

SWISS EPHEMERIS for the year 1616

JANUARY 1616 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♂
F 1	6 39 54	10°3' 6'15	7°11' 22	22°R10	12°R21	13°23	14°55	19°50	7°R41	3° 4	6°R48	21°R16	22° 2	28°35	9°14
S 2	6 43 51	11° 7'24	19°32	22°D 2	12°D21	14° 9	15° 8	19°52	7°38	3° 4	6°47	21° 3	21°58	28°41	9°19
S 3	6 47 47	12° 8'33	18°35	22° 4	12°23	14°56	15°21	19°53	7°36	3° 4	6°47	20°50	21°55	28°48	9°23
M 4	6 51 44	13° 9'42	13°33	22°14	12°28	15°42	15°33	19°54	7°33	3° 4	6°46	20°36	21°52	28°55	9°27
T 5	6 55 40	14°10'50	25°27	22°32	12°35	16°29	15°46	19°55	7°31	3°R 4	6°46	20°24	21°49	29° 2	9°31
W 6	6 59 37	15°11'58	7°17	22°57	12°44	17°15	15°59	19°57	7°28	3° 4	6°46	20°14	21°46	29° 8	9°36
T 7	7 3 33	16°13'06	19° 6	23°28	12°55	18° 2	16°12	19°59	7°26	3° 4	6°45	20° 6	21°43	29°15	9°40
F 8	7 7 30	17°14'14	0°15	24° 5	13° 9	18°49	16°24	20° 0	7°23	3° 4	6°45	20° 2	21°39	29°22	9°44
S 9	7 11 27	18°15'21	12°52	24°47	13°25	19°35	16°37	20° 2	7°20	3° 4	6°45	20° 0	21°36	29°28	9°49
S 10	7 15 23	19°16'29	24°56	25°34	13°42	20°22	16°49	20° 4	7°18	3° 3	6°45	19°D59	21°33	29°35	9°53
M 11	7 19 20	20°17'35	7°13	26°25	14° 2	21° 9	17° 2	20° 6	7°15	3° 3	6°44	20° 0	21°30	29°42	9°58
T 12	7 23 16	21°18'42	19°48	27°19	14°24	21°56	17°14	20° 8	7°13	3° 3	6°44	20°R 1	21°27	29°48	10° 2
W 13	7 27 13	22°19'49	2°14	28°18	14°47	22°43	17°26	20°11	7°10	3° 3	6°44	20° 0	21°23	29°55	10° 6
T 14	7 31 9	23°20'55	16°12	29°19	15°13	23°29	17°39	20°13	7° 8	3° 2	6°44	19°58	21°20	29°55	10° 6
F 15	7 35 6	24°22'01	0° 7	0°23	15°40	24°16	17°51	20°16	7° 5	3° 2	6°44	19°53	21°17	0° 9	10°15
S 16	7 39 2	25°23'06	14°32	1°29	16° 9	25° 3	18° 3	20°18	7° 3	3° 2	6°43	19°46	21°14	0°15	10°20
S 17	7 42 59	26°24'11	29°23	2°38	16°39	25°50	18°15	20°21	7° 1	3° 1	6°43	19°38	21°11	0°22	10°24
M 18	7 46 56	27°25'16	14°32	3°49	17°11	26°37	18°27	20°24	6°58	3° 1	6°43	19°29	21° 8	0°29	10°29
T 19	7 50 52	28°26'20	29°51	5° 1	17°44	27°24	18°39	20°27	6°56	3° 0	6°43	19°21	21° 4	0°35	10°33
W 20	7 54 49	29°27'23	15° 8	6°16	18°19	28°11	18°51	20°30	6°53	3° 0	6°43	19°15	21° 1	0°42	10°38
T 21	7 58 45	0°28'24	0° 7	7°32	18°55	28°58	19° 3	20°33	6°51	2°59	6°D43	19°12	20°58	0°49	10°43
F 22	8 2 42	1°29'25	14°55	8°49	19°33	29°45	19°15	20°36	6°49	2°59	6°43	19°D10	20°55	0°55	10°47
S 23	8 6 38	2°30'25	29°12	10° 8	20°11	0°32	19°26	20°39	6°47	2°58	6°43	19°10	20°52	1° 2	10°52
S 24	8 10 35	3°31'23	13° 1	11°28	20°51	1°19	19°38	20°43	6°44	2°58	6°43	19°12	20°49	1° 9	10°56
M 25	8 14 31	4°32'20	26°24	12°49	21°32	2° 6	19°50	20°46	6°42	2°57	6°43	19°13	20°45	1°15	11° 1
T 26	8 18 28	5°33'16	9°23	14°11	22°14	2°53	20° 1	20°50	6°40	2°56	6°44	19°R13	20°42	1°22	11° 6
W 27	8 22 25	6°34'11	22° 2	15°35	22°58	3°41	20°12	20°53	6°38	2°55	6°44	19°12	20°39	1°29	11°10
T 28	8 26 21	7°35'04	4°15	16°59	23°42	4°28	20°24	20°57	6°36	2°55	6°44	19° 8	20°36	1°36	11°15
F 29	8 30 18	8°35'56	16°35	18°24	24°27	5°15	20°35	21° 1	6°33	2°54	6°44	19° 3	20°33	1°42	11°19
S 30	8 34 14	9°36'46	28°37	19°51	25°13	6° 2	20°46	21° 5	6°31	2°53	6°44	18°56	20°29	1°49	11°24
S 31	8 38 11	10°37'35	10°32	21°18	26° 1	6°49	20°57	21° 9	6°29	2°52	6°44	18°49	20°26	1°56	11°29

Day	☉		☽		♀		♂		♃		♄		♅		♆		♁		♂					
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat				
F 1	23s 6	26n24	4n52	20s 9	3n 7	17s34	4n48	23s45	0s56	22s 8	0n30	5n25	2s33	23n37	0n21	0n 7	1n28	1s23	16s 3	3s28	3s10	24n32	11s50	6n22
S 2	23 1 28	5 1	20 13	3 2	17 28	4 54	23 41	0 57	22 10	0 30	5 25	2 33	23 37	0 21	0 7	1 28	1 22	16 2	3 33	3 11	24 30	11 49	6 22	
S 3	22 56	28 25	4 56	20 19	2 56	17 28	4 58	23 36	0 57	22 11	0 30	5 26	2 33	23 38	0 21	0 7	1 28	1 22	16 2	3 39	3 13	24 28	11 48	6 22
M 4	22 50	27 24	4 38	20 27	2 50	17 20	5 3	23 31	0 57	22 13	0 30	5 27	2 32	23 38	0 21	0 7	1 28	1 22	16 2	3 44	3 14	24 27	11 47	6 22
T 5	22 44	25 9	4 8	20 35	2 42	17 17	5 6	23 25	0 58	22 14	0 30	5 28	2 32	23 38	0 21	0 7	1 28	1 22	16 1	3 49	3 15	24 25	11 46	6 22
W 6	22 37	21 49	3 27	20 45	2 34	17 15	5 10	23 20	0 58	22 15	0 30	5 28	2 32	23 38	0 21	0 7	1 28	1 22	16 1	3 53	3 16	24 23	11 45	6 21
T 7	22 30	17 36	2 37	20 55	2 25	17 14	5 13	23 14	0 58	22 17	0 30	5 29	2 32	23 38	0 21	0 7	1 28	1 22	16 1	3 56	3 18	24 21	11 44	6 21
F 8	22 23	12 43	1 40	21 5	2 16	17 13	5 15	23 8	0 58	22 18	0 30	5 30	2 31	23 38	0 21	0 8	1 28	1 21	16 0	3 57	3 19	24 19	11 43	6 21
S 9	22 15	7 20	0 38	21 16	2 7	17 13	5 17	23 2	0 59	22 20	0 30	5 31	2 31	23 39	0 21	0 8	1 28	1 21	16 0	3 58	3 20	24 17	11 42	6 21
S 10	22 6	1 37	0s26	21 27	1 58	17 13	5 19	22 55	0 59	22 21	0 30	5 32	2 31	23 39	0 21	0 8	1 28	1 21	16 0	3 58	3 21	24 15	11 42	6 21
M 11	21 57	4s16	1 31	21 38	1 48	17 14	5 20	22 48	0 59	22 22	0 30	5 33	2 30	23 39	0 21	0 8	1 28	1 21	15 59	3 58	3 23	24 13	11 41	6 21
T 12	21 48	10 7	2 33	21 49	1 39	17 16	5 21	22 41	1 0	22 23	0 30	5 34	2 30	23 39	0 21	0 8	1 28	1 20	15 59	3 58	3 24	24 11	11 40	6 20
W 13	21 38	15 43	3 28	22 0	1 29	17 18	5 21	22 34	1 0	22 24	0 29	5 35	2 30	23 39	0 21	0 8	1 28	1 20	15 59	3 58	3 25	24 9	11 39	6 20
T 14	21 28	20 47	4 15	22 10	1 19	17 21	5 21	22 26	1 0	22 26	0 29	5 37	2 30	23 39	0 21	0 8	1 28	1 20	15 58	3 59	3 26	24 7	11 37	6 20
F 15	21 17	24 55	4 48	22 20	1 10	17 24	5 21	22 18	1 0	22 27	0 29	5 38	2 29	23 39	0 21	0 9	1 28	1 20	15 58	4 1	3 28	24 5	11 36	6 20
S 16	21 6	27 38	5 5	22 29	1 0	17 27	5 20	22 10	1 1	22 28	0 29	5 39	2 29	23 40	0 21	0 9	1 28	1 19	15 58	4 4	3 29	24 3	11 35	6 20
S 17	20 55	28 31	5 2	22 37	0 51	17 31	5 20	22 1	1 1	22 29	0 29	5 40	2 29	23 40	0 21	0 9	1 29	1 19	15 57	4 7	3 30	24 1	11 34	6 20
M 18	20 43	27 18	4 37	22 44	0 42	17 35	5 19	21 53	1 1	22 30	0 29	5 42	2 28	23 40	0 21	0 9	1 29	1 19	15 57	4 10	3 32	23 59	11 33	6 20
T 19	20 31	24 2	3 53	22 51	0 33	17 40	5 17	21 44	1 1	22 31	0 29	5 43	2 28	23 40	0 21	0 9	1 29	1 18	15 57	4 13	3 33	23 57	11 32	6 19
W 20	20 19	19 5	2 53	22 57	0 24	17 44	5 16	21 35	1 2	22 32	0 29	5 44	2 28	23 40	0 21	0 10	1 29	1 18	15 56	4 16	3 34	23 55	11 31	6 19
T 21	20 6	12 59	1 40	23 2	0 15	17 49	5 14	21 25	1 2	22 33	0 29	5 46	2 28	23 40	0 21	0 10	1 29	1 18	15 56	4 17	3 35	23 53	11 30	6 19
F 22	19 52	6 18	0 23	23 5	0 7	17 54	5 12	21 15	1 2	22 34	0 29	5 47	2 27	23 40	0 21	0 10	1 29	1 17	15 56	4 18	3 37	23 51	11 29	6 19
S 23	19 39	0n30	0n54	23 8	0s 2	17 59	5 9	21 6	1 2	22 35	0 29	5 49	2 27	23 40	0 21	0 11	1 29	1 17	15 55	4 18	3 38	23 49	11 28	6 19
S 24	19 25	7 5	2 5	23 10	0 10	18 4	5 7	20 55	1 2															

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FEBRUARY 1616 GC

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
M 1	8 42 7	11 ³⁸ 23	22 ²² 24	22 ³⁶ 46	26 ²⁷ 48	7 ³⁶ 36	21 ²⁷ 8	21 ¹⁷ 13	6 ²⁷ 27	2 ⁵¹ 51	6 ⁴⁵ 45	18 ⁴¹ 41	20 ²³ 23	2 ² 2	11 ³³ 33
T 2	8 46 4	12 ³⁹ 10	4 ¹⁵ 15	24 ¹⁵ 15	27 ³⁷ 37	8 ²⁴ 24	21 ¹⁹ 19	21 ¹⁷ 17	6 ²⁵ 25	2 ⁵⁰ 50	6 ⁴⁵ 45	18 ³⁵ 35	20 ²⁰ 20	2 ⁹ 9	11 ³⁸ 38
W 3	8 50 0	13 ³⁹ 55	16 ⁵ 5	25 ⁴⁵ 45	28 ²⁷ 27	9 ¹¹ 11	21 ³⁰ 30	21 ²² 22	6 ²⁴ 24	2 ⁵⁰ 50	6 ⁴⁵ 45	18 ²⁹ 29	20 ¹⁷ 17	2 ¹⁶ 16	11 ⁴² 42
T 4	8 53 57	14 ⁴⁰ 39	27 ⁵⁸ 58	27 ¹⁶ 16	29 ¹⁷ 17	9 ⁵⁸ 58	21 ⁴⁰ 40	21 ²⁶ 26	6 ²² 22	2 ⁴⁹ 49	6 ⁴⁵ 45	18 ²⁵ 25	20 ¹⁴ 14	2 ²² 22	11 ⁴⁷ 47
F 5	8 57 54	15 ⁴¹ 21	9 ⁵⁵ 55	28 ⁴⁷ 47	0 ⁹ 9	10 ⁴⁵ 45	21 ⁵¹ 51	21 ³¹ 31	6 ²⁰ 20	2 ⁴⁸ 48	6 ⁴⁶ 46	18 ²³ 23	20 ¹⁰ 10	2 ²⁹ 29	11 ⁵² 52
S 6	9 1 50	16 ⁴² 02	21 ⁵⁷ 57	0 ¹⁹ 19	1 ⁰ 0	11 ³³ 33	22 ¹ 1	21 ³⁵ 35	6 ¹⁸ 18	2 ⁴⁷ 47	6 ⁴⁶ 46	18 ^{D23} D23	20 ⁷ 7	2 ³⁶ 36	11 ⁵⁶ 56
S 7	9 5 47	17 ⁴² 42	4 ⁹ 9	1 ⁵³ 53	1 ⁵³ 53	12 ²⁰ 20	22 ¹² 12	21 ⁴⁰ 40	6 ¹⁶ 16	2 ⁴⁶ 46	6 ⁴⁶ 46	18 ²⁴ 24	20 ⁴ 4	2 ⁴² 42	12 ¹ 1
M 8	9 9 43	18 ⁴³ 21	16 ³² 32	3 ²⁷ 27	2 ⁴⁶ 46	13 ⁷ 7	22 ²² 22	21 ⁴⁵ 45	6 ¹⁴ 14	2 ⁴⁵ 45	6 ⁴⁷ 47	18 ²⁶ 26	20 ¹ 1	2 ⁴⁹ 49	12 ⁵ 5
T 9	9 13 40	19 ⁴³ 59	29 ¹⁰ 10	5 ² 2	3 ⁴⁰ 40	13 ⁵⁴ 54	22 ³² 32	21 ⁴⁹ 49	6 ¹³ 13	2 ⁴³ 43	6 ⁴⁷ 47	18 ²⁷ 27	19 ⁵⁸ 58	2 ⁵⁶ 56	12 ¹⁰ 10
W10	9 17 36	20 ⁴⁴ 35	12 ⁸ 8	6 ³⁸ 38	4 ³⁵ 35	14 ⁴² 42	22 ⁴² 42	21 ⁵⁴ 54	6 ¹¹ 11	2 ⁴² 42	6 ⁴⁸ 48	18 ²⁹ 29	19 ⁵⁵ 55	3 ² 2	12 ¹⁴ 14
T 11	9 21 33	21 ⁴⁵ 10	25 ²⁷ 27	8 ¹⁴ 14	5 ³⁰ 30	15 ²⁹ 29	22 ⁵² 52	21 ⁵⁹ 59	6 ¹⁰ 10	2 ⁴¹ 41	6 ⁴⁸ 48	18 ^{R29} R29	19 ⁵¹ 51	3 ⁹ 9	12 ¹⁹ 19
F 12	9 25 29	22 ⁴⁵ 44	9 ²¹ 21	9 ⁵² 52	6 ²⁵ 25	16 ¹⁶ 16	23 ² 2	22 ⁴ 4	6 ⁸ 8	2 ⁴⁰ 40	6 ⁴⁹ 49	18 ²⁸ 28	19 ⁴⁸ 48	3 ¹⁶ 16	12 ²⁴ 24
S 13	9 29 26	23 ⁴⁶ 17	23 ²¹ 21	11 ³⁰ 30	7 ²² 22	17 ⁴ 4	23 ¹² 12	22 ¹⁰ 10	6 ⁶ 6	2 ³⁹ 39	6 ⁴⁹ 49	18 ²⁶ 26	19 ⁴⁵ 45	3 ²³ 23	12 ²⁸ 28
S 14	9 33 23	24 ⁴⁶ 49	7 ³⁵ 35	13 ¹⁰ 10	8 ¹⁸ 18	17 ⁵¹ 51	23 ²¹ 21	22 ¹⁵ 15	6 ⁵ 5	2 ³⁸ 38	6 ⁵⁰ 50	18 ²³ 23	19 ⁴² 42	3 ²⁹ 29	12 ³³ 33
M15	9 37 19	25 ⁴⁷ 19	22 ⁴⁸ 48	14 ⁵⁰ 50	9 ¹⁶ 16	18 ³⁸ 38	23 ³¹ 31	22 ²⁰ 20	6 ⁴ 4	2 ³⁶ 36	6 ⁵⁰ 50	18 ²⁰ 20	19 ³⁹ 39	3 ³⁶ 36	12 ³⁷ 37
T 16	9 41 16	26 ⁴⁷ 48	7 ³⁵ 35	16 ³¹ 31	10 ¹³ 13	19 ²⁶ 26	23 ⁴⁰ 40	22 ²⁵ 25	6 ² 2	2 ³⁵ 35	6 ⁵¹ 51	18 ¹⁷ 17	19 ³⁵ 35	3 ⁴³ 43	12 ⁴² 42
W17	9 45 12	27 ⁴⁸ 15	23 ⁴ 4	18 ¹³ 13	11 ¹² 12	20 ¹³ 13	23 ⁵⁰ 50	22 ³¹ 31	6 ¹ 1	2 ³⁴ 34	6 ⁵¹ 51	18 ¹⁴ 14	19 ³² 32	3 ⁴⁹ 49	12 ⁴⁶ 46
T 18	9 49 9	28 ⁴⁸ 40	8 ⁷ 7	19 ⁵⁶ 56	12 ¹⁰ 10	21 ⁰ 0	23 ⁵⁹ 59	22 ³⁶ 36	5 ⁵⁹ 59	2 ³³ 33	6 ⁵² 52	18 ¹³ 13	19 ²⁹ 29	3 ⁵⁶ 56	12 ⁵¹ 51
F 19	9 53 5	29 ⁴⁹ 04	22 ⁵⁶ 56	21 ⁴¹ 41	13 ⁹ 9	21 ⁴⁸ 48	24 ⁸ 8	22 ⁴² 42	5 ⁵⁸ 58	2 ³¹ 31	6 ⁵² 52	18 ^{D13} D13	19 ²⁶ 26	4 ³ 3	12 ⁵⁵ 55
S 20	9 57 2	0 ⁴⁹ 26	7 ²² 22	23 ²⁶ 26	14 ⁹ 9	22 ³⁵ 35	24 ¹⁷ 17	22 ⁴⁸ 48	5 ⁵⁷ 57	2 ³⁰ 30	6 ⁵³ 53	18 ¹⁴ 14	19 ²³ 23	4 ⁹ 9	13 ⁰ 0
S 21	10 0 58	1 ⁴⁹ 46	21 ²³ 23	25 ¹² 12	15 ⁹ 9	23 ²² 22	24 ²⁶ 26	22 ⁵³ 53	5 ⁵⁶ 56	2 ²⁹ 29	6 ⁵⁴ 54	18 ¹⁵ 15	19 ²⁰ 20	4 ¹⁶ 16	13 ⁴ 4
M22	10 4 55	2 ⁵⁰ 04	4 ⁸ 8	26 ⁵⁹ 59	16 ⁹ 9	24 ¹⁰ 10	24 ³⁴ 34	22 ⁵⁹ 59	5 ⁵⁵ 55	2 ²⁷ 27	6 ⁵⁴ 54	18 ¹⁶ 16	19 ¹⁶ 16	4 ²³ 23	13 ⁸ 8
T 23	10 8 52	3 ⁵⁰ 20	18 ⁴ 4	28 ⁴⁷ 47	17 ¹⁰ 10	24 ⁵⁷ 57	24 ⁴³ 43	23 ⁵ 5	5 ⁵⁴ 54	2 ²⁶ 26	6 ⁵⁵ 55	18 ¹⁷ 17	19 ¹³ 13	4 ²⁹ 29	13 ¹³ 13
W24	10 12 48	4 ⁵⁰ 34	0 ¹¹ 48	0 ³⁶ 36	18 ¹⁰ 10	25 ⁴⁴ 44	24 ⁵¹ 51	23 ¹¹ 11	5 ⁵³ 53	2 ²⁴ 24	6 ⁵⁶ 56	18 ^{R18} R18	19 ¹⁰ 10	4 ³⁶ 36	13 ¹⁷ 17
T 25	10 16 45	5 ⁵⁰ 46	13 ¹³ 13	2 ²⁶ 26	19 ¹² 12	26 ³² 32	25 ⁰ 0	23 ¹⁷ 17	5 ⁵² 52	2 ²³ 23	6 ⁵⁷ 57	18 ¹⁸ 18	19 ⁷ 7	4 ⁴³ 43	13 ²¹ 21
F 26	10 20 41	6 ⁵⁰ 55	25 ²³ 23	4 ¹⁷ 17	20 ¹³ 13	27 ¹⁹ 19	25 ⁸ 8	23 ²³ 23	5 ⁵¹ 51	2 ²² 22	6 ⁵⁷ 57	18 ¹⁷ 17	19 ⁴ 4	4 ⁴⁹ 49	13 ²⁶ 26
S 27	10 24 38	7 ⁵¹ 03	7 ²² 22	6 ⁹ 9	21 ¹⁵ 15	28 ⁶ 6	25 ¹⁶ 16	23 ²⁹ 29	5 ⁵⁰ 50	2 ²⁰ 20	6 ⁵⁸ 58	18 ¹⁶ 16	19 ¹ 1	4 ⁵⁶ 56	13 ³⁰ 30
S 28	10 28 34	8 ⁵¹ 09	19 ¹⁴ 14	8 ² 2	22 ¹⁸ 18	28 ⁵⁴ 54	25 ²⁴ 24	23 ³⁵ 35	5 ⁴⁹ 49	2 ¹⁹ 19	6 ⁵⁹ 59	18 ¹⁵ 15	18 ⁵⁷ 57	5 ³ 3	13 ³⁴ 34
M29	10 32 31	9 ⁵¹ 12	1 ¹⁴ 4	9 ⁵⁶ 56	23 ²⁰ 20	29 ⁴¹ 41	25 ³² 32	23 ⁴¹ 41	5 ⁴⁹ 49	2 ¹⁷ 17	7 ⁰ 0	18 ¹³ 13	18 ⁵⁴ 54	5 ¹⁴ 9	13 ³⁹ 39

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	17s20	25n52	4n18	22s40	1s 7	18s47	4n41	19s26	1s 4	22s43	0n29	6n 4	2s25	23n41	0n21	0n14	1n29	1s14	15s52	4s29	3s49	23n30	11s17	6n18
T 2	17 3 22 45	3 37 22 31	1 13 18 52	4 37 19 14	1 4 22 44	0 29 6 5	2 24 23 41	0 21 0 14	1 29 1 13	15 52 4 32	3 50 23 28	11 16 6 18												
W 3	16 46 18 42	2 47 22 20	1 19 18 56	4 33 19 2	1 4 22 44	0 29 6 7	2 24 23 42	0 21 0 14	1 29 1 13	15 51 4 34	3 52 23 26	11 15 6 18												
T 4	16 28 13 55	1 49 22 8	1 24 19 1	4 28 18 49	1 4 22 45	0 29 6 9	2 24 23 42	0 21 0 15	1 29 1 12	15 51 4 35	3 53 23 23	11 14 6 18												
F 5	16 10 8 35	0 46 21 55	1 30 19 5	4 24 18 36	1 4 22 46	0 29 6 11	2 24 23 42	0 21 0 15	1 29 1 12	15 51 4 36	3 54 23 21	11 12 6 18												
S 6	15 52 2 54	0s20	21 40	1 34 19 9	4 20 18 23	1 4 22 46	0 29 6 13	2 23 23 42	0 21 0 16	1 30 1 12	15 50 4 36	3 55 23 19	11 11 6 18											
S 7	15 33 2s57	1 25 21 24	1 39 19 13	4 15 18 10	1 5 22 47	0 29 6 15	2 23 23 42	0 21 0 16	1 30 1 11	15 50 4 36	3 57 23 17	11 10 6 18												
M 8	15 15 8 48	2 28 21 6	1 43 19 17	4 11 17 57	1 5 22 48	0 29 6 17	2 23 23 42	0 21 0 17	1 30 1 11	15 50 4 35	3 58 23 15	11 9 6 18												
T 9	14 56 14 24	3 25 20 47	1 47 19 20	4 6 17 43	1 5 22 48	0 29 6 19	2 23 23 42	0 21 0 17	1 30 1 10	15 49 4 34	3 59 23 13	11 7 6 18												
W10	14 37 19 31	4 13 20 27	1 51 19 24	4 1 17 30	1 5 22 49	0 28 6 21	2 23 23 42	0 21 0 18	1 30 1 10	15 49 4 34	4 0 23 11	11 6 6 18												
T 11	14 17 23 51	4 49 20 5	1 54 19 26	3 57 17 16	1 5 22 50	0 28 6 23	2 22 23 42	0 21 0 18	1 30 1 9	15 49 4 34	4 2 23 8	11 5 6 19												
F 12	13 57 26 59	5 10 19 42	1 57 19 29	3 52 17 2	1 5 22 50	0 28 6 25	2 22 23 42	0 21 0 19	1 30 1 9	15 48 4 34	4 3 23 6	11 4 6 19												
S 13	13 38 28 32	5 13 19 17	2 0 19 31	3 47 16 47	1 5 22 51	0 28 6 27	2 22 23 42	0 21 0 19	1 30 1 8	15 48 4 35	4 4 23 4	11 2 6 19												
S 14	13 17 28 11	4 56 18 51	2 2 19 32	3 42 16 33	1 5 22 51	0 28 6 29	2 22 23 42	0 21 0 20	1 30 1 8	15 48 4 36	4 5 23 2	11 1 6 19												
M15	12 57 25 49	4 20 18 23	2 4 19 34	3 37 16 18	1 5 22 52	0 28 6 31	2 21 23 42	0 21 0 20	1 30 1 7	15 47 4 38	4 7 23 0	11 0 6 19												
T 16	12 37 21 37	3 24 17 54	2 5 19 35	3 32 16 3	1 5 22 52	0 28 6 34	2 21 23 42	0 21 0 21	1 30 1 7	15 47 4 39	4 8 22 58	10 58 6 19												
W17	12 16 15 58	2 14 17 24	2 6 19 35	3 27 15 48	1 5 22 53	0 28 6 36	2 21 23 43	0 21 0 21	1 30 1 6	15 47 4 40	4 9 22 55	10 57 6 19												
T 18	11 55 9 24	0 55 16 52	2 7 19 35	3 21 15 33	1 5 22 53	0 28 6 38	2 21 23 43	0 21 0 22	1 30 1 6	15 46 4 40	4 10 22 53	10 56 6 19												
F 19	11 34 2 25	0n26	16 19	2 7 19 35	3 16 15 18	1 5 22 53	0 28 6 40	2 21 23 43	0 21 0 22	1 30 1 5	15 46 4 40	4 12 22 51	10 55 6 19											
S 20	11 12 4n31	1 44 15 44	2 7 19 34	3 11 15 3	1 5 22 54	0 28 6 43	2 20 23 43	0 21 0 23	1 30 1 5	15 46 4 40	4 13 22 49	10 53 6 19												
S 21	10 51 11 2	2 53 15 8	2 6 19 33	3 6 14 47	1 5 22 54	0 28 6 45	2 20 23 43	0 21 0 23	1 30 1 4	15 45 4 39	4 14 22 46	10 52 6 19												
M22	10 29 16 49	3 51 14 30	2 5 19 32	3 0 14 31	1 5 22 55	0 28 6 47	2 20 23 43	0 21 0 24	1 30 1 4	15 45 4 39	4 15 22 44	10 51 6 19												
T 23	10 7 21 38	4 34 13 51	2 3 19 30	2 55 14 15	1 5 22 55	0 28 6 50	2 20 23 43	0 21 0 25	1 30 1 3	15 45 4 38	4 17 22 42	10 49 6 19												
W24	9 45 25 17	5 2 13 10	2 1 19 27	2 50 13 59	1 5 22 55																			

SWISS EPHEMERIS for the year 1616

MARCH 1616 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	10 36 27	10 ^h 51'14"	12 ^h 05'54"	11 ^h 51'	24 ^h 23'	0 ^h 28'	25 ^h 39'	23 ^h 48'	5°R48	2°R16	7 ^h 0'	18°R12	18 ^h 51'	5 ^h 01'	13 ^h 43'
W 2	10 40 24	11°51'13"	24 ^h 47'	13°47'	25°26'	1°15'	25°47'	23°54'	5°D47	2°D14	7° 1	18°R11	18°48'	5°23'	13°47'
T 3	10 44 21	12°51'10"	6 ^h 46'	15°43'	26°30'	2° 3	25°54'	24° 0	5°47'	2°13'	7° 2	18°11	18°45'	5°30'	13°51'
F 4	10 48 17	13°51'06"	18°52'	17°40'	27°33'	2°50'	26° 2	24° 7	5°46'	2°11'	7° 3	18°D11	18°41'	5°36'	13°55'
S 5	10 52 14	14°50'59"	1 ^h 8'	19°38'	28°37'	3°37'	26° 9	24°13'	5°46'	2° 9	7° 4	18°11	18°38'	5°43'	13°59'
S 6	10 56 10	15°50'51"	13°34'	21°36'	29°42'	4°24'	26°16'	24°20'	5°45'	2° 8	7° 5	18°11	18°35'	5°50'	14° 3
M 7	11 0 7	16°50'40"	26°13'	23°34'	0 ^h 46'	5°12'	26°22'	24°27'	5°45'	2° 6	7° 6	18°11	18°32'	5°56'	14° 7
T 8	11 4 3	17°50'28"	9 ^h 5'	25°33'	1°51'	5°59'	26°29'	24°33'	5°44'	2° 5	7° 7	18°R11	18°29'	6° 3	14°12
W 9	11 8 0	18°50'15"	22°13'	27°31'	2°56'	6°46'	26°36'	24°40'	5°44'	2° 3	7° 8	18°11	18°26'	6°10'	14°15
T 10	11 11 56	19°49'59"	5 ^h 37'	29°28'	4° 1	7°33'	26°42'	24°47'	5°44'	2° 2	7° 9	18°11	18°22'	6°16'	14°19
F 11	11 15 53	20°49'42"	19°18'	1 ^h 25'	5° 6	8°20'	26°48'	24°53'	5°44'	2° 0	7°10	18°D11	18°19'	6°23'	14°23
S 12	11 19 50	21°49'23"	3 ^h 17'	3°21'	6°12'	9° 8	26°54'	25° 0	5°44'	1°58'	7°11	18°11	18°16'	6°30'	14°27
S 13	11 23 46	22°49'03"	17°33'	5°15'	7°17'	9°55'	27° 0	25° 7	5°44'	1°57'	7°12	18°11	18°13'	6°36'	14°31
M14	11 27 43	23°48'41"	2 ^h 4	7° 7	8°23'	10°42'	27° 6	25°14'	5°D44	1°55'	7°13	18°12	18°10'	6°43'	14°35
T 15	11 31 39	24°48'17"	16°46'	8°57'	9°29'	11°29'	27°11'	25°21'	5°44'	1°53'	7°14	18°12	18° 7	6°50'	14°39
W16	11 35 36	25°47'51"	1 ^h 32'	10°44'	10°36'	12°16'	27°17'	25°28'	5°44'	1°52'	7°15	18°13	18° 3	6°56'	14°42
T 17	11 39 32	26°47'23"	16°17'	12°27'	11°42'	13° 3	27°22'	25°35'	5°44'	1°50'	7°16	18°R13	18° 0	7° 3	14°46
F 18	11 43 29	27°46'53"	0 ^h 54'	14° 7	12°49'	13°50'	27°27'	25°42'	5°44'	1°49'	7°17	18°13	17°57'	7°10'	14°50
S 19	11 47 25	28°46'21"	15°15'	15°43'	13°55'	14°37'	27°32'	25°49'	5°44'	1°47'	7°18	18°12	17°54'	7°16'	14°53
S 20	11 51 22	29°45'47"	29°16'	17°15'	15° 2	15°24'	27°37'	25°57'	5°45'	1°45'	7°19	18°11	17°51'	7°23'	14°57
M21	11 55 19	0 ^h 45'10"	12 ^h 53'	18°41'	16° 9	16°11'	27°42'	26° 4	5°45'	1°44'	7°20	18° 9	17°47'	7°30'	15° 1
T 22	11 59 15	1°44'32"	26° 7	20° 2	17°17'	16°58'	27°46'	26°11'	5°45'	1°42'	7°21	18° 8	17°44'	7°36'	15° 4
W23	12 3 12	2°43'51"	8 ^h 57'	21°18'	18°24'	17°45'	27°50'	26°18'	5°46'	1°40'	7°22	18° 6	17°41'	7°43'	15° 8
T 24	12 7 8	3°43'08"	21°56'	22°27'	19°31'	18°32'	27°54'	26°26'	5°47'	1°39'	7°24	18° 5	17°38'	7°50'	15°11
F 25	12 11 5	4°42'22"	3 ^h 38'	23°30'	20°39'	19°19'	27°58'	26°33'	5°47'	1°37'	7°25	18°D 5	17°35'	7°56'	15°14
S 26	12 15 1	5°41'35"	15°38'	24°27'	21°47'	20° 6	28° 2	26°40'	5°48'	1°35'	7°26	18° 5	17°32'	8° 3	15°18
S 27	12 18 58	6°40'45"	27°31'	25°17'	22°55'	20°52'	28° 5	26°48'	5°48'	1°34'	7°27	18° 6	17°28'	8°10'	15°21
M28	12 22 54	7°39'52"	9 ^h 02'	26° 1	24° 3	21°39'	28° 9	26°55'	5°49'	1°32'	7°28	18° 7	17°25'	8°16'	15°24
T 29	12 26 51	8°38'57"	21°11'	26°37'	25°11'	22°26'	28°12'	27° 2	5°50'	1°30'	7°29	18° 9	17°22'	8°23'	15°27
W30	12 30 48	9°38'00"	3 ^h 8'	27° 7	26°19'	23°13'	28°15'	27°10'	5°51'	1°29'	7°31	18°10	17°19'	8°30'	15°30
T 31	12 34 44	10°37'01"	15 ^h 13'	27°30'	27°27'	23°59'	28°18'	27°17'	5°52'	1°27'	7°32	18°R11	17°16'	8°37'	15°34

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	7s31	19n55	3n 3	8s38	1s37	19s 2	2n17	12s21	1s 5	22s57	0n28	7n 7	2s19	23n43	0n21	0n29	1n30	1s 0	15s43	4s41	4s25	22n26	10s40	6n20
W 2	7 8 15	16 2 6	7 48	1 32	18 56	2 12	12 4	1 5	22 57	0 28	7 9	2 18	23 43	0 21	0 29	1 30	0 59	15 42	4 41	4 27	22 24	10 39	6 20	
T 3	6 45 10	1 3	6 57	1 25	18 50	2 7	11 47	1 5	22 58	0 28	7 12	2 18	23 43	0 21	0 30	1 30	0 59	15 42	4 41	4 28	22 22	10 37	6 21	
F 4	6 22 4 21	0s 4	6 5	1 18	18 43	2 1	11 30	1 5	22 58	0 28	7 14	2 18	23 43	0 21	0 31	1 30	0 58	15 42	4 41	4 29	22 19	10 36	6 21	
S 5	5 59 1s32	1 11	5 12	1 11	18 35	1 56	11 12	1 5	22 58	0 28	7 17	2 18	23 43	0 21	0 31	1 30	0 58	15 42	4 41	4 30	22 17	10 35	6 21	
S 6	5 36 7 28	2 16	4 18	1 2	18 27	1 51	10 55	1 5	22 58	0 28	7 19	2 18	23 43	0 21	0 32	1 31	0 57	15 41	4 41	4 31	22 15	10 33	6 21	
M 7	5 12 13 11	3 16	3 23	0 54	18 19	1 45	10 38	1 5	22 59	0 28	7 22	2 18	23 43	0 21	0 33	1 31	0 57	15 41	4 41	4 33	22 12	10 32	6 21	
T 8	4 49 18 27	4 7	2 27	0 44	18 10	1 40	10 20	1 4	22 59	0 28	7 24	2 17	23 43	0 21	0 33	1 31	0 56	15 41	4 41	4 34	22 10	10 31	6 22	
W 9	4 26 22 57	4 46	1 31	0 35	18 1	1 35	10 3	1 4	22 59	0 28	7 27	2 17	23 43	0 21	0 34	1 31	0 56	15 41	4 41	4 35	22 8	10 30	6 22	
T 10	4 2 26 22	5 10	0 35	0 24	17 51	1 30	9 45	1 4	22 59	0 28	7 29	2 17	23 43	0 21	0 35	1 31	0 55	15 40	4 41	4 36	22 5	10 28	6 22	
F 11	3 39 28 20	5 17	0n22	0 13	17 40	1 24	9 27	1 4	22 59	0 28	7 32	2 17	23 43	0 21	0 35	1 31	0 54	15 40	4 41	4 38	22 3	10 27	6 22	
S 12	3 15 28 33	5 7	1 18	0 2	17 29	1 19	9 9	1 4	23 0	0 28	7 35	2 17	23 43	0 21	0 36	1 31	0 54	15 40	4 41	4 39	22 1	10 26	6 22	
S 13	2 51 26 55	4 37	2 14	0n 9	17 18	1 14	8 51	1 4	23 0	0 28	7 37	2 17	23 43	0 21	0 37	1 31	0 53	15 40	4 41	4 40	21 58	10 24	6 23	
M14	2 28 23 28	3 49	3 9	0 21	17 6	1 9	8 33	1 4	23 0	0 28	7 40	2 17	23 43	0 21	0 37	1 31	0 53	15 39	4 41	4 41	21 56	10 23	6 23	
T 15	2 4 18 29	2 46	4 4	0 34	16 53	1 4	8 15	1 4	23 0	0 28	7 43	2 16	23 43	0 21	0 38	1 31	0 52	15 39	4 40	4 43	21 54	10 22	6 23	
W16	1 40 12 22	1 31	4 57	0 46	16 40	0 59	7 57	1 3	23 0	0 28	7 45	2 16	23 43	0 21	0 39	1 31	0 52	15 39	4 40	4 44	21 51	10 20	6 23	
T 17	1 17 5 35	0 11	5 50	0 58	16 27	0 54	7 39	1 3	23 0	0 28	7 48	2 16	23 43	0 21	0 39	1 31	0 51	15 39	4 40	4 45	21 49	10 19	6 24	
F 18	0 53 1n25	1n10	6 40	1 11	16 13	0 49	7 20	1 3	23 0	0 28	7 51	2 16	23 43	0 21	0 40	1 31	0 51	15 38	4 40	4 46	21 47	10 18	6 24	
S 19	0 29 8 14	2 24	7 29	1 23	15 59	0 44	7 2	1 3	23 1	0 28	7 53	2 16	23 43	0 21	0 41	1 31	0 50	15 38	4 40	4 48	21 44	10 17	6 24	
S 20	0 6 14 29	3 28	8 15	1 35	15 44	0 39	6 44	1 3	23 1	0 28	7 56	2 16	23 43	0 21	0 41	1 31	0 50	15 38	4 41	4 49	21 42	10 15	6 24	
M21	0n18 19 51	4 19	8 59	1 47	15 29	0 35	6 25	1 2	23 1	0 28	7 59	2 16	23 43	0 21	0 42	1 31	0 49	15 38	4 42	4 50	21 39	10 14	6 25	
T 22	0 42 24 4	4 53	9 41	1 59	15 13	0 30	6 7	1 2	23 1	0 28	8 1	2 16	23 43	0 21	0 43	1 31	0 48	15 38	4 42	4 51	21 37	10 13	6 25	
W23	1 5 26 59	5 12	10 20	2 10	14 57	0 25	5 48	1 2	23 1	0 28	8 4	2 15	23 43	0 21	0 43	1 31	0 48	15 37	4 43	4 53	21 35	10 12	6 25	
T 24	1 29 28 28	5 16	10 56	2 20	14 40	0 21	5 30	1 2	23 1	0 27	8 7	2 15	23 43	0 21	0 44	1 31	0 47	15 37	4 43	4 54	21 32	10 10	6 25	
F 25	1 52 28 31	5 11	11 28	2 30	14 23	0 16	5 11	1 2	23 1	0 27	8 10	2 15	23 43	0 21	0 45	1 31	0 47	15 37	4 43	4 55	21 30	10 9	6 26	
S 26	2 16 27 13	4 41	11 58	2 39	14 6	0 11	4 52	1 1	23 1	0 27	8 12	2 15	23 43	0 21	0 45	1 31	0 46	15 37	4 43	4 56	21 27	10 8	6 26	
S 27	2 39 24 42	4 5	12 24	2 47	13 48	0 7	4 34	1 1	23 1	0 27	8 15	2 15	23 43	0 21	0 46	1 31	0 46	15 37	4 43	4 58	21 25	10 7	6 26	
M28	3 3 21 9	3 18	12 47	2 55	13 30	0 3	4 15	1 1	23 1	0 27	8 18	2 15	23 43	0 21	0 47	1 31	0 45	15 36	4 42	4 59	21 23	10 5	6 27	
T 29	3 26 16 44	2 24	13 6	3 1	13 11	0s 2	3 56	1 1	23 1	0 27	8 21	2 15	23 43											

SWISS EPHEMERIS for the year 1616

MAY 1616 GC

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	14 36 57	10♌50'48	1♍33	18♋4	3♊26	17♋49	28♋14	1♌14	6♌44	0♋42	8♌13	16♋58	15♌37	12♌3	16♌43	
M 2	14 40 54	11°48'48	14°56	18°27	4°37	18°34	28♌11	1°22	6°46	0♌41	8°14	16♌50	15°34	12°10	16°44	
T 3	14 44 50	12°46'46	28°37	18°55	5°48	19°20	28° 8	1°29	6°49	0°40	8°16	16°41	15°31	12°17	16°45	
W 4	14 48 47	13°44'44	12♌31	19°26	6°59	20° 5	28° 4	1°37	6°51	0°39	8°17	16°32	15°28	12°23	16°46	
T 5	14 52 43	14°42'39	26°36	20° 2	8° 9	20°50	28° 1	1°45	6°54	0°38	8°18	16°23	15°24	12°30	16°47	
F 6	14 56 40	15°40'34	10♌34	20°41	9°20	21°36	27°57	1°52	6°56	0°37	8°20	16°17	15°21	12°37	16°48	
S 7	15 0 37	16°38'27	24°59	21°24	10°31	22°21	27°53	2° 0	6°59	0°36	8°21	16°13	15°18	12°43	16°49	
S 8	15 4 33	17°36'19	9♌11	22°11	11°42	23° 6	27°49	2° 7	7° 1	0°35	8°22	16°11	15°15	12°50	16°50	
M 9	15 8 30	18°34'09	23°20	23° 2	12°53	23°51	27°45	2°15	7° 4	0°34	8°24	16°D11	15°12	12°57	16°51	
T 10	15 12 26	19°31'59	7♌25	23°55	14° 4	24°36	27°40	2°22	7° 7	0°33	8°25	16°11	15° 9	13° 3	16°52	
W 11	15 16 23	20°29'47	21°24	24°52	15°15	25°21	27°36	2°30	7°10	0°32	8°26	16°R11	15° 5	13°10	16°52	
T 12	15 20 19	21°27'34	5♋18	25°52	16°26	26° 6	27°31	2°37	7°12	0°31	8°28	16°10	15° 2	13°17	16°53	
F 13	15 24 16	22°25'19	19° 4	26°55	17°37	26°51	27°26	2°45	7°15	0°30	8°29	16° 6	14°59	13°23	16°54	
S 14	15 28 12	23°23'04	2♌41	28° 1	18°48	27°36	27°21	2°52	7°18	0°29	8°30	16° 0	14°56	13°30	16°54	
S 15	15 32 9	24°20'47	16° 6	29°10	19°59	28°21	27°16	2°59	7°21	0°28	8°32	15°51	14°53	13°37	16°55	
M 16	15 36 6	25°18'30	29°18	0♌22	21°11	29° 6	27°11	3° 7	7°24	0°27	8°33	15°40	14°50	13°43	16°55	
T 17	15 40 2	26°16'11	12♌15	1°36	22°22	29°50	27° 5	3°14	7°27	0°27	8°34	15°28	14°46	13°50	16°55	
W 18	15 43 59	27°13'50	24°55	2°53	23°33	0♌35	27° 0	3°21	7°30	0°26	8°36	15°16	14°43	13°57	16°56	
T 19	15 47 55	28°11'28	7♌20	4°13	24°45	1°20	26°54	3°28	7°32	0°25	8°37	15° 6	14°40	14° 3	16°56	
F 20	15 51 52	29° 9'05	19°30	5°35	25°56	2° 4	26°48	3°36	7°35	0°24	8°38	14°57	14°37	14°10	16°56	
S 21	15 55 48	0♌64'1	1♌30	7° 0	27° 7	2°49	26°42	3°43	7°39	0°24	8°40	14°52	14°34	14°17	16°R56	
S 22	15 59 45	1° 4'15	13°21	8°28	28°19	3°33	26°36	3°50	7°42	0°23	8°41	14°48	14°30	14°23	16°56	
M 23	16 3 42	2° 1'47	25°10	9°58	29°30	4°17	26°30	3°57	7°45	0°23	8°42	14°47	14°27	14°30	16°56	
T 24	16 7 38	2°59'18	7♌1	11°30	0♌42	5° 2	26°23	4° 4	7°48	0°22	8°43	14°D47	14°24	14°37	16°56	
W 25	16 11 35	3°56'48	19° 0	13° 5	1°53	5°46	26°17	4°11	7°51	0°21	8°45	14°R47	14°21	14°43	16°55	
T 26	16 15 31	4°54'16	1♌13	14°42	3° 5	6°30	26°10	4°18	7°54	0°21	8°46	14°46	14°18	14°50	16°55	
F 27	16 19 28	5°51'43	13°43	16°22	4°16	7°14	26° 3	4°25	7°57	0°20	8°47	14°43	14°15	14°57	16°55	
S 28	16 23 24	6°49'09	26°35	18° 5	5°28	7°58	25°57	4°32	8° 0	0°20	8°48	14°38	14°11	15° 3	16°54	
S 29	16 27 21	7°46'34	9♌51	19°49	6°39	8°42	25°50	4°39	8° 4	0°20	8°50	14°30	14° 8	15°10	16°54	
M 30	16 31 17	8°43'58	23°31	21°37	7°51	9°26	25°43	4°46	8° 7	0°19	8°51	14°20	14° 5	15°17	16°53	
T 31	16 35 14	9♌41'21	7♌33	23♌26	9♌3	10♌10	25♌36	4♌53	8♌10	0♌19	8♌52	14♌9	14♌2	15♌23	16♌53	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	15n 7	15s24	3s35	4n47	2s31	0s 8	1s39	6n15	0s49	23s 3	0n26	9n50	2s14	23n40	0n21	1n 6
M 2	15 25	20 29	4 19	4 48	2 39	0n18	1 40	6 33	0 48	23 3	0 26	9 53	2 14	23 40	0 21	1 6
T 3	15 42	24 36	4 50	4 51	2 47	0 45	1 42	6 51	0 48	23 3	0 26	9 56	2 14	23 40	0 21	1 7
W 4	16 0 27	22 5 4	4 57	2 53	1 12	1 43	7 8	0 47	23 3	0 26	9 58	2 14	23 39	0 21	1 7	
T 5	16 17	28 27	5 0	5 5	2 59	1 39	1 44	7 26	0 47	23 3	0 26	10 1	2 14	23 39	0 21	1 8
F 6	16 34	27 40	4 38	5 15	3 4	2 6	1 45	7 43	0 46	23 3	0 26	10 3	2 14	23 39	0 21	1 8
S 7	16 51	25 5	3 58	5 27	3 8	2 33	1 46	8 1	0 46	23 3	0 26	10 6	2 14	23 39	0 21	1 9
S 8	17 7 20	57 3 4	5 42	3 12	2 59	1 47	8 18	0 45	23 3	0 26	10 8	2 14	23 39	0 21	1 9	
M 9	17 23	15 38	1 59	5 58	3 14	3 26	1 48	8 35	0 45	23 3	0 26	10 11	2 14	23 39	0 21	1 9
T 10	17 39	9 32	0 47	6 16	3 16	3 53	1 49	8 52	0 44	23 3	0 25	10 13	2 14	23 39	0 21	1 10
W 11	17 55	2 59	0n28	6 36	3 17	4 20	1 49	9 9	0 44	23 3	0 25	10 16	2 14	23 38	0 21	1 10
T 12	18 10	3n38	1 40	6 57	3 17	4 47	1 50	9 26	0 43	23 3	0 25	10 18	2 14	23 38	0 21	1 10
F 13	18 25	10 2	2 46	7 20	3 17	5 14	1 50	9 43	0 43	23 3	0 25	10 21	2 14	23 38	0 21	1 11
S 14	18 40	15 53	3 41	7 45	3 16	5 40	1 51	9 59	0 42	23 3	0 25	10 23	2 14	23 38	0 21	1 11
S 15	18 54	20 53	4 23	8 11	3 14	6 7	1 51	10 16	0 42	23 3	0 25	10 26	2 14	23 38	0 21	1 11
M 16	19 8 24	45 4 50	8 38	3 12	6 33	1 51	10 32	0 41	23 3	0 25	10 28	2 14	23 38	0 21	1 12	
T 17	19 22	27 17	5 1	9 6	3 9	7 0	1 52	10 49	0 40	23 3	0 25	10 31	2 14	23 37	0 21	1 12
W 18	19 35	28 21	4 58	9 36	3 5	7 26	1 52	11 5	0 40	23 3	0 25	10 33	2 14	23 37	0 21	1 12
T 19	19 48	27 57	4 40	10 7	3 1	7 52	1 52	11 21	0 39	23 3	0 25	10 36	2 15	23 37	0 21	1 12
F 20	20 1 26	11 4	9 10	39 2	5 6	8 18	1 51	11 37	0 39	23 2	0 25	10 38	2 15	23 37	0 21	1 13
S 21	20 13	23 15	3 28	11 12	2 50	8 44	1 51	11 52	0 38	23 2	0 25	10 40	2 15	23 37	0 21	1 13
S 22	20 25	19 23	2 39	11 46	2 44	9 10	1 51	12 8	0 38	23 2	0 25	10 43	2 15	23 37	0 21	1 13
M 23	20 37	14 46	1 42	12 20	2 38	9 36	1 51	12 24	0 37	23 2	0 24	10 45	2 15	23 36	0 21	1 13
T 24	20 48	9 35	0 41	12 56	2 30	10 1	1 50	12 39	0 37	23 2	0 24	10 47	2 15	23 36	0 21	1 13
W 25	20 59	4 1	0s22	13 32	2 23	10 26	1 50	12 54	0 36	23 2	0 24	10 49	2 15	23 36	0 21	1 14
T 26	21 10	1s48	1 26	14 8	2 15	10 51	1 49	13 10	0 35	23 2	0 24	10 52	2 15	23 36	0 21	1 14
F 27	21 20	7 41	2 27	14 45	2 6	11 16	1 49	13 25	0 35	23 2	0 24	10 54	2 15	23 36	0 21	1 14
S 28	21 30	13 25	3 22	15 22	1 57	11 41	1 48	13 39	0 34	23 2	0 24	10 56	2 15	23 35	0 21	1 14
S 29	21 39	18 43	4 8	16 0	1 48	12 5	1 47	13 54	0 34	23 2	0 24	10 58	2 15	23 35	0 21	1 14
M 30	21 48	23 13	4 41	16 37	1 38	12 29	1 46	14 9	0 33	23 2	0 24	11 1	2 16	23 35	0 21	1 14
T 31	21n57	26s31	4s58	17n15	1s28	12n53	1s45	14n23	0s32	23s 2	0n24	11n 3	2s16	23n35	0n21	1n14

Julian Day Number = 2311412.5, Delta T = 121.18 sec
 Ecliptic obliquity = 23°29'30, Nutation = 0°00'03
 Ayanamsha: Fagan/Bradley = 19°23'08, Lahiri = 18°30'08Greg. Calendar

SWISS EPHEMERIS for the year 1616

JUNE 1616 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
W 1	16 39 11	10II38'43	21♌53	25♋18	10♋14	10♋54	25°R29	5♋ 0	8♋14	0°R18	8♋53	13°R58	13♋59	15♌30	16°R52							
T 2	16 43 7	11°36'04	6♋24	27°12	11°26	11°38	25♌22	5° 6	8°17	0♌18	8°54	13♋47	13°56	15°37	16♌51							
F 3	16 47 4	12°33'24	21° 0	29° 9	12°38	12°22	25°14	5°13	8°20	0°18	8°56	13°39	13°52	15°43	16°51							
S 4	16 51 0	13°30'44	5♌33	1II 8	13°50	13° 5	25° 7	5°20	8°24	0°18	8°57	13°33	13°49	15°50	16°50							
S 5	16 54 57	14°28'03	19°59	3° 9	15° 2	13°49	25° 0	5°26	8°27	0°17	8°58	13°30	13°46	15°57	16°49							
M 6	16 58 53	15°25'22	4♌15	5°11	16°13	14°33	24°52	5°33	8°30	0°17	8°59	13°29	13°43	16° 3	16°48							
T 7	17 2 50	16°22'41	18°18	7°16	17°25	15°16	24°45	5°39	8°34	0°17	9° 0	13°29	13°40	16°10	16°47							
W 8	17 6 46	17°19'59	2♀ 8	9°23	18°37	16° 0	24°37	5°46	8°37	0°17	9° 1	13°29	13°36	16°17	16°46							
T 9	17 10 43	18°17'16	15°46	11°31	19°49	16°43	24°30	5°52	8°41	0°17	9° 2	13°27	13°33	16°23	16°45							
F 10	17 14 40	19°14'33	29°12	13°40	21° 1	17°26	24°22	5°58	8°44	0°17	9° 3	13°22	13°30	16°30	16°43							
S 11	17 18 36	20°11'50	12♋27	15°50	22°13	18°10	24°14	6° 5	8°48	0°D17	9° 4	13°15	13°27	16°37	16°42							
S 12	17 22 33	21° 9'07	25°30	18° 1	23°25	18°53	24° 7	6°11	8°51	0°17	9° 6	13° 5	13°24	16°43	16°41							
M13	17 26 29	22° 6'23	8II21	20°12	24°37	19°36	23°59	6°17	8°55	0°17	9° 7	12°53	13°21	16°50	16°39							
T 14	17 30 26	23° 3'39	21° 0	22°24	25°49	20°19	23°51	6°23	8°58	0°17	9° 8	12°41	13°17	16°57	16°38							
W15	17 34 22	24° 0'55	3♋26	24°36	27° 2	21° 2	23°44	6°29	9° 2	0°17	9° 9	12°28	13°14	17° 3	16°37							
T 16	17 38 19	24°58'10	15°41	26°47	28°14	21°45	23°36	6°35	9° 5	0°17	9°10	12°16	13°11	17°10	16°35							
F 17	17 42 15	25°55'24	27°45	28°58	29°26	22°28	23°28	6°41	9° 9	0°18	9°11	12° 7	13° 8	17°17	16°33							
S 18	17 46 12	26°52'38	9♌40	1♋ 8	0II38	23°11	23°21	6°47	9°12	0°18	9°12	12° 0	13° 5	17°23	16°32							
S 19	17 50 9	27°49'52	21°29	3°16	1°50	23°54	23°13	6°53	9°16	0°18	9°13	11°56	13° 2	17°30	16°30							
M20	17 54 5	28°47'05	3♌16	5°24	3° 3	24°36	23° 6	6°59	9°20	0°18	9°14	11°55	12°58	17°37	16°28							
T 21	17 58 2	29°44'17	15° 6	7°30	4°15	25°19	22°58	7° 4	9°23	0°19	9°15	11°D54	12°55	17°43	16°26							
W22	18 1 58	0♋41'29	27° 4	9°35	5°27	26° 2	22°50	7°10	9°27	0°19	9°15	11°R55	12°52	17°50	16°24							
T 23	18 5 55	1°38'40	9♌15	11°38	6°40	26°44	22°43	7°15	9°30	0°19	9°16	11°54	12°49	17°57	16°22							
F 24	18 9 51	2°35'51	21°45	13°39	7°52	27°27	22°35	7°21	9°34	0°20	9°17	11°53	12°46	18° 3	16°21							
S 25	18 13 48	3°33'02	4♌38	15°38	9° 4	28° 9	22°28	7°26	9°38	0°20	9°18	11°49	12°42	18°10	16°18							
S 26	18 17 44	4°30'12	17°57	17°36	10°17	28°51	22°21	7°32	9°41	0°21	9°19	11°43	12°39	18°17	16°16							
M27	18 21 41	5°27'22	1♌44	19°31	11°29	29°34	22°13	7°37	9°45	0°21	9°20	11°35	12°36	18°23	16°14							
T 28	18 25 38	6°24'32	15°58	21°25	12°42	0II16	22° 6	7°42	9°48	0°22	9°21	11°26	12°33	18°30	16°12							
W29	18 29 34	7°21'42	0♋34	23°16	13°54	0°58	21°59	7°47	9°52	0°22	9°21	11°16	12°30	18°37	16°10							
T 30	18 33 31	8°18'52	15♋25	25°56	15II 7	1II40	21°52	7♋52	9°56	0°23	9♋22	11♋ 7	12♋27	18♌43	16♌ 8							

Day	☉		☽		♀		♂		♃		♄		♅		♆		♇		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓	
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat		
W 1	22n 5	28s12	4s58	17n52	1s18	13n16	1s44	14n38	0s32	23s 1	0n23	11n 5	2s16	23n35	0n21	1n15	1n29	0s19	15s35	6s19	6s19	18n34	9s16	6n51																		
T 2	22 13	27 58	4 38	18 29	1 7	13 40	1 43	14 52	0 31	23 1	0 23	11 7	2 16	23 34	0 21	1 15	1 29	0 18	15 35	6 23	6 20	18 31	9 16	6 52																		
F 3	22 21	25 48	4 0	19 5	0 57	14 3	1 42	15 6	0 31	23 1	0 23	11 9	2 16	23 34	0 21	1 15	1 29	0 18	15 36	6 27	6 21	18 29	9 16	6 52																		
S 4	22 28	21 56	3 6	19 41	0 46	14 25	1 41	15 20	0 30	23 1	0 23	11 11	2 16	23 34	0 21	1 15	1 29	0 18	15 36	6 29	6 23	18 26	9 16	6 53																		
S 5	22 35	16 46	2 1	20 16	0 35	14 48	1 39	15 33	0 29	23 1	0 23	11 13	2 16	23 34	0 21	1 15	1 29	0 18	15 36	6 30	6 24	18 23	9 16	6 53																		
M 6	22 42	10 44	0 49	20 49	0 24	15 10	1 38	15 47	0 29	23 1	0 23	11 15	2 16	23 34	0 21	1 15	1 29	0 18	15 36	6 30	6 25	18 20	9 16	6 53																		
T 7	22 48	4 15	0n25	21 22	0 13	15 31	1 37	16 0	0 28	23 0	0 23	11 17	2 16	23 33	0 21	1 15	1 29	0 17	15 36	6 30	6 26	18 18	9 15	6 54																		
W 8	22 53	2n20	1 37	21 53	0 2	15 53	1 35	16 13	0 27	23 0	0 23	11 19	2 17	23 33	0 21	1 15	1 29	0 17	15 36	6 31	6 28	18 15	9 15	6 54																		
T 9	22 58	8 42	2 42	22 22	0n 9	16 14	1 34	16 26	0 27	23 0	0 23	11 21	2 17	23 33	0 21	1 15	1 29	0 17	15 37	6 31	6 29	18 12	9 15	6 54																		
F 10	23 3	14 35	3 37	22 49	0 20	16 34	1 32	16 39	0 26	23 0	0 22	11 23	2 17	23 33	0 21	1 15	1 29	0 17	15 37	6 33	6 30	18 9	9 15	6 55																		
S 11	23 8	19 42	4 19	23 14	0 30	16 54	1 30	16 52	0 25	23 0	0 22	11 25	2 17	23 32	0 21	1 15	1 29	0 17	15 37	6 36	6 31	18 7	9 15	6 55																		
S 12	23 12	23 49	4 47	23 37	0 40	17 14	1 29	17 5	0 25	22 59	0 22	11 27	2 17	23 32	0 21	1 15	1 29	0 17	15 37	6 40	6 32	18 4	9 15	6 56																		
M13	23 15	26 40	4 59	23 57	0 49	17 34	1 27	17 17	0 24	22 59	0 22	11 29	2 17	23 32	0 21	1 15	1 29	0 17	15 37	6 44	6 34	18 1	9 16	6 56																		
T 14	23 19	28 8	4 57	24 14	0 58	17 53	1 25	17 29	0 23	22 59	0 22	11 31	2 17	23 32	0 21	1 15	1 29	0 16	15 37	6 49	6 35	17 58	9 16	6 56																		
W15	23 21	28 8	4 41	24 29	1 7	18 11	1 23	17 41	0 23	22 59	0 22	11 33	2 18	23 31	0 21	1 15	1 29	0 16	15 38	6 54	6 36	17 55	9 16	6 57																		
T 16	23 24	26 44	4 12	24 42	1 14	18 29	1 21	17 53	0 22	22 59	0 22	11 35	2 18	23 31	0 21	1 14	1 29	0 16	15 38	6 58	6 37	17 53	9 16	6 57																		
F 17	23 26	24 7	3 31	24 51	1 22	18 47	1 19	18 5	0 21	22 58	0 21	11 36	2 18	23 31	0 21	1 14	1 29	0 16	15 38	7 2	6 39	17 50	9 16	6 57																		
S 18	23 27	20 28	2 42	24 57	1 28	19 4	1 17	18 16	0 21	22 58	0 21	11 38	2 18	23 31	0 21	1 14	1 29	0 16	15 38	7 4	6 40	17 47	9 16	6 58																		
S 19	23 28	16 3	1 46	25 1	1 34	19 21	1 15	18 28	0 20	22 58	0 21	11 40	2 18	23 31	0 21	1 14	1 29	0 16	15 39	7 6	6 41	17 44	9 16	6 58																		
M20	23 29	11 2	0 46	25 2	1 39	19 37	1 13	18 39	0 19	22 58	0 21	11 42	2 18	23 30	0 21	1 14	1 28	0 16	15 39	7 7	6 42	17 41	9 17	6 58																		
T 21	23 29	5 37	0s17	25 0	1 43	19 52	1 11	18 50	0 19	22 57	0 21	11 43	2 18	23 30	0 21	1 14	1 28	0 16	15 39	7 7	6 43	17 39	9 17	6 59																		
W22	23 29	0s 3	1 20	24 55	1 47	20 8	1 9	19 1	0 18	22 57	0 21	11 45	2 19	23 30	0 21	1 14	1 28	0 16	15 39	7 7	6 45	17 36	9 17	6 59																		
T 23	23 29	5 49	2 20	24 48	1 50	20 22	1 7	19 11	0 17	22 57	0 21	11 47	2 19	23 30	0 21	1 13	1 28	0 16	15 39	7 7	6 46	17 33	9 17	6 59																		
F 24	23 28	11 31	3 15	24 39	1 52	20 36	1 5	19 22	0 17	22 57	0 20	11 48	2 19	23 29	0 21	1 13	1 28	0 16	15 40	7 7	6 47	17 30	9 18	7 0																		
S 25	23 27	16 54	4 2	24 27	1 54	20 50	1 2	19 32	0 16	22 56	0 20	11 50	2 19	23 29	0 21	1 13	1 28	0 16	15 40	7 9	6 48	17 27	9 18	7 0																		
S 26	23 25	21 40	4 38	24 13	1 54	21 3	1 0	19 42	0 15	22 56	0 20	11 51	2 19	23 29	0 21	1 13	1 28	0 16	15 40	7 11	6 50	17 24	9 18	7 0																		
M27	23 23	25 26	4 59	23 57	1 54	21 15	0 58	19 52	0 15	22 56	0 20	11 53	2 20	23 28	0 21	1 12	1 28	0 16	15 40	7 14	6 51	17 22	9 19	7 0																		
T 28	23 20	27 46	5 3	23 39	1 54	21 27	0 55	20 1	0 14	22 56	0 20	11 54	2																													

SWISS EPHEMERIS for the year 1616

JULY 1616 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♄	♃	♅	♆	♇
F 1	18 37 27	9 ^h 16'02"	0 ^h 23'	26 ^h 53'	16 ^h 20'	2 ^h 22'	21°R45	7 ^h 57'	9 ^h 59'	0 ^h 23'	9 ^h 23'	11°R 0	12 ^h 23'	18 ^h 50'	16°R 5		
S 2	18 41 24	10°13'12"	15°19'	28°39'	17°32'	3° 4'	21 ^h 38'	8° 2'	10° 3'	0°24'	9°24'	10 ^h 55'	12°20'	18°56'	16 ^h 33'		
S 3	18 45 20	11°10'22"	0 ^h 5'	0 ^h 22'	18°45'	3°46'	21°31'	8° 7'	10° 7'	0°25'	9°25'	10°53'	12°17'	19° 3'	16° 0'		
M 4	18 49 17	12° 7'33"	14°35'	2° 3'	19°57'	4°28'	21°24'	8°12'	10°10'	0°26'	9°25'	10°D53'	12°14'	19°10'	15°58'		
T 5	18 53 14	13° 4'44"	28°46'	3°43'	21°10'	5°10'	21°17'	8°17'	10°14'	0°26'	9°26'	10°53'	12°11'	19°16'	15°56'		
W 6	18 57 10	14° 1'56"	12 ^h 39'	5°20'	22°23'	5°51'	21°11'	8°21'	10°18'	0°27'	9°27'	10°R54'	12° 8'	19°23'	15°53'		
T 7	19 1 7	14°59'08"	26°12'	6°55'	23°36'	6°33'	21° 4'	8°26'	10°21'	0°28'	9°27'	10°53'	12° 4'	19°30'	15°50'		
F 8	19 5 3	15°56'21"	9 ^h 27'	8°29'	24°49'	7°15'	20°58'	8°30'	10°25'	0°29'	9°28'	10°51'	12° 1'	19°36'	15°48'		
S 9	19 9 0	16°53'34"	22°27'	10° 0'	26° 1'	7°56'	20°52'	8°35'	10°28'	0°30'	9°29'	10°46'	11°58'	19°43'	15°45'		
S 10	19 12 56	17°50'49"	5 ^h 13'	11°29'	27°14'	8°38'	20°46'	8°39'	10°32'	0°31'	9°29'	10°39'	11°55'	19°50'	15°43'		
M 11	19 16 53	18°48'03"	17°47'	12°56'	28°27'	9°19'	20°40'	8°43'	10°36'	0°31'	9°30'	10°31'	11°52'	19°56'	15°40'		
T 12	19 20 49	19°45'19"	0 ^h 9'	14°21'	29°40'	10° 0'	20°34'	8°47'	10°39'	0°32'	9°30'	10°22'	11°48'	20° 3'	15°37'		
W 13	19 24 46	20°42'34"	12°21'	15°44'	0 ^h 53'	10°42'	20°28'	8°51'	10°43'	0°33'	9°31'	10°13'	11°45'	20°10'	15°34'		
T 14	19 28 43	21°39'51"	24°25'	17° 5'	2° 6'	11°23'	20°22'	8°55'	10°46'	0°34'	9°31'	10° 5'	11°42'	20°16'	15°31'		
F 15	19 32 39	22°37'07"	6 ^h 21'	18°24'	3°19'	12° 4'	20°17'	8°59'	10°50'	0°36'	9°32'	9°58'	11°39'	20°23'	15°29'		
S 16	19 36 36	23°34'25"	18°11'	19°40'	4°32'	12°45'	20°12'	9° 3'	10°54'	0°37'	9°32'	9°53'	11°36'	20°30'	15°26'		
S 17	19 40 32	24°31'42"	29°58'	20°54'	5°45'	13°26'	20° 6'	9° 7'	10°57'	0°38'	9°33'	9°51'	11°33'	20°36'	15°23'		
M 18	19 44 29	25°29'00"	11 ^h 44'	22° 5'	6°58'	14° 7'	20° 1'	9°10'	11° 1'	0°39'	9°33'	9°D51'	11°29'	20°43'	15°20'		
T 19	19 48 25	26°26'19"	23°35'	23°15'	8°12'	14°48'	19°56'	9°14'	11° 4'	0°40'	9°34'	9°51'	11°26'	20°50'	15°17'		
W 20	19 52 22	27°23'38"	5 ^h 33'	24°21'	9°25'	15°28'	19°52'	9°17'	11° 8'	0°41'	9°34'	9°53'	11°23'	20°56'	15°14'		
T 21	19 56 18	28°20'57"	17°43'	25°25'	10°38'	16° 9'	19°47'	9°21'	11°11'	0°42'	9°35'	9°54'	11°20'	21° 3'	15°11'		
F 22	20 0 15	29°18'17"	0 ^h 11'	26°26'	11°51'	16°50'	19°43'	9°24'	11°15'	0°44'	9°35'	9°R55'	11°17'	21°10'	15° 8'		
S 23	20 4 12	0 ^h 15'38"	13° 1'	27°25'	13° 4'	17°30'	19°38'	9°27'	11°18'	0°45'	9°35'	9°54'	11°14'	21°16'	15° 5'		
S 24	20 8 8	1°12'59"	26°17'	28°20'	14°18'	18°11'	19°34'	9°30'	11°22'	0°46'	9°36'	9°51'	11°10'	21°23'	15° 2'		
M 25	20 12 5	2°10'20"	10 ^h 2'	29°13'	15°31'	18°51'	19°30'	9°33'	11°25'	0°48'	9°36'	9°47'	11° 7'	21°30'	14°59'		
T 26	20 16 1	3° 7'43"	24°14'	0 ^h 2'	16°44'	19°32'	19°27'	9°36'	11°29'	0°49'	9°36'	9°43'	11° 4'	21°36'	14°56'		
W 27	20 19 58	4° 5'06"	8 ^h 53'	0°48'	17°58'	20°12'	19°23'	9°39'	11°32'	0°50'	9°37'	9°37'	11° 1'	21°43'	14°53'		
T 28	20 23 54	5° 2'29"	23°51'	1°30'	19°11'	20°52'	19°19'	9°41'	11°36'	0°52'	9°37'	9°33'	10°58'	21°50'	14°49'		
F 29	20 27 51	5°59'54"	9 ^h 0'	2° 9'	20°25'	21°32'	19°16'	9°44'	11°39'	0°53'	9°37'	9°29'	10°54'	21°56'	14°46'		
S 30	20 31 47	6°57'19"	24°11'	2°43'	21°38'	22°12'	19°13'	9°46'	11°42'	0°55'	9°37'	9°26'	10°51'	22° 3'	14°43'		
S 31	20 35 44	7 ^h 54'46"	9 ^h 14'	3 ^h 14'	22 ^h 52'	22 ^h 52'	19 ^h 10'	9 ^h 49'	11 ^h 46'	0 ^h 56'	9 ^h 38'	9°D26'	10 ^h 48'	22 ^h 10'	14 ^h 40'		

Day	☉		☽		♀		♂		♃		♄		♅		♆		♇							
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat						
F 1	23n10	23s21	3s19	22n35	1n48	21n59	0s48	20n29	0s12	22s55	0n19	11n59	2s20	23n27	0n21	1n11	1n28	0s15	15s41	7s27	6s56	17n10	9s20	7n 1
S 2	23 6	18 23	2 12	22 11	1 44	22 9	0 46	20 38	0 11	22 54	0 19	12 0	2 20	23 27	0 21	1 11	1 28	0 16	15 42	7 29	6 57	17 7	9 21	7 2
S 3	23 1	12 22	0 58	21 45	1 41	22 18	0 43	20 47	0 10	22 54	0 19	12 2	2 21	23 27	0 21	1 11	1 28	0 16	15 42	7 30	6 58	17 5	9 21	7 2
M 4	22 56	5 47	0n20	21 19	1 36	22 26	0 41	20 55	0 10	22 54	0 19	12 3	2 21	23 27	0 21	1 10	1 28	0 16	15 42	7 30	6 59	17 2	9 22	7 2
T 5	22 51	0n57	1 34	20 51	1 31	22 34	0 38	21 4	0 9	22 54	0 19	12 4	2 21	23 26	0 21	1 10	1 28	0 16	15 42	7 30	7 0	16 59	9 22	7 2
W 6	22 45	7 29	2 42	20 22	1 26	22 41	0 36	21 12	0 8	22 53	0 19	12 6	2 21	23 26	0 21	1 10	1 28	0 16	15 43	7 30	7 2	16 56	9 23	7 3
T 7	22 39	13 31	3 38	19 52	1 20	22 47	0 33	21 20	0 7	22 53	0 18	12 7	2 21	23 26	0 21	1 9	1 28	0 16	15 43	7 30	7 3	16 53	9 23	7 3
F 8	22 32	18 48	4 22	19 22	1 14	22 53	0 30	21 27	0 7	22 53	0 18	12 8	2 22	23 26	0 21	1 9	1 28	0 16	15 43	7 31	7 4	16 50	9 24	7 3
S 9	22 25	23 6	4 51	18 51	1 7	22 58	0 28	21 35	0 6	22 53	0 18	12 9	2 22	23 25	0 21	1 9	1 28	0 16	15 43	7 33	7 5	16 47	9 24	7 3
S 10	22 18	26 13	5 5	18 20	0 59	23 3	0 25	21 42	0 5	22 52	0 18	12 10	2 22	23 25	0 21	1 8	1 28	0 16	15 44	7 35	7 7	16 44	9 25	7 4
M 11	22 10	27 58	5 4	17 48	0 52	23 6	0 23	21 49	0 4	22 52	0 18	12 12	2 22	23 25	0 21	1 8	1 28	0 16	15 44	7 38	7 8	16 41	9 25	7 4
T 12	22 2 28	18 4	4 48	17 15	0 44	23 9	0 20	21 56	0 4	22 52	0 18	12 13	2 22	23 24	0 21	1 7	1 28	0 16	15 44	7 42	7 9	16 39	9 26	7 4
W 13	21 54	27 14	4 20	16 43	0 35	23 12	0 17	22 3	0 3	22 51	0 17	12 14	2 23	23 24	0 21	1 7	1 28	0 16	15 45	7 45	7 10	16 36	9 27	7 4
T 14	21 45	24 54	3 40	16 10	0 26	23 14	0 15	22 9	0 2	22 51	0 17	12 15	2 23	23 24	0 21	1 7	1 28	0 16	15 45	7 48	7 11	16 33	9 27	7 4
F 15	21 35	21 29	2 51	15 37	0 17	23 15	0 12	22 16	0 1	22 51	0 17	12 16	2 23	23 24	0 21	1 6	1 27	0 16	15 45	7 51	7 13	16 30	9 28	7 4
S 16	21 26	17 14	1 55	15 4	0 7	23 15	0 10	22 22	0 1	22 51	0 17	12 17	2 23	23 23	0 21	1 6	1 27	0 17	15 45	7 53	7 14	16 27	9 29	7 5
S 17	21 16	12 20	0 53	14 31	0s 3	23 15	0 7	22 28	0n 0	22 51	0 17	12 18	2 24	23 23	0 21	1 5	1 27	0 17	15 46	7 54	7 15	16 24	9 29	7 5
M 18	21 5 7	1 0s10	13 58	0 13	23 14	0 5	22 33	0 1	22 50	0 17	12 19	2 24	23 23	0 21	1 5	1 27	0 17	15 46	7 54	7 16	16 21	9 30	7 5	
T 19	20 55	1 25	1 14	13 26	0 24	23 12	0 2	22 39	0 2	22 50	0 16	12 20	2 24	23 22	0 21	1 4	1 27	0 17	15 46	7 53	7 17	16 18	9 31	7 5
W 20	20 44	4s16	2 15	12 53	0 35	23 10	0n 1	22 44	0 2	22 50	0 16	12 20	2 24	23 22	0 21	1 4	1 27	0 17	15 47	7 53	7 19	16 15	9 31	7 5
T 21	20 32	9 55	3 11	12 22	0 46	23 7	0 3	22 49	0 3	22 50	0 16	12 21	2 24	23 22	0 21	1 3	1 27	0 17	15 47	7 52	7 20	16 12	9 32	7 5
F 22	20 20	15 18	4 0	11 50	0 57	23 3	0 6	22 54	0 4	22 50	0 16	12 22	2 25	23 22	0 21	1 3	1 27	0 17	15 47	7 52	7 21	16 9	9 33	7 5
S 23	20 8	20 11	4 38	11 19	1 9	22 59	0 8	22 59	0 5	22 49	0 16	12 23	2 25	23 21	0 21	1 2	1 27	0 18	15 48	7 53	7 22	16 6	9 34	7 5
S 24	19 56	24 16	5 3	10 49	1 20	22 54	0 11	23 3	0 5	22 49	0 16	12 24	2 25	23 21	0 21	1 1	1 27	0 18	15 48	7 53	7 23	16 3	9 35	7 5
M 25	19 43	27 8	5 11	10 20	1 32	22 48	0 13	23 8	0 6	22 49	0 15	12 24	2 25	23 21	0 21	1 1	1 27	0 18	15 48	7 55	7 25	16 1	9 35	7 5
T 26	19 30	28 23	5 1	9 52	1 44	22 42	0 16	23 12	0 7	22 49	0 15	12 25	2 26	23 20	0 21	1 0	1 27	0 18	15 48	7 57	7 26	15 58	9 36	7 6
W 27	19 17	27 43	4 32	9 24	1 56	22 35	0 18	23 15	0 8	22 49	0 15	12 26	2 26	23 20	0 21	1 0	1 27	0 18	15 49	7 59	7 27	15 55	9 37	7 6
T 28	19 3 25	3 43	3 43	8 58	2 8	22 2																		

SWISS EPHEMERIS for the year 1616

AUGUST 1616 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	20 39 41	8♄52'13	24♃1	3♃40	24♁5	23♂32	19°R 7	9♁51	11♁49	0♁58	9♁38	9♁26	10♃45	22♄16	14°R37
T 2	20 43 37	9°49'42	8♁27	4° 2	25°19	24°12	19♁ 5	9°53	11°52	0°59	9°38	9°28	10°42	22°23	14°R34
W 3	20 47 34	10°47'13	22°29	4°20	26°33	24°52	19° 3	9°55	11°56	1° 1	9°38	9°29	10°39	22°29	14°30
T 4	20 51 30	11°44'44	6♁7	4°32	27°46	25°32	19° 0	9°57	11°59	1° 2	9°38	9°R30	10°35	22°36	14°27
F 5	20 55 27	12°42'18	19°22	4°39	29° 0	26°11	18°58	9°59	12° 2	1° 4	9°38	9°30	10°32	22°43	14°24
S 6	20 59 23	13°39'52	2♂16	4°R41	0♄14	26°51	18°56	10° 1	12° 5	1° 6	9°38	9°29	10°29	22°49	14°21
S 7	21 3 20	14°37'29	14°53	4°38	1°27	27°30	18°55	10° 3	12° 9	1° 7	9°38	9°26	10°26	22°56	14°18
M 8	21 7 16	15°35'06	27°15	4°29	2°41	28°10	18°53	10° 4	12°12	1° 9	9°38	9°23	10°23	23° 3	14°15
T 9	21 11 13	16°32'45	9♁25	4°15	3°55	28°49	18°52	10° 6	12°15	1°11	9°R38	9°19	10°20	23° 9	14°11
W10	21 15 10	17°30'26	21°26	3°55	5° 9	29°28	18°51	10° 7	12°18	1°12	9°38	9°16	10°16	23°16	14° 8
T 11	21 19 6	18°28'08	3♄21	3°30	6°23	0♁8	18°50	10° 8	12°21	1°14	9°38	9°13	10°13	23°23	14° 5
F 12	21 23 3	19°25'51	15°10	2°59	7°37	0°47	18°49	10° 9	12°24	1°16	9°38	9°10	10°10	23°29	14° 2
S 13	21 26 59	20°23'36	26°58	2°23	8°51	1°26	18°49	10°10	12°27	1°17	9°38	9° 9	10° 7	23°36	13°59
S 14	21 30 56	21°21'22	8♃45	1°43	10° 5	2° 5	18°48	10°11	12°30	1°19	9°38	9°D 8	10° 4	23°43	13°56
M15	21 34 52	22°19'09	20°35	0°58	11°19	2°44	18°D48	10°12	12°33	1°21	9°38	9° 9	10° 0	23°49	13°52
T 16	21 38 49	23°16'58	2♁29	0°10	12°33	3°23	18°48	10°13	12°36	1°23	9°38	9°10	9°57	23°56	13°49
W17	21 42 45	24°14'47	14°31	29♄18	13°47	4° 1	18°49	10°13	12°39	1°25	9°38	9°11	9°54	24° 3	13°46
T 18	21 46 42	25°12'38	26°45	28°25	15° 1	4°40	18°49	10°14	12°42	1°27	9°38	9°12	9°51	24° 9	13°43
F 19	21 50 39	26°10'31	9♃15	27°31	16°15	5°18	18°50	10°14	12°45	1°29	9°37	9°13	9°48	24°16	13°40
S 20	21 54 35	27° 8'25	22° 3	26°37	17°29	5°57	18°50	10°15	12°48	1°30	9°37	9°R14	9°45	24°23	13°37
S 21	21 58 32	28° 6'20	5♁14	25°44	18°43	6°35	18°51	10°15	12°51	1°32	9°37	9°14	9°41	24°29	13°34
M22	22 2 28	29° 4'16	18°51	24°54	19°57	7°14	18°53	10°R15	12°54	1°34	9°37	9°13	9°38	24°36	13°31
T 23	22 6 25	0♃2'14	2♁53	24° 7	21°12	7°52	18°54	10°15	12°56	1°36	9°36	9°12	9°35	24°42	13°28
W24	22 10 21	1° 0'13	17°21	23°25	22°26	8°30	18°55	10°15	12°59	1°38	9°36	9°11	9°32	24°49	13°25
T 25	22 14 18	1°58'13	2♁11	22°48	23°40	9° 8	18°57	10°15	13° 2	1°40	9°36	9°10	9°29	24°56	13°22
F 26	22 18 14	2°56'15	17°16	22°18	24°54	9°46	18°59	10°14	13° 4	1°42	9°35	9°10	9°25	25° 2	13°19
S 27	22 22 11	3°54'18	2♁28	21°54	26° 9	10°24	19° 1	10°14	13° 7	1°44	9°35	9°D10	9°22	25° 9	13°16
S 28	22 26 8	4°52'23	17°38	21°39	27°23	11° 2	19° 3	10°13	13°10	1°46	9°35	9°10	9°19	25°16	13°13
M29	22 30 4	5°50'30	2♁35	21°D31	28°37	11°40	19° 6	10°13	13°12	1°48	9°34	9°10	9°16	25°22	13°10
T 30	22 34 1	6°48'38	17°14	21°33	29°52	12°17	19° 9	10°12	13°15	1°50	9°34	9°10	9°13	25°29	13° 7
W31	22 37 57	7♃46'49	1♁27	21♄43	1♃6	12♁55	19♁11	10♁11	13♁17	1♁52	9♁33	9♁10	9♁10	25♄36	13♁5

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	18n 5	1s10	1n19	7n26	2s57	21n50	0n30	23n32	0n12	22s49	0n14	12n28	2s27	23n19	0n21	0n57	1n27	0s20	15s50	8s 3	7s33	15n40	9s41	7n 6
T 2	17 50	5n42	2 33	7 7	3 9	21 39	0 32	23 34	0 13	22 48	0 14	12 29	2 27	23 19	0 21	0 56	1 27	0 20	15 51	8 2	7 34	15 37	9 42	7 6
W 3	17 34	12 5	3 35	6 50	3 20	21 27	0 35	23 37	0 13	22 48	0 14	12 29	2 28	23 18	0 21	0 55	1 27	0 20	15 51	8 2	7 36	15 34	9 43	7 6
T 4	17 18	17 43	4 23	6 35	3 31	21 15	0 37	23 39	0 14	22 48	0 14	12 30	2 28	23 18	0 21	0 55	1 27	0 20	15 51	8 1	7 37	15 31	9 44	7 6
F 5	17 2 22	20 4	5 5	6 23	3 42	21 2	0 39	23 41	0 15	22 48	0 14	12 30	2 28	23 18	0 21	0 54	1 27	0 20	15 51	8 2	7 38	15 28	9 45	7 6
S 6	16 46	25 45	5 12	6 12	3 53	20 49	0 41	23 43	0 16	22 48	0 13	12 30	2 28	23 17	0 21	0 53	1 27	0 21	15 52	8 2	7 39	15 25	9 46	7 6
S 7	16 29	27 49	5 13	6 4	4 2	20 35	0 43	23 45	0 17	22 48	0 13	12 31	2 28	23 17	0 21	0 53	1 27	0 21	15 52	8 3	7 40	15 22	9 47	7 6
M 8	16 12	28 27	4 59	5 59	4 11	20 20	0 45	23 46	0 17	22 48	0 13	12 31	2 29	23 17	0 21	0 52	1 27	0 21	15 52	8 4	7 42	15 19	9 48	7 6
T 9	15 55	27 41	4 32	5 57	4 19	20 5	0 47	23 47	0 18	22 49	0 13	12 31	2 29	23 17	0 21	0 51	1 27	0 22	15 53	8 5	7 43	15 16	9 49	7 6
W10	15 37	25 37	3 53	5 57	4 26	19 49	0 49	23 48	0 19	22 49	0 13	12 31	2 29	23 16	0 21	0 51	1 27	0 22	15 53	8 7	7 44	15 13	9 50	7 5
T 11	15 19	22 27	3 5	6 1	4 32	19 33	0 51	23 49	0 20	22 49	0 13	12 31	2 29	23 16	0 21	0 50	1 27	0 22	15 53	8 8	7 45	15 10	9 51	7 5
F 12	15 2	18 22	2 9	6 8	4 37	19 16	0 53	23 50	0 21	22 49	0 12	12 32	2 30	23 16	0 21	0 49	1 27	0 23	15 54	8 9	7 46	15 7	9 52	7 5
S 13	14 43	13 36	1 7	6 17	4 40	18 58	0 55	23 51	0 22	22 49	0 12	12 32	2 30	23 16	0 21	0 48	1 27	0 23	15 54	8 9	7 48	15 4	9 53	7 5
S 14	14 25	8 20	0 2	6 30	4 42	18 40	0 57	23 51	0 22	22 49	0 12	12 32	2 30	23 15	0 21	0 48	1 27	0 23	15 54	8 10	7 49	15 1	9 53	7 5
M15	14 6	2 47	1s 3	6 46	4 42	18 22	0 59	23 51	0 23	22 49	0 12	12 32	2 30	23 15	0 21	0 47	1 26	0 24	15 54	8 10	7 50	14 58	9 54	7 5
T 16	13 47	2s55	2 6	7 4	4 40	18 3	1 0	23 51	0 24	22 49	0 12	12 32	2 31	23 15	0 21	0 46	1 26	0 24	15 55	8 9	7 51	14 55	9 55	7 5
W17	13 28	8 34	3 4	7 26	4 36	17 43	1 2	23 51	0 25	22 50	0 12	12 32	2 31	23 14	0 21	0 45	1 26	0 24	15 55	8 9	7 52	14 52	9 56	7 5
T 18	13 9	13 59	3 54	7 49	4 30	17 23	1 4	23 50	0 26	22 50	0 11	12 32	2 31	23 14	0 21	0 45	1 26	0 25	15 55	8 8	7 54	14 49	9 57	7 5
F 19	12 49	18 57	4 35	8 15	4 23	17 2	1 5	23 50	0 27	22 50	0 11	12 31	2 31	23 14	0 21	0 44	1 26	0 25	15 56	8 8	7 55	14 46	9 58	7 4
S 20	12 29	23 12	5 3	8 42	4 13	16 41	1 7	23 49	0 27	22 50	0 11	12 31	2 32	23 14	0 21	0 43	1 26	0 25	15 56	8 8	7 56	14 43	9 59	7 4
S 21	12 9	26 24	5 16	9 10	4 2	16 20	1 8	23 48	0 28	22 50	0 11	12 31	2 32	23 13	0 21	0 42	1 26	0 26	15 56	8 8	7 57	14 40	10 0	7 4
M22	11 49	28 13	5 13	9 39	3 49	15 58	1 10	23 47	0 29	22 51	0 11	12 31	2 32	23 13	0 21	0 42	1 26	0 26	15 57	8 8	7 58	14 37	10 1	7 4
T 23	11 29	28 18	4 51	10 8	3 35	15 35	1 11	23 45	0 30	22 51	0 11	12 31	2 32	23 13	0 21	0 41	1 26	0 26	15 57	8 8	8 0	14 34	10 2	7 4
W24	11 8	26 29	4 10	10 37	3 19	15 12	1 12	23 44	0 31	22 51	0 11	12 30	2 33	23 13	0 21	0 40	1 26	0 27	15 57	8 9	8 1	14 31	10 3	7 4
T 25	10 48	22 49	3 11	11 5	3 2	14 49	1 13	23 42	0 32	22 52	0 10	12 30	2 33	23 12	0 21	0 39	1 26	0 27	15 57	8 9	8 2	14 28	10 4	7 3
F 26	10 27	17 35	1 59	11 31	2 44	14 25	1 15	23 40	0 33	22 52	0 10	12 30	2 33	23 12	0 22	0 38	1 26	0 27	15 58	8 9	8 3	14 25	10 5	7 3
S 27	10 6	11 12	0 37	11 56	2 26	14 1	1 16	23 38	0 33	22 52	0 10	12 29	2 33	23 12	0 22	0 38	1 26	0 28	15 58	8 9	8 4	14 22	10 6	7 3
S 28	9 45	4 11	0n47	12 19	2 7	13 36	1 17	23 36	0 34	22 53	0 10	12 29	2 34	23 12	0 22	0 37	1 26	0 28	15 58	8 9	8 6	14 18	10 7	7 3
M29	9 23	2n58	2 7	12 39	1 48	13 12	1 18	23 34	0 35	22 53	0 10	12 29	2											

SWISS EPHEMERIS for the year 1616

SEPTEMBER 1616 GC

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	
T 1	22 41 54	8 ^m 45'01	15 ^h 15	22 ^o 2	2 ^m 21	13 ^o 33	19 ^o 14	10 ^o R10	13 ^o 20	1 ^o 54	9 ^o R33	9 ^o R10	9 ^h 6	25 ^o 42	13 ^o R 2
F 2	22 45 50	9 ^o 43'16	28 ^o 35	22 ^o 29	3 ^o 35	14 ^o 10	19 ^o 18	10 ^h 8	13 ^o 22	1 ^o 57	9 ^h 33	9 ^h 10	9 ^o 3	25 ^o 49	12 ^h 59
S 3	22 49 47	10 ^o 41'33	11 ^h 11	23 ^o 5	4 ^o 50	14 ^o 47	19 ^o 21	10 ^o 8	13 ^o 24	1 ^o 59	9 ^o 32	9 ^o D10	9 ^o 0	25 ^o 56	12 ^o 56
S 4	22 53 43	11 ^o 39'52	24 ^o 6	23 ^o 50	6 ^o 4	15 ^o 25	19 ^o 24	10 ^o 6	13 ^o 27	2 ^o 1	9 ^o 32	9 ^o 10	8 ^o 57	26 ^o 2	12 ^o 54
M 5	22 57 40	12 ^o 38'13	6 ^h 23	24 ^o 42	7 ^o 19	16 ^o 2	19 ^o 28	10 ^o 5	13 ^o 29	2 ^o 3	9 ^o 31	9 ^o 10	8 ^o 54	26 ^o 9	12 ^o 51
T 6	23 1 37	13 ^o 36'36	18 ^o 27	25 ^o 42	8 ^o 33	16 ^o 39	19 ^o 32	10 ^o 3	13 ^o 31	2 ^o 5	9 ^o 30	9 ^o 11	8 ^o 51	26 ^o 16	12 ^o 49
W 7	23 5 33	14 ^o 35'02	0 ^h 22	26 ^o 49	9 ^o 48	17 ^o 16	19 ^o 36	10 ^o 2	13 ^o 33	2 ^o 7	9 ^o 30	9 ^o 11	8 ^o 47	26 ^o 22	12 ^o 46
T 8	23 9 30	15 ^o 33'29	12 ^o 11	28 ^o 2	11 ^o 3	17 ^o 53	19 ^o 40	10 ^o 0	13 ^o 35	2 ^o 9	9 ^o 29	9 ^o 12	8 ^o 44	26 ^o 29	12 ^o 44
F 9	23 13 26	16 ^o 31'58	23 ^o 59	29 ^o 22	12 ^o 17	18 ^o 29	19 ^o 45	9 ^o 58	13 ^o 37	2 ^o 12	9 ^o 29	9 ^o 13	8 ^o 41	26 ^o 36	12 ^o 41
S 10	23 17 23	17 ^o 30'29	5 ^m 46	0 ^m 46	13 ^o 32	19 ^o 6	19 ^o 49	9 ^o 56	13 ^o 40	2 ^o 14	9 ^o 28	9 ^o R13	8 ^o 38	26 ^o 42	12 ^o 39
S 11	23 21 19	18 ^o 29'02	17 ^o 38	2 ^o 16	14 ^o 46	19 ^o 43	19 ^o 54	9 ^o 54	13 ^o 42	2 ^o 16	9 ^o 27	9 ^o 13	8 ^o 35	26 ^o 49	12 ^o 36
M12	23 25 16	19 ^o 27'37	29 ^o 34	3 ^o 50	16 ^o 1	20 ^o 19	19 ^o 59	9 ^o 52	13 ^o 44	2 ^o 18	9 ^o 27	9 ^o 12	8 ^o 31	26 ^o 55	12 ^o 34
T 13	23 29 12	20 ^o 26'14	11 ^h 12	5 ^o 27	17 ^o 16	20 ^o 56	20 ^o 4	9 ^o 50	13 ^o 45	2 ^o 20	9 ^o 26	9 ^o 11	8 ^o 28	27 ^o 2	12 ^o 32
W14	23 33 9	21 ^o 24'53	23 ^o 51	7 ^o 7	18 ^o 31	21 ^o 32	20 ^o 9	9 ^o 48	13 ^o 47	2 ^o 22	9 ^o 25	9 ^o 9	8 ^o 25	27 ^o 9	12 ^o 29
T 15	23 37 6	22 ^o 23'34	6 ^m 16	8 ^o 50	19 ^o 45	22 ^o 8	20 ^o 15	9 ^o 45	13 ^o 49	2 ^o 25	9 ^o 25	9 ^o 8	8 ^o 22	27 ^o 15	12 ^o 27
F 16	23 41 2	23 ^o 22'16	18 ^o 54	10 ^o 35	21 ^o 0	22 ^o 44	20 ^o 20	9 ^o 43	13 ^o 51	2 ^o 27	9 ^o 24	9 ^o 6	8 ^o 19	27 ^o 22	12 ^o 25
S 17	23 44 59	24 ^o 21'01	1 ^h 47	12 ^o 21	22 ^o 15	23 ^o 20	20 ^o 26	9 ^o 40	13 ^o 53	2 ^o 29	9 ^o 23	9 ^o 4	8 ^o 16	27 ^o 29	12 ^o 23
S 18	23 48 55	25 ^o 19'47	14 ^o 58	14 ^o 9	23 ^o 30	23 ^o 56	20 ^o 32	9 ^o 38	13 ^o 54	2 ^o 31	9 ^o 22	9 ^o 3	8 ^o 12	27 ^o 35	12 ^o 21
M19	23 52 52	26 ^o 18'35	28 ^o 29	15 ^o 58	24 ^o 45	24 ^o 32	20 ^o 38	9 ^o 35	13 ^o 56	2 ^o 33	9 ^o 22	9 ^o D 3	8 ^o 9	27 ^o 42	12 ^o 19
T 20	23 56 48	27 ^o 17'24	12 ^h 20	17 ^o 47	25 ^o 59	25 ^o 8	20 ^o 44	9 ^o 32	13 ^o 58	2 ^o 36	9 ^o 21	9 ^o 3	8 ^o 6	27 ^o 49	12 ^o 17
W21	0 0 45	28 ^o 16'15	26 ^o 32	19 ^o 36	27 ^o 14	25 ^o 43	20 ^o 50	9 ^o 29	13 ^o 59	2 ^o 38	9 ^o 20	9 ^o 4	8 ^o 3	27 ^o 55	12 ^o 15
T 22	0 4 41	29 ^o 15'08	11 ^h 4	21 ^o 26	28 ^o 29	26 ^o 19	20 ^o 57	9 ^o 26	14 ^o 1	2 ^o 40	9 ^o 19	9 ^o 6	8 ^o 0	28 ^o 2	12 ^o 13
F 23	0 8 38	0 ^h 14'03	25 ^o 51	23 ^o 15	29 ^o 44	26 ^o 54	21 ^o 3	9 ^o 23	14 ^o 2	2 ^o 42	9 ^o 18	9 ^o 7	7 ^o 57	28 ^o 9	12 ^o 12
S 24	0 12 35	1 ^o 13'00	10 ^h 48	25 ^o 5	0 ^h 59	27 ^o 29	21 ^o 10	9 ^o 20	14 ^o 3	2 ^o 45	9 ^o 18	9 ^o R 7	7 ^o 53	28 ^o 15	12 ^o 10
S 25	0 16 31	2 ^o 11'58	25 ^o 48	26 ^o 54	2 ^o 14	28 ^o 4	21 ^o 17	9 ^o 16	14 ^o 5	2 ^o 47	9 ^o 17	9 ^o 7	7 ^o 50	28 ^o 22	12 ^o 8
M26	0 20 28	3 ^o 10'58	10 ^h 42	28 ^o 42	3 ^o 29	28 ^o 40	21 ^o 24	9 ^o 13	14 ^o 6	2 ^o 49	9 ^o 16	9 ^o 5	7 ^o 47	28 ^o 29	12 ^o 7
T 27	0 24 24	4 ^o 10'01	25 ^o 22	0 ^h 30	4 ^o 43	29 ^o 14	21 ^o 32	9 ^o 10	14 ^o 7	2 ^o 51	9 ^o 15	9 ^o 2	7 ^o 44	28 ^o 35	12 ^o 5
W28	0 28 21	5 ^o 9'05	9 ^h 41	2 ^o 17	5 ^o 58	29 ^o 49	21 ^o 39	9 ^o 6	14 ^o 9	2 ^o 54	9 ^o 14	8 ^o 58	7 ^o 41	28 ^o 42	12 ^o 4
T 29	0 32 17	6 ^o 8'12	23 ^o 35	4 ^o 4	7 ^o 13	0 ^h 24	21 ^o 46	9 ^o 2	14 ^o 10	2 ^o 56	9 ^o 13	8 ^o 54	7 ^o 37	28 ^o 48	12 ^o 2
F 30	0 36 14	7 ^h 7'22	7 ^h 11	5 ^h 50	8 ^h 28	0 ^h 59	21 ^h 54	8 ^h 59	14 ^h 11	2 ^h 58	9 ^h 12	8 ^h 50	7 ^h 34	28 ^h 55	12 ^h 1

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♃	♄									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	8n18	21n 4	4n51	13n22	0s53	11n55	1n20	23n26	0n38	22s54	0n 9	12n27	2s35	23n11	0n22	0n33	1n26	0s30	15s59	8s 9	8s10	14n 6	10s11	7n 2
F 2	7 56	24 58	5 12	13 30	0 35	11 28	1 21	23 23	0 39	22 54	0 9	12 27	2 35	23 11	0 22	0 33	1 26	0 30	16 0	8 9	8 12	14 3	10 12	7 2
S 3	7 34	27 27	5 18	13 34	0 18	11 2	1 22	23 20	0 40	22 55	0 9	12 26	2 35	23 10	0 22	0 32	1 26	0 30	16 0	8 9	8 13	14 0	10 13	7 1
S 4	7 12	28 28	5 7	13 35	0 2	10 35	1 22	23 16	0 40	22 55	0 9	12 25	2 35	23 10	0 22	0 31	1 26	0 31	16 0	8 9	8 14	13 57	10 14	7 1
M 5	6 50	28 3	4 43	13 31	0n13	10 8	1 23	23 13	0 41	22 56	0 9	12 25	2 35	23 10	0 22	0 30	1 26	0 31	16 0	8 9	8 15	13 54	10 15	7 1
T 6	6 27	26 17	4 6	13 25	0 27	9 40	1 23	23 9	0 42	22 56	0 9	12 24	2 36	23 10	0 22	0 29	1 26	0 32	16 1	8 9	8 16	13 51	10 16	7 0
W 7	6 5	23 22	3 20	13 14	0 40	9 12	1 24	23 5	0 43	22 57	0 8	12 23	2 36	23 10	0 22	0 28	1 26	0 32	16 1	8 8	8 18	13 48	10 17	7 0
T 8	5 42	19 29	2 25	13 0	0 52	8 44	1 24	23 1	0 44	22 57	0 8	12 23	2 36	23 9	0 22	0 27	1 26	0 32	16 1	8 8	8 19	13 45	10 18	7 0
F 9	5 20	14 52	1 24	12 42	1 3	8 16	1 25	22 57	0 45	22 58	0 8	12 22	2 36	23 9	0 22	0 27	1 26	0 33	16 1	8 8	8 20	13 42	10 19	7 0
S 10	4 57	9 43	0 19	12 21	1 13	7 48	1 25	22 53	0 46	22 58	0 8	12 21	2 37	23 9	0 22	0 26	1 26	0 33	16 2	8 8	8 21	13 39	10 20	6 59
S 11	4 34	4 11	0s47	11 57	1 21	7 19	1 25	22 49	0 47	22 59	0 8	12 20	2 37	23 9	0 22	0 25	1 26	0 34	16 2	8 8	8 22	13 35	10 21	6 59
M12	4 11	1s31	1 51	11 30	1 28	6 50	1 25	22 44	0 48	22 59	0 8	12 19	2 37	23 9	0 22	0 24	1 26	0 34	16 2	8 8	8 23	13 32	10 22	6 59
T 13	3 48	7 13	2 50	11 0	1 35	6 21	1 25	22 40	0 49	23 0	0 8	12 18	2 37	23 9	0 22	0 23	1 26	0 35	16 2	8 9	8 25	13 29	10 23	6 58
W14	3 25	12 44	3 43	10 28	1 40	5 51	1 25	22 35	0 50	23 0	0 7	12 18	2 37	23 8	0 22	0 22	1 26	0 35	16 3	8 9	8 26	13 26	10 24	6 58
T 15	3 1	17 49	4 26	9 53	1 44	5 22	1 25	22 30	0 51	23 1	0 7	12 17	2 38	23 8	0 22	0 21	1 26	0 35	16 3	8 10	8 27	13 23	10 25	6 58
F 16	2 38	22 14	4 57	9 16	1 47	4 42	1 25	22 25	0 52	23 1	0 7	12 16	2 38	23 8	0 22	0 20	1 26	0 36	16 3	8 11	8 28	13 20	10 26	6 57
S 17	2 15	25 41	5 14	8 38	1 50	4 23	1 25	22 20	0 52	23 2	0 7	12 15	2 38	23 8	0 22	0 20	1 26	0 36	16 3	8 11	8 29	13 17	10 27	6 57
S 18	1 52	27 51	5 15	7 57	1 51	3 53	1 24	22 15	0 53	23 2	0 7	12 14	2 38	23 8	0 22	0 19	1 26	0 37	16 3	8 12	8 31	13 14	10 28	6 56
M19	1 28	28 27	4 58	7 16	1 51	3 23	1 24	22 9	0 54	23 3	0 7	12 13	2 38	23 8	0 22	0 18	1 26	0 37	16 4	8 12	8 32	13 11	10 29	6 56
T 20	1 5	27 18	4 25	6 33	1 51	2 52																		

SWISS EPHEMERIS for the year 1616

OCTOBER 1616 GC

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	0 40 10	8♌ 6'34	20♏ 4	7♋35	9♏43	1♊33	22♌ 2	8°R55	14♏12	3♌ 0	9°R11	8°R48	7♋31	29♏ 2	11°R59
S 2	0 44 7	9° 5'48	2♌41	9°19	10°58	2° 7	22°10	8♌51	14°13	3° 2	9♌10	8♋46	7°28	29° 8	11°R58
M 3	0 48 4	10° 5'04	14°59	11° 3	12°13	2°42	22°18	8°47	14°14	3° 5	9° 9	8°D46	7°25	29°15	11°57
T 4	0 52 0	11° 4'23	27° 2	12°46	13°28	3°16	22°26	8°43	14°15	3° 7	9° 9	8°47	7°22	29°22	11°56
W 5	0 55 57	12° 3'44	8♌55	14°28	14°43	3°50	22°34	8°39	14°16	3° 9	9° 8	8°49	7°18	29°28	11°55
T 6	0 59 53	13° 3'07	20°42	16°10	15°58	4°24	22°43	8°35	14°16	3°11	9° 7	8°51	7°15	29°35	11°54
F 7	1 3 50	14° 2'32	2♏29	17°50	17°13	4°57	22°52	8°31	14°17	3°14	9° 6	8°52	7°12	29°42	11°53
S 8	1 7 46	15° 2'00	14°20	19°30	18°28	5°31	23° 0	8°27	14°18	3°16	9° 5	8°R52	7° 9	29°48	11°52
S 9	1 11 43	16° 1'30	26°17	21°10	19°43	6° 4	23° 9	8°23	14°18	3°18	9° 4	8°51	7° 6	29°55	11°51
M10	1 15 39	17° 1'02	8♌24	22°48	20°58	6°38	23°18	8°18	14°19	3°20	9° 2	8°47	7° 2	0♏ 2	11°50
T 11	1 19 36	18° 0'36	20°41	24°26	22°14	7°11	23°27	8°14	14°19	3°22	9° 1	8°42	6°59	0° 8	11°50
W12	1 23 32	19° 0'12	3♌11	26° 4	23°29	7°44	23°36	8°10	14°20	3°25	9° 0	8°35	6°56	0°15	11°49
T 13	1 27 29	19°59'50	15°54	27°40	24°44	8°17	23°46	8° 5	14°20	3°27	8°59	8°28	6°53	0°21	11°48
F 14	1 31 26	20°59'30	28°49	29°16	25°59	8°50	23°55	8° 1	14°21	3°29	8°58	8°20	6°50	0°28	11°48
S 15	1 35 22	21°59'12	11♌58	0♏52	27°14	9°22	24° 5	7°56	14°21	3°31	8°57	8°13	6°47	0°35	11°47
S 16	1 39 19	22°58'56	25°19	2°26	28°29	9°55	24°15	7°51	14°21	3°33	8°56	8° 8	6°43	0°41	11°47
M17	1 43 15	23°58'42	8♌53	4° 1	29°44	10°27	24°24	7°47	14°21	3°35	8°55	8° 5	6°40	0°48	11°47
T 18	1 47 12	24°58'29	22°40	5°34	0♏59	10°59	24°34	7°42	14°22	3°37	8°54	8°D 4	6°37	0°55	11°47
W19	1 51 8	25°58'18	6♌40	7° 8	2°14	11°31	24°44	7°37	14°22	3°39	8°53	8° 5	6°34	1° 1	11°46
T 20	1 55 5	26°58'08	20°53	8°40	3°29	12° 3	24°54	7°33	14°R22	3°42	8°52	8° 6	6°31	1° 8	11°46
F 21	1 59 1	27°58'01	5♋17	10°12	4°45	12°34	25° 5	7°28	14°22	3°44	8°51	8°R 6	6°28	1°15	11°D46
S 22	2 2 58	28°57'54	19°50	11°44	6° 0	13° 6	25°15	7°23	14°22	3°46	8°50	8° 6	6°24	1°21	11°46
S 23	2 6 55	29°57'50	4♏27	13°15	7°15	13°37	25°25	7°18	14°21	3°48	8°48	8° 3	6°21	1°28	11°46
M24	2 10 51	0♏57'47	19° 2	14°45	8°30	14° 8	25°36	7°14	14°21	3°50	8°47	7°58	6°18	1°35	11°47
T 25	2 14 48	1°57'46	3♌28	16°15	9°45	14°39	25°47	7° 9	14°21	3°52	8°46	7°51	6°15	1°41	11°47
W26	2 18 44	2°57'48	17°40	17°45	11° 0	15°10	25°57	7° 4	14°21	3°54	8°45	7°42	6°12	1°48	11°47
T 27	2 22 41	3°57'51	1♏31	19°14	12°15	15°41	26° 8	6°59	14°20	3°56	8°44	7°32	6° 8	1°55	11°47
F 28	2 26 37	4°57'56	14°59	20°42	13°30	16°11	26°19	6°54	14°20	3°58	8°43	7°23	6° 5	2° 1	11°48
S 29	2 30 34	5°58'03	28° 3	22°10	14°45	16°42	26°30	6°49	14°19	4° 0	8°42	7°15	6° 2	2° 8	11°48
S 30	2 34 30	6°58'13	10♌43	23°38	16° 1	17°12	26°41	6°44	14°19	4° 2	8°41	7° 9	5°59	2°14	11°49
M31	2 38 27	7♏58'24	23♏ 2	25♏ 4	17♏16	17♏42	26♌53	6♌40	14♏18	4♌ 4	8♌40	7♋ 6	5♋56	2♏21	11°R50

Day	☉		☽		♀		♂		♂		♂		♂		♂		♂		♂					
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat				
S 1	3s13	28n14	5n 8	1s53	1n14	2s43	1n15	20n56	1n 6	23s10	0n 5	11n58	2s40	23n 6	0n22	0n 7	1n26	0s42	16s 6	8s17	8s46	12n33	10s39	6n51
S 2	3 37	28 15	4 47	2 39	1 8	3 13	1 14	20 49	1 7	23 10	0 5	11 57	2 40	23 6	0 22	0 6	1 26	0 43	16 6	8 18	8 47	12 30	10 39	6 51
M 3	4 0	26 51	4 13	3 25	1 3	3 44	1 13	20 42	1 8	23 11	0 5	11 56	2 40	23 6	0 23	0 5	1 26	0 43	16 6	8 18	8 48	12 27	10 40	6 50
T 4	4 23	24 13	3 29	4 11	0 57	4 14	1 11	20 36	1 9	23 12	0 5	11 54	2 41	23 6	0 23	0 5	1 26	0 44	16 6	8 18	8 50	12 24	10 41	6 50
W 5	4 47	20 35	2 37	4 56	0 51	4 44	1 10	20 29	1 10	23 12	0 5	11 53	2 41	23 6	0 23	0 4	1 26	0 44	16 6	8 17	8 51	12 20	10 42	6 49
T 6	5 10	16 10	1 38	5 41	0 44	5 15	1 9	20 22	1 11	23 13	0 5	11 51	2 41	23 6	0 23	0 3	1 26	0 44	16 7	8 16	8 52	12 17	10 42	6 49
F 7	5 33	11 9	0 35	6 26	0 38	5 45	1 7	20 14	1 12	23 13	0 4	11 50	2 41	23 6	0 23	0 2	1 26	0 45	16 7	8 16	8 53	12 14	10 43	6 49
S 8	5 56	5 43	0s30	7 10	0 31	6 15	1 6	20 7	1 13	23 14	0 4	11 49	2 41	23 6	0 23	0 1	1 26	0 45	16 7	8 16	8 54	12 11	10 44	6 48
S 9	6 19	0 3	1 34	7 53	0 25	6 45	1 4	20 0	1 15	23 15	0 4	11 47	2 41	23 6	0 23	0 0	1 26	0 46	16 7	8 16	8 56	12 8	10 44	6 48
M10	6 42	5s41	2 34	8 36	0 18	7 14	1 3	19 53	1 16	23 15	0 4	11 46	2 41	23 6	0 23	0s 1	1 26	0 46	16 7	8 18	8 57	12 5	10 45	6 47
T 11	7 5	11 18	3 28	9 19	0 11	7 44	1 1	19 45	1 17	23 16	0 4	11 44	2 41	23 6	0 23	0 1	1 26	0 46	16 7	8 20	8 58	12 1	10 46	6 47
W12	7 27	16 33	4 12	10 1	0 5	8 13	0 59	19 38	1 18	23 16	0 4	11 43	2 41	23 6	0 23	0 2	1 26	0 47	16 7	8 22	8 59	11 58	10 46	6 46
T 13	7 50	21 11	4 46	10 42	0s 2	8 42	0 58	19 30	1 19	23 17	0 4	11 41	2 41	23 6	0 23	0 3	1 26	0 47	16 7	8 25	9 0	11 55	10 47	6 46
F 14	8 13	24 53	5 5	11 23	0 9	9 11	0 56	19 23	1 20	23 17	0 4	11 40	2 41	23 6	0 23	0 4	1 26	0 48	16 7	8 28	9 1	11 52	10 47	6 45
S 15	8 35	27 22	5 8	12 3	0 16	9 40	0 54	19 15	1 21	23 18	0 4	11 38	2 42	23 6	0 23	0 5	1 26	0 48	16 7	8 30	9 3	11 49	10 48	6 45
S 16	8 57	28 20	4 55	12 42	0 23	10 9	0 52	19 7	1 22	23 19	0 3	11 37	2 42	23 6	0 23	0 6	1 26	0 48	16 8	8 32	9 4	11 46	10 49	6 44
M17	9 19	27 37	4 26	13 21	0 29	10 37	0 50	19 0	1 23	23 19	0 3	11 35	2 42	23 6	0 23	0 6	1 26	0 49	16 8	8 33	9 5	11 42	10 49	6 44
T 18	9 41	25 12	3 40	13 59	0 36	11 5	0 48	18 52	1 24	23 20	0 3	11 34	2 42	23 6	0 23	0 7	1 26	0 49	16 8	8 34	9 6	11 39	10 50	6 43
W19	10 3	21 15	2 41	14 36	0 43	11 33	0 46	18 44	1 25	23 20	0 3	11 32	2 42	23 6	0 23	0 8	1 27	0 50	16 8	8 34	9 7	11 36	10 50	6 43
T 20	10 25	16 1	1 32	15 12	0 49	12 1	0 44	18 36	1 27	23 21	0 3	11 30	2 42	23 6	0 23	0 9	1 27	0 50	16 8	8 33	9 8	11 33	10 51	6 43
F 21	10 46	9 50	0 15	15 48	0 56	12 28	0 42	18 28	1 28	23 21	0 3	11 29	2 42	23 6	0 23	0 10	1 27	0 50	16 8	8 33	9 10	11 30	10 51	6 42
S 22	11 8	3 4	1n 3	16 23	1 3	12 55	0 40	18 20	1 29	23 22	0 3	11 27	2 42	23 6	0 23	0 10	1 27	0 51	16 8	8 33	9 11	11 26	10 51	6 42
S 23	11 29	3n52	2 17	16 57	1 9	13 22	0 38	18 13	1 30	23 22	0 3	11 26	2 42	23 6	0 23	0 11	1 27	0 51	16 8	8 34	9 12	11 23	10 52	6 41
M24	11 50	10 34	3 22	17 30	1 15	13 48	0 36	18 5	1 31	23 23	0 3	11 24	2 42	23 6	0 23	0 12	1 27	0 51	16 8	8 36	9 13</			

SWISS EPHEMERIS for the year 1616

NOVEMBER 1616 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	2 42 24	8♁58'38	5♁ 6	26♁31	18♁31	18♁12	27♁ 4	6°R35	14°R18	4♁ 6	8°R38	7°D 5	5♁53	2♁28	11♁50
W 2	2 46 20	9°58'53	16°59	27°56	19°46	18°41	27°15	6♁30	14♁17	4° 8	8♁37	7♁ 5	5°49	2°34	11°51
T 3	2 50 17	10°59'11	28°47	29°21	21° 1	19°10	27°27	6°25	14°16	4° 9	8°36	7° 5	5°46	2°41	11°52
F 4	2 54 13	11°59'30	10♁35	0♁45	22°16	19°39	27°38	6°20	14°16	4°11	8°35	7°R 6	5°43	2°48	11°53
S 5	2 58 10	12°59'52	22°28	2° 9	23°32	20° 8	27°50	6°15	14°15	4°13	8°34	7° 4	5°40	2°54	11°54
S 6	3 2 6	14° 0'15	4♁31	3°31	24°47	20°37	28° 2	6°11	14°14	4°15	8°33	7° 1	5°37	3° 1	11°55
M 7	3 6 3	15° 0'40	16°47	4°53	26° 2	21° 6	28°13	6° 6	14°13	4°17	8°32	6°55	5°34	3° 8	11°56
T 8	3 9 59	16° 1'07	29°19	6°13	27°17	21°34	28°25	6° 1	14°12	4°19	8°31	6°46	5°30	3°14	11°57
W 9	3 13 56	17° 1'36	12♁ 7	7°32	28°32	22° 2	28°37	5°56	14°11	4°20	8°29	6°34	5°27	3°21	11°58
T 10	3 17 53	18° 2'07	25°11	8°50	29°47	22°30	28°49	5°52	14°10	4°22	8°28	6°22	5°24	3°28	11°59
F 11	3 21 49	19° 2'39	8♁31	10° 7	1♁ 3	22°57	29° 1	5°47	14° 9	4°24	8°27	6° 9	5°21	3°34	12° 1
S 12	3 25 46	20° 3'12	22° 3	11°21	2°18	23°24	29°14	5°42	14° 8	4°26	8°26	5°58	5°18	3°41	12° 2
S 13	3 29 42	21° 3'48	5♁35	12°34	3°33	23°52	29°26	5°38	14° 6	4°27	8°25	5°49	5°14	3°47	12° 4
M14	3 33 39	22° 4'24	19°34	13°45	4°48	24°18	29°38	5°33	14° 5	4°29	8°24	5°42	5°11	3°54	12° 5
T 15	3 37 35	23° 5'01	3♁30	14°53	6° 3	24°45	29°51	5°29	14° 4	4°30	8°23	5°39	5° 8	4° 1	12° 7
W16	3 41 32	24° 5'40	17°30	15°59	7°18	25°11	0♁ 3	5°24	14° 2	4°32	8°22	5°38	5° 5	4° 7	12° 9
T 17	3 45 29	25° 6'20	1♁34	17° 1	8°34	25°37	0°16	5°20	14° 1	4°34	8°21	5°37	5° 2	4°14	12°10
F 18	3 49 25	26° 7'01	15°42	18° 0	9°49	26° 3	0°28	5°15	14° 0	4°35	8°20	5°37	4°59	4°21	12°12
S 19	3 53 22	27° 7'42	29°51	18°54	11° 4	26°28	0°41	5°11	13°58	4°37	8°19	5°36	4°55	4°27	12°14
S 20	3 57 18	28° 8'25	14°Y 2	19°44	12°19	26°54	0°54	5° 7	13°57	4°38	8°17	5°31	4°52	4°34	12°16
M21	4 1 15	29° 9'09	28°10	20°29	13°34	27°18	1° 6	5° 2	13°55	4°40	8°16	5°24	4°49	4°41	12°18
T 22	4 5 11	0♁9'55	12♁11	21° 8	14°49	27°43	1°19	4°58	13°53	4°41	8°15	5°14	4°46	4°47	12°20
W23	4 9 8	1°10'41	26° 2	21°40	16° 4	28° 7	1°32	4°54	13°52	4°43	8°14	5° 2	4°43	4°54	12°22
T 24	4 13 4	2°11'29	9♁38	22° 4	17°19	28°31	1°45	4°50	13°50	4°44	8°13	4°49	4°40	5° 1	12°24
F 25	4 17 1	3°12'18	22°55	22°21	18°35	28°55	1°58	4°46	13°48	4°45	8°12	4°36	4°36	5° 7	12°26
S 26	4 20 58	4°13'09	5♁53	22°R28	19°50	29°19	2°11	4°42	13°46	4°47	8°11	4°24	4°33	5°14	12°28
S 27	4 24 54	5°14'00	18°30	22°25	21° 5	29°42	2°24	4°38	13°45	4°48	8°10	4°15	4°30	5°21	12°31
M28	4 28 51	6°14'53	0♁49	22°12	22°20	0♁ 4	2°37	4°35	13°43	4°49	8° 9	4° 9	4°27	5°27	12°33
T 29	4 32 47	7°15'47	12°53	21°47	23°35	0°27	2°50	4°31	13°41	4°51	8° 8	4° 6	4°24	5°34	12°36
W30	4 36 44	8♁16'43	24♁47	21♁12	24♁50	0♁49	3♁ 4	4♁27	13♁39	4♁52	8♁ 7	4♁ 4	4♁20	5♁40	12♁38

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	14s31	21n39	2n42	21s22	2s 0	17s 5	0n18	17n 1	1n41	23s26	0n 2	11n12	2s42	23n 7	0n23	0s18	1n27	0s54	16s 8	8s56	9s23	10n54	10s55	6n37
W 2	14 50	17 27	1 45	21 46	2 5	17 28	0 15	16 53	1 42	23 26	0 2	11 10	2 42	23 7	0 23	0 19	1 27	0 54	16 8	8 56	9 24	10 51	10 55	6 36
T 3	15 9	12 37	0 44	22 10	2 9	17 51	0 13	16 45	1 43	23 27	0 1	11 9	2 42	23 7	0 23	0 20	1 27	0 55	16 8	8 56	9 25	10 48	10 55	6 36
F 4	15 28	7 20	0s19	22 32	2 14	18 12	0 11	16 37	1 45	23 27	0 1	11 7	2 41	23 7	0 23	0 20	1 27	0 55	16 8	8 56	9 26	10 45	10 56	6 35
S 5	15 46	1 45	1 21	22 53	2 17	18 34	0 8	16 29	1 46	23 27	0 1	11 6	2 41	23 7	0 23	0 21	1 27	0 55	16 8	8 56	9 27	10 42	10 56	6 35
S 6	16 5	3s57	2 21	23 13	2 21	18 55	0 6	16 21	1 47	23 27	0 1	11 4	2 41	23 7	0 23	0 22	1 27	0 56	16 8	8 57	9 28	10 38	10 56	6 34
M 7	16 22	9 36	3 15	23 31	2 24	19 15	0 3	16 13	1 49	23 28	0 1	11 3	2 41	23 7	0 24	0 22	1 27	0 56	16 8	9 0	9 30	10 35	10 56	6 34
T 8	16 40	15 0	4 0	23 49	2 27	19 35	0 1	16 5	1 50	23 28	0 1	11 1	2 41	23 7	0 24	0 23	1 27	0 56	16 8	9 3	9 31	10 32	10 56	6 34
W 9	16 57	19 51	4 35	24 5	2 30	19 54	0s 2	15 57	1 51	23 28	0 1	11 0	2 41	23 8	0 24	0 24	1 27	0 56	16 8	9 7	9 32	10 29	10 56	6 33
T 10	17 14	23 53	4 56	24 19	2 32	20 13	0 4	15 49	1 53	23 28	0 1	10 58	2 41	23 8	0 24	0 24	1 27	0 57	16 8	9 12	9 33	10 25	10 57	6 33
F 11	17 31	26 43	5 1	24 32	2 33	20 31	0 7	15 41	1 54	23 29	0 1	10 57	2 41	23 8	0 24	0 25	1 27	0 57	16 7	9 16	9 34	10 22	10 57	6 32
S 12	17 48	28 4	4 50	24 44	2 34	20 49	0 9	15 34	1 55	23 29	0 0	10 55	2 41	23 8	0 24	0 26	1 27	0 57	16 7	9 21	9 35	10 19	10 57	6 32
S 13	18 4 27	43 4	22 24	24 55	2 35	21 6	0 12	15 26	1 57	23 29	0 0	10 54	2 41	23 8	0 24	0 26	1 27	0 57	16 7	9 24	9 37	10 16	10 57	6 31
M14	18 20	25 39	3 38	25 4	2 35	21 22	0 14	15 18	1 58	23 29	0 0	10 53	2 40	23 8	0 24	0 27	1 27	0 58	16 7	9 26	9 38	10 12	10 57	6 31
T 15	18 35	22 2	2 41	25 11	2 34	21 38	0 16	15 11	1 59	23 29	0 0	10 51	2 40	23 8	0 24	0 27	1 27	0 58	16 7	9 28	9 39	10 9	10 57	6 30
W16	18 50	17 7	1 34	25 17	2 33	21 53	0 19	15 3	2 1	23 29	0 0	10 50	2 40	23 9	0 24	0 28	1 27	0 58	16 7	9 28	9 40	10 6	10 57	6 30
T 17	19 5	11 16	0 21	25 21	2 31	22 8	0 21	14 55	2 2	23 29	0s 0	10 49	2 40	23 9	0 24	0 29	1 28	0 58	16 7	9 28	9 41	10 3	10 57	6 29
F 18	19 19	4 50	0n53	25 24	2 27	22 22	0 24	14 48	2 4	23 30	0 0	10 47	2 40	23 9	0 24	0 29	1 28	0 59	16 7	9 28	9 42	9 59	10 57	6 29
S 19	19 34	1n51	2 4	25 25	2 24	22 35	0 26	14 41	2 5	23 30	0 0	10 46	2 40	23 9	0 24	0 30	1 28	0 59	16 7	9 29	9 44	9 56	10 57	6 28
S 20	19 47	8 26	3 8	25 24	2 19	22 48	0 29	14 33	2 7	23 30	0 0	10 45	2 40	23 9	0 24	0 30	1 28	0 59	16 6	9 30	9 45	9 53	10 57	6 28
M21	20 1	14 34	4 0	25 21	2 13	22 59	0 31	14 26	2 8	23 30	0 0	10 43	2 39	23 10	0 24	0 31	1 28	0 59	16 6	9 33	9 46	9 50	10 56	6 28
T 22	20 14	19 54	4 37	25 17	2 6	23 11	0 33	14 19	2 10	23 30	0 1	10 42	2 39	23 10	0 24	0 31	1 28	0 59	16 6	9 37	9 47	9 46	10 56	6 27
W23	20 26	24 6	4 56	25 11	1 57	23 21	0 36	14 12	2 11	23 30	0 1	10 41	2 39	23 10	0 24	0 32	1 28	0 59	16 6	9 41	9 48	9 43	10 56	6 27
T 24	20 39	26 52	4 59	25 3	1 48	23 31	0 38	14 5	2 13	23 29	0 1	10 40	2 39	23 10	0 24	0 33	1 28	1 0	16 6	9 46	9 49	9 40	10 56	6 26
F 25	20 51	28 3	4 45	24 53	1 37	23 40	0 40	13 58	2 14	23 29	0 1	10 39	2 39	23 10	0 24	0 33	1 28	1 0	16 6	9 51	9 51	9 37	10 56	6 26
S 26	21 2	27 38	4 17	24 41	1 25	23 49	0 43	13 51	2 16	23 29	0 1	10 38	2 39	23 11	0 24	0 33	1 28	1 0	16 6	9 55	9 52	9 33	10 56	6 25
S 27	21 13	25 47	3 36	24 27	1 11	23 56	0 45	13 45	2 17	23 29	0 1	10 37	2 38	23 11	0 24	0 34	1 28	1 0	16 5	9 58	9 53	9 30	10 55	6 25
M28	21 24	22 43	2 46	24 11	0 56	24 3	0 47	13 38	2 19	23 29	0 1	10 35	2 38	23 11	0 24	0 34	1 28	1 0	16 5	10 1	9 54	9 27	10 55	6 25
T 29	21 34	18 44	1 50	23 53	0 39	24 10	0 49	13 31	2 20	23 29	0 1	10 34	2 38	23 11	0 24	0 35	1 28	1 0	16 5	10 2	9 55	9 24	10 55	6 24
W30	21s44	14n 4	0n49	23s33	0s21	24s15	0s52	13n25	2n22	23s29	0s 1	10n33	2s38											

SWISS EPHEMERIS for the year 1616

DECEMBER 1616 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	4 40 40	9♂17'39	6♉35	20°R25	26♂ 5	1♉11	3♁17	4°R24	13°R37	4♁53	8°R 6	4°R 4	4♁17	5♉47	12♁41
F 2	4 44 37	10°18'37	18°23	19♂28	27°20	1°32	3°30	4♁20	13°35	4°54	8♁ 6	4♁ 4	4°14	5°54	12°43
S 3	4 48 33	11°19'36	0♁17	18°21	28°35	1°53	3°44	4°17	13°33	4°55	8° 5	4° 3	4°11	6° 0	12°46
S 4	4 52 30	12°20'37	12°21	17° 7	29°51	2°13	3°57	4°14	13°31	4°57	8° 4	3°59	4° 8	6° 7	12°49
M 5	4 56 27	13°21'38	24°42	15°47	1♁ 6	2°34	4°11	4°10	13°29	4°58	8° 3	3°53	4° 5	6°14	12°51
T 6	5 0 23	14°22'41	7♉22	14°24	2°21	2°53	4°24	4° 7	13°26	4°59	8° 2	3°44	4° 1	6°20	12°54
W 7	5 4 20	15°23'44	20°23	13° 1	3°36	3°13	4°38	4° 4	13°24	5° 0	8° 1	3°33	3°58	6°27	12°57
T 8	5 8 16	16°24'49	3♁46	11°42	4°51	3°32	4°51	4° 1	13°22	5° 1	8° 0	3°21	3°55	6°34	13° 0
F 9	5 12 13	17°25'54	17°28	10°27	6° 6	3°50	5° 5	3°58	13°20	5° 2	7°59	3° 8	3°52	6°40	13° 3
S 10	5 16 9	18°27'00	1♁26	9°20	7°21	4° 8	5°18	3°56	13°17	5° 3	7°59	2°56	3°49	6°47	13° 6
S 11	5 20 6	19°28'07	15°36	8°21	8°36	4°26	5°32	3°53	13°15	5° 3	7°58	2°47	3°46	6°54	13° 9
M 12	5 24 2	20°29'14	29°51	7°34	9°51	4°43	5°46	3°50	13°13	5° 4	7°57	2°40	3°42	7° 0	13°12
T 13	5 27 59	21°30'22	14♁ 8	6°57	11° 6	5° 0	5°59	3°48	13°10	5° 5	7°56	2°36	3°39	7° 7	13°15
W 14	5 31 56	22°31'29	28°23	6°31	12°21	5°16	6°13	3°46	13° 8	5° 6	7°55	2°D35	3°36	7°13	13°18
T 15	5 35 52	23°32'37	12♁33	6°15	13°36	5°32	6°27	3°43	13° 6	5° 7	7°55	2°35	3°33	7°20	13°22
F 16	5 39 49	24°33'45	26°38	6°D11	14°51	5°48	6°41	3°41	13° 3	5° 7	7°54	2°R35	3°30	7°27	13°25
S 17	5 43 45	25°34'54	10♁36	6°15	16° 6	6° 2	6°54	3°39	13° 1	5° 8	7°53	2°34	3°26	7°33	13°28
S 18	5 47 42	26°36'02	24°27	6°29	17°21	6°17	7° 8	3°37	12°58	5° 9	7°52	2°31	3°23	7°40	13°32
M 19	5 51 38	27°37'10	8♁10	6°51	18°36	6°30	7°22	3°35	12°56	5° 9	7°52	2°25	3°20	7°47	13°35
T 20	5 55 35	28°38'19	21°45	7°20	19°51	6°44	7°36	3°33	12°53	5°10	7°51	2°17	3°17	7°53	13°38
W 21	5 59 31	29°39'28	5♁ 9	7°56	21° 6	6°56	7°50	3°32	12°51	5°11	7°50	2° 6	3°14	8° 0	13°42
T 22	6 3 28	0♁40'37	18°21	8°38	22°21	7° 9	8° 4	3°30	12°48	5°11	7°50	1°55	3°11	8° 7	13°45
F 23	6 7 25	1°41'46	1♁19	9°26	23°36	7°20	8°18	3°29	12°46	5°12	7°49	1°44	3° 7	8°13	13°49
S 24	6 11 21	2°42'55	14° 2	10°18	24°51	7°31	8°32	3°28	12°43	5°12	7°49	1°34	3° 4	8°20	13°53
S 25	6 15 18	3°44'05	26°30	11°14	26° 6	7°42	8°46	3°26	12°41	5°13	7°48	1°26	3° 1	8°27	13°56
M 26	6 19 14	4°45'14	8♁43	12°13	27°21	7°52	8°59	3°25	12°38	5°13	7°47	1°21	2°58	8°33	14° 0
T 27	6 23 11	5°46'24	20°44	13°16	28°35	8° 1	9°13	3°24	12°36	5°13	7°47	1°18	2°55	8°40	14° 4
W 28	6 27 7	6°47'34	2♉37	14°22	29°50	8°10	9°27	3°23	12°33	5°14	7°46	1°D17	2°52	8°47	14° 7
T 29	6 31 4	7°48'44	14°24	15°31	1♁ 5	8°18	9°41	3°23	12°30	5°14	7°46	1°18	2°48	8°53	14°11
F 30	6 35 1	8°49'54	26°12	16°42	2°20	8°25	9°55	3°22	12°28	5°14	7°45	1°19	2°45	9° 0	14°15
S 31	6 38 57	9♁51'05	8♁ 5	17♁55	3♁35	8♉32	10♁ 9	3♁21	12°25	5♁14	7♁45	1°R20	2♁42	9♉ 6	14♁19

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	21s54	8n55	0s13	23s11	0s 2	24s20	0s54	13n19	2n23	23s28	0s 1	10n32	2s38	23n12	0n24
F 2	22 3	3 27	1 15	22 46	0n18	24 24	0 56	13 13	2 25	23 28	0 1	10 31	2 37	23 12	0 24
S 3	22 11	2s10	2 14	22 21	0 38	24 27	0 58	13 7	2 27	23 28	0 2	10 31	2 37	23 12	0 24
S 4	22 19	7 47	3 8	21 54	0 58	24 30	1 0	13 1	2 28	23 28	0 2	10 30	2 37	23 12	0 24
M 5	22 27	13 13	3 54	21 26	1 18	24 31	1 2	12 55	2 30	23 27	0 2	10 29	2 37	23 13	0 24
T 6	22 34	18 15	4 30	20 58	1 37	24 32	1 4	12 49	2 32	23 27	0 2	10 28	2 36	23 13	0 24
W 7	22 41	22 35	4 53	20 31	1 55	24 33	1 6	12 44	2 33	23 27	0 2	10 27	2 36	23 13	0 24
T 8	22 48	25 52	5 1	20 5	2 10	24 32	1 8	12 39	2 35	23 26	0 2	10 26	2 36	23 13	0 24
F 9	22 54	27 44	4 52	19 42	2 24	24 31	1 10	12 33	2 37	23 26	0 2	10 26	2 36	23 13	0 24
S 10	22 59	27 54	4 25	19 21	2 35	24 29	1 12	12 28	2 39	23 25	0 2	10 25	2 35	23 14	0 24
S 11	23 4 26	15 3	4 42	19 3	2 44	24 26	1 14	12 24	2 40	23 25	0 2	10 24	2 35	23 14	0 24
M 12	23 9 22	54 2	4 48	18 49	2 50	24 22	1 15	12 19	2 42	23 24	0 2	10 24	2 35	23 14	0 24
T 13	23 13 18	10 1	3 36	18 39	2 54	24 18	1 17	12 14	2 44	23 24	0 3	10 23	2 35	23 14	0 24
W 14	23 17 12	25 0	2 22	18 33	2 57	24 13	1 19	12 10	2 46	23 23	0 3	10 23	2 34	23 15	0 24
T 15	23 20 6	3 0n53	18 30	2 57	24 7	1 20	12 6	2 48	23 23	0 3	10 22	2 34	23 15	0 24	0 40
F 16	23 23 0n33	2 4	18 30	2 56	24 1	1 22	12 2	2 50	23 22	0 3	10 22	2 34	23 15	0 24	0 41
S 17	23 25 7 5	3 8	18 33	2 53	23 54	1 23	11 58	2 51	23 22	0 3	10 21	2 34	23 16	0 24	0 41
S 18	23 27 13 12	4 0	18 39	2 50	23 46	1 25	11 55	2 53	23 21	0 3	10 21	2 33	23 16	0 24	0 41
M 19	23 28 18 37	4 37	18 48	2 45	23 37	1 26	11 51	2 55	23 20	0 3	10 20	2 33	23 16	0 24	0 41
T 20	23 29 23 2	4 58	18 58	2 39	23 27	1 27	11 48	2 57	23 20	0 3	10 20	2 33	23 16	0 24	0 42
W 21	23 29 26 10	5 3	19 10	2 33	23 17	1 28	11 45	2 59	23 19	0 3	10 20	2 32	23 17	0 24	0 42
T 22	23 29 27 49	4 51	19 23	2 26	23 6	1 30	11 42	3 1	23 18	0 3	10 19	2 32	23 17	0 25	0 42
F 23	23 29 27 54	4 24	19 38	2 19	22 55	1 31	11 40	3 3	23 17	0 4	10 19	2 32	23 17	0 25	0 42
S 24	23 28 26 29	3 45	19 53	2 11	22 43	1 32	11 37	3 5	23 17	0 4	10 19	2 32	23 17	0 25	0 42
S 25	23 26 23 46	2 55	20 9	2 3	22 30	1 33	11 35	3 7	23 16	0 4	10 19	2 31	23 18	0 25	0 42
M 26	23 24 20 1	1 58	20 25	1 55	22 16	1 34	11 33	3 9	23 15	0 4	10 19	2 31	23 18	0 25	0 42
T 27	23 22 15 30	0 56	20 41	1 46	22 2	1 35	11 32	3 11	23 14	0 4	10 19	2 31	23 18	0 25	0 42
W 28	23 19 10 27	0s 7	20 57	1 38	21 47	1 35	11 30	3 13	23 13	0 4	10 19	2 30	23 18	0 25	0 43
T 29	23 16 5 5	1 10	21 14	1 29	21 31	1 36	11 29	3 15	23 12	0 4	10 19	2 30	23 19	0 25	0 43
F 30	23 12 0s28	2 10	21 29	1 20	21 15	1 37	11 28	3 17	23 11	0 4	10 19	2 30	23 19	0 25	0 43
S 31	23s 7	6s 3	3s 5	21s45	1n12	20s58	1s37	11n28	3n19	23s10	0s 4	10n19	2s30	23n19	0n25

Julian Day Number = 2311626.5, Delta T = 121.30 sec
 Ecliptic obliquity = 23°29'29", Nutation = 0°00'06"
 Ayanamsha: Fagan/Bradley = 19°23'38", Lahiri = 18°30'38"Greg. Calendar