

SWISS EPHEMERIS for the year 1448

JANUARY 1448 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	7 14 11	19°3'40"	6♈26	23°34'49"	19°33'35"	0♈21	24°15'15"	26°R53	5°R 5	23°R37	0°R25	29°R57	0°Y53	3♈35	19°R33
T 2	7 18 7	20° 4'47"	19°57	25°31	19°R37	0°53	24°21	26°Ω50	5°Ω 2	23°M36	0°Ω24	29°H54	0°49	3°42	19°R32
W 3	7 22 4	21° 5'54"	3♁58	27°13	19°37	1°25	24°26	26°47	5° 0	23°36	0°22	29°48	0°46	3°48	19°31
T 4	7 26 0	22° 7'00"	18°29	28°56	19°35	1°57	24°31	26°43	4°57	23°35	0°21	29°39	0°43	3°55	19°30
F 5	7 29 57	23° 8'06"	3♁25	0♁39	19°30	2°29	24°36	26°40	4°55	23°34	0°19	29°29	0°40	4° 2	19°29
S 6	7 33 53	24° 9'11"	18°38	2°22	19°22	3° 1	24°41	26°36	4°53	23°34	0°18	29°19	0°37	4° 9	19°28
S 7	7 37 50	25°10'15"	3♁58	4° 6	19°12	3°32	24°45	26°32	4°50	23°33	0°17	29° 9	0°34	4°15	19°27
M 8	7 41 47	26°11'19"	19°12	5°49	19° 0	4° 4	24°50	26°29	4°48	23°32	0°15	29° 1	0°30	4°22	19°26
T 9	7 45 43	27°12'21"	4♁11	7°33	18°45	4°35	24°54	26°25	4°46	23°32	0°14	28°56	0°27	4°29	19°26
W10	7 49 40	28°13'22"	18°47	9°16	18°27	5° 6	24°58	26°21	4°43	23°31	0°13	28°54	0°24	4°35	19°25
T 11	7 53 36	29°14'22"	2°Y57	11° 0	18° 7	5°37	25° 2	26°17	4°41	23°30	0°11	28°D54	0°21	4°42	19°24
F 12	7 57 33	0♁15'21"	16°40	12°43	17°45	6° 8	25° 6	26°13	4°39	23°29	0°10	28°54	0°18	4°49	19°24
S 13	8 1 29	1°16'19"	29°56	14°25	17°21	6°39	25°10	26° 9	4°36	23°29	0° 8	28°R55	0°15	4°55	19°24
S 14	8 5 26	2°17'15"	12♁51	16° 6	16°54	7°10	25°13	26° 4	4°34	23°28	0° 7	28°54	0°11	5° 2	19°23
M15	8 9 22	3°18'10"	25°27	17°46	16°26	7°40	25°16	26° 0	4°32	23°27	0° 6	28°52	0° 8	5° 9	19°23
T 16	8 13 19	4°19'04"	7♁49	19°24	15°55	8°10	25°19	25°56	4°30	23°26	0° 4	28°47	0° 5	5°16	19°23
W17	8 17 16	5°19'56"	19°59	21° 1	15°23	8°41	25°22	25°52	4°28	23°25	0° 3	28°39	0° 2	5°22	19°22
T 18	8 21 12	6°20'47"	2♁ 2	22°35	14°49	9°11	25°25	25°47	4°26	23°24	0° 2	28°30	29°H59	5°29	19°22
F 19	8 25 9	7°21'37"	13°58	24° 6	14°15	9°41	25°27	25°43	4°23	23°23	0° 0	28°20	29°55	5°36	19°D22
S 20	8 29 5	8°22'25"	25°52	25°34	13°39	10°11	25°30	25°38	4°21	23°22	29°Ω59	28° 9	29°52	5°42	19°22
S 21	8 33 2	9°23'12"	7♁43	26°57	13° 2	10°40	25°32	25°34	4°19	23°21	29°57	28° 0	29°49	5°49	19°23
M22	8 36 58	10°23'58"	19°34	28°16	12°25	11°10	25°34	25°29	4°17	23°20	29°56	27°52	29°46	5°56	19°23
T 23	8 40 55	11°24'43"	1♁26	29°29	11°48	11°39	25°36	25°25	4°16	23°19	29°55	27°46	29°43	6° 2	19°23
W24	8 44 51	12°25'26"	13°21	0♁36	11°10	12° 8	25°37	25°20	4°14	23°17	29°53	27°43	29°40	6° 9	19°23
T 25	8 48 48	13°26'08"	25°22	1°36	10°33	12°37	25°39	25°15	4°12	23°16	29°52	27°D41	29°36	6°16	19°24
F 26	8 52 45	14°26'49"	7♁31	2°28	9°57	13° 6	25°40	25°11	4°10	23°15	29°51	27°42	29°33	6°23	19°24
S 27	8 56 41	15°27'28"	19°53	3°11	9°21	13°35	25°41	25° 6	4° 8	23°14	29°49	27°43	29°30	6°29	19°25
S 28	9 0 38	16°28'06"	2♁32	3°46	8°46	14° 3	25°42	25° 1	4° 6	23°13	29°48	27°45	29°27	6°36	19°25
M29	9 4 34	17°28'44"	15°31	4°11	8°12	14°32	25°43	24°56	4° 5	23°11	29°47	27°R46	29°24	6°43	19°26
T 30	9 8 31	18°29'20"	28°54	4°26	7°40	15° 0	25°43	24°52	4° 3	23°10	29°45	27°45	29°21	6°49	19°27
W31	9 12 27	19°29'55"	12♁43	4°R30	7♁10	15♈28	25°Ω43	24°Ω47	4°Ω 2	23°M 9	29°Ω44	27°H43	29°H17	6°Ω56	19°R28

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	22s 9	16s33	3s 1	23s28	2s 5	12s10	2n58	10s11	1n33	8s12	1n19	14n 3	1n33	23n45	0n20	3n46	1n20	25n22	5n22	0s 1	0n21	23n37	14n30	3s18
T 2	22 0	21 31	3 53	23 9	2 5	11 56	3 13	10 22	1 33	8 14	1 19	14 4	1 33	23 45	0 20	3 46	1 20	25 22	5 22	0 3	0 20	23 35	14 30	3 18
W 3	21 51	25 28	4 33	22 49	2 5	11 42	3 27	10 33	1 33	8 16	1 19	14 5	1 33	23 45	0 20	3 47	1 20	25 23	5 22	0 5	0 18	23 33	14 29	3 18
T 4	21 41	27 56	4 57	22 27	2 4	11 29	3 42	10 44	1 33	8 18	1 20	14 7	1 34	23 45	0 20	3 47	1 20	25 23	5 22	0 8	0 17	23 31	14 29	3 18
F 5	21 31	28 30	5 2	22 4	2 2	11 16	3 56	10 55	1 33	8 19	1 20	14 8	1 34	23 46	0 20	3 47	1 20	25 23	5 23	0 12	0 16	23 29	14 29	3 18
S 6	21 21	26 56	4 46	21 39	2 0	11 5	4 11	11 6	1 33	8 21	1 20	14 10	1 34	23 46	0 20	3 47	1 20	25 24	5 23	0 17	0 15	23 27	14 29	3 17
S 7	21 10	23 21	4 9	21 12	1 58	10 54	4 26	11 17	1 33	8 22	1 20	14 11	1 34	23 46	0 20	3 48	1 20	25 24	5 23	0 20	0 13	23 25	14 29	3 17
M 8	20 59	18 12	3 15	20 43	1 54	10 43	4 41	11 27	1 33	8 24	1 20	14 12	1 34	23 46	0 20	3 48	1 20	25 25	5 23	0 23	0 12	23 23	14 29	3 17
T 9	20 47	11 59	2 8	20 13	1 51	10 34	4 56	11 38	1 33	8 25	1 21	14 14	1 35	23 46	0 20	3 48	1 20	25 25	5 23	0 25	0 11	23 21	14 29	3 17
W10	20 35	5 16	0 54	19 42	1 46	10 25	5 10	11 48	1 33	8 26	1 21	14 15	1 35	23 46	0 20	3 49	1 20	25 25	5 23	0 26	0 10	23 18	14 29	3 17
T 11	20 22	1n31	0n22	19 9	1 41	10 17	5 25	11 59	1 33	8 28	1 21	14 17	1 35	23 46	0 20	3 49	1 21	25 26	5 23	0 26	0 8	23 16	14 29	3 17
F 12	20 10	8 0	1 34	18 34	1 35	10 10	5 39	12 9	1 33	8 29	1 21	14 19	1 35	23 46	0 20	3 49	1 21	25 26	5 23	0 26	0 7	23 14	14 29	3 17
S 13	19 56	13 57	2 38	17 59	1 29	10 4	5 53	12 19	1 33	8 30	1 22	14 20	1 35	23 46	0 20	3 50	1 21	25 26	5 23	0 26	0 6	23 12	14 29	3 17
S 14	19 43	19 7	3 33	17 22	1 22	9 59	6 7	12 29	1 32	8 31	1 22	14 22	1 35	23 46	0 20	3 50	1 21	25 27	5 23	0 26	0 5	23 10	14 29	3 16
M15	19 29	23 19	4 16	16 43	1 14	9 54	6 20	12 39	1 32	8 32	1 22	14 23	1 36	23 46	0 20	3 51	1 21	25 27	5 23	0 27	0 3	23 8	14 29	3 16
T 16	19 14	26 22	4 46	16 4	1 5	9 51	6 33	12 49	1 32	8 33	1 22	14 25	1 36	23 46	0 20	3 51	1 21	25 28	5 23	0 29	0 2	23 6	14 29	3 16
W17	19 0	28 9	5 2	15 25	0 55	9 48	6 46	12 59	1 32	8 34	1 23	14 27	1 36	23 47	0 20	3 51	1 21	25 28	5 23	0 32	0 1	23 3	14 29	3 16
T 18	18 45	28 35	5 5	14 44	0 45	9 47	6 57	13 9	1 32	8 34	1 23	14 28	1 36	23 47	0 20	3 52	1 21	25 28	5 23	0 36	0s 1	23 1	14 29	3 16
F 19	18 29	27 39	4 54	14 4	0 34	9 46	7 8	13 18	1 32	8 35	1 23	14 30	1 36	23 47	0 20	3 52	1 21	25 29	5 24	0 40	0 2	22 59	14 29	3 16
S 20	18 14	25 29	4 31	13 23	0 22	9 46	7 19	13 28	1 32	8 36	1 23	14 31	1 36	23 47	0 20	3 53	1 21	25 29	5 24	0 44	0 3	22 57	14 29	3 16
S 21	17 58	22 12	3 56	12 43	0 9	9 47	7 28	13 37	1 32	8 36	1 24	14 33	1 37	23 47	0 20	3 53	1 21	25 29	5 24	0 48	0 4	22 55	14 29	3 16
M22	17 41	18 1	3 11	12 3	0n 4	9 49	7 37	13 47	1 31	8 37	1 24	14 35	1 37	23 47	0 20	3 54	1 21	25 30	5 24	0 51	0 6	22 52	14 29	3 15
T 23	17 25	13 8	2 17	11 24	0 19	9 51	7 45	13 56	1 31	8 37	1 24	14 37	1 37	23 47	0 20	3 54	1 21	25 30	5 24	0 53	0 7	22 50	14 30	3 15
W24	17 8	7 45	1 17	10 47	0 33	9 54	7 52	14 5	1 31	8 38	1 24	14 38	1 37	23 47	0 20	3 55	1 21	25 30	5 24	0 55	0 8	22 48	14 30	3 15
T 25	16 50	2 3	0 13	10 11	0 49	9 58	7 58	14 14	1 31	8 38	1 24	14 40	1 37	23 47	0 20	3 55	1 21	25 31	5 24	0 55	0 9	22 46	14 30	3 15
F 26	16 33	3s48	0s53	9 37	1 5	10 3	8 3	14 23	1 31	8 38	1 25	14 42	1 37	23 47	0 20	3 56	1 21	25 31	5 24	0 55	0 11	22 44	14 30	3 15
S 27	16 15	9 37	1 58	9 7	1 21	10 8	8 7	14 31	1 31	8 38	1 25	14 43	1 37	23 47	0 20	3 56	1 21	25 31	5 24	0 55	0 12	22 41	14 31	3 15
S 28	15 57	15 10	2 58	8 39	1 37	10 14	8 10	14 40	1 30	8 38	1 25	14 45	1 37	23 47	0 20	3 57	1 21	25 32	5 24	0 54	0 13	22 39	14 31	3 15
M29	15 39	20 12	3 51	8 15	1 53	10 20	8 13	14 49	1															

SWISS EPHEMERIS for the year 1448

FEBRUARY 1448 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
T 1	9 16 24	20 ³⁰ 29	27 ²⁷ 0	4 ²⁵ R25	6 ⁴¹ R41	15 ⁵⁵ M55	25 ⁴⁴ R44	24 ⁴² R42	4 ⁰ R 0	23 ⁷ R 7	29 ⁴³ R43	27 ³⁹ R39	29 ¹⁴ ♁14	7 ³ ♁ 3	19 ²⁹ ♁29
F 2	9 20 20	21 ³¹ 01	11 ³⁴ 42	4 ⁸ ♁ 8	6 ¹⁴ ♁14	16 ²³ ♁23	25 ⁴³ ♁43	24 ³⁷ ♁37	3 ⁵⁸ ♁58	23 ⁶ ♁ 6	29 ⁴² ♁42	27 ³⁴ ♁34	29 ¹¹ ♁ 11	7 ⁹ ♁ 9	19 ³⁰ ♁30
S 3	9 24 17	22 ³¹ 32	26 ⁴⁴ ♁44	3 ⁴² ♁ 42	5 ⁵⁰ ♁50	16 ⁵⁰ ♁50	25 ⁴³ ♁43	24 ³² ♁32	3 ⁵⁷ ♁57	23 ⁵ ♁ 5	29 ⁴⁰ ♁40	27 ²⁹ ♁29	29 ⁸ ♁ 8	7 ¹⁶ ♁ 16	19 ³¹ ♁31
S 4	9 28 14	23 ³² 02	11 ³⁶ 56	3 ⁷ ♁ 7	5 ²⁷ ♁27	17 ¹⁷ ♁17	25 ⁴³ ♁43	24 ²⁸ ♁28	3 ⁵⁶ ♁56	23 ³ ♁ 3	29 ³⁹ ♁39	27 ²⁴ ♁24	29 ⁵ ♁ 5	7 ²³ ♁23	19 ³² ♁32
M 5	9 32 10	24 ³² 30	27 ¹⁰ ♁10	2 ²⁴ ♁24	5 ⁷ ♁ 7	17 ⁴⁴ ♁44	25 ⁴² ♁42	24 ²³ ♁23	3 ⁵⁴ ♁54	23 ² ♁ 2	29 ³⁸ ♁38	27 ²⁰ ♁20	29 ¹ ♁ 1	7 ²⁹ ♁29	19 ³³ ♁33
T 6	9 36 7	25 ³² 56	12 ¹⁴ ♁14	1 ³³ ♁14	4 ⁴⁹ ♁49	18 ¹¹ ♁11	25 ⁴¹ ♁41	24 ¹⁸ ♁18	3 ⁵³ ♁53	23 ¹ ♁ 1	29 ³⁷ ♁37	27 ¹⁷ ♁17	28 ⁵⁸ ♁58	7 ³⁶ ♁36	19 ³⁴ ♁34
W 7	9 40 3	26 ³³ 20	27 ¹ ♁1	0 ³⁶ ♁36	4 ³⁴ ♁34	18 ³⁷ ♁37	25 ⁴⁰ ♁40	24 ¹³ ♁13	3 ⁵¹ ♁51	22 ⁵⁹ ♁59	29 ³⁵ ♁35	27 ¹⁶ D16	28 ⁵⁵ ♁55	7 ⁴³ ♁43	19 ³⁵ ♁35
T 8	9 44 0	27 ³³ 43	11 ¹⁷ 23	29 ³⁵ ♁35	4 ²¹ ♁21	19 ³ ♁3	25 ³⁹ ♁39	24 ⁸ ♁8	3 ⁵⁰ ♁50	22 ⁵⁸ ♁58	29 ³⁴ ♁34	27 ¹⁷ ♁17	28 ⁵² ♁52	7 ⁵⁰ ♁50	19 ³⁷ ♁37
F 9	9 47 56	28 ³⁴ 03	25 ¹⁷ ♁17	28 ³² ♁32	4 ¹⁰ ♁10	19 ²⁹ ♁29	25 ³⁸ ♁38	24 ³ ♁3	3 ⁴⁹ ♁49	22 ⁵⁶ ♁56	29 ³³ ♁33	27 ¹⁸ ♁18	28 ⁴⁹ ♁49	7 ⁵⁶ ♁56	19 ³⁸ ♁38
S 10	9 51 53	29 ³⁴ 22	8 ³ 45	27 ²⁷ ♁27	4 ² ♁2	19 ⁵⁵ ♁55	25 ³⁶ ♁36	23 ⁵⁹ ♁59	3 ⁴⁸ ♁48	22 ⁵⁵ ♁55	29 ³² ♁32	27 ²⁰ ♁20	28 ⁴⁶ ♁46	8 ³ ♁ 3	19 ⁴⁰ ♁40
S 11	9 55 49	0 ³⁴ 39	21 ⁴⁶ ♁21	26 ²³ ♁26	3 ⁵⁷ ♁35	20 ²⁰ ♁20	25 ³⁴ ♁34	23 ⁵⁴ ♁54	3 ⁴⁷ ♁47	22 ⁵³ ♁53	29 ³¹ ♁31	27 ²¹ ♁21	28 ⁴² ♁42	8 ¹⁰ ♁10	19 ⁴¹ ♁41
M12	9 59 46	1 ³⁴ 53	4 ¹¹ 26	25 ²⁰ ♁25	3 ⁵³ ♁35	20 ⁴⁶ ♁46	25 ³² ♁32	23 ⁴⁹ ♁49	3 ⁴⁶ ♁46	22 ⁵² ♁52	29 ³⁰ ♁30	27 ²² R22	28 ³⁹ ♁39	8 ¹⁶ ♁16	19 ⁴³ ♁43
T 13	10 3 43	2 ³⁵ 06	16 ⁴⁸ ♁16	24 ²¹ ♁24	3 ⁵³ D53	21 ¹¹ ♁11	25 ³⁰ ♁30	23 ⁴⁴ ♁44	3 ⁴⁵ ♁45	22 ⁵⁰ ♁50	29 ²⁸ ♁28	27 ²¹ ♁21	28 ³⁶ ♁36	8 ²³ ♁23	19 ⁴⁵ ♁45
W14	10 7 39	3 ³⁵ 16	28 ⁵⁵ ♁28	23 ²⁶ ♁23	3 ⁵⁴ ♁35	21 ³⁵ ♁35	25 ²⁸ ♁28	23 ³⁹ ♁39	3 ⁴⁴ ♁44	22 ⁴⁹ ♁49	29 ²⁷ ♁27	27 ¹⁹ ♁19	28 ³³ ♁33	8 ³⁰ ♁30	19 ⁴⁷ ♁47
T 15	10 11 36	4 ³⁵ 25	10 ⁵⁴ ♁10	22 ³⁷ ♁22	3 ⁵⁸ ♁22	22 ⁰ ♁22	25 ²⁵ ♁25	23 ³⁵ ♁35	3 ⁴³ ♁43	22 ⁴⁷ ♁47	29 ²⁶ ♁26	27 ¹⁶ ♁16	28 ³⁰ ♁30	8 ³⁶ ♁36	19 ⁴⁸ ♁48
F 16	10 15 32	5 ³⁵ 31	22 ⁴⁶ ♁22	21 ⁵³ ♁21	4 ⁵ ♁22	22 ²⁴ ♁22	25 ²³ ♁25	23 ³⁰ ♁30	3 ⁴² ♁42	22 ⁴⁶ ♁46	29 ²⁵ ♁29	27 ¹² ♁27	28 ²⁷ ♁28	8 ⁴³ ♁43	19 ⁵⁰ ♁50
S 17	10 19 29	6 ³⁵ 35	4 ² 36	21 ¹⁶ ♁21	4 ¹³ ♁22	22 ⁴⁸ ♁22	25 ²⁰ ♁25	23 ²⁵ ♁23	3 ⁴¹ ♁41	22 ⁴⁴ ♁44	29 ²⁴ ♁29	27 ⁸ ♁27	28 ²³ ♁28	8 ⁵⁰ ♁50	19 ⁵² ♁52
S 18	10 23 25	7 ³⁵ 37	16 ²⁷ ♁16	20 ⁴⁶ ♁20	4 ²⁴ ♁23	23 ¹¹ ♁23	25 ¹⁷ ♁25	23 ²¹ ♁23	3 ⁴⁰ ♁40	22 ⁴² ♁42	29 ²³ ♁29	27 ⁵ ♁27	28 ²⁰ ♁28	8 ⁵⁶ ♁56	19 ⁵⁴ ♁54
M19	10 27 22	8 ³⁵ 37	28 ²⁰ ♁28	20 ²² ♁20	4 ³⁷ ♁23	23 ³⁵ ♁23	25 ¹³ ♁25	23 ¹⁶ ♁23	3 ⁴⁰ ♁40	22 ⁴¹ ♁42	29 ²² ♁29	27 ² ♁27	28 ¹⁷ ♁28	9 ³ ♁9	19 ⁵⁷ ♁57
T 20	10 31 18	9 ³⁵ 35	10 ¹⁸ ♁10	20 ⁵ ♁4	4 ⁵² ♁23	23 ⁵⁸ ♁23	25 ¹⁰ ♁25	23 ¹² ♁23	3 ³⁹ ♁39	22 ³⁹ ♁39	29 ²¹ ♁29	27 ¹ ♁27	28 ¹⁴ ♁28	9 ¹⁰ ♁9	19 ⁵⁹ ♁59
W21	10 35 15	10 ³⁵ 32	22 ²² ♁10	19 ⁵⁵ ♁5	5 ⁹ ♁24	24 ²⁰ ♁25	25 ⁶ ♁25	23 ⁷ ♁23	3 ³⁹ ♁39	22 ³⁸ ♁42	29 ²⁰ ♁29	27 ⁰ D 0	28 ¹¹ ♁28	9 ¹⁷ ♁20	20 ¹ ♁20
T 22	10 39 12	11 ³⁵ 26	4 ³⁵ 35	19 ⁵¹ D51	5 ²⁸ ♁24	24 ⁴³ ♁25	25 ³ ♁25	23 ³ ♁23	3 ³⁸ ♁38	22 ³⁶ ♁42	29 ¹⁹ ♁29	27 ⁰ ♁27	28 ⁷ ♁28	9 ²³ ♁20	20 ³ ♁20
F 23	10 43 8	12 ³⁵ 18	16 ⁵⁷ ♁16	19 ⁵⁴ ♁5	5 ⁴⁹ ♁25	25 ⁵ ♁24	24 ⁵⁹ ♁25	22 ⁵⁸ ♁25	3 ³⁷ ♁37	22 ³⁴ ♁42	29 ¹⁸ ♁29	27 ¹ ♁27	28 ⁴ ♁28	9 ³⁰ ♁20	20 ⁶ ♁20
S 24	10 47 5	13 ³⁵ 09	29 ³² ♁20	2 ² ♁6	6 ¹² ♁25	25 ²⁶ ♁24	24 ⁵⁵ ♁25	22 ⁵⁴ ♁25	3 ³⁷ ♁37	22 ³³ ♁42	29 ¹⁷ ♁29	27 ² ♁27	28 ¹ ♁28	9 ³⁷ ♁20	20 ⁸ ♁20
S 25	10 51 1	14 ³⁴ 58	12 ¹¹ 21	20 ¹⁷ ♁12	6 ³⁷ ♁25	25 ⁴⁸ ♁24	24 ⁵⁰ ♁25	22 ⁵⁰ ♁25	3 ³⁷ ♁37	22 ³¹ ♁42	29 ¹⁶ ♁29	27 ³ ♁27	27 ⁵⁸ ♁27	9 ⁴³ ♁20	20 ¹⁰ ♁20
M26	10 54 58	15 ³⁴ 45	25 ²⁶ ♁20	20 ³⁶ ♁7	7 ³ ♁26	26 ⁹ ♁24	24 ⁴⁶ ♁24	22 ⁴⁵ ♁24	3 ³⁶ ♁36	22 ³⁰ ♁42	29 ¹⁵ ♁29	27 ⁴ ♁27	27 ⁵⁵ ♁27	9 ⁵⁰ ♁20	20 ¹³ ♁20
T 27	10 58 54	16 ³⁴ 31	8 ² 50	21 ¹ ♁7	7 ³¹ ♁26	26 ³⁰ ♁24	24 ⁴¹ ♁24	22 ⁴¹ ♁24	3 ³⁶ ♁36	22 ²⁸ ♁42	29 ¹⁴ ♁29	27 ⁵ ♁27	27 ⁵² ♁27	9 ⁵⁷ ♁20	20 ¹⁶ ♁20
W28	11 2 51	17 ³⁴ 15	22 ³³ ♁17	21 ³⁰ ♁8	8 ⁰ ♁26	26 ⁵⁰ ♁24	24 ³⁷ ♁24	22 ³⁷ ♁24	3 ³⁶ ♁36	22 ²⁶ ♁42	29 ¹⁴ ♁29	27 ⁵ R 5	27 ⁴⁸ ♁27	10 ³ ♁20	20 ¹⁸ ♁20
T 29	11 6 47	18 ³³ 57	6 ³ 37	22 ²² ♁4	8 ³¹ ♁27	27 ¹¹ ♁27	24 ³² ♁24	22 ³³ ♁22	3 ³⁶ ♁36	22 ²⁵ ♁42	29 ¹³ ♁29	27 ⁴ ♁27	27 ⁴⁵ ♁27	10 ¹⁰ ♁20	20 ²¹ ♁20

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	14s42	28s40	5s11	7s26	2n40	10s40	8n14	15s14	1n29	8s38	1n26	14n52	1n38	23n47	0n20	3n59	1n21	25n33	5n24	0s56	0s18	22n30	14n32	3s14
F 2	14 23 28	0 5 2	7 19	2 54	10 48	8 13	15 22	1 29	8 38	1 26	14 54	1 38	23 47	0 20	3 59	1 21	25 33	5 24	0 58	0 20	22 28	14 33	3 14	
S 3	14 3 25	19 4	32 7	17 3	7 10	56 8	11 15	30 1	29 8	38 1	27 14	55 1	38 23	48 0	20 4	0 1	21 25	33 5	24 0	21	22 26	14 33	3 14	
S 4	13 43 20	49 3	42 7	19 3	18 11	4 8	9 15	38 1	29 8	37 1	27 14	57 1	38 23	48 0	20 4	1 1	21 25	34 5	24 1	2	22 22	23 14	33 3	14 34
M 5	13 23 14	57 2	37 7	25 3	28 11	12 8	5 15	46 1	28 8	37 1	27 14	59 1	38 23	48 0	20 4	1 1	21 25	34 5	24 1	4	0 23	22 21	14 34	3 14
T 6	13 3 8	15 1	21 7	36 3	35 11	20 8	1 15	53 1	28 8	36 1	27 15	0 1	38 23	48 0	20 4	2 1	22 25	34 5	24 1	5	0 25	22 19	14 34	3 14
W 7	12 42 1	13 0	1 7	51 3	41 11	28 7	56 16	1 1	28 8	36 1	27 15	2 1	38 23	48 0	20 4	2 1	22 25	35 5	24 1	5	0 26	22 16	14 35	3 13
T 8	12 21 5n41	1n17	8 9	3 44	11 36	7 51	16 8	1 27	8 35	1 28	15 4	1 39	23 48	0 20	4 3	1 22	25 35	5 24	1 5	0 27	22 14	14 35	3 13	
F 9	12 1 12	6 2	28 8	30 3	45 11	44 7	45 16	16 1	27 8	34 1	28 15	6 1	39 23	48 0	20 4	4 1	22 25	35 5	24 1	4	0 28	22 12	14 36	3 13
S 10	11 39 17	44 3	28 8	53 3	44 11	52 7	39 16	23 1	27 8	34 1	28 15	7 1	39 23	48 0	20 4	4 1	22 25	35 5	24 1	4	0 30	22 10	14 36	3 13
S 11	11 18 22	23 4	16 9	18 3	41 12	0 7	32 16	30 1	26 8	33 1	28 15	9 1	39 23	48 0	20 4	5 1	22 25	36 5	24 1	3	0 31	22 7	14 37	3 13
M12	10 57 25	50 4	49 9	44 3	36 12	7 7	25 16	37 1	26 8	32 1	29 15	11 1	39 23	48 0	20 4	5 1	22 25	36 5	24 1	3	0 32	22 5	14 37	3 13
T 13	10 35 27	59 5	9 10	10 3	29 12	15 7	18 16	44 1	25 8	31 1	29 15	12 1	39 23	48 0	20 4	6 1	22 25	36 5	24 1	4	0 33	22 3	14 38	3 13
W14	10 13 28	45 5	14 10	36 3	20 12	22 7	10 16	51 1	25 8	30 1	29 15	14 1	39 23	48 0	20 4	7 1	22 25	36 5	24 1	4	0 35	22 0	14 39	3 13
T 15	9 51 28	8 5	5 11	2 3	10 12	29 7	2 16	58 1	24 8	29 1	29 15	15 1	39 23	48 0	20 4	7 1	22 25	37 5	24 1	6	0 36	21 58	14 39	3 12
F 16	9 29 26	15 4	44 11	26 2	58 12	35 6	54 17	4 1	24 8	27 1	29 15	17 1	39 23	48										

SWISS EPHEMERIS for the year 1448

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M 1	13 12 57	20°Y 6'13	14°K35	3°Y 9	3°K52	3°Z34	20°R57	21°R 3	3°E58	21°R34	28°R59	26°K58	26°K 4	13°L44	22°B13								
T 2	13 16 54	21° 4'48	29° 0	4°55	4°50	3°36	20°L49	21°L 2	4° 0	21°M32	28°D59	26°R58	26° 0	13°51	22°17								
W 3	13 20 50	22° 3'22	13°Y18	6°44	5°49	3°38	20°42	21° 1	4° 1	21°31	28°E59	26°58	25°57	13°57	22°21								
T 4	13 24 47	23° 1'54	27°25	8°34	6°48	3°R38	20°34	21° 0	4° 3	21°30	28°59	26°56	25°54	14° 4	22°25								
F 5	13 28 43	24° 0'24	11°B14	10°26	7°47	3°38	20°26	20°59	4° 5	21°28	28°59	26°52	25°51	14°11	22°29								
S 6	13 32 40	24°58'52	24°44	12°19	8°47	3°37	20°19	20°58	4° 6	21°27	28°59	26°48	25°48	14°17	22°34								
S 7	13 36 36	25°57'19	7°II52	14°14	9°47	3°36	20°11	20°57	4° 8	21°26	28°59	26°43	25°44	14°24	22°38								
M 8	13 40 33	26°55'43	20°40	16°10	10°47	3°33	20° 3	20°56	4°10	21°24	28°59	26°39	25°41	14°31	22°42								
T 9	13 44 30	27°54'05	3°E 8	18° 9	11°48	3°30	19°56	20°56	4°12	21°23	28°59	26°36	25°38	14°37	22°47								
W10	13 48 26	28°52'25	15°20	20° 8	12°49	3°26	19°48	20°55	4°14	21°22	29° 0	26°33	25°35	14°44	22°51								
T 11	13 52 23	29°50'43	27°20	22°10	13°50	3°22	19°41	20°55	4°16	21°21	29° 0	26°D32	25°32	14°51	22°55								
F 12	13 56 19	0°B48'58	9°L13	24°12	14°52	3°16	19°33	20°55	4°18	21°19	29° 0	26°33	25°29	14°57	23° 0								
S 13	14 0 16	1°47'12	21° 3	26°17	15°54	3°10	19°26	20°D55	4°20	21°18	29° 0	26°34	25°25	15° 4	23° 4								
S 14	14 4 12	2°45'24	2°M55	28°22	16°56	3° 3	19°19	20°55	4°22	21°17	29° 1	26°36	25°22	15°11	23° 9								
M15	14 8 9	3°43'33	14°55	0°B29	17°59	2°56	19°11	20°55	4°24	21°16	29° 1	26°37	25°19	15°17	23°13								
T 16	14 12 5	4°41'41	27° 7	2°37	19° 1	2°47	19° 4	20°55	4°26	21°15	29° 1	26°R38	25°16	15°24	23°17								
W17	14 16 2	5°39'47	9°L32	4°45	20° 4	2°38	18°57	20°55	4°29	21°14	29° 2	26°37	25°13	15°31	23°22								
T 18	14 19 59	6°37'50	22°15	6°55	21° 7	2°28	18°50	20°56	4°31	21°13	29° 2	26°34	25°10	15°37	23°27								
F 19	14 23 55	7°35'53	5°M16	9° 5	22°11	2°17	18°43	20°56	4°33	21°12	29° 2	26°30	25° 6	15°44	23°31								
S 20	14 27 52	8°33'53	18°35	11°15	23°14	2° 6	18°36	20°57	4°35	21°11	29° 3	26°24	25° 3	15°51	23°36								
S 21	14 31 48	9°31'52	2°Z 9	13°25	24°18	1°54	18°29	20°58	4°38	21°10	29° 3	26°17	25° 0	15°57	23°40								
M22	14 35 45	10°29'50	15°57	15°35	25°22	1°41	18°23	20°59	4°40	21° 9	29° 4	26°10	24°57	16° 4	23°45								
T 23	14 39 41	11°27'46	29°56	17°44	26°27	1°28	18°16	21° 0	4°43	21° 8	29° 4	26° 3	24°54	16°11	23°49								
W24	14 43 38	12°25'41	14°E 1	19°53	27°31	1°14	18°10	21° 1	4°45	21° 7	29° 5	25°59	24°50	16°18	23°54								
T 25	14 47 34	13°23'34	28° 9	22° 0	28°36	0°59	18° 3	21° 2	4°48	21° 6	29° 6	25°56	24°47	16°24	23°59								
F 26	14 51 31	14°21'27	12°L20	24° 6	29°41	0°44	17°57	21° 3	4°50	21° 5	29° 6	25°D55	24°44	16°31	24° 3								
S 27	14 55 28	15°19'18	26°29	26°10	0°Y46	0°28	17°51	21° 5	4°53	21° 4	29° 7	25°55	24°41	16°38	24° 8								
S 28	14 59 24	16°17'07	10°K37	28°13	1°51	0°11	17°45	21° 6	4°56	21° 3	29° 8	25°56	24°38	16°44	24°13								
M29	15 3 21	17°14'56	24°41	0°II13	2°56	29°M54	17°39	21° 8	4°58	21° 3	29° 8	25°R57	24°35	16°51	24°17								
T 30	15 7 17	18°12'43	8°Y40	2°II11	4°Y 2	29°M37	17°L33	21°L 9	5°E 1	21°M 2	29°E 9	25°K56	24°K31	16°L58	24°B22								

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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	
M 1	7n53	7s 8	1s 8	0s50	2s16	9s35	0n35	20s20	0n37	6s45	1n34	16n 4	1n38	23n47	0n20	4n37	1n22	25n40	5n22	1s13	1s34	20n 5	15n20	3s 9
T 2	8 15	0 14	0n11	0 4	2 12	9 19	0 29	20 22	0 35	6 42	1 34	16 4	1 38	23 47	0 20	4 37	1 22	25 40	5 22	1 12	1 36	20 2	15 21	3 9
W 3	8 37	6n38	1 29	0n43	2 8	9 3	0 23	20 25	0 33	6 39	1 34	16 5	1 38	23 47	0 20	4 38	1 22	25 40	5 22	1 13	1 37	19 59	15 22	3 9
T 4	8 59	13 4	2 39	1 21	2 3	8 47	0 16	20 27	0 31	6 36	1 34	16 5	1 38	23 47	0 20	4 38	1 22	25 40	5 22	1 14	1 38	19 57	15 23	3 9
F 5	9 20	18 43	3 39	2 20	1 58	8 31	0 11	20 29	0 29	6 33	1 34	16 5	1 38	23 47	0 20	4 39	1 22	25 40	5 22	1 15	1 39	19 54	15 24	3 9
S 6	9 42	23 18	4 25	3 10	1 52	8 14	0 5	20 30	0 27	6 30	1 34	16 5	1 37	23 47	0 20	4 39	1 22	25 40	5 21	1 17	1 41	19 52	15 25	3 9
S 7	10 3	26 33	4 56	4 1	1 45	7 56	0s 1	20 32	0 24	6 28	1 34	16 6	1 37	23 47	0 20	4 40	1 22	25 40	5 21	1 18	1 42	19 49	15 26	3 9
M 8	10 25	28 21	5 11	4 52	1 38	7 39	0 7	20 34	0 22	6 25	1 34	16 6	1 37	23 47	0 20	4 40	1 22	25 40	5 21	1 20	1 43	19 46	15 27	3 9
T 9	10 46	28 39	5 11	5 44	1 31	7 21	0 12	20 36	0 20	6 22	1 34	16 6	1 37	23 47	0 20	4 41	1 22	25 40	5 21	1 22	1 44	19 44	15 28	3 9
W10	11 6	27 32	4 56	6 37	1 23	7 2	0 17	20 37	0 18	6 19	1 34	16 6	1 37	23 46	0 20	4 41	1 22	25 39	5 21	1 22	1 46	19 41	15 30	3 9
T 11	11 27	25 9	4 29	7 30	1 15	6 43	0 23	20 39	0 15	6 17	1 34	16 6	1 37	23 46	0 20	4 42	1 22	25 39	5 21	1 23	1 47	19 38	15 31	3 9
F 12	11 48	21 42	3 50	8 23	1 6	6 24	0 28	20 40	0 13	6 14	1 34	16 6	1 37	23 46	0 20	4 42	1 22	25 39	5 21	1 23	1 48	19 36	15 32	3 9
S 13	12 8	17 24	3 2	9 17	0 57	6 5	0 33	20 41	0 10	6 11	1 34	16 6	1 37	23 46	0 20	4 43	1 22	25 39	5 21	1 22	1 49	19 33	15 33	3 9
S 14	12 28	12 25	2 6	10 11	0 48	5 45	0 37	20 42	0 8	6 8	1 33	16 6	1 37	23 46	0 20	4 43	1 22	25 39	5 21	1 22	1 51	19 31	15 34	3 9
M15	12 48	6 56	1 3	11 5	0 38	5 25	0 42	20 43	0 5	6 6	1 33	16 6	1 37	23 46	0 20	4 43	1 22	25 39	5 21	1 21	1 52	19 28	15 35	3 9
T 16	13 8	1 7	0s 3	11 59	0 28	5 4	0 47	20 44	0 3	6 3	1 33	16 5	1 37	23 46	0 20	4 44	1 22	25 39	5 21	1 21	1 53	19 25	15 36	3 9
W17	13 27	4s52	1 10	12 52	0 17	4 44	0 51	20 45	0s 0	6 1	1 33	16 5	1 36	23 46	0 20	4 44	1 22	25 39	5 21	1 21	1 55	19 23	15 37	3 9
T 18	13 46	10 46	2 15	13 45	0 7	4 23	0 55	20 46	0 3	5 58	1 33	16 5	1 36	23 46	0 20	4 45	1 22	25 38	5 21	1 22	1 56	19 20	15 38	3 9
F 19	14 5	16 22	3 14	14 37	0n 4	4 2	1 0	20 47	0 6	5 56	1 33	16 5	1 36	23 46	0 20	4 45	1 22	25 38	5 21	1 24	1 57	19 17	15 39	3 9
S 20	14 24	21 19	4 4	15 29	0 14	3 40	1 4	20 47	0 8	5 53	1 33	16 4	1 36	23 46	0 20	4 45	1 22	25 38	5 20	1 26	1 58	19 15	15 40	3 9
S 21	14 43	25 15	4 42	16 19	0 25	3 18	1 8	20 47	0 11	5 51	1 33	16 4	1 36	23 46	0 20	4 46	1 22	25 38	5 20	1 29	2 0	19 12	15 42	3 9
M22	15 1	27 48	5 3	17 7	0 35	2 56	1 11	20 48	0 14	5 48	1 32	16 4	1 36	23 45	0 20	4 46	1 22	25 38	5 20	1 32	2 1	19 9	15 43	3 9
T 23	15 19	28 38	5 8	17 54	0 46	2 34	1 15	20 48	0 17	5 46	1 32	16 3	1 36	23 45	0 20	4 47	1 22	25 37	5 20	1 34	2 2	19 7	15 44	3 9
W24	15 37	27 38	4 53	18 39	0 56	2 12	1 19	20 48	0 20	5 44	1 32	16 3	1 36	23 45	0 20	4 47	1 21	25 37	5 20	1 36	2 3	19 4	15 45	3 9
T 25	15 54	24 51	4 21	19 23	1 5	1 49	1 22	20 48	0 23	5 41	1 32	16 2	1 36	23 45	0 20	4 47	1 21	25 37	5 20	1 37	2 5	19 1	15 46	3 9
F 26	16 12	20 34	3 33	20 4	1 15	1 26	1 26	20 48	0 26	5 39	1 32	16 2	1 36	23 45	0 20	4 47	1 21	25 37	5 20	1 38	2 6	18 58	15 47	3 10
S 27	16 29	15 6	2 32	20 43	1 24	1 3	1 29	20 47	0 29	5 37	1 32	16 1	1 35	23 45	0 20	4 48	1 21	25 37	5 20	1 38	2 7	18 56	15 48	3 10
S 28	16 46	8 52	1 22	21 19	1 32	0 40	1 32	20 47	0 32	5 35	1 31	16 1	1 35	23 45	0 20	4 48	1 21	25 36	5 20	1 37	2 8	18 53	15 49	3 10
M29	17 2	2 13	0 7	21 53	1 40	0 17	1																	

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W 1	15 11 14	19♌10'29	22♋32	4♋ 6	5♋ 8	29°R18	17°R27	21♌11	5♌ 4	21°R 1	29♌10	25°R53	24♋28	17♌ 4	24♌27	
T 2	15 15 10	20° 8'14	6♌15	5°59	6°14	29♌ 0	17♌22	21°13	5° 7	21♌ 1	29°10	25°48	24°25	17°11	24°31	
F 3	15 19 7	21° 5'58	19°44	7°49	7°20	28°41	17°16	21°15	5° 9	21° 0	29°11	25°41	24°22	17°18	24°36	
S 4	15 23 3	22° 3'40	2♋59	9°36	8°26	28°22	17°11	21°17	5°12	20°59	29°12	25°31	24°19	17°24	24°41	
S 5	15 27 0	23° 1'21	15°58	11°20	9°32	28° 2	17° 6	21°19	5°15	20°59	29°13	25°21	24°16	17°31	24°45	
M 6	15 30 57	23°59'01	28°39	13° 1	10°39	27°42	17° 1	21°22	5°18	20°58	29°14	25°11	24°12	17°38	24°50	
T 7	15 34 53	24°56'39	11♌ 4	14°39	11°46	27°22	16°56	21°24	5°21	20°58	29°15	25° 3	24° 9	17°44	24°55	
W 8	15 38 50	25°54'16	23°15	16°14	12°52	27° 1	16°52	21°26	5°24	20°57	29°15	24°56	24° 6	17°51	24°59	
T 9	15 42 46	26°51'52	5♌14	17°46	13°59	26°41	16°47	21°29	5°27	20°57	29°16	24°51	24° 3	17°58	25° 4	
F 10	15 46 43	27°49'25	17° 6	19°15	15° 6	26°20	16°43	21°32	5°30	20°56	29°17	24°49	24° 0	18° 4	25° 9	
S 11	15 50 39	28°46'58	28°56	20°40	16°13	25°59	16°39	21°34	5°33	20°56	29°18	24°D48	23°56	18°11	25°14	
S 12	15 54 36	29°44'29	10♋48	22° 2	17°21	25°39	16°35	21°37	5°36	20°55	29°19	24°49	23°53	18°18	25°18	
M13	15 58 32	0♋41'58	22°49	23°21	18°28	25°18	16°31	21°40	5°39	20°55	29°20	24°R49	23°50	18°24	25°23	
T 14	16 2 29	1°39'27	5♌ 3	24°36	19°36	24°57	16°27	21°43	5°42	20°55	29°21	24°49	23°47	18°31	25°28	
W15	16 6 26	2°36'54	17°35	25°48	20°43	24°37	16°23	21°46	5°45	20°54	29°22	24°46	23°44	18°38	25°32	
T 16	16 10 22	3°34'19	0♌28	26°57	21°51	24°17	16°20	21°50	5°49	20°54	29°23	24°42	23°41	18°44	25°37	
F 17	16 14 19	4°31'44	13°43	28° 2	22°59	23°56	16°17	21°53	5°52	20°54	29°24	24°35	23°37	18°51	25°42	
S 18	16 18 15	5°29'08	27°22	29° 3	24° 7	23°37	16°14	21°56	5°55	20°54	29°26	24°26	23°34	18°58	25°46	
S 19	16 22 12	6°26'31	11♌21	0♌ 1	25°15	23°17	16°11	22° 0	5°58	20°54	29°27	24°15	23°31	19° 4	25°51	
M20	16 26 8	7°23'52	25°36	0°55	26°23	22°58	16° 8	22° 4	6° 2	20°53	29°28	24° 4	23°28	19°11	25°56	
T 21	16 30 5	8°21'14	10♌ 0	1°46	27°31	22°39	16° 6	22° 7	6° 5	20°53	29°29	23°54	23°25	19°18	26° 0	
W22	16 34 2	9°18'34	24°29	2°32	28°39	22°20	16° 4	22°11	6° 8	20°53	29°30	23°46	23°22	19°24	26° 5	
T 23	16 37 58	10°15'54	8♌56	3°14	29°48	22° 2	16° 1	22°15	6°12	20°D53	29°31	23°41	23°18	19°31	26°10	
F 24	16 41 55	11°13'13	23°17	3°53	0♌56	21°45	15°59	22°19	6°15	20°53	29°33	23°38	23°15	19°38	26°14	
S 25	16 45 51	12°10'32	7♌28	4°27	2° 5	21°28	15°58	22°23	6°18	20°53	29°34	23°D37	23°12	19°44	26°19	
S 26	16 49 48	13° 7'50	21°29	4°56	3°14	21°11	15°56	22°27	6°22	20°53	29°35	23°R37	23° 9	19°51	26°23	
M27	16 53 44	14° 5'08	5♋20	5°22	4°22	20°56	15°54	22°31	6°25	20°53	29°36	23°37	23° 6	19°58	26°28	
T 28	16 57 41	15° 2'26	18°59	5°43	5°31	20°40	15°53	22°35	6°28	20°54	29°38	23°35	23° 2	20° 4	26°32	
W29	17 1 37	15°59'43	2♌29	6° 0	6°40	20°26	15°52	22°40	6°32	20°54	29°39	23°31	22°59	20°11	26°37	
T 30	17 5 34	16°57'00	15°47	6°12	7°49	20°12	15°51	22°44	6°35	20°54	29°40	23°24	22°56	20°18	26°41	
F 31	17 9 31	17°54'17	28♌55	6♌19	8♌59	19♌59	15°50	22°49	6♌39	20♌54	29♌42	23♌14	22♌53	20♌24	26♌46	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
W 1	17n34	10n56	2n18	22n53	1n53	0n31	1s40	20s45	0s42	5s29	1n31	15n59	1n35	23n45	0n20	4n49
T 2	17 50	16 46	3 19	23 19	1 59	0 54	1 43	20 44	0 45	5 27	1 31	15 58	1 35	23 44	0 20	4 49
F 3	18 5 21	41 4	7 23	43 2	4 1	1 18	1 45	20 43	0 48	5 25	1 30	15 58	1 35	23 44	0 20	4 49
S 4	18 20 25	25 4	4 42	24 4	2 8	1 42	1 48	20 42	0 51	5 23	1 30	15 57	1 35	23 44	0 20	4 50
S 5	18 35 27	45 5	1 24	23 2	2 12	2 6	1 50	20 40	0 55	5 21	1 30	15 56	1 35	23 44	0 20	4 50
M 6	18 50 28	34 5	4 24	39 2	14 2	3 11	1 52	20 39	0 58	5 20	1 30	15 55	1 35	23 44	0 20	4 50
T 7	19 4 27	55 4	53 24	53 2	16 2	2 55	1 54	20 37	1 1	5 18	1 29	15 54	1 35	23 44	0 20	4 50
W 8	19 18 25	55 4	29 25	5 2	17 3	3 19	1 56	20 36	1 4	5 16	1 29	15 53	1 34	23 44	0 20	4 50
T 9	19 31 22	47 3	53 25	14 2	18 3	3 43	1 58	20 34	1 8	5 15	1 29	15 52	1 34	23 44	0 20	4 50
F 10	19 44 18	44 3	7 25	21 2	17 4	4 8	1 59	20 32	1 11	5 13	1 29	15 51	1 34	23 43	0 20	4 51
S 11	19 57 13	58 2	14 25	26 2	16 4	4 32	2 1	20 31	1 14	5 12	1 29	15 50	1 34	23 43	0 20	4 51
S 12	20 9 8	41 1	14 25	30 2	13 4	4 57	2 2	20 29	1 17	5 11	1 28	15 49	1 34	23 43	0 20	4 51
M13	20 22 3	1 0	11 25	31 2	10 5	5 21	2 4	20 27	1 20	5 9	1 28	15 48	1 34	23 43	0 20	4 51
T 14	20 33 2s50	0s54	25 31	2 6	5 46	2 5	20 25	1 24	5 8	1 28	15 47	1 34	23 43	0 20	4 51	
W15	20 45 8	44 1	58 25	29 2	2 6	10 2	6 20	23 1	27 5	7 1	2 28	15 46	1 34	23 43	0 20	4 51
T 16	20 56 14	26 2	58 25	25 1	5 6	6 34	2 7	20 21	1 30	5 6	1 27	15 45	1 34	23 43	0 20	4 51
F 17	21 7 19	39 3	49 25	20 1	5 0	6 59	2 8	20 19	1 33	5 5	1 27	15 44	1 34	23 43	0 20	4 51
S 18	21 17 24	0 4	29 25	13 1	4 3	7 23	2 9	20 17	1 36	5 4	1 27	15 43	1 34	23 42	0 20	4 51
S 19	21 27 27	4 4	54 25	6 1	3 5	7 47	2 9	20 15	1 39	5 3	1 27	15 41	1 33	23 42	0 20	4 51
M20	21 37 28	28 5	1 24	57 1	2 6	8 11	2 10	20 13	1 42	5 2	1 26	15 40	1 33	23 42	0 20	4 51
T 21	21 46 27	57 4	50 24	47 1	1 7	8 36	2 10	20 10	1 45	5 2	1 26	15 39	1 33	23 42	0 20	4 51
W22	21 55 25	33 4	20 24	36 1	6 8	8 59	2 11	20 8	1 47	5 1	1 26	15 38	1 33	23 42	0 20	4 51
T 23	22 3 21	30 3	33 24	24 0	5 5	9 23	2 11	20 6	1 50	5 0	1 26	15 36	1 33	23 42	0 20	4 51
F 24	22 12 16	13 2	33 24	11 0	4 4	9 47	2 11	20 4	1 53	5 0	1 25	15 35	1 33	23 41	0 20	4 51
S 25	22 19 10	6 1	24 23	58 0	3 1	10 11	2 11	20 2	1 55	4 59	1 25	15 34	1 33	23 41	0 20	4 51
S 26	22 27 3	33 0	11 23	43 0	18 10	10 34	2 11	20 1	1 58	4 59	1 25	15 32	1 33	23 41	0 20	4 51
M27	22 34 3n 4	1n 2	23 29 0	4 10	5 8	2 11	19 59 2	1 4	5 9	1 24	15 31	1 33	23 41	0 20	4 51	
T 28	22 40 9	28 2	10 23	14 0s10	11 21	2 11	19 57 2	3 4	5 9	1 24	15 29	1 33	23 41	0 20	4 51	
W29	22 46 15	20 3	10 22	58 0	25 11	11 44	2 11	19 55 2	5 4	5 8	1 24	15 28	1 33	23 41	0 20	4 51
T 30	22 52 20	25 3	59 22	42 0	40 12	7 2	10 19	54 2	8 4	5 8	1 24	15 26	1 33	23 40	0 20	4 51
F 31	22n58	24n26	4n34	22n26	0s56	12n29	2s10	19s52	2s10	4s58	1n23	15n25	1n32	23n40	0n20	4n51

Julian Day Number = 2250060.5, Delta T = 257.33 sec
 Ecliptic obliquity = 23°30'49", Nutation = 0°00'00"
 Ayanamsha: Fagan/Bradley = 17°02'39", Lahiri = 16°09'38" Julian Calendar 1 May 1448 == Greg. Calendar 10 May 1448

SWISS EPHEMERIS for the year 1448

JUNE 1448 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
S 1	17 13 27	18II51'33	11II50	6°R22	10♁ 8	19°R46	15°R50	22♁53	6♁42	20♁54	29♁43	23°R 2	22♁50	20♁31	26♁50
S 2	17 17 24	19°48'49	24°32	6♁21	11°17	19♁34	15♁50	22°58	6°46	20°55	29°45	22♁49	22°47	20°38	26°55
M 3	17 21 20	20°46'04	7♁ 2	6°15	12°26	19°23	15°49	23° 3	6°49	20°55	29°46	22°36	22°43	20°44	26°59
T 4	17 25 17	21°43'19	19°18	6° 4	13°36	19°13	15°D49	23° 8	6°53	20°55	29°47	22°24	22°40	20°51	27° 4
W 5	17 29 13	22°40'33	1♁23	5°50	14°45	19° 4	15°50	23°12	6°56	20°56	29°49	22°14	22°37	20°58	27° 8
T 6	17 33 10	23°37'46	13°19	5°31	15°55	18°55	15°50	23°17	7° 0	20°56	29°50	22° 7	22°34	21° 4	27°13
F 7	17 37 6	24°34'59	25° 8	5° 9	17° 5	18°47	15°50	23°22	7° 4	20°57	29°52	22° 3	22°31	21°11	27°17
S 8	17 41 3	25°32'12	6♁56	4°43	18°14	18°40	15°51	23°28	7° 7	20°57	29°53	22° 1	22°28	21°18	27°21
S 9	17 45 0	26°29'24	18°47	4°14	19°24	18°34	15°52	23°33	7°11	20°58	29°55	22° 0	22°24	21°24	27°25
M10	17 48 56	27°26'35	0♁47	3°43	20°34	18°29	15°53	23°38	7°14	20°58	29°56	22° 0	22°21	21°31	27°30
T 11	17 52 53	28°23'46	13° 1	3°10	21°44	18°25	15°54	23°43	7°18	20°59	29°58	22° 0	22°18	21°38	27°34
W12	17 56 49	29°20'56	25°33	2°35	22°54	18°21	15°56	23°49	7°22	20°59	29°59	21°57	22°15	21°44	27°38
T 13	18 0 46	0♁18'06	8♁29	1°59	24° 4	18°18	15°57	23°54	7°25	21° 0	0♁ 1	21°53	22°12	21°51	27°42
F 14	18 4 42	1°15'16	6°58'13	19° 1	28°12	2°16	18°23	24° 0	7°29	21° 1	0° 2	21°46	22° 8	21°58	27°47
S 15	18 8 39	2°12'26	5♁41	0°46	26°24	18°15	16° 1	24° 5	7°32	21° 1	0° 4	21°37	22° 5	22° 4	27°51
S 16	18 12 35	3° 9'35	19°56	0°11	27°35	18°D15	16° 3	24°11	7°36	21° 2	0° 5	21°27	22° 2	22°11	27°55
M17	18 16 32	4° 6'45	4♁31	29II38	28°45	18°16	16° 6	24°17	7°40	21° 3	0° 7	21°16	21°59	22°18	27°59
T 18	18 20 29	5° 3'54	19°19	29° 6	29°55	18°17	16° 8	24°22	7°43	21° 4	0° 9	21° 6	21°56	22°24	28° 3
W19	18 24 25	6° 1'04	4♁12	28°37	1II 6	18°19	16°11	24°28	7°47	21° 5	0°10	20°58	21°53	22°31	28° 7
T 20	18 28 22	6°58'13	19° 1	28°12	2°16	18°23	16°13	24°34	7°51	21° 5	0°12	20°52	21°49	22°38	28°11
F 21	18 32 18	7°55'23	3♁40	27°49	3°27	18°26	16°16	24°40	7°54	21° 6	0°13	20°49	21°46	22°44	28°15
S 22	18 36 15	8°52'34	18° 3	27°31	4°38	18°31	16°20	24°46	7°58	21° 7	0°15	20°D48	21°43	22°51	28°19
S 23	18 40 11	9°49'45	2Y 9	27°18	5°48	18°36	16°23	24°52	8° 1	21° 8	0°17	20°48	21°40	22°58	28°23
M24	18 44 8	10°46'56	15°57	27° 9	6°59	18°43	16°26	24°58	8° 5	21° 9	0°18	20°R48	21°37	23° 4	28°26
T 25	18 48 4	11°44'08	29°28	27°D 5	8°10	18°50	16°30	25° 4	8° 9	21°10	0°20	20°47	21°34	23°11	28°30
W26	18 52 1	12°41'20	12♁43	27° 6	9°21	18°57	16°34	25°11	8°12	21°11	0°22	20°44	21°30	23°18	28°34
T 27	18 55 58	13°38'33	25°44	27°12	10°32	19° 6	16°38	25°17	8°16	21°12	0°23	20°38	21°27	23°24	28°38
F 28	18 59 54	14°35'47	8II32	27°24	11°43	19°15	16°42	25°23	8°20	21°13	0°25	20°29	21°24	23°31	28°41
S 29	19 3 51	15°33'01	21° 9	27°41	12°54	19°25	16°46	25°30	8°23	21°15	0°27	20°19	21°21	23°38	28°45
S 30	19 7 47	16♁30'16	3♁34	28II 4	14II 5	19♁36	16♁51	25♁36	8♁27	21♁16	0♁28	20♁ 8	21♁18	23♁44	28♁49

Day	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	23n 3	27n 8	4n54	22n10	1s12	12n52	2s 9	19s51	2s12	4s58	1n23	15n23	1n32	23n40	0n20
S 2	23 7	28 24	5 0	21 53	1 28	13 14	2 8	19 50	2 14	4 58	1 23	15 21	1 32	23 40	0 20
M 3	23 11	28 10	4 51	21 37	1 45	13 36	2 8	19 49	2 16	4 59	1 23	15 20	1 32	23 40	0 20
T 4	23 15	26 32	4 28	21 21	2 1	13 57	2 7	19 48	2 18	4 59	1 22	15 18	1 32	23 40	0 20
W 5	23 19	23 43	3 54	21 5	2 18	14 19	2 6	19 47	2 20	4 59	1 22	15 16	1 32	23 39	0 20
T 6	23 22	19 54	3 9	20 50	2 34	14 40	2 5	19 47	2 22	5 0	1 22	15 15	1 32	23 39	0 20
F 7	23 24	15 20	2 17	20 35	2 50	15 1	2 4	19 46	2 24	5 0	1 21	15 13	1 32	23 39	0 20
S 8	23 26	10 13	1 19	20 20	3 5	15 21	2 3	19 46	2 26	5 1	1 21	15 11	1 32	23 39	0 20
S 9	23 28	4 43	0 17	20 7	3 20	15 41	2 1	19 46	2 28	5 1	1 21	15 9	1 32	23 39	0 20
M10	23 29	1s 1	0s46	19 54	3 34	16 1	2 0	19 46	2 29	5 2	1 21	15 8	1 32	23 38	0 20
T 11	23 30	6 49	1 49	19 41	3 47	16 21	1 59	19 46	2 31	5 3	1 20	15 6	1 32	23 38	0 20
W12	23 31	12 31	2 48	19 30	3 59	16 40	1 57	19 47	2 32	5 3	1 20	15 4	1 32	23 38	0 20
T 13	23 31	17 50	3 40	19 20	4 10	16 59	1 56	19 48	2 34	5 4	1 20	15 2	1 32	23 38	0 20
F 14	23 30	22 30	4 22	19 11	4 19	17 17	1 54	19 48	2 35	5 5	1 19	15 0	1 32	23 38	0 20
S 15	23 30	26 4	4 50	19 3	4 27	17 35	1 52	19 49	2 37	5 6	1 19	14 58	1 32	23 37	0 20
S 16	23 29	28 8	5 1	18 57	4 34	17 53	1 50	19 51	2 38	5 7	1 19	14 56	1 31	23 37	0 20
M17	23 27	28 19	4 53	18 52	4 39	18 11	1 49	19 52	2 39	5 8	1 19	14 54	1 31	23 37	0 20
T 18	23 25	26 30	4 26	18 49	4 42	18 27	1 47	19 53	2 40	5 10	1 18	14 52	1 31	23 37	0 20
W19	23 23	22 50	3 40	18 47	4 44	18 44	1 45	19 55	2 41	5 11	1 18	14 50	1 31	23 37	0 20
T 20	23 20	17 42	2 40	18 46	4 44	19 0	1 43	19 57	2 42	5 12	1 18	14 48	1 31	23 36	0 20
F 21	23 17	11 35	1 30	18 47	4 43	19 16	1 41	19 59	2 43	5 14	1 18	14 46	1 31	23 36	0 20
S 22	23 13	4 58	0 15	18 49	4 40	19 31	1 39	20 1	2 44	5 15	1 17	14 44	1 31	23 36	0 20
S 23	23 9	1n46	1n 0	18 53	4 36	19 45	1 37	20 4	2 45	5 17	1 17	14 42	1 31	23 36	0 20
M24	23 4 8	17 2	9 18	58	4 31	20 0	1 34	20 6	2 46	5 18	1 17	14 40	1 31	23 36	0 20
T 25	23 0	14 17	3 10	19 5	4 24	20 13	1 32	20 9	2 47	5 20	1 16	14 38	1 31	23 35	0 20
W26	22 54	19 30	3 59	19 13	4 16	20 26	1 30	20 12	2 48	5 22	1 16	14 36	1 31	23 35	0 20
T 27	22 49	23 42	4 35	19 22	4 7	20 39	1 27	20 15	2 49	5 23	1 16	14 34	1 31	23 35	0 20
F 28	22 43	26 40	4 56	19 32	3 57	20 51	1 25	20 18	2 49	5 25	1 16	14 32	1 31	23 35	0 20
S 29	22 36	28 15	5 3	19 43	3 46	21 3	1 23	20 22	2 50	5 27	1 15	14 29	1 31	23 35	0 20
S 30	22n29	28n23	4n55	19n55	3s35	21n14	1s20	20s25	2s50	5s29	1n15	14n27	1n31	23n34	0n20

Julian Day Number = 2250091.5, Delta T = 257.23 sec

Ecliptic obliquity = 23°30'48", Nutation = 0°00'02"

Ayanamsha: Fagan/Bradley = 17°02'43", Lahiri = 16°09'43" Julian Calendar 1 June 1448 == Greg. Calendar 10 June 1448

SWISS EPHEMERIS for the year 1448

JULY 1448 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	19 11 44	17°27'32	15°24'49	28°11'32	15°11'16	19°11'47	16°25'55	25°02'42	8°23'30	21°11'17	0°02'30	19°R56	21°11'14	23°02'51	28°02'52
T 2	19 15 40	18°24'47	27°05'55	29° 6	16°27	19°59	17° 0	25°49	8°34	21°18	0°32	19°K46	21° 11	23°58	28°56
W 3	19 19 37	19°22'04	9°05'53	29°45	17°39	20°12	17° 5	25°56	8°38	21°19	0°34	19°38	21° 8	24° 4	28°59
T 4	19 23 34	20°19'20	21°44	0°03'30	18°50	20°26	17°10	26° 2	8°41	21°21	0°35	19°32	21° 5	24°11	29° 2
F 5	19 27 30	21°16'37	3°11'31	1°20	20° 1	20°40	17°15	26° 9	8°45	21°22	0°37	19°28	21° 2	24°18	29° 6
S 6	19 31 27	22°13'55	15°18	2°16	21°13	20°54	17°21	26°16	8°48	21°23	0°39	19°D26	20°59	24°24	29° 9
S 7	19 35 23	23°11'12	27° 8	3°16	22°24	21°10	17°26	26°22	8°52	21°24	0°40	19°27	20°55	24°31	29°12
M 8	19 39 20	24° 8'31	9°27	4°22	23°36	21°26	17°32	26°29	8°55	21°26	0°42	19°28	20°52	24°38	29°16
T 9	19 43 16	25° 5'49	21°19	5°33	24°48	21°43	17°38	26°36	8°59	21°27	0°44	19°R28	20°49	24°44	29°19
W10	19 47 13	26° 3'09	3°11'50	6°49	25°59	22° 0	17°44	26°43	9° 2	21°29	0°46	19°28	20°46	24°51	29°22
T 11	19 51 9	27° 0'28	16°44	8°10	27°11	22°18	17°50	26°50	9° 6	21°30	0°47	19°26	20°43	24°58	29°25
F 12	19 55 6	27°57'49	0°17	9°36	28°23	22°37	17°56	26°57	9° 9	21°32	0°49	19°22	20°40	25° 4	29°28
S 13	19 59 3	28°55'09	13°54	11° 6	29°35	22°56	18° 2	27° 4	9°13	21°33	0°51	19°17	20°36	25°11	29°31
S 14	20 2 59	29°52'31	28°12	12°40	0°04'47	23°15	18° 9	27°11	9°16	21°35	0°53	19°10	20°33	25°18	29°34
M15	20 6 56	0°04'53	12°35'55	14°19	1°59	23°36	18°16	27°18	9°20	21°36	0°54	19° 2	20°30	25°24	29°37
T 16	20 10 52	1°47'16	27°55	16° 1	3°11	23°56	18°23	27°25	9°23	21°38	0°56	18°55	20°27	25°31	29°40
W17	20 14 49	2°44'40	13°38	4	17°47	4°23	24°18	18°29	27°32	9°27	21°39	0°58	18°50	20°24	25°38
T 18	20 18 45	3°42'05	28° 4	17°47	5°35	24°39	18°37	27°39	9°30	21°41	1° 0	18°46	20°20	25°44	29°45
F 19	20 22 42	4°39'31	13°11	9	21°29	6°47	25° 2	18°44	27°46	9°33	21°43	1° 1	18°D45	20°17	25°51
S 20	20 26 38	5°36'58	27°48	23°24	7°59	25°24	18°51	27°53	9°37	21°44	1° 3	18°45	20°14	25°58	29°51
S 21	20 30 35	6°34'27	12°17	7	25°21	9°11	25°48	18°58	28° 1	9°40	21°46	1° 5	18°46	20°11	26° 4
M22	20 34 32	7°31'56	26° 2	27°20	10°24	26°11	19° 6	28° 8	9°44	21°48	1° 7	18°47	20° 8	26°11	29°56
T 23	20 38 28	8°29'28	9°33'34	29°20	11°36	26°36	19°14	28°15	9°47	21°49	1° 8	18°R48	20° 5	26°18	29°58
W24	20 42 25	9°27'01	22°45	1°02'22	12°49	27° 0	19°22	28°22	9°50	21°51	1°10	18°47	20° 1	26°24	0°11
T 25	20 46 21	10°24'35	5°11'37	3°24	14° 1	27°25	19°30	28°30	9°53	21°53	1°12	18°45	19°58	26°31	0° 3
F 26	20 50 18	11°22'11	18°13	5°27	15°14	27°51	19°38	28°37	9°57	21°55	1°14	18°40	19°55	26°38	0° 5
S 27	20 54 14	12°19'48	0°03'36	7°30	16°26	28°17	19°46	28°44	10° 0	21°56	1°15	18°35	19°52	26°44	0° 7
S 28	20 58 11	13°17'26	12°49	9°33	17°39	28°43	19°54	28°52	10° 3	21°58	1°17	18°29	19°49	26°51	0° 9
M29	21 2 7	14°15'06	24°52	11°35	18°52	29°10	20° 3	28°59	10° 6	22° 0	1°19	18°23	19°46	26°57	0°12
T 30	21 6 4	15°12'48	6°04'48	13°37	20° 4	29°37	20°11	29° 7	10° 9	22° 2	1°20	18°17	19°42	27° 4	0°14
W31	21 10 1	16°10'30	18°03'39	15°03'39	21°05'17	0°17'5	20°20'20	29°02'14	10°12'22	22°11'4	1°02'22	18°11'2	19°11'39	27°02'11	0°11'16

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	22n22	27n 5	4n33	20n 8	3s23	21n25	1s18	20s29	2s51	5s31	1n15	14n25	1n31	23n34	0n20
T 2	22 15	24 33	3 59	20 21	3 10	21 35	1 15	20 33	2 52	5 33	1 15	14 23	1 31	23 34	0 20
W 3	22 7	20 58	3 15	20 34	2 57	21 44	1 12	20 37	2 52	5 35	1 14	14 20	1 31	23 34	0 20
T 4	21 58	16 33	2 23	20 48	2 43	21 53	1 10	20 41	2 53	5 37	1 14	14 18	1 31	23 33	0 20
F 5	21 49	11 34	1 24	21 1	2 29	22 1	1 7	20 45	2 53	5 40	1 14	14 16	1 31	23 33	0 20
S 6	21 40	6 9	0 22	21 15	2 15	22 9	1 5	20 49	2 53	5 42	1 14	14 14	1 31	23 33	0 20
S 7	21 31	0 31	0s41	21 28	2 1	22 16	1 2	20 54	2 54	5 44	1 13	14 11	1 31	23 33	0 20
M 8	21 21	5s13	1 44	21 41	1 46	22 22	0 59	20 58	2 54	5 47	1 13	14 9	1 31	23 33	0 20
T 9	21 11	10 51	2 43	21 52	1 31	22 28	0 56	21 3	2 54	5 49	1 13	14 7	1 31	23 32	0 20
W10	21 0	16 13	3 36	22 3	1 17	22 34	0 54	21 8	2 55	5 52	1 13	14 4	1 31	23 32	0 20
T 11	20 49	21 1	4 19	22 13	1 3	22 38	0 51	21 13	2 55	5 54	1 12	14 2	1 31	23 32	0 20
F 12	20 38	24 57	4 50	22 22	0 48	22 42	0 48	21 18	2 55	5 57	1 12	13 59	1 31	23 32	0 20
S 13	20 26	27 36	5 6	22 28	0 35	22 45	0 45	21 23	2 55	5 59	1 12	13 57	1 31	23 31	0 20
S 14	20 14	28 34	5 4	22 33	0 21	22 48	0 42	21 28	2 55	6 2	1 12	13 55	1 31	23 31	0 20
M15	20 2	27 33	4 42	22 37	0 8	22 50	0 40	21 34	2 55	6 5	1 11	13 52	1 31	23 31	0 20
T 16	19 49	24 33	4 0	22 38	0n 5	22 52	0 37	21 39	2 56	6 8	1 11	13 50	1 31	23 31	0 20
W17	19 36	19 50	3 1	22 36	0 17	22 53	0 34	21 44	2 56	6 11	1 11	13 47	1 31	23 31	0 20
T 18	19 23	13 51	1 49	22 32	0 28	22 53	0 31	21 50	2 56	6 13	1 11	13 45	1 31	23 30	0 20
F 19	19 9	7 7	0 30	22 26	0 39	22 52	0 28	21 55	2 56	6 16	1 10	13 42	1 31	23 30	0 20
S 20	18 56	0 8	0n49	22 17	0 49	22 51	0 25	22 1	2 56	6 19	1 10	13 40	1 31	23 30	0 20
S 21	18 41	6n42	2 3	22 5	0 58	22 49	0 22	22 7	2 56	6 22	1 10	13 37	1 31	23 30	0 20
M22	18 27	13 0	3 8	21 51	1 7	22 47	0 20	22 12	2 56	6 26	1 10	13 35	1 31	23 29	0 20
T 23	18 12	18 32	4 1	21 34	1 14	22 44	0 17	22 18	2 56	6 29	1 10	13 32	1 31	23 29	0 20
W24	17 57	23 1	4 39	21 14	1 21	22 40	0 14	22 24	2 55	6 32	1 9	13 30	1 31	23 29	0 20
T 25	17 41	26 16	5 3	20 52	1 27	22 35	0 11	22 29	2 55	6 35	1 9	13 27	1 31	23 29	0 20
F 26	17 25	28 9	5 11	20 27	1 32	22 30	0 8	22 35	2 55	6 38	1 9	13 25	1 31	23 28	0 20
S 27	17 9	28 35	5 4	20 0	1 36	22 24	0 5	22 41	2 55	6 42	1 9	13 22	1 31	23 28	0 20
S 28	16 53	27 36	4 43	19 31	1 40	22 18	0 3	22 47	2 55	6 45	1 8	13 19	1 31	23 28	0 20
M29	16 36	25 20	4 11	19 0	1 43	22 11	0n 0	22 53	2 55	6 48	1 8	13 17	1 31	23 28	0 20
T 30	16 19	21 58	3 27	18 27	1 44	22 3	0 3	22 58	2 55	6 52	1 8	13 14	1 31	23 28	0 20
W31	16n 2	17n44	2n34	17n53	1n46	21n55	0n 6	23s 4	2s54	6s55	1n 8	13n12	1n31	23n27	0n20

Julian Day Number = 2250121.5, Delta T = 257.13 sec

Ecliptic obliquity = 23°30'48, Nutation = 0°00'03

Ayanamsha: Fagan/Bradley = 17°02'47, Lahiri = 16°09'47 Julian Calendar 1 July 1448 == Greg. Calendar 10 July 1448

SWISS EPHEMERIS for the year 1448

AUGUST 1448 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
T 1	21 13 57	17°Ω 8'14	0°൬27	17°Ω39	22°♁30	0°♂33	20°♁29	29°Ω22	10°♁16	22°൬6	1°Ω24	18°R 9	19°♁36	27°Ω17	0°II17
F 2	21 17 54	18° 6'00	12°14	19°39	23°43	1° 2	20°37	29°29	10°19	22° 8	1°26	18°♁ 8	19°33	27°24	0°19
S 3	21 21 50	19° 3'46	24° 3	21°37	24°56	1°30	20°46	29°36	10°22	22° 9	1°27	18°D 8	19°30	27°31	0°21
S 4	21 25 47	20° 1'34	5°♁56	23°35	26° 9	2° 0	20°56	29°44	10°25	22°11	1°29	18° 9	19°26	27°37	0°23
M 5	21 29 43	20°59'23	17°57	25°31	27°22	2°29	21° 5	29°51	10°28	22°13	1°31	18°11	19°23	27°44	0°24
T 6	21 33 40	21°57'13	0°൬11	27°25	28°35	2°59	21°14	29°59	10°31	22°15	1°32	18°12	19°20	27°51	0°26
W 7	21 37 36	22°55'05	12°41	29°19	29°48	3°29	21°23	0°൬7	10°33	22°17	1°34	18°14	19°17	27°57	0°28
T 8	21 41 33	23°52'58	25°32	1°൬11	1°Ω 1	4° 0	21°33	0°14	10°36	22°19	1°35	18°R14	19°14	28° 4	0°29
F 9	21 45 30	24°50'52	8°♂47	3° 2	2°15	4°31	21°43	0°22	10°39	22°21	1°37	18°13	19°11	28°11	0°30
S 10	21 49 26	25°48'48	22°30	4°52	3°28	5° 2	21°52	0°29	10°42	22°23	1°39	18°12	19° 7	28°17	0°32
S 11	21 53 23	26°46'44	6°♁40	6°40	4°41	5°34	22° 2	0°37	10°45	22°25	1°40	18° 9	19° 4	28°24	0°33
M12	21 57 19	27°44'43	21°15	8°27	5°55	6° 6	22°12	0°44	10°48	22°27	1°42	18° 7	19° 1	28°31	0°34
T 13	22 1 16	28°42'42	6°♁12	10°13	7° 8	6°38	22°22	0°52	10°50	22°30	1°44	18° 4	18°58	28°37	0°35
W14	22 5 12	29°40'43	21°22	11°57	8°21	7°10	22°32	0°59	10°53	22°32	1°45	18° 2	18°55	28°44	0°36
T 15	22 9 9	0°൬38'46	6°♁36	13°41	9°35	7°43	22°42	1° 7	10°56	22°34	1°47	18° 1	18°51	28°51	0°37
F 16	22 13 5	1°36'50	21°44	15°22	10°49	8°16	22°53	1°15	10°58	22°36	1°48	18°D 1	18°48	28°57	0°38
S 17	22 17 2	2°34'57	6°♁37	17° 3	12° 2	8°50	23° 3	1°22	11° 1	22°38	1°50	18° 1	18°45	29° 4	0°39
S 18	22 20 59	3°33'05	21° 9	18°43	13°16	9°23	23°13	1°30	11° 3	22°40	1°51	18° 2	18°42	29°11	0°40
M19	22 24 55	4°31'15	5°♁16	20°21	14°30	9°57	23°24	1°37	11° 6	22°42	1°53	18° 3	18°39	29°17	0°41
T 20	22 28 52	5°29'27	18°57	21°58	15°43	10°31	23°34	1°45	11° 8	22°44	1°54	18° 4	18°36	29°24	0°41
W21	22 32 48	6°27'41	2°II11	23°34	16°57	11° 6	23°45	1°52	11°11	22°46	1°56	18°R 5	18°32	29°31	0°42
T 22	22 36 45	7°25'58	15° 3	25° 9	18°11	11°40	23°56	2° 0	11°13	22°49	1°57	18° 5	18°29	29°37	0°43
F 23	22 40 41	8°24'16	27°35	26°42	19°25	12°15	24° 7	2° 8	11°16	22°51	1°59	18° 4	18°26	29°44	0°43
S 24	22 44 38	9°22'37	9°♁52	28°15	20°39	12°51	24°18	2°15	11°18	22°53	2° 0	18° 3	18°23	29°51	0°43
S 25	22 48 34	10°20'59	21°56	29°46	21°53	13°26	24°29	2°23	11°20	22°55	2° 2	18° 2	18°20	29°57	0°44
M26	22 52 31	11°19'24	3°Ω51	1°♁16	23° 7	14° 2	24°40	2°30	11°22	22°57	2° 3	18° 1	18°17	0°൬4	0°44
T 27	22 56 28	12°17'51	15°42	2°45	24°21	14°38	24°51	2°38	11°25	23° 0	2° 5	18° 0	18°13	0°10	0°44
W28	23 0 24	13°16'20	27°29	4°13	25°35	15°14	25° 2	2°45	11°27	23° 2	2° 6	18° 0	18°10	0°17	0°44
T 29	23 4 21	14°14'50	9°൬17	5°39	26°49	15°50	25°14	2°53	11°29	23° 4	2° 7	17°59	18° 7	0°24	0°R44
F 30	23 8 17	15°13'23	21° 7	7° 5	28° 3	16°27	25°25	3° 0	11°31	23° 6	2° 9	17°D59	18° 4	0°30	0°44
S 31	23 12 14	16°൬11'57	3°♁ 2	8°♁29	29°Ω17	17°♂ 4	25°♁36	3°൬ 8	11°♁33	23°൬ 8	2°Ω10	18°♁ 0	18°♁ 1	0°൬37	0°II44

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	15n45	12n50	1n35	17n16	1n46	21n46	0n 8	23s10	2s54	6s59	1n 8	13n 9	1n31	23n27	0n20
F 2	15 27	7 29	0 32	16 39	1 46	21 36	0 11	23 16	2 54	7 2	1 7	13 7	1 31	23 27	0 20
S 3	15 9	1 53	0s32	16 0	1 45	21 26	0 14	23 21	2 54	7 6	1 7	13 4	1 31	23 27	0 20
S 4	14 51	3s50	1 36	15 20	1 44	21 15	0 16	23 27	2 53	7 9	1 7	13 1	1 31	23 26	0 20
M 5	14 33	9 29	2 37	14 39	1 42	21 4	0 19	23 33	2 53	7 13	1 7	12 59	1 31	23 26	0 20
T 6	14 14	14 52	3 31	13 57	1 39	20 52	0 22	23 38	2 53	7 17	1 7	12 56	1 31	23 26	0 20
W 7	13 55	19 46	4 17	13 15	1 36	20 39	0 24	23 44	2 52	7 20	1 6	12 53	1 31	23 26	0 20
T 8	13 36	23 54	4 51	12 32	1 33	20 26	0 27	23 50	2 52	7 24	1 6	12 51	1 31	23 26	0 20
F 9	13 17	26 57	5 11	11 48	1 29	20 12	0 29	23 55	2 52	7 28	1 6	12 48	1 31	23 25	0 20
S 10	12 57	28 32	5 14	11 4	1 24	19 57	0 32	24 0	2 51	7 32	1 6	12 46	1 31	23 25	0 20
S 11	12 38	28 19	4 59	10 19	1 20	19 42	0 34	24 6	2 51	7 36	1 6	12 43	1 31	23 25	0 20
M12	12 18	26 11	4 24	9 35	1 14	19 26	0 36	24 11	2 50	7 39	1 6	12 40	1 31	23 25	0 20
T 13	11 57	22 11	3 31	8 50	1 9	19 10	0 39	24 16	2 50	7 43	1 5	12 38	1 32	23 25	0 21
W14	11 37	16 40	2 22	8 5	1 3	18 53	0 41	24 21	2 49	7 47	1 5	12 35	1 32	23 24	0 21
T 15	11 17	10 5	1 3	7 19	0 57	18 36	0 43	24 27	2 49	7 51	1 5	12 32	1 32	23 24	0 21
F 16	10 56	2 58	0n21	6 34	0 51	18 18	0 46	24 31	2 48	7 55	1 5	12 30	1 32	23 24	0 21
S 17	10 35	4n11	1 41	5 49	0 45	18 0	0 48	24 36	2 48	7 59	1 5	12 27	1 32	23 24	0 21
S 18	10 14	10 57	2 53	5 4	0 38	17 41	0 50	24 41	2 47	8 3	1 4	12 24	1 32	23 24	0 21
M19	9 53	16 58	3 53	4 19	0 31	17 22	0 52	24 46	2 47	8 7	1 4	12 22	1 32	23 23	0 21
T 20	9 32	21 57	4 37	3 34	0 24	17 2	0 54	24 50	2 46	8 11	1 4	12 19	1 32	23 23	0 21
W21	9 10	25 39	5 5	2 49	0 17	16 41	0 56	24 55	2 46	8 15	1 4	12 16	1 32	23 23	0 21
T 22	8 48	27 55	5 17	2 5	0 10	16 21	0 58	24 59	2 45	8 20	1 4	12 14	1 32	23 23	0 21
F 23	8 27	28 42	5 13	1 21	0 2	15 59	1 0	25 3	2 45	8 24	1 4	12 11	1 32	23 23	0 21
S 24	8 5	28 2	4 55	0 37	0s 5	15 38	1 2	25 7	2 44	8 28	1 3	12 8	1 32	23 23	0 21
S 25	7 43	26 3	3 23	0s 6	0 13	15 15	1 3	25 11	2 44	8 32	1 3	12 6	1 32	23 22	0 21
M26	7 20	22 56	3 40	0 49	0 21	14 53	1 5	25 15	2 43	8 36	1 3	12 3	1 32	23 22	0 21
T 27	6 58	18 53	2 50	1 32	0 29	14 30	1 7	25 19	2 42	8 40	1 3	12 0	1 33	23 22	0 21
W28	6 36	14 7	1 51	2 14	0 37	14 6	1 8	25 22	2 42	8 45	1 3	11 58	1 33	23 22	0 21
T 29	6 13	8 51	0 48	2 56	0 44	13 42	1 10	25 26	2 41	8 49	1 3	11 55	1 33	23 22	0 21
F 30	5 50	3 16	0s17	3 37	0 52	13 18	1 11	25 29	2 40	8 53	1 3	11 53	1 33	23 22	0 21
S 31	5n28	2s28	1s23	4s18	1s 0	12n53	1n13	25s32	2s40	8s58	1n 2	11n50	1n33	23n21	0n21

Julian Day Number = 2250152.5, Delta T = 257.03 sec

Ecliptic obliquity = 23°30'48, Nutation = 0°00'04

Ayanamsha: Fagan/Bradley = 17°02'51, Lahiri = 16°09'51 Julian Calendar 1 Aug. 1448 == Greg. Calendar 10 Aug. 1448

SWISS EPHEMERIS for the year 1448

SEPTEMBER 1448 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
S 1	23 16 10	17 ^h 10'33	15 ^h 03	9 ^h 52	0 ^h 32	17 ^h 41	25 ^h 48	3 ^h 15	11 ^h 35	23 ^h 11	2 ^h 11	18 ^h 00	17 ^h 57	0 ^h 44	0 ^h 44								
M 2	23 20 7	18 ^h 09'12	27 ^h 13	11 ^h 14	1 ^h 46	18 ^h 18	25 ^h 59	3 ^h 23	11 ^h 37	23 ^h 13	2 ^h 13	18 ^h 00	17 ^h 54	0 ^h 50	0 ^h 44								
T 3	23 24 3	19 ^h 07'52	9 ^h 35	12 ^h 34	3 ^h 00	18 ^h 55	26 ^h 11	3 ^h 30	11 ^h 39	23 ^h 15	2 ^h 14	18 ^h 00	17 ^h 51	0 ^h 57	0 ^h 43								
W 4	23 28 0	20 ^h 06'33	22 ^h 11	13 ^h 53	4 ^h 15	19 ^h 33	26 ^h 23	3 ^h 37	11 ^h 40	23 ^h 17	2 ^h 15	17 ^h 59	17 ^h 48	1 ^h 04	0 ^h 43								
T 5	23 31 57	21 ^h 05'17	5 ^h 47	15 ^h 11	5 ^h 29	20 ^h 11	26 ^h 35	3 ^h 45	11 ^h 42	23 ^h 20	2 ^h 16	17 ^h 59	17 ^h 45	1 ^h 10	0 ^h 42								
F 6	23 35 53	22 ^h 04'02	18 ^h 17	16 ^h 28	6 ^h 43	20 ^h 49	26 ^h 46	3 ^h 52	11 ^h 44	23 ^h 22	2 ^h 18	17 ^h D59	17 ^h 42	1 ^h 17	0 ^h 42								
S 7	23 39 50	23 ^h 02'50	1 ^h 35	17 ^h 42	7 ^h 58	21 ^h 27	26 ^h 58	3 ^h 59	11 ^h 46	23 ^h 24	2 ^h 19	17 ^h 59	17 ^h 38	1 ^h 24	0 ^h 41								
S 8	23 43 46	24 ^h 01'38	15 ^h 49	18 ^h 55	9 ^h 12	22 ^h 06	27 ^h 10	4 ^h 07	11 ^h 47	23 ^h 26	2 ^h 20	17 ^h 59	17 ^h 35	1 ^h 30	0 ^h 41								
M 9	23 47 43	25 ^h 00'29	0 ^h 30	20 ^h 07	10 ^h 27	22 ^h 44	27 ^h 22	4 ^h 14	11 ^h 49	23 ^h 28	2 ^h 21	18 ^h 00	17 ^h 32	1 ^h 37	0 ^h 40								
T 10	23 51 39	25 ^h 59'21	14 ^h 49	21 ^h 17	11 ^h 41	23 ^h 23	27 ^h 34	4 ^h 21	11 ^h 51	23 ^h 31	2 ^h 22	18 ^h 01	17 ^h 29	1 ^h 44	0 ^h 39								
W 11	23 55 36	26 ^h 58'15	29 ^h 44	22 ^h 24	12 ^h 56	24 ^h 02	27 ^h 46	4 ^h 28	11 ^h 52	23 ^h 33	2 ^h 24	18 ^h 01	17 ^h 26	1 ^h 50	0 ^h 38								
T 12	23 59 32	27 ^h 57'11	14 ^h 48	23 ^h 30	14 ^h 11	24 ^h 41	27 ^h 59	4 ^h 36	11 ^h 53	23 ^h 35	2 ^h 25	18 ^h R 2	17 ^h 23	1 ^h 57	0 ^h 37								
F 13	0 3 29	28 ^h 56'09	29 ^h 52	24 ^h 34	15 ^h 25	25 ^h 20	28 ^h 11	4 ^h 43	11 ^h 55	23 ^h 37	2 ^h 26	18 ^h 01	17 ^h 19	2 ^h 04	0 ^h 36								
S 14	0 7 26	29 ^h 55'09	14 ^h 47	25 ^h 35	16 ^h 40	26 ^h 00	28 ^h 23	4 ^h 50	11 ^h 56	23 ^h 40	2 ^h 27	18 ^h 01	17 ^h 16	2 ^h 10	0 ^h 35								
S 15	0 11 22	0 ^h 54'11	29 ^h 25	26 ^h 33	17 ^h 55	26 ^h 39	28 ^h 35	4 ^h 57	11 ^h 58	23 ^h 42	2 ^h 28	17 ^h 59	17 ^h 13	2 ^h 17	0 ^h 34								
M 16	0 15 19	1 ^h 53'15	13 ^h 40	27 ^h 29	19 ^h 09	27 ^h 19	28 ^h 48	5 ^h 04	11 ^h 59	23 ^h 44	2 ^h 29	17 ^h 58	17 ^h 10	2 ^h 23	0 ^h 33								
T 17	0 19 15	2 ^h 52'22	27 ^h 29	28 ^h 22	20 ^h 24	27 ^h 59	29 ^h 00	5 ^h 11	12 ^h 00	23 ^h 46	2 ^h 30	17 ^h 56	17 ^h 07	2 ^h 30	0 ^h 31								
W 18	0 23 12	3 ^h 51'31	10 ^h 15	29 ^h 12	21 ^h 39	28 ^h 39	29 ^h 13	5 ^h 18	12 ^h 01	23 ^h 48	2 ^h 31	17 ^h 54	17 ^h 03	2 ^h 37	0 ^h 30								
T 19	0 27 8	4 ^h 50'42	23 ^h 48	29 ^h 58	22 ^h 54	29 ^h 19	29 ^h 25	5 ^h 25	12 ^h 02	23 ^h 51	2 ^h 32	17 ^h 53	17 ^h 00	2 ^h 43	0 ^h 29								
F 20	0 31 5	5 ^h 49'56	6 ^h 22	0 ^h 40	24 ^h 08	29 ^h 59	29 ^h 38	5 ^h 32	12 ^h 03	23 ^h 53	2 ^h 33	17 ^h D53	16 ^h 57	2 ^h 50	0 ^h 27								
S 21	0 35 1	6 ^h 49'12	18 ^h 37	1 ^h 18	25 ^h 23	0 ^h 34	29 ^h 50	5 ^h 39	12 ^h 04	23 ^h 55	2 ^h 34	17 ^h 53	16 ^h 54	2 ^h 57	0 ^h 25								
S 22	0 38 58	7 ^h 48'30	0 ^h 39	1 ^h 51	26 ^h 38	1 ^h 20	0 ^h 30	5 ^h 46	12 ^h 05	23 ^h 57	2 ^h 35	17 ^h 54	16 ^h 51	3 ^h 03	0 ^h 24								
M 23	0 42 55	8 ^h 47'51	12 ^h 31	2 ^h 19	27 ^h 53	2 ^h 01	0 ^h 15	5 ^h 52	12 ^h 06	23 ^h 59	2 ^h 35	17 ^h 56	16 ^h 48	3 ^h 10	0 ^h 22								
T 24	0 46 51	9 ^h 47'14	24 ^h 19	2 ^h 42	29 ^h 08	2 ^h 42	0 ^h 28	5 ^h 59	12 ^h 07	24 ^h 02	2 ^h 36	17 ^h 57	16 ^h 44	3 ^h 17	0 ^h 20								
W 25	0 50 48	10 ^h 46'39	6 ^h 36	2 ^h 59	0 ^h 23	3 ^h 23	0 ^h 41	6 ^h 06	12 ^h 08	24 ^h 04	2 ^h 37	17 ^h 59	16 ^h 41	3 ^h 23	0 ^h 19								
T 26	0 54 44	11 ^h 46'06	17 ^h 57	3 ^h 09	1 ^h 38	4 ^h 04	0 ^h 54	6 ^h 12	12 ^h 09	24 ^h 06	2 ^h 38	17 ^h R59	16 ^h 38	3 ^h 30	0 ^h 17								
F 27	0 58 41	12 ^h 45'36	29 ^h 53	3 ^h R12	2 ^h 53	4 ^h 45	1 ^h 06	6 ^h 19	12 ^h 10	24 ^h 08	2 ^h 39	17 ^h 59	16 ^h 35	3 ^h 37	0 ^h 15								
S 28	1 2 37	13 ^h 45'07	11 ^h 57	3 ^h 07	4 ^h 08	5 ^h 27	1 ^h 19	6 ^h 26	12 ^h 10	24 ^h 10	2 ^h 39	17 ^h 57	16 ^h 32	3 ^h 43	0 ^h 13								
S 29	1 6 34	14 ^h 44'41	24 ^h 12	2 ^h 55	5 ^h 23	6 ^h 08	1 ^h 32	6 ^h 32	12 ^h 10	24 ^h 12	2 ^h 40	17 ^h 54	16 ^h 28	3 ^h 50	0 ^h 11								
M 30	1 10 30	15 ^h 44'16	6 ^h 37	2 ^h 34	6 ^h 38	6 ^h 50	1 ^h 45	6 ^h 39	12 ^h 11	24 ^h 14	2 ^h 41	17 ^h 49	16 ^h 25	3 ^h 57	0 ^h 10								

Day	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	5n 5	8s10	2s25	4s58	1s 8	12n28	1n14	25s35	2s39	9s 2	1n 2	11n47	1n33	23n21	0n21	3n55	1n18	25n 0	5n25	4s46	4s46	12n41	16n46	3s41
M 2	4 42	13 39	3 21	5 38	1 16	12 3	1 15	25 38	2 38	9 6	1 2	11 45	1 33	23 21	0 21	3 54	1 18	25 0	5 25	4 46	4 48	12 37	16 46	3 41
T 3	4 19	18 40	4 9	6 16	1 24	11 37	1 17	25 40	2 38	9 11	1 2	11 42	1 33	23 21	0 21	3 53	1 18	25 0	5 25	4 46	4 49	12 34	16 45	3 41
W 4	3 56	22 58	4 46	6 55	1 32	11 11	1 18	25 43	2 37	9 15	1 2	11 40	1 33	23 21	0 21	3 52	1 18	25 0	5 26	4 46	4 50	12 31	16 45	3 42
T 5	3 33	26 17	5 10	7 32	1 40	10 45	1 19	25 45	2 36	9 19	1 2	11 37	1 33	23 21	0 21	3 51	1 18	25 0	5 26	4 46	4 51	12 28	16 44	3 42
F 6	3 9	28 16	5 18	8 9	1 48	10 18	1 20	25 47	2 36	9 24	1 2	11 34	1 34	23 21	0 21	3 50	1 18	25 0	5 26	4 46	4 52	12 25	16 44	3 42
S 7	2 46	28 38	5 8	8 44	1 55	9 51	1 21	25 49	2 35	9 28	1 1	11 32	1 34	23 21	0 21	3 49	1 18	25 0	5 26	4 46	4 54	12 22	16 44	3 43
S 8	2 23	27 13	4 41	9 19	2 3	9 24	1 22	25 50	2 34	9 33	1 1	11 29	1 34	23 20	0 21	3 49	1 18	25 0	5 26	4 46	4 55	12 18	16 43	3 43
M 9	1 59	24 1	3 56	9 54	2 10	8 57	1 23	25 52	2 33	9 37	1 1	11 27	1 34	23 20	0 21	3 48	1 18	24 59	5 27	4 46	4 56	12 15	16 43	3 43
T 10	1 36	19 13	2 54	10 27	2 17	8 29	1 23	25 53	2 33	9 41	1 1	11 24	1 34	23 20	0 21	3 47	1 18	24 59	5 27	4 45	4 58	12 12	16 42	3 44
W 11	1 12	13 9	1 40	10 59	2 24	8 1	1 24	25 54	2 32	9 46	1 1	11 22	1 34	23 20	0 21	3 46	1 18	24 59	5 27	4 45	4 59	12 9	16 41	3 44
T 12	0 49	6 17	0 18	11 30	2 31	7 33	1 25	25 55	2 31	9 50	1 1	11 19	1 34	23 20	0 21	3 45	1 18	24 59	5 27	4 45	5 0	12 6	16 41	3 44
F 13	0 25	0n56	1n 5	11 59	2 38	7 4	1 25	25 56	2 30	9 55	1 1	11 17	1 34	23 20	0 21	3 44	1 18	24 59	5 27	4 45	5 1	12 2	16 40	3 45
S 14	0 2	8 2	2 23	12 28	2 44	6 36	1 26	25 57	2 29	9 59	1 1	11 14	1 35	23 20	0 21	3 43	1 18	24 59	5 28	4 45	5 3	11 59	16 40	3 45
S 15	0s22	14 34	3 30	12 55	2 50	6 7	1 26	25 57	2 29	10 4	1 1	11 12	1 35	23 20	0 21	3 42	1 18	24 59	5 28	4 46	5 4	11 56	16 39	3 46
M 16	0 45	20 9	4 22	13 21	2 56	5 38	1 27	25 57	2 28	10 8	1 0	11 9	1 35	23 20	0 21	3 42	1 18	24 59	5 28	4 46	5 5	11 53	16 39	3 46
T 17	1 9	24 28	4 57	13 45	3 1	5 9	1 27	25 57	2 27	10 13	1 0	11 7	1 35	23 19	0 21	3 41	1 18	24 59	5 28	4 47	5 6	11 50	16 38	3 46
W 18	1 32	27 19	5 14	14 7	3 6	4 39	1 27	25 57	2 26	10 17	1 0	11 4	1 35	23 19	0 21	3 40	1 18	24 59	5 28	4 48	5 8	11 46	16 37	3 47
T 19	1 56	28 36	5 15	14 28	3 11	4 10	1 27	25 56	2 25</															

SWISS EPHEMERIS for the year 1448

OCTOBER 1448 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	1 14 27	16°43'54	19°15	2°R 5	7°53	7°32	1°58	6°45	12°11	24°17	2°42	17°R44	16°22	4°3	0°R 7
W 2	1 18 23	17°43'34	2°7	1°27	9° 9	8°14	2°11	6°51	12°12	24°19	2°42	17°R39	16°19	4°10	0°II 4
T 3	1 22 20	18°43'15	15°11	0°41	10°24	8°56	2°24	6°58	12°12	24°21	2°43	17°35	16°16	4°17	0° 2
F 4	1 26 17	19°42'58	28°29	29°46	11°39	9°38	2°37	7° 4	12°13	24°23	2°43	17°32	16°13	4°23	29°R59
S 5	1 30 13	20°42'44	12°3	28°44	12°54	10°20	2°50	7°10	12°13	24°25	2°44	17°30	16° 9	4°30	29°57
S 6	1 34 10	21°42'30	25°53	27°36	14° 9	11° 2	3° 3	7°16	12°13	24°27	2°45	17°D30	16° 6	4°36	29°55
M 7	1 38 6	22°42'19	9°57	26°23	15°24	11°45	3°16	7°22	12°13	24°29	2°45	17°31	16° 3	4°43	29°52
T 8	1 42 3	23°42'09	24°17	25° 7	16°40	12°27	3°29	7°28	12°13	24°31	2°46	17°32	16° 0	4°50	29°50
W 9	1 45 59	24°42'00	8°49	23°51	17°55	13°10	3°42	7°34	12°R13	24°33	2°46	17°33	15°57	4°56	29°47
T 10	1 49 56	25°41'54	23°30	22°37	19°10	13°52	3°55	7°40	12°13	24°35	2°46	17°R34	15°54	5° 3	29°45
F 11	1 53 52	26°41'49	8°14	21°26	20°25	14°35	4° 8	7°46	12°13	24°37	2°47	17°32	15°50	5°10	29°42
S 12	1 57 49	27°41'46	22°55	20°22	21°40	15°18	4°21	7°52	12°13	24°39	2°47	17°28	15°47	5°16	29°39
S 13	2 1 46	28°41'45	7°25	19°26	22°56	16° 1	4°35	7°58	12°13	24°41	2°48	17°23	15°44	5°23	29°36
M14	2 5 42	29°41'45	21°37	18°40	24°11	16°44	4°48	8° 3	12°13	24°43	2°48	17°16	15°41	5°30	29°33
T 15	2 9 39	0°41'48	5°II28	18° 4	25°26	17°27	5° 1	8° 9	12°12	24°45	2°48	17° 9	15°38	5°36	29°31
W16	2 13 35	1°41'53	18°53	17°40	26°42	18°10	5°14	8°14	12°12	24°46	2°48	17° 2	15°34	5°43	29°28
T 17	2 17 32	2°42'01	1°54	17°27	27°57	18°53	5°27	8°20	12°12	24°48	2°49	16°56	15°31	5°50	29°25
F 18	2 21 28	3°42'10	14°31	17°D26	29°12	19°37	5°41	8°25	12°11	24°50	2°49	16°52	15°28	5°56	29°22
S 19	2 25 25	4°42'21	26°49	17°35	0°M28	20°20	5°54	8°31	12°11	24°52	2°49	16°50	15°25	6° 3	29°19
S 20	2 29 21	5°42'35	8°Ω51	17°56	1°43	21° 3	6° 7	8°36	12°10	24°54	2°49	16°D50	15°22	6°10	29°16
M21	2 33 18	6°42'50	20°43	18°26	2°58	21°47	6°20	8°41	12° 9	24°56	2°49	16°51	15°19	6°16	29°13
T 22	2 37 15	7°43'07	2°M31	19° 4	4°14	22°31	6°33	8°46	12° 9	24°57	2°50	16°52	15°15	6°23	29° 9
W23	2 41 11	8°43'27	14°19	19°51	5°29	23°14	6°47	8°51	12° 8	24°59	2°50	16°R53	15°12	6°29	29° 6
T 24	2 45 8	9°43'48	26°12	20°45	6°44	23°58	7° 0	8°56	12° 7	25° 1	2°50	16°52	15° 9	6°36	29° 3
F 25	2 49 4	10°44'11	8°Ω15	21°45	8° 0	24°42	7°13	9° 1	12° 7	25° 3	2°R50	16°50	15° 6	6°43	29° 0
S 26	2 53 1	11°44'36	20°30	22°50	9°15	25°26	7°26	9° 6	12° 6	25° 4	2°50	16°45	15° 3	6°49	28°57
S 27	2 56 57	12°45'03	2°M59	24° 0	10°31	26° 9	7°39	9°10	12° 5	25° 6	2°50	16°37	15° 0	6°56	28°53
M28	3 0 54	13°45'32	15°44	25°14	11°46	26°53	7°53	9°15	12° 4	25° 7	2°50	16°28	14°56	7° 3	28°50
T 29	3 4 50	14°46'02	28°43	26°31	13° 2	27°37	8° 6	9°20	12° 3	25° 9	2°50	16°17	14°53	7° 9	28°47
W30	3 8 47	15°46'34	11°X57	27°51	14°17	28°22	8°19	9°24	12° 2	25°11	2°49	16° 7	14°50	7°16	28°43
T 31	3 12 44	16°47'07	25°X23	29°Ω14	15°M32	29°Z 6	8°M32	9°M28	12°Ω 1	25°M12	2°Ω49	15°X57	14°X47	7°M23	28°Ω40

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	6s36	22s 0	4s35	15s 1	2s58	1s51	1n24	25s32	2s15	11s16	0n59	10n34	1n37	23n19	0n22
W 2	6 59	25 34	5 1	14 39	2 48	2 21	1 24	25 29	2 14	11 21	0 59	10 32	1 37	23 19	0 22
T 3	7 21	27 51	5 12	14 11	2 37	2 52	1 23	25 25	2 13	11 25	0 59	10 29	1 37	23 19	0 22
F 4	7 44	28 37	5 7	13 39	2 23	3 22	1 22	25 21	2 12	11 30	0 59	10 27	1 38	23 19	0 22
S 5	8 7 27	41 4 44	13 3	2 8	3 52	1 21	25 17	2 12	11 34	0 59	10 25	1 38	23 19	0 22	
S 6	8 29	25 3	4 5	12 23	1 51	4 22	1 20	25 13	2 10	11 39	0 59	10 23	1 38	23 19	0 22
M 7	8 52	20 52	3 11	11 39	1 33	4 52	1 19	25 8	2 9	11 43	0 58	10 21	1 38	23 19	0 22
T 8	9 14	15 25	2 4	10 54	1 14	5 22	1 18	25 3	2 8	11 48	0 58	10 19	1 38	23 19	0 22
W 9	9 36	9 1	0 48	10 7	0 53	5 52	1 17	24 58	2 7	11 52	0 58	10 17	1 38	23 19	0 22
T 10	9 58	2 6	0n32	9 20	0 33	6 21	1 16	24 53	2 6	11 57	0 58	10 15	1 39	23 19	0 22
F 11	10 20	4n58	1 50	8 34	0 12	6 51	1 15	24 47	2 5	12 1	0 58	10 13	1 39	23 19	0 22
S 12	10 41	11 43	3 0	7 51	0n 8	7 20	1 13	24 41	2 4	12 6	0 58	10 11	1 39	23 19	0 22
S 13	11 3	17 46	3 58	7 12	0 28	7 50	1 12	24 35	2 3	12 10	0 58	10 9	1 39	23 19	0 22
M14	11 24	22 42	4 39	6 38	0 46	8 19	1 11	24 29	2 2	12 15	0 58	10 7	1 39	23 19	0 22
T 15	11 45	26 14	5 3	6 9	1 2	8 48	1 9	24 22	2 1	12 19	0 58	10 5	1 40	23 19	0 22
W16	12 6	28 11	5 9	5 46	1 17	9 16	1 8	24 16	2 0	12 24	0 58	10 3	1 40	23 19	0 22
T 17	12 27	28 29	4 59	5 28	1 31	9 45	1 6	24 9	1 59	12 28	0 58	10 1	1 40	23 19	0 22
F 18	12 47	27 16	4 34	5 17	1 42	10 13	1 5	24 1	1 58	12 33	0 58	9 59	1 40	23 19	0 22
S 19	13 8	24 44	3 57	5 12	1 52	10 41	1 3	23 54	1 57	12 37	0 58	9 57	1 40	23 19	0 22
S 20	13 28	21 10	3 11	5 13	2 0	11 9	1 1	23 46	1 56	12 42	0 58	9 55	1 41	23 20	0 22
M21	13 48	16 47	2 16	5 18	2 6	11 36	1 0	23 38	1 55	12 46	0 58	9 54	1 41	23 20	0 22
T 22	14 8	11 48	1 17	5 29	2 11	12 4	0 58	23 30	1 54	12 50	0 58	9 52	1 41	23 20	0 22
W23	14 27	6 24	0 14	5 43	2 14	12 31	0 56	23 22	1 53	12 55	0 58	9 50	1 41	23 20	0 22
T 24	14 46	0 45	0s50	6 1	2 16	12 57	0 54	23 13	1 52	12 59	0 58	9 49	1 41	23 20	0 22
F 25	15 5 5s	0	1 52	6 23	2 17	13 24	0 52	23 4	1 51	13 3	0 58	9 47	1 42	23 20	0 22
S 26	15 24	10 39	2 50	6 48	2 17	13 50	0 50	22 55	1 50	13 8	0 57	9 45	1 42	23 20	0 22
S 27	15 43	16 0	3 41	7 14	2 15	14 15	0 48	22 46	1 49	13 12	0 57	9 44	1 42	23 20	0 23
M28	16 1 20	46 4 22	7 43	2 13	14 41	0 46	22 36	1 48	13 16	0 57	9 42	1 42	23 20	0 23	
T 29	16 19	24 39	4 50	8 14	2 11	15 5	0 44	22 27	1 47	13 21	0 57	9 41	1 43	23 20	0 23
W30	16 37	27 18	5 3	8 46	2 7	15 30	0 42	22 17	1 46	13 25	0 57	9 39	1 43	23 21	0 23
T 31	16s54	28s26	5s 0	9s19	2n 3	15s54	0n40	22s 7	1s45	13s29	0n57	9n38	1n43	23n21	0n23

Julian Day Number = 2250213.5, Delta T = 256.84 sec
 Ecliptic obliquity = 23°30'49, Nutation = 0°00'03
 Ayanamsha: Fagan/Bradley = 17°03'00, Lahiri = 16°09'59 Julian Calendar 1 Oct. 1448 == Greg. Calendar 10 Oct. 1448

SWISS EPHEMERIS for the year 1448

NOVEMBER 1448 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♆	♁	♁	♁	♁	♁
F 1	3 16 40	17♌47'42	9♌0	0♌39	16♌48	29♌50	8♌45	9♌33	11°R59	25♌14	2°R49	15°R49	14♌44	7♌29	28°R36
S 2	3 20 37	18°48'18	22°45	2° 5	18° 3	0♌34	8°58	9°37	11♌58	25°15	2♌49	15♌43	14°40	7°36	28♌33
S 3	3 24 33	19°48'55	6♌38	3°33	19°19	1°18	9°12	9°41	11°57	25°17	2°49	15°40	14°37	7°43	28°30
M 4	3 28 30	20°49'34	20°38	5° 2	20°34	2° 3	9°25	9°45	11°56	25°18	2°48	15°D40	14°34	7°49	28°26
T 5	3 32 26	21°50'13	4♌44	6°32	21°50	2°47	9°38	9°49	11°54	25°20	2°48	15°40	14°31	7°56	28°23
W 6	3 36 23	22°50'54	18°55	8° 3	23° 5	3°32	9°51	9°53	11°53	25°21	2°48	15°R40	14°28	8° 2	28°19
T 7	3 40 19	23°51'35	3♌11	9°35	24°21	4°16	10° 4	9°57	11°51	25°22	2°48	15°39	14°25	8° 9	28°16
F 8	3 44 16	24°52'18	17°28	11° 7	25°36	5° 1	10°17	10° 0	11°50	25°24	2°47	15°35	14°21	8°16	28°12
S 9	3 48 13	25°53'02	1♌42	12°39	26°51	5°45	10°30	10° 4	11°48	25°25	2°47	15°29	14°18	8°22	28° 9
S 10	3 52 9	26°53'47	15°50	14°12	28° 7	6°30	10°43	10° 7	11°47	25°26	2°46	15°20	14°15	8°29	28° 5
M 11	3 56 6	27°54'33	29°46	15°45	29°22	7°14	10°56	10°11	11°45	25°28	2°46	15° 8	14°12	8°36	28° 2
T 12	4 0 2	28°55'21	13♌25	17°18	0♌38	7°59	11° 9	10°14	11°43	25°29	2°46	14°56	14° 9	8°42	27°58
W 13	4 3 59	29°56'10	26°44	18°52	1°53	8°44	11°22	10°17	11°42	25°30	2°45	14°44	14° 6	8°49	27°55
T 14	4 7 55	0♌57'00	9♌42	20°25	3° 9	9°28	11°35	10°20	11°40	25°31	2°45	14°33	14° 2	8°56	27°51
F 15	4 11 52	1°57'52	22°19	21°59	4°24	10°13	11°47	10°23	11°38	25°32	2°44	14°24	13°59	9° 2	27°48
S 16	4 15 49	2°58'45	4♌37	23°32	5°40	10°58	12° 0	10°26	11°36	25°33	2°43	14°19	13°56	9° 9	27°44
S 17	4 19 45	3°59'39	16°41	25° 6	6°55	11°42	12°13	10°29	11°35	25°35	2°43	14°15	13°53	9°16	27°41
M 18	4 23 42	5° 0'35	28°33	26°39	8°11	12°27	12°26	10°31	11°33	25°36	2°42	14°14	13°50	9°22	27°37
T 19	4 27 38	6° 1'32	10♌21	28°13	9°26	13°12	12°38	10°34	11°31	25°37	2°42	14°14	13°46	9°29	27°34
W 20	4 31 35	7° 2'30	22°10	29°47	10°42	13°57	12°51	10°36	11°29	25°38	2°41	14°14	13°43	9°36	27°30
T 21	4 35 31	8° 3'29	4♌4	1♌21	11°57	14°42	13° 4	10°39	11°27	25°39	2°40	14°13	13°40	9°42	27°27
F 22	4 39 28	9° 4'29	16°10	2°54	13°12	15°26	13°16	10°41	11°25	25°39	2°40	14° 9	13°37	9°49	27°24
S 23	4 43 24	10° 5'31	28°31	4°28	14°28	16°11	13°29	10°43	11°23	25°40	2°39	14° 3	13°34	9°55	27°20
S 24	4 47 21	11° 6'34	11♌12	6° 2	15°43	16°56	13°41	10°45	11°20	25°41	2°38	13°54	13°31	10° 2	27°17
M 25	4 51 18	12° 7'37	24°12	7°36	16°59	17°41	13°54	10°47	11°18	25°42	2°37	13°42	13°27	10° 9	27°13
T 26	4 55 14	13° 8'42	7♌32	9°10	18°14	18°26	14° 6	10°49	11°16	25°43	2°37	13°29	13°24	10°15	27°10
W 27	4 59 11	14° 9'47	21°11	10°44	19°30	19°11	14°19	10°51	11°14	25°44	2°36	13°16	13°21	10°22	27° 7
T 28	5 3 7	15°10'54	5♌3	4	12°18	20°45	19°56	14°31	10°53	11°12	25°44	2°35	13° 3	13°18	10°29
F 29	5 7 4	16°12'00	19° 7	13°53	22° 1	20°41	14°43	10°54	11° 9	25°45	2°34	12°53	13°15	10°35	27° 0
S 30	5 11 0	17♌13'07	3♌16	15♌27	23♌16	21♌26	14♌55	10♌55	11♌7	25♌46	2♌33	12♌46	13♌12	10♌42	26♌57

Day	☉		☽		♀		♁		♂		♃		♅		♁		♆		♁		♁			
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	17s11	27s52	4s40	9s53	1n59	16s18	0n38	21s56	1s44	13s33	0n57	9n36	1n43	23n21	0n23	3n 7	1n20	25n 4	5n38	5s37	6s 2	9n23	16n 2	3s58
S 2	17 28	25 35	4 3	10 27	1 54	16 41	0 36	21 46	1 43	13 38	0 57	9 35	1 43	23 21	0 23	3 7	1 20	25 4	5 38	5 39	6 3	9 20	16 1	3 58
S 3	17 45	21 46	3 12	11 2	1 49	17 4	0 34	21 35	1 41	13 42	0 57	9 34	1 44	23 21	0 23	3 6	1 20	25 4	5 38	5 40	6 4	9 17	16 0	3 59
M 4	18 1	16 42	2 9	11 38	1 43	17 26	0 32	21 24	1 40	13 46	0 57	9 32	1 44	23 21	0 23	3 6	1 20	25 5	5 39	5 40	6 6	9 13	15 59	3 59
T 5	18 17	10 42	0 58	12 13	1 37	17 48	0 29	21 12	1 39	13 50	0 57	9 31	1 44	23 21	0 23	3 5	1 20	25 5	5 39	5 40	6 7	9 10	15 59	3 59
W 6	18 32	4 8	0n17	12 48	1 31	18 10	0 27	21 1	1 38	13 54	0 57	9 30	1 44	23 22	0 23	3 4	1 20	25 5	5 39	5 40	6 8	9 7	15 58	3 59
T 7	18 48	2n40	1 32	13 23	1 24	18 31	0 25	20 49	1 37	13 59	0 57	9 29	1 45	23 22	0 23	3 4	1 20	25 6	5 39	5 40	6 9	9 4	15 57	3 59
F 8	19 3	9 21	2 40	13 58	1 18	18 51	0 23	20 38	1 36	14 3	0 57	9 28	1 45	23 22	0 23	3 3	1 20	25 6	5 39	5 42	6 11	9 0	15 56	3 59
S 9	19 17	15 31	3 39	14 33	1 11	19 11	0 20	20 26	1 35	14 7	0 57	9 26	1 45	23 22	0 23	3 3	1 20	25 6	5 40	5 44	6 12	8 57	15 55	3 59
S 10	19 31	20 49	4 23	15 7	1 4	19 31	0 18	20 13	1 34	14 11	0 57	9 25	1 45	23 22	0 23	3 3	1 20	25 6	5 40	5 48	6 13	8 54	15 54	4 0
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T 12	19 59	27 28	5 1	16 14	0 51	20 8	0 13	19 48	1 32	14 19	0 57	9 23	1 46	23 22	0 23	3 2	1 20	25 7	5 40	5 57	6 15	8 47	15 52	4 0
W 13	20 12	28 23	4 55	16 47	0 44	20 26	0 11	19 36	1 31	14 23	0 57	9 22	1 46	23 23	0 23	3 1	1 20	25 7	5 40	6 2	6 17	8 44	15 51	4 0
T 14	20 25	27 42	4 33	17 19	0 37	20 43	0 8	19 23	1 30	14 27	0 57	9 21	1 46	23 23	0 23	3 1	1 20	25 8	5 41	6 6	6 18	8 40	15 51	4 0
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S 17	21 1	18 7	2 21	18 51	0 16	21 31	0 1	18 43	1 26	14 39	0 57	9 19	1 47	23 23	0 23	3 0	1 20	25 9	5 41	6 13	6 22	8 30	15 48	4 0
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T 19	21 23	8 2	0 21	19 48	0 2	22 0	0 4	18 15	1 24	14 46	0 57	9 17	1 48	23 24	0 23	2 59	1 21	25 9	5 42	6 13	6 24	8 24	15 46	4 0
W 20	21 33	2 29	0s42	20 15	0s 5	22 13	0 6	18 1	1 23	14 50	0 57	9 16	1 48	23 24	0 23	2 59	1 21	25 10	5 42	6 13	6 25	8 20	15 46	4 0
T 21	21 43	3s12	1 43	20 41	0 12	22 26	0 8	17 47	1 22	14 54	0 57	9 16	1 48	23 24	0 23	2 58	1 21	25 10	5 42	6 14	6 26	8 17	15 45	4 1
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T 28	22 41	28 3	4 38	23 16	0 56	23 36	0 25	16 4	1 15	15 20	0 57	9 12	1 50	23 26	0 23	2 56	1 21	25 13	5 44	6 41	6 35	7 54	15 39	4 1
F 29	22 48	26 9	4 3	23 34	1 2																			

SWISS EPHEMERIS for the year 1448

DECEMBER 1448 JC

00:00 UT

Main table with 16 columns (Day, Sid.t, and various zodiac signs like ♈, ♉, ♊, etc.) and 31 rows of astronomical data.

Second table with 16 columns (Day, ☉, ☽, ♀, ♁, ♂, ♃, ♄, ♅, ♆, ♇, ♈, ♉, ♊, ♋, ♌, ♍, ♎, ♏, ♐, ♑, ♒, ♓) and 31 rows of astronomical data.

Julian Day Number = 2250274.5, Delta T = 256.64 sec
Ecliptic obliquity = 23°30'47", Nutation = 0°00'05"
Ayanamsha: Fagan/Bradley = 17°03'08", Lahiri = 16°10'08" Julian Calendar 1 Dec. 1448 == Greg. Calendar 10 Dec. 1448