

SWISS EPHEMERIS for the year 2077

JANUARY 2077

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	6 45 11	11♌12'04	1♃43	18♋56	25♌4	12♌25	9♌49	3♌19	18♌47	25°R35	8♃59	16°R54	15♌45	6♃28	25°R18	
S 2	6 49 8	12°13'13	15°45	19°42	26°19	13°12	9°58	3°26	18°51	25°E33	8°59	16°D54	15°41	6°35	25°V18	
S 3	6 53 4	13°14'22	29°30	20°33	27°34	13°59	10°7	3°33	18°54	25°31	9°0	16°I55	15°38	6°42	25°17	
M 4	6 57 1	14°15'31	13♌0	21°28	28°50	14°46	10°16	3°40	18°58	25°30	9°0	16°56	15°35	6°49	25°17	
T 5	7 0 57	15°16'39	26°15	22°26	0♌5	15°34	10°24	3°47	19°1	25°28	9°0	16°58	15°32	6°55	25°D17	
W 6	7 4 54	16°17'47	9♌17	23°28	1°20	16°21	10°33	3°54	19°5	25°26	9°0	16°59	15°29	7°2	25°17	
T 7	7 8 51	17°18'55	22°6	24°33	2°36	17°8	10°41	4°1	19°8	25°25	9°1	16°R59	15°26	7°9	25°17	
F 8	7 12 47	18°20'03	4♌43	25°40	3°51	17°55	10°50	4°8	19°12	25°23	9°1	16°58	15°22	7°16	25°18	
S 9	7 16 44	19°21'10	17°10	26°50	5°6	18°43	10°58	4°15	19°16	25°21	9°2	16°55	15°19	7°22	25°18	
S 10	7 20 40	20°22'18	29°28	28°2	6°22	19°30	11°6	4°22	19°19	25°20	9°2	16°50	15°16	7°29	25°18	
M11	7 24 37	21°23'25	11♌36	29°16	7°37	20°17	11°14	4°29	19°23	25°18	9°2	16°44	15°13	7°36	25°18	
T 12	7 28 33	22°24'32	23°37	0♌31	8°52	21°5	11°22	4°36	19°26	25°16	9°3	16°37	15°10	7°42	25°19	
W13	7 32 30	23°25'38	5♌32	1°48	10°8	21°52	11°30	4°43	19°30	25°14	9°3	16°30	15°6	7°49	25°19	
T 14	7 36 26	24°26'44	17°24	3°7	11°23	22°39	11°37	4°49	19°33	25°13	9°4	16°24	15°3	7°56	25°20	
F 15	7 40 23	25°27'51	29°16	4°26	12°38	23°27	11°45	4°56	19°37	25°11	9°4	16°19	15°0	8°3	25°20	
S 16	7 44 20	26°28'57	11♌11	5°47	13°54	24°14	11°52	5°3	19°40	25°9	9°5	16°15	14°57	8°9	25°21	
S 17	7 48 16	27°30'03	23°14	7°9	15°9	25°1	11°59	5°10	19°44	25°8	9°6	16°D14	14°54	8°16	25°22	
M18	7 52 13	28°31'08	5♌31	8°32	16°24	25°49	12°6	5°16	19°48	25°6	9°6	16°14	14°51	8°23	25°22	
T 19	7 56 9	29°32'14	18°5	9°56	17°40	26°36	12°13	5°23	19°51	25°4	9°7	16°15	14°47	8°29	25°23	
W20	8 0 6	0♌33'19	1♌1	11°21	18°55	27°23	12°20	5°30	19°55	25°3	9°7	16°17	14°44	8°36	25°24	
T 21	8 4 2	1°34'24	14°24	12°47	20°10	28°11	12°26	5°36	19°58	25°1	9°8	16°R18	14°41	8°43	25°25	
F 22	8 7 59	2°35'28	28°14	14°13	21°26	28°58	12°33	5°43	20°2	24°59	9°9	16°17	14°38	8°50	25°26	
S 23	8 11 55	3°36'32	12♌32	15°40	22°41	29°45	12°39	5°50	20°5	24°58	9°9	16°14	14°35	8°56	25°27	
S 24	8 15 52	4°37'35	27°14	17°8	23°56	0♌32	12°45	5°56	20°9	24°56	9°10	16°9	14°32	9°3	25°28	
M25	8 19 49	5°38'38	12♌13	18°37	25°12	1°20	12°51	6°3	20°12	24°54	9°11	16°2	14°28	9°10	25°29	
T 26	8 23 45	6°39'40	27°20	20°6	26°27	2°7	12°57	6°9	20°16	24°53	9°12	15°54	14°25	9°17	25°30	
W27	8 27 42	7°40'41	12♌26	21°37	27°42	2°54	13°3	6°15	20°19	24°51	9°12	15°46	14°22	9°23	25°31	
T 28	8 31 38	8°41'40	27°19	23°7	28°58	3°42	13°8	6°22	20°23	24°49	9°13	15°39	14°19	9°30	25°33	
F 29	8 35 35	9°42'39	11♃54	24°39	0♌13	4°29	13°13	6°28	20°26	24°48	9°14	15°33	14°16	9°37	25°34	
S 30	8 39 31	10°43'36	26°5	26°11	1°28	5°16	13°19	6°34	20°29	24°46	9°15	15°30	14°12	9°43	25°35	
S 31	8 43 28	11♌44'32	9♌52	27♌44	2♌43	6♌4	13♌24	6♌31	20♌33	24♌44	9♃16	15°D29	14♌9	9♃50	25°V37	

Day	☉		☽		♀		♂		♂		♂		♂		♂		♂		♂					
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat				
F 1	22s57	3s58	5s4	20s36	2n22	22s57	0n23	18s11	1s10	13s40	1n8	22s33	0n50	22s32	0s25	20n29	0s33	11s54	16s50	22n47	22n40	13n51	10n1	0n15
S 2	22 52	1n57	4 36	20 48	2 14	23 2	0 20	17 58	1 10	13 43	1 9	22 33	0 50	22 31	0 25	20 29	0 33	11 54	16 49	22 47	22 40	13 48	10 1	0 15
S 3	22 46	7 41	3 52	21 0	2 6	23 7	0 18	17 44	1 9	13 45	1 9	22 33	0 50	22 31	0 25	20 29	0 33	11 53	16 49	22 47	22 39	13 46	10 1	0 15
M 4	22 40	12 57	2 56	21 12	1 57	23 10	0 15	17 30	1 9	13 48	1 9	22 33	0 50	22 30	0 25	20 30	0 33	11 53	16 49	22 47	22 39	13 44	10 1	0 15
T 5	22 33	17 30	1 51	21 24	1 49	23 13	0 13	17 16	1 9	13 51	1 9	22 32	0 50	22 30	0 25	20 30	0 33	11 52	16 48	22 48	22 39	13 41	10 0	0 15
W 6	22 26	21 8	0 42	21 37	1 40	23 15	0 10	17 1	1 8	13 53	1 9	22 32	0 50	22 29	0 25	20 30	0 33	11 52	16 48	22 48	22 38	13 39	10 0	0 15
T 7	22 19	23 40	0n28	21 48	1 31	23 16	0 8	16 46	1 8	13 56	1 9	22 32	0 50	22 29	0 25	20 31	0 33	11 51	16 48	22 48	22 38	13 36	10 0	0 15
F 8	22 11	24 56	1 35	22 0	1 22	23 17	0 5	16 32	1 8	13 58	1 9	22 32	0 50	22 28	0 25	20 31	0 33	11 51	16 47	22 47	22 38	13 34	10 0	0 14
S 9	22 2 24	56	2 37	22 11	1 13	23 17	0 3	16 17	1 7	14 0	1 10	22 32	0 50	22 28	0 25	20 31	0 33	11 50	16 47	22 47	22 37	13 32	10 0	0 14
S 10	21 53	23 42	3 31	22 21	1 4	23 16	0 0	16 2	1 7	14 3	1 10	22 32	0 50	22 27	0 25	20 32	0 33	11 50	16 46	22 47	22 37	13 29	10 0	0 14
M11	21 44	21 22	4 14	22 31	0 55	23 15	0s2	15 46	1 7	14 5	1 10	22 31	0 50	22 27	0 25	20 32	0 33	11 49	16 46	22 46	22 37	13 27	10 0	0 14
T 12	21 34	18 8	4 46	22 39	0 46	23 13	0 5	15 31	1 6	14 7	1 10	22 31	0 50	22 26	0 25	20 32	0 33	11 49	16 46	22 45	22 36	13 24	10 0	0 14
W13	21 24	14 11	5 4	22 47	0 38	23 10	0 7	15 15	1 6	14 10	1 10	22 31	0 50	22 26	0 25	20 32	0 33	11 48	16 45	22 45	22 36	13 22	10 1	0 14
T 14	21 13	9 44	5 10	22 55	0 29	23 6	0 10	14 59	1 5	14 12	1 10	22 31	0 50	22 25	0 25	20 33	0 33	11 48	16 45	22 44	22 36	13 19	10 1	0 14
F 15	21 2 4	55	5 2	23 1	0 21	23 2	0 12	14 43	1 5	14 14	1 11	22 31	0 50	22 25	0 25	20 33	0 33	11 47	16 45	22 44	22 35	13 17	10 1	0 14
S 16	20 51	0s8	6 4	23 6	0 12	22 57	0 15	14 27	1 5	14 16	1 11	22 30	0 50	22 24	0 25	20 33	0 33	11 47	16 44	22 43	22 35	13 15	10 1	0 14
S 17	20 39	5 11	4 8	23 10	0 4	22 51	0 17	14 11	1 4	14 18	1 11	22 30	0 50	22 24	0 25	20 34	0 33	11 46	16 44	22 43	22 34	13 12	10 1	0 14
M18	20 27	10 10	3 23	23 13	0s4	22 45	0 19	13 55	1 4	14 20	1 11	22 30	0 50	22 23	0 25	20 34	0 33	11 46	16 44	22 43	22 34	13 10	10 1	0 14
T 19	20 14	14 52	2 27	23 15	0 12	22 37	0 22	13 38	1 3	14 22	1 11	22 30	0 50	22 23	0 25	20 34	0 33	11 45	16 43	22 43	22 34	13 7	10 1	0 13
W20	20 1 19	1 1	1 22	23 16	0 19	22 30	0 24	13 22	1 3	14 24	1 11	22 29	0 49	22 22	0 25	20 35	0 33	11 45	16 43	22 43	22 33	13 5	10 2	0 13
T 21	19 48	22 21	0 10	23 15	0 27	22 21	0 26	13 5	1 3	14 26	1 12	22 29	0 49	22 22	0 25	20 35	0 33	11 44	16 43	22 43	22 33	13 2	10 2	0 13
F 22	19 34	24 29	1s4	23 14	0 34	22 12	0 29	12 48	1 2	14 27	1 12	22 29	0 49	22 21	0 25	20 35	0 33	11 44	16 42	22 43	22 33	13 0	10 2	0 13
S 23	19 20	25 6	2 17	23 11	0 41	22 2	0 31	12 31	1 2	14 29	1 12	22 29	0 49	22 21	0 25	20 36	0 33	11 43	16 42	22 43	22 32	12 57	10 2	0 13
S 24	19 6	24 0	3																					

SWISS EPHEMERIS for the year 2077

FEBRUARY 2077

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	8 47 24	12 ⁴⁵ 27	23 ¹⁶ 16	29 ¹⁷ 17	3 ⁵⁹ 59	6 ⁵¹ 51	13 ²⁹ 29	6 ⁴⁷ 47	20 ³⁶ 36	24 ⁴³ 43	9 ¹⁷ 17	15 ³⁰ 30	14 ⁶ 6	9 ⁵⁷ 57	25 ³⁸ 38
T 2	8 51 21	13 ⁴⁶ 21	6 ¹¹ 11	0 ⁵² 52	5 ¹⁴ 14	7 ³⁸ 38	13 ³³ 33	6 ⁵³ 53	20 ³⁹ 39	24 ⁴¹ 41	9 ¹⁸ 18	15 ³⁰ 30	14 ⁰ 0	10 ⁴ 4	25 ⁴⁰ 40
W 3	8 55 18	14 ⁴⁷ 13	19 ⁵ 5	2 ²⁷ 27	6 ²⁹ 29	8 ²⁵ 25	13 ³⁸ 38	6 ⁵⁹ 59	20 ⁴³ 43	24 ⁴⁰ 40	9 ¹⁹ 19	15 ³⁰ 30	14 ⁰ 0	10 ¹⁰ 10	25 ⁴¹ 41
T 4	8 59 14	15 ⁴⁸ 04	1 ³⁷ 37	4 ² 2	7 ⁴⁵ 45	9 ¹³ 13	13 ⁴² 42	7 ⁵ 5	20 ⁴⁶ 46	24 ³⁸ 38	9 ¹⁹ 19	15 ²⁹ 29	13 ⁵⁷ 57	10 ¹⁷ 17	25 ⁴³ 43
F 5	9 3 11	16 ⁴⁸ 54	13 ⁵⁷ 57	5 ³⁸ 38	9 ⁰ 0	10 ⁰ 0	13 ⁴⁶ 46	7 ¹¹ 11	20 ⁴⁹ 49	24 ³⁷ 37	9 ²⁰ 20	15 ²⁵ 25	13 ⁵³ 53	10 ²⁴ 24	25 ⁴⁵ 45
S 6	9 7 7	17 ⁴⁹ 42	26 ¹⁰ 10	7 ¹⁶ 16	10 ¹⁵ 15	10 ⁴⁷ 47	13 ⁵⁰ 50	7 ¹⁷ 17	20 ⁵³ 53	24 ³⁵ 35	9 ²¹ 21	15 ¹⁹ 19	13 ⁵⁰ 50	10 ³¹ 31	25 ⁴⁷ 47
S 7	9 11 4	18 ⁵⁰ 29	8 ¹⁵ 15	8 ⁵³ 53	11 ³⁰ 30	11 ³⁴ 34	13 ⁵⁴ 54	7 ²³ 23	20 ⁵⁶ 56	24 ³³ 33	9 ²² 22	15 ⁹ 9	13 ⁴⁷ 47	10 ³⁷ 37	25 ⁴⁸ 48
M 8	9 15 0	19 ⁵¹ 15	20 ¹⁵ 15	10 ³² 32	12 ⁴⁵ 45	12 ²¹ 21	13 ⁵⁸ 58	7 ²⁹ 29	20 ⁵⁹ 59	24 ³² 32	9 ²³ 23	14 ⁵⁸ 58	13 ⁴⁴ 44	10 ⁴⁴ 44	25 ⁵⁰ 50
T 9	9 18 57	20 ⁵¹ 59	2 ¹¹ 11	12 ¹¹ 11	14 ¹ 1	13 ⁸ 8	14 ¹ 1	7 ³⁵ 35	21 ² 2	24 ³⁰ 30	9 ²⁴ 24	14 ⁴⁵ 45	13 ⁴¹ 41	10 ⁵¹ 51	25 ⁵² 52
W10	9 22 53	21 ⁵² 43	14 ⁴ 4	13 ⁵² 52	15 ¹⁶ 16	13 ⁵⁵ 55	14 ⁵ 5	7 ⁴¹ 41	21 ⁶ 6	24 ²⁹ 29	9 ²⁵ 25	14 ³¹ 31	13 ³⁸ 38	10 ⁵⁷ 57	25 ⁵⁴ 54
T 11	9 26 50	22 ⁵³ 25	25 ⁵⁶ 56	15 ³² 32	16 ³¹ 31	14 ⁴³ 43	14 ⁸ 8	7 ⁴⁶ 46	21 ⁹ 9	24 ²⁸ 28	9 ²⁷ 27	14 ¹⁹ 19	13 ³⁴ 34	11 ⁴ 4	25 ⁵⁶ 56
F 12	9 30 47	23 ⁵⁴ 06	7 ⁴⁹ 49	17 ¹⁴ 14	17 ⁴⁶ 46	15 ³⁰ 30	14 ¹¹ 11	7 ⁵² 52	21 ¹² 12	24 ²⁶ 26	9 ²⁸ 28	14 ⁸ 8	13 ³¹ 31	11 ¹¹ 11	25 ⁵⁸ 58
S 13	9 34 43	24 ⁵⁴ 45	19 ⁴⁵ 45	18 ⁵⁷ 57	19 ¹ 1	16 ¹⁷ 17	14 ¹⁴ 14	7 ⁵⁷ 57	21 ¹⁵ 15	24 ²⁵ 25	9 ²⁹ 29	14 ⁰ 0	13 ²⁸ 28	11 ¹⁸ 18	26 ⁰ 0
S 14	9 38 40	25 ⁵⁵ 24	1 ⁴⁸ 48	20 ⁴⁰ 40	20 ¹⁷ 17	17 ⁴ 4	14 ¹⁶ 16	8 ³ 3	21 ¹⁸ 18	24 ²³ 23	9 ³⁰ 30	13 ⁵⁵ 55	13 ²⁵ 25	11 ²⁴ 24	26 ² 2
M15	9 42 36	26 ⁵⁶ 01	14 ¹ 1	22 ²⁵ 25	21 ³² 32	17 ⁵¹ 51	14 ¹⁹ 19	8 ⁸ 8	21 ²¹ 21	24 ²² 22	9 ³¹ 31	13 ⁵² 52	13 ²² 22	11 ³¹ 31	26 ⁴ 4
T 16	9 46 33	27 ⁵⁶ 37	26 ³⁰ 30	24 ¹⁰ 10	22 ⁴⁷ 47	18 ³⁸ 38	14 ²¹ 21	8 ¹⁴ 14	21 ²⁴ 24	24 ²⁰ 20	9 ³² 32	13 ^{D52} 52	13 ¹⁸ 18	11 ³⁸ 38	26 ⁷ 7
W17	9 50 29	28 ⁵⁷ 13	9 ²⁰ 20	25 ⁵⁶ 56	24 ² 2	19 ²⁵ 25	14 ²³ 23	8 ¹⁹ 19	21 ²⁷ 27	24 ¹⁹ 19	9 ³³ 33	13 ^{R52} 52	13 ¹⁵ 15	11 ⁴⁴ 44	26 ⁹ 9
T 18	9 54 26	29 ⁵⁷ 46	22 ³⁴ 34	27 ⁴³ 43	25 ¹⁷ 17	20 ¹² 12	14 ²⁵ 25	8 ²⁴ 24	21 ³⁰ 30	24 ¹⁸ 18	9 ³⁴ 34	13 ⁵² 52	13 ¹² 12	11 ⁵¹ 51	26 ¹¹ 11
F 19	9 58 22	0 ⁵⁸ 19	6 ³¹ 31	29 ³¹ 31	26 ³² 32	20 ⁵⁸ 58	14 ²⁷ 27	8 ³⁰ 30	21 ³³ 33	24 ¹⁷ 17	9 ³⁶ 36	13 ⁵⁰ 50	13 ⁹ 9	11 ⁵⁸ 58	26 ¹³ 13
S 20	10 2 19	1 ⁵⁸ 51	20 ²⁹ 29	1 ¹⁹ 19	27 ⁴⁸ 48	21 ⁴⁵ 45	14 ²⁸ 28	8 ³⁵ 35	21 ³⁶ 36	24 ¹⁵ 15	9 ³⁷ 37	13 ⁴⁶ 46	13 ⁶ 6	12 ⁵ 5	26 ¹⁶ 16
S 21	10 6 16	2 ⁵⁹ 21	5 ¹⁰ 10	3 ⁹ 9	29 ³ 3	22 ³² 32	14 ³⁰ 30	8 ⁴⁰ 40	21 ³⁹ 39	24 ¹⁴ 14	9 ³⁸ 38	13 ³⁹ 39	13 ³ 3	12 ¹¹ 11	26 ¹⁸ 18
M22	10 10 12	3 ⁵⁹ 50	20 ¹⁴ 14	4 ⁵⁹ 59	0 ¹⁸ 18	23 ¹⁹ 19	14 ³¹ 31	8 ⁴⁵ 45	21 ⁴² 42	24 ¹³ 13	9 ³⁹ 39	13 ²⁹ 29	12 ⁵⁹ 59	12 ¹⁸ 18	26 ²¹ 21
T 23	10 14 9	5 ⁰ 17	5 ³² 32	6 ⁵⁰ 50	1 ³³ 33	24 ⁶ 6	14 ³² 32	8 ⁵⁰ 50	21 ⁴⁵ 45	24 ¹² 12	9 ⁴⁰ 40	13 ¹⁸ 18	12 ⁵⁶ 56	12 ²⁵ 25	26 ²³ 23
W24	10 18 5	6 ⁰ 42	20 ⁵³ 53	8 ⁴² 42	2 ⁴⁸ 48	24 ⁵³ 53	14 ³² 32	8 ⁵⁵ 55	21 ⁴⁸ 48	24 ¹⁰ 10	9 ⁴² 42	13 ⁷ 7	12 ⁵³ 53	12 ³² 32	26 ²⁶ 26
T 25	10 22 2	7 ¹ 06	6 ⁵ 5	10 ³⁵ 35	4 ³ 3	25 ³⁹ 39	14 ³³ 33	9 ⁰ 0	21 ⁵¹ 51	24 ⁹ 9	9 ⁴³ 43	12 ⁵⁶ 56	12 ⁵⁰ 50	12 ³⁸ 38	26 ²⁸ 28
F 26	10 25 58	8 ¹ 28	20 ⁵⁸ 58	12 ²⁸ 28	5 ¹⁸ 18	26 ²⁶ 26	14 ³³ 33	9 ⁴ 4	21 ⁵³ 53	24 ⁸ 8	9 ⁴⁴ 44	12 ⁴⁸ 48	12 ⁴⁷ 47	12 ⁴⁵ 45	26 ³¹ 31
S 27	10 29 55	9 ¹ 47	5 ²⁵ 25	14 ²² 22	6 ³³ 33	27 ¹³ 13	14 ³⁴ 34	9 ⁹ 9	21 ⁵⁶ 56	24 ⁷ 7	9 ⁴⁵ 45	12 ⁴² 42	12 ⁴³ 43	12 ⁵² 52	26 ³⁴ 34
S 28	10 33 51	10 ¹ 05	19 ²³ 23	16 ¹⁶ 16	7 ⁴⁸ 48	28 ¹ 1	14 ^{R34} 34	9 ¹⁴ 14	21 ⁵⁹ 59	24 ⁶ 6	9 ⁴⁷ 47	12 ³⁹ 39	12 ⁴⁰ 40	12 ⁵⁸ 58	26 ³⁶ 36

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	16s58	16n42	1s56	21s48	1s33	20s4	0s50	9s53	0s58	14s43	1n13	22s26	0n49	22s16	0s26	20n38	0s33	11s38	16s39	22n38	22n29	12n35	10n6	0n12
T 2	16 41 20 33	0 49 21 33	1 38 19 48	0 52 9 35	0 57 14 44	1 14 22 26	0 49 22 16	0 26 20 39	0 33 11 37	16 39 22 39	22 29	12 33 10 6	0 12											
W 3	16 24 23 18	0n19	21 16	1 42 19 31	0 54 9 17	0 57 14 45	1 14 22 26	0 49 22 15	0 26 20 39	0 33 11 36	16 39 22 39	22 28	12 30 7 0	12										
T 4	16 6 24 50	1 25 20 57	1 46 19 13	0 56 8 59	0 56 14 46	1 14 22 25	0 49 22 15	0 26 20 39	0 33 11 36	16 38 22 38	22 28	12 27 10 7	0 12											
F 5	15 47 25 7	2 26 20 37	1 49 18 56	0 58 8 41	0 56 14 47	1 14 22 25	0 49 22 14	0 26 20 40	0 32 11 35	16 38 22 38	22 28	12 25 10 8	0 12											
S 6	15 29 24 10	3 19 20 16	1 53 18 37	0 59 8 22	0 55 14 48	1 14 22 25	0 49 22 14	0 26 20 40	0 32 11 34	16 38 22 37	22 27	12 22 10 9	0 12											
S 7	15 10 22 5	4 2 19 53	1 55 18 18	1 1 8 4	0 55 14 49	1 15 22 25	0 49 22 13	0 26 20 40	0 32 11 34	16 37 22 36	22 27	12 20 10 9	0 12											
M 8	14 51 19 4	4 34 19 29	1 58 17 59	1 3 7 45	0 54 14 50	1 15 22 24	0 49 22 13	0 26 20 40	0 32 11 33	16 37 22 35	22 26	12 17 10 10	0 12											
T 9	14 32 15 16	4 54 19 4	2 0 17 39	1 4 7 27	0 54 14 51	1 15 22 24	0 49 22 12	0 26 20 41	0 32 11 33	16 37 22 33	22 26	12 15 10 10	0 12											
W10	14 13 10 54	5 1 18 37	2 2 17 18	1 6 7 8	0 53 14 52	1 15 22 24	0 49 22 12	0 26 20 41	0 32 11 32	16 37 22 32	22 26	12 12 10 11	0 12											
T 11	13 53 6 8	4 55 18 8	2 4 16 57	1 7 6 50	0 52 14 52	1 15 22 23	0 49 22 11	0 26 20 41	0 32 11 31	16 36 22 31	22 25	12 10 10 12	0 12											
F 12	13 33 1 8	4 37 17 39	2 5 16 35	1 9 6 31	0 52 14 53	1 16 22 23	0 49 22 11	0 26 20 42	0 32 11 31	16 36 22 29	22 25	12 7 10 12	0 11											
S 13	13 13 3s56	4 6 17 8	2 6 16 14	1 10 6 12	0 51 14 54	1 16 22 23	0 49 22 11	0 26 20 42	0 32 11 30	16 36 22 28	22 24	12 5 10 13	0 11											
S 14	12 52 8 55	3 23 16 35	2 6 15 51	1 12 5 53	0 51 14 54	1 16 22 22	0 49 22 10	0 26 20 42	0 32 11 29	16 36 22 28	22 24	12 2 10 14	0 11											
M15	12 32 13 38	2 31 16 1	2 6 15 28	1 13 5 34	0 50 14 55	1 16 22 22	0 49 22 10	0 26 20 42	0 32 11 29	16 35 22 27	22 24	12 0 10 14	0 11											
T 16	12 11 17 54	1 31 15 26	2 5 15 5	1 14 5 16	0 50 14 55	1 16 22 22	0 49 22 9	0 26 20 43	0 32 11 28	16 35 22 27	22 23	11 57 10 15	0 11											
W17	11 50 21 27	0 24 14 49	2 4 14 41	1 15 4 57	0 49 14 56	1 16 22 21	0 49 22 8	0 26 20 43	0 32 11 27	16 35 22 27	22 23	11 54 10 16	0 11											
T 18	11 29 23 59	0s46	14 11	2 3 14 17	1 16 4 38	0 49 14 56	1 17 22 21	0 49 22 8	0 26 20 43	0 32 11 27	16 35 22 27	22 22	11 52 10 17	0 11										
F 19	11 7 25 12	1 56 13 32	2 1 13 53	1 17 4 19	0 48 14 57	1 17 22 21	0 49 22 8	0 26 20 43	0 32 11 26	16 35 22 27	22 22	11 49 10 17	0 11											
S 20	10 46 24 51	3 1 12 51	1 58 13 28	1 18 4 0	0 48 14 57	1 17 22 20	0 49 22 7	0 26 20 44	0 32 11 25	16 34 22 27	22 22	11 47 10 18	0 11											
S 21	10 24 22 47	3 56 12 9	1 56 13 2	1 19 3 41	0 47 14 57	1 17 22 20	0 49 22 7	0 26 20 44	0 32 11 25	16 34 22 26	22 21	11 44 10 19	0 11											
M22	10 2 19 6	4 36 11 25	1 52 12 37	1 20 3 22	0 46 14 57	1 17 22 20	0 49 22 6	0 26 20 44	0 32 11 24	16 34 22 25	22 21	11 42 10 20	0 11											
T 23	9 40 14 5	4 57 10 40	1 48 12 11	1 21 3 3	0 46 14 57	1 18 22 19	0 49 22 6	0 26 20 44	0 32 11 23	16 34 22 23	22 20	11 39 10 21	0 11											
W24	9 18 8 10	4 57 9 54	1 44 11 45	1 22 2 44	0 45 14 57</																			

SWISS EPHEMERIS for the year 2077

MARCH 2077

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
M 1	10 37 48	11♋ 2'21	2♏52	18♋11	9♋ 3	28♋46	14°R33	9♁18	22♁ 1	24°R 5	9♃48	12°R38	12♏37	13♏ 5	26♃39	
T 2	10 41 45	12° 2'35	15°56	20° 5	10°18	29°33	14♏33	9°23	22° 4	24°R 4	9°49	12♏38	12°34	13°12	26°42	
W 3	10 45 41	13° 2'47	28°38	22° 0	11°33	0♃19	14°32	9°27	22° 6	24° 3	9°51	12°38	12°31	13°19	26°45	
T 4	10 49 38	14° 2'57	11♁ 3	23°54	12°48	1° 6	14°32	9°31	22° 9	24° 2	9°52	12°36	12°28	13°25	26°47	
F 5	10 53 34	15° 3'05	23°15	25°47	14° 3	1°52	14°31	9°35	22°12	24° 1	9°53	12°31	12°24	13°32	26°50	
S 6	10 57 31	16° 3'11	5♏18	27°40	15°18	2°39	14°30	9°40	22°14	24° 0	9°55	12°24	12°21	13°39	26°53	
S 7	11 1 27	17° 3'14	17°15	29°31	16°33	3°25	14°28	9°44	22°16	23°59	9°56	12°13	12°18	13°46	26°56	
M 8	11 5 24	18° 3'16	29° 9	1♃21	17°48	4°12	14°27	9°48	22°19	23°58	9°57	12° 0	12°15	13°52	26°59	
T 9	11 9 20	19° 3'16	11♏ 2	3° 8	19° 3	4°58	14°25	9°52	22°21	23°57	9°59	11°46	12°12	13°59	27° 2	
W10	11 13 17	20° 3'13	22°55	4°53	20°18	5°44	14°23	9°55	22°23	23°57	10° 0	11°31	12° 9	14° 6	27° 5	
T 11	11 17 14	21° 3'09	4♁49	6°35	21°33	6°31	14°21	9°59	22°26	23°56	10° 2	11°18	12° 5	14°12	27° 8	
F 12	11 21 10	22° 3'03	16°46	8°14	22°47	7°17	14°19	10° 3	22°28	23°55	10° 3	11° 6	12° 2	14°19	27°11	
S 13	11 25 7	23° 2'56	28°47	9°48	24° 2	8° 3	14°17	10° 6	22°30	23°54	10° 4	10°56	11°59	14°26	27°14	
S 14	11 29 3	24° 2'46	10♏55	11°18	25°17	8°49	14°14	10°10	22°32	23°54	10° 6	10°50	11°56	14°33	27°18	
M15	11 33 0	25° 2'35	23°12	12°43	26°32	9°35	14°11	10°13	22°34	23°53	10° 7	10°46	11°53	14°39	27°21	
T 16	11 36 56	26° 2'22	5♁43	14° 2	27°47	10°21	14° 8	10°17	22°36	23°52	10° 9	10°D45	11°49	14°46	27°24	
W17	11 40 53	27° 2'07	18°30	15°15	29° 1	11° 8	14° 5	10°20	22°38	23°52	10°10	10°45	11°46	14°53	27°27	
T 18	11 44 49	28° 1'51	1♁39	16°22	0♃16	11°54	14° 2	10°23	22°40	23°51	10°12	10°R45	11°43	14°59	27°30	
F 19	11 48 46	29° 1'33	15°13	17°22	1°31	12°40	13°58	10°26	22°42	23°51	10°13	10°44	11°40	15° 6	27°34	
S 20	11 52 42	0♃1'13	29°14	18°14	2°46	13°25	13°55	10°29	22°44	23°50	10°14	10°41	11°37	15°13	27°37	
S 21	11 56 39	1° 0'52	13♁42	19° 0	4° 0	14°11	13°51	10°32	22°46	23°50	10°16	10°36	11°34	15°20	27°40	
M22	12 0 36	2° 0'29	28°34	19°37	5°15	14°57	13°47	10°35	22°48	23°49	10°17	10°28	11°30	15°26	27°44	
T 23	12 4 32	3° 0'04	13♋43	20° 7	6°30	15°43	13°43	10°37	22°50	23°49	10°19	10°18	11°27	15°33	27°47	
W24	12 8 29	3°59'37	29° 0	20°29	7°44	16°29	13°39	10°40	22°51	23°49	10°20	10° 8	11°24	15°40	27°50	
T 25	12 12 25	4°59'08	14♃13	20°42	8°59	17°15	13°34	10°43	22°53	23°48	10°22	9°59	11°21	15°47	27°54	
F 26	12 16 22	5°58'37	29°12	20°R48	10°14	18° 0	13°29	10°45	22°55	23°48	10°23	9°51	11°18	15°53	27°57	
S 27	12 20 18	6°58'04	13♁48	20°47	11°28	18°46	13°25	10°47	22°56	23°48	10°25	9°46	11°15	16° 0	28° 1	
S 28	12 24 15	7°57'28	27°56	20°37	12°43	19°31	13°20	10°50	22°58	23°47	10°26	9°43	11°11	16° 7	28° 4	
M29	12 28 11	8°56'51	11♏35	20°21	13°57	20°17	13°15	10°52	22°59	23°47	10°28	9°D43	11° 8	16°13	28° 7	
T 30	12 32 8	9°56'11	24°46	19°58	15°12	21° 2	13° 9	10°54	23° 1	23°47	10°29	9°43	11° 5	16°20	28°11	
W31	12 36 5	10♃55'29	7♁33	19♃29	16♃26	21♃48	13♏ 4	10♁56	23♁ 2	23♁47	10♃31	9°R44	11♏ 2	16♏27	28♃14	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
M 1	7s25	19n53	0s51	5s47	1s12	9s29	1s25	1s 8	0s42	14s57	1n19	22s18	0n49	22s 4	0s26	20n46
T 2	7 2 22 59	0n17	4 54	1 4	9 1	1 25	0 49	0 42	14 56	1 19	22 17	0 49	22 3	0 26	20 46	0 32
W 3	6 39 24 49	1 23	4 1	0 55	8 33	1 25	0 30	0 41	14 56	1 19	22 17	0 49	22 3	0 26	20 46	0 32
T 4	6 16 25 22	2 24	3 7	0 46	8 4	1 26	0 11	0 40	14 56	1 19	22 17	0 49	22 2	0 26	20 46	0 32
F 5	5 53 24 39	3 17	2 13	0 36	7 36	1 26	0n 8	0 40	14 55	1 19	22 16	0 49	22 2	0 26	20 46	0 32
S 6	5 30 22 49	4 0	1 19	0 25	7 7	1 26	0 27	0 39	14 55	1 20	22 16	0 49	22 2	0 26	20 47	0 32
S 7	5 7 19 58	4 32	0 25	0 14	6 38	1 26	0 46	0 39	14 54	1 20	22 16	0 49	22 1	0 26	20 47	0 32
M 8	4 43 16 19	4 52	0n29	0 3	6 9	1 26	1 5	0 38	14 54	1 20	22 15	0 49	22 1	0 26	20 47	0 32
T 9	4 20 12 2	4 59	1 23	0n 9	5 39	1 26	1 24	0 37	14 53	1 20	22 15	0 49	22 1	0 26	20 47	0 32
W10	3 56 7 18	4 53	2 16	0 21	5 10	1 26	1 43	0 37	14 52	1 20	22 15	0 49	22 0	0 26	20 47	0 32
T 11	3 33 2 18	4 35	3 8	0 34	4 40	1 26	2 2	0 36	14 51	1 21	22 15	0 49	22 0	0 26	20 47	0 32
F 12	3 9 2s49	4 4	3 59	0 47	4 10	1 26	2 21	0 36	14 51	1 21	22 14	0 49	22 0	0 26	20 48	0 32
S 13	2 45 7 53	3 22	4 48	1 0	3 40	1 25	2 39	0 35	14 50	1 21	22 14	0 49	21 59	0 26	20 48	0 32
S 14	2 22 12 42	2 31	5 36	1 13	3 10	1 25	2 58	0 34	14 49	1 21	22 14	0 49	21 59	0 26	20 48	0 32
M15	1 58 17 5	1 32	6 21	1 27	2 40	1 24	3 17	0 34	14 48	1 21	22 13	0 49	21 59	0 26	20 48	0 32
T 16	1 34 20 49	0 27	7 4	1 40	2 10	1 24	3 36	0 33	14 47	1 21	22 13	0 49	21 58	0 26	20 48	0 32
W17	1 11 23 37	0s41	7 44	1 52	1 40	1 23	3 54	0 32	14 46	1 21	22 13	0 49	21 58	0 26	20 48	0 32
T 18	0 47 25 14	1 48	8 21	2 5	1 9	1 23	4 13	0 32	14 45	1 22	22 13	0 49	21 58	0 26	20 48	0 32
F 19	0 23 25 25	2 52	8 55	2 17	0 39	1 22	4 31	0 31	14 44	1 22	22 13	0 49	21 57	0 27	20 49	0 32
S 20	0n 0 24 0	3 47	9 26	2 28	0 9	1 21	4 50	0 31	14 42	1 22	22 12	0 49	21 57	0 27	20 49	0 31
S 21	0 24 21 1	4 30	9 53	2 39	0n22	1 20	5 8	0 30	14 41	1 22	22 12	0 49	21 57	0 27	20 49	0 31
M22	0 48 16 35	4 56	10 16	2 49	0 52	1 20	5 26	0 29	14 40	1 22	22 12	0 49	21 56	0 27	20 49	0 31
T 23	1 12 11 2	5 2	10 36	2 57	1 22	1 19	5 45	0 29	14 38	1 22	22 12	0 49	21 56	0 27	20 49	0 31
W24	1 35 4 46	4 46	10 51	3 5	1 53	1 18	6 3	0 28	14 37	1 23	22 11	0 49	21 56	0 27	20 49	0 31
T 25	1 59 1n45	4 11	11 3	3 12	2 23	1 17	6 21	0 27	14 35	1 23	22 11	0 49	21 56	0 27	20 49	0 31
F 26	2 22 8 6	3 18	11 10	3 17	2 53	1 16	6 39	0 27	14 34	1 23	22 11	0 49	21 55	0 27	20 49	0 31
S 27	2 46 13 51	2 13	11 12	3 21	3 24	1 14	6 57	0 26	14 32	1 23	22 11	0 49	21 55	0 27	20 49	0 31
S 28	3 9 18 41	1 2	11 11	3 23	3 54	1 13	7 15	0 25	14 31	1 23	22 11	0 49	21 55	0 27	20 49	0 31
M29	3 33 22 20	0n10	11 5	3 23	4 24	1 12	7 32	0 25	14 29	1 23	22 10	0 49	21 55	0 27	20 49	0 31
T 30	3 56 24 39	1 20	10 56	3 22	4 54	1 11	7 50	0 24	14 28	1 23	22 10	0 49	21 55	0 27	20 50	0 31
W31	4n19	25n36	2n23	10n42	3n20	5n24	1s 9	8n 8	0s23	14s26	1n23	22s10	0n49	21s54	0s27	20n50

Julian Day Number = 2479728.5, Delta T = 171.10 sec
 Ecliptic obliquity = 23°25'49", Nutation = - 0°00'16"
 Ayanamsha: Fagan/Bradley = 25°49'06", Lahiri = 24°56'06"

SWISS EPHEMERIS for the year 2077

APRIL 2077

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	12 40 1	11°54'44	19°59'59	18°R55	17°Y41	22°Y33	12°R58	10°Z58	23°Z 3	23°R47	10°Y32	9°R44	10°II59	16°M34	28°Y18		
F 2	12 43 58	12°53'57	2°Ω10	18°Y16	18°55	23°19	12°M53	10°59	23° 5	23°D47	10°33	9°II41	10°55	16°40	28°22		
S 3	12 47 54	13°53'08	14°11	17°33	20°10	24° 4	12°47	11° 1	23° 6	23°D47	10°35	9°37	10°52	16°47	28°25		
S 4	12 51 51	14°52'17	26° 5	16°48	21°24	24°49	12°41	11° 3	23° 7	23°47	10°36	9°30	10°49	16°54	28°29		
M 5	12 55 47	15°51'23	7°M57	16° 0	22°39	25°34	12°35	11° 4	23° 8	23°47	10°38	9°22	10°46	17° 0	28°32		
T 6	12 59 44	16°50'27	19°49	15°12	23°53	26°20	12°29	11° 5	23° 9	23°47	10°39	9°12	10°43	17° 7	28°36		
W 7	13 3 40	17°49'29	1°A43	14°24	25° 7	27° 5	12°23	11° 7	23°10	23°47	10°41	9° 2	10°40	17°14	28°39		
T 8	13 7 37	18°48'29	13°42	13°36	26°22	27°50	12°16	11° 8	23°11	23°47	10°42	8°52	10°36	17°21	28°43		
F 9	13 11 34	19°47'27	25°46	12°51	27°36	28°35	12°10	11° 9	23°12	23°47	10°44	8°44	10°33	17°27	28°46		
S 10	13 15 30	20°46'22	7°M58	12° 8	28°50	29°20	12° 3	11°10	23°13	23°47	10°45	8°38	10°30	17°34	28°50		
S 11	13 19 27	21°45'16	20°17	11°28	08 4	08 5	11°56	11°11	23°14	23°48	10°47	8°34	10°27	17°41	28°54		
M12	13 23 23	22°44'08	2°A47	10°53	1°19	0°50	11°50	11°12	23°15	23°48	10°48	8°D32	10°24	17°48	28°57		
T 13	13 27 20	23°42'59	15°28	10°21	2°33	1°34	11°43	11°12	23°15	23°48	10°49	8°32	10°20	17°54	29° 1		
W14	13 31 16	24°41'47	28°24	9°54	3°47	2°19	11°36	11°13	23°16	23°49	10°51	8°33	10°17	18° 1	29° 5		
T 15	13 35 13	25°40'34	11°Z37	9°33	5° 1	3° 4	11°29	11°13	23°17	23°49	10°52	8°35	10°14	18° 8	29° 8		
F 16	13 39 9	26°39'19	25° 9	9°16	6°15	3°49	11°22	11°14	23°17	23°49	10°54	8°R35	10°11	18°14	29°12		
S 17	13 43 6	27°38'03	9°A 2	9° 4	7°30	4°33	11°14	11°14	23°18	23°50	10°55	8°35	10° 8	18°21	29°15		
S 18	13 47 3	28°36'45	23°17	8°58	8°44	5°18	11° 7	11°14	23°18	23°50	10°57	8°33	10° 5	18°28	29°19		
M19	13 50 59	29°35'25	7°A50	8°D57	9°58	6° 2	11° 0	11°14	23°19	23°51	10°58	8°29	10° 1	18°35	29°23		
T 20	13 54 56	08°34'03	22°39	9° 1	11°12	6°47	10°52	11°R14	23°19	23°51	10°59	8°24	9°58	18°41	29°26		
W21	13 58 52	1°32'40	7°Y35	9°10	12°26	7°31	10°45	11°14	23°19	23°52	11° 1	8°18	9°55	18°48	29°30		
T 22	14 2 49	2°31'14	22°32	9°24	13°40	8°16	10°37	11°14	23°20	23°52	11° 2	8°13	9°52	18°55	29°34		
F 23	14 6 45	3°29'47	7°B19	9°42	14°54	9° 0	10°30	11°14	23°20	23°53	11° 4	8° 9	9°49	19° 1	29°37		
S 24	14 10 42	4°28'19	21°49	10° 6	16° 8	9°44	10°22	11°13	23°20	23°54	11° 5	8° 6	9°46	19° 8	29°41		
S 25	14 14 38	5°26'48	5°II57	10°33	17°22	10°29	10°15	11°13	23°20	23°54	11° 6	8°D 5	9°42	19°15	29°45		
M26	14 18 35	6°25'15	19°39	11° 5	18°36	11°13	10° 7	11°12	23°20	23°55	11° 8	8° 6	9°39	19°22	29°48		
T 27	14 22 32	7°23'40	2°E55	11°41	19°50	11°57	10° 0	11°12	23°R20	23°56	11° 9	8° 7	9°36	19°28	29°52		
W28	14 26 28	8°22'04	15°48	12°20	21° 4	12°41	9°52	11°11	23°20	23°57	11°10	8° 9	9°33	19°35	29°55		
T 29	14 30 25	9°20'25	28°19	13° 4	22°18	13°25	9°44	11°10	23°20	23°58	11°12	8°10	9°30	19°42	29°59		
F 30	14 34 21	10°18'44	10°Ω34	13°Y51	23°B32	14°B 9	9°M37	11°Z 9	23°Z20	23°58	11°Y13	8°R10	9°II26	19°M49	08 3		

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂							
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat							
T 1	4n42	25n12	3n18	10n25	3n15	5n54	1s 8	8n25	0s23	14s24	1n23	22s10	0n49	21s54	0s27	20n50	0s31	11s 0	16s30	21n54	22n 5	10n 1	10n59	0n 8
F 2	5 6	23 36	4 3	10 4	3 9	6 23	1 6	8 43	0 22	14 22	1 24	22 10	0 49	21 54	0 27	20 50	0 31	11 0	16 30	21 54	22 4	9 58	11 0	0 8
S 3	5 29	20 58	4 36	9 41	3 1	6 53	1 5	9 0	0 21	14 20	1 24	22 10	0 49	21 54	0 27	20 50	0 31	10 59	16 30	21 53	22 4	9 56	11 2	0 8
S 4	5 51	17 28	4 57	9 14	2 52	7 22	1 3	9 17	0 21	14 19	1 24	22 9	0 49	21 54	0 27	20 50	0 31	10 59	16 30	21 52	22 4	9 53	11 3	0 8
M 5	6 14	13 18	5 5	8 46	2 41	7 51	1 1	9 34	0 20	14 17	1 24	22 9	0 49	21 54	0 27	20 50	0 31	10 58	16 30	21 51	22 3	9 50	11 4	0 8
T 6	6 37	8 38	5 0	8 16	2 29	8 20	1 0	9 51	0 20	14 15	1 24	22 9	0 49	21 53	0 27	20 50	0 31	10 58	16 30	21 49	22 3	9 47	11 5	0 7
W 7	6 59	3 38	4 42	7 45	2 15	8 49	0 58	10 8	0 19	14 13	1 24	22 9	0 49	21 53	0 27	20 50	0 31	10 57	16 30	21 48	22 2	9 45	11 6	0 7
T 8	7 22	1s32	4 11	7 13	2 1	9 18	0 56	10 25	0 18	14 11	1 24	22 9	0 49	21 53	0 27	20 50	0 31	10 57	16 30	21 46	22 2	9 42	11 8	0 7
F 9	7 44	6 42	3 29	6 42	1 45	9 46	0 54	10 42	0 18	14 9	1 24	22 9	0 49	21 53	0 27	20 50	0 31	10 56	16 30	21 45	22 1	9 39	11 9	0 7
S 10	8 6	11 41	2 37	6 10	1 30	10 14	0 53	10 58	0 17	14 7	1 24	22 9	0 49	21 53	0 27	20 50	0 31	10 56	16 30	21 44	22 1	9 37	11 10	0 7
S 11	8 28	16 15	1 37	5 40	1 13	10 42	0 51	11 14	0 16	14 5	1 24	22 9	0 49	21 53	0 27	20 50	0 31	10 55	16 30	21 43	22 0	9 34	11 11	0 7
M12	8 50	20 12	0 31	5 11	0 57	11 10	0 49	11 31	0 16	14 2	1 24	22 9	0 49	21 53	0 27	20 50	0 31	10 55	16 31	21 43	22 0	9 31	11 13	0 7
T 13	9 12	23 16	0s37	4 43	0 40	11 37	0 47	11 47	0 15	14 0	1 24	22 9	0 49	21 53	0 27	20 50	0 31	10 54	16 31	21 43	21 59	9 28	11 14	0 7
W14	9 34	25 11	1 45	4 17	0 24	12 4	0 45	12 3	0 14	13 58	1 24	22 9	0 49	21 52	0 27	20 50	0 31	10 54	16 31	21 43	21 59	9 26	11 15	0 7
T 15	9 55	25 44	2 49	3 54	0 8	12 31	0 43	12 19	0 14	13 56	1 24	22 9	0 49	21 52	0 27	20 50	0 31	10 53	16 31	21 44	21 59	9 23	11 16	0 7
F 16	10 17	24 47	3 46	3 33	0s 8	12 58	0 41	12 35	0 13	13 54	1 24	22 8	0 49	21 52	0 27	20 50	0 31	10 53	16 31	21 44	21 58	9 20	11 17	0 7
S 17	10 38	22 20	4 30	3 14	0 23	13 24	0 38	12 50	0 12	13 51	1 24	22 8	0 49	21 52	0 27	20 50	0 31	10 52	16 31	21 44	21 58	9 17	11 19	0 7
S 18	10 59	18 27	4 59	2 58	0 38	13 50	0 36	13 6	0 12	13 49	1 24	22 8	0 49	21 52	0 27	20 49	0 31	10 52	16 31	21 43	21 57	9 15	11 20	0 7
M19	11 19	13 25	5 10	2 44	0 52	14 16	0 34	13 21	0 11	13 47	1 24	22 8	0 49	21 52	0 27	20 49	0 31	10 52	16 31	21 43	21 57	9 12	11 21	0 7
T 20	11 40	7 31	5 1	2 34	1 6	14 41	0 32	13 37	0 10	13 45	1 24	22 8	0 49	21 52	0 27	20 49	0 31	10 51	16 31	21 42	21 56	9 9	11 22	0 6
W21	12 0	1 8	4 31	2 25	1 19	15 6	0 29	13 52	0 10	13 42	1 24	22 8	0 49	21 52	0 28	20 49	0 31	10 51	16 31	21 41	21 56	9 6	11 24	0 6
T 22	12 21	5n19	3 43	2 20	1 31	15 30	0 27	14 7	0 9	13 40	1 24	22 8	0 49	21 52	0 28	20 49	0 31	10 50	16 32	21 40	21 55	9 4	11 25	0 6
F 23	12 41	11 26	2 40	2 16	1 42	15 54	0 25	14 22	0 8	13 38	1 24	22 8	0 49	21 52	0 28	20 49	0 31	10 50	16 32	21 39	21 55	9 1	11 26	0 6
S 24	13 0	16 48	1 28	2 16	1 53	16 18	0 23	14 36	0 8	13 35	1 24	22 8	0 49	21 52	0 28	20 49	0 31	10 49	16 32	21 39	21 54	8 58	11 27	0 6
S 25	13 20	21 6	0 12	2 17	2 3	16 41	0 20	14 51	0 7	13 33	1 24	22 9	0 49	21 52	0 28	20 49	0 30	10 49	16 32	21 39	21 54	8 55	11 28	0 6
M26	13 39	24 4	1n 3	2 21	2 12	17 4	0 18	15 5	0 6	13 31	1 24	22 9	0 49	21 52	0 28	20 49	0 30	10 49	16 32	21 39	21 53	8 52	11 30	0 6
T 27	13 58	25 35	2 12	2 28	2 20	17 27	0 15	15 19	0 6	13 28	1 24	22 9	0 49	21 52	0 28	20 49	0 30	10 48	16 32	21 39	21 53	8 50	11 31	0 6
W28	14 17	25 40	3 12	2 36	2 28	17 49	0 13	15 33	0 5	13 26	1 2													

SWISS EPHEMERIS for the year 2077

MAY 2077

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	14 38 18	11♈1701	22♌36	14♀41	24♋45	14♉53	9♍29	11♎8	23♎20	23♎59	11♎14	8♍10	9♌23	19♍55	0♉6		
S 2	14 42 14	12°15'15	4♍31	15°35	25°59	15°37	9♍21	11♎7	23♎20	24°0	11°16	8♍8	9°20	20°2	0°10		
M 3	14 46 11	13°13'28	16°24	16°31	27°13	16°21	9°14	11°6	23°19	24°1	11°17	8°5	9°17	20°9	0°13		
T 4	14 50 7	14°11'39	28°17	17°31	28°27	17°4	9°6	11°4	23°19	24°2	11°18	8°2	9°14	20°15	0°17		
W 5	14 54 4	15°9'48	10♌14	18°34	29°40	17°48	8°58	11°3	23°19	24°3	11°19	7°58	9°11	20°22	0°21		
T 6	14 58 1	16°7'55	22°18	19°39	0♌54	18°32	8°51	11°1	23°18	24°4	11°21	7°54	9°7	20°29	0°24		
F 7	15 1 57	17°6'00	4♌31	20°47	2°8	19°15	8°43	11°0	23°18	24°5	11°22	7°51	9°4	20°36	0°28		
S 8	15 5 54	18°4'04	16°56	21°58	3°21	19°59	8°36	10°58	23°17	24°6	11°23	7°49	9°1	20°42	0°31		
S 9	15 9 50	19°2'06	29°31	23°11	4°35	20°42	8°28	10°56	23°17	24°8	11°24	7°48	8°58	20°49	0°35		
M10	15 13 47	20°0'06	12♌20	24°27	5°49	21°26	8°21	10°54	23°16	24°9	11°25	7°D48	8°55	20°56	0°38		
T 11	15 17 43	20°58'05	25°21	25°45	7°2	22°9	8°14	10°52	23°15	24°10	11°27	7°48	8°52	21°2	0°42		
W12	15 21 40	21°56'03	8♌35	27°6	8°16	22°53	8°6	10°50	23°15	24°11	11°28	7°49	8°48	21°9	0°45		
T 13	15 25 36	22°53'59	22°3	28°28	9°29	23°36	7°59	10°48	23°14	24°12	11°29	7°51	8°45	21°16	0°48		
F 14	15 29 33	23°51'54	5♌45	29°54	10°43	24°19	7°52	10°46	23°13	24°14	11°30	7°52	8°42	21°23	0°52		
S 15	15 33 30	24°49'47	19°41	1♉21	11°56	25°2	7°45	10°43	23°12	24°15	11°31	7°R52	8°39	21°29	0°55		
S 16	15 37 26	25°47'40	3♌49	2°50	13°10	25°46	7°38	10°41	23°11	24°16	11°32	7°52	8°36	21°36	0°59		
M17	15 41 23	26°45'31	18°8	4°22	14°23	26°29	7°31	10°39	23°10	24°18	11°33	7°51	8°32	21°43	1°2		
T 18	15 45 19	27°43'21	2♀35	5°56	15°37	27°12	7°24	10°36	23°9	24°19	11°35	7°51	8°29	21°50	1°5		
W19	15 49 16	28°41'10	17°6	7°32	16°50	27°55	7°17	10°33	23°8	24°20	11°36	7°49	8°26	21°56	1°9		
T 20	15 53 12	29°38'58	1♉36	9°11	18°3	28°38	7°11	10°31	23°7	24°22	11°37	7°48	8°23	22°3	1°12		
F 21	15 57 9	0♌36/44	15°58	10°51	19°17	29°21	7°4	10°28	23°6	24°23	11°38	7°48	8°20	22°10	1°15		
S 22	16 1 5	1°34'29	0♌9	12°34	20°30	0♌3	6°58	10°25	23°5	24°25	11°39	7°47	8°17	22°16	1°19		
S 23	16 5 2	2°32'13	14°3	14°19	21°43	0°46	6°51	10°22	23°4	24°26	11°40	7°D47	8°13	22°23	1°22		
M24	16 8 59	3°29'56	27°37	16°6	22°57	1°29	6°45	10°19	23°2	24°28	11°41	7°48	8°10	22°30	1°25		
T 25	16 12 55	4°27'37	10♌51	17°55	24°10	2°12	6°39	10°16	23°1	24°29	11°42	7°48	8°7	22°37	1°28		
W26	16 16 52	5°25'17	23°43	19°46	25°23	2°54	6°33	10°13	23°0	24°31	11°43	7°48	8°4	22°43	1°31		
T 27	16 20 48	6°22'56	6♌17	21°39	26°37	3°37	6°27	10°10	22°58	24°32	11°44	7°48	8°1	22°50	1°35		
F 28	16 24 45	7°20'33	18°34	23°35	27°50	4°19	6°21	10°6	22°57	24°34	11°45	7°49	7°58	22°57	1°38		
S 29	16 28 41	8°18'08	0♌39	25°32	29°3	5°2	6°16	10°3	22°56	24°36	11°45	7°R49	7°54	23°3	1°41		
S 30	16 32 38	9°15'42	12°35	27°32	0♌16	5°44	6°10	9°59	22°54	24°37	11°46	7°D49	7°51	23°10	1°44		
M31	16 36 34	10♌13'15	24♌28	29♌34	1♌29	6♌27	6♌5	9♌56	22♌53	24♌39	11♀47	7♌49	7♌48	23♌17	1♌47		

Day	☉		☽		♀		♂		♂		♂		♂		♂		♂		♂					
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat				
S 1	15n13	18n44	5n 2	3n14	2s46	18n52	0s 6	16n15	0s 3	13s19	1n24	22s 9	0n49	21s52	0s28	20n48	0s30	10s47	16s33	21n40	21n51	8n38	11n36	0n 6
S 2	15 30	14 42	5 13	3 30	2 51	19 12	0 3	16 28	0 3	13 17	1 24	22 9	0 49	21 52	0 28	20 48	0 30	10 47	16 33	21 39	21 51	8 36	11 37	0 6
M 3	15 48	10 8	5 10	3 48	2 55	19 31	0 1	16 41	0 2	13 14	1 24	22 9	0 49	21 52	0 28	20 48	0 30	10 46	16 33	21 39	21 50	8 33	11 38	0 6
T 4	16 6	5 11	4 54	4 8	2 58	19 50	0n 2	16 54	0 1	13 12	1 24	22 9	0 49	21 53	0 28	20 48	0 30	10 46	16 34	21 38	21 50	8 30	11 39	0 6
W 5	16 23	0 1	4 25	4 29	3 0	20 9	0 4	17 7	0 1	13 10	1 24	22 9	0 49	21 53	0 28	20 48	0 30	10 46	16 34	21 38	21 49	8 27	11 40	0 5
T 6	16 40	5s12	3 45	4 52	3 2	20 27	0 7	17 20	0n 0	13 7	1 24	22 10	0 49	21 53	0 28	20 48	0 30	10 45	16 34	21 37	21 49	8 24	11 42	0 5
F 7	16 56	10 18	2 53	5 17	3 3	20 44	0 9	17 33	0 1	13 5	1 24	22 10	0 49	21 53	0 28	20 47	0 30	10 45	16 34	21 37	21 48	8 22	11 43	0 5
S 8	17 12	15 5	1 52	5 43	3 4	21 1	0 12	17 45	0 1	13 3	1 23	22 10	0 49	21 53	0 28	20 47	0 30	10 45	16 34	21 36	21 48	8 19	11 44	0 5
S 9	17 28	19 18	0 45	6 10	3 4	21 17	0 14	17 57	0 2	13 0	1 23	22 10	0 49	21 53	0 28	20 47	0 30	10 45	16 35	21 36	21 47	8 16	11 45	0 5
M10	17 44	22 41	0s25	6 38	3 3	21 33	0 17	18 9	0 3	12 58	1 23	22 10	0 49	21 53	0 28	20 47	0 30	10 44	16 35	21 36	21 47	8 13	11 46	0 5
T 11	17 59	24 56	1 35	7 8	3 2	21 48	0 19	18 21	0 3	12 56	1 23	22 10	0 49	21 53	0 28	20 47	0 30	10 44	16 35	21 36	21 46	8 10	11 47	0 5
W12	18 15	25 51	2 42	7 38	3 0	22 2	0 22	18 33	0 4	12 54	1 23	22 11	0 49	21 54	0 28	20 47	0 30	10 44	16 35	21 36	21 46	8 7	11 48	0 5
T 13	18 29	25 15	3 41	8 10	2 57	22 16	0 24	18 44	0 5	12 51	1 23	22 11	0 49	21 54	0 28	20 46	0 30	10 44	16 35	21 37	21 45	8 5	11 50	0 5
F 14	18 44	23 9	4 28	8 43	2 54	22 29	0 27	18 56	0 5	12 49	1 23	22 11	0 49	21 54	0 28	20 46	0 30	10 43	16 36	21 37	21 45	8 2	11 51	0 5
S 15	18 58	19 39	5 0	9 17	2 50	22 42	0 29	19 7	0 6	12 47	1 23	22 11	0 49	21 54	0 28	20 46	0 30	10 43	16 36	21 37	21 44	7 59	11 52	0 5
S 16	19 12	15 0	5 15	9 51	2 46	22 54	0 32	19 18	0 6	12 45	1 22	22 11	0 49	21 54	0 28	20 46	0 30	10 43	16 36	21 37	21 44	7 56	11 53	0 5
M17	19 25	9 28	5 11	10 27	2 41	23 5	0 34	19 28	0 7	12 43	1 22	22 12	0 49	21 54	0 28	20 46	0 30	10 43	16 36	21 37	21 43	7 53	11 54	0 5
T 18	19 39	3 22	4 47	11 3	2 36	23 16	0 37	19 39	0 8	12 41	1 22	22 12	0 49	21 55	0 28	20 45	0 30	10 43	16 37	21 37	21 43	7 50	11 55	0 5
W19	19 52	2n56	4 5	11 40	2 30	23 26	0 39	19 49	0 8	12 39	1 22	22 12	0 49	21 55	0 28	20 45	0 30	10 42	16 37	21 36	21 42	7 48	11 56	0 4
T 20	20 4	9 6	3 7	12 17	2 23	23 35	0 42	20 0	0 9	12 37	1 22	22 12	0 49	21 55	0 28	20 45	0 30	10 42	16 37	21 36	21 42	7 45	11 57	0 4
F 21	20 16	14 44	1 58	12 55	2 16	23 44	0 44	20 9	0 10	12 35	1 22	22 12	0 49	21 55	0 28	20 45	0 30	10 42	16 38	21 36	21 41	7 42	11 58	0 4
S 22	20 28	19 29	0 42	13 33	2 9	23 52	0 46	20 19	0 10	12 33	1 22	22 13	0 49	21 55	0 28	20 44	0 30	10 42	16 38	21 36	21 41	7 39	12 0	0 4
S 23	20 40																							

SWISS EPHEMERIS for the year 2077

JUNE 2077

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	16 40 31	11II10'46	6♂22	1II37	2♂42	7II 9	6°R 0	9°R52	22°R51	24♂41	11°Y48	7II49	7II45	23♂24	1♂50	
W 2	16 44 28	12° 8'16	18°22	3°42	3°55	7°51	5♂55	9♂49	22♂49	24°42	11°49	7°49	7°42	23°30	1°53	
T 3	16 48 24	13° 5'45	0III30	5°49	5° 8	8°34	5°50	9°45	22°48	24°44	11°50	7°50	7°38	23°37	1°56	
F 4	16 52 21	14° 3'12	12°51	7°57	6°21	9°16	5°45	9°41	22°46	24°46	11°51	7°50	7°35	23°44	1°59	
S 5	16 56 17	15° 0'39	25°27	10° 6	7°34	9°58	5°41	9°38	22°44	24°48	11°51	7°51	7°32	23°50	2° 2	
S 6	17 0 14	15°58'04	8♂20	12°17	8°47	10°40	5°36	9°34	22°43	24°50	11°52	7°R51	7°29	23°57	2° 4	
M 7	17 4 10	16°55'29	21°29	14°28	10° 0	11°22	5°32	9°30	22°41	24°51	11°53	7°51	7°26	24° 4	2° 7	
T 8	17 8 7	17°52'52	4♂54	16°40	11°13	12° 4	5°28	9°26	22°39	24°53	11°54	7°50	7°23	24°11	2°10	
W 9	17 12 3	18°50'15	18°34	18°52	12°26	12°46	5°24	9°22	22°37	24°55	11°54	7°49	7°19	24°17	2°13	
T 10	17 16 0	19°47'37	2♂26	21° 4	13°39	13°28	5°20	9°18	22°35	24°57	11°55	7°47	7°16	24°24	2°16	
F 11	17 19 57	20°44'59	16°29	23°16	14°51	14°10	5°16	9°14	22°33	24°59	11°56	7°46	7°13	24°31	2°18	
S 12	17 23 53	21°42'20	0♂38	25°27	16° 4	14°51	5°13	9°10	22°32	25° 1	11°56	7°45	7°10	24°37	2°21	
S 13	17 27 50	22°39'41	14°51	27°38	17°17	15°33	5°10	9° 6	22°30	25° 3	11°57	7°44	7° 7	24°44	2°23	
M14	17 31 46	23°37'01	29° 5	29°47	18°30	16°15	5° 6	9° 2	22°28	25° 5	11°57	7°D44	7° 4	24°51	2°26	
T 15	17 35 43	24°34'20	13°Y18	1♂55	19°42	16°56	5° 4	8°58	22°26	25° 7	11°58	7°45	7° 0	24°58	2°29	
W16	17 39 39	25°31'40	27°27	4° 2	20°55	17°38	5° 1	8°53	22°23	25° 9	11°59	7°46	6°57	25° 4	2°31	
T 17	17 43 36	26°28'59	11♂30	6° 7	22° 8	18°19	4°58	8°49	22°21	25°11	11°59	7°47	6°54	25°11	2°34	
F 18	17 47 32	27°26'17	25°25	8°11	23°20	19° 1	4°56	8°45	22°19	25°13	12° 0	7°48	6°51	25°18	2°36	
S 19	17 51 29	28°23'36	9II 9	10°12	24°33	19°42	4°53	8°41	22°17	25°15	12° 0	7°R48	6°48	25°24	2°38	
S 20	17 55 26	29°20'54	22°41	12°12	25°45	20°24	4°51	8°36	22°15	25°17	12° 1	7°48	6°44	25°31	2°41	
M21	17 59 22	0♂18'11	5♂58	14° 9	26°58	21° 5	4°49	8°32	22°13	25°19	12° 1	7°46	6°41	25°38	2°43	
T 22	18 3 19	1°15'28	19° 0	16° 5	28°10	21°46	4°48	8°28	22°11	25°21	12° 2	7°43	6°38	25°45	2°45	
W23	18 7 15	2°12'45	1♂45	17°58	29°23	22°28	4°46	8°23	22° 8	25°23	12° 2	7°40	6°35	25°51	2°47	
T 24	18 11 12	3°10'01	14°14	19°49	0♂35	23° 9	4°45	8°19	22° 6	25°25	12° 2	7°36	6°32	25°58	2°50	
F 25	18 15 8	4° 7'16	26°30	21°38	1°48	23°50	4°44	8°14	22° 4	25°27	12° 3	7°32	6°29	26° 5	2°52	
S 26	18 19 5	5° 4'31	8♂34	23°25	3° 0	24°31	4°43	8°10	22° 2	25°29	12° 3	7°28	6°25	26°12	2°54	
S 27	18 23 2	6° 1'45	20°31	25° 9	4°12	25°12	4°42	8° 6	21°59	25°31	12° 3	7°26	6°22	26°18	2°56	
M28	18 26 58	6°58'58	2♂24	26°51	5°25	25°53	4°41	8° 1	21°57	25°33	12° 4	7°D25	6°19	26°25	2°58	
T 29	18 30 55	7°56'12	14°17	28°31	6°37	26°34	4°41	7°57	21°55	25°35	12° 4	7°25	6°16	26°32	3° 0	
W30	18 34 51	8°53'24	26♂17	0♂ 9	7♂49	27II15	4♂40	7♂52	21♂53	25♂38	12°Y 4	7II26	6II13	26♂38	3♂ 2	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂								
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl								
T 1	22n 7	1n44	4n38	19n55	0s35	24n32	1n 8	21n46	0n16	12s16	1n20	22s15	0n48	21s58	0s29	20n42	0s30	10s41	16s41	21n36	21n36	7n10	12n10	0n 4
W 2	22 14	3s29	4 1	20 30	0 24	24 33	1 10	21 53	0 17	12 14	1 19	22 16	0 48	21 58	0 29	20 41	0 30	10 41	16 41	21 36	21 35	7 7	12 11	0 4
T 3	22 22	8 38	3 12	21 3	0 13	24 32	1 12	22 1	0 18	12 13	1 19	22 16	0 48	21 59	0 29	20 41	0 30	10 41	16 41	21 36	21 35	7 5	12 12	0 3
F 4	22 29	13 34	2 14	21 35	0 2	24 31	1 14	22 8	0 18	12 12	1 19	22 16	0 48	21 59	0 29	20 41	0 29	10 41	16 42	21 36	21 34	7 2	12 13	0 3
S 5	22 35	18 1	1 8	22 6	0n 8	24 29	1 16	22 15	0 19	12 10	1 19	22 17	0 48	21 59	0 29	20 41	0 29	10 41	16 42	21 37	21 34	6 59	12 13	0 3
S 6	22 41	21 44	0s 3	22 34	0 19	24 26	1 18	22 21	0 19	12 9	1 18	22 17	0 48	22 0	0 29	20 40	0 29	10 41	16 42	21 37	21 33	6 56	12 14	0 3
M 7	22 47	24 24	1 15	23 0	0 29	24 22	1 20	22 28	0 20	12 8	1 18	22 17	0 48	22 0	0 29	20 40	0 29	10 41	16 43	21 37	21 32	6 53	12 15	0 3
T 8	22 53	25 44	2 24	23 25	0 39	24 18	1 21	22 34	0 21	12 7	1 18	22 18	0 48	22 0	0 29	20 40	0 29	10 41	16 43	21 36	21 32	6 50	12 16	0 3
W 9	22 58	25 33	3 27	23 46	0 49	24 13	1 23	22 40	0 21	12 6	1 18	22 18	0 48	22 0	0 29	20 39	0 29	10 41	16 43	21 36	21 31	6 47	12 17	0 3
T 10	23 2 23	47 4	18 24	5 0	58 24	8 1	24 22	46 0	22 12	5 1	17 22	18 0	48 22	1 0	29 20	39 0	29 10	41 16	44 21	36 21	31 6	44 12	18 0	3
F 11	23 6 20	34 4	5 14	24 22	1 6	24 2	1 26	22 52	0 22	12 4	1 17	22 19	0 48	22 1	0 29	20 39	0 29	10 41	16 44	21 36	21 30	6 41	12 19	0 3
S 12	23 10 16	7 5	13 24	36 1	14 23	55 1	28 22	57 0	23 12	3 1	17 22	19 0	48 22	2 0	29 20	38 0	29 10	41 16	44 21	36 21	30 6	38 12	20 0	3
S 13	23 14 10	47 5	13 24	46 1	22 23	47 1	29 23	2 0	24 12	2 1	17 22	19 0	48 22	2 0	29 20	38 0	29 10	41 16	45 21	35 21	29 6	36 12	21 0	3
M14	23 17 4 52	4 54	24 55 1	29 23	39 1	30 23	7 0	24 12	1 1	16 22	20 0	48 22	2 0	29 20	38 0	29 10	42 16	45 21	35 21	29 6	33 12	21 0	3	
T 15	23 19 1n18	4 17	25 0 1	35 23	30 1	32 23	12 0	25 12	0 1	16 22	20 0	48 22	3 0	29 20	37 0	29 10	42 16	45 21	36 21	28 6	30 12	22 0	3	
W16	23 21 7 23	3 24	25 2 1	40 23	20 1	33 23	17 0	25 12	0 1	16 22	20 0	48 22	3 0	29 20	37 0	29 10	42 16	46 21	36 21	28 6	27 12	23 0	3	
T 17	23 23 13 3	2 20	25 2 1	45 23	10 1	34 23	21 0	26 11	59 1	16 22	21 0	48 22	3 0	29 20	37 0	29 10	42 16	46 21	36 21	27 6	24 12	24 0	2	
F 18	23 24 18 1	1 8	25 0 1	49 22	59 1	35 23	25 0	27 11	58 1	15 22	21 0	48 22	4 0	29 20	36 0	29 10	42 16	46 21	36 21	27 6	21 12	24 0	2	
S 19	23 25 21 56	0n 7	24 54 1	52 22	47 1	36 23	29 0	27 11	58 1	15 22	21 0	47 22	4 0	29 20	36 0	29 10	42 16	47 21	36 21	26 6	18 12	25 0	2	
S 20	23 26 24 35	1 21	24 46 1	55 22	35 1	37 23	33 0	28 11	57 1	15 22	22 0	47 22	4 0	29 20	36 0	29 10	42 16	47 21	36 21	26 6	15 12	26 0	2	
M21	23 26 25 46	2 29	24 36 1	56 22	22 1	38 23	36 0	28 11	57 1	15 22	22 0	47 22	5 0	29 20	35 0	29 10	42 16	47 21	36 21	25 6	12 12	27 0	2	
T 22	23 25 25 30	3 27	24 24 1	57 22	8 1	39 23	39 0	29 11	57 1	14 22	22 0	47 22	5 0	29 10	35 0	29 10	43 16	48 21	35 21	25 6	9 12	27 0	2	
W23	23 25 23 53	4 14	24 10 1	58 21	54 1	40 23	42 0	29 11	57 1	14 22	23 0	47 22	5 0	29 20	35 0	29 10	43 16	48 21	35 21	24 6	6 12	28 0	2	
T 24	23 24 21 8	4 48	23 54 1	57 21	39 1	41 23	45 0	30 11	56 1	14 22	23 0	47 22	6 0	29 20	34 0	29 10	43 16	49 21	34 21	23 6	3 12	29 0	2	
F 25	23 22 17 29	5 7	23 36 1	56 21	24 1	41 23	48 0	31 11	56 1	14 22	24 0	47 22	6 0	29 20	34 0	29 10	43 16	49 21	33 21	23 6	0 12	29 0	2	
S 26	23 20 13 11	5 13	23 17 1	54 21	8 1	42 23	50 0	31 11	56 1	13 22	24 0	47 22	7 0	29 20	34 0	29 10	43 16	49 21	33 21	22 5	5 12	30 0	2	
S 27	23 18 8 26	5 5	22 56 1	52 20	51 1	42 23	52 0	32 11	56 1	13 22	24 0	47 22	7 0	29 20	33 0	29 10	44 16	50 21	33 21	22 5	55 12	31 0	2	
M28	23 15 3 23	4 44	22 33 1	48 20	34 1	43 23	54 0	32 11	56 1	13 22	25 0	47 22	7 0	29 20	33 0	29 10	44 16	50 21	32 21	21 5	52 12	31 0	2	
T 29	23 12 1s47	4 11	22 9 1	45 20	17 1	43 23	56 0	33 11	56 1	13 22	25 0	47 22	8 0	29 20	32 0	29 10	44 16	50 21	32 21	21 5	49 12	32 0	2	

SWISS EPHEMERIS for the year 2077

JULY 2077

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	18 38 48	9 ⁵⁰ 50'36	8 ¹¹ 26	1 ⁰⁴ 44	9 ⁰¹ 1	27 ¹¹ 56	4 ⁰ D40	7 ⁰ R48	21 ⁰ R50	25 ⁰ 640	12 ⁰ Y 5	7 ⁰ II28	6 ⁰ II10	26 ⁰ 45	3 ⁰ 8 4	
F 2	18 42 44	10 ⁰ 47'48	20 ⁰ 51	3 ⁰ 17	10 ⁰ 14	28 ⁰ 37	4 ⁰ M40	7 ⁰ 344	21 ⁰ 348	25 ⁰ 42	12 ⁰ 5	7 ⁰ 29	6 ⁰ 6	26 ⁰ 52	3 ⁰ 5	
S 3	18 46 41	11 ⁰ 45'00	3 ⁰ 34	4 ⁰ 48	11 ⁰ 26	29 ⁰ 18	4 ⁰ 40	7 ⁰ 39	21 ⁰ 46	25 ⁰ 44	12 ⁰ 5	7 ⁰ R30	6 ⁰ 3	26 ⁰ 59	3 ⁰ 7	
S 4	18 50 37	12 ⁰ 42'11	16 ⁰ 38	6 ⁰ 16	12 ⁰ 38	29 ⁰ 58	4 ⁰ 41	7 ⁰ 35	21 ⁰ 43	25 ⁰ 46	12 ⁰ 5	7 ⁰ 30	6 ⁰ 0	27 ⁰ 5	3 ⁰ 9	
M 5	18 54 34	13 ⁰ 39'23	0 ⁰ 35	7 ⁰ 42	13 ⁰ 50	0 ⁰ 39	4 ⁰ 42	7 ⁰ 30	21 ⁰ 41	25 ⁰ 48	12 ⁰ 5	7 ⁰ 28	5 ⁰ 57	27 ⁰ 12	3 ⁰ 11	
T 6	18 58 31	14 ⁰ 36'34	13 ⁰ 53	9 ⁰ 6	15 ⁰ 2	1 ⁰ 20	4 ⁰ 42	7 ⁰ 26	21 ⁰ 38	25 ⁰ 51	12 ⁰ 5	7 ⁰ 24	5 ⁰ 54	27 ⁰ 19	3 ⁰ 12	
W 7	19 2 27	15 ⁰ 33'45	27 ⁰ 59	10 ⁰ 28	16 ⁰ 14	2 ⁰ 0	4 ⁰ 43	7 ⁰ 22	21 ⁰ 36	25 ⁰ 53	12 ⁰ 6	7 ⁰ 20	5 ⁰ 50	27 ⁰ 25	3 ⁰ 14	
T 8	19 6 24	16 ⁰ 30'56	12 ⁰ 39	11 ⁰ 47	17 ⁰ 25	2 ⁰ 41	4 ⁰ 44	7 ⁰ 17	21 ⁰ 34	25 ⁰ 55	12 ⁰ 6	7 ⁰ 14	5 ⁰ 47	27 ⁰ 32	3 ⁰ 15	
F 9	19 10 20	17 ⁰ 28'07	26 ⁰ 48	13 ⁰ 3	18 ⁰ 37	3 ⁰ 21	4 ⁰ 46	7 ⁰ 13	21 ⁰ 31	25 ⁰ 57	12 ⁰ 6	7 ⁰ 8	5 ⁰ 44	27 ⁰ 39	3 ⁰ 17	
S 10	19 14 17	18 ⁰ 25'19	11 ⁰ 19	14 ⁰ 17	19 ⁰ 49	4 ⁰ 2	4 ⁰ 47	7 ⁰ 9	21 ⁰ 29	25 ⁰ 59	12 ⁰ 6	7 ⁰ 3	5 ⁰ 41	27 ⁰ 46	3 ⁰ 18	
S 11	19 18 13	19 ⁰ 22'31	25 ⁰ 47	15 ⁰ 28	21 ⁰ 1	4 ⁰ 42	4 ⁰ 49	7 ⁰ 4	21 ⁰ 26	26 ⁰ 2	12 ⁰ 6	6 ⁰ 59	5 ⁰ 38	27 ⁰ 52	3 ⁰ 20	
M 12	19 22 10	20 ⁰ 19'43	10 ⁰ Y 7	16 ⁰ 37	22 ⁰ 13	5 ⁰ 23	4 ⁰ 51	7 ⁰ 0	21 ⁰ 24	26 ⁰ 4	12 ⁰ R 6	6 ⁰ 57	5 ⁰ 35	27 ⁰ 59	3 ⁰ 21	
T 13	19 26 6	21 ⁰ 16'56	24 ⁰ 16	17 ⁰ 43	23 ⁰ 24	6 ⁰ 3	4 ⁰ 53	6 ⁰ 56	21 ⁰ 22	26 ⁰ 6	12 ⁰ 6	6 ⁰ D57	5 ⁰ 31	28 ⁰ 6	3 ⁰ 22	
W 14	19 30 3	22 ⁰ 14'10	8 ⁰ 13	18 ⁰ 46	24 ⁰ 36	6 ⁰ 43	4 ⁰ 55	6 ⁰ 52	21 ⁰ 19	26 ⁰ 8	12 ⁰ 6	6 ⁰ 57	5 ⁰ 28	28 ⁰ 12	3 ⁰ 24	
T 15	19 34 0	23 ⁰ 11'24	21 ⁰ 57	19 ⁰ 46	25 ⁰ 48	7 ⁰ 23	4 ⁰ 57	6 ⁰ 48	21 ⁰ 17	26 ⁰ 11	12 ⁰ 6	6 ⁰ 59	5 ⁰ 25	28 ⁰ 19	3 ⁰ 25	
F 16	19 37 56	24 ⁰ 8'39	5 ⁰ II29	20 ⁰ 43	26 ⁰ 59	8 ⁰ 4	5 ⁰ 0	6 ⁰ 43	21 ⁰ 14	26 ⁰ 13	12 ⁰ 6	6 ⁰ R59	5 ⁰ 22	28 ⁰ 26	3 ⁰ 26	
S 17	19 41 53	25 ⁰ 5'54	18 ⁰ 49	21 ⁰ 37	28 ⁰ 11	8 ⁰ 44	5 ⁰ 3	6 ⁰ 39	21 ⁰ 12	26 ⁰ 15	12 ⁰ 5	6 ⁰ 59	5 ⁰ 19	28 ⁰ 33	3 ⁰ 27	
S 18	19 45 49	26 ⁰ 3'10	1 ⁰ 57	22 ⁰ 28	29 ⁰ 22	9 ⁰ 24	5 ⁰ 6	6 ⁰ 35	21 ⁰ 9	26 ⁰ 17	12 ⁰ 5	6 ⁰ 56	5 ⁰ 16	28 ⁰ 39	3 ⁰ 28	
M 19	19 49 46	27 ⁰ 0'27	14 ⁰ 54	23 ⁰ 15	0 ⁰ 33	10 ⁰ 4	5 ⁰ 9	6 ⁰ 31	21 ⁰ 7	26 ⁰ 19	12 ⁰ 5	6 ⁰ 51	5 ⁰ 12	28 ⁰ 46	3 ⁰ 29	
T 20	19 53 42	27 ⁰ 57'44	27 ⁰ 38	23 ⁰ 59	1 ⁰ 45	10 ⁰ 44	5 ⁰ 12	6 ⁰ 27	21 ⁰ 5	26 ⁰ 22	12 ⁰ 5	6 ⁰ 44	5 ⁰ 9	28 ⁰ 53	3 ⁰ 30	
W 21	19 57 39	28 ⁰ 55'01	10 ⁰ II10	24 ⁰ 40	2 ⁰ 56	11 ⁰ 24	5 ⁰ 15	6 ⁰ 23	21 ⁰ 2	26 ⁰ 24	12 ⁰ 5	6 ⁰ 35	5 ⁰ 6	28 ⁰ 59	3 ⁰ 31	
T 22	20 1 35	29 ⁰ 52'19	22 ⁰ 31	25 ⁰ 16	4 ⁰ 7	12 ⁰ 4	5 ⁰ 19	6 ⁰ 20	21 ⁰ 0	26 ⁰ 26	12 ⁰ 5	6 ⁰ 26	5 ⁰ 3	29 ⁰ 6	3 ⁰ 32	
F 23	20 5 32	0 ⁰ II49'37	4 ⁰ II41	25 ⁰ 48	5 ⁰ 19	12 ⁰ 44	5 ⁰ 23	6 ⁰ 16	20 ⁰ 58	26 ⁰ 28	12 ⁰ 4	6 ⁰ 16	5 ⁰ 0	29 ⁰ 13	3 ⁰ 33	
S 24	20 9 29	1 ⁰ 46'55	16 ⁰ 42	26 ⁰ 17	6 ⁰ 30	13 ⁰ 24	5 ⁰ 26	6 ⁰ 12	20 ⁰ 55	26 ⁰ 31	12 ⁰ 4	6 ⁰ 7	4 ⁰ 56	29 ⁰ 19	3 ⁰ 33	
S 25	20 13 25	2 ⁰ 44'14	28 ⁰ 36	26 ⁰ 41	7 ⁰ 41	14 ⁰ 3	5 ⁰ 30	6 ⁰ 8	20 ⁰ 53	26 ⁰ 33	12 ⁰ 4	6 ⁰ 0	4 ⁰ 53	29 ⁰ 26	3 ⁰ 34	
M 26	20 17 22	3 ⁰ 41'33	10 ⁰ II27	27 ⁰ 0	8 ⁰ 52	14 ⁰ 43	5 ⁰ 35	6 ⁰ 5	20 ⁰ 50	26 ⁰ 35	12 ⁰ 4	5 ⁰ 55	4 ⁰ 50	29 ⁰ 33	3 ⁰ 35	
T 27	20 21 18	4 ⁰ 38'53	22 ⁰ 18	27 ⁰ 15	10 ⁰ 3	15 ⁰ 23	5 ⁰ 39	6 ⁰ 1	20 ⁰ 48	26 ⁰ 37	12 ⁰ 3	5 ⁰ 52	4 ⁰ 47	29 ⁰ 40	3 ⁰ 35	
W 28	20 25 15	5 ⁰ 36'13	4 ⁰ II16	27 ⁰ 25	11 ⁰ 14	16 ⁰ 3	5 ⁰ 44	5 ⁰ 57	20 ⁰ 46	26 ⁰ 39	12 ⁰ 3	5 ⁰ D51	4 ⁰ 44	29 ⁰ 46	3 ⁰ 36	
T 29	20 29 11	6 ⁰ 33'34	16 ⁰ 23	27 ⁰ 30	12 ⁰ 25	16 ⁰ 42	5 ⁰ 48	5 ⁰ 54	20 ⁰ 44	26 ⁰ 42	12 ⁰ 2	5 ⁰ 52	4 ⁰ 41	29 ⁰ 53	3 ⁰ 36	
F 30	20 33 8	7 ⁰ 30'55	28 ⁰ 47	27 ⁰ R31	13 ⁰ 36	17 ⁰ 22	5 ⁰ 53	5 ⁰ 50	20 ⁰ 41	26 ⁰ 44	12 ⁰ 2	5 ⁰ 52	4 ⁰ 37	29 ⁰ 59	3 ⁰ 37	
S 31	20 37 4	8 ⁰ II28'17	11 ⁰ II31	27 ⁰ II26	14 ⁰ II46	18 ⁰ II1	5 ⁰ II58	5 ⁰ II47	20 ⁰ II39	26 ⁰ II46	12 ⁰ Y 2	5 ⁰ R52	4 ⁰ II34	0 ⁰ II6	3 ⁰ II37	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂								
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl								
T 1	23n 4	11s55	2n32	21n19	1n35	19n40	1n44	23n59	0n34	11s57	1n12	22s26	0n47	22s 9	0s29	20n32	0s29	10s45	16s51	21n33	21n20	5n43	12n33	0n 1
F 2	22 59	16 31	1 30	20 52	1 30	19 20	1 44	24 0	0 34	11 57	1 12	22 26	0 46	22 9	0 29	20 31	0 29	10 45	16 51	21 33	21 19	5 40	12 34	0 1
S 3	22 55	20 30	0 21	20 24	1 23	19 0	1 44	24 1	0 35	11 57	1 11	22 26	0 46	22 9	0 29	20 31	0 29	10 45	16 52	21 33	21 19	5 37	12 34	0 1
S 4	22 49	23 35	0s50	19 56	1 17	18 40	1 44	24 1	0 36	11 58	1 11	22 27	0 46	22 10	0 29	20 30	0 29	10 45	16 52	21 33	21 18	5 34	12 35	0 1
M 5	22 44	25 26	2 0	19 27	1 9	18 19	1 44	24 2	0 36	11 58	1 11	22 27	0 46	22 10	0 29	20 30	0 29	10 46	16 53	21 33	21 17	5 31	12 35	0 1
T 6	22 38	25 46	3 5	18 58	1 2	17 58	1 43	24 2	0 37	11 59	1 11	22 27	0 46	22 10	0 29	20 30	0 29	10 46	16 53	21 32	21 17	5 28	12 36	0 1
W 7	22 31	24 28	4 0	18 28	0 53	17 36	1 43	24 2	0 37	11 59	1 10	22 28	0 46	22 11	0 29	20 29	0 29	10 46	16 53	21 31	21 16	5 25	12 36	0 1
T 8	22 25	21 35	4 41	17 58	0 44	17 14	1 43	24 2	0 38	12 0	1 10	22 28	0 46	22 11	0 29	20 29	0 29	10 46	16 54	21 31	21 16	5 22	12 37	0 1
F 9	22 17	17 20	5 4	17 27	0 35	16 52	1 42	24 2	0 38	12 0	1 10	22 28	0 46	22 12	0 29	20 29	0 29	10 47	16 54	21 30	21 15	5 19	12 37	0 1
S 10	22 10	12 4	5 8	16 57	0 26	16 29	1 42	24 1	0 39	12 0	1 10	22 29	0 46	22 12	0 29	20 28	0 29	10 47	16 54	21 29	21 15	5 16	12 38	0 1
S 11	22 2 6 9	4 53	16 26	0 15	16 5	1 41	24 0	0 39	12 2	1 9	22 29	0 46	22 12	0 29	20 28	0 29	10 47	16 55	21 28	21 14	5 13	12 38	0 1	
M 12	21 54	0n 2	4 19	15 56	0 5	15 41	1 41	23 59	0 40	12 3	1 9	22 29	0 45	22 13	0 29	20 27	0 29	10 48	16 55	21 28	21 14	5 10	12 38	0 1
T 13	21 45	6 9	3 30	15 25	0s 6	15 17	1 40	23 58	0 40	12 4	1 9	22 30	0 45	22 13	0 29	20 27	0 29	10 48	16 56	21 28	21 13	5 7	12 39	0 1
W 14	21 36	11 53	2 29	14 55	0 17	14 52	1 39	23 56	0 41	12 5	1 8	22 30	0 45	22 14	0 29	20 27	0 29	10 48	16 56	21 28	21 12	5 4	12 39	0 1
T 15	21 26	16 57	1 20	14 26	0 29	14 27	1 38	23 55	0 41	12 6	1 8	22 30	0 45	22 14	0 29	20 26	0 29	10 49	16 56	21 28	21 12	5 1	12 39	0 0
F 16	21 17	21 5	0 8	13 56	0 41	14 2	1 37	23 53	0 42	12 7	1 8	22 31	0 45	22 14	0 29	20 26	0 29	10 49	16 57	21 28	21 11	4 58	12 40	0 0
S 17	21 6	24 1	1n 3	13 27	0 53	13 36	1 36	23 51	0 43	12 8	1 8	22 31	0 45	22 15	0 29	20 25	0 29	10 50	16 57	21 28	21 11	4 55	12 40	0 0
S 18	20 56	25 35	2 10	12 59	1 5	13 10	1 35	23 49	0 43	12 9	1 7	22 31												

SWISS EPHEMERIS for the year 2077

AUGUST 2077

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	20 41 1	9♎25°39	24♌40	27♏15	15♍57	18♉41	6♌ 3	5°R44	20°R37	26♉48	12°R 1	5°R51	4♐31	0♌13	3♌37
M 2	20 44 58	10°23'02	8♌15	27♏ 0	17° 8	19°20	6° 9	5♌41	20°35	26°50	12°R 1	5♐47	4°28	0°20	3°38
T 3	20 48 54	11°20'26	22°17	26°40	18°18	20° 0	6°14	5°37	20°32	26°53	12° 0	5°41	4°25	0°27	3°38
W 4	20 52 51	12°17'50	6♌43	26°15	19°29	20°39	6°20	5°34	20°30	26°55	12° 0	5°33	4°22	0°33	3°38
T 5	20 56 47	13°15'15	21°27	25°45	20°39	21°19	6°25	5°31	20°28	26°57	11°59	5°23	4°18	0°40	3°38
F 6	21 0 44	14°12'41	6♌22	25°10	21°50	21°58	6°31	5°28	20°26	26°59	11°59	5°13	4°15	0°47	3°R38
S 7	21 4 40	15°10'09	21°18	24°32	23° 0	22°37	6°37	5°25	20°24	27° 1	11°58	5° 4	4°12	0°53	3°38
S 8	21 8 37	16° 7'37	6♌ 6	23°50	24°10	23°16	6°44	5°23	20°22	27° 3	11°58	4°57	4° 9	1° 0	3°38
M 9	21 12 33	17° 5'06	20°40	23° 6	25°20	23°55	6°50	5°20	20°20	27° 5	11°57	4°52	4° 6	1° 7	3°38
T 10	21 16 30	18° 2'38	4♌56	22°19	26°30	24°35	6°56	5°17	20°17	27° 8	11°57	4°50	4° 2	1°14	3°38
W 11	21 20 27	19° 0'10	18°52	21°31	27°40	25°14	7° 3	5°15	20°15	27°10	11°56	4°D49	3°59	1°20	3°37
T 12	21 24 23	19°57'44	2♐28	20°42	28°50	25°53	7°10	5°12	20°13	27°12	11°55	4°R50	3°56	1°27	3°37
F 13	21 28 20	20°55'19	15°47	19°54	0♌ 0	26°32	7°17	5°10	20°11	27°14	11°55	4°49	3°53	1°34	3°37
S 14	21 32 16	21°52'56	28°50	19° 7	1°10	27°11	7°24	5° 7	20°10	27°16	11°54	4°47	3°50	1°40	3°36
S 15	21 36 13	22°50'35	11♉39	18°22	2°20	27°50	7°31	5° 5	20° 8	27°18	11°53	4°43	3°47	1°47	3°36
M 16	21 40 9	23°48'14	24°17	17°41	3°29	28°29	7°38	5° 3	20° 6	27°20	11°53	4°36	3°43	1°54	3°35
T 17	21 44 6	24°45'55	6♌44	17° 3	4°39	29° 8	7°46	5° 1	20° 4	27°22	11°52	4°25	3°40	2° 0	3°35
W 18	21 48 2	25°43'38	19° 3	16°31	5°48	29°46	7°53	4°59	20° 2	27°24	11°51	4°13	3°37	2° 7	3°34
T 19	21 51 59	26°41'21	1♐13	16° 4	6°58	0♌25	8° 1	4°57	20° 0	27°26	11°50	4° 0	3°34	2°14	3°34
F 20	21 55 56	27°39'06	13°15	15°43	8° 7	1° 4	8° 9	4°55	19°59	27°28	11°50	3°46	3°31	2°21	3°33
S 21	21 59 52	28°36'52	25°11	15°29	9°16	1°43	8°17	4°53	19°57	27°30	11°49	3°33	3°27	2°27	3°32
S 22	22 3 49	29°34'40	7♌ 2	15°D22	10°26	2°21	8°25	4°52	19°55	27°32	11°48	3°22	3°24	2°34	3°31
M 23	22 7 45	0♐32'28	18°51	15°23	11°35	3° 0	8°33	4°50	19°53	27°34	11°47	3°14	3°21	2°41	3°30
T 24	22 11 42	1°30'18	0♌41	15°31	12°44	3°39	8°41	4°49	19°52	27°36	11°46	3° 9	3°18	2°47	3°29
W 25	22 15 38	2°28'10	12°36	15°47	13°52	4°17	8°49	4°47	19°50	27°38	11°45	3° 6	3°15	2°54	3°28
T 26	22 19 35	3°26'02	24°41	16°11	15° 1	4°56	8°58	4°46	19°49	27°40	11°45	3° 5	3°12	3° 1	3°27
F 27	22 23 31	4°23'56	7♌ 2	16°43	16°10	5°34	9° 7	4°45	19°47	27°42	11°44	3° 5	3° 8	3° 8	3°26
S 28	22 27 28	5°21'51	19°43	17°23	17°18	6°13	9°15	4°44	19°46	27°43	11°43	3° 5	3° 5	3°14	3°25
S 29	22 31 25	6°19'47	2♌48	18°10	18°27	6°51	9°24	4°43	19°44	27°45	11°42	3° 3	3° 2	3°21	3°24
M 30	22 35 21	7°17'45	16°23	19° 4	19°35	7°29	9°33	4°42	19°43	27°47	11°41	2°59	2°59	3°28	3°23
T 31	22 39 18	8°15'44	0♌27	20° 6	20°44	8° 8	9♌42	4♌41	19°42	27°49	11°40	2♐53	2♐56	3♌34	3♌21

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	17n53	24s58	1s38	8n35	4s 5	6n36	1n 9	22n57	0n50	12s32	1n 4	22s35	0n43	22s20	0s29	20n19	0s29	10s56	17s 2	21n16	21n 2	4n10	12n42	0s 1
M 2	17 38	25 53	2 43	8 30	4 15	6 6	1 7	22 52	0 51	12 34	1 4	22 35	0 43	22 20	0 29	20 19	0 29	10 56	17 3	21 16	21 2	4 7	12 42	0 1
T 3	17 22	25 13	3 40	8 28	4 25	5 37	1 4	22 47	0 51	12 36	1 3	22 36	0 43	22 21	0 29	20 18	0 29	10 57	17 3	21 15	21 1	4 4	12 42	0 1
W 4	17 6	22 52	4 25	8 29	4 33	5 7	1 2	22 42	0 52	12 38	1 3	22 36	0 43	22 21	0 29	20 18	0 29	10 57	17 3	21 13	21 0	4 1	12 42	0 1
T 5	16 50	18 58	4 53	8 32	4 40	4 36	0 59	22 36	0 52	12 40	1 3	22 36	0 43	22 21	0 29	20 17	0 29	10 58	17 4	21 12	21 0	3 58	12 42	0 1
F 6	16 34	13 51	5 2	8 38	4 46	4 6	0 56	22 30	0 53	12 42	1 3	22 37	0 43	22 22	0 29	20 17	0 29	10 58	17 4	21 10	20 59	3 55	12 42	0 1
S 7	16 17	7 54	4 50	8 46	4 50	3 36	0 54	22 24	0 53	12 44	1 2	22 37	0 42	22 22	0 29	20 17	0 29	10 59	17 4	21 8	20 59	3 52	12 42	0 1
S 8	16 0	1 33	4 19	8 57	4 53	3 5	0 51	22 18	0 54	12 47	1 2	22 37	0 42	22 22	0 29	20 16	0 29	10 59	17 5	21 7	20 58	3 49	12 42	0 1
M 9	15 43	4n48	3 31	9 11	4 54	2 35	0 48	22 12	0 54	12 49	1 2	22 37	0 42	22 23	0 29	20 16	0 29	11 0	17 5	21 6	20 57	3 46	12 42	0 1
T 10	15 25	10 47	2 31	9 27	4 53	2 4	0 45	22 6	0 55	12 51	1 2	22 37	0 42	22 23	0 29	20 15	0 29	11 0	17 5	21 6	20 57	3 43	12 42	0 1
W 11	15 7	16 5	1 24	9 44	4 51	1 34	0 42	21 59	0 55	12 54	1 1	22 38	0 42	22 23	0 29	20 15	0 29	11 1	17 5	21 6	20 56	3 40	12 42	0 2
T 12	14 49	20 27	0 12	10 4	4 46	1 3	0 38	21 52	0 55	12 56	1 1	22 38	0 42	22 24	0 29	20 15	0 29	11 1	17 6	21 6	20 56	3 37	12 42	0 2
F 13	14 31	23 38	0n58	10 25	4 40	0 32	0 35	21 45	0 56	12 58	1 1	22 38	0 42	22 24	0 29	20 14	0 29	11 2	17 6	21 5	20 55	3 34	12 41	0 2
S 14	14 13	25 29	2 3	10 47	4 32	0 1	0 32	21 38	0 56	13 1	1 1	22 38	0 42	22 24	0 29	20 14	0 29	11 2	17 6	21 5	20 54	3 31	12 41	0 2
S 15	13 54	25 56	3 2	11 10	4 22	0s29	0 28	21 31	0 57	13 3	1 1	22 39	0 41	22 24	0 29	20 13	0 29	11 3	17 7	21 4	20 54	3 28	12 41	0 2
M 16	13 35	25 1	3 50	11 33	4 10	1 0	0 25	21 24	0 57	13 6	1 0	22 39	0 41	22 25	0 29	20 13	0 29	11 4	17 7	21 3	20 53	3 25	12 41	0 2
T 17	13 16	22 52	4 26	11 56	3 58	1 31	0 21	21 16	0 58	13 9	1 0	22 39	0 41	22 25	0 29	20 13	0 29	11 4	17 7	21 1	20 53	3 22	12 40	0 2
W 18	12 56	19 41	4 49	12 20	3 43	2 2	0 18	21 8	0 58	13 11	1 0	22 39	0 41	22 25	0 29	20 12	0 29	11 5	17 7	20 59	20 52	3 19	12 40	0 2
T 19	12 37	15 42	4 59	12 42	3 28	2 33	0 14	21 1	0 59	13 14	1 0	22 39	0 41	22 26	0 29	20 12	0 29	11 5	17 8	20 56	20 51	3 15	12 40	0 2
F 20	12 17	11 8	4 56	13 4	3 12	3 3	0 11	20 53	0 59	13 17	0 59	22 40	0 41	22 26	0 29	20 12	0 29	11 6	17 8	20 54	20 51	3 12	12 40	0 2
S 21	11 57	6 11	4 39	13 24	2 55	3 34	0 7	20 44	1 0	13 19	0 59	22 40	0 41	22 26	0 29	20 11	0 29	11 6	17 8	20 51	20 50	3 9	12 39	0 2
S 22	11 37	1 3	4 10	13 43	2 37	4 5	0 3	20 36	1 0	13 22	0 59	22 40	0 40	22 26	0 29	20 11	0 29	11 7	17 9	20 49	20 50	3 6	12 39	0 2
M 23	11 17	4s 7	3 31	14 0	2 19	4 35	0s 1	20 28	1 1	13 25	0 59	22 40	0 40	22 26	0 29	20 10	0 29	11 7	17 9	20 48	20 49	3 3	12 38	0 2
T 24	10 56	9 10	2 42	14 15	2 1	5 6	0 5	20 19	1 1	13 28	0 59	22 40	0 40	22 27	0 29	20 10	0 29	11 8	17 9	20 47	20 48	3 0	12 38	0 3
W 25	10 35	13 56	1 46	14 27	1 43	5 36	0 9	20 11	1 2	13 31	0 58	22 41	0 40	22 27	0 29	20 10	0 29	11 8	17 9	20 46	20 48	2 57	12 38	0 3
T 26	10 15	18 13	0 44	14 37	1 25	6 7	0 13	20 2	1 2	13 34	0 58	22 41	0 40	22 27	0 29	20 9	0 29	11 9	17 10	20 46	20 47	2 54	12 37	0 3
F 27	9 54	21 49	0s21	14 45	1 8	6 37	0 17	19 53	1 2	13 37	0 58	22 41	0 40	22 27	0 29	20 9	0 29	11 10	17 10	20 46	20 47	2 51	12 37	0 3
S 28	9 32	24 28	1 27	14 49	0 51	7 7	0 21	19 44	1 3	13 40	0 58	22 41	0 40	22 28	0 29	20 9	0 29	11 10	17 10	20 46	20 46	2 48	12 36	0 3
S 29	9 11	25 54	2 30	14 51	0 34	7 37	0 25	19 34	1 3	13 43	0 58	22 41	0 39	22 28	0									

SWISS EPHEMERIS for the year 2077

SEPTEMBER 2077

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	22 43 14	9 ^m 13'44	15 ^{ss} 0	21 ⁿ 14	21 ⁿ 52	8 ⁿ 46	9 ^m 51	4 ^r 40	19 ^r 40	27 ^{ss} 51	11 ^r 39	2 ^r 44	2 ^{II} 53	3 ⁿ 41	3 ^r 20
T 2	22 47 11	10 ^o 11'46	29 ^{ss} 55	22 ^o 29	23 ^o 0	9 ^o 24	10 ^o 1	4 ^r 40	19 ^r 39	27 ^{ss} 52	11 ^r 38	2 ^{II} 33	2 ^o 49	3 ^o 48	3 ^r 19
F 3	22 51 7	11 ^o 9'49	15 ^h 6	23 ^o 49	24 ^o 7	10 ^o 2	10 ^o 2	4 ^r 39	19 ^r 38	27 ^{ss} 54	11 ^r 37	2 ^o 22	2 ^o 46	3 ^o 54	3 ^o 17
S 4	22 55 4	12 ^o 7'54	0 ^V 20	25 ^o 15	25 ^o 15	10 ^o 40	10 ^o 20	4 ^r 39	19 ^r 37	27 ^{ss} 56	11 ^r 36	2 ^o 12	2 ^o 43	4 ^o 1	3 ^o 16
S 5	22 59 0	13 ^o 6'00	15 ^o 28	26 ^o 45	26 ^o 23	11 ^o 19	10 ^o 29	4 ^r 38	19 ^r 36	27 ^{ss} 58	11 ^r 35	2 ^o 4	2 ^o 40	4 ^o 8	3 ^o 14
M 6	23 2 57	14 ^o 4'09	0 ^B 20	28 ^o 21	27 ^o 30	11 ^o 57	10 ^o 39	4 ^r 38	19 ^r 35	27 ^{ss} 59	11 ^r 34	1 ^o 59	2 ^o 37	4 ^o 15	3 ^o 13
T 7	23 6 54	15 ^o 2'19	14 ^o 49	29 ^o 59	28 ^o 38	12 ^o 35	10 ^o 49	4 ^r 38	19 ^r 33	28 ^o 1	11 ^r 33	1 ^o 56	2 ^o 33	4 ^o 21	3 ^o 11
W 8	23 10 50	16 ^o 0'32	28 ^{ss} 53	1 ^m 42	29 ^o 45	13 ^o 13	10 ^o 59	4 ^r D38	19 ^r 32	28 ^o 3	11 ^r 32	1 ^o D55	2 ^o 30	4 ^o 28	3 ^o 9
T 9	23 14 47	16 ^o 58'47	12 ^{II} 32	3 ^o 27	0 ^m 52	13 ^o 51	11 ^o 9	4 ^r 38	19 ^r 32	28 ^o 4	11 ^r 31	1 ^o R55	2 ^o 27	4 ^o 35	3 ^o 8
F 10	23 18 43	17 ^o 57'04	25 ^o 48	5 ^o 15	1 ^o 59	14 ^o 29	11 ^o 19	4 ^r 38	19 ^r 31	28 ^o 6	11 ^r 30	1 ^o 55	2 ^o 24	4 ^o 41	3 ^o 6
S 11	23 22 40	18 ^o 55'23	8 ^{ss} 44	7 ^o 4	3 ^o 6	15 ^o 7	11 ^o 29	4 ^r 38	19 ^r 30	28 ^o 7	11 ^r 29	1 ^o 53	2 ^o 21	4 ^o 48	3 ^o 4
S 12	23 26 36	19 ^o 53'44	21 ^o 23	8 ^o 55	4 ^o 13	15 ^o 44	11 ^o 39	4 ^r 39	19 ^r 29	28 ^o 9	11 ^r 28	1 ^o 49	2 ^o 18	4 ^o 55	3 ^o 2
M13	23 30 33	20 ^o 52'07	3 ⁿ 49	10 ^o 47	5 ^o 19	16 ^o 22	11 ^o 49	4 ^r 39	19 ^r 28	28 ^o 10	11 ^r 27	1 ^o 43	2 ^o 14	5 ^o 1	3 ^o 1
T 14	23 34 29	21 ^o 50'32	16 ^o 3	12 ^o 40	6 ^o 26	17 ^o 0	12 ^o 0	4 ^r 40	19 ^r 27	28 ^o 12	11 ^r 26	1 ^o 34	2 ^o 11	5 ^o 8	2 ^o 59
W15	23 38 26	22 ^o 48'59	28 ^o 10	14 ^o 33	7 ^o 32	17 ^o 38	12 ^o 10	4 ^r 40	19 ^r 27	28 ^o 13	11 ^r 25	1 ^o 22	2 ^o 8	5 ^o 15	2 ^o 57
T 16	23 42 23	23 ^o 47'27	10 ^m 11	16 ^o 27	8 ^o 38	18 ^o 15	12 ^o 21	4 ^r 41	19 ^r 26	28 ^o 15	11 ^r 24	1 ^o 10	2 ^o 5	5 ^o 22	2 ^o 55
F 17	23 46 19	24 ^o 45'58	22 ^o 6	18 ^o 20	9 ^o 44	18 ^o 53	12 ^o 32	4 ^r 42	19 ^r 26	28 ^o 16	11 ^r 22	0 ^o 57	2 ^o 2	5 ^o 28	2 ^o 53
S 18	23 50 16	25 ^o 44'31	3 ⁿ 58	20 ^o 14	10 ^o 50	19 ^o 31	12 ^o 43	4 ^r 43	19 ^r 25	28 ^o 18	11 ^r 21	0 ^o 45	1 ^o 59	5 ^o 35	2 ^o 51
S 19	23 54 12	26 ^o 43'05	15 ^o 47	22 ^o 7	11 ^o 55	20 ^o 8	12 ^o 53	4 ^r 44	19 ^r 25	28 ^o 19	11 ^r 20	0 ^o 35	1 ^o 55	5 ^o 42	2 ^o 48
M20	23 58 9	27 ^o 41'42	27 ^o 37	23 ^o 59	13 ^o 1	20 ^o 46	13 ^o 4	4 ^r 45	19 ^r 24	28 ^o 20	11 ^r 19	0 ^o 28	1 ^o 52	5 ^o 48	2 ^o 46
T 21	0 2 5	28 ^o 40'20	9 ^m 29	25 ^o 51	14 ^o 6	21 ^o 23	13 ^o 15	4 ^r 46	19 ^r 24	28 ^o 22	11 ^r 18	0 ^o 23	1 ^o 49	5 ^o 55	2 ^o 44
W22	0 6 2	29 ^o 39'00	21 ^o 26	27 ^o 42	15 ^o 11	22 ^o 1	13 ^o 27	4 ^r 48	19 ^r 23	28 ^o 23	11 ^r 17	0 ^o 21	1 ^o 46	6 ^o 2	2 ^o 42
T 23	0 9 58	0 ⁿ 37'42	3 ^m 32	29 ^o 32	16 ^o 16	22 ^o 38	13 ^o 38	4 ^r 49	19 ^r 23	28 ^o 24	11 ^r 16	0 ^o D20	1 ^o 43	6 ^o 8	2 ^o 40
F 24	0 13 55	1 ^o 36'26	15 ^o 52	1 ⁿ 22	17 ^o 20	23 ^o 16	13 ^o 49	4 ^r 51	19 ^r 23	28 ^o 25	11 ^r 14	0 ^o 21	1 ^o 39	6 ^o 15	2 ^o 37
S 25	0 17 51	2 ^o 35'11	28 ^o 30	3 ^o 10	18 ^o 25	23 ^o 53	14 ^o 0	4 ^r 52	19 ^r 23	28 ^o 26	11 ^r 13	0 ^o R22	1 ^o 36	6 ^o 22	2 ^o 35
S 26	0 21 48	3 ^o 33'58	11 ⁿ 31	4 ^o 58	19 ^o 29	24 ^o 30	14 ^o 12	4 ^r 54	19 ^r 23	28 ^o 28	11 ^r 12	0 ^o 22	1 ^o 33	6 ^o 29	2 ^o 33
M27	0 25 45	4 ^o 32'47	24 ^o 58	6 ^o 45	20 ^o 33	25 ^o 7	14 ^o 23	4 ^r 56	19 ^r 23	28 ^o 29	11 ^r 11	0 ^o 20	1 ^o 30	6 ^o 35	2 ^o 30
T 28	0 29 41	5 ^o 31'37	8 ^{ss} 55	8 ^o 31	21 ^o 37	25 ^o 45	14 ^o 35	4 ^r 58	19 ^r D23	28 ^o 30	11 ^r 10	0 ^o 16	1 ^o 27	6 ^o 42	2 ^o 28
W29	0 33 38	6 ^o 30'29	23 ^o 20	10 ^o 16	22 ^o 40	26 ^o 22	14 ^o 46	5 ^o 0	19 ^r 23	28 ^o 31	11 ^r 9	0 ^o 10	1 ^o 24	6 ^o 49	2 ^o 25
T 30	0 37 34	7 ⁿ 29'23	8 ^h 11	12 ⁿ 0	23 ^m 44	26 ⁿ 59	14 ^m 58	5 ^o 2	19 ^r 23	28 ^o 32	11 ^r 7	0 ^o II 2	1 ^o II 20	6 ⁿ 55	2 ⁿ 23

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁	♁	♁							
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat							
W 1	8n 6	20s53	4s46	14n36	0n12	9s 6	0s38	19n 6	1n 5	13s52	0n57	22s42	0n39	22s28	0s29	20n 7	0s29	11s12	17s11	20n42	20n44	2n36	12n34	0s 3
T 2	7 45	16 10	5 0	14 25	0 25	9 35	0 42	18 56	1 5	13 55	0 57	22 42	0 39	22 28	0 29	20 7	0 29	11 13	17 11	20 40	20 43	2 33	12 34	0 3
F 3	7 23	10 22	4 53	14 10	0 38	10 4	0 46	18 47	1 6	13 58	0 57	22 42	0 39	22 29	0 29	20 6	0 29	11 13	17 11	20 38	20 42	2 30	12 33	0 3
S 4	7 0	3 55	4 26	13 52	0 49	10 33	0 51	18 37	1 6	14 1	0 56	22 42	0 39	22 29	0 29	20 6	0 29	11 14	17 11	20 36	20 42	2 26	12 33	0 3
S 5	6 38	2n43	3 39	13 31	1 0	11 2	0 55	18 27	1 6	14 4	0 56	22 43	0 38	22 29	0 29	20 6	0 29	11 15	17 12	20 34	20 41	2 23	12 32	0 4
M 6	6 16	9 6	2 39	13 8	1 9	11 31	1 0	18 16	1 7	14 7	0 56	22 43	0 38	22 29	0 29	20 5	0 29	11 15	17 12	20 33	20 40	2 20	12 31	0 4
T 7	5 54	14 51	1 29	12 41	1 17	11 59	1 4	18 6	1 7	14 11	0 56	22 43	0 38	22 29	0 29	20 5	0 29	11 16	17 12	20 32	20 40	2 17	12 31	0 4
W 8	5 31	19 39	0 16	12 11	1 25	12 27	1 9	17 56	1 8	14 14	0 56	22 43	0 38	22 29	0 29	20 5	0 29	11 16	17 12	20 32	20 39	2 14	12 30	0 4
T 9	5 8	23 13	0n56	11 39	1 31	12 55	1 13	17 45	1 8	14 17	0 56	22 43	0 38	22 29	0 29	20 4	0 29	11 17	17 12	20 32	20 39	2 11	12 30	0 4
F 10	4 46	25 25	2 3	11 5	1 36	13 22	1 18	17 35	1 9	14 20	0 55	22 43	0 38	22 30	0 29	20 4	0 29	11 17	17 13	20 32	20 38	2 8	12 29	0 4
S 11	4 23	26 10	3 2	10 28	1 41	13 50	1 22	17 24	1 9	14 24	0 55	22 43	0 38	22 30	0 29	20 4	0 29	11 18	17 13	20 32	20 37	2 5	12 28	0 4
S 12	4 0	25 32	3 51	9 50	1 44	14 17	1 27	17 13	1 9	14 27	0 55	22 43	0 37	22 30	0 29	20 3	0 29	11 18	17 13	20 31	20 37	2 2	12 27	0 4
M13	3 37	23 37	4 27	9 10	1 46	14 43	1 31	17 2	1 10	14 30	0 55	22 44	0 37	22 30	0 29	20 3	0 29	11 19	17 13	20 30	20 36	1 59	12 27	0 4
T 14	3 14	20 38	4 51	8 28	1 48	15 10	1 36	16 51	1 10	14 34	0 55	22 44	0 37	22 30	0 29	20 3	0 29	11 19	17 13	20 28	20 35	1 56	12 26	0 4
W15	2 51	16 49	5 1	7 45	1 49	15 36	1 40	16 40	1 11	14 37	0 55	22 44	0 37	22 30	0 29	20 3	0 29	11 20	17 13	20 26	20 35	1 53	12 25	0 4
T 16	2 28	12 21	4 58	7 1	1 49	16 2	1 45	16 29	1 11	14 41	0 54	22 44	0 37	22 30	0 29	20 2	0 29	11 20	17 13	20 23	20 34	1 49	12 25	0 4
F 17	2 5	7 27	4 42	6 16	1 48	16 27	1 50	16 17	1 12	14 44	0 54	22 44	0 37	22 30	0 29	20 2	0 29	11 21	17 13	20 20	20 34	1 46	12 24	0 4
S 18	1 42	2 18	4 13	5 30	1 47	16 53	1 54	16 6	1 12	14 47	0 54	22 44	0 37	22 30	0 29	20 2	0 29	11 22	17 14	20 18	20 33	1 43	12 23	0 5
S 19	1 18	2s55	3 34	4 44	1 45	17 17	1 59	15 55	1 12	14 51	0 54	22 44	0 36	22 30	0 29	20 1	0 29	11 22	17 14	20 16	20 32	1 40	12	

SWISS EPHEMERIS for the year 2077

OCTOBER 2077

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
F 1	0 41 31	8♁28'19	23♂21	13♁43	24♂47	27♂36	15♂10	5♁ 4	19♁23	28♁33	11°R 6	29°R54	1♂17	7♁ 2	2°R20
S 2	0 45 27	9°27'16	8♁39	15°25	25°50	28°13	15°22	5° 6	19°23	28°34	11°Y 5	29°R47	1°14	7° 9	2♁18
S 3	0 49 24	10°26'16	23°56	17° 6	26°52	28°50	15°33	5° 9	19°23	28°35	11° 4	29°41	1°11	7°15	2°15
M 4	0 53 20	11°25'17	8♁59	18°47	27°54	29°27	15°45	5°11	19°23	28°36	11° 3	29°37	1° 8	7°22	2°13
T 5	0 57 17	12°24'21	23°42	20°27	28°56	0♂ 4	15°57	5°14	19°24	28°37	11° 2	29°D35	1° 4	7°29	2°10
W 6	1 1 14	13°23'27	7♂58	22° 5	29°58	0°41	16° 9	5°16	19°24	28°38	11° 0	29°35	1° 1	7°36	2° 7
T 7	1 5 10	14°22'36	21°47	23°44	0♁59	1°18	16°21	5°19	19°25	28°38	10°59	29°37	0°58	7°42	2° 5
F 8	1 9 7	15°21'47	5♁ 9	25°21	2° 0	1°54	16°34	5°22	19°25	28°39	10°58	29°38	0°55	7°49	2° 2
S 9	1 13 3	16°21'00	18° 7	26°57	3° 1	2°31	16°46	5°25	19°26	28°40	10°57	29°R38	0°52	7°56	2° 0
S 10	1 17 0	17°20'16	0♂44	28°33	4° 1	3° 8	16°58	5°28	19°26	28°41	10°56	29°37	0°49	8° 2	1°57
M11	1 20 56	18°19'34	13° 5	0♂ 8	5° 1	3°45	17°10	5°31	19°27	28°41	10°55	29°34	0°45	8° 9	1°54
T 12	1 24 53	19°18'54	25°14	1°42	6° 1	4°21	17°23	5°34	19°28	28°42	10°53	29°30	0°42	8°16	1°51
W13	1 28 49	20°18'16	7♂14	3°16	7° 0	4°58	17°35	5°37	19°28	28°43	10°52	29°23	0°39	8°22	1°49
T 14	1 32 46	21°17'40	19° 8	4°49	7°59	5°34	17°48	5°41	19°29	28°43	10°51	29°16	0°36	8°29	1°46
F 15	1 36 43	22°17'07	0♁59	6°21	8°58	6°11	18° 0	5°44	19°30	28°44	10°50	29° 9	0°33	8°36	1°43
S 16	1 40 39	23°16'36	12°49	7°52	9°56	6°47	18°13	5°48	19°31	28°44	10°49	29° 2	0°30	8°42	1°40
S 17	1 44 36	24°16'06	24°40	9°23	10°53	7°24	18°25	5°51	19°32	28°45	10°48	28°57	0°26	8°49	1°37
M18	1 48 32	25°15'39	6♂34	10°53	11°51	8° 0	18°38	5°55	19°33	28°45	10°47	28°53	0°23	8°56	1°35
T 19	1 52 29	26°15'14	18°33	12°23	12°47	8°36	18°51	5°59	19°34	28°46	10°45	28°51	0°20	9° 3	1°32
W20	1 56 25	27°14'51	0♁38	13°51	13°44	9°13	19° 3	6° 3	19°35	28°46	10°44	28°D50	0°17	9° 9	1°29
T 21	2 0 22	28°14'30	12°52	15°19	14°40	9°49	19°16	6° 7	19°36	28°47	10°43	28°51	0°14	9°16	1°26
F 22	2 4 18	29°14'10	25°19	16°47	15°35	10°25	19°29	6°11	19°37	28°47	10°42	28°53	0°10	9°23	1°23
S 23	2 8 15	0♂13'53	8♁ 1	18°14	16°30	11° 1	19°42	6°15	19°38	28°47	10°41	28°54	0° 7	9°29	1°21
S 24	2 12 12	1°13'37	21° 1	19°39	17°24	11°37	19°54	6°19	19°40	28°48	10°40	28°56	0° 4	9°36	1°18
M25	2 16 8	2°13'23	4♁24	21° 5	18°17	12°13	20° 7	6°23	19°41	28°48	10°39	28°R56	0° 1	9°43	1°15
T 26	2 20 5	3°13'10	18°10	22°29	19°10	12°49	20°20	6°27	19°42	28°48	10°38	28°55	29♁58	9°49	1°12
W27	2 24 1	4°12'59	2♂21	23°53	20° 3	13°25	20°33	6°32	19°44	28°48	10°37	28°53	29°55	9°56	1° 9
T 28	2 27 58	5°12'49	16°55	25°15	20°54	14° 1	20°46	6°36	19°45	28°48	10°36	28°50	29°51	10° 3	1° 6
F 29	2 31 54	6°12'42	1♁48	26°37	21°45	14°36	20°59	6°41	19°47	28°48	10°35	28°47	29°48	10° 9	1° 4
S 30	2 35 51	7°12'36	16°53	27°58	22°36	15°12	21°12	6°45	19°48	28°48	10°33	28°44	29°45	10°16	1° 1
S 31	2 39 47	8♂12'31	2♁ 0	29♂18	23♁25	15♂48	21♂25	6♁50	19♁50	28°R49	10°Y32	28♁42	29♁42	10♁23	0♁58

Day	☉			☽			♀		♁		♂		♃		♅		♁		♁		♁		♁		♁		♁						
	decl	decl	lat	decl	lat	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	3s22	6s57	4s41	4s39	0n50	21s45	2s52	13n31	1n17	15s33	0n52	22s45	0n35	22s30	0s29	19n59	0s29	11s28	17s14	20n 7	20n25	1n 3	12n12	0s 6									
S 2	3 45	0 14	3 59	5 24	0 43	22 4	2 57	13 18	1 18	15 36	0 52	22 45	0 35	22 30	0 29	19 58	0 29	11 28	17 14	20 6	20 24	1 0	12 11	0 6									
S 3	4 8	6n29	3 0	6 9	0 37	22 23	3 1	13 6	1 18	15 40	0 52	22 45	0 35	22 30	0 29	19 58	0 29	11 29	17 14	20 4	20 23	0 57	12 10	0 6									
M 4	4 31	12 46	1 49	6 53	0 30	22 41	3 5	12 53	1 19	15 44	0 52	22 45	0 34	22 30	0 29	19 58	0 29	11 29	17 14	20 4	20 23	0 54	12 9	0 6									
T 5	4 54	18 11	0 32	7 37	0 24	22 59	3 9	12 41	1 19	15 47	0 52	22 45	0 34	22 30	0 29	19 58	0 29	11 30	17 14	20 3	20 22	0 51	12 8	0 6									
W 6	5 17	22 22	0n45	8 20	0 17	23 17	3 13	12 28	1 19	15 51	0 51	22 45	0 34	22 30	0 29	19 58	0 29	11 30	17 14	20 3	20 21	0 47	12 7	0 6									
T 7	5 40	25 7	1 57	9 3	0 10	23 34	3 17	12 15	1 20	15 54	0 51	22 45	0 34	22 30	0 29	19 57	0 29	11 31	17 14	20 4	20 21	0 44	12 6	0 6									
F 8	6 3	26 20	3 0	9 45	0 3	23 50	3 21	12 2	1 20	15 58	0 51	22 45	0 34	22 30	0 29	19 57	0 29	11 31	17 14	20 4	20 20	0 41	12 5	0 6									
S 9	6 26	26 2	3 52	10 27	0s 4	24 6	3 25	11 49	1 20	16 1	0 51	22 45	0 34	22 30	0 29	19 57	0 29	11 32	17 14	20 4	20 19	0 38	12 4	0 6									
S 10	6 48	24 24	4 31	11 8	0 11	24 21	3 29	11 37	1 21	16 5	0 51	22 45	0 34	22 30	0 29	19 57	0 29	11 32	17 14	20 4	20 19	0 35	12 3	0 6									
M11	7 11	21 37	4 57	11 48	0 18	24 36	3 32	11 24	1 21	16 9	0 51	22 45	0 34	22 30	0 29	19 57	0 29	11 32	17 14	20 3	20 18	0 32	12 2	0 6									
T 12	7 33	17 57	5 9	12 27	0 25	24 51	3 36	11 11	1 22	16 12	0 51	22 45	0 33	22 29	0 29	19 57	0 29	11 33	17 14	20 2	20 17	0 29	12 1	0 6									
W13	7 56	13 36	5 7	13 6	0 32	25 5	3 39	10 58	1 22	16 16	0 51	22 45	0 33	22 29	0 29	19 57	0 29	11 33	17 14	20 1	20 17	0 26	12 0	0 7									
T 14	8 18	8 46	4 51	13 44	0 39	25 18	3 43	10 45	1 22	16 19	0 50	22 45	0 33	22 29	0 29	19 56	0 29	11 34	17 14	19 59	20 16	0 22	11 59	0 7									
F 15	8 40	3 38	4 24	14 21	0 46	25 30	3 46	10 31	1 23	16 23	0 50	22 45	0 33	22 29	0 29	19 56	0 29	11 34	17 14	19 58	20 15	0 19	11 58	0 7									
S 16	9 2	1s37	3 45	14 58	0 53	25 43	3 49	10 18	1 23	16 26	0 50	22 45	0 33	22 29	0 29	19 56	0 29	11 34	17 14	19 56	20 15	0 16	11 57	0 7									
S 17	9 24	6 50	2 56	15 33	1 0	25 54	3 53	10 5	1 24	16 30	0 50	22 45	0 33	22 29	0 29	19 56	0 29	11 35	17 14	19 55	20 14	0 13	11 56	0 7									
M18	9 46	11 50	1 59	16 8	1 6	26 5	3 56	9 52	1 24	16 34	0 50	22 45	0 33	22 29	0 28	19 56	0 29	11 35	17 14	19 54	20 13	0 10	11 55	0 7									
T 19	10 8	16 26	0 56	16 42	1 13	26 16	3 58	9 39	1 24	16 37	0 50	22 45	0 33	22 28	0 28	19 56	0 29	11 35	17 14	19 54	20 13	0 7	11 54	0 7									
W20	10 29	20 26	0s10	17 15	1 19	26 26	4 1	9 25	1 25	16 41	0 50	22 45	0 32	22 28	0 28	19 56																	

SWISS EPHEMERIS for the year 2077

NOVEMBER 2077

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	
M 1	2 43 44	9♏12°29'	17♍1	0♋36	24♌14	16♍23	21♎38	6♊55	19♉52	28°R49	10°R31	28°R41	29♋39	10♌30	0°R55
T 2	2 47 41	10°12'29"	1♐46	1°54	25° 2	16°59	21°51	7° 0	19°53	28♌48	10°Y30	28°D40	29°36	10°36	0♌52
W 3	2 51 37	11°12'31"	16°10	3°10	25°49	17°34	22° 5	7° 5	19°55	28°48	10°29	28♌41	29°32	10°43	0°50
T 4	2 55 34	12°12'34"	0♌7	4°24	26°35	18°10	22°18	7°10	19°57	28°48	10°28	28°42	29°29	10°50	0°47
F 5	2 59 30	13°12'40"	13°38	5°37	27°20	18°45	22°31	7°15	19°59	28°48	10°28	28°43	29°26	10°56	0°44
S 6	3 3 27	14°12'48"	26°43	6°48	28° 5	19°21	22°44	7°20	20° 1	28°48	10°27	28°44	29°23	11° 3	0°41
S 7	3 7 23	15°12'58"	9♏26	7°57	28°48	19°56	22°57	7°25	20° 3	28°48	10°26	28°45	29°20	11°10	0°39
M 8	3 11 20	16°13'10"	21°48	9° 4	29°31	20°31	23°10	7°30	20° 5	28°48	10°25	28°R45	29°16	11°16	0°36
T 9	3 15 16	17°13'24"	3♍57	10° 8	0♋12	21° 6	23°24	7°35	20° 7	28°47	10°24	28°45	29°13	11°23	0°33
W10	3 19 13	18°13'40"	15°54	11°10	0°52	21°42	23°37	7°41	20° 9	28°47	10°23	28°43	29°10	11°30	0°31
T 11	3 23 10	19°13'58"	27°46	12° 8	1°31	22°17	23°50	7°46	20°11	28°47	10°22	28°42	29° 7	11°36	0°28
F 12	3 27 6	20°14'18"	9♌36	13° 2	2° 9	22°52	24° 3	7°52	20°13	28°46	10°21	28°41	29° 4	11°43	0°25
S 13	3 31 3	21°14'40"	21°27	13°53	2°46	23°26	24°17	7°57	20°15	28°46	10°20	28°40	29° 1	11°50	0°23
S 14	3 34 59	22°15'03"	3♎21	14°39	3°21	24° 1	24°30	8° 3	20°18	28°45	10°19	28°39	28°57	11°56	0°20
M15	3 38 56	23°15'29"	15°23	15°20	3°55	24°36	24°43	8° 8	20°20	28°45	10°19	28°38	28°54	12° 3	0°18
T 16	3 42 52	24°15'56"	27°32	15°55	4°27	25°11	24°57	8°14	20°22	28°44	10°18	28°D38	28°51	12°10	0°15
W17	3 46 49	25°16'25"	9♌52	16°24	4°58	25°46	25°10	8°20	20°24	28°44	10°17	28°38	28°48	12°17	0°13
T 18	3 50 45	26°16'55"	2°22	16°46	5°28	26°20	25°23	8°26	20°27	28°43	10°16	28°38	28°45	12°23	0°10
F 19	3 54 42	27°17'27"	5♋5	17° 0	5°56	26°55	25°36	8°32	20°29	28°43	10°16	28°39	28°42	12°30	0° 8
S 20	3 58 39	28°18'00"	18° 1	17°R 6	6°22	27°29	25°50	8°37	20°32	28°42	10°15	28°R39	28°38	12°37	0° 5
S 21	4 2 35	29°18'34"	1♌12	17° 2	6°47	28° 3	26° 3	8°43	20°34	28°41	10°14	28°39	28°35	12°43	0° 3
M22	4 6 32	0♌19°10'	14°39	16°48	7°10	28°38	26°16	8°49	20°37	28°41	10°13	28°39	28°32	12°50	0° 0
T 23	4 10 28	1°19'46"	28°22	16°24	7°30	29°12	26°30	8°56	20°39	28°40	10°13	28°D39	28°29	12°57	29°Y58
W24	4 14 25	2°20'24"	12♋22	15°49	7°49	29°46	26°43	9° 2	20°42	28°39	10°12	28°39	28°26	13° 3	29°56
T 25	4 18 21	3°21'03"	26°38	15° 3	8° 6	0♌20	26°56	9° 8	20°45	28°38	10°11	28°39	28°22	13°10	29°54
F 26	4 22 18	4°21'43"	11°Y 7	14° 7	8°21	0°54	27° 9	9°14	20°47	28°38	10°11	28°39	28°19	13°17	29°51
S 27	4 26 14	5°22'24"	25°46	13° 2	8°34	1°28	27°23	9°20	20°50	28°37	10°10	28°40	28°16	13°23	29°49
S 28	4 30 11	6°23'06"	10♋29	11°50	8°45	2° 2	27°36	9°27	20°53	28°36	10°10	28°40	28°13	13°30	29°47
M29	4 34 8	7°23'49"	25°10	10°31	8°53	2°36	27°49	9°33	20°56	28°35	10° 9	28°R41	28°10	13°37	29°45
T 30	4 38 4	8°24'34"	9♏42	9♌9	8♋59	3♌9	28♎2	9♋39	20♋59	28♌34	10°Y 9	28♋41	28♋7	13♌43	29°Y43

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁											
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat							
M 1	14s33	15n53	1 s 4	22s38	2s25	27s42	4s24	6n44	1n29	17s23	0n49	22s44	0n31	22s26	0s28	19n55	0s29	11s39	17s12	19n51	20n 4	0s34	11n40	0s 8
T 2	14 52	20 47	0n17	22 58	2 29	27 45	4 25	6 31	1 30	17 26	0 49	22 44	0 31	22 25	0 28	19 55	0 29	11 39	17 12	19 51	20 3	0 37	11 39	0 8
W 3	15 11	24 17	1 35	23 17	2 33	27 47	4 25	6 17	1 30	17 30	0 49	22 44	0 31	22 25	0 28	19 55	0 29	11 39	17 12	19 52	20 3	0 40	11 38	0 8
T 4	15 30	26 11	2 45	23 34	2 36	27 49	4 25	6 4	1 30	17 33	0 48	22 44	0 31	22 25	0 28	19 55	0 29	11 40	17 11	19 52	20 2	0 43	11 37	0 8
F 5	15 48	26 27	3 44	23 50	2 39	27 50	4 26	5 50	1 31	17 37	0 48	22 43	0 31	22 25	0 28	19 55	0 29	11 40	17 11	19 52	20 1	0 47	11 36	0 8
S 6	16 6	25 12	4 29	24 5	2 41	27 50	4 26	5 37	1 31	17 40	0 48	22 43	0 30	22 24	0 28	19 55	0 29	11 40	17 11	19 52	20 1	0 50	11 35	0 8
S 7	16 24	22 41	4 59	24 18	2 43	27 51	4 25	5 23	1 32	17 44	0 48	22 43	0 30	22 24	0 28	19 55	0 29	11 40	17 11	19 52	20 0	0 53	11 34	0 9
M 8	16 41	19 11	5 14	24 30	2 44	27 50	4 25	5 10	1 32	17 47	0 48	22 43	0 30	22 24	0 28	19 55	0 29	11 40	17 11	19 52	19 59	0 56	11 33	0 9
T 9	16 58	14 57	5 15	24 41	2 45	27 50	4 24	4 56	1 32	17 50	0 48	22 43	0 30	22 23	0 28	19 55	0 29	11 40	17 10	19 52	19 59	0 59	11 32	0 9
W10	17 15	10 12	5 3	24 50	2 45	27 48	4 23	4 43	1 33	17 54	0 48	22 43	0 30	22 23	0 28	19 56	0 29	11 41	17 10	19 52	19 58	1 2	11 31	0 9
T 11	17 32	5 7	4 37	24 57	2 44	27 47	4 21	4 29	1 33	17 57	0 48	22 42	0 30	22 23	0 28	19 56	0 29	11 41	17 10	19 52	19 57	1 5	11 30	0 9
F 12	17 48	0s 8	4 0	25 3	2 43	27 45	4 20	4 16	1 33	18 0	0 48	22 42	0 30	22 22	0 28	19 56	0 29	11 41	17 10	19 51	19 57	1 9	11 29	0 9
S 13	18 4	5 23	3 12	25 7	2 41	27 42	4 18	4 2	1 34	18 4	0 48	22 42	0 30	22 22	0 28	19 56	0 29	11 41	17 9	19 51	19 56	1 12	11 28	0 9
S 14	18 20	10 30	2 16	25 9	2 38	27 39	4 16	3 49	1 34	18 7	0 48	22 42	0 30	22 22	0 28	19 56	0 29	11 41	17 9	19 51	19 55	1 15	11 27	0 9
M15	18 35	15 17	1 13	25 10	2 34	27 35	4 13	3 35	1 35	18 10	0 48	22 41	0 29	22 21	0 28	19 56	0 29	11 41	17 9	19 51	19 54	1 18	11 26	0 9
T 16	18 50	19 30	0 6	25 9	2 28	27 32	4 10	3 22	1 35	18 14	0 48	22 41	0 29	22 21	0 28	19 56	0 29	11 41	17 9	19 51	19 54	1 21	11 25	0 9
W17	19 5	22 56	1s 2	25 6	2 22	27 27	4 7	3 9	1 35	18 17	0 48	22 41	0 29	22 21	0 28	19 56	0 29	11 41	17 8	19 51	19 53	1 24	11 24	0 9
T 18	19 19	25 20	2 8	25 0	2 15	27 22	4 4	2 55	1 36	18 20	0 47	22 41	0 29	22 20	0 28	19 56	0 29	11 41	17 8	19 51	19 52	1 28	11 23	0 9
F 19	19 33	26 29	3 9	24 53	2 6	27 17	4 0	2 42	1 36	18 23	0 47	22 40	0 29	22 20	0 28	19 56	0 29	11 41	17 8	19 51	19 52	1 31	11 22	0 9
S 20	19 46	26 12	4 1	24 43	1 56	27 12	3 56	2 28	1 36	18 26	0 47	22 40	0 29	22 19	0 28	19 56	0 29	11 41	17 8	19 51	19 51	1 34	11 21	0 10
S 21	20 0	24 28	4 42	24 31	1 44	27 6	3 51	2 15	1 37	18 30	0 47	22 40	0 29	22 19	0 28	19 57	0 29	11 41	17 7	19 51	19 50	1 37	11 20	0 10
M22	20 13	21 20	5 8	24 17	1 31	27 0	3 46	2 2	1 37	18 33	0 47	22 40	0 29	22 19	0 28	19 57	0 29	11 41	17 7	19 51	19 50	1 40	11 19	0 10
T 23	20 25	17 0	5 17	24 0	1 16	26 53	3 40	1 49	1 37	18 36	0 47	22 39	0 29	22 18	0 28	19 57	0 29	11 41	17 7	19 51	19 49	1 43	11 18	0 10
W24	20 37	11 40	5 8	23 40	0 59	26 46	3 35	1 35	1 38	18 39	0 47	22 39	0 29	22 18	0 28	19 57	0 29	11 41	17 6	19 51	19 48	1 46	11 17	0 10
T 25	20 49	5 38	4 41	23 17	0 42	26 39	3 28	1 22	1 38	18 42	0 47	22 39	0 28	22 17	0 28	19 57	0 29	11 41	17 6	19 51	19 47	1 50	11 17	0 10
F 26	21 0	0n48	3 54	22 52	0 23	26 31	3 22	1 9	1 39	18 45	0 47	22 38	0 28	22 17	0 28	19 57	0 29	11 41	17 6	19 51	19 47	1 53	11 16	0 10
S 27	21 11	7 16	2 53	22 24	0 3	26 23	3 14	0 56	1 39	18 48	0 47	22 38	0 28	22 17	0 28	19 58	0 29	11 41	17 5	19 51	19 46	1 56	11 15	0 10
S 28	21 22	13 23	1 39	21 55	0n17	26 15	3 7	0 43	1 39	18 51	0 47	22 38	0 28	22 16	0 28	19 58	0 29	11 41	17 5	19 51	19 45	1 59	11 14	0 10
M29	21 32	18 44	0 20	21 24	0 38	26 6	2 59	0 30	1 40	18 54	0 47	22 37	0 28	22 16										

SWISS EPHEMERIS for the year 2077

DECEMBER 2077

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	4 42 1	9♂25'20	23♁59	7°R47	9♁ 3	3♁43	28♁15	9♁46	21♁ 1	28°R33	10°R 8	28°R40	28♁ 3	13♁50	29°R41
T 2	4 45 57	10°26'07	7♁56	6♁26	9°R 4	4°16	28°29	9°52	21° 4	28♁32	10°R 8	28♁39	28° 0	13°57	29°R39
F 3	4 49 54	11°26'55	21°30	5°11	9° 3	4°50	28°42	9°59	21° 7	28°31	10° 7	28°37	27°57	14° 4	29°37
S 4	4 53 50	12°27'45	4♁40	4° 3	9° 0	5°23	28°55	10° 5	21°10	28°30	10° 7	28°35	27°54	14°10	29°35
S 5	4 57 47	13°28'36	17°28	3° 3	8°54	5°57	29° 8	10°12	21°13	28°29	10° 6	28°33	27°51	14°17	29°33
M 6	5 1 44	14°29'29	29°55	2°14	8°45	6°30	29°21	10°18	21°16	28°28	10° 6	28°32	27°48	14°24	29°31
T 7	5 5 40	15°30'22	12♁ 6	1°37	8°34	7° 3	29°34	10°25	21°19	28°27	10° 5	28°D31	27°44	14°30	29°30
W 8	5 9 37	16°31'17	24° 5	1°10	8°21	7°36	29°47	10°32	21°22	28°26	10° 5	28°31	27°41	14°37	29°28
T 9	5 13 33	17°32'14	5♁56	0°55	8° 5	8° 9	0♁ 0	10°38	21°25	28°24	10° 5	28°32	27°38	14°44	29°26
F 10	5 17 30	18°33'11	17°46	0°D51	7°47	8°41	0°13	10°45	21°28	28°23	10° 4	28°34	27°35	14°50	29°24
S 11	5 21 26	19°34'10	29°38	0°57	7°26	9°14	0°26	10°52	21°31	28°22	10° 4	28°36	27°32	14°57	29°23
S 12	5 25 23	20°35'09	11♁36	1°13	7° 4	9°47	0°39	10°59	21°35	28°21	10° 4	28°37	27°28	15° 4	29°21
M13	5 29 19	21°36'10	23°44	1°37	6°39	10°19	0°52	11° 5	21°38	28°19	10° 3	28°R38	27°25	15°10	29°20
T 14	5 33 16	22°37'12	6♁ 4	2° 9	6°12	10°52	1° 5	11°12	21°41	28°18	10° 3	28°38	27°22	15°17	29°18
W15	5 37 13	23°38'14	18°41	2°48	5°43	11°24	1°18	11°19	21°44	28°17	10° 3	28°37	27°19	15°24	29°17
T 16	5 41 9	24°39'18	1♁33	3°33	5°13	11°56	1°31	11°26	21°48	28°16	10° 3	28°34	27°16	15°30	29°16
F 17	5 45 6	25°40'22	14°39	4°24	4°41	12°28	1°43	11°33	21°51	28°14	10° 3	28°30	27°13	15°37	29°14
S 18	5 49 2	26°41'27	27°59	5°20	4° 8	13° 0	1°56	11°40	21°54	28°13	10° 2	28°25	27° 9	15°44	29°13
S 19	5 52 59	27°42'32	11♁33	6°19	3°33	13°32	2° 9	11°47	21°57	28°11	10° 2	28°21	27° 6	15°50	29°12
M20	5 56 55	28°43'37	25°17	7°23	2°58	14° 4	2°21	11°54	22° 1	28°10	10° 2	28°16	27° 3	15°57	29°11
T 21	6 0 52	29°44'43	9♁10	8°30	2°22	14°35	2°34	12° 1	22° 4	28° 9	10° 2	28°13	27° 0	16° 4	29°10
W22	6 4 48	0♁45'49	23°11	9°39	1°46	15° 7	2°46	12° 8	22° 7	28° 7	10° 2	28°12	26°57	16°10	29° 9
T 23	6 8 45	1°46'55	7°R17	10°51	1° 9	15°38	2°59	12°15	22°11	28° 6	10° 2	28°D12	26°54	16°17	29° 8
F 24	6 12 42	2°48'01	21°28	12° 5	0°32	16° 9	3°11	12°22	22°14	28° 4	10°D 2	28°13	26°50	16°24	29° 7
S 25	6 16 38	3°49'08	5♁42	13°22	29♁56	16°40	3°24	12°29	22°18	28° 3	10° 2	28°14	26°47	16°30	29° 6
S 26	6 20 35	4°50'14	19°56	14°39	29°21	17°11	3°36	12°36	22°21	28° 1	10° 2	28°15	26°44	16°37	29° 5
M27	6 24 31	5°51'21	4♁ 8	15°59	28°46	17°42	3°48	12°43	22°25	28° 0	10° 2	28°R15	26°41	16°44	29° 4
T 28	6 28 28	6°52'28	18°14	17°20	28°12	18°13	4° 1	12°50	22°28	27°58	10° 2	28°14	26°38	16°51	29° 4
W29	6 32 24	7°53'35	2♁11	18°42	27°40	18°44	4°13	12°57	22°31	27°57	10° 2	28°10	26°34	16°57	29° 3
T 30	6 36 21	8°54'43	15°53	20° 4	27° 9	19°14	4°25	13° 4	22°35	27°55	10° 3	28° 5	26°31	17° 4	29° 3
F 31	6 40 17	9♁55'50	29♁19	21♁28	26♁40	19♁44	4♁37	13♁11	22♁38	27♁53	10°R 3	27♁57	26♁28	17♁11	29°R 2

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
W 1	21s51	25n33	2n16	20s20	1n17	25s48	2s41	0n 4	1n40	19s 0	0n47	22s36	0n28	22s15	0s28	19n58	0s29	11s41	17s 4	19n51	19n42	2s 9	11n12	0s10
T 2	22 0 26	32 3 21	19 49	1 35	25 38	2 31	0s 9	1 41	19 3	0 47	22 36	0 28	22 14	0 28	19 58	0 29	11 41	17 4	19 51	19 42	2 12	11 11	0 10	
F 3	22 9 25	52 4 13	19 20	1 51	25 28	2 21	0 22	1 41	19 6	0 47	22 36	0 28	22 14	0 28	19 59	0 29	11 41	17 4	19 51	19 42	2 15	11 10	0 10	
S 4	22 17 23	46 4 49	18 54	2 6	25 18	2 11	0 35	1 41	19 9	0 47	22 35	0 28	22 13	0 28	19 59	0 29	11 41	17 3	19 50	19 41	2 18	11 9	0 11	
S 5	22 25 20	31 5 10	18 31	2 18	25 7	1 59	0 48	1 42	19 12	0 47	22 35	0 28	22 13	0 28	19 59	0 29	11 40	17 3	19 50	19 40	2 21	11 9	0 11	
M 6	22 32 16	25 5 16	18 12	2 27	24 56	1 48	1 1	1 42	19 15	0 47	22 34	0 27	22 12	0 28	19 59	0 29	11 40	17 3	19 50	19 40	2 24	11 8	0 11	
T 7	22 39 11	45 5 7	17 57	2 35	24 45	1 36	1 14	1 43	19 18	0 47	22 34	0 27	22 12	0 28	20 0	0 29	11 40	17 2	19 49	19 39	2 28	11 7	0 11	
W 8	22 45 6	43 4 45	17 46	2 40	24 33	1 23	1 26	1 43	19 20	0 47	22 34	0 27	22 12	0 28	20 0	0 29	11 40	17 2	19 49	19 38	2 31	11 7	0 11	
T 9	22 51 1	29 4 11	17 40	2 44	24 21	1 10	1 39	1 43	19 23	0 47	22 33	0 27	22 11	0 28	20 0	0 29	11 40	17 2	19 50	19 37	2 34	11 6	0 11	
F 10	22 56 3	47 3 27	17 37	2 45	24 9	0 57	1 51	1 44	19 26	0 47	22 33	0 27	22 11	0 28	20 0	0 29	11 40	17 1	19 50	19 37	2 37	11 5	0 11	
S 11	23 1 8	57 2 33	17 38	2 46	23 56	0 43	2 4	1 44	19 29	0 46	22 32	0 27	22 10	0 28	20 0	0 29	11 39	17 1	19 50	19 36	2 40	11 5	0 11	
S 12	23 6 13	50 1 33	17 43	2 44	23 43	0 28	2 16	1 44	19 31	0 46	22 32	0 27	22 10	0 28	20 1	0 29	11 39	17 1	19 51	19 35	2 43	11 4	0 11	
M13	23 10 18	16 0 27	17 50	2 42	23 30	0 14	2 29	1 45	19 34	0 46	22 31	0 27	22 9	0 28	20 1	0 29	11 39	17 0	19 51	19 35	2 47	11 3	0 11	
T 14	23 13 21	59 0s41	18 0	2 38	23 16	0n 1	2 41	1 45	19 37	0 46	22 31	0 27	22 9	0 28	20 1	0 29	11 39	17 0	19 51	19 34	2 50	11 3	0 11	
W15	23 17 24	45 1 48	18 12	2 34	23 2	0 16	2 53	1 45	19 39	0 46	22 30	0 27	22 8	0 28	20 1	0 29	11 38	17 0	19 51	19 33	2 53	11 2	0 11	
T 16	23 19 26	16 2 51	18 26	2 28	22 48	0 32	3 6	1 46	19 42	0 46	22 30	0 27	22 7	0 28	20 2	0 29	11 38	16 59	19 50	19 32	2 56	11 2	0 11	
F 17	23 22 26	22 3 46	18 41	2 22	22 34	0 47	3 18	1 46	19 44	0 46	22 29	0 27	22 7	0 28	20 2	0 29	11 38	16 59	19 49	19 32	2 59	11 1	0 11	
S 18	23 23 24	58 4 30	18 57	2 16	22 19	1 3	3 30	1 46	19 47	0 46	22 29	0 26	22 6	0 28	20 2	0 29	11 38	16 58	19 48	19 31	3 2	11 1	0 11	
S 19	23 25 22	6 4 59	19 14	2 9	22 4	1 19	3 42	1 47	19 50	0 46	22 28	0 26	22 6	0 28	20 3	0 29	11 37	16 58	19 47	19 30	3 6	11 0	0 12	
M20	23 25 17	59 5 12	19 32	2 21	21 50	1 34	3 54	1 47	19 52	0 46	22 28	0 26	22 5	0 28	20 3	0 29	11 37	16 58	19 46	19 30	3 9	11 0	0 12	
T 21	23 26 12	52 5 7	19 50	1 54	21 35	1 50	4 6	1 48	19 55	0 46	22 27	0 26	22 5	0 28	20 3	0 29	11 37	16 57	19 45	19 29	3 12	10 59	0 12	
W22	23 26 7	3 4 43	20 8	1 47	21 20	2 5	4 18	1 48	19 57	0 46	22 27	0 26	22 4	0 28	20 3	0 29	11 37	16 57	19 45	19 28	3 15	10 59	0 12	
T 23	23 25 0	50 4 3	20 26	1 39	21 5	2 20	4 29	1 48	19 59	0 46	22 26	0 26	22 4	0 28	20 4	0 29	11 36	16 57	19 45	19 27	3 18	10 59	0 12	
F 24	23 24 2	5n28	3 7	20 44	1 31	20 51	2 35	4 41	1 49	20 2	0 46	22 26	0 26	22 3	0 28	20 4	0 29	11 36	16 56	19 45	19 27	3 21	10 58	0 12
S 25	23 23 11	32 2 0	21 1	1 23	20 36	2 50	4 52	1 49	20 4	0 46	22 25	0 26	22 3	0 28	20 4	0 29	11 36	16 56	19 46	19 26	3 25	10 58	0 12	
S 26	23 21 17	0 0	45 21	19 15	20 22	3 4	5 4	1 49	20 6	0 46	22 24	0 26	22 2	0 28	20 5	0 29	11 35	16 56	19 46	19 25	3 28	10 58	0 12	
M27	23 18 21	29 0n32	21 35	1 7	20 8	3 18	5 15	1 50	20 9	0 46	22 24	0 26	22 1	0 28	20 5	0 29	11 35	16 55	19 46	19 24	3 31	10 57	0 12	
T 28	23 15 24	41 1 47	21 51	0 58	19 54	3 31	5 27	1 50	20 11	0 46	22 23	0 26	22 1	0 28	20 5	0 29	11 34	16 55	19 46	19 24	3 34	10 57	0 12	
W29	23 12 26	18 2 54	22 7	0 50	19 41	3 43	5 38	1 5																