18	1 20	18 37	1 4	23 46	0 16	5 39	1 17	25 20	4 53	5 8	4 47	28 16	15 38	2 40
M 5	23 16	8 24	2 26	23 25	1 0	24 24	1 6	23 49	0 38	6 16	1 20	18 35	1 4	23 46	0 16	5 39	1 17	25 20	4 53	5 7	4 45	28 15	15 39	2 40
T 6	23 19	2 7	1 20	23 8	0 51	24 22	1 7	23 52	0 39	6 13	1 19	18 34	1 4	23 46	0 16	5 39	1 17	25 20	4 53	5 7	4 44	28 15	15 40	2 41
W 7	23 22	4n 7	0 11	22 49	0 40	24 18	1 9	23 55	0 39	6 11	1 19	18 32	1 4	23 46	0 16	5 38	1 17	25 19	4 53	5 7	4 43	28 14	15 40	2 41
T 8	23 25	10 1	0n56	22 30	0 29	24 14	1 11	23 58	0 40	6 9	1 19	18 30	1 4	23 45	0 16	5 38	1 17	25 19	4 53	5 7	4 42	28 14	15 41	2 41
F 9	23 27	15 25	1 59	22 11	0 18	24 9	1 13	24 1	0 40	6 6	1 19	18 29	1 4	23 45	0 16	5 38	1 17	25 19	4 53	5 6	4 40	28 13	15 42	2 41
S 10	23 28	20 6	2 55	21 52	0 5	24 4	1 14	24 3	0 41	6 4	1 19	18 27	1 4	23 45	0 16	5 38	1 17	25 18	4 53	5 4	4 39	28 13	15 43	2 41
S 11	23 30	23 55	3 43	21 32	0s 7	23 58	1 16	24 5	0 41	6 1	1 18	18 25	1 4	23 45	0 17	5 37	1 17	25 18	4 53	5 1	4 38	28 12	15 44	2 42
M12	23 30	26 38	4 40	21 12	0 20	23 51	1 17	24 7	0 42	5 58	1 18	18 24	1 4	23 45	0 17	5 37	1 17	25 18	4 53	4 58	4 37	28 12	15 45	2 42
T 13	23 31	28 8	4 45	20 53	0 34	23 43	1 19	24 9	0 42	5 56	1 18	18 22	1 4	23 45	0 17	5 37	1 17	25 17	4 53	4 53	4 35	28 11	15 45	2 42
W14	23 31	28 20	4 58	20 33	0 48	23 35	1 20	24 11	0 43	5 53	1 18	18 20	1 4	23 45	0 17	5 36	1 17	25 17	4 53	4 48	4 34	28 11	15 46	2 42
T 15	23 30	27 13	4 58	20 14	1 2	23 26	1 21	24 12	0 43	5 50	1 17	18 18	1 4	23 45	0 17	5 36	1 17	25 17	4 53	4 42	4 33	28 10	15 47	2 42
F 16	23 29	24 53	4 45	19 55	1 17	23 16	1 23	24 13	0 43	5 47	1 17	18 16	1 4	23 45	0 17	5 36	1 17	25 17	4 53	4 37	4 32	28 9	15 48	2 43
S 17	23 28	21 28	4 20	19 37	1 32	23 6	1 24	24 14	0 44	5 44	1 17	18 15	1 4	23 45	0 17	5 35	1 17	25 16	4 53	4 33	4 30	28 9	15 48	2 43
S 18	23 27	17 9	3 43	19 19	1 47	22 54	1 25	24 15	0 44	5 41	1 17	18 13	1 4	23 45	0 17	5 35	1 17	25 16	4 53	4 30	4 29	28 8	15 49	2 43
M19	23 24	12 6	2 55	19 2	2 2	22 43	1 26	24 16	0 45	5 38	1 17	18 11	1 4	23 45	0 17	5 35	1 17	25 16	4 53	4 28	4 28	28 8	15 50	2 43
T 20	23 22	6 32	1 59	18 46	2 17	22 30	1 27	24 16	0 45	5 35	1 17	18 9	1 4	23 44	0 17	5 34	1 17	25 15	4 53	4 27	4 27	28 7	15 51	2 43
W21	23 19	0 35	0 55	18 31	2 33	22 17	1 28	24 16	0 46	5 32	1 16	18 7	1 4	23 44	0 17	5 34	1 17	25 15	4 53	4 27	4 25	28 6	15 51	2 44
T 22	23 16	5s34	0s13	18 16	2 48	22 4	1 29	24 16	0 46	5 29	1 16	18 5	1 4	23 44	0 17	5 34	1 17	25 15	4 53	4 27	4 24	28 6	15 52	2 44
F 23	23 12	11 39	1 22	18 3	3 3	21 49	1 30	24 16	0 47	5 26	1 16	18 3	1 4	23 44	0 17	5 33	1 17	25 14	4 53	4 26	4 23	28 5	15 53	2 44
S 24	23 8	17 24	2 29	17 51	3 17	21 35	1 31	24 15	0 47	5 23	1 16	18 1	1 4	23 44	0 17	5 33	1 16	25 14	4 53	4 26	4 22	28 4	15 53	2 44
S 25	23 3	22 24	3 28	17 40	3 31	21 19	1 32	24 15	0 48	5 19	1 16	17 59	1 4	23 44	0 17	5 32	1 16	25 14	4 53	4 24	4 20	28 4	15 54	2 44
M26	22 58	26 11	4 17	17 31	3 45	21 3	1 32	24 14	0 48	5 16	1 15	17 58	1 4	23 44	0 17	5 32	1 16	25 13	4 53	4 21	4 19	28 3	15 54	2 45
T 27	22 53	28 12	4 48	17 23	3 57	20 46	1 33	24 13	0 48	5 13	1 15	17 56	1 4	23 44	0 17	5 31	1 16	25 13	4 53	4 18	4 18	28 2	15 55	2 45
W28	22 47	28 8	5 0	17 16	4 9	20 29	1 33	24 12	0 49	5 9	1 15	17 54	1 4	23 44	0 17	5 31	1 16	25 13	4 53	4 14	4 17	28 2	15 56	2 45
T 29	22 41	25 55	4																					

SWISS EPHEMERIS for the year 1447

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
S 1	19 8 44	16°43'39	25°17	22°R22	9♁ 4	7♁54	20♁21	13♁41	4♁13	19♁ 7	29♁ 2	10°R11	10°Y37	12°59	23°R13
S 2	19 12 41	17°40'52	9♁43	21°54	10°18	8°33	20°29	13°48	4°17	19° 8	29° 4	10°Y 6	10°34	13° 6	23°16
M 3	19 16 37	18°38'06	23°41	21° 1	11°31	9°13	20°38	13°55	4°20	19° 9	29° 6	10° 4	10°31	13°13	23°19
T 4	19 20 34	19°35'20	7°Y10	20°20	12°44	9°52	20°47	14° 2	4°24	19°11	29° 7	10°D 3	10°28	13°20	23°22
W 5	19 24 30	20°32'35	20°12	19°39	13°57	10°32	20°56	14°10	4°27	19°12	29° 9	10°R 3	10°25	13°26	23°25
T 6	19 28 27	21°29'51	2♁53	18°59	15°10	11°11	21° 5	14°17	4°31	19°13	29°11	10° 3	10°21	13°33	23°28
F 7	19 32 24	22°27'09	15°16	18°21	16°23	11°50	21°14	14°24	4°34	19°15	29°12	10° 1	10°18	13°40	23°31
S 8	19 36 20	23°24'27	27°25	17°45	17°36	12°29	21°24	14°31	4°38	19°16	29°14	9°57	10°15	13°46	23°33
S 9	19 40 17	24°21'45	9♁26	17°12	18°49	13° 8	21°33	14°39	4°41	19°18	29°16	9°50	10°12	13°53	23°36
M10	19 44 13	25°19'05	21°21	16°42	20° 2	13°48	21°43	14°46	4°45	19°19	29°18	9°40	10° 9	14° 0	23°39
T 11	19 48 10	26°16'26	3♁13	16°17	21°15	14°27	21°52	14°54	4°48	19°21	29°19	9°29	10° 5	14° 7	23°42
W12	19 52 6	27°13'48	15° 5	15°57	22°28	15° 6	22° 2	15° 1	4°51	19°22	29°21	9°16	10° 2	14°13	23°44
T 13	19 56 3	28°11'10	26°58	15°42	23°41	15°45	22°12	15° 8	4°55	19°24	29°23	9° 3	9°59	14°20	23°47
F 14	20 0 0	29° 8'33	8♁53	15°33	24°54	16°24	22°22	15°16	4°58	19°25	29°25	8°51	9°56	14°27	23°49
S 15	20 3 56	0♁ 5'57	20°52	15°D29	26° 6	17° 3	22°32	15°23	5° 2	19°27	29°26	8°41	9°53	14°33	23°52
S 16	20 7 53	1° 3'22	2♁57	15°32	27°19	17°42	22°42	15°31	5° 5	19°28	29°28	8°33	9°50	14°40	23°54
M17	20 11 49	2° 0'48	15°10	15°41	28°32	18°21	22°52	15°38	5° 8	19°30	29°30	8°28	9°46	14°47	23°56
T 18	20 15 46	2°58'14	27°33	15°56	29°45	19° 0	23° 2	15°46	5°12	19°32	29°32	8°26	9°43	14°54	23°59
W19	20 19 42	3°55'41	10♁10	16°18	0♁58	19°39	23°13	15°53	5°15	19°33	29°33	8°D25	9°40	15° 0	24° 1
T 20	20 23 39	4°53'09	23° 3	16°46	2°11	20°18	23°23	16° 1	5°18	19°35	29°35	8°26	9°37	15° 7	24° 3
F 21	20 27 35	5°50'38	6♁18	17°21	3°23	20°56	23°34	16° 9	5°21	19°37	29°37	8°R26	9°34	15°14	24° 5
S 22	20 31 32	6°48'07	19°56	18° 3	4°36	21°35	23°44	16°16	5°25	19°38	29°38	8°25	9°31	15°21	24° 7
S 23	20 35 29	7°45'37	4♁ 1	18°50	5°49	22°14	23°55	16°24	5°28	19°40	29°40	8°23	9°27	15°27	24° 9
M24	20 39 25	8°43'09	18°30	19°45	7° 1	22°53	24° 6	16°31	5°31	19°42	29°42	8°18	9°24	15°34	24°11
T 25	20 43 22	9°40'41	3♁21	20°45	8°14	23°32	24°16	16°39	5°34	19°44	29°44	8°11	9°21	15°41	24°13
W26	20 47 18	10°38'14	18°27	21°51	9°27	24°10	24°27	16°47	5°37	19°46	29°46	8° 3	9°18	15°47	24°15
T 27	20 51 15	11°35'48	3♁39	23° 4	10°39	24°49	24°38	16°54	5°40	19°47	29°47	7°54	9°15	15°54	24°17
F 28	20 55 11	12°33'23	18°46	24°21	11°52	25°27	24°49	17° 2	5°43	19°49	29°49	7°47	9°11	16° 1	24°18
S 29	20 59 8	13°31'00	3♁39	25°45	13° 4	26° 6	25° 0	17° 9	5°47	19°51	29°50	7°41	9° 8	16° 8	24°20
S 30	21 3 4	14°28'37	18° 9	27°13	14°17	26°45	25°12	17°17	5°50	19°53	29°52	7°37	9° 5	16°14	24°22
M31	21 7 1	15°12'6	2°Y12	28°46	15°D29	27°53	25°D23	17°D25	5°53	19°55	29°54	7°D36	9°Y 2	16°21	24°D23

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	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	22n28	16s28	3s33	17n 6	4s37	19n34	1n35	24n 7	0n50	4n59	1n15	17n48	1n 4	23n43	0n17	5n29	1n16	25n12	4n53	4n 3	4n13	28n 0	15n57	2s46
S 2	22 20 10	18 2	2 33	17 5	4 44	19 14	1 35	24 5	0 51	4 55	1 14	17 45	1 4	23 43	0 17	5 29	1 16	25 11	4 53	4 1	4 12	27 59	15 58	2 46
M 3	22 13 3 49	1 25	17 6	4 49	18 34	1 35	24 2	0 51	4 52	1 14	17 43	1 4	23 43	0 17	5 28	1 16	25 11	4 53	4 0	4 11	27 58	15 58	2 46	
T 4	22 5 2n37	0 15	17 9	4 52	18 34	1 35	24 0	0 51	4 48	1 14	17 41	1 4	23 43	0 17	5 28	1 16	25 11	4 53	4 0	4 9	27 57	15 59	2 47	
W 5	21 56 8 45	0n53	17 13	4 54	18 13	1 35	23 57	0 52	4 44	1 14	17 39	1 4	23 43	0 17	5 27	1 16	25 10	4 54	4 0	4 8	27 57	15 59	2 47	
T 6	21 47 14 21	1 58	17 19	4 54	17 51	1 35	23 55	0 52	4 40	1 14	17 37	1 4	23 43	0 17	5 27	1 16	25 10	4 54	4 0	4 7	27 56	16 0	2 47	
F 7	21 38 19 15	2 55	17 26	4 52	17 29	1 35	23 52	0 53	4 37	1 14	17 35	1 4	23 43	0 17	5 26	1 16	25 10	4 54	3 59	4 6	27 55	16 0	2 47	
S 8	21 29 23 15	3 43	17 34	4 49	17 7	1 35	23 48	0 53	4 33	1 13	17 33	1 4	23 43	0 17	5 26	1 16	25 9	4 54	3 57	4 4	27 54	16 1	2 48	
S 9	21 19 26 13	4 20	17 43	4 44	16 44	1 35	23 45	0 53	4 29	1 13	17 31	1 4	23 43	0 17	5 25	1 16	25 9	4 54	3 54	4 3	27 54	16 1	2 48	
M10	21 8 27 59	4 46	17 53	4 37	16 20	1 34	23 41	0 54	4 25	1 13	17 29	1 4	23 42	0 17	5 24	1 16	25 9	4 54	3 51	4 2	27 53	16 2	2 48	
T 11	20 58 28 27	4 59	18 4	4 29	15 57	1 34	23 38	0 54	4 21	1 13	17 27	1 4	23 42	0 17	5 24	1 16	25 9	4 54	3 46	4 1	27 52	16 2	2 48	
W12	20 47 27 37	4 59	18 16	4 19	15 32	1 33	23 34	0 55	4 17	1 13	17 24	1 4	23 42	0 17	5 23	1 16	25 8	4 54	3 41	3 59	27 51	16 2	2 49	
T 13	20 35 25 31	4 46	18 28	4 9	15 8	1 33	23 30	0 55	4 13	1 13	17 22	1 5	23 42	0 17	5 22	1 16	25 8	4 54	3 36	3 58	27 50	16 3	2 49	
F 14	20 24 22 17	4 21	18 41	3 57	14 43	1 32	23 25	0 55	4 9	1 12	17 20	1 5	23 42	0 17	5 22	1 16	25 8	4 54	3 31	3 57	27 50	16 3	2 49	
S 15	20 12 18 7	3 44	18 54	3 44	14 17	1 32	23 21	0 56	4 5	1 12	17 18	1 5	23 42	0 17	5 21	1 16	25 7	4 54	3 27	3 56	27 49	16 4	2 49	
S 16	19 59 13 12	2 57	19 7	3 30	13 52	1 31	23 16	0 56	4 1	1 12	17 16	1 5	23 42	0 17	5 21	1 16	25 7	4 54	3 24	3 54	27 48	16 4	2 50	
M17	19 46 7 43	2 0	19 21	3 16	13 25	1 30	23 11	0 57	3 57	1 12	17 14	1 5	23 42	0 17	5 20	1 16	25 7	4 54	3 22	3 53	27 47	16 4	2 50	
T 18	19 33 1 51	0 58	19 34	3 1	12 59	1 29	23 6	0 57	3 52	1 12	17 11	1 5	23 42	0 17	5 19	1 16	25 6	4 54	3 21	3 52	27 46	16 4	2 50	
W19	19 20 4s11	0s 9	19 47	2 45	12 32	1 28	23 1	0 57	3 48	1 12	17 9	1 5	23 41	0 17	5 19	1 16	25 6	4 54	3 21	3 50	27 45	16 5	2 51	
T 20	19 6 10 11	1 17	19 59	2 30	12 5	1 27	22 56	0 58	3 44	1 12	17 7	1 5	23 41	0 17	5 18	1 16	25 6	4 55	3 21	3 49	27 44	16 5	2 51	
F 21	18 52 15 55	2 23	20 10	2 14	11 38	1 26	22 50	0 58	3 40	1 12	17 5	1 5	23 41	0 17	5 17	1 16	25 5	4 55	3 21	3 48	27 44	16 5	2 51	
S 22	18 38 21 2	3 23	20 31	1 58	11 10	1 25	22 44	0 59	3 35	1 11	17 3	1 5	23 41	0 17	5 16	1 16	25 5	4 55	3 21	3 47	27 43	16 6	2 51	
S 23	18 23 25 8	4 12	20 31	1 41	10 42	1 23	22 38	0 59	3 31	1 11	17 0	1 5	23 41	0 17	5 16	1 16	25 5	4 55	3 20	3 45	27 42	16 6	2 52	
M24	18 8 27 46	4 47	20 39	1 25	10 14	1 22	22 32	0 59																

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	21 10 58	16♌23'58	15♍47	0♌23	16♍42	28♎ 2	25♏34	17♏32	5♎56	19♏57	29♎55	7♍36	8♍59	16♎28	24♏25
W 2	21 14 54	17°21'40	28°55	2° 5	17°54	28°40	25°46	17°40	5°58	19°59	29°57	7°37	8°56	16°35	24°26
T 3	21 18 51	18°19'24	11♌39	3°49	19° 7	29°19	25°57	17°48	6° 1	20° 1	29°59	7°38	8°52	16°41	24°27
F 4	21 22 47	19°17'10	24° 3	5°37	20°19	29°57	26° 8	17°55	6° 4	20° 3	0♌ 0	7°R38	8°49	16°48	24°29
S 5	21 26 44	20°14'58	6♌13	7°28	21°32	0♌36	26°20	18° 3	6° 7	20° 5	0° 2	7°36	8°46	16°55	24°30
S 6	21 30 40	21°12'47	18°13	9°21	22°44	1°14	26°32	18°11	6°10	20° 7	0° 4	7°33	8°43	17° 1	24°31
M 7	21 34 37	22°10'38	0♎ 6	11°16	23°56	1°52	26°43	18°18	6°13	20° 9	0° 5	7°28	8°40	17° 8	24°32
T 8	21 38 33	23° 8'31	11°58	13°13	25° 8	2°31	26°55	18°26	6°15	20°11	0° 7	7°21	8°37	17°15	24°33
W 9	21 42 30	24° 6'26	23°50	15°10	26°21	3° 9	27° 7	18°34	6°18	20°13	0° 9	7°13	8°33	17°22	24°34
T 10	21 46 27	25° 4'22	5♌46	17° 9	27°33	3°47	27°19	18°41	6°21	20°15	0°10	7° 5	8°30	17°28	24°35
F 11	21 50 23	26° 2'20	17°48	19° 7	28°45	4°26	27°31	18°49	6°23	20°17	0°12	6°57	8°27	17°35	24°36
S 12	21 54 20	27° 0'19	29°56	21° 6	29°57	5° 4	27°43	18°57	6°26	20°19	0°13	6°51	8°24	17°42	24°37
S 13	21 58 16	27°58'20	12♌13	23° 5	1♌ 9	5°42	27°55	19° 4	6°29	20°21	0°15	6°47	8°21	17°48	24°37
M14	22 2 13	28°56'23	24°39	25° 4	2°21	6°20	28° 7	19°12	6°31	20°23	0°17	6°44	8°17	17°55	24°38
T 15	22 6 9	29°54'27	7♌16	27° 2	3°33	6°58	28°19	19°19	6°34	20°25	0°18	6°D43	8°14	18° 2	24°39
W16	22 10 6	0♎52'32	20° 5	28°59	4°46	7°37	28°31	19°27	6°36	20°27	0°20	6°44	8°11	18° 9	24°39
T 17	22 14 2	1°50'40	3♌ 9	0♎56	5°57	8°15	28°43	19°34	6°39	20°29	0°21	6°46	8° 8	18°15	24°39
F 18	22 17 59	2°48'48	16°29	2°51	7° 9	8°53	28°55	19°42	6°41	20°32	0°23	6°47	8° 5	18°22	24°40
S 19	22 21 56	3°46'58	0♌ 7	4°46	8°21	9°31	29° 8	19°50	6°43	20°34	0°24	6°R48	8° 2	18°29	24°40
S 20	22 25 52	4°45'10	14° 4	6°40	9°33	10° 9	29°20	19°57	6°46	20°36	0°26	6°48	7°58	18°36	24°40
M21	22 29 49	5°43'23	28°20	8°33	10°45	10°47	29°32	20° 4	6°48	20°38	0°27	6°46	7°55	18°42	24°40
T 22	22 33 45	6°41'38	12♌35	10°24	11°57	11°25	29°45	20°12	6°50	20°40	0°29	6°43	7°52	18°49	24°41
W23	22 37 42	7°39'54	27°36	12°15	13° 9	12° 3	29°57	20°19	6°52	20°42	0°30	6°39	7°49	18°56	24°R41
T 24	22 41 38	8°38'12	12♎26	14° 4	14°20	12°41	0♌10	20°27	6°54	20°45	0°31	6°35	7°46	19° 2	24°41
F 25	22 45 35	9°36'31	27°14	15°52	15°32	13°19	0°22	20°34	6°57	20°47	0°33	6°32	7°43	19° 9	24°40
S 26	22 49 31	10°34'52	11♌53	17°40	16°44	13°57	0°35	20°42	6°59	20°49	0°34	6°29	7°39	19°16	24°40
S 27	22 53 28	11°33'15	26°14	19°26	17°55	14°34	0°47	20°49	7° 1	20°51	0°36	6°27	7°36	19°23	24°40
M28	22 57 25	12°31'40	10♍14	21°10	19° 7	15°12	1° 0	20°56	7° 3	20°53	0°37	6°D27	7°33	19°29	24°40
T 29	23 1 21	13°30'07	23°50	22°54	20°18	15°50	1°12	21° 4	7° 4	20°56	0°38	6°28	7°30	19°36	24°39
W30	23 5 18	14°28'36	7♌ 1	24°37	21°29	16°28	1°25	21°11	7° 6	20°58	0°40	6°29	7°27	19°43	24°39
T 31	23 9 14	15♎27'07	19♌49	26♎19	22♌41	17♌ 6	1♌38	21♌18	7♎ 8	21♎ 0	0♌41	6♍31	7♍23	19♎49	24♌38

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	15n58	6n54	0n44	20n35	0n28	6n19	1n 8	21n38	1n 2	2n50	1n10	16n40	1n 6	23n40	0n17	5n 9	1n16	25n 2	4n56	3n 1	3n34	27n33	16n 7	2s54
W 2	15 41	12 52	1 52	20 24	0 40	5 49	1 6	21 31	1 3	2 46	1 10	16 38	1 6	23 40	0 17	5 8	1 16	25 2	4 56	3 2	3 33	27 32	16 7	2 54
T 3	15 23	18 7	2 53	20 10	0 50	5 18	1 4	21 23	1 3	2 41	1 10	16 35	1 6	23 40	0 17	5 8	1 16	25 2	4 56	3 2	3 32	27 31	16 7	2 55
F 4	15 5 22	27 7	3 44	19 53	1 0	4 48	1 2	21 15	1 3	2 36	1 10	16 33	1 6	23 40	0 17	5 7	1 16	25 2	4 56	3 2	3 30	27 30	16 7	2 55
S 5	14 47	25 44	4 23	19 34	1 8	4 17	1 0	21 7	1 4	2 32	1 10	16 31	1 6	23 40	0 17	5 6	1 16	25 1	4 56	3 2	3 29	27 30	16 7	2 55
S 6	14 28	27 49	4 51	19 11	1 16	3 47	0 58	20 59	1 4	2 27	1 10	16 28	1 6	23 39	0 17	5 5	1 16	25 1	4 56	3 0	3 28	27 28	16 7	2 56
M 7	14 10	28 36	5 5	18 47	1 23	3 16	0 55	20 51	1 4	2 22	1 10	16 26	1 6	23 39	0 17	5 4	1 15	25 1	4 56	2 58	3 27	27 27	16 7	2 56
T 8	13 51	28 4	5 7	18 19	1 29	2 45	0 53	20 43	1 5	2 18	1 10	16 24	1 6	23 39	0 17	5 4	1 15	25 1	4 56	2 55	3 25	27 26	16 7	2 56
W 9	13 32	26 15	4 55	17 50	1 34	2 14	0 50	20 34	1 5	2 13	1 9	16 22	1 6	23 39	0 17	5 3	1 15	25 0	4 57	2 52	3 24	27 25	16 7	2 57
T 10	13 12	23 15	4 31	17 18	1 38	1 43	0 48	20 25	1 5	2 8	1 9	16 19	1 6	23 39	0 17	5 2	1 15	25 0	4 57	2 49	3 23	27 24	16 7	2 57
F 11	12 53	19 15	3 54	16 44	1 41	1 11	0 45	20 17	1 6	2 3	1 9	16 17	1 6	23 39	0 17	5 1	1 15	25 0	4 57	2 46	3 22	27 23	16 7	2 57
S 12	12 33	14 26	3 6	16 9	1 44	0 40	0 43	20 8	1 6	1 58	1 9	16 15	1 7	23 39	0 17	5 0	1 15	25 0	4 57	2 44	3 20	27 22	16 7	2 57
S 13	12 13	8 59	2 9	15 32	1 46	0 9	0 40	19 59	1 6	1 53	1 9	16 12	1 7	23 39	0 17	4 59	1 15	25 0	4 57	2 42	3 19	27 21	16 7	2 58
M14	11 53	3 8	1 5	14 53	1 46	0s22	0 37	19 49	1 7	1 49	1 9	16 10	1 7	23 39	0 17	4 59	1 15	24 59	4 57	2 41	3 18	27 20	16 6	2 58
T 15	11 32	2s56	0s 3	14 13	1 47	0 54	0 34	19 40	1 7	1 44	1 9	16 8	1 7	23 38	0 17	4 58	1 15	24 59	4 57	2 41	3 17	27 19	16 6	2 58
W16	11 12	8 59	1 12	13 31	1 46	1 25	0 32	19 30	1 7	1 39	1 9	16 6	1 7	23 38	0 17	4 57	1 15	24 59	4 57	2 41	3 15	27 18	16 6	2 59
T 17	10 51	14 47	2 19	12 49	1 45	1 56	0 29	19 21	1 8	1 34	1 9	16 3	1 7	23 38	0 17	4 56	1 15	24 59	4 58	2 41	3 14	27 17	16 6	2 59
F 18	10 30	20 0	3 20	12 6	1 44	2 27	0 26	19 11	1 8	1 29	1 9	16 1	1 7	23 38	0 18	4 55	1 15	24 58	4 58	2 42	3 13	27 16	16 6	2 59
S 19	10 9	24 19	4 11	11 22	1 41	2 59	0 23	19 1	1 8	1 24	1 9	15 59	1 7	23 38	0 18	4 54	1 15	24 58	4 58	2 42	3 12	27 15	16 5	3 0
S 20	9 48	27 20	4 48	10 37	1 39	3 30	0 20	18 51	1 9	1 19	1 9	15 56	1 7	23 38	0 18	4 54	1 15	24 58	4 58	2 42	3 10	27 14	16 5	3 0
M21	9 26	28 39	5 9	9 52	1 35	4 1	0 17	18 41	1 9	1 14	1 9	15 54	1 7	23 38	0 18	4 53	1 15	24 58	4 58	2 42	3 9	27 12	16 5	3 0
T 22	9 5 28	2 5	11 9	6 1	32 4	32 0	13 18	31 1	9 1	9 1	8 15	52 1	8 23	38 0	18 4	52 1	15 24	58 4	58 2	40 3	8 27	11 16	5 3 1	
W23	8 43	25 28	4 52	8 20	1 28	5 3	0 10	18 21	1 9	1 4	1 8	15 50	1 8	23 38	0 18	4 51	1 15	24 58	4 58	2 39	3 7	27 10	16 4	3 1
T 24	8 21	21 11	4 14	7 34	1 23	5 34	0 7	18 10	1 10	0 59	1 8	15 47	1 8	23 38	0 18	4 50	1 15	24 57	4 59	2 37	3 5	27 9	16 4	3 1
F 25	7 59	15 34	3 19	6 48	1 19	6 48	0 4	18 0	1 10	0 54	1 8	15 45	1 8	23 37	0 18	4 49	1 15	24 57	4 59	2 36	3 4	27 8	16 4	3 1
S 26	7 37	9 9	2 11	6 1	1 13	6 35	0 0	17 49	1 10	0 49	1 8	15 43	1 8	23 37	0 18	4 48	1 15	24 57	4 59	2 35	3 3	27 7	16 3	3 2
S 27	7 15	2 21	0 56	5 14	1 8	7 6	0s 3	17 38	1 11	0 44	1 8	15 41	1 8	23 37	0 18	4 47	1 15	24 57	4 59	2 34	3 2	27 6	16 3	3 2
M28	6 53	4n23	0n21	4 28	1 2	7 36	0 6	17 27	1 11	0 39	1 8	15 38	1 8	23 37	0 18	4 47	1 15	24 57	4 59	2 34	3 0	27 4	16 3	3 2
T 29	6 30	10 44	1 34	3 41	0 56	8 6	0 10	17 16	1 11	0 34	1 8	15 36	1 8	23 37	0 18	4 46	1 15	24 57	4 59	2 34	2 59	27 3	16 2	3 3
W30	6																							

SWISS EPHEMERIS for the year 1447

SEPTEMBER 1447 JC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♆	♇	♈	♉	♊	♋	♌	♍
F 1	23 13 11	16 ^h 25'41"	2 ^h 11'17"	27 ^h 59'	23 ^h 52'	17 ^h 04'3"	1 ^h 51'	21 ^h 02'5"	7 ^h 01'10"	21 ^h 02'	0 ^h 04'42"	6 ^h 03'32"	7 ^h 07'20"	19 ^h 05'56"	24 ^h 03'38"			
S 2	23 17 7	17 ^h 24'17"	14 ^h 30'	29 ^h 39'	25 ^h 3'	18 ^h 21'	2 ^h 3'	21 ^h 32'	7 ^h 12'	21 ^h 4'	0 ^h 44'	6 ^h 03'33"	7 ^h 17'	20 ^h 3'	24 ^h 03'37"			
S 3	23 21 4	18 ^h 22'55"	2 ^h 6'31"	1 ^h 17'	26 ^h 15'	18 ^h 59'	2 ^h 16'	21 ^h 40'	7 ^h 13'	21 ^h 7'	0 ^h 45'	6 ^h 32'	7 ^h 14'	20 ^h 10'	24 ^h 36'			
M 4	23 25 0	19 ^h 21'35"	8 ^h 02'57"	2 ^h 55'	27 ^h 26'	19 ^h 37'	2 ^h 29'	21 ^h 47'	7 ^h 15'	21 ^h 9'	0 ^h 46'	6 ^h 31'	7 ^h 11'	20 ^h 16'	24 ^h 36'			
T 5	23 28 57	20 ^h 20'17"	2 ^h 0'17"	4 ^h 31'	28 ^h 37'	20 ^h 14'	2 ^h 42'	21 ^h 54'	7 ^h 17'	21 ^h 11'	0 ^h 47'	6 ^h 30'	7 ^h 8'	20 ^h 23'	24 ^h 35'			
W 6	23 32 54	21 ^h 19'02"	2 ^h 0'11"	6 ^h 7'	29 ^h 48'	20 ^h 52'	2 ^h 55'	22 ^h 1'	7 ^h 18'	21 ^h 13'	0 ^h 49'	6 ^h 28'	7 ^h 4'	20 ^h 30'	24 ^h 34'			
T 7	23 36 50	22 ^h 17'49"	14 ^h 11'	7 ^h 41'	0 ^h 05'59"	21 ^h 30'	3 ^h 7'	22 ^h 8'	7 ^h 20'	21 ^h 16'	0 ^h 50'	6 ^h 25'	7 ^h 1'	20 ^h 36'	24 ^h 33'			
F 8	23 40 47	23 ^h 16'38"	2 ^h 6'19"	9 ^h 15'	2 ^h 10'	22 ^h 7'	3 ^h 20'	22 ^h 15'	7 ^h 21'	21 ^h 18'	0 ^h 51'	6 ^h 23'	6 ^h 58'	20 ^h 43'	24 ^h 32'			
S 9	23 44 43	24 ^h 15'29"	8 ^h 07'37"	10 ^h 48'	3 ^h 21'	22 ^h 45'	3 ^h 33'	22 ^h 22'	7 ^h 23'	21 ^h 20'	0 ^h 52'	6 ^h 22'	6 ^h 55'	20 ^h 50'	24 ^h 31'			
S 10	23 48 40	25 ^h 14'22"	2 ^h 1 ^h 8'	12 ^h 20'	4 ^h 32'	23 ^h 22'	3 ^h 46'	22 ^h 29'	7 ^h 24'	21 ^h 22'	0 ^h 53'	6 ^h 21'	6 ^h 52'	20 ^h 57'	24 ^h 30'			
M11	23 52 36	26 ^h 13'17"	3 ^h 05'52"	13 ^h 50'	5 ^h 43'	24 ^h 0'	3 ^h 59'	22 ^h 35'	7 ^h 25'	21 ^h 25'	0 ^h 54'	6 ^h D20	6 ^h 48'	21 ^h 3'	24 ^h 28'			
T 12	23 56 33	27 ^h 12'15"	1 ^h 6'50"	15 ^h 20'	6 ^h 54'	24 ^h 37'	4 ^h 12'	22 ^h 42'	7 ^h 27'	21 ^h 27'	0 ^h 55'	6 ^h 20'	6 ^h 45'	21 ^h 10'	24 ^h 27'			
W13	0 0 29	28 ^h 11'14"	0 ^h 01' 1'	16 ^h 49'	8 ^h 4'	25 ^h 15'	4 ^h 25'	22 ^h 49'	7 ^h 28'	21 ^h 29'	0 ^h 56'	6 ^h 21'	6 ^h 42'	21 ^h 17'	24 ^h 26'			
T 14	0 4 26	29 ^h 10'15"	1 ^h 3'25"	18 ^h 17'	9 ^h 15'	25 ^h 52'	4 ^h 38'	22 ^h 56'	7 ^h 29'	21 ^h 31'	0 ^h 57'	6 ^h 22'	6 ^h 39'	21 ^h 24'	24 ^h 24'			
F 15	0 8 22	0 ^h 05'18"	2 ^h 7' 2'	19 ^h 44'	10 ^h 26'	26 ^h 30'	4 ^h 51'	23 ^h 2'	7 ^h 30'	21 ^h 33'	0 ^h 58'	6 ^h 22'	6 ^h 36'	21 ^h 30'	24 ^h 23'			
S 16	0 12 19	1 ^h 8'23"	10 ^h 07'51"	21 ^h 11'	11 ^h 36'	27 ^h 7'	5 ^h 4'	23 ^h 9'	7 ^h 31'	21 ^h 36'	0 ^h 59'	6 ^h 23'	6 ^h 33'	21 ^h 37'	24 ^h 21'			
S 17	0 16 16	2 ^h 7'30"	24 ^h 50'	22 ^h 36'	12 ^h 47'	27 ^h 44'	5 ^h 17'	23 ^h 15'	7 ^h 32'	21 ^h 38'	1 ^h 0'	6 ^h 23'	6 ^h 29'	21 ^h 44'	24 ^h 20'			
M18	0 20 12	3 ^h 6'38"	9 ^h 03' 0'	24 ^h 0'	13 ^h 57'	28 ^h 22'	5 ^h 30'	23 ^h 22'	7 ^h 33'	21 ^h 40'	1 ^h 1'	6 ^h R23	6 ^h 26'	21 ^h 50'	24 ^h 18'			
T 19	0 24 9	4 ^h 5'49"	23 ^h 16'	25 ^h 23'	15 ^h 8'	28 ^h 59'	5 ^h 43'	23 ^h 28'	7 ^h 34'	21 ^h 42'	1 ^h 2'	6 ^h 23'	6 ^h 23'	21 ^h 57'	24 ^h 16'			
W20	0 28 5	5 ^h 5'01"	7 ^h 03'38"	26 ^h 45'	16 ^h 18'	29 ^h 36'	5 ^h 56'	23 ^h 35'	7 ^h 35'	21 ^h 44'	1 ^h 3'	6 ^h 23'	6 ^h 20'	22 ^h 4'	24 ^h 14'			
T 21	0 32 2	6 ^h 4'14"	22 ^h 1'	28 ^h 6'	17 ^h 28'	0 ^h 07'14"	6 ^h 9'	23 ^h 41'	7 ^h 36'	21 ^h 47'	1 ^h 4'	6 ^h D23	6 ^h 17'	22 ^h 11'	24 ^h 13'			
F 22	0 35 58	7 ^h 3'30"	6 ^h 02'21"	29 ^h 26'	18 ^h 38'	0 ^h 51'	6 ^h 22'	23 ^h 47'	7 ^h 36'	21 ^h 49'	1 ^h 5'	6 ^h 23'	6 ^h 14'	22 ^h 17'	24 ^h 11'			
S 23	0 39 55	8 ^h 2'47"	20 ^h 33'	0 ^h 04'45"	19 ^h 48'	1 ^h 28'	6 ^h 35'	23 ^h 54'	7 ^h 37'	21 ^h 51'	1 ^h 6'	6 ^h 23'	6 ^h 10'	22 ^h 24'	24 ^h 9'			
S 24	0 43 51	9 ^h 2'06"	4 ^h 07'34"	2 ^h 2'	20 ^h 58'	2 ^h 5'	6 ^h 48'	24 ^h 0'	7 ^h 38'	21 ^h 53'	1 ^h 7'	6 ^h R23	6 ^h 7'	22 ^h 31'	24 ^h 7'			
M25	0 47 48	10 ^h 1'28"	18 ^h 39'	3 ^h 18'	22 ^h 8'	2 ^h 42'	7 ^h 1'	24 ^h 6'	7 ^h 38'	21 ^h 55'	1 ^h 7'	6 ^h 23'	6 ^h 4'	22 ^h 37'	24 ^h 5'			
T 26	0 51 45	11 ^h 0'51"	1 ^h 03'45"	4 ^h 33'	23 ^h 18'	3 ^h 20'	7 ^h 14'	24 ^h 12'	7 ^h 39'	21 ^h 57'	1 ^h 8'	6 ^h 22'	6 ^h 1'	22 ^h 44'	24 ^h 2'			
W27	0 55 41	12 ^h 0'17"	14 ^h 52'	5 ^h 46'	24 ^h 28'	3 ^h 57'	7 ^h 27'	24 ^h 18'	7 ^h 39'	22 ^h 0'	1 ^h 9'	6 ^h 22'	5 ^h 58'	22 ^h 51'	24 ^h 0'			
T 28	0 59 38	12 ^h 59'45"	27 ^h 40'	6 ^h 57'	25 ^h 37'	4 ^h 34'	7 ^h 40'	24 ^h 24'	7 ^h 40'	22 ^h 2'	1 ^h 10'	6 ^h 21'	5 ^h 54'	22 ^h 58'	23 ^h 58'			
F 29	1 3 34	13 ^h 59'15"	10 ^h 02' 9"	8 ^h 7'	26 ^h 47'	5 ^h 11'	7 ^h 53'	24 ^h 30'	7 ^h 40'	22 ^h 4'	1 ^h 10'	6 ^h 20'	5 ^h 51'	23 ^h 4'	23 ^h 56'			
S 30	1 7 31	14 ^h 05'48"	22 ^h 02'24"	9 ^h 01'15"	27 ^h 05'56"	5 ^h 07'48"	8 ^h 6'	24 ^h 03'36"	7 ^h 04'40"	22 ^h 06'	1 ^h 01'11"	6 ^h 07'19"	5 ^h 07'48"	23 ^h 05'11"	23 ^h 05'53"			

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
F 1	5n22	24n56	4n21	1n23	0n38	9s36	0s20	16n43	1n12	0n18	1n 8	15n29	1n 9	23n37	0n18	4n43	1n15	24n56	5n 0	2n36	2n55	27n 0	16n 1	3s 4
S 2	4 59	27 27	4 52	0 37	0 31	10 6	0 24	16 31	1 13	0 13	1 8	15 27	1 9	23 37	0 18	4 42	1 15	24 56	5 0	2 36	2 54	26 58	16 1	3 4
S 3	4 37	28 38	5 10	0s 9	0 24	10 35	0 27	16 20	1 13	0 8	1 8	15 25	1 9	23 37	0 18	4 41	1 15	24 56	5 0	2 36	2 53	26 57	16 0	3 4
M 4	4 13	28 29	5 15	0 54	0 17	11 4	0 31	16 8	1 13	0 3	1 8	15 23	1 9	23 37	0 18	4 40	1 15	24 56	5 0	2 36	2 51	26 56	16 0	3 4
T 5	3 50	27 1	5 6	1 39	0 10	11 33	0 34	15 57	1 13	0s 2	1 8	15 21	1 9	23 37	0 18	4 40	1 15	24 56	5 1	2 35	2 50	26 55	15 59	3 5
W 6	3 27	24 21	4 44	2 23	0 3	12 2	0 38	15 45	1 14	0 7	1 8	15 18	1 9	23 37	0 18	4 39	1 15	24 56	5 1	2 34	2 49	26 53	15 59	3 5
T 7	3 4	20 36	4 10	3 7	0s 4	12 30	0 41	15 33	1 14	0 13	1 8	15 16	1 9	23 37	0 18	4 38	1 15	24 56	5 1	2 33	2 48	26 52	15 58	3 5
F 8	2 41	15 58	3 24	3 51	0 12	12 58	0 45	15 21	1 14	0 18	1 8	15 14	1 10	23 36	0 18	4 37	1 15	24 55	5 1	2 33	2 46	26 51	15 58	3 6
S 9	2 17	10 38	2 27	4 34	0 19	13 26	0 49	15 9	1 14	0 23	1 8	15 12	1 10	23 36	0 18	4 36	1 15	24 55	5 1	2 32	2 45	26 50	15 57	3 6
S 10	1 54	4 48	1 23	5 17	0 26	13 54	0 52	14 57	1 15	0 28	1 8	15 10	1 10	23 36	0 18	4 35	1 15	24 55	5 1	2 32	2 44	26 48	15 56	3 6
M11	1 30	1s20	0 14	6 0	0 34	14 21	0 56	14 45	1 15	0 33	1 8	15 8	1 10	23 36	0 18	4 34	1 15	24 55	5 2	2 31	2 43	26 47	15 56	3 7
T 12	1 7	7 31	0s58	6 41	0 41	14 48	1 0	14 32	1 15	0 38	1 8	15 6	1 10	23 36	0 18	4 33	1 16	24 55	5 2	2 32	2 41	26 46	15 55	3 7
W13	0 43	13 30	2 7	7 22	0 48	15 14																		

SWISS EPHEMERIS for the year 1447

OCTOBER 1447 JC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
S 1	1 11 27	15 ⁵⁸ 58'23	4 ²⁶ 26	10 ¹¹ 20	29 ¹¹ 6	6 ¹¹ 25	8 ¹⁹ 19	24 ¹¹ 41	7 ²⁶ 41	22 ¹¹ 8	1 ¹¹ 12	6 ¹¹ R19	5 ¹¹ Y45	23 ¹¹ 18	23 ¹¹ R51
M 2	1 15 24	16 ⁵⁸ 00	16 ²¹	11 ²⁴	0 ¹⁵ 15	7 ²	8 ³²	24 ⁴⁷	7 ⁴¹	22 ¹⁰	1 ¹²	6 ¹¹ D18	5 ⁴²	23 ²⁴	23 ¹¹ R49
T 3	1 19 20	17 ⁵⁷ 40	28 ¹⁴	12 ²⁵	1 ²⁴	7 ³⁹	8 ⁴⁵	24 ⁵³	7 ⁴¹	22 ¹²	1 ¹³	6 ¹¹ Y19	5 ³⁹	23 ³¹	23 ¹¹ 46
W 4	1 23 17	18 ⁵⁷ 21	10 ¹¹ 8	13 ²³	2 ³³	8 ¹⁶	8 ⁵⁸	24 ⁵⁸	7 ⁴¹	22 ¹⁴	1 ¹³	6 ¹¹ R19	5 ³⁵	23 ³⁸	23 ¹¹ 43
T 5	1 27 14	19 ⁵⁷ 05	22 ⁹	14 ¹⁸	3 ⁴²	8 ⁵³	9 ¹¹	25 ⁴	7 ⁴¹ R41	22 ¹⁶	1 ¹⁴	6 ¹¹ 20	5 ³²	23 ⁴⁵	23 ¹¹ 41
F 6	1 31 10	20 ⁵⁶ 51	4 ¹¹ 20	15 ⁹	4 ⁵¹	9 ³⁰	9 ²⁴	25 ⁹	7 ⁴¹	22 ¹⁸	1 ¹⁵	6 ¹¹ 22	5 ²⁹	23 ⁵¹	23 ¹¹ 38
S 7	1 35 7	21 ⁵⁶ 40	16 ⁴⁶	15 ⁵⁷	6 ⁰	10 ⁷	9 ³⁶	25 ¹⁴	7 ⁴¹	22 ²⁰	1 ¹⁵	6 ¹¹ 23	5 ²⁶	23 ⁵⁸	23 ¹¹ 36
S 8	1 39 3	22 ⁵⁶ 30	29 ²⁹	16 ⁴¹	7 ⁸	10 ⁴³	9 ⁴⁹	25 ²⁰	7 ⁴¹	22 ²²	1 ¹⁵	6 ¹¹ 24	5 ²³	24 ⁵	23 ¹¹ 33
M 9	1 43 0	23 ⁵⁶ 23	12 ¹¹ 30	17 ²⁰	8 ¹⁷	11 ²⁰	10 ²	25 ²⁵	7 ⁴¹	22 ²⁴	1 ¹⁶	6 ¹¹ R24	5 ²⁰	24 ¹¹	23 ¹¹ 30
T 10	1 46 56	24 ⁵⁶ 17	25 ⁵⁰	17 ⁵⁴	9 ²⁵	11 ⁵⁷	10 ¹⁵	25 ³⁰	7 ⁴⁰	22 ²⁶	1 ¹⁶	6 ¹¹ 23	5 ¹⁶	24 ¹⁸	23 ¹¹ 27
W 11	1 50 53	25 ⁵⁶ 14	9 ¹¹ 27	18 ²³	10 ³⁴	12 ³⁴	10 ²⁸	25 ³⁵	7 ⁴⁰	22 ²⁸	1 ¹⁷	6 ¹¹ 21	5 ¹³	24 ²⁵	23 ¹¹ 24
T 12	1 54 49	26 ⁵⁶ 13	23 ¹⁹	18 ⁴⁵	11 ⁴²	13 ¹¹	10 ⁴¹	25 ⁴⁰	7 ⁴⁰	22 ³⁰	1 ¹⁷	6 ¹¹ 18	5 ¹⁰	24 ³²	23 ¹¹ 22
F 13	1 58 46	27 ⁵⁶ 13	7 ¹¹ 23	19 ¹	12 ⁵⁰	13 ⁴⁷	10 ⁵³	25 ⁴⁵	7 ³⁹	22 ³²	1 ¹⁷	6 ¹¹ 15	5 ⁷	24 ³⁸	23 ¹¹ 19
S 14	2 2 43	28 ⁵⁶ 15	21 ³⁴	19 ⁹	13 ⁵⁸	14 ²⁴	11 ⁶	25 ⁵⁰	7 ³⁹	22 ³⁴	1 ¹⁸	6 ¹¹ 12	5 ⁴	24 ⁴⁵	23 ¹¹ 16
S 15	2 6 39	29 ⁵⁶ 19	5 ¹¹ 48	19 ¹¹ R10	15 ⁶	15 ¹	11 ¹⁹	25 ⁵⁴	7 ³⁹	22 ³⁶	1 ¹⁸	6 ¹¹ 10	5 ⁰	24 ⁵²	23 ¹¹ 13
M 16	2 10 36	0 ¹¹ 56'25	20 ³	19 ¹	16 ¹⁴	15 ³⁷	11 ³¹	25 ⁵⁹	7 ³⁸	22 ³⁸	1 ¹⁸	6 ¹¹ 8	4 ⁵⁷	24 ⁵⁸	23 ¹¹ 10
T 17	2 14 32	1 ⁵⁶ 32	4 ¹¹ 15	18 ⁴⁴	17 ²¹	16 ¹⁴	11 ⁴⁴	26 ⁴	7 ³⁷	22 ³⁹	1 ¹⁸	6 ¹¹ D 8	4 ⁵⁴	25 ⁵	23 ¹¹ 7
W 18	2 18 29	2 ⁵⁶ 40	18 ²²	18 ¹⁷	18 ²⁸	16 ⁵⁰	11 ⁵⁷	26 ⁸	7 ³⁷	22 ⁴¹	1 ¹⁹	6 ¹¹ 8	4 ⁵¹	25 ¹²	23 ¹¹ 4
T 19	2 22 25	3 ⁵⁶ 50	2 ¹¹ 23	17 ⁴⁰	19 ³⁶	17 ²⁷	12 ⁹	26 ¹²	7 ³⁶	22 ⁴³	1 ¹⁹	6 ¹¹ 10	4 ⁴⁸	25 ¹⁹	23 ¹¹ 0
F 20	2 26 22	4 ⁵⁷ 01	16 ¹⁶	16 ⁵⁴	20 ⁴³	18 ³	12 ²²	26 ¹⁷	7 ³⁵	22 ⁴⁵	1 ¹⁹	6 ¹¹ 11	4 ⁴⁵	25 ²⁵	22 ⁵⁷
S 21	2 30 18	5 ⁵⁷ 14	29 ⁵⁹	15 ⁵⁹	21 ⁵⁰	18 ⁴⁰	12 ³⁴	26 ²¹	7 ³⁵	22 ⁴⁷	1 ¹⁹	6 ¹¹ R12	4 ⁴¹	25 ³²	22 ⁵⁴
S 22	2 34 15	6 ⁵⁷ 29	13 ¹¹ Y35	14 ⁵⁵	22 ⁵⁶	19 ¹⁶	12 ⁴⁷	26 ²⁵	7 ³⁴	22 ⁴⁸	1 ¹⁹	6 ¹¹ 12	4 ³⁸	25 ³⁹	22 ⁵¹
M 23	2 38 12	7 ⁵⁷ 45	26 ⁵⁵	13 ⁴⁴	24 ³	19 ⁵³	12 ⁵⁹	26 ²⁹	7 ³³	22 ⁵⁰	1 ¹⁹	6 ¹¹ 11	4 ³⁵	25 ⁴⁵	22 ⁴⁸
T 24	2 42 8	8 ⁵⁸ 03	10 ¹¹ 3	12 ²⁸	25 ⁹	20 ²⁹	13 ¹¹	26 ³³	7 ³²	22 ⁵²	1 ¹⁹	6 ¹¹ 7	4 ³²	25 ⁵²	22 ⁴⁵
W 25	2 46 5	9 ⁵⁸ 23	22 ⁵⁸	11 ⁹	26 ¹⁵	21 ⁵	13 ²⁴	26 ³⁷	7 ³¹	22 ⁵³	1 ¹⁹ R19	6 ¹¹ 3	4 ²⁹	25 ⁵⁹	22 ⁴¹
T 26	2 50 1	10 ⁵⁸ 45	5 ¹¹ 37	9 ⁴⁹	27 ²¹	21 ⁴¹	13 ³⁶	26 ⁴¹	7 ³⁰	22 ⁵⁵	1 ¹⁹	5 ⁵⁶	4 ²⁵	26 ⁶	22 ³⁸
F 27	2 53 58	11 ⁵⁹ 08	18 ³	8 ³¹	28 ²⁷	22 ¹⁸	13 ⁴⁸	26 ⁴⁴	7 ²⁹	22 ⁵⁷	1 ¹⁹	5 ⁵⁰	4 ²²	26 ¹²	22 ³⁵
S 28	2 57 54	12 ⁵⁹ 33	0 ¹¹ 15	7 ¹⁷	29 ³²	22 ⁵⁴	14 ¹	26 ⁴⁸	7 ²⁷	22 ⁵⁸	1 ¹⁹	5 ⁴³	4 ¹⁹	26 ¹⁹	22 ³¹
S 29	3 1 51	14 ⁰ 01	12 ¹⁷	6 ¹⁰	0 ¹¹ 38	23 ³⁰	14 ¹³	26 ⁵¹	7 ²⁶	23 ⁰	1 ¹⁹	5 ³⁸	4 ¹⁶	26 ²⁶	22 ²⁸
M 30	3 5 47	15 ⁰ 30	24 ¹²	5 ¹²	1 ⁴³	24 ⁶	14 ²⁵	26 ⁵⁵	7 ²⁵	23 ¹	1 ¹⁹	5 ³⁴	4 ¹³	26 ³²	22 ²⁵
T 31	3 9 44	16 ¹¹ 00	6 ¹¹ 3	4 ¹¹ 24	2 ¹¹ 47	24 ¹¹ 42	14 ¹¹ 37	26 ¹¹ 58	7 ²⁴	23 ¹¹ 3	1 ¹⁹ R19	5 ¹¹ Y31	4 ¹¹ Y10	26 ¹¹ 39	22 ¹¹ 21

Day	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	6s18	28n42	5n16	17s34	2s44	22s 4	2s 6	10n26	1n20	2s16	1n 8	14n29	1n13	23n36	0n19	4n17	1n16	24n55	5n 5	2n31	2n17	26n20	15n42	3s12
M 2	6 41	27 40	5 12	17 58	2 49	22 22	2 9	10 12	1 20	2 21	1 8	14 27	1 13	23 36	0 19	4 17	1 16	24 55	5 6	2 31	2 16	26 18	15 41	3 12
T 3	7 4	25 22	4 54	18 21	2 52	22 40	2 12	9 58	1 21	2 27	1 8	14 25	1 13	23 36	0 19	4 16	1 16	24 55	5 6	2 31	2 15	26 17	15 40	3 12
W 4	7 27	21 59	4 23	18 42	2 56	22 57	2 15	9 45	1 21	2 32	1 8	14 24	1 14	23 36	0 19	4 15	1 16	24 55	5 6	2 31	2 14	26 15	15 39	3 13
T 5	7 49	17 39	3 41	19 1	2 59	23 13	2 18	9 31	1 21	2 37	1 8	14 22	1 14	23 36	0 19	4 14	1 16	24 55	5 6	2 32	2 12	26 14	15 38	3 13
F 6	8 12	12 33	2 48	19 19	3 1	23 29	2 21	9 17	1 21	2 42	1 8	14 20	1 14	23 36	0 19	4 14	1 16	24 55	5 6	2 32	2 11	26 13	15 37	3 13
S 7	8 34	6 52	1 46	19 35	3 3	23 44	2 24	9 4	1 22	2 47	1 8	14 19	1 14	23 36	0 19	4 13	1 16	24 55	5 7	2 33	2 10	26 11	15 36	3 13
S 8	8 57	0 47	0 38	19 48	3 4	23 59	2 27	8 50	1 22	2 52	1 8	14 17	1 14	23 36	0 19	4 12	1 16	24 56	5 7	2 33	2 9	26 10	15 35	3 14
M 9	9 19	5s28	0s34	20 0	3 4	24 13	2 30	8 36	1 22	2 57	1 8	14 16	1 15	23 36	0 19	4 11	1 16	24 56	5 7	2 33	2 7	26 8	15 35	3 14
T 10	9 41	11 39	1 45	20 9	3 3	24 26	2 32	8 22	1 22	3 2	1 8	14 14	1 15	23 36	0 19	4 11	1 16	24 56	5 7	2 32	2 6	26 7	15 34	3 14
W 11	10 3	17 24	2 52	20 16	3 2	24 39	2 35	8 8	1 23	3 7	1 8	14 12	1 15	23 36	0 19	4 10	1 16	24 56	5 7	2 32	2 5	26 5	15 33	3 14
T 12	10 25	22 22	3 50	20 19	2 59	24 51	2 37	7 54	1 23	3 12	1 8	14 11	1 15	23 36	0 19	4 9	1 16	24 56	5 8	2 31	2 4	26 4	15 32	3 15
F 13	10 46	26 8	4 35	20 20	2 55	25 3	2 40	7 40	1 23	3 17	1 8	14 9	1 15	23 36	0 19	4 8	1 16	24 56	5 8	2 29	2 2	26 2	15 31	3 15
S 14	11 8	28 18	5 4	20 18	2 50	25 14	2 42	7 26	1 23	3 22	1 8	14 8	1 16	23 36	0 19	4 8	1 16	24 56	5 8	2 28	2 1	26 0	15 30	3 15
S 15	11 29	28 37	5 14	20 12	2 44	25 24	2 45	7 12	1 23	3 27	1 8	14 7	1 16	23 36	0 19	4 7	1 16	24 56	5 8	2 27	2 0	25 59	15 29	3 15
M 16	11 50	27 2	5 5	20 2	2 36	25 34	2 47	6 58	1 24	3 32	1 8	14 5	1 16	23 36	0 19	4 6	1 16	24 57	5 9	2 27	1 58	25 57	15 28	3 15
T 17	12 11	23 44	4 37	19 48	2 27	25 43	2 49	6 44	1 24	3 36	1 8	14 4	1 16	23 37	0 19	4 5	1 16	24 57	5 9	2 26	1 57	25 56	15 27	3 16
W 18	12 32	19 3	3 53	19 30	2 16	25 51	2 51	6 30	1 24	3 41	1 8	14 3	1 16	23 37	0 19	4 5	1 16	24 57	5 9	2 27	1 56	25 54	15 26	3 16
T 19	12 52	13 23	2 55	19 7	2 3	25 59	2 53	6 16	1 24	3 46	1 8	14 1	1 17	23 37	0 19	4 4	1 16	24 57	5 9	2 27	1 55	25 53	15 25	3 16
F 20	13 13	7 5	1 47	18 40	1 48	26 5	2 55	6 2	1 24	3 51	1 8	14 0	1 17	23 37	0 19	4 3	1 16	24 57	5 9	2 28	1 53	25 51	15 24	3 16
S 21	13 33	0 31	0 34	18 8	1 32	26 12	2 56	5 48	1 25	3 56	1 9	13 59	1 17	23 37	0 19	4 3	1							

SWISS EPHEMERIS for the year 1447

NOVEMBER 1447 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	3 13 41	17♌ 1'33	17♌55	3°R48	3♌52	25♍19	14♌49	27♌ 1	7°R22	23♍ 4	1°R19	5°D31	4°Y 6	26♌46	22°R18	
T 2	3 17 37	18° 2'07	29°54	3♌23	4°56	25°55	15° 1	27° 4	7♌21	23° 6	1°R18	5°Y31	4° 3	26°53	22♌15	
F 3	3 21 34	19° 2'43	12♍ 5	3°10	6° 1	26°31	15°13	27° 7	7°20	23° 7	1°18	5°33	4° 0	26°59	22°11	
S 4	3 25 30	20° 3'21	24°31	3°D 8	7° 4	27° 7	15°24	27°10	7°18	23° 9	1°18	5°34	3°57	27° 6	22° 8	
S 5	3 29 27	21° 4'01	7♌19	3°17	8° 8	27°42	15°36	27°13	7°17	23°10	1°18	5°R35	3°54	27°13	22° 5	
M 6	3 33 23	22° 4'42	20°29	3°36	9°11	28°18	15°48	27°16	7°15	23°11	1°17	5°34	3°51	27°19	22° 1	
T 7	3 37 20	23° 5'25	4♌ 5	4° 4	10°14	28°54	16° 0	27°18	7°13	23°13	1°17	5°30	3°47	27°26	21°58	
W 8	3 41 16	24° 6'09	18° 4	4°40	11°17	29°30	16°11	27°21	7°12	23°14	1°17	5°25	3°44	27°33	21°54	
T 9	3 45 13	25° 6'55	2♌23	5°24	12°19	0♌ 6	16°23	27°23	7°10	23°15	1°16	5°17	3°41	27°40	21°51	
F 10	3 49 10	26° 7'42	16°56	6°15	13°21	0°42	16°34	27°25	7° 8	23°17	1°16	5° 9	3°38	27°46	21°48	
S 11	3 53 6	27° 8'31	1♌36	7°11	14°23	1°17	16°46	27°27	7° 7	23°18	1°15	5° 1	3°35	27°53	21°44	
S 12	3 57 3	28° 9'20	16°16	8°12	15°24	1°53	16°57	27°29	7° 5	23°19	1°15	4°53	3°31	28° 0	21°41	
M13	4 0 59	29°10'11	0♌49	9°18	16°25	2°29	17° 8	27°31	7° 3	23°20	1°14	4°48	3°28	28° 6	21°37	
T 14	4 4 56	0♌11'02	15° 9	10°27	17°26	3° 4	17°19	27°33	7° 1	23°21	1°14	4°44	3°25	28°13	21°34	
W15	4 8 52	1°11'54	29°16	11°40	18°26	3°40	17°30	27°35	6°59	23°22	1°13	4°D43	3°22	28°20	21°31	
T 16	4 12 49	2°12'47	13♌ 6	12°55	19°26	4°15	17°41	27°37	6°57	23°23	1°13	4°44	3°19	28°27	21°27	
F 17	4 16 45	3°13'40	26°42	14°13	20°25	4°50	17°52	27°38	6°55	23°24	1°12	4°45	3°16	28°33	21°24	
S 18	4 20 42	4°14'35	10°Y 4	15°33	21°24	5°26	18° 3	27°40	6°53	23°25	1°11	4°R45	3°12	28°40	21°21	
S 19	4 24 39	5°15'30	23°14	16°54	22°22	6° 1	18°14	27°41	6°51	23°26	1°11	4°43	3° 9	28°47	21°18	
M20	4 28 35	6°16'26	6♌12	18°17	23°20	6°36	18°25	27°42	6°49	23°27	1°10	4°39	3° 6	28°53	21°14	
T 21	4 32 32	7°17'23	18°59	19°42	24°17	7°12	18°35	27°43	6°47	23°28	1° 9	4°32	3° 3	29° 0	21°11	
W22	4 36 28	8°18'21	1♌36	21° 7	25°14	7°47	18°46	27°44	6°45	23°29	1° 9	4°22	3° 0	29° 7	21° 8	
T 23	4 40 25	9°19'20	14° 2	22°34	26°10	8°22	18°56	27°45	6°42	23°30	1° 8	4°10	2°57	29°14	21° 5	
F 24	4 44 21	10°20'20	26°19	24° 1	27° 6	8°57	19° 6	27°46	6°40	23°31	1° 7	3°57	2°53	29°20	21° 2	
S 25	4 48 18	11°21'21	8♌25	25°29	28° 1	9°32	19°17	27°46	6°38	23°32	1° 6	3°44	2°50	29°27	20°58	
S 26	4 52 15	12°22'22	20°24	26°58	28°56	10° 7	19°27	27°47	6°36	23°32	1° 6	3°33	2°47	29°34	20°55	
M27	4 56 11	13°23'25	2♌17	28°27	29°49	10°42	19°37	27°47	6°33	23°33	1° 5	3°23	2°44	29°40	20°52	
T 28	5 0 8	14°24'28	14° 6	29°57	0♌42	11°17	19°47	27°48	6°31	23°34	1° 4	3°16	2°41	29°47	20°49	
W29	5 4 4	15°25'32	25°56	1♌27	1°35	11°52	19°57	27°48	6°29	23°34	1° 3	3°12	2°37	29°54	20°46	
T 30	5 8 1	16°26'38	7♌52	2♌57	2♌27	12°26	20♌ 6	27°R48	6♌26	23♍35	1° 2	3°Y10	2°Y34	0° 0	20♌43	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
W 1	16s58	19n 8	3n49	11s 7	1n49	26s35	3s 8	3n12	1n27	4s47	1n 9	13n47	1n19	23n38	0n19	3n56
T 2	17 15	14 22	3 1	10 48	2 0	26 33	3 8	2 58	1 27	4 52	1 9	13 46	1 19	23 38	0 19	3 56
F 3	17 32	8 57	2 4	10 35	2 9	26 31	3 8	2 43	1 27	4 56	1 10	13 45	1 20	23 38	0 19	3 55
S 4	17 49	3 6	0 59	10 27	2 16	26 27	3 8	2 29	1 27	5 1	1 10	13 45	1 20	23 38	0 19	3 55
S 5	18 5	3s 3	0s 9	10 25	2 22	26 24	3 8	2 15	1 27	5 5	1 10	13 44	1 20	23 38	0 19	3 54
M 6	18 21	9 15	1 20	10 28	2 26	26 19	3 8	2 1	1 28	5 10	1 10	13 43	1 20	23 38	0 19	3 54
T 7	18 36	15 14	2 27	10 36	2 28	26 14	3 7	1 47	1 28	5 14	1 10	13 42	1 21	23 38	0 19	3 53
W 8	18 51	20 36	3 28	10 47	2 29	26 8	3 7	1 33	1 28	5 18	1 10	13 42	1 21	23 39	0 20	3 53
T 9	19 6	24 54	4 17	11 2	2 28	26 2	3 6	1 19	1 28	5 23	1 10	13 41	1 21	23 39	0 20	3 52
F 10	19 21	27 41	4 51	11 20	2 27	25 55	3 5	1 4	1 28	5 27	1 10	13 41	1 21	23 39	0 20	3 52
S 11	19 35	28 35	5 5	11 41	2 24	25 47	3 4	0 50	1 29	5 31	1 10	13 40	1 22	23 39	0 20	3 51
S 12	19 49	27 29	5 0	12 3	2 21	25 39	3 3	0 36	1 29	5 36	1 11	13 40	1 22	23 39	0 20	3 51
M13	20 2 24	31 4	3 5	12 28	2 17	25 30	3 1	0 22	1 29	5 40	1 11	13 39	1 22	23 39	0 20	3 50
T 14	20 15	20 3	3 53	12 54	2 13	25 21	3 0	0 8	1 29	5 44	1 11	13 39	1 22	23 39	0 20	3 50
W15	20 28	14 33	2 58	13 21	2 8	25 11	2 58	0s 6	1 29	5 48	1 11	13 38	1 22	23 39	0 20	3 50
T 16	20 40	8 24	1 53	13 49	2 2	25 0	2 56	0 20	1 29	5 52	1 11	13 38	1 23	23 39	0 20	3 49
F 17	20 52	1 58	0 43	14 18	1 56	24 49	2 54	0 34	1 29	5 56	1 11	13 38	1 23	23 40	0 20	3 49
S 18	21 4	4n26	0n28	14 47	1 50	24 38	2 51	0 48	1 30	6 0	1 11	13 37	1 23	23 40	0 20	3 48
S 19	21 15	10 33	1 37	15 17	1 44	24 26	2 49	1 1	1 30	6 4	1 11	13 37	1 23	23 40	0 20	3 48
M20	21 25	16 8	2 39	15 47	1 37	24 13	2 46	1 15	1 30	6 8	1 12	13 37	1 24	23 40	0 20	3 48
T 21	21 36	20 55	3 33	16 16	1 30	24 0	2 43	1 29	1 30	6 12	1 12	13 37	1 24	23 40	0 20	3 47
W22	21 46	24 42	4 14	16 46	1 23	23 47	2 40	1 43	1 30	6 16	1 12	13 37	1 24	23 40	0 20	3 47
T 23	21 55	27 15	4 44	17 15	1 16	23 33	2 37	1 57	1 30	6 20	1 12	13 37	1 24	23 40	0 20	3 47
F 24	22 4 28	27 4	5 9	17 44	1 8	23 18	2 33	2 10	1 30	6 24	1 12	13 37	1 25	23 40	0 20	3 47
S 25	22 13	28 15	5 1	18 12	1 1	23 4	2 29	2 24	1 31	6 27	1 12	13 37	1 25	23 41	0 20	3 46
S 26	22 21	26 43	4 49	18 40	0 54	22 48	2 25	2 38	1 31	6 31	1 12	13 37	1 25	23 41	0 20	3 46
M27	22 29	24 0	4 25	19 7	0 46	22 33	2 21	2 51	1 31	6 35	1 12	13 37	1 25	23 41	0 20	3 46
T 28	22 36	20 18	3 49	19 34	0 39	22 17	2 17	3 5	1 31	6 38	1 13	13 37	1 25	23 41	0 20	3 46
W29	22 43	15 47	3 4	20 0	0 32	22 1	2 12	3 18	1 31	6 42	1 13	13 37	1 26	23 41	0 20	3 45
T 30	22s49	10n39	2n10	20s25	0n24	21s44	2s 7	3s32	1n31	6s45	1n13	13n37	1n26	23n41	0n20	3n45

Julian Day Number = 2249878.5, Delta T = 257.92 sec
 Ecliptic obliquity = 23°30'49", Nutation = - 0°00'02"
 Ayanamsha: Fagan/Bradley = 17°02'14", Lahiri = 16°09'13" Julian Calendar 1 Nov. 1447 == Greg. Calendar 10 Nov. 1447

SWISS EPHEMERIS for the year 1447

DECEMBER 1447 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
F 1	5 11 57	17 ^h 27 ^m 44 ^s	19 ^h 58 ^m	4 ^h 28 ^m	3 ^h 18 ^m	13 ^h 01 ^m	20 ^h 16 ^m	27 ^h R48	6 ^h R24	23 ^h 36 ^m	1 ^h R 1	3 ^h D10	2 ^h Y31	0 ^h Ω 7	20 ^h R40	
S 2	5 15 54	18 ^h 28 ^m 51 ^s	2 ^h 21 ^m	5 ^h 59 ^m	4 ^h 8 ^m	13 ^h 36 ^m	20 ^h 26 ^m	27 ^h Ω48	6 ^h Ω21	23 ^h 36 ^m	1 ^h Ω 0	3 ^h R10	2 ^h °28	0 ^h °14	20 ^h Ω37	
S 3	5 19 50	19 ^h 29 ^m 58 ^s	15 ^h 5 ^m	7 ^h 30 ^m	4 ^h 57 ^m	14 ^h 10 ^m	20 ^h 35 ^m	27 ^h °47	6 ^h °19	23 ^h 37 ^m	0 ^h °59	3 ^h Y 9	2 ^h °25	0 ^h °21	20 ^h °35	
M 4	5 23 47	20 ^h 31 ^m 07 ^s	28 ^h 14 ^m	9 ^h 2 ^m	5 ^h 46 ^m	14 ^h 45 ^m	20 ^h 44 ^m	27 ^h °47	6 ^h °17	23 ^h 37 ^m	0 ^h °58	3 ^h ° 7	2 ^h °22	0 ^h °27	20 ^h °32	
T 5	5 27 44	21 ^h 32 ^m 16 ^s	11 ^h 52 ^m	10 ^h 34 ^m	6 ^h 34 ^m	15 ^h 19 ^m	20 ^h 54 ^m	27 ^h °46	6 ^h °14	23 ^h 38 ^m	0 ^h °57	3 ^h ° 2	2 ^h °18	0 ^h °34	20 ^h °29	
W 6	5 31 40	22 ^h 33 ^m 26 ^s	26 ^h 0 ^m	12 ^h 6 ^m	7 ^h 20 ^m	15 ^h 54 ^m	21 ^h 3 ^m	27 ^h °46	6 ^h °12	23 ^h 38 ^m	0 ^h °56	2 ^h °55	2 ^h °15	0 ^h °41	20 ^h °26	
T 7	5 35 37	23 ^h 34 ^m 37 ^s	10 ^h 34 ^m	13 ^h 38 ^m	8 ^h 6 ^m	16 ^h 28 ^m	21 ^h 12 ^m	27 ^h °45	6 ^h ° 9	23 ^h 38 ^m	0 ^h °55	2 ^h °44	2 ^h °12	0 ^h °47	20 ^h °24	
F 8	5 39 33	24 ^h 35 ^m 48 ^s	25 ^h 27 ^m	15 ^h 11 ^m	8 ^h 51 ^m	17 ^h 2 ^m	21 ^h 21 ^m	27 ^h °44	6 ^h ° 7	23 ^h 39 ^m	0 ^h °54	2 ^h °33	2 ^h ° 9	0 ^h °54	20 ^h °21	
S 9	5 43 30	25 ^h 37 ^m 00 ^s	10 ^h 33 ^m	16 ^h 44 ^m	9 ^h 35 ^m	17 ^h 36 ^m	21 ^h 29 ^m	27 ^h °43	6 ^h ° 4	23 ^h 39 ^m	0 ^h °53	2 ^h °21	2 ^h ° 6	1 ^h ° 1	20 ^h °18	
S 10	5 47 26	26 ^h 38 ^m 11 ^s	25 ^h 39 ^m	18 ^h 17 ^m	10 ^h 18 ^m	18 ^h 11 ^m	21 ^h 38 ^m	27 ^h °42	6 ^h ° 1	23 ^h 39 ^m	0 ^h °52	2 ^h °10	2 ^h ° 3	1 ^h ° 8	20 ^h °16	
M11	5 51 23	27 ^h 39 ^m 23 ^s	10 ^h 36 ^m	19 ^h 50 ^m	10 ^h 59 ^m	18 ^h 45 ^m	21 ^h 47 ^m	27 ^h °41	5 ^h °59	23 ^h 40 ^m	0 ^h °51	2 ^h ° 1	1 ^h °59	1 ^h °14	20 ^h °13	
T 12	5 55 19	28 ^h 40 ^m 35 ^s	25 ^h 16 ^m	21 ^h 24 ^m	11 ^h 40 ^m	19 ^h 19 ^m	21 ^h 55 ^m	27 ^h °40	5 ^h °56	23 ^h 40 ^m	0 ^h °50	1 ^h °56	1 ^h °56	1 ^h °21	20 ^h °11	
W13	5 59 16	29 ^h 41 ^m 46 ^s	9 ^h 34 ^m	22 ^h 57 ^m	12 ^h 19 ^m	19 ^h 52 ^m	22 ^h 3 ^m	27 ^h °39	5 ^h °54	23 ^h 40 ^m	0 ^h °49	1 ^h °53	1 ^h °53	1 ^h °28	20 ^h ° 8	
T 14	6 3 13	0 ^h 34 ^m 27 ^s	23 ^h 30 ^m	24 ^h 31 ^m	12 ^h 57 ^m	20 ^h 26 ^m	22 ^h 12 ^m	27 ^h °37	5 ^h °51	23 ^h 40 ^m	0 ^h °48	1 ^h °52	1 ^h °50	1 ^h °34	20 ^h ° 6	
F 15	6 7 9	1 ^h 44 ^m 08 ^s	7 ^h Y 3	26 ^h 6 ^m	13 ^h 34 ^m	21 ^h 0 ^m	22 ^h 20 ^m	27 ^h °36	5 ^h °49	23 ^h 40 ^m	0 ^h °46	1 ^h °52	1 ^h °47	1 ^h °41	20 ^h ° 4	
S 16	6 11 6	2 ^h 45 ^m 19 ^s	20 ^h 16 ^m	27 ^h 41 ^m	14 ^h 9 ^m	21 ^h 34 ^m	22 ^h 27 ^m	27 ^h °34	5 ^h °46	23 ^h 40 ^m	0 ^h °45	1 ^h °51	1 ^h °43	1 ^h °48	20 ^h ° 1	
S 17	6 15 2	3 ^h 46 ^m 30 ^s	3 ^h Y 12	29 ^h 16 ^m	14 ^h 43 ^m	22 ^h 7 ^m	22 ^h 35 ^m	27 ^h °32	5 ^h °43	23 ^h R40	0 ^h °44	1 ^h °49	1 ^h °40	1 ^h °54	19 ^h °59	
M18	6 18 59	4 ^h 47 ^m 40 ^s	15 ^h 53 ^m	0 ^h 35 ^m	15 ^h 15 ^m	22 ^h 41 ^m	22 ^h 43 ^m	27 ^h °30	5 ^h °41	23 ^h 40 ^m	0 ^h °43	1 ^h °44	1 ^h °37	2 ^h ° 1	19 ^h °57	
T 19	6 22 55	5 ^h 48 ^m 50 ^s	28 ^h 23 ^m	2 ^h 27 ^m	15 ^h 46 ^m	23 ^h 14 ^m	22 ^h 50 ^m	27 ^h °28	5 ^h °38	23 ^h 40 ^m	0 ^h °42	1 ^h °35	1 ^h °34	2 ^h ° 8	19 ^h °55	
W20	6 26 52	6 ^h 50 ^m 00 ^s	10 ^h 44 ^m	4 ^h 3 ^m	16 ^h 15 ^m	23 ^h 48 ^m	22 ^h 58 ^m	27 ^h °26	5 ^h °36	23 ^h 40 ^m	0 ^h °40	1 ^h °24	1 ^h °31	2 ^h °15	19 ^h °53	
T 21	6 30 48	7 ^h 51 ^m 10 ^s	22 ^h 56 ^m	5 ^h 39 ^m	16 ^h 42 ^m	24 ^h 21 ^m	23 ^h 5 ^m	27 ^h °24	5 ^h °33	23 ^h 40 ^m	0 ^h °39	1 ^h °11	1 ^h °28	2 ^h °21	19 ^h °51	
F 22	6 34 45	8 ^h 52 ^m 19 ^s	5 ^h Ω 2	7 ^h 16 ^m	17 ^h 8 ^m	24 ^h 54 ^m	23 ^h 12 ^m	27 ^h °22	5 ^h °30	23 ^h 40 ^m	0 ^h °38	0 ^h °56	1 ^h °24	2 ^h °28	19 ^h °49	
S 23	6 38 42	9 ^h 53 ^m 28 ^s	17 ^h 1 ^m	8 ^h 53 ^m	17 ^h 32 ^m	25 ^h 27 ^m	23 ^h 19 ^m	27 ^h °19	5 ^h °28	23 ^h 40 ^m	0 ^h °37	0 ^h °41	1 ^h °21	2 ^h °35	19 ^h °47	
S 24	6 42 38	10 ^h 54 ^m 37 ^s	28 ^h 56 ^m	10 ^h 31 ^m	17 ^h 54 ^m	26 ^h 0 ^m	23 ^h 26 ^m	27 ^h °17	5 ^h °25	23 ^h 40 ^m	0 ^h °35	0 ^h °28	1 ^h °18	2 ^h °41	19 ^h °45	
M25	6 46 35	11 ^h 55 ^m 46 ^s	10 ^h Ω46	12 ^h 9 ^m	18 ^h 14 ^m	26 ^h 33 ^m	23 ^h 33 ^m	27 ^h °14	5 ^h °23	23 ^h 39 ^m	0 ^h °34	0 ^h °16	1 ^h °15	2 ^h °48	19 ^h °44	
T 26	6 50 31	12 ^h 56 ^m 54 ^s	22 ^h 36 ^m	13 ^h 48 ^m	18 ^h 32 ^m	27 ^h 6 ^m	23 ^h 39 ^m	27 ^h °11	5 ^h °20	23 ^h 39 ^m	0 ^h °33	0 ^h ° 8	1 ^h °12	2 ^h °55	19 ^h °42	
W27	6 54 28	13 ^h 58 ^m 03 ^s	4 ^h Y 26	15 ^h 27 ^m	18 ^h 48 ^m	27 ^h 39 ^m	23 ^h 45 ^m	27 ^h ° 9	5 ^h °18	23 ^h 39 ^m	0 ^h °32	0 ^h ° 2	1 ^h ° 9	3 ^h ° 2	19 ^h °41	
T 28	6 58 24	14 ^h 59 ^m 11 ^s	16 ^h 21 ^m	17 ^h 6 ^m	19 ^h 2 ^m	28 ^h 11 ^m	23 ^h 52 ^m	27 ^h ° 6	5 ^h °15	23 ^h 38 ^m	0 ^h °30	2 ^h Y59	1 ^h ° 5	3 ^h ° 8	19 ^h °39	
F 29	7 2 21	16 ^h 0 ^m 18 ^s	28 ^h 26 ^m	18 ^h 46 ^m	19 ^h 14 ^m	28 ^h 44 ^m	23 ^h 58 ^m	27 ^h ° 3	5 ^h °12	23 ^h 38 ^m	0 ^h °29	2 ^h °D58	1 ^h ° 2	3 ^h °15	19 ^h °37	
S 30	7 6 17	17 ^h 1 ^m 26 ^s	10 ^h Ω45	20 ^h 27 ^m	19 ^h 23 ^m	29 ^h 16 ^m	24 ^h 4 ^m	27 ^h ° 0	5 ^h °10	23 ^h 38 ^m	0 ^h °28	2 ^h °R59	0 ^h °59	3 ^h °22	19 ^h °36	
S 31	7 10 14	18 ^h Ω 2'33	23 ^h Ω23	22 ^h Ω 8	19 ^h Ω30	29 ^h Ω49	24 ^h Ω 9	26 ^h Ω57	5 ^h Ω 7	23 ^h Y37	0 ^h Ω26	2 ^h Y59	0 ^h Y56	3 ^h Ω28	19 ^h Ω35	

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F 1	22s55	5n 3	1n 9	20s49	0n17	21s27	2s 2	3s45	1n31	6s49	1n13	13n37	1n26	23n41	0n20	3n45	1n18	25n 9	5n18	1n16	1n 0	24n39	14n46	3s20
S 2	23 1	0s52	0 4	21 13	0 10	21 10	1 56	3 59	1 31	6 52	1 13	13 38	1 26	23 42	0 20	3 45	1 18	25 10	5 18	1 16	0 59	24 37	14 45	3 20
S 3	23 6	6 55	1 s 3	21 35	0 3	20 53	1 51	4 12	1 32	6 56	1 13	13 38	1 27	23 42	0 20	3 45	1 18	25 10	5 18	1 16	0 58	24 35	14 44	3 20
M 4	23 10	12 53	2 9	21 57	0 s 4	20 35	1 45	4 25	1 32	6 59	1 14	13 38	1 27	23 42	0 20	3 45	1 19	25 10	5 18	1 15	0 56	24 33	14 44	3 20
T 5	23 15	18 27	3 9	22 17	0 11	20 17	1 39	4 38	1 32	7 2	1 14	13 39	1 27	23 42	0 20	3 44	1 19	25 11	5 18	1 13	0 55	24 31	14 43	3 20
W 6	23 18	23 13	4 1	22 37	0 18	19 59	1 32	4 52	1 32	7 6	1 14	13 39	1 27	23 42	0 20	3 44	1 19	25 11	5 19	1 10	0 54	24 29	14 42	3 20
T 7	23 21	26 41	4 38	22 55	0 25	19 40	1 25	5 5	1 32	7 9	1 14	13 40	1 28	23 42	0 20	3 44	1 19	25 12	5 19	1 6	0 53	24 27	14 41	3 20
F 8	23 24	28 24	4 58	23 12	0 31	19 22	1 18	5 18	1 32	7 12	1 14	13 40	1 28	23 42	0 20	3 44	1 19	25 12	5 19	1 1	0 51	24 25	14 41	3 20
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