

SWISS EPHEMERIS for the year 2443

JANUARY 2443

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	6 42 43	10 ³ 21'30	3 ³ 50	27 ³ 10	14 ² 22	8 ¹ 38	28 ¹ 14	3 ³ R 1	21 ¹ R 9	21 ¹ Δ 1	19 ¹ R48	17 ¹ R33	17 ¹ Δ 2	18 ¹ 33	15 ¹ 37
F 2	6 46 39	11 ² 22'37	15 ⁴ 43	28 ³ 38	15 ³ 37	9 ¹ 14	28 ¹ 16	2 ¹ II57	21 ¹ 8 8	21 ² 2	19 ¹ Ω47	17 ¹ Δ17	16 ¹ 59	18 ¹ 38	15 ¹ 33
S 3	6 50 36	12 ² 23'45	27 ² 35	0 ² 4	16 ⁵ 51	9 ¹ 49	28 ¹ 18	2 ⁵ 54	21 ¹ 7	21 ¹ 3	19 ¹ 46	17 ¹ 2	16 ¹ 56	18 ¹ 45	15 ¹ 40
S 4	6 54 32	13 ² 24'53	9 ² 27	1 ² 29	18 ¹ 6	10 ² 25	28 ² 20	2 ⁵ 51	21 ¹ 5	21 ¹ 3	19 ¹ 45	16 ¹ 48	16 ¹ 53	18 ¹ 52	15 ¹ 46
M 5	6 58 29	14 ² 26'02	21 ² 21	2 ⁵ 51	19 ² 21	11 ¹ 0	28 ² 22	2 ⁴ 48	21 ¹ 4	21 ¹ 4	19 ¹ 44	16 ¹ 37	16 ¹ 49	18 ¹ 59	15 ¹ 52
T 6	7 2 25	15 ² 27'10	3 ³ 19	4 ¹ 11	20 ² 36	11 ¹ 35	28 ² 23	2 ⁴ 45	21 ¹ 3	21 ¹ 5	19 ¹ 43	16 ¹ 28	16 ¹ 46	19 ¹ 5	15 ¹ 59
W 7	7 6 22	16 ² 28'18	15 ² 25	5 ² 28	21 ² 51	12 ¹ 11	28 ² 24	2 ⁴ 42	21 ¹ 2	21 ¹ 5	19 ¹ 42	16 ¹ 23	16 ¹ 43	19 ¹ 12	16 ¹ 5
T 8	7 10 18	17 ² 29'27	27 ² 42	6 ² 41	23 ² 6	12 ¹ 46	28 ² 25	2 ³ 39	21 ¹ 1	21 ¹ 6	19 ¹ 41	16 ¹ 20	16 ¹ 40	19 ¹ 19	16 ¹ 11
F 9	7 14 15	18 ² 30'35	10 ² 14	7 ² 51	24 ² 21	13 ¹ 21	28 ² 26	2 ³ 37	21 ¹ 0	21 ¹ 6	19 ¹ 40	16 ¹ 19	16 ¹ 37	19 ¹ 25	16 ¹ 17
S 10	7 18 12	19 ² 31'43	23 ² 6	8 ² 55	25 ² 35	13 ¹ 56	28 ² 27	2 ³ 34	20 ¹ 59	21 ¹ 6	19 ¹ 38	16 ¹ 19	16 ¹ 33	19 ¹ 32	16 ¹ 24
S 11	7 22 8	20 ² 32'50	6 ² 24	9 ² 54	26 ² 50	14 ¹ 31	28 ² 27	2 ³ 32	20 ¹ 58	21 ¹ 7	19 ¹ 37	16 ¹ 18	16 ¹ 30	19 ¹ 39	16 ¹ 30
M12	7 26 5	21 ² 33'58	20 ² 9	10 ² 46	28 ² 5	15 ¹ 7	28 ² 27	2 ² 29	20 ¹ 57	21 ¹ 7	19 ¹ 36	16 ¹ 16	16 ¹ 27	19 ¹ 46	16 ¹ 36
T 13	7 30 1	22 ² 35'05	4 ² II24	11 ² 32	29 ² 20	15 ¹ 42	28 ² R27	2 ² 27	20 ¹ 56	21 ¹ 8	19 ¹ 35	16 ¹ 11	16 ¹ 24	19 ¹ 52	16 ¹ 42
W14	7 33 58	23 ² 36'11	19 ² 7	12 ² 9	0 ² 35	16 ¹ 17	28 ² 27	2 ² 25	20 ¹ 55	21 ¹ 8	19 ¹ 34	16 ¹ 4	16 ¹ 21	19 ¹ 59	16 ¹ 49
T 15	7 37 54	24 ² 37'18	4 ² 13	12 ² 37	1 ² 50	16 ¹ 51	28 ² 27	2 ² 23	20 ¹ 55	21 ¹ 8	19 ¹ 32	15 ¹ 54	16 ¹ 18	20 ¹ 6	16 ¹ 55
F 16	7 41 51	25 ² 38'24	19 ² 33	12 ² 55	3 ² 5	17 ¹ 26	28 ² 27	2 ² 21	20 ¹ 54	21 ¹ 8	19 ¹ 31	15 ¹ 42	16 ¹ 14	20 ¹ 12	17 ¹ 1
S 17	7 45 47	26 ² 39'30	4 ² Ω55	13 ² R 3	4 ² 20	18 ¹ 1	28 ² 26	2 ¹ 19	20 ¹ 53	21 ¹ 9	19 ¹ 30	15 ¹ 31	16 ¹ 11	20 ¹ 19	17 ¹ 7
S 18	7 49 44	27 ² 40'36	20 ² 8	12 ² 59	5 ² 35	18 ¹ 36	28 ² 25	2 ¹ 17	20 ¹ 53	21 ¹ 9	19 ¹ 29	15 ¹ 21	16 ¹ 8	20 ¹ 26	17 ¹ 13
M19	7 53 41	28 ² 41'42	5 ² 11	12 ² 44	6 ² 50	19 ¹ 11	28 ² 24	2 ¹ 16	20 ¹ 52	21 ¹ 9	19 ¹ 27	15 ¹ 13	16 ¹ 5	20 ¹ 33	17 ¹ 20
T 20	7 57 37	29 ² 42'47	19 ² 28	12 ² 16	8 ² 5	19 ¹ 45	28 ² 23	2 ¹ 14	20 ¹ 52	21 ¹ 9	19 ¹ 26	15 ¹ 8	16 ¹ 2	20 ¹ 39	17 ¹ 26
W21	8 1 34	0 ² 43'52	3 ² Δ25	11 ² 38	9 ² 20	20 ¹ 20	28 ² 21	2 ¹ 13	20 ¹ 51	21 ¹ 9	19 ¹ 25	15 ¹ 6	15 ¹ 59	20 ¹ 46	17 ¹ 32
T 22	8 5 30	1 ² 44'58	16 ² 52	10 ² 48	10 ² 35	20 ¹ 54	28 ² 20	2 ¹ 11	20 ¹ 51	21 ¹ R 9	19 ¹ 23	15 ¹ D 6	15 ¹ 55	20 ¹ 53	17 ¹ 38
F 23	8 9 27	2 ² 46'03	29 ² 53	9 ² 49	11 ² 50	21 ¹ 29	28 ² 18	2 ¹ 10	20 ¹ 50	21 ¹ 9	19 ¹ 22	15 ¹ R 6	15 ¹ 52	21 ¹ 0	17 ¹ 44
S 24	8 13 23	3 ² 47'08	12 ² 11	8 ² 42	13 ² 5	22 ¹ 3	28 ² 16	2 ¹ 9	20 ¹ 50	21 ¹ 9	19 ¹ 21	15 ¹ 6	15 ¹ 49	21 ¹ 6	17 ¹ 50
S 25	8 17 20	4 ² 48'12	24 ² 51	7 ² 28	14 ² 20	22 ¹ 38	28 ² 13	2 ¹ 8	20 ¹ 50	21 ¹ 9	19 ¹ 19	15 ¹ 4	15 ¹ 46	21 ¹ 13	17 ¹ 56
M26	8 21 16	5 ² 49'17	6 ² Δ58	6 ² 12	15 ² 35	23 ¹ 12	28 ² 11	2 ¹ 7	20 ¹ 50	21 ¹ 9	19 ¹ 18	14 ¹ 59	15 ¹ 43	21 ¹ 20	18 ¹ 2
T 27	8 25 13	6 ² 50'21	18 ² 57	4 ² 54	16 ² 50	23 ¹ 46	28 ² 8	2 ¹ 7	20 ¹ 50	21 ¹ 9	19 ¹ 17	14 ¹ 52	15 ¹ 39	21 ¹ 26	18 ¹ 8
W28	8 29 10	7 ² 51'25	0 ² 50	3 ² 37	18 ² 5	24 ¹ 20	28 ² 6	2 ¹ 6	20 ¹ 50	21 ¹ 8	19 ¹ 15	14 ¹ 42	15 ¹ 36	21 ¹ 33	18 ¹ 14
T 29	8 33 6	8 ² 52'29	12 ² 42	2 ² 23	19 ² 20	24 ¹ 54	28 ² 3	2 ¹ 5	20 ¹ D50	21 ¹ 8	19 ¹ 14	14 ¹ 30	15 ¹ 33	21 ¹ 40	18 ¹ 20
F 30	8 37 3	9 ² 53'31	24 ² 33	1 ² 15	20 ² 35	25 ¹ 28	28 ² 0	2 ¹ 5	20 ¹ 50	21 ¹ 8	19 ¹ 12	14 ¹ 17	15 ¹ 30	21 ¹ 47	18 ¹ 26
S 31	8 40 59	10 ² 54'34	6 ² Δ27	0 ² Δ13	21 ² 50	26 ¹ 11	27 ² 11	2 ¹ II 5	20 ¹ 50	21 ¹ Δ 8	19 ¹ Ω11	14 ¹ Δ 4	15 ¹ Δ27	21 ¹ 53	18 ¹ 32

Delta T = 19m43s

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	8 44 56	11 ² 55'35	18 ² Δ23	29 ² R19	23 ² 6	26 ¹ 11	27 ² R53	2 ¹ R 4	20 ¹ 50	21 ¹ R 7	19 ¹ R10	13 ¹ R52	15 ¹ Δ24	22 ¹ 0	18 ¹ 38
M 2	8 48 52	12 ² 56'36	0 ² Δ24	28 ² 34	24 ² 21	27 ¹ 10	27 ² 11	2 ¹ D 4	20 ¹ 50	21 ¹ Δ 7	19 ¹ Ω 8	13 ¹ Δ42	15 ¹ 20	22 ¹ 7	18 ¹ 44
T 3	8 52 49	13 ² 57'35	12 ² 31	27 ² 58	25 ² 36	27 ¹ 43	27 ² 45	2 ¹ II 4	20 ¹ 50	21 ¹ 7	19 ¹ 7	13 ¹ 35	15 ¹ 17	22 ¹ 14	18 ¹ 50
W 4	8 56 45	14 ² 58'34	24 ² 45	27 ² 31	26 ² 51	28 ¹ 17	27 ² 41	2 ¹ 5	20 ¹ 51	21 ¹ 6	19 ¹ 5	13 ¹ 30	15 ¹ 14	22 ¹ 20	18 ¹ 56
T 5	9 0 42	15 ² 59'32	7 ² 11	27 ² 12	28 ² 6	28 ¹ 51	27 ² 37	2 ¹ 5	20 ¹ 51	21 ¹ 6	19 ¹ 4	13 ¹ 28	15 ¹ 11	22 ¹ 27	19 ¹ 1
F 6	9 4 39	17 ² 0'28	19 ² 47	27 ² 2	29 ² 21	29 ¹ 24	27 ² 32	2 ¹ 5	20 ¹ 51	21 ¹ 5	19 ¹ 3	13 ¹ D28	15 ¹ 8	22 ¹ 34	19 ¹ 7
S 7	9 8 35	18 ² 1'24	2 ² Δ41	27 ² D 1	0 ² Δ36	29 ¹ 57	27 ² 28	2 ¹ 6	20 ¹ 52	21 ¹ 5	19 ¹ 1	13 ¹ 29	15 ¹ 5	22 ¹ 40	19 ¹ 13
S 8	9 12 32	19 ² 2'18	15 ² 54	27 ² 6	1 ² 51	0 ² Δ31	27 ² 23	2 ¹ 6	20 ¹ 52	21 ¹ 4	19 ¹ 0	13 ¹ R30	15 ¹ 1	22 ¹ 47	19 ¹ 18
M 9	9 16 28	20 ² 3'11	29 ² 30	27 ² 19	3 ² 6	1 ² 4	27 ² 18	2 ¹ 7	20 ¹ 53	21 ¹ 4	18 ¹ 58	13 ¹ 29	14 ¹ 58	22 ¹ 54	19 ¹ 24
T 10	9 20 25	21 ² 4'02	13 ² II31	27 ² 39	4 ² 21	1 ² 37	27 ² 13	2 ¹ 8	20 ¹ 54	21 ¹ 3	18 ¹ 57	13 ¹ 27	14 ¹ 55	23 ¹ 1	19 ¹ 30
W11	9 24 21	22 ² 4'52	27 ² 57	28 ² 4	5 ² 36	2 ¹ 10	27 ² 8	2 ¹ 9	20 ¹ 54	21 ¹ 2	18 ¹ 56	13 ¹ 23	14 ¹ 52	23 ¹ 7	19 ¹ 35
T 12	9 28 18	23 ² 5'41	12 ² Δ44	28 ² 35	6 ² 51	2 ¹ 43	27 ² 3	2 ¹ 10	20 ¹ 55	21 ¹ 2	18 ¹ 54	13 ¹ 16	14 ¹ 49	23 ¹ 14	19 ¹ 41
F 13	9 32 14	24 ² 6'29	27 ² 46	29 ² 11	8 ² 6	3 ¹ 16	26 ² 57	2 ¹ 11	20 ¹ 56	21 ¹ 1	18 ¹ 53	13 ¹ 9	14 ¹ 45	23 ¹ 21	19 ¹ 46
S 14	9 36 11	25 ² 7'15	12 ² Ω56	29 ² 52	9 ² 21	3 ¹ 48	26 ² 52	2 ¹ 12	20 ¹ 57	21 ¹ 0	18 ¹ 51	13 ¹ 1	14 ¹ 42	23 ¹ 27	19 ¹ 52
S 15	9 40 8	26 ² 8'00	28 ² 2	0 ² Δ37	10 ² 36	4 ¹ 21	26 ² 46	2 ¹ 14	20 ¹ 57	20 ¹ 59	18 ¹ 50	12 ¹ 54	14 ¹ 39	23 ¹ 34	19 ¹ 57
M16	9 44 4	27 ² 8'43	12 ² 11	1 ² 25	11 ² 51	4 ¹ 53	26 ² 40	2 ¹ 15	20 ¹ 58	20 ¹ 59	18 ¹ 49	12 ¹ 49	14 ¹ 36	23 ¹ 41	20 ¹ 2
T 17	9 48 1	28 ^{2</}													

SWISS EPHEMERIS for the year 2443

MARCH 2443

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	10 35 19	10♋16°25	27♋9	16♋0	28♋7	11♌46	25°R13	2II45	21♌15	20°R46	18°R31	12°R17	13♌55	25♌8	21♌8
M 2	10 39 16	11°16'51	9♌19	17°20	29°22	12°17	25♌5	2°48	21°17	20♌45	18♌30	12♌12	13°51	25°15	21°12
T 3	10 43 12	12°17'16	21°39	18°41	0♋37	12°48	24°58	2°51	21°18	20°43	18°28	12°9	13°48	25°22	21°17
W 4	10 47 9	13°17'39	4♍9	20°4	1°52	13°18	24°50	2°54	21°20	20°42	18°27	12°7	13°45	25°28	21°21
T 5	10 51 5	14°18'00	16°50	21°28	3°7	13°49	24°43	2°57	21°22	20°41	18°26	12°D 7	13°42	25°35	21°26
F 6	10 55 2	15°18'20	29°43	22°54	4°22	14°19	24°35	3°0	21°24	20°40	18°25	12°8	13°39	25°42	21°30
S 7	10 58 59	16°18'37	12♌50	24°20	5°36	14°49	24°27	3°4	21°25	20°38	18°23	12°9	13°36	25°49	21°35
S 8	11 2 55	17°18'53	26°12	25°48	6°51	15°19	24°20	3°8	21°27	20°37	18°22	12°11	13°32	25°55	21°39
M 9	11 6 52	18°19'07	9II50	27°17	8°6	15°49	24°12	3°11	21°29	20°36	18°21	12°12	13°29	26°2	21°43
T 10	11 10 48	19°19'18	23°45	28°47	9°21	16°19	24°4	3°15	21°31	20°35	18°20	12°R12	13°26	26°9	21°47
W11	11 14 45	20°19'28	7♍57	0♋18	10°36	16°48	23°56	3°19	21°33	20°33	18°19	12°11	13°23	26°15	21°51
T 12	11 18 41	21°19'35	22°23	1°51	11°51	17°18	23°48	3°23	21°35	20°32	18°18	12°9	13°20	26°22	21°55
F 13	11 22 38	22°19'41	7♎0	3°24	13°6	17°47	23°41	3°27	21°37	20°30	18°16	12°7	13°16	26°29	21°59
S 14	11 26 34	23°19'44	21°43	4°59	14°21	18°16	23°33	3°31	21°40	20°29	18°15	12°4	13°13	26°36	22°3
S 15	11 30 31	24°19'45	6♎25	6°34	15°36	18°45	23°25	3°35	21°42	20°28	18°14	12°2	13°10	26°42	22°7
M16	11 34 28	25°19'44	20°58	8°11	16°50	19°13	23°17	3°40	21°44	20°26	18°13	12°0	13°7	26°49	22°11
T 17	11 38 24	26°19'42	5♏17	9°49	18°5	19°42	23°9	3°44	21°46	20°25	18°12	11°D59	13°4	26°56	22°14
W18	11 42 21	27°19'37	19°16	11°28	19°20	20°10	23°2	3°48	21°48	20°23	18°11	11°59	13°1	27°2	22°18
T 19	11 46 17	28°19'31	2II52	13°8	20°35	20°38	22°54	3°53	21°51	20°22	18°10	12°0	12°57	27°9	22°22
F 20	11 50 14	29°19'23	16°5	14°50	21°50	21°6	22°46	3°58	21°53	20°20	18°9	12°1	12°54	27°16	22°25
S 21	11 54 10	0♏19'13	28°55	16°32	23°4	21°34	22°38	4°2	21°56	20°19	18°8	12°2	12°51	27°23	22°29
S 22	11 58 7	1°19'02	11♌26	18°16	24°19	22°1	22°31	4°7	21°58	20°17	18°7	12°3	12°48	27°29	22°32
M23	12 2 3	2°18'49	23°40	20°1	25°34	22°28	22°23	4°12	22°0	20°16	18°6	12°4	12°45	27°36	22°35
T 24	12 6 0	3°18'34	5♌41	21°47	26°49	22°55	22°15	4°17	22°3	20°14	18°5	12°R 4	12°42	27°43	22°38
W25	12 9 57	4°18'18	17°36	23°34	28°3	23°22	22°8	4°22	22°6	20°12	18°4	12°4	12°38	27°50	22°41
T 26	12 13 53	5°18'00	29°28	25°23	29°18	23°49	22°0	4°27	22°8	20°11	18°3	12°3	12°35	27°56	22°44
F 27	12 17 50	6°17'40	11♍21	27°13	0♏33	24°15	21°53	4°33	22°11	20°9	18°2	12°2	12°32	28°3	22°47
S 28	12 21 46	7°17'18	23°20	29°4	1°48	24°41	21°46	4°38	22°13	20°8	18°2	12°2	12°29	28°10	22°50
S 29	12 25 43	8°16'55	5♋29	0♏56	3°2	25°7	21°38	4°43	22°16	20°6	18°1	12°1	12°26	28°16	22°53
M30	12 29 39	9°16'30	17°49	2°49	4°17	25°33	21°31	4°49	22°19	20°4	18°0	12°1	12°22	28°23	22°56
T 31	12 33 36	10♏16'02	0♏22	4♏44	5♏32	25♌58	21II24	4II54	22♌22	20♌3	17♎59	12♌0	12♌19	28♌30	22♌59

Delta T = 19m43s

APRIL 2443

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	12 37 32	11♏15°33	13♏10	6♏40	6♏46	26♌23	21°R17	5II 0	22♌24	20°R 1	17°R58	12°D 0	12♌16	28♌37	23♌1
T 2	12 41 29	12°15'02	26°13	8°37	8°1	26°48	21II10	5°5	22°27	20♌0	17♎58	12°R 0	12°13	28°43	23°4
F 3	12 45 25	13°14'29	9♌30	10°36	9°15	27°13	21°3	5°11	22°30	19°58	17°57	12♌0	12°10	28°50	23°6
S 4	12 49 22	14°13'53	23°0	12°35	10°30	27°37	20°56	5°17	22°33	19°56	17°56	12°0	12°7	28°57	23°8
S 5	12 53 19	15°13'16	6II43	14°36	11°45	28°1	20°50	5°23	22°36	19°55	17°56	12°0	12°3	29°3	23°11
M 6	12 57 15	16°12'36	20°36	16°37	12°59	28°25	20°43	5°29	22°39	19°53	17°55	12°0	12°0	29°10	23°13
T 7	13 1 12	17°11'54	4♍38	18°39	14°14	28°48	20°37	5°35	22°42	19°51	17°54	11°59	11°57	29°17	23°15
W 8	13 5 8	18°11'10	18°48	20°42	15°28	29°11	20°31	5°41	22°45	19°50	17°54	11°D59	11°54	29°24	23°17
T 9	13 9 5	19°10'23	3♎2	22°46	16°43	29°34	20°24	5°47	22°48	19°48	17°53	11°59	11°51	29°30	23°19
F 10	13 13 1	20°9'34	17°18	24°50	17°57	29°56	20°18	5°53	22°51	19°46	17°53	12°0	11°47	29°37	23°21
S 11	13 16 58	21°8'43	1II34	26°54	19°12	0♌18	20°13	5°59	22°54	19°45	17°52	12°1	11°44	29°44	23°22
S 12	13 20 54	22°7'49	15°46	28°57	20°26	0°40	20°7	6°6	22°57	19°43	17°52	12°1	11°41	29°50	23°24
M13	13 24 51	23°6'53	29°51	1♌1	21°41	1°2	20°1	6°12	23°0	19°42	17°51	12°2	11°38	29°57	23°26
T 14	13 28 48	24°5'55	13♌46	3°4	22°55	1°23	19°56	6°18	23°3	19°40	17°51	12°R 2	11°35	0♋4	23°27
W15	13 32 44	25°4'55	27°26	5°6	24°10	1°43	19°50	6°25	23°6	19°38	17°50	12°2	11°32	0°11	23°29
T 16	13 36 41	26°3'53	10II50	7°6	25°24	2°4	19°45	6°31	23°9	19°37	17°50	12°1	11°28	0°17	23°30
F 17	13 40 37	27°2'49	23°56	9°5	26°38	2°24	19°40	6°38	23°12	19°35	17°50	11°59	11°25	0°24	23°31
S 18	13 44 34	28°1'43	6♌43	11°1	27°53	2°43	19°35	6°45	23°16	19°33	17°49	11°57	11°22	0°31	23°32
S 19	13 48 30	29°0'35	19°14	12°56	29°7	3°3	19°31	6°51	23°19	19°32	17°49	11°54	11°19	0°37	23°34
M20	13 52 27	29°59'26	1♌29	14°47	0♌21	3°21	19°26	6°58	23°22	19°30	17°49	11°52	11°16	0°44	23°35
T 21	13 56 23	0♌58'15	13°33	16°35	1°36	3°40	19°22	7°5	23°25	19°28	17°48	11°50	11°13	0°51	23°35
W22	14 0 20	1°57'02	25°29	18°20	2°50	3°58	19°17	7°12	23°29	19°27	17°48	11°49	11°9	0°58	23°36
T 23	14 4 17	2°55'47	7♋21	20°1	4°4	4°15	19°13	7°18	23°32	19°25	17°48	11°D49	11°6	1°4	23°37
F 24	14 8 13	3°54'31	19°15	21°39	5°19	4°32	19°9	7°25	23°35	19°24	17°48	11°50	11°3	1°11	23°38
S 25	14 12 10	4°53'13	1♋15	23°12	6°33	4°49	19°6	7°32	23°39	19°22	17°48	11°51	11°0	1°18	23°38
S 26	14 16 6	5°51'53	13°26	24°40	7°47	5°5	19°2	7°39	23°42	19°21	17°47	11°53	10°57	1°24	23°39
M27	14 20 3	6°50'32	25°52	26°4	9°1	5°21	18°59	7°46	23°45	19°19	17°47	11°54	10°53	1°31	23°39
T 28	14 23 59	7°49'09	8♏35	27°24	10°15	5°36	18°56	7°53	23°49	19°17	17°47	11°R55	10°50	1°38	23°40
W29	14 27 56	8°47'44	21°38	28°38	11°30	5°51	18°52	8°0	23°52	19°16	17°47	11°55	10°47	1°45	23°40
T 30	14 31 52	9♌46'17	5♌1	29♌48	12♌44	6♌5	18II50	8II 8	23♌55	19♌14	17°D47	11♌53	10♌44	1♌51	23♌40

Delta T = 19m44s

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SWISS EPHEMERIS for the year 2443

MAY 2443

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
F 1	14 35 49	10♁44'49	18♁43	0♁52	13♁58	6♁18	18°R47	8♁15	23♁59	19°R13	17♁47	11°R50	10♁41	1♁58	23°R40
S 2	14 39 46	11°43'18	2♁41	1°51	15°12	6°31	18♁44	8°22	24° 2	19♁11	17°47	11♁46	10°38	2° 5	23♁40
S 3	14 43 42	12°41'46	16°52	2°45	16°26	6°44	18°42	8°29	24° 6	19°10	17°47	11°42	10°34	2°11	23°40
M 4	14 47 39	13°40'12	1♁10	3°34	17°40	6°56	18°40	8°37	24° 9	19° 8	17°47	11°37	10°31	2°18	23°40
T 5	14 51 35	14°38'35	15°31	4°17	18°55	7° 7	18°38	8°44	24°12	19° 7	17°48	11°33	10°28	2°25	23°39
W 6	14 55 32	15°36'57	29°50	4°55	20° 9	7°18	18°36	8°51	24°16	19° 5	17°48	11°31	10°25	2°32	23°39
T 7	14 59 28	16°35'16	14♁ 4	5°27	21°23	7°28	18°35	8°59	24°19	19° 4	17°48	11°D30	10°22	2°38	23°39
F 8	15 3 25	17°33'34	28°11	5°53	22°37	7°38	18°33	9° 6	24°23	19° 3	17°48	11°30	10°19	2°45	23°38
S 9	15 7 21	18°31'49	12♁10	6°14	23°51	7°47	18°32	9°14	24°26	19° 1	17°48	11°31	10°15	2°52	23°37
S 10	15 11 18	19°30'02	25°58	6°30	25° 5	7°55	18°31	9°21	24°30	19° 0	17°49	11°33	10°12	2°58	23°37
M11	15 15 15	20°28'13	9♁37	6°40	26°19	8° 3	18°30	9°28	24°33	18°58	17°49	11°R34	10° 9	3° 5	23°36
T 12	15 19 11	21°26'23	23° 4	6°R45	27°33	8°10	18°29	9°36	24°37	18°57	17°49	11°33	10° 6	3°12	23°35
W13	15 23 8	22°24'30	6♁20	6°45	28°47	8°17	18°29	9°44	24°40	18°56	17°50	11°31	10° 3	3°19	23°34
T 14	15 27 4	23°22'36	19°24	6°39	0♁ 1	8°23	18°29	9°51	24°44	18°54	17°50	11°26	9°59	3°25	23°33
F 15	15 31 1	24°20'40	2♁15	6°29	1°14	8°28	18°D28	9°59	24°47	18°53	17°50	11°20	9°56	3°32	23°32
S 16	15 34 57	25°18'43	14°52	6°14	2°28	8°32	18°28	10° 6	24°50	18°52	17°51	11°13	9°53	3°39	23°31
S 17	15 38 54	26°16'44	27°16	5°55	3°42	8°36	18°29	10°14	24°54	18°51	17°51	11° 4	9°50	3°45	23°30
M18	15 42 50	27°14'43	9♁28	5°32	4°56	8°39	18°29	10°22	24°57	18°49	17°52	10°57	9°47	3°52	23°28
T 19	15 46 47	28°12'42	21°30	5° 6	6°10	8°42	18°30	10°29	25° 1	18°48	17°52	10°50	9°44	3°59	23°27
W20	15 50 44	29°10'38	3♁25	4°36	7°24	8°43	18°30	10°37	25° 4	18°47	17°53	10°44	9°40	4° 6	23°25
T 21	15 54 40	0♁ 8'34	15°17	4° 5	8°38	8°44	18°31	10°45	25° 8	18°46	17°53	10°41	9°37	4°12	23°24
F 22	15 58 37	1° 6'28	27°10	3°31	9°52	8°R45	18°33	10°52	25°11	18°45	17°54	10°D40	9°34	4°19	23°22
S 23	16 2 33	2° 4'21	9♁ 9	2°57	11° 5	8°44	18°34	11° 0	25°15	18°44	17°54	10°40	9°31	4°26	23°20
S 24	16 6 30	3° 2'13	21°19	2°21	12°19	8°43	18°35	11° 8	25°18	18°43	17°55	10°41	9°28	4°32	23°18
M25	16 10 26	4° 0'04	3♁45	1°46	13°33	8°41	18°37	11°15	25°22	18°42	17°56	10°42	9°24	4°39	23°17
T 26	16 14 23	4°57'53	16°32	1°12	14°47	8°38	18°39	11°23	25°25	18°41	17°56	10°R42	9°21	4°46	23°15
W27	16 18 19	5°55'41	29°42	0°38	16° 0	8°34	18°41	11°31	25°28	18°40	17°57	10°40	9°18	4°52	23°13
T 28	16 22 16	6°53'29	13♁18	0° 7	17°14	8°30	18°43	11°39	25°32	18°39	17°58	10°36	9°15	4°59	23°11
F 29	16 26 13	7°51'15	27°19	29♁38	18°28	8°25	18°46	11°46	25°35	18°38	17°59	10°30	9°12	5° 6	23° 8
S 30	16 30 9	8°48'59	11♁40	29°11	19°42	8°19	18°48	11°54	25°39	18°37	17°59	10°22	9° 9	5°13	23° 6
S 31	16 34 6	9♁46'43	26♁18	28♁48	20♁55	8♁12	18♁51	12♁ 2	25♁42	18♁36	18♁ 0	10♁13	9♁ 5	5♁19	23♁ 4

Delta T = 19m44s

JUNE 2443

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
M 1	16 38 2	10♁44'25	11♁ 3	28°R28	22♁ 9	8°R 5	18♁54	12♁10	25♁46	18°R35	18♁ 1	10°R 4	9♁ 2	5♁26	23°R 1
T 2	16 41 59	11°42'06	25°48	28♁12	23°23	7♁57	18°57	12°18	25°49	18♁34	18° 2	9♁56	8°59	5°33	22♁59
W 3	16 45 55	12°39'45	10♁26	28° 0	24°36	7°48	19° 0	12°25	25°52	18°33	18° 3	9°50	8°56	5°39	22°57
T 4	16 49 52	13°37'23	24°51	27°53	25°50	7°38	19° 3	12°33	25°56	18°32	18° 4	9°47	8°53	5°46	22°54
F 5	16 53 48	14°34'59	9♁ 1	27°D49	27° 4	7°28	19° 7	12°41	25°59	18°32	18° 5	9°D45	8°50	5°53	22°51
S 6	16 57 45	15°32'34	22°53	27°50	28°17	7°17	19°11	12°49	26° 2	18°31	18° 6	9°45	8°46	6° 0	22°49
S 7	17 1 42	16°30'07	6♁29	27°56	29°31	7° 5	19°15	12°56	26° 6	18°30	18° 6	9°R46	8°43	6° 6	22°46
M 8	17 5 38	17°27'39	19°50	28° 6	0♁44	6°53	19°19	13° 4	26° 9	18°30	18° 7	9°46	8°40	6°13	22°43
T 9	17 9 35	18°25'10	2♁57	28°21	1°58	6°40	19°23	13°12	26°12	18°29	18° 8	9°43	8°37	6°20	22°40
W10	17 13 31	19°22'39	15°52	28°40	3°11	6°26	19°27	13°20	26°15	18°28	18°10	9°39	8°34	6°26	22°37
T 11	17 17 28	20°20'07	28°35	29° 3	4°25	6°12	19°32	13°27	26°19	18°28	18°11	9°31	8°30	6°33	22°34
F 12	17 21 24	21°17'35	11♁ 9	29°31	5°38	5°57	19°37	13°35	26°22	18°27	18°12	9°21	8°27	6°40	22°31
S 13	17 25 21	22°15'01	23°32	0♁ 2	6°52	5°42	19°41	13°43	26°25	18°27	18°13	9°10	8°24	6°47	22°28
S 14	17 29 17	23°12'27	5♁46	0°39	8° 5	5°26	19°46	13°51	26°28	18°26	18°14	8°57	8°21	6°53	22°25
M15	17 33 14	24° 9'51	17°51	1°19	9°19	5°10	19°52	13°58	26°31	18°26	18°15	8°44	8°18	7° 0	22°22
T 16	17 37 11	25° 7'15	29°48	2° 3	10°32	4°53	19°57	14° 6	26°35	18°25	18°16	8°33	8°15	7° 7	22°19
W17	17 41 7	26° 4'38	11♁41	2°51	11°46	4°36	20° 2	14°14	26°38	18°25	18°17	8°24	8°11	7°13	22°16
T 18	17 45 4	27° 2'01	23°31	3°42	12°59	4°18	20° 8	14°21	26°41	18°24	18°19	8°17	8° 8	7°20	22°12
F 19	17 49 0	27°59'23	5♁23	4°38	14°13	4° 0	20°14	14°29	26°44	18°24	18°20	8°13	8° 5	7°27	22° 9
S 20	17 52 57	28°56'44	17°20	5°37	15°26	3°42	20°20	14°37	26°47	18°24	18°21	8°11	8° 2	7°33	22° 6
S 21	17 56 53	29°54'05	29°28	6°40	16°39	3°23	20°26	14°44	26°50	18°23	18°22	8°D11	7°59	7°40	22° 2
M22	18 0 50	0♁51'26	11♁52	7°46	17°53	3° 4	20°32	14°52	26°53	18°23	18°24	8°R11	7°56	7°47	21°59
T 23	18 4 46	1°48'46	24°37	8°55	19° 6	2°45	20°38	14°59	26°56	18°23	18°25	8°10	7°52	7°54	21°55
W24	18 8 43	2°46'06	7♁48	10° 8	20°19	2°26	20°44	15° 7	26°59	18°23	18°26	8° 7	7°49	8° 0	21°52
T 25	18 12 40	3°43'25	21°26	11°25	21°33	2° 6	20°51	15°15	27° 2	18°23	18°28	8° 3	7°46	8° 7	21°48
F 26	18 16 36	4°40'44	5♁34	12°44	22°46	1°47	20°58	15°22	27° 5	18°22	18°29	7°55	7°43	8°14	21°44
S 27	18 20 33	5°38'03	20° 8	14° 7	23°59	1°27	21° 5	15°30	27° 8	18°22	18°30	7°46	7°40	8°20	21°41
S 28	18 24 29	6°35'22	5♁ 2	15°34	25°13	1° 8	21°12	15°37	27°11	18°22	18°32	7°35	7°36	8°27	21°37
M29	18 28 26	7°32'40	20° 7	17° 3	26°26	0°49	21°19	15°44	27°14	18°D22	18°33	7°24	7°33	8°34	21°34
T 30	18 32 22	8♁29'58	5♁14	18♁36	27♁39	0♁29	21♁26	15♁52	27♁16	18♁22	18♁35	7♁14	7♁30	8♁40	21♁30

Delta T = 19m44s

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SWISS EPHEMERIS for the year 2443

JULY 2443

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	18 36 19	9 ^h 27'15	20 ^h 12	20 ^h 11	28 ^h 53	0°R10	21 ^h 33	15 ^h 59	27 ^h 19	18 ^h 22	18 ^h 36	7°R 7	7 ^h 27	8 ^h 47	21°R26
T 2	18 40 15	10°24'31	4 ^h 54	21°50	0 ^h 6	29 ^h 52	21°41	16° 7	27°22	18°22	18°37	7 ^h 2	7°24	8°54	21 ^h 22
F 3	18 44 12	11°21'47	1°19	23°32	1°19	29°33	21°48	16°14	27°25	18°22	18°39	6°59	7°21	9° 1	21°19
S 4	18 48 9	12°19'02	3 ^h 11	25°17	2°32	29°15	21°56	16°21	27°27	18°23	18°40	6°59	7°17	9° 7	21°15
S 5	18 52 5	13°16'16	16°46	27° 5	3°45	28°57	22° 4	16°28	27°30	18°23	18°42	6°59	7°14	9°14	21°11
M 6	18 56 2	14°13'30	29°59	28°55	4°58	28°40	22°12	16°36	27°33	18°23	18°43	6°58	7°11	9°21	21° 7
T 7	18 59 58	15°10'44	12 ^h 55	0 ^h 49	6°12	28°23	22°20	16°43	27°35	18°23	18°45	6°56	7° 8	9°27	21° 3
W 8	19 3 55	16° 7'57	25°36	2°45	7°25	28° 6	22°28	16°50	27°38	18°23	18°46	6°51	7° 5	9°34	21° 0
T 9	19 7 51	17° 5'10	8 ^h 5	4°43	8°38	27°50	22°37	16°57	27°40	18°24	18°48	6°43	7° 2	9°41	20°56
F 10	19 11 48	18° 2'22	20°24	6°44	9°51	27°35	22°45	17° 4	27°43	18°24	18°50	6°33	6°58	9°48	20°52
S 11	19 15 44	18°59'35	2 ^h 34	8°47	11° 4	27°20	22°54	17°11	27°45	18°24	18°51	6°21	6°55	9°54	20°48
S 12	19 19 41	19°56'47	14°38	10°51	12°17	27° 6	23° 2	17°18	27°48	18°25	18°53	6° 8	6°52	10° 1	20°44
M13	19 23 38	20°53'59	26°36	12°58	13°30	26°52	23°11	17°25	27°50	18°25	18°54	5°55	6°49	10° 8	20°40
T 14	19 27 34	21°51'12	8 ^h 29	15° 5	14°43	26°39	23°20	17°32	27°53	18°26	18°56	5°43	6°46	10°14	20°36
W15	19 31 31	22°48'24	20°20	17°14	15°56	26°27	23°29	17°39	27°55	18°26	18°58	5°34	6°42	10°21	20°33
T 16	19 35 27	23°45'36	2 ^h 9	19°23	17° 9	26°15	23°38	17°46	27°57	18°27	18°59	5°27	6°39	10°28	20°29
F 17	19 39 24	24°42'49	14° 1	21°33	18°22	26° 5	23°47	17°53	27°59	18°27	19° 1	5°22	6°36	10°34	20°25
S 18	19 43 20	25°40'02	25°59	23°42	19°35	25°55	23°56	17°59	28° 2	18°28	19° 3	5°20	6°33	10°41	20°21
S 19	19 47 17	26°37'15	8 ^h 7	25°52	20°48	25°45	24° 6	18° 6	28° 4	18°28	19° 4	5°D20	6°30	10°48	20°17
M20	19 51 13	27°34'29	20°30	28° 1	22° 0	25°37	24°15	18°13	28° 6	18°29	19° 6	5°20	6°27	10°54	20°13
T 21	19 55 10	28°31'44	3 ^h 13	0 ^h 10	23°13	25°29	24°25	18°19	28° 8	18°30	19° 8	5°R20	6°23	11° 1	20°10
W22	19 59 7	29°28'59	16°20	2°18	24°26	25°22	24°35	18°26	28°10	18°30	19° 9	5°19	6°20	11° 8	20° 6
T 23	20 3 3	0 ^h 26'15	29°54	4°24	25°39	25°16	24°44	18°32	28°12	18°31	19°11	5°16	6°17	11°15	20° 2
F 24	20 7 0	1°23'31	13 ^h 59	6°30	26°52	25°11	24°54	18°39	28°14	18°32	19°13	5°10	6°14	11°21	19°58
S 25	20 10 56	2°20'48	28°31	8°34	28° 5	25° 6	25° 4	18°45	28°16	18°33	19°14	5° 3	6°11	11°28	19°55
S 26	20 14 53	3°18'05	13 ^h 27	10°37	29°17	25° 3	25°14	18°51	28°18	18°33	19°16	4°54	6° 8	11°35	19°51
M27	20 18 49	4°15'23	28°39	12°38	0 ^h 30	25° 0	25°24	18°58	28°20	18°34	19°18	4°45	6° 4	11°41	19°47
T 28	20 22 46	5°12'42	13 ^h 55	14°37	1°43	24°58	25°34	19° 4	28°22	18°35	19°20	4°37	6° 1	11°48	19°44
W29	20 26 42	6°10'01	29° 6	16°35	2°55	24°57	25°45	19°10	28°23	18°36	19°21	4°31	5°58	11°55	19°40
T 30	20 30 39	7° 7'20	14 ^h 2	18°32	4° 8	24°D57	25°55	19°16	28°25	18°37	19°23	4°27	5°55	12° 1	19°37
F 31	20 34 36	8 ^h 4'40	28 ^h 35	20 ^h 26	5 ^h 21	24°57	26 ^h 6	19 ^h 22	28 ^h 27	18 ^h 38	19 ^h 25	4°D25	5 ^h 52	12 ^h 8	19 ^h 33

Delta T = 19m45s

AUGUST 2443

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	20 38 32	9 ^h 2'00	12 ^h 42	22 ^h 19	6 ^h 33	24°59	26 ^h 16	19 ^h 28	28 ^h 28	18 ^h 39	19 ^h 27	4 ^h 25	5 ^h 48	12 ^h 15	19°R30
S 2	20 42 29	9°59'20	26°23	24°10	7°46	25° 1	26°27	19°34	28°30	18°40	19°29	4°26	5°45	12°22	19 ^h 26
M 3	20 46 25	10°56'40	9 ^h 33	26° 0	8°58	25° 4	26°37	19°40	28°32	18°41	19°30	4°R27	5°42	12°28	19°23
T 4	20 50 22	11°54'01	22°33	27°47	10°11	25° 8	26°48	19°46	28°33	18°42	19°32	4°26	5°39	12°35	19°19
W 5	20 54 18	12°51'23	5 ^h 8	29°33	11°23	25°13	26°59	19°51	28°35	18°43	19°34	4°24	5°36	12°42	19°16
T 6	20 58 15	13°48'45	17°30	1 ^h 18	12°36	25°19	27°10	19°57	28°36	18°44	19°36	4°19	5°33	12°48	19°13
F 7	21 2 11	14°46'08	29°40	3° 0	13°48	25°25	27°21	20° 3	28°37	18°46	19°37	4°13	5°29	12°55	19° 9
S 8	21 6 8	15°43'31	11 ^h 42	4°41	15° 1	25°33	27°32	20° 8	28°39	18°47	19°39	4° 5	5°26	13° 2	19° 6
S 9	21 10 5	16°40'55	23°38	6°20	16°13	25°41	27°43	20°14	28°40	18°48	19°41	3°56	5°23	13° 8	19° 3
M10	21 14 1	17°38'19	5 ^h 30	7°57	17°25	25°50	27°54	20°19	28°41	18°49	19°43	3°47	5°20	13°15	19° 0
T 11	21 17 58	18°35'45	17°21	9°33	18°38	25°59	28° 5	20°24	28°42	18°51	19°45	3°39	5°17	13°22	18°57
W12	21 21 54	19°33'11	29°12	11° 7	19°50	26°10	28°17	20°30	28°44	18°52	19°46	3°33	5°14	13°29	18°54
T 13	21 25 51	20°30'38	11 ^h 5	12°40	21° 2	26°21	28°28	20°35	28°45	18°53	19°48	3°29	5°10	13°35	18°51
F 14	21 29 47	21°28'06	23° 2	14°11	22°14	26°32	28°40	20°40	28°46	18°55	19°50	3°26	5° 7	13°42	18°48
S 15	21 33 44	22°25'36	5 ^h 6	15°40	23°26	26°45	28°51	20°45	28°47	18°56	19°52	3°D26	5° 4	13°49	18°45
S 16	21 37 40	23°23'06	17°19	17° 7	24°39	26°58	29° 3	20°50	28°48	18°57	19°54	3°26	5° 1	13°55	18°42
M17	21 41 37	24°20'38	29°46	18°33	25°51	27°12	29°14	20°55	28°49	18°59	19°55	3°28	4°58	14° 2	18°39
T 18	21 45 34	25°18'11	12 ^h 30	19°56	27° 3	27°26	29°26	20°59	28°49	19° 0	19°57	3°29	4°54	14° 9	18°36
W19	21 49 30	26°15'46	25°35	21°18	28°15	27°42	29°38	21° 4	28°50	19° 2	19°59	3°R30	4°51	14°15	18°34
T 20	21 53 27	27°13'22	9 ^h 4	22°39	29°27	27°58	29°49	21° 9	28°51	19° 3	20° 1	3°29	4°48	14°22	18°31
F 21	21 57 23	28°11'00	23° 0	23°57	0 ^h 39	28°14	0 ^h 1	21°13	28°52	19° 5	20° 3	3°27	4°45	14°29	18°29
S 22	22 1 20	29° 8'39	7 ^h 21	25°14	1°51	28°31	0°13	21°18	28°52	19° 6	20° 4	3°24	4°42	14°35	18°26
S 23	22 5 16	0 ^h 6'19	22° 6	26°28	3° 2	28°49	0°25	21°22	28°53	19° 8	20° 6	3°19	4°39	14°42	18°24
M24	22 9 13	1° 4'01	7 ^h 8	27°41	4°14	29° 7	0°37	21°27	28°54	19°10	20° 8	3°15	4°35	14°49	18°22
T 25	22 13 9	2° 1'45	22°18	28°51	5°26	29°26	0°49	21°31	28°54	19°11	20°10	3°11	4°32	14°55	18°19
W26	22 17 6	2°59'29	7 ^h 28	0 ^h 0	6°38	29°46	1° 1	21°35	28°55	19°13	20°11	3° 7	4°29	15° 2	18°17
T 27	22 21 3	3°57'15	22° 7	1° 6	7°50	0 ^h 6	1°13	21°39	28°55	19°15	20°13	3° 6	4°26	15° 9	18°15
F 28	22 24 59	4°55'02	7 ^h 7	2° 9	9° 1	0°27	1°26	21°43	28°55	19°16	20°15	3°D 5	4°23	15°16	18°13
S 29	22 28 56	5°52'51	21°23	3°11	10°13	0°48	1°38	21°47	28°56	19°18	20°17	3° 6	4°19	15°22	18°11
S 30	22 32 52	6°50'40	5 ^h 12	4° 9	11°25	1°10	1°50	21°50	28°56	19°20	20°18	3° 8	4°16	15°29	18° 9
M31	22 36 49	7 ^h 48'31	18 ^h 34	5 ^h 5	12 ^h 36	1 ^h 33	2 ^h 2	21 ^h 54	28 ^h 56	19 ^h 21	20 ^h 20	3 ^h 9	4 ^h 13	15 ^h 36	18 ^h 7

Delta T = 19m45s

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SWISS EPHEMERIS for the year 2443

SEPTEMBER 2443

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	22 40 45	8 ^h 46'23	1 ^h 32	5 ^h 58	13 ^h 48	1 ^h 356	2 ^h 15	21 ^h 58	28 ^h 56	19 ^h 23	20 ^h 22	3 ^h 10	4 ^h 10	15 ^h 42	18 ^h R 5		
W 2	22 44 42	9°44'16	14° 9	6°48	14°59	2°19	2°27	22° 1	28°56	19°25	20°24	3°R10	4° 7	15°49	18 ^h 3 4		
T 3	22 48 38	10°42'10	26°29	7°34	16°11	2°43	2°39	22° 5	28°56	19°27	20°25	3° 9	4° 4	15°56	18° 2		
F 4	22 52 35	11°40'06	8 ^h 36	8°17	17°22	3° 8	2°52	22° 8	28 ^h R56	19°29	20°27	3° 7	4° 0	16° 2	18° 0		
S 5	22 56 32	12°38'02	20°34	8°57	18°33	3°32	3° 4	22°11	28°56	19°31	20°29	3° 5	3°57	16° 9	17°59		
S 6	23 0 28	13°36'01	2 ^h 27	9°32	19°45	3°58	3°17	22°14	28°56	19°32	20°30	3° 2	3°54	16°16	17°58		
M 7	23 4 25	14°34'00	14°17	10° 4	20°56	4°24	3°29	22°17	28°56	19°34	20°32	2°59	3°51	16°22	17°56		
T 8	23 8 21	15°32'01	26° 8	10°31	22° 7	4°50	3°42	22°20	28°56	19°36	20°34	2°56	3°48	16°29	17°55		
W 9	23 12 18	16°30'03	8 ^h 3	10°53	23°18	5°17	3°55	22°23	28°56	19°38	20°35	2°54	3°45	16°36	17°54		
T 10	23 16 14	17°28'07	20° 3	11°10	24°29	5°44	4° 7	22°26	28°55	19°40	20°37	2°53	3°41	16°43	17°53		
F 11	23 20 11	18°26'13	2 ^h 9	11°22	25°40	6°12	4°20	22°28	28°55	19°42	20°39	2°D52	3°38	16°49	17°52		
S 12	23 24 7	19°24'21	14°25	11°29	26°51	6°40	4°33	22°31	28°55	19°44	20°40	2°53	3°35	16°56	17°51		
S 13	23 28 4	20°22'30	26°51	11°R29	28° 2	7° 8	4°45	22°33	28°54	19°46	20°42	2°53	3°32	17° 3	17°50		
M 14	23 32 0	21°20'41	9 ^h 29	11°24	29°13	7°37	4°58	22°36	28°54	19°48	20°43	2°54	3°29	17° 9	17°49		
T 15	23 35 57	22°18'54	22°23	11°12	0 ^h 24	8° 6	5°11	22°38	28°53	19°50	20°45	2°55	3°25	17°16	17°49		
W 16	23 39 54	23°17'09	5 ^h 33	10°54	1°35	8°35	5°24	22°40	28°53	19°52	20°47	2°56	3°22	17°23	17°48		
T 17	23 43 50	24°15'26	19° 3	10°29	2°45	9° 5	5°36	22°42	28°52	19°54	20°48	2°R57	3°19	17°29	17°47		
F 18	23 47 47	25°13'45	2 ^h 52	9°57	3°56	9°36	5°49	22°44	28°51	19°56	20°50	2°57	3°16	17°36	17°47		
S 19	23 51 43	26°12'07	17° 0	9°19	5° 7	10° 6	6° 2	22°46	28°51	19°58	20°51	2°56	3°13	17°43	17°47		
S 20	23 55 40	27°10'30	1 ^h 27	8°36	6°17	10°37	6°15	22°47	28°50	20° 0	20°53	2°56	3°10	17°49	17°46		
M 21	23 59 36	28° 8'56	16° 9	7°46	7°28	11° 8	6°28	22°49	28°49	20° 2	20°54	2°55	3° 6	17°56	17°46		
T 22	0 3 33	29° 7'23	1 ^h 0	6°52	8°38	11°40	6°41	22°51	28°48	20° 5	20°56	2°55	3° 3	18° 3	17°46		
W 23	0 7 29	0 ^h 5'53	15°52	5°53	9°48	12°12	6°54	22°52	28°47	20° 7	20°57	2°54	3° 0	18° 9	17°D46		
T 24	0 11 26	1° 4'24	0 ^h 40	4°52	10°59	12°44	7° 7	22°53	28°46	20° 9	20°59	2°D54	2°57	18°16	17°46		
F 25	0 15 23	2° 2'57	15°14	3°49	12° 9	13°17	7°19	22°54	28°45	20°11	21° 0	2°54	2°54	18°23	17°46		
S 26	0 19 19	3° 1'32	29°29	2°45	13°19	13°50	7°32	22°55	28°44	20°13	21° 1	2°R54	2°50	18°29	17°46		
S 27	0 23 16	4° 0'09	13 ^h 22	1°43	14°29	14°23	7°45	22°56	28°43	20°15	21° 3	2°54	2°47	18°36	17°47		
M 28	0 27 12	4°58'48	26°49	0°44	15°39	14°57	7°58	22°57	28°42	20°17	21° 4	2°54	2°44	18°43	17°47		
T 29	0 31 9	5°57'28	9 ^h 52	29 ^h 49	16°49	15°30	8°11	22°58	28°41	20°20	21° 6	2°54	2°41	18°49	17°48		
W 30	0 35 5	6 ^h 56'10	22 ^h 33	29 ^h 0	17 ^h 59	16 ^h 3 4	8 ^h 24	22 ^h 59	28 ^h 39	20 ^h 22	21 ^h 7	2 ^h 54	2 ^h 38	18 ^h 56	17 ^h 348		

Delta T = 19m45s

OCTOBER 2443

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	0 39 2	7 ^h 54'54	4 ^h 55	28°R17	19 ^h 9	16 ^h 339	8 ^h 37	22 ^h 59	28°R38	20 ^h 24	21 ^h 8	2°D53	2°35	19 ^h 3	17 ^h 349		
F 2	0 42 58	8°53'39	17° 2	27 ^h 43	20°19	17°13	8°50	23° 0	28 ^h 37	20°26	21°10	2°D53	2°31	19°10	17°50		
S 3	0 46 55	9°52'26	29° 0	27°18	21°28	17°48	9° 3	23° 0	28°35	20°28	21°11	2°54	2°28	19°16	17°50		
S 4	0 50 52	10°51'15	10 ^h 51	27° 3	22°38	18°23	9°16	23° 0	28°34	20°30	21°12	2°55	2°25	19°23	17°51		
M 5	0 54 48	11°50'05	22°42	26°D58	23°47	18°59	9°29	23°R 0	28°33	20°33	21°13	2°55	2°22	19°30	17°52		
T 6	0 58 45	12°48'58	4 ^h 35	27° 3	24°57	19°34	9°42	23° 0	28°31	20°35	21°15	2°56	2°19	19°36	17°53		
W 7	1 2 41	13°47'52	16°34	27°18	26° 6	20°10	9°55	23° 0	28°30	20°37	21°16	2°57	2°16	19°43	17°54		
T 8	1 6 38	14°46'48	28°42	27°43	27°15	20°46	10° 8	23° 0	28°28	20°39	21°17	2°R58	2°12	19°50	17°56		
F 9	1 10 34	15°45'45	11 ^h 2	28°17	28°24	21°23	10°21	22°59	28°26	20°42	21°18	2°58	2° 9	19°56	17°57		
S 10	1 14 31	16°44'45	23°34	29° 1	29°33	21°59	10°34	22°59	28°25	20°44	21°19	2°57	2° 6	20° 3	17°58		
S 11	1 18 27	17°43'47	6 ^h 19	29°52	0 ^h 42	22°36	10°47	22°58	28°23	20°46	21°21	2°55	2° 3	20°10	18° 0		
M 12	1 22 24	18°42'51	19°19	0 ^h 52	1°51	23°13	10°59	22°57	28°21	20°48	21°22	2°53	2° 0	20°16	18° 1		
T 13	1 26 20	19°41'57	2 ^h 32	1°58	3° 0	23°50	11°12	22°57	28°20	20°50	21°23	2°51	1°56	20°23	18° 3		
W 14	1 30 17	20°41'05	15°58	3°11	4° 8	24°27	11°25	22°56	28°18	20°53	21°24	2°49	1°53	20°30	18° 5		
T 15	1 34 14	21°40'16	29°37	4°29	5°17	25° 5	11°38	22°55	28°16	20°55	21°25	2°47	1°50	20°36	18° 6		
F 16	1 38 10	22°39'29	13 ^h 28	5°52	6°25	25°43	11°51	22°54	28°14	20°57	21°26	2°46	1°47	20°43	18° 8		
S 17	1 42 7	23°38'45	27°31	7°19	7°33	26°21	12° 4	22°52	28°12	20°59	21°27	2°D45	1°44	20°50	18°10		
S 18	1 46 3	24°38'02	11 ^h 24	8°49	8°42	26°59	12°17	22°51	28°10	21° 2	21°28	2°46	1°41	20°56	18°12		
M 19	1 50 0	25°37'22	26° 3	10°22	9°50	27°37	12°29	22°50	28° 8	21° 4	21°29	2°47	1°37	21° 3	18°14		
T 20	1 53 56	26°36'44	10 ^h 28	11°58	10°58	28°15	12°42	22°48	28° 6	21° 6	21°30	2°49	1°34	21°10	18°16		
W 21	1 57 53	27°36'09	24°55	13°36	12° 6	28°54	12°55	22°46	28° 4	21° 8	21°31	2°50	1°31	21°16	18°19		
T 22	2 1 49	28°35'35	9 ^h 18	15°15	13°13	29°33	13° 8	22°45	28° 2	21°11	21°31	2°R50	1°28	21°23	18°21		
F 23	2 5 46	29°35'04	23°33	16°55	14°21	0 ^h 12	13°21	22°43	28° 0	21°13	21°32	2°49	1°25	21°30	18°23		
S 24	2 9 43	0 ^h 34'35	7 ^h 35	18°37	15°28	0°51	13°33	22°41	27°58	21°15	21°33	2°46	1°22	21°36	18°26		
S 25	2 13 39	1°34'08	21°20	20°18	16°36	1°30	13°46	22°39	27°56	21°17	21°34	2°42	1°18	21°43	18°29		
M 26	2 17 36	2°33'42	4 ^h 45	22° 1	17°43	2°10	13°59	22°36	27°54	21°19	21°35	2°37	1°15	21°50	18°31		
T 27	2 21 32	3°33'19	17°48	23°43	18°50	2°49	14°11	22°34	27°51	21°22	21°35	2°32	1°12	21°56	18°34		
W 28	2 25 29	4°32'57	0 ^h 30	25°26	19°57	3°29	14°24	22°32	27°49	21°24	21°36	2°27	1° 9	22° 3	18°37		
T 29	2 29 25	5°32'37	12°54	27° 8	21° 3	4° 9	14°36	22°29	27°47	21°26	21°37	2°24	1° 6	22°10	18°40		
F 30	2 33 22	6°32'19	25° 2	28°51	22°10	4°49	14°49	22°27	27°45	21°28	21°38	2°22	1° 2	22°17	18°42		
S 31	2 37 18	7 ^h 32'03	7 ^h 0	0 ^h 33	23 ^h 16	5 ^h 29	15 ^h 1	22 ^h 24	27 ^h 42	21 ^h 30	21 ^h 38	2°D21	0 ^h 59	22 ^h 23	18 ^h 345		

Delta T = 19m46s

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SWISS EPHEMERIS for the year 2443

NOVEMBER 2443

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
S 1	2 41 15	8♏31'48	18♌51	2♏15	24♌23	6♌10	15♌14	22°R21	27°R40	21♌32	21♏39	2♌21	0♌56	22♌30	18♌49		
M 2	2 45 12	9°31'35	0♌41	3°56	25°29	6°50	15°26	22♏18	27♌38	21°35	21°39	2°23	0°53	22°37	18°52		
T 3	2 49 8	10°31'23	12°35	5°37	26°34	7°31	15°38	22°15	27°36	21°37	21°40	2°25	0°50	22°43	18°55		
W 4	2 53 5	11°31'13	24°38	7°18	27°40	8°11	15°51	22°12	27°33	21°39	21°41	2°26	0°47	22°50	18°58		
T 5	2 57 1	12°31'05	6♏53	8°58	28°45	8°52	16° 3	22° 9	27°31	21°41	21°41	2°R26	0°43	22°57	19° 1		
F 6	3 0 58	13°30'59	19°24	10°38	29°51	9°33	16°15	22° 6	27°28	21°43	21°42	2°25	0°40	23° 3	19° 5		
S 7	3 4 54	14°30'54	2♌13	12°17	0♌56	10°14	16°27	22° 3	27°26	21°45	21°42	2°21	0°37	23°10	19° 8		
S 8	3 8 51	15°30'52	15°19	13°56	2° 0	10°55	16°39	21°59	27°24	21°47	21°42	2°16	0°34	23°17	19°12		
M 9	3 12 47	16°30'51	28°44	15°34	3° 5	11°36	16°52	21°56	27°21	21°49	21°43	2° 9	0°31	23°23	19°16		
T 10	3 16 44	17°30'52	12♏23	17°12	4° 9	12°18	17° 4	21°52	27°19	21°51	21°43	2° 1	0°27	23°30	19°19		
W11	3 20 41	18°30'55	26°15	18°50	5°13	12°59	17°16	21°49	27°16	21°54	21°44	1°53	0°24	23°37	19°23		
T 12	3 24 37	19°31'00	10♌16	20°27	6°17	13°41	17°28	21°45	27°14	21°56	21°44	1°47	0°21	23°43	19°27		
F 13	3 28 34	20°31'07	24°21	22° 3	7°21	14°22	17°39	21°41	27°11	21°58	21°44	1°42	0°18	23°50	19°31		
S 14	3 32 30	21°31'17	8♏29	23°40	8°24	15° 4	17°51	21°37	27° 9	22° 0	21°44	1°39	0°15	23°57	19°35		
S 15	3 36 27	22°31'28	22°38	25°15	9°27	15°46	18° 3	21°34	27° 6	22° 2	21°45	1°D38	0°12	24° 3	19°39		
M16	3 40 23	23°31'41	6♏45	26°51	10°30	16°28	18°15	21°30	27° 4	22° 4	21°45	1°39	0° 8	24°10	19°43		
T 17	3 44 20	24°31'56	20°49	28°26	11°32	17°10	18°26	21°25	27° 1	22° 6	21°45	1°40	0° 5	24°17	19°47		
W18	3 48 16	25°32'14	4♌50	0♌ 1	12°34	17°52	18°38	21°21	26°59	22° 7	21°45	1°R40	0° 2	24°23	19°51		
T 19	3 52 13	26°32'33	18°46	1°35	13°36	18°34	18°50	21°17	26°56	22° 9	21°45	1°39	29♏59	24°30	19°55		
F 20	3 56 10	27°32'54	2♏34	3° 9	14°37	19°16	19° 1	21°13	26°54	22°11	21°45	1°35	29°56	24°37	19°59		
S 21	4 0 6	28°33'17	16°13	4°43	15°38	19°58	19°12	21° 9	26°51	22°13	21°45	1°28	29°53	24°43	20° 4		
S 22	4 4 3	29°33'42	29°40	6°17	16°39	20°41	19°24	21° 4	26°49	22°15	21°46	1°20	29°49	24°50	20° 8		
M23	4 7 59	0♌34'08	12♏51	7°50	17°40	21°23	19°35	21° 0	26°46	22°17	21°R46	1° 9	29°46	24°57	20°12		
T 24	4 11 56	1°34'36	25°46	9°23	18°40	22° 6	19°46	20°55	26°44	22°19	21°46	0°58	29°43	25° 3	20°17		
W25	4 15 52	2°35'05	8♌24	10°56	19°39	22°48	19°57	20°51	26°42	22°21	21°45	0°47	29°40	25°10	20°22		
T 26	4 19 49	3°35'36	20°45	12°29	20°38	23°31	20° 8	20°46	26°39	22°22	21°45	0°38	29°37	25°17	20°26		
F 27	4 23 45	4°36'08	2♌52	14° 1	21°37	24°14	20°19	20°42	26°37	22°24	21°45	0°30	29°33	25°23	20°31		
S 28	4 27 42	5°36'41	14°49	15°33	22°35	24°56	20°30	20°37	26°34	22°26	21°45	0°26	29°30	25°30	20°35		
S 29	4 31 39	6°37'16	26°39	17° 5	23°33	25°39	20°41	20°32	26°32	22°28	21°45	0°23	29°27	25°37	20°40		
M30	4 35 35	7♌37'51	8♌28	18♌37	24♌31	26♌22	20♌52	20♏28	26♌29	22♌29	21♏45	0°D23	29♏24	25♌43	20♌45		

Delta T = 19m46s

DECEMBER 2443

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	4 39 32	8♌38'28	20♌21	20♌ 8	25♌27	27♌ 5	21♌ 2	20°R23	26°R27	22♌31	21°R45	0♌23	29♏21	25♌50	20♌50		
W 2	4 43 28	9°39'06	2♏23	21°39	26°24	27°48	21°13	20♏18	26♌24	22°33	21♏44	0°R23	29°18	25°57	20°55		
T 3	4 47 25	10°39'45	14°40	23°10	27°19	28°31	21°23	20°13	26°22	22°34	21°44	0°22	29°14	26° 3	21° 0		
F 4	4 51 21	11°40'25	27°16	24°41	28°15	29°14	21°34	20° 8	26°20	22°36	21°44	0°19	29°11	26°10	21° 5		
S 5	4 55 18	12°41'06	10♌15	26°12	29° 9	29°57	21°44	20° 3	26°17	22°38	21°43	0°13	29° 8	26°17	21°10		
S 6	4 59 14	13°41'49	23°37	27°42	0♌ 3	0♌41	21°54	19°59	26°15	22°39	21°43	0° 5	29° 5	26°23	21°15		
M 7	5 3 11	14°42'32	7♏23	29°12	0°56	1°24	22° 4	19°54	26°13	22°41	21°43	29♏54	29° 2	26°30	21°20		
T 8	5 7 8	15°43'17	21°28	0♌42	1°49	2° 7	22°14	19°49	26°10	22°42	21°42	29°42	28°59	26°37	21°25		
W 9	5 11 4	16°44'03	5♌49	2°11	2°41	2°51	22°24	19°44	26° 8	22°44	21°42	29°30	28°55	26°43	21°30		
T 10	5 15 1	17°44'50	20°18	3°40	3°32	3°34	22°34	19°39	26° 6	22°45	21°41	29°20	28°52	26°50	21°35		
F 11	5 18 57	18°45'39	4♏49	5° 8	4°22	4°17	22°44	19°34	26° 3	22°47	21°41	29°11	28°49	26°57	21°41		
S 12	5 22 54	19°46'29	19°15	6°36	5°12	5° 1	22°53	19°29	26° 1	22°48	21°40	29° 6	28°46	27° 3	21°46		
S 13	5 26 50	20°47'20	3♏34	8° 2	6° 1	5°44	23° 3	19°24	25°59	22°49	21°40	29° 3	28°43	27°10	21°51		
M14	5 30 47	21°48'13	17°42	9°28	6°49	6°28	23°12	19°19	25°57	22°51	21°39	29° 2	28°39	27°17	21°56		
T 15	5 34 43	22°49'06	1♌38	10°54	7°36	7°11	23°22	19°14	25°55	22°52	21°39	29° 2	28°36	27°23	22° 2		
W16	5 38 40	23°50'02	15°23	12°18	8°22	7°55	23°31	19° 9	25°53	22°53	21°38	29° 2	28°33	27°30	22° 7		
T 17	5 42 37	24°50'58	28°58	13°40	9° 7	8°38	23°40	19° 4	25°50	22°55	21°38	28°59	28°30	27°37	22°13		
F 18	5 46 33	25°51'56	12♏22	15° 1	9°51	9°22	23°49	19° 0	25°48	22°56	21°37	28°54	28°27	27°43	22°18		
S 19	5 50 30	26°52'54	25°36	16°20	10°34	10° 5	23°58	18°55	25°46	22°57	21°36	28°45	28°24	27°50	22°24		
S 20	5 54 26	27°53'54	8♌39	17°38	11°17	10°49	24° 7	18°50	25°44	22°58	21°35	28°34	28°20	27°57	22°29		
M21	5 58 23	28°54'55	21°31	18°52	11°57	11°33	24°15	18°45	25°42	23° 0	21°35	28°21	28°17	28° 3	22°35		
T 22	6 2 19	29°55'56	4♌10	20° 4	12°37	12°16	24°24	18°40	25°40	23° 1	21°34	28° 6	28°14	28°10	22°40		
W23	6 6 16	0♌56'58	16°37	21°12	13°16	13° 0	24°32	18°35	25°38	23° 2	21°33	27°52	28°11	28°17	22°46		
T 24	6 10 12	1°58'01	28°51	22°17	13°53	13°44	24°40	18°31	25°37	23° 3	21°32	27°39	28° 8	28°23	22°52		
F 25	6 14 9	2°59'04	10♌54	23°17	14°29	14°28	24°49	18°26	25°35	23° 4	21°32	27°29	28° 5	28°30	22°57		
S 26	6 18 6	4° 0'08	22°48	24°12	15° 4	15°11	24°57	18°21	25°33	23° 5	21°31	27°22	28° 1	28°37	23° 3		
S 27	6 22 2	5° 1'12	4♌36	25° 1	15°37	15°55	25° 4	18°17	25°31	23° 6	21°30	27°17	27°58	28°43	23° 9		
M28	6 25 59	6° 2'16	16°22	25°43	16° 8	16°39	25°12	18°12	25°29	23° 7	21°29	27°16	27°55	28°50	23°14		
T 29	6 29 55	7° 3'21	28°13	26°17	16°38	17°23	25°20	18° 8	25°28	23° 8	21°28	27°D15	27°52	28°57	23°20		
W30	6 33 52	8° 4'26	10♏12	26°43	17° 7	18° 7	25°27	18° 3	25°26	23° 9	21°27	27°R15	27°49	29° 3	23°26		
T 31	6 37 48	9♌ 5'31	22♏26	27♌ 0	17♌33	18♌50	25♌35	17♏59	25♌24	23♌ 9	21♏26	27♏15	27♏45	29♌10	23♌31		

Delta T = 19m46s

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