

SWISS EPHEMERIS for the year 1610

JANUARY 1610 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
F 1	6 41 40	10♁33'47	17♁4	17♁28	8♁42	28♁57	13°R 9	10♁19	10°R 1	19°R54	1°R 2	17♁35	18♁3	24♁29	28♁46
S 2	6 45 37	11°34'58	0♁34	18°25	9°56	29°38	13II 3	10°25	9II59	19II54	1♁1	17°35	17°59	24°36	28°53
S 3	6 49 33	12°36'08	14°22	19°26	11°10	0♁19	12°57	10°32	9°57	19°53	1°1	17°R35	17°56	24°42	28°59
M 4	6 53 30	13°37'17	28°28	20°30	12°24	1°0	12°51	10°38	9°55	19°53	1°1	17°35	17°53	24°49	29°5
T 5	6 57 26	14°38'26	12♁49	21°36	13°38	1°41	12°45	10°45	9°53	19°52	1°1	17°35	17°50	24°56	29°11
W 6	7 1 23	15°39'35	27°23	22°45	14°52	2°23	12°39	10°52	9°51	19°52	1°0	17°35	17°47	25°3	29°18
T 7	7 5 19	16°40'43	12II 6	23°55	16°7	3°4	12°33	10°59	9°50	19°51	1°0	17°35	17°44	25°9	29°24
F 8	7 9 16	17°41'50	26°52	25°8	17°21	3°45	12°28	11°5	9°48	19°51	1°0	17°D35	17°40	25°16	29°30
S 9	7 13 13	18°42'57	11♁32	26°23	18°35	4°26	12°23	11°12	9°46	19°50	1°0	17°R35	17°37	25°23	29°36
S 10	7 17 9	19°44'03	26°1	27°39	19°49	5°7	12°18	11°19	9°44	19°49	1°0	17°35	17°34	25°29	29°42
M11	7 21 6	20°45'09	10♁13	28°57	21°4	5°49	12°13	11°26	9°42	19°49	1°0	17°35	17°31	25°36	29°49
T 12	7 25 2	21°46'14	24°3	0♁15	22°18	6°30	12°8	11°33	9°41	19°48	1°0	17°34	17°28	25°43	29°55
W13	7 28 59	22°47'19	7II30	1°36	23°33	7°11	12°3	11°40	9°39	19°47	1°0	17°34	17°25	25°49	0♁1
T 14	7 32 55	23°48'23	20°32	2°57	24°47	7°52	11°59	11°47	9°37	19°47	1°0	17°33	17°21	25°56	0°7
F 15	7 36 52	24°49'27	3♁13	4°19	26°1	8°34	11°55	11°54	9°36	19°46	1°D 0	17°32	17°18	26°3	0°13
S 16	7 40 48	25°50'31	15°34	5°43	27°16	9°15	11°51	12°1	9°34	19°45	1°0	17°32	17°15	26°9	0°19
S 17	7 44 45	26°51'34	27°41	7°7	28°30	9°57	11°47	12°8	9°33	19°44	1°0	17°D31	17°12	26°16	0°25
M18	7 48 42	27°52'36	9II37	8°32	29°45	10°38	11°43	12°15	9°31	19°43	1°0	17°32	17°9	26°23	0°31
T 19	7 52 38	28°53'38	21°28	9°58	0♁59	11°19	11°40	12°22	9°30	19°43	1°0	17°32	17°5	26°30	0°37
W20	7 56 35	29°54'40	3♁18	11°25	2°13	12°1	11°36	12°29	9°28	19°42	1°0	17°34	17°2	26°36	0°42
T 21	8 0 31	0♁55'40	15°12	12°53	3°28	12°42	11°33	12°36	9°27	19°41	1°0	17°35	16°59	26°43	0°48
F 22	8 4 28	1°56'41	27°13	14°21	4°42	13°24	11°30	12°43	9°26	19°40	1°0	17°36	16°56	26°50	0°54
S 23	8 8 24	2°57'40	9♁25	15°51	5°57	14°6	11°28	12°50	9°24	19°39	1°0	17°37	16°53	26°56	1°0
S 24	8 12 21	3°58'39	21°50	17°21	7°12	14°47	11°25	12°57	9°23	19°38	1°1	17°R37	16°50	27°3	1°5
M25	8 16 18	4°59'36	4♁29	18°51	8°26	15°29	11°23	13°5	9°22	19°37	1°1	17°36	16°46	27°10	1°11
T 26	8 20 14	6°0'33	17°23	20°23	9°41	16°10	11°21	13°12	9°21	19°36	1°1	17°35	16°43	27°16	1°17
W27	8 24 11	7°1'28	0♁32	21°55	10°55	16°52	11°19	13°19	9°20	19°34	1°1	17°32	16°40	27°23	1°22
T 28	8 28 7	8°2'22	13°54	23°28	12°10	17°34	11°17	13°26	9°19	19°33	1°2	17°29	16°37	27°30	1°28
F 29	8 32 4	9°3'15	27°29	25°1	13°24	18°15	11°16	13°33	9°18	19°32	1°2	17°26	16°34	27°36	1°33
S 30	8 36 0	10°4'06	11♁15	26°36	14°39	18°57	11°14	13°41	9°17	19°31	1°2	17°23	16°31	27°43	1°39
S 31	8 39 57	11♁4'56	25♁11	28♁11	15♁53	19♁39	11II13	13♁48	9II16	19II30	1♁3	17♁21	16♁27	27II50	1♁44

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	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
F 1	23s 4	9s19	4s34	20s16	1n58	20s24	1n25	19s41	0n17	21n56	0s30	18s34	0s54	22n 0	0s 0	5n 6	1n11	3s42	16s34	22n20	22n16	14s55	17s50
S 2	22 59	4 25	5 4	21 10	1 49	20 37	1 23	19 51	0 16	21 55	0 30	18 32	0 54	21 59	0 0	5 6	1 12	3 42	16 33	22 20	22 17	14 57	17 50
S 3	22 53	0n48	5 17	21 24	1 40	20 50	1 20	20 0	0 16	21 54	0 30	18 30	0 54	21 59	0 0	5 7	1 12	3 42	16 33	22 20	22 17	14 59	17 50
M 4	22 47	6 5	5 12	21 38	1 31	21 3	1 18	20 9	0 15	21 54	0 30	18 28	0 54	21 59	0 0	5 7	1 12	3 41	16 33	22 20	22 17	15 1	17 50
T 5	22 41	11 9	4 47	21 51	1 22	21 14	1 15	20 18	0 14	21 53	0 29	18 26	0 54	21 58	0 0	5 7	1 12	3 41	16 32	22 20	22 18	15 3	17 49
W 6	22 34	15 39	4 4	22 4	1 13	21 25	1 13	20 27	0 14	21 53	0 29	18 25	0 54	21 58	0 0	5 7	1 12	3 41	16 32	22 20	22 18	15 5	17 49
T 7	22 27	19 14	3 5	22 17	1 4	21 36	1 10	20 36	0 13	21 52	0 29	18 23	0 54	21 58	0 0	5 8	1 12	3 40	16 32	22 20	22 19	15 7	17 49
F 8	22 19	21 35	1 53	22 28	0 56	21 46	1 8	20 44	0 12	21 52	0 29	18 21	0 54	21 58	0 0	5 8	1 12	3 40	16 31	22 20	22 19	15 9	17 49
S 9	22 11	22 26	0 34	22 40	0 47	21 55	1 5	20 53	0 12	21 51	0 29	18 19	0 54	21 57	0 0	5 8	1 12	3 40	16 31	22 20	22 20	15 11	17 49
S 10	22 2 21	45 0n47	22 50	0 38	22 3	1 3	21 1	0 11	21 51	0 28	18 17	0 54	21 57	0 0	5 8	1 12	3 40	16 31	22 20	22 20	15 14	17 48	
M11	21 53	19 41	2 3	23 0	0 29	22 11	1 0	21 9	0 10	21 50	0 28	18 15	0 54	21 57	0 0	5 9	1 12	3 39	16 30	22 20	22 20	15 16	17 48
T 12	21 43	16 30	3 9	23 8	0 21	22 19	0 57	21 17	0 10	21 50	0 28	18 13	0 54	21 57	0 0	5 9	1 12	3 39	16 30	22 20	22 21	15 18	17 48
W13	21 34	12 32	4 3	23 16	0 13	22 25	0 55	21 24	0 9	21 49	0 28	18 12	0 54	21 56	0 0	5 9	1 12	3 39	16 30	22 20	22 21	15 20	17 48
T 14	21 23	8 5	4 43	23 23	0 4	22 31	0 52	21 32	0 8	21 49	0 28	18 10	0 54	21 56	0 0	5 10	1 12	3 38	16 29	22 20	22 22	15 22	17 47
F 15	21 12	3 25	5 7	23 29	0s 4	22 37	0 49	21 39	0 8	21 49	0 27	18 8	0 54	21 56	0 0	5 10	1 12	3 38	16 29	22 20	22 22	15 24	17 47
S 16	21 1	1s16	5 17	23 33	0 11	22 41	0 46	21 46	0 7	21 48	0 27	18 6	0 54	21 56	0 0	5 10	1 12	3 38	16 29	22 20	22 22	15 26	17 47
S 17	20 50	5 49	5 12	23 37	0 19	22 45	0 44	21 53	0 6	21 48	0 27	18 4	0 54	21 55	0 0	5 11	1 12	3 37	16 28	22 20	22 23	15 28	17 47
M18	20 38	10 4	4 54	23 39	0 26	22 48	0 41	22 0	0 5	21 48	0 27	18 2	0 55	21 55	0 0	5 11	1 12	3 37	16 28	22 20	22 23	15 30	17 46
T 19	20 25	13 56	4 23	23 40	0 34	22 51	0 38	22 6	0 5	21 48	0 27	18 0	0 55	21 55	0 0	5 11	1 12	3 37	16 27	22 20	22 24	15 32	17 46
W20	20 13	17 14	3 42	23 40	0 41	22 53	0 35	22 13	0 4	21 47	0 26	17 58	0 55	21 55	0 0	5 12	1 12	3 36	16 27	22 20	22 24	15 34	17 46
T 21	20 0	19 51	2 50	23 39	0 47	22 54	0 33	22 19	0 3	21 47	0 26	17 56	0 55	21 55	0 0	5 12	1 12	3 36	16 27	22 20	22 24	15 36	17 45
F 22	19 46	21 37	1 51	23 37	0 54	22 55	0 30	22 25	0 2	21 47	0 26	17 54	0 55	21 54	0 0	5 13	1 12	3 35	16 26	22 20	22 25	15 38	17 45
S 23	19 32	22 24	0 45	23 33	1 0	22 54	0 27	22 31	0 2	21 47	0 26	17 52	0 55	21 54	0 0	5 13	1 12	3 35	16 26	22 20	22 25	15 41	17 44
S 24	19 18	22 6	0s23	23 28	1 6	22 54	0 24	22 36	0 1	21 47	0 26	17 50	0 55	21 54	0 0	5 14	1 12	3 35	16 26	22 20	22 26	15 43	17 44
M25	19 3	20 40																					

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FEBRUARY 1610 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	8 43 53	12°54'44"	9°14'	29°47'	17°8'	20°21'	11°R12	13°55'	9°R16	19°R29	1°3'	17°D20	16°24'	27°M57	1°349
T 2	8 47 50	13°6'31"	23°24'	18°22'	21°2'	11°II12	14°2'	9°II15	19°M27	1°3'	17°E20	16°21'	28°3'	1°55'	
W 3	8 51 46	14°7'16"	7°II37	3°1'	19°37'	21°44'	11°11	14°9'	9°14	19°26	1°4'	17°22	16°18'	28°10'	2°0'
T 4	8 55 43	15°8'00"	21°54'	4°39'	20°51'	22°26'	11°11	14°17'	9°13	19°25	1°4'	17°23	16°15'	28°17'	2°5'
F 5	8 59 40	16°8'42"	6°E9	6°18'	22°6'	23°8'	11°D11	14°24'	9°13	19°23	1°5'	17°24	16°11'	28°23'	2°10'
S 6	9 3 36	17°9'23"	20°21'	7°58'	23°21'	23°50'	11°11	14°31'	9°12	19°22	1°5'	17°R25	16°8'	28°30'	2°15'
S 7	9 7 33	18°10'02"	4°Q26	9°38'	24°35'	24°32'	11°12	14°38'	9°12	19°21	1°6'	17°24	16°5'	28°37'	2°20'
M 8	9 11 29	19°10'39"	18°18'	11°20'	25°50'	25°13'	11°12	14°45'	9°11	19°19	1°6'	17°21	16°2'	28°43'	2°25'
T 9	9 15 26	20°11'15"	11°M56	13°2'	27°4'	25°55'	11°13	14°53'	9°11	19°18	1°7'	17°17	15°59'	28°50'	2°30'
W10	9 19 22	21°11'49"	15°16'	14°45'	28°19'	26°37'	11°14	15°0'	9°11	19°17	1°7'	17°11	15°56'	28°57'	2°35'
T 11	9 23 19	22°12'22"	28°16'	16°29'	29°33'	27°19'	11°15	15°7'	9°10	19°15	1°8'	17°5'	15°52'	29°3'	2°40'
F 12	9 27 16	23°12'54"	10°Q58	18°14'	0°48'	28°1'	11°16	15°14'	9°10	19°14	1°8'	16°59'	15°49'	29°10'	2°45'
S 13	9 31 12	24°13'24"	23°21'	20°0'	2°2'	28°43'	11°18	15°21'	9°10	19°12	1°9'	16°54'	15°46'	29°17'	2°49'
S 14	9 35 9	25°13'53"	5°M30	21°47'	3°17'	29°25'	11°19	15°28'	9°10	19°11	1°10'	16°50'	15°43'	29°23'	2°54'
M15	9 39 5	26°14'20"	17°28'	23°35'	4°32'	0°3'	11°21	15°35'	9°10	19°9	1°10'	16°48'	15°40'	29°30'	2°59'
T 16	9 43 2	27°14'47"	29°19'	25°23'	5°46'	0°49'	11°24	15°43'	9°D10	19°8	1°11	16°D47	15°37'	29°37'	3°3'
W17	9 46 58	28°15'12"	11°M9	27°13'	7°1'	1°32'	11°26	15°50'	9°10	19°6	1°12	16°48'	15°33'	29°44'	3°8'
T 18	9 50 55	29°15'35"	23°3'	29°3'	8°15'	2°14'	11°28	15°57'	9°10	19°5	1°12	16°50'	15°30'	29°50'	3°12'
F 19	9 54 51	0°M15'57"	5°3'	0°M55'	9°30'	2°56'	11°31	16°4'	9°10	19°3	1°13	16°51'	15°27'	29°57'	3°16'
S 20	9 58 48	1°16'18"	17°23'	2°47'	10°44'	3°38'	11°34	16°11'	9°10	19°2	1°14	16°R52	15°24'	0°M4'	3°21'
S 21	10 2 44	2°16'37"	29°56'	4°40'	11°59'	4°20'	11°37	16°18'	9°11	19°0	1°15	16°51'	15°21'	0°10'	3°25'
M22	10 6 41	3°16'54"	12°M49	6°34'	13°14'	5°2'	11°40	16°25'	9°11	18°58	1°15	16°48'	15°17'	0°17'	3°29'
T 23	10 10 38	4°17'10"	26°3'	8°28'	14°28'	5°45'	11°44	16°32'	9°11	18°57	1°16	16°43'	15°14'	0°24'	3°33'
W24	10 14 34	5°17'24"	9°M36	10°23'	15°43'	6°27'	11°47	16°39'	9°12	18°55	1°17	16°36'	15°11'	0°30'	3°37'
T 25	10 18 31	6°17'36"	23°27'	12°18'	16°57'	7°9'	11°51	16°46'	9°12	18°54	1°18	16°27'	15°8'	0°37'	3°41'
F 26	10 22 27	7°17'46"	7°M30	14°13'	18°12'	7°51'	11°55	16°53'	9°13	18°52	1°19	16°19'	15°5'	0°44'	3°45'
S 27	10 26 24	8°17'54"	21°42'	16°9'	19°26'	8°34'	11°59	17°0'	9°13	18°50	1°20	16°11'	15°2'	0°50'	3°49'
S 28	10 30 20	9°M18'00"	5°3'	18°M5	20°M41	9°3'	12°II4	17°M7	9°II14	18°M49	1°21	16°E5	14°E58	0°M57	3°52'

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	17s12	9n59	4s52	21s58	1s46	22s22	0n2	23s13	0s5	21n46	0s24	17s34	0s55	21n53	0s0	5n17	1n13	3s31	16s23	22n22	22n29	15s59	17s41	5n48
T 2	16 55 14 33	4 15 21 40	1 49 22 15	0s 1 23 17	0 6 21 47	0 24 17 32	0 55 21 53	0 0 5 18	1 13 3 31	16 22 22 22	22 29 16 1	17 40 5 48												
W 3	16 38 18 19	3 21 21 21	1 52 22 7	0 4 23 21	0 7 21 47	0 24 17 30	0 55 21 53	0 0 5 18	1 13 3 30	16 22 22 22	22 30 16 3	17 40 5 49												
T 4	16 20 20 59	2 16 21 0	1 55 21 58	0 6 23 24	0 8 21 47	0 23 17 28	0 55 21 53	0 0 5 19	1 13 3 30	16 22 22 21	22 30 16 5	17 39 5 49												
F 5	16 2 22 19	1 1 20 38	1 58 21 49	0 9 23 27	0 9 21 47	0 23 17 26	0 56 21 53	0 0 5 20	1 13 3 29	16 21 22 21	22 30 16 7	17 39 5 50												
S 6	15 44 22 13	0n16	20 15 2	0 21 40	0 12 23 30	0 9 21 47	0 23 17 24	0 56 21 53	0 0 5 20	1 13 3 29	16 21 22 21	22 31 16 9	17 38 5 50											
S 7	15 25 20 41	1 32 19 50	2 2 21 29	0 14 23 33	0 10 21 47	0 23 17 22	0 56 21 53	0 0 5 21	1 13 3 28	16 21 22 21	22 31 16 11	17 38 5 51												
M 8	15 6 17 55	2 41 19 24	2 3 21 18	0 17 23 35	0 11 21 48	0 23 17 20	0 56 21 52	0 0 5 21	1 13 3 28	16 20 22 22	22 31 16 13	17 37 5 51												
T 9	14 47 14 13	3 39 18 56	2 5 21 7	0 20 23 38	0 12 21 48	0 22 17 18	0 56 21 52	0 0 5 22	1 13 3 27	16 20 22 22	22 32 16 15	17 37 5 51												
W10	14 28 9 53	4 25 18 26	2 5 20 54	0 22 23 40	0 13 21 48	0 22 17 16	0 56 21 52	0n0	5 22 1 13 3 27	16 20 22 23	22 32 16 17	17 36 5 52												
T 11	14 8 5 11	4 55 17 55	2 5 20 41	0 25 23 41	0 14 21 49	0 22 17 14	0 56 21 52	0 0 5 23	1 13 3 26	16 19 22 24	22 33 16 19	17 35 5 52												
F 12	13 48 0 24	5 9 17 23	2 5 20 28	0 27 23 43	0 15 21 49	0 22 17 12	0 56 21 52	0 0 5 24	1 13 3 26	16 19 22 24	22 33 16 21	17 35 5 53												
S 13	13 28 4s18	5 9 16 49	2 5 20 14	0 30 23 44	0 15 21 50	0 22 17 10	0 56 21 52	0 0 5 24	1 13 3 25	16 19 22 25	22 33 16 23	17 34 5 53												
S 14	13 8 8 45	4 55 16 13	2 4 19 59	0 32 23 46	0 16 21 50	0 21 17 8	0 56 21 52	0 0 5 25	1 13 3 25	16 18 22 26	22 34 16 25	17 34 5 54												
M15	12 48 12 47	4 28 15 36	2 2 19 44	0 35 23 47	0 17 21 50	0 21 17 6	0 56 21 52	0 0 5 25	1 13 3 24	16 18 22 26	22 34 16 27	17 33 5 54												
T 16	12 27 16 18	3 50 14 58	2 0 19 28	0 37 23 47	0 18 21 51	0 21 17 3	0 56 21 52	0 0 5 26	1 13 3 24	16 18 22 26	22 34 16 29	17 33 5 55												
W17	12 6 19 10	3 2 14 18	1 57 19 11	0 39 23 48	0 19 21 51	0 21 17 1	0 56 21 52	0 0 5 27	1 13 3 23	16 17 22 26	22 35 16 31	17 32 5 55												
T 18	11 45 21 13	2 6 13 37	1 54 18 54	0 42 23 48	0 20 21 52	0 17 16 59	0 57 21 52	0 0 5 27	1 13 3 23	16 17 22 26	22 35 16 33	17 31 5 56												
F 19	11 24 22 20	1 3 12 54	1 51 18 37	0 44 23 48	0 21 21 52	0 20 16 57	0 57 21 52	0 0 5 28	1 13 3 22	16 17 22 25	22 36 16 35	17 31 5 56												
S 20	11 3 22 24	0s 3	12 10 1 47	18 19 0 46	23 48 0 22	21 53 0 20	16 55 0 57	21 52 0 0	5 29 1 13 3 22	16 17 22 25	22 36 16 37	17 30 5 57												
S 21	10 41 21 21	1 10 11 24	1 42 18 0	0 48 23 48	0 23 21 54	0 20 16 53	0 57 21 52	0 0 5 29	1 13 3 21	16 16 22 25	22 36 16 39	17 30 5 57												
M22	10 19 19 10	2 16 10 37	1 37 17 41	0 50 23 47	0 24 21 54	0 20 16 51	0 57 21 53	0 0 5 30	1 13 3 21	16 16 22 26	22 37 16 41	17 29 5 58												
T 23	9 58 15 55	3 15 9 49	1 31 17 22	0 52 23 46	0 25 21 55	0 20 16 49	0 57 21 53	0 0 5 30	1 13 3 20	16 16 22 26	22 37 16 43	17 28 5 58												
W24	9 35 11 46	4 5 9 0	1 24 17 1	0 54 23 45	0 26 21 56	0 19 16 47	0 57 21 53	0 0 5 31	1 13 3 20	16 15 22 27	22 37 16 45	17 28 5 59												
T 25	9 13 6 56	4 42 8 9	1 17 16 41	0 56 23 44	0 26 21 56	0 19 16 45	0 57 21 53	0 0 5 32	1 13 3 19	16 15 22 28	22 38 16 47	17 27 5 59												
F 26	8 51 1 39	5 3 7 17	1 10 16 20	0 58 23 43	0 27 21 57	0 19 16 43	0 57 21 53	0 0 5 32	1 13 3 18	16 15 22 29	22 38 16 49	17 26 6 0												
S 27	8 29 3n46	5 5 6 25	1 1 15 58	1 0 23 41	0 28 21 58	0 19 16 41	0 57 21 53	0 0 5 33	1 13 3 18	16 14 22 30	22 38 16 51	17 26 6 1												
S 28	8s 6 9n 0	4s48	5s32	0s52	15s36	1s 2	23s39	0s29	21n58	0s19	16s39	0s58	21n53	0n 0	5n34	1n13	3s17	16s14	22n31	22n39	16s53	17s25	6n 1	

Julian Day Number = 2309131.5, Delta T = 119.85 sec
 Ecliptic obliquity = 23°29'21", Nutation = - 0°00'15"
 Ayanamsha: Fagan/Bradley = 19°17'55", Lahiri = 18°24'55"Greg. Calendar

SWISS EPHEMERIS for the year 1610

MARCH 1610 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
M 1	10 34 17	10 ^h 18'03"	20 ^h 13'	20 ^h 0'	21 ^h 28'55"	9 ^h 35'58"	12 ^h 11'8"	17 ^h 13'	9 ^h 11'15"	18 ^h 47'	1 ^h 22'	16 ^h R 0'	14 ^h 55'	1 ^h 7'4"	3 ^h 56'
T 2	10 38 13	11 ^h 18'05"	4 ^h 11'25"	21 ^h 54'	23 ^h 10'	10 ^h 41'	12 ^h 13'	17 ^h 20'	9 ^h 15'	18 ^h 45'	1 ^h 22'	15 ^h D59'	14 ^h 52'	1 ^h 10'	3 ^h 59'
W 3	10 42 10	12 ^h 18'05"	18 ^h 32'	23 ^h 48'	24 ^h 24'	11 ^h 23'	12 ^h 18'	17 ^h 27'	9 ^h 16'	18 ^h 44'	1 ^h 23'	15 ^h D59'	14 ^h 49'	1 ^h 17'	4 ^h 3'
T 4	10 46 7	13 ^h 18'02"	2 ^h 32'	25 ^h 40'	25 ^h 39'	12 ^h 5'	12 ^h 23'	17 ^h 34'	9 ^h 17'	18 ^h 42'	1 ^h 24'	15 ^h 59'	14 ^h 46'	1 ^h 24'	4 ^h 6'
F 5	10 50 3	14 ^h 17'57"	16 ^h 25'	27 ^h 31'	26 ^h 53'	12 ^h 48'	12 ^h 28'	17 ^h 40'	9 ^h 18'	18 ^h 41'	1 ^h 25'	16 ^h R 0'	14 ^h 42'	1 ^h 30'	4 ^h 10'
S 6	10 54 0	15 ^h 17'50"	0 ^h 10'	29 ^h 19'	28 ^h 8'	13 ^h 30'	12 ^h 34'	17 ^h 47'	9 ^h 19'	18 ^h 39'	1 ^h 26'	15 ^h 59'	14 ^h 39'	1 ^h 37'	4 ^h 13'
S 7	10 57 56	16 ^h 17'41"	13 ^h 47'	1 ^h Y 5'	29 ^h 22'	14 ^h 12'	12 ^h 39'	17 ^h 54'	9 ^h 20'	18 ^h 37'	1 ^h 27'	15 ^h 56'	14 ^h 36'	1 ^h 44'	4 ^h 16'
M 8	11 1 53	17 ^h 17'29"	27 ^h 14'	2 ^h 48'	0 ^h X37'	14 ^h 55'	12 ^h 45'	18 ^h 0'	9 ^h 21'	18 ^h 36'	1 ^h 28'	15 ^h 50'	14 ^h 33'	1 ^h 51'	4 ^h 19'
T 9	11 5 49	18 ^h 17'15"	10 ^h 13'30"	4 ^h 27'	1 ^h 51'	15 ^h 37'	12 ^h 51'	18 ^h 7'	9 ^h 22'	18 ^h 34'	1 ^h 29'	15 ^h 41'	14 ^h 30'	1 ^h 57'	4 ^h 22'
W10	11 9 46	19 ^h 17'00"	23 ^h 33'	6 ^h 2'	3 ^h 6'	16 ^h 20'	12 ^h 57'	18 ^h 14'	9 ^h 23'	18 ^h 32'	1 ^h 30'	15 ^h 31'	14 ^h 27'	2 ^h 4'	4 ^h 25'
T 11	11 13 42	20 ^h 16'42"	6 ^h 22'	7 ^h 33'	4 ^h 20'	17 ^h 2'	13 ^h 3'	18 ^h 20'	9 ^h 24'	18 ^h 31'	1 ^h 31'	15 ^h 19'	14 ^h 23'	2 ^h 11'	4 ^h 28'
F 12	11 17 39	21 ^h 16'22"	18 ^h 55'	8 ^h 58'	5 ^h 34'	17 ^h 45'	13 ^h 10'	18 ^h 26'	9 ^h 25'	18 ^h 29'	1 ^h 33'	15 ^h 7'	14 ^h 20'	2 ^h 17'	4 ^h 31'
S 13	11 21 36	22 ^h 16'01"	1 ^h 15'	10 ^h 18'	6 ^h 49'	18 ^h 27'	13 ^h 16'	18 ^h 33'	9 ^h 27'	18 ^h 27'	1 ^h 34'	14 ^h 57'	14 ^h 17'	2 ^h 24'	4 ^h 34'
S 14	11 25 32	23 ^h 15'37"	13 ^h 22'	11 ^h 33'	8 ^h 3'	19 ^h 10'	13 ^h 23'	18 ^h 39'	9 ^h 28'	18 ^h 26'	1 ^h 35'	14 ^h 48'	14 ^h 14'	2 ^h 31'	4 ^h 36'
M15	11 29 29	24 ^h 15'12"	25 ^h 19'	12 ^h 41'	9 ^h 18'	19 ^h 52'	13 ^h 30'	18 ^h 46'	9 ^h 29'	18 ^h 24'	1 ^h 36'	14 ^h 41'	14 ^h 11'	2 ^h 37'	4 ^h 39'
T 16	11 33 25	25 ^h 14'45"	7 ^h 7' 9"	13 ^h 42'	10 ^h 32'	20 ^h 35'	13 ^h 37'	18 ^h 52'	9 ^h 31'	18 ^h 22'	1 ^h 37'	14 ^h 37'	14 ^h 8'	2 ^h 44'	4 ^h 41'
W17	11 37 22	26 ^h 14'17"	18 ^h 59'	14 ^h 36'	11 ^h 47'	21 ^h 17'	13 ^h 44'	18 ^h 58'	9 ^h 32'	18 ^h 21'	1 ^h 38'	14 ^h 36'	14 ^h 4'	2 ^h 51'	4 ^h 44'
T 18	11 41 18	27 ^h 13'46"	0 ^h 35'22"	15 ^h 23'	13 ^h 1'	22 ^h 0'	13 ^h 51'	19 ^h 4'	9 ^h 34'	18 ^h 19'	1 ^h 39'	14 ^h D35'	14 ^h 1'	2 ^h 57'	4 ^h 46'
F 19	11 45 15	28 ^h 13'14"	12 ^h 54'	16 ^h 3'	14 ^h 15'	22 ^h 43'	13 ^h 58'	19 ^h 11'	9 ^h 36'	18 ^h 17'	1 ^h 40'	14 ^h R36'	13 ^h 58'	3 ^h 4'	4 ^h 48'
S 20	11 49 11	29 ^h 12'40"	25 ^h 11'	16 ^h 35'	15 ^h 30'	23 ^h 25'	14 ^h 6'	19 ^h 17'	9 ^h 37'	18 ^h 16'	1 ^h 42'	14 ^h 35'	13 ^h 55'	3 ^h 11'	4 ^h 50'
S 21	11 53 8	0 ^h Y12'04"	7 ^h 22'47"	16 ^h 59'	16 ^h 44'	24 ^h 8'	14 ^h 14'	19 ^h 23'	9 ^h 39'	18 ^h 14'	1 ^h 43'	14 ^h 33'	13 ^h 52'	3 ^h 17'	4 ^h 52'
M22	11 57 5	1 ^h 11'26"	20 ^h 46'	17 ^h 16'	17 ^h 58'	24 ^h 50'	14 ^h 21'	19 ^h 29'	9 ^h 41'	18 ^h 12'	1 ^h 44'	14 ^h 29'	13 ^h 48'	3 ^h 24'	4 ^h 54'
T 23	12 1 1	2 ^h 10'47"	4 ^h 11'	17 ^h 25'	19 ^h 13'	25 ^h 33'	14 ^h 29'	19 ^h 35'	9 ^h 42'	18 ^h 11'	1 ^h 45'	14 ^h 22'	13 ^h 45'	3 ^h 31'	4 ^h 56'
W24	12 4 58	3 ^h 10'05"	1 ^h 1'	17 ^h R27'	20 ^h 27'	26 ^h 16'	14 ^h 37'	19 ^h 41'	9 ^h 44'	18 ^h 9'	1 ^h 46'	14 ^h 12'	13 ^h 42'	3 ^h 37'	4 ^h 58'
T 25	12 8 54	4 ^h 9'21"	2 ^h Y13'	17 ^h 21'	21 ^h 42'	26 ^h 58'	14 ^h 46'	19 ^h 46'	9 ^h 46'	18 ^h 8'	1 ^h 48'	14 ^h 0'	13 ^h 39'	3 ^h 44'	5 ^h 0'
F 26	12 12 51	5 ^h 8'36"	16 ^h 43'	17 ^h 8'	22 ^h 56'	27 ^h 41'	14 ^h 54'	19 ^h 52'	9 ^h 48'	18 ^h 6'	1 ^h 49'	13 ^h 49'	13 ^h 36'	3 ^h 51'	5 ^h 2'
S 27	12 16 47	6 ^h 7'48"	1 ^h X23'	16 ^h 49'	24 ^h 10'	28 ^h 24'	15 ^h 3'	19 ^h 58'	9 ^h 50'	18 ^h 4'	1 ^h 50'	13 ^h 38'	13 ^h 33'	3 ^h 57'	5 ^h 3'
S 28	12 20 44	7 ^h 6'58"	16 ^h 5'	16 ^h 24'	25 ^h 24'	29 ^h 6'	15 ^h 11'	20 ^h 4'	9 ^h 52'	18 ^h 3'	1 ^h 51'	13 ^h 29'	13 ^h 29'	4 ^h 4'	5 ^h 5'
M29	12 24 40	8 ^h 6'06"	0 ^h II42'	15 ^h 53'	26 ^h 39'	29 ^h 49'	15 ^h 20'	20 ^h 9'	9 ^h 54'	18 ^h 1'	1 ^h 53'	13 ^h 22'	13 ^h 26'	4 ^h 11'	5 ^h 6'
T 30	12 28 37	9 ^h 5'12"	15 ^h 9'	15 ^h 18'	27 ^h 53'	0 ^h 31'	15 ^h 29'	20 ^h 15'	9 ^h 56'	18 ^h 0'	1 ^h 54'	13 ^h 19'	13 ^h 23'	4 ^h 17'	5 ^h 7'
W31	12 32 33	10 ^h Y 4'15"	29 ^h II22'	14 ^h Y38'	29 ^h X 7'	1 ^h 14'	15 ^h II38'	20 ^h 20'	9 ^h II58'	17 ^h 58'	1 ^h X55'	13 ^h X17'	13 ^h X20'	4 ^h X24'	5 ^h X 8'

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄	♅									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	7s43	13n46	4s14	4s38	0s43	15s14	1s 4	23s37	0s30	21n59	0s19	16s37	0s58	21n53	0n 0	5n34	1n14	3s17	16s14	22n32	22n39	16s55	17s24	6n 2
T 2	7 20	17 44	3 24	3 43	0 33	14 51	1 5	23 35	0 31	22 0	0 18	16 35	0 58	21 53	0 0	5 35	1 14	3 16	16 14	22 32	22 40	16 57	17 24	6 2
W 3	6 58	20 38	2 22	2 49	0 22	14 28	1 7	23 32	0 32	22 1	0 18	16 33	0 58	21 53	0 0	5 36	1 14	3 16	16 13	22 32	22 40	16 59	17 23	6 3
T 4	6 35	22 16	1 12	1 54	0 11	14 4	1 8	23 29	0 33	22 2	0 18	16 31	0 58	21 54	0 0	5 36	1 14	3 15	16 13	22 32	22 40	17 1	17 22	6 3
F 5	6 12	22 31	0n 2	0 59	0n 0	13 40	1 10	23 27	0 34	22 3	0 18	16 29	0 58	21 54	0 0	5 37	1 14	3 15	16 13	22 32	22 41	17 3	17 22	6 4
S 6	5 48	21 23	1 15	0 5	0 12	13 16	1 11	23 23	0 35	22 3	0 18	16 27	0 58	21 54	0 0	5 38	1 14	3 14	16 13	22 32	22 41	17 5	17 21	6 4
S 7	5 25	19 0	2 23	0n49	0 25	12 51	1 13	23 20	0 36	22 4	0 18	16 25	0 58	21 54	0 0	5 38	1 14	3 13	16 12	22 32	22 41	17 7	17 20	6 5
M 8	5 2	15 36	3 21	1 41	0 38	12 26	1 14	23 16	0 37	22 5	0 17	16 23	0 58	21 54	0 0	5 39	1 14	3 13	16 12	22 33	22 42	17 9	17 20	6 6
T 9	4 38	11 28	4 8	2 33	0 50	12 1	1 16	23 13	0 38	22 6	0 17	16 22	0 58	21 54	0 0	5 40	1 14	3 12	16 12	22 34	22 42	17 11	17 19	6 6
W10	4 15	6 52	4 41	3 22	1 4	11 35	1 17	23 8	0 39	22 7	0 17	16 20	0 59	21 55	0 0	5 40	1 14	3 12	16 12	22 35	22 42	17 13	17 18	6 7
T 11	3 52	2 3	4 59	4 10	1 17	11 9	1 18	23 4	0 40	22 8	0 17	16 18	0 59	21 55	0 0	5 41	1 14	3 11	16 11	22 36	22 43	17 15	17 18	6 7
F 12	3 28	2s46	5 2	4 56	1 30	10 43	1 19	23 0	0 42	22 9	0 17	16 16	0 59	21 55	0 0	5 42	1 14	3 11	16 11	22 38	22 43	17 17	17 17	6 8
S 13	3 4	7 23	4 51	5 40	1 43	10 16	1 20	22 55	0 43	22 10	0 17	16 14	0 59	21 55	0 0	5 42	1 14	3 10	16 11	22 39	22 43	17 19	17 16	6 9
S 14	2 41	11 39	4 26	6 20	1 55	9 49	1 21	22 50	0 44	22 11	0 16	16 12	0 59	21 55	0 0	5 43	1 14	3 9	16 11	22 40	22 44	17 21	17 16	6 9
M15	2 17	15 24	3 51	6 58	2 7	9 22	1 22	22 45	0 45	22 12	0 16	16 10	0 59	21 56	0 0	5 44	1 14	3 9	16 10	22 41	22 44	17 22	17 15	6 10
T 16	1 54	18 30	3 5	7 33	2 19	8 55	1 23	22 40	0 46	22 13	0 16	16 8	0 59	21 56	0 0	5 44	1 14	3 8	16 10	22 41	22 44	17 24	17 14	6 10
W17	1 30	20 51	2 12	8 4	2 30	8 27	1 24	22 34	0 47	22 14	0 16	16 7	0 59	21 56	0 0	5 45	1 14	3 8	16 10	22 41	22 45	17 26	17 13	6 11
T 18	1 6	22 17	1 12	8 32	2 40	7 59	1 24	22 29	0															

SWISS EPHEMERIS for the year 1610

APRIL 1610 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	12 36 30	11°Y 3'16	13°20	13°R56	0°Y22	1°57	15°II47	20°26	10°II 0	17°R57	1°57	13°R17	13°20	17°31	5°3 9
F 2	12 40 27	12° 2'14	27° 3	13°Y11	1°36	2°39	15°56	20°31	10° 3	17°II55	1°58	13°21	13°14	4°37	5°10
S 3	12 44 23	13° 1'11	10°232	12°25	2°50	3°22	16° 6	20°36	10° 5	17°54	1°59	13°15	13°10	4°44	5°11
S 4	12 48 20	14° 0'05	23°49	11°38	4° 4	4° 5	16°15	20°42	10° 7	17°52	2° 0	13°11	13° 7	4°51	5°12
M 5	12 52 16	14°58'56	6°II54	10°51	5°18	4°47	16°25	20°47	10° 9	17°51	2° 2	13° 4	13° 4	4°57	5°13
T 6	12 56 13	15°57'45	19°48	10° 6	6°33	5°30	16°34	20°52	10°12	17°49	2° 3	12°54	13° 1	5° 4	5°14
W 7	13 0 9	16°56'33	2°21	9°23	7°47	6°13	16°44	20°57	10°14	17°48	2° 4	12°42	12°58	5°11	5°14
T 8	13 4 6	17°55'18	15° 3	8°43	9° 1	6°55	16°54	21° 2	10°17	17°47	2° 6	12°29	12°54	5°18	5°15
F 9	13 8 2	18°54'01	27°24	8° 6	10°15	7°38	17° 4	21° 7	10°19	17°45	2° 7	12°15	12°51	5°24	5°15
S 10	13 11 59	19°52'42	9°II34	7°33	11°29	8°21	17°14	21°12	10°22	17°44	2° 8	12° 2	12°48	5°31	5°16
S 11	13 15 56	20°51'21	21°35	7° 5	12°43	9° 3	17°24	21°17	10°24	17°43	2°10	11°52	12°45	5°38	5°16
M12	13 19 52	21°49'59	3°29	6°41	13°58	9°46	17°34	21°21	10°27	17°41	2°11	11°44	12°42	5°44	5°16
T13	13 23 49	22°48'35	15°18	6°22	15°12	10°29	17°45	21°26	10°29	17°40	2°12	11°38	12°39	5°51	5°R16
W14	13 27 45	23°47'09	27° 6	6° 8	16°26	11°11	17°55	21°31	10°32	17°39	2°14	11°36	12°35	5°58	5°16
T 15	13 31 42	24°45'41	8°35	5°59	17°40	11°54	18° 6	21°35	10°35	17°37	2°15	11°D35	12°32	6° 4	5°16
F 16	13 35 38	25°44'12	20°58	5°D55	18°54	12°37	18°17	21°39	10°37	17°36	2°17	11°R35	12°29	6°11	5°16
S 17	13 39 35	26°42'41	3°33	5°56	20° 8	13°19	18°27	21°44	10°40	17°35	2°18	11°35	12°26	6°18	5°15
S 18	13 43 31	27°41'08	15°48	6° 2	21°22	14° 2	18°38	21°48	10°43	17°34	2°19	11°34	12°23	6°24	5°15
M19	13 47 28	28°39'34	2°46	6°13	22°36	14°44	18°49	21°52	10°46	17°33	2°21	11°30	12°19	6°31	5°14
T 20	13 51 25	29°37'58	12°13	6°29	23°50	15°27	19° 0	21°56	10°49	17°31	2°22	11°24	12°16	6°38	5°14
W21	13 55 21	30°36'21	26° 7	6°49	25° 4	16°10	19°11	22° 0	10°52	17°30	2°23	11°16	12°13	6°44	5°13
T 22	13 59 18	1°34'41	10°Y29	7°14	26°18	16°52	19°22	22° 4	10°54	17°29	2°25	11° 7	12°10	6°51	5°13
F 23	14 3 14	2°33'00	25°14	7°44	27°32	17°35	19°34	22° 8	10°57	17°28	2°26	10°56	12° 7	6°58	5°12
S 24	14 7 11	3°31'18	10°X12	8°17	28°46	18°17	19°45	22°12	11° 0	17°27	2°27	10°46	12° 4	7° 4	5°11
S 25	14 11 7	4°29'33	25°16	8°54	0° 0	19° 0	19°56	22°16	11° 3	17°26	2°29	10°38	12° 0	7°11	5°10
M26	14 15 4	5°27'47	10°II15	9°35	1°14	19°42	20° 8	22°19	11° 6	17°25	2°30	10°33	11°57	7°18	5° 9
T 27	14 19 0	6°25'59	25° 2	10°20	2°28	20°25	20°20	22°23	11° 9	17°24	2°32	10°30	11°54	7°24	5° 8
W28	14 22 57	7°24'09	9°20	11° 8	3°42	21° 7	20°31	22°27	11°12	17°23	2°33	10°D29	11°51	7°31	5° 7
T 29	14 26 54	8°22'17	23°38	12° 0	4°56	21°50	20°43	22°30	11°16	17°22	2°34	10°29	11°48	7°38	5° 5
F 30	14 30 50	9°20'23	7°24	12°Y55	6°X10	22°32	20°II55	22°33	11°II19	17°21	2°36	10°R29	11°45	7°44	5° 4

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	4n23	22n49	0n 0	8n 8	2n52	1s12	1s28	20s48	1s 4	22n30	0s14	15s41	1s 1	22n 0	0n 0
F 2	4 46	21 58	1 12	7 41	2 41	0 42	1 27	20 40	1 5	22 31	0 13	15 39	1 2	22 1	0 0
S 3	5 9	19 51	2 19	7 12	2 29	0 12	1 27	20 31	1 6	22 32	0 13	15 38	1 2	22 1	0 0
S 4	5 32	16 42	3 17	6 41	2 16	0n18	1 27	20 22	1 7	22 34	0 13	15 36	1 2	22 1	0 0
M 5	5 55	12 45	4 3	6 10	2 1	0 48	1 26	20 13	1 8	22 35	0 13	15 35	1 2	22 2	0 1
T 6	6 18	8 17	4 36	5 38	1 46	1 18	1 26	20 4	1 10	22 36	0 13	15 33	1 2	22 2	0 1
W 7	6 40	3 31	4 55	5 7	1 30	1 47	1 25	19 54	1 11	22 37	0 13	15 32	1 2	22 2	0 1
T 8	7 3	1s20	5 0	4 36	1 14	2 17	1 25	19 45	1 12	22 38	0 13	15 30	1 2	22 3	0 1
F 9	7 25	6 3	4 50	4 6	0 58	2 47	1 24	19 35	1 13	22 39	0 12	15 29	1 3	22 3	0 1
S 10	7 47	10 29	4 27	3 38	0 41	3 17	1 23	19 25	1 14	22 40	0 12	15 27	1 3	22 3	0 1
S 11	8 9	14 28	3 52	3 12	0 25	3 46	1 22	19 15	1 16	22 41	0 12	15 26	1 3	22 4	0 1
M12	8 31	17 50	3 7	2 47	0 8	4 16	1 21	19 4	1 17	22 42	0 12	15 24	1 3	22 4	0 1
T 13	8 53	20 27	2 15	2 25	0s 8	4 46	1 20	18 54	1 18	22 44	0 12	15 23	1 3	22 5	0 1
W14	9 15	22 11	1 16	2 5	0 23	5 15	1 19	18 43	1 19	22 45	0 12	15 22	1 3	22 5	0 1
T 15	9 37	22 57	0 14	1 48	0 38	5 44	1 18	18 33	1 21	22 46	0 12	15 20	1 4	22 5	0 1
F 16	9 58	22 40	0s50	1 33	0 53	6 14	1 17	18 22	1 22	22 47	0 12	15 19	1 4	22 6	0 1
S 17	10 19	21 18	1 52	1 21	1 6	6 43	1 16	18 11	1 23	22 48	0 11	15 18	1 4	22 6	0 1
S 18	10 40	18 51	2 51	1 11	1 20	7 12	1 15	18 0	1 24	22 49	0 11	15 17	1 4	22 7	0 1
M19	11 1	15 24	3 43	1 4	1 32	7 40	1 14	17 48	1 25	22 50	0 11	15 16	1 4	22 7	0 1
T 20	11 22	11 4	4 25	1 0	1 43	8 9	1 12	17 37	1 27	22 51	0 11	15 14	1 4	22 7	0 1
W21	11 42	6 1	4 52	0 58	1 54	8 37	1 11	17 25	1 28	22 52	0 11	15 13	1 5	22 8	0 1
T 22	12 3	0 29	5 2	0 59	2 4	9 6	1 9	17 14	1 29	22 53	0 11	15 12	1 5	22 8	0 1
F 23	12 23	5n14	4 53	1 2	2 13	9 34	1 8	17 2	1 30	22 54	0 11	15 11	1 5	22 9	0 1
S 24	12 43	10 44	4 24	1 7	2 22	10 2	1 6	16 50	1 32	22 55	0 11	15 10	1 5	22 9	0 1
S 25	13 3	15 37	3 36	1 15	2 30	10 29	1 5	16 38	1 33	22 56	0 10	15 9	1 5	22 10	0 1
M26	13 22	19 30	2 34	1 25	2 36	10 56	1 3	16 26	1 34	22 57	0 10	15 8	1 5	22 10	0 1
T 27	13 42	22 2	1 21	1 37	2 43	11 24	1 2	16 13	1 36	22 58	0 10	15 7	1 6	22 10	0 1
W28	14 1	23 4	0 5	1 51	2 48	11 50	1 0	16 1	1 37	22 59	0 10	15 6	1 6	22 11	0 1
T 29	14 20	22 34	1n10	2 6	2 52	12 17	0 58	15 48	1 38	23 0	0 10	15 5	1 6	22 11	0 1
F 30	14n38	20n42	2n19	2n24	2s56	12n43	0s56	15s36	1s39	23n 1	0s10	15s 4	1s 6	22n12	0n 1

Julian Day Number = 2309190.5, Delta T = 119.89 sec
 Ecliptic obliquity = 23°29'22", Nutation = - 0°00'17"
 Ayanamsha: Fagan/Bradley = 19°18'03", Lahiri = 18°25'03"Greg. Calendar

SWISS EPHEMERIS for the year 1610

MAY 1610 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	14 34 47	10♈18'27	20♌49	13♍53	7♊24	23♋14	21♎7	22♋36	11♎22	17°R20	2♊37	10°R29	11♌41	7♌51	5°R 2
S 2	14 38 43	11°16'28	3♎57	14°54	8°38	23°57	21°19	22°40	11°25	17♎20	2°38	10♌27	11°38	7°58	5♊ 1
M 3	14 42 40	12°14'28	16°49	15°58	9°52	24°39	21°31	22°43	11°28	17°19	2°40	10°22	11°35	8° 4	4°59
T 4	14 46 36	13°12'26	29°27	17° 4	11° 6	25°21	21°43	22°46	11°31	17°18	2°41	10°15	11°32	8°11	4°58
W 5	14 50 33	14°10'23	11♌53	18°13	12°20	26° 4	21°55	22°48	11°35	17°17	2°42	10° 6	11°29	8°18	4°56
T 6	14 54 29	15° 8'17	24°10	19°25	13°34	26°46	22° 7	22°51	11°38	17°17	2°44	9°56	11°25	8°24	4°54
F 7	14 58 26	16° 6'10	6♎18	20°40	14°48	27°28	22°19	22°54	11°41	17°16	2°45	9°46	11°22	8°31	4°52
S 8	15 2 23	17° 4'01	18°18	21°57	16° 1	28°10	22°31	22°56	11°44	17°15	2°47	9°37	11°19	8°38	4°50
S 9	15 6 19	18° 1'51	0♌12	23°16	17°15	28°52	22°44	22°59	11°48	17°15	2°48	9°29	11°16	8°44	4°48
M10	15 10 16	18°59'40	12° 2	24°38	18°29	29°34	22°56	23° 1	11°51	17°14	2°49	9°23	11°13	8°51	4°46
T 11	15 14 12	19°57'27	23°50	26° 2	19°43	0♎17	23° 9	23° 4	11°54	17°13	2°51	9°19	11°10	8°58	4°44
W12	15 18 9	20°55'13	5♊39	27°29	20°57	0°59	23°21	23° 6	11°58	17°13	2°52	9°D18	11° 6	9° 4	4°41
T 13	15 22 5	21°52'58	19°32	28°58	22°11	1°41	23°34	23° 8	12° 1	17°12	2°53	9°18	11° 3	9°11	4°39
F 14	15 26 2	22°50'41	27°34	0♊29	23°25	2°23	23°46	23°10	12° 5	17°12	2°54	9°19	11° 0	9°18	4°37
S 15	15 29 58	23°48'24	11♋49	2° 2	24°38	3° 4	23°59	23°12	12° 8	17°11	2°56	9°21	10°57	9°24	4°34
S 16	15 33 55	24°46'05	24°22	3°38	25°52	3°46	24°12	23°14	12°11	17°11	2°57	9°R21	10°54	9°31	4°31
M17	15 37 52	25°43'45	7♎17	5°16	27° 6	4°28	24°25	23°16	12°15	17°11	2°58	9°21	10°51	9°38	4°29
T 18	15 41 48	26°41'24	20°39	6°56	28°20	5°10	24°37	23°17	12°18	17°10	3° 0	9°18	10°47	9°44	4°26
W19	15 45 45	27°39'02	4♍29	8°39	29°34	5°52	24°50	23°19	12°22	17°10	3° 1	9°14	10°44	9°51	4°23
T 20	15 49 41	28°36'40	18°48	10°23	0♎47	6°33	25° 3	23°20	12°25	17°10	3° 2	9° 9	10°41	9°58	4°21
F 21	15 53 38	29°34'16	3♊32	12°10	2° 1	7°15	25°16	23°22	12°29	17° 9	3° 3	9° 3	10°38	10° 4	4°18
S 22	15 57 34	0♎31'51	18°34	13°59	3°15	7°56	25°29	23°23	12°32	17° 9	3° 5	8°58	10°35	10°11	4°15
S 23	16 1 31	1°29'25	3♎46	15°51	4°29	8°38	25°42	23°24	12°36	17° 9	3° 6	8°53	10°31	10°18	4°12
M24	16 5 27	2°26'58	18°58	17°44	5°42	9°19	25°55	23°25	12°39	17° 9	3° 7	8°50	10°28	10°24	4° 9
T 25	16 9 24	3°24'30	4♌ 0	19°40	6°56	10° 1	26° 8	23°26	12°43	17° 8	3° 8	8°D49	10°25	10°31	4° 6
W26	16 13 21	4°22'01	18°44	21°38	8°10	10°42	26°21	23°27	12°46	17° 8	3°10	8°49	10°22	10°38	4° 3
T 27	16 17 17	5°19'30	3♌ 5	23°37	9°24	11°23	26°35	23°28	12°50	17° 8	3°11	8°50	10°19	10°44	3°59
F 28	16 21 14	6°16'59	17° 1	25°39	10°37	12° 4	26°48	23°29	12°53	17° 8	3°12	8°52	10°16	10°51	3°56
S 29	16 25 10	7°14'25	0♎32	27°43	11°51	12°45	27° 1	23°29	12°57	17°D 8	3°13	8°53	10°12	10°58	3°53
S 30	16 29 7	8°11'51	13°40	29°48	13° 5	13°26	27°14	23°30	13° 0	17° 8	3°14	8°R53	10° 9	11° 4	3°50
MB1	16 33 3	9♎ 9'15	26♎27	1♎55	14♎19	14♎ 7	27♎27	23♋30	13♎ 4	17♎ 8	3♊15	8♌51	10♌ 6	11♌11	3♊46

Day	☉		☽		♀		♂		♂		♂		♂		♂		♂		♂					
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat				
S 1	14n57	17n43	3n18	2n44	3s 0	13n 9	0s55	15s23	1s41	23n 2	0s10	15s 3	1s 6	22n12	0n 1	6n 8	1n13	2s44	16s 6	23n 4	22n58	18s50	16s44	6n40
S 2	15 15	13 54	4 6	3 5	3 2	13 35	0 53	15 10	1 42	23 3	0 10	15 2	1 6	22 13	0 1	6 8	1 13	2 44	16 6	23 5	22 59	18 52	16 44	6 40
M 3	15 33	9 31	4 40	3 28	3 4	14 0	0 51	14 57	1 43	23 4	0 9	15 1	1 7	22 13	0 1	6 9	1 13	2 44	16 6	23 5	22 59	18 53	16 43	6 41
T 4	15 50	4 48	5 0	3 52	3 5	14 25	0 49	14 44	1 45	23 4	0 9	15 1	1 7	22 13	0 1	6 9	1 13	2 43	16 6	23 6	22 59	18 55	16 43	6 41
W 5	16 8	0s 2	5 5	4 18	3 5	14 50	0 47	14 31	1 46	23 5	0 9	15 0	1 7	22 14	0 1	6 9	1 13	2 43	16 6	23 6	23 0	18 57	16 42	6 42
T 6	16 25	4 48	4 56	4 46	3 5	15 14	0 45	14 18	1 47	23 6	0 9	14 59	1 7	22 14	0 1	6 9	1 13	2 42	16 6	23 7	23 0	18 59	16 42	6 42
F 7	16 41	9 20	4 33	5 15	3 4	15 38	0 43	14 4	1 48	23 7	0 9	14 58	1 7	22 15	0 1	6 10	1 13	2 42	16 6	23 8	23 0	19 0	16 41	6 43
S 8	16 58	13 29	3 59	5 45	3 3	16 1	0 41	13 51	1 50	23 8	0 9	14 58	1 8	22 15	0 1	6 10	1 13	2 42	16 6	23 8	23 0	19 2	16 41	6 43
S 9	17 14	17 4	3 14	6 16	3 0	16 24	0 39	13 37	1 51	23 9	0 9	14 57	1 8	22 16	0 1	6 10	1 13	2 41	16 6	23 9	23 1	19 4	16 40	6 44
M10	17 30	19 57	2 22	6 49	2 58	16 47	0 36	13 24	1 52	23 9	0 9	14 56	1 8	22 16	0 1	6 10	1 13	2 41	16 6	23 9	23 1	19 6	16 40	6 45
T 11	17 46	21 58	1 23	7 22	2 54	17 9	0 34	13 10	1 54	23 10	0 9	14 56	1 8	22 17	0 1	6 11	1 13	2 41	16 6	23 10	23 1	19 7	16 39	6 45
W12	18 1 23	2 0	20	7 57	2 50	17 31	0 32	12 56	1 55	23 11	0 8	14 55	1 8	22 17	0 1	6 11	1 13	2 40	16 6	23 10	23 1	19 9	16 39	6 46
T 13	18 17	23 4	0s44	8 33	2 46	17 52	0 30	12 43	1 56	23 12	0 8	14 55	1 8	22 18	0 1	6 11	1 13	2 40	16 6	23 10	23 2	19 11	16 39	6 46
F 14	18 31	22 2	1 48	9 9	2 41	18 13	0 28	12 29	1 57	23 12	0 8	14 54	1 9	22 18	0 1	6 11	1 13	2 40	16 6	23 10	23 2	19 13	16 38	6 47
S 15	18 46	19 57	2 47	9 47	2 35	18 34	0 25	12 15	1 59	23 13	0 8	14 54	1 9	22 18	0 1	6 11	1 13	2 39	16 7	23 10	23 2	19 14	16 38	6 47
S 16	19 0 16	53	3 40	10 25	2 29	18 53	0 23	12 1	2 0	23 14	0 8	14 53	1 9	22 19	0 1	6 11	1 13	2 39	16 7	23 10	23 2	19 16	16 37	6 48
M17	19 14	12 55	4 23	11 4	2 23	19 13	0 21	11 46	2 1	23 14	0 8	14 53	1 9	22 19	0 1	6 11	1 13	2 39	16 7	23 10	23 3	19 18	16 37	6 48
T 18	19 27	8 13	4 54	11 43	2 15	19 32	0 18	11 32	2 3	23 15	0 8	14 53	1 9	22 20	0 1	6 12	1 13	2 38	16 7	23 10	23 3	19 20	16 37	6 49
W19	19 41	2 56	5 9	12 24	2 8	19 50	0 16	11 18	2 4	23 16	0 8	14 52	1 10	22 20	0 1	6 12	1 13	2 38	16 7	23 10	23 3	19 21	16 36	6 49
T 20	19 54	2n40	5 6	13 4	2 0	20 8	0 14	11 4	2 5	23 16	0 8	14 52	1 10	22 21	0 1	6 12	1 13	2 38	16 7	23 10	23 4	19 23	16 36	6 50
F 21	20 6 8	17	4 43	13 45	1 51	20 25	0 11	10 50	2 7	23 17	0 7	14 52	1 10	22 21	0 1	6 12	1 13	2 37	16 7	23 11	23 4	19 25	16 35	6 50
S 22	20 18	13 33	4 0	14 26	1 43	20 42	0 9	10 35	2 8	23 17	0 7	14 51	1 10	22 22	0 1	6 12	1 13	2 37	16 7	23 11	23 4	19 26	16 35	6 50
S 23	20 30	18 1	2 59	15 8	1 33	20 58	0 7	10 21	2 9	23 18	0 7	14 51	1 10	22 22	0 1	6 12	1 13	2 37	16 7	23 11	23 4	19 28	16 35	6 51
M24	20 42	21 16	1 46	15 49	1 24	21 14	0 4	10 6	2 11	23														

SWISS EPHEMERIS for the year 1610

JUNE 1610 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
T 1	16 37 0	10II 6'38	8♄58	4II 4	15II32	14♃48	27II41	23♁30	13II 8	17♃ 8	3♄17	8°R49	10♄ 3	11♃18	3°R43
W 2	16 40 56	11° 4'00	21°15	6°13	16°46	15°29	27°54	23°30	13°11	17° 9	3°18	8°♄5	10° 0	11°24	3♄39
T 3	16 44 53	12° 1'21	3♃21	8°24	18° 0	16° 9	28° 7	23°R31	13°15	17° 9	3°19	8°41	9°57	11°31	3°36
F 4	16 48 50	12°58'41	15°20	10°35	19°13	16°50	28°21	23°31	13°18	17° 9	3°20	8°37	9°53	11°38	3°32
S 5	16 52 46	13°56'00	27°13	12°47	20°27	17°30	28°34	23°30	13°22	17° 9	3°21	8°33	9°50	11°44	3°29
S 6	16 56 43	14°53'19	9♃ 3	14°59	21°41	18°11	28°48	23°30	13°25	17° 9	3°22	8°29	9°47	11°51	3°25
M 7	17 0 39	15°50'36	20°51	17°11	22°54	18°51	29° 1	23°30	13°29	17°10	3°23	8°27	9°44	11°58	3°22
T 8	17 4 36	16°47'53	2♄41	19°22	24° 8	19°31	29°15	23°30	13°32	17°10	3°24	8°D26	9°41	12° 4	3°18
W 9	17 8 32	17°45'10	14°34	21°33	25°22	20°11	29°28	23°29	13°36	17°10	3°25	8°26	9°37	12°11	3°14
T 10	17 12 29	18°42'26	26°33	23°43	26°35	20°51	29°42	23°28	13°40	17°11	3°26	8°27	9°34	12°18	3°11
F 11	17 16 25	19°39'41	8♁41	25°52	27°49	21°31	29°55	23°28	13°43	17°11	3°27	8°28	9°31	12°24	3° 7
S 12	17 20 22	20°36'56	21° 1	28° 0	29° 3	22°11	0♄ 9	23°27	13°47	17°12	3°28	8°30	9°28	12°31	3° 3
S 13	17 24 19	21°34'11	3♃37	0♄ 7	0♄16	22°51	0°22	23°26	13°50	17°12	3°29	8°31	9°25	12°38	2°59
M14	17 28 15	22°31'25	16°32	2°11	1°30	23°30	0°36	23°25	13°54	17°12	3°30	8°R32	9°22	12°44	2°55
T 15	17 32 12	23°28'40	29°50	4°14	2°44	24°10	0°49	23°24	13°57	17°13	3°31	8°32	9°18	12°51	2°52
W16	17 36 8	24°25'54	13♃33	6°15	3°57	24°49	1° 3	23°23	14° 1	17°14	3°32	8°31	9°15	12°58	2°48
T 17	17 40 5	25°23'08	27°41	8°14	5°11	25°28	1°16	23°22	14° 4	17°14	3°33	8°30	9°12	13° 4	2°44
F 18	17 44 1	26°20'22	12♄13	10°11	6°25	26° 7	1°30	23°20	14° 8	17°15	3°34	8°28	9° 9	13°11	2°40
S 19	17 47 58	27°17'36	27° 4	12° 6	7°38	26°46	1°44	23°19	14°11	17°15	3°35	8°27	9° 6	13°18	2°36
S 20	17 51 54	28°14'50	12II 9	13°59	8°52	27°25	1°57	23°17	14°15	17°16	3°36	8°26	9° 2	13°24	2°32
M21	17 55 51	29°12'04	27°18	15°50	10° 5	28° 4	2°11	23°16	14°18	17°17	3°37	8°25	8°59	13°31	2°28
T 22	17 59 48	0♄ 9'17	12♄22	17°39	11°19	28°42	2°24	23°14	14°22	17°18	3°37	8°D25	8°56	13°38	2°24
W23	18 3 44	1° 6'30	27°13	19°25	12°33	29°21	2°38	23°12	14°25	17°18	3°38	8°26	8°53	13°44	2°21
T 24	18 7 41	2° 3'43	11♄44	21°10	13°46	29°59	2°52	23°10	14°29	17°19	3°39	8°26	8°50	13°51	2°17
F 25	18 11 37	3° 0'56	25°49	22°52	15° 0	0♃37	3° 5	23° 8	14°32	17°20	3°40	8°27	8°47	13°57	2°13
S 26	18 15 34	3°58'08	9♃29	24°32	16°14	1°15	3°19	23° 6	14°35	17°21	3°41	8°27	8°43	14° 4	2° 9
S 27	18 19 30	4°55'19	22°42	26°10	17°27	1°52	3°32	23° 4	14°39	17°22	3°41	8°27	8°40	14°11	2° 5
M28	18 23 27	5°52'31	5♄32	27°45	18°41	2°30	3°46	23° 2	14°42	17°23	3°42	8°R27	8°37	14°17	2° 1
T 29	18 27 23	6°49'42	18° 2	29°18	19°54	3° 7	4° 0	22°59	14°46	17°24	3°43	8°27	8°34	14°24	1°57
W30	18 31 20	7°46'53	0♃16	0♄50	21♄ 8	3°♃44	4♄13	22♁57	14II49	17♃25	3♄44	8°♄27	8°♄31	14♃31	1♄53

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄	♅									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	22n 1	1n14	5n13	21n 1	0n 1	22n57	0n15	8s10	2s21	23n22	0s 6	14s51	1s12	22n26	0n 1	6n12	1n12	2s35	16s 9	23n12	23n 6	19s43	16s32	6n54
W 2	22 9	3s35	5 6	21 35	0 11	23 7	0 17	7 55	2 22	23 22	0 6	14 51	1 12	22 27	0 1	6 12	1 12	2 35	16 9	23 12	23 7	19 45	16 32	6 55
T 3	22 17	8 11	4 45	22 7	0 22	23 16	0 20	7 41	2 23	23 22	0 6	14 51	1 12	22 27	0 1	6 12	1 12	2 34	16 9	23 12	23 7	19 47	16 32	6 55
F 4	22 24	12 27	4 12	22 36	0 32	23 25	0 22	7 26	2 25	23 23	0 6	14 51	1 13	22 28	0 1	6 12	1 12	2 34	16 9	23 13	23 7	19 48	16 31	6 55
S 5	22 31	16 12	3 28	23 4	0 42	23 33	0 24	7 11	2 26	23 23	0 6	14 52	1 13	22 28	0 1	6 11	1 12	2 34	16 10	23 13	23 7	19 50	16 31	6 56
S 6	22 38	19 18	2 35	23 29	0 51	23 40	0 27	6 57	2 27	23 23	0 6	14 52	1 13	22 29	0 1	6 11	1 12	2 34	16 10	23 13	23 8	19 52	16 31	6 56
M 7	22 44	21 35	1 35	23 52	1 0	23 47	0 29	6 42	2 29	23 23	0 6	14 52	1 13	22 29	0 1	6 11	1 12	2 34	16 10	23 13	23 8	19 53	16 31	6 56
T 8	22 50	22 56	0 32	24 12	1 9	23 53	0 31	6 27	2 30	23 24	0 6	14 52	1 13	22 29	0 1	6 11	1 12	2 34	16 10	23 13	23 8	19 55	16 31	6 56
W 9	22 55	23 15	0s34	24 30	1 17	23 58	0 33	6 13	2 31	23 24	0 5	14 53	1 14	22 30	0 1	6 11	1 12	2 34	16 10	23 13	23 8	19 57	16 30	6 57
T 10	23 0	22 30	1 38	24 44	1 24	24 2	0 36	5 58	2 32	23 24	0 5	14 53	1 14	22 30	0 1	6 11	1 12	2 33	16 11	23 13	23 9	19 58	16 30	6 57
F 11	23 5	20 42	2 40	24 56	1 30	24 6	0 38	5 43	2 34	23 24	0 5	14 53	1 14	22 31	0 1	6 11	1 12	2 33	16 11	23 13	23 9	20 0	16 30	6 57
S 12	23 9	17 54	3 34	25 5	1 36	24 9	0 40	5 29	2 35	23 24	0 5	14 54	1 14	22 31	0 1	6 10	1 12	2 33	16 11	23 13	23 9	20 2	16 30	6 57
S 13	23 13	14 14	4 20	25 11	1 42	24 12	0 42	5 14	2 36	23 24	0 5	14 54	1 14	22 32	0 1	6 10	1 12	2 33	16 11	23 13	23 9	20 3	16 30	6 58
M14	23 17	9 50	4 54	25 14	1 46	24 13	0 44	5 0	2 37	23 24	0 5	14 55	1 15	22 32	0 1	6 10	1 12	2 33	16 12	23 13	23 10	20 5	16 30	6 58
T 15	23 20	4 51	5 13	25 15	1 50	24 14	0 46	4 45	2 39	23 24	0 5	14 55	1 15	22 32	0 1	6 10	1 12	2 33	16 12	23 13	23 10	20 6	16 30	6 58
W16	23 22	0n31	5 15	25 13	1 53	24 14	0 48	4 31	2 40	23 24	0 5	14 56	1 15	22 33	0 1	6 9	1 12	2 33	16 12	23 13	23 10	20 8	16 29	6 58
T 17	23 25	6 1	4 59	25 9	1 55	24 14	0 51	4 16	2 41	23 24	0 5	14 57	1 15	22 33	0 1	6 9	1 12	2 33	16 12	23 13	23 10	20 10	16 29	6 58
F 18	23 26	11 21	4 24	25 2	1 56	24 13	0 53	4 2	2 42	23 24	0 5	14 57	1 15	22 34	0 1	6 9	1 12	2 33	16 13	23 13	23 10	20 11	16 29	6 59
S 19	23 28	16 8	3 30	24 53	1 57	24 11	0 55	3 47	2 44	23 24	0 4	14 58	1 16	22 34	0 1	6 9	1 12	2 33	16 13	23 13	23 11	20 13	16 29	6 59
S 20	23 29	19 58	2 21	24 42	1 57	24 8	0 56	3 33	2 45	23 24	0 4	14 59	1 16	22 35	0 1	6 8	1 12	2 33	16 13	23 13	23 11	20 14	16 29	6 59
M21	23 29	22 26	1 1	24 29	1 57	24 4	0 58	3 19	2 46	23 24	0 4	14 59	1 16	22 35	0 1	6 8	1 12	2 33	16 13	23 13	23 11	20 16	16 29	6 59
T 22	23 29	23 17	0n22	24 14	1 55	24 0	1 0	3 4	2 47	23 24	0 4	15 0	1 16	22 35	0 1	6 8	1 12	2 33	16 14	23 13	23 11	20 18	16 29	6 59
W23	23 29	22 26	1 43	23 57	1 53	23 56	1 2	2 50	2 48	23 24	0 4	15 1	1 16	22 36	0 1	6 7	1 12	2 32	16 14	23 13	23 11	20 19	16 29	6 59
T 24	23 28	20 6	2 55	23 39	1 51	23 50	1 4	2 36	2 50	23 24	0 4	15 2	1 17	22 36	0 1	6 7	1 12	2 32	16 14	23 13	23 12	20 21	16 29	6 59
F 25	23 27	16 36	3 54	23 19	1 48	23 44	1 6	2 22	2 51	23 23	0 4	15 2	1 17	22 37	0 1	6 7	1 11	2 32	16 14	23 13	23 12	20 22	16 29	6 59
S 26	23 26	12 19	4 38	22 58	1 44	23 37	1 7	2 8	2 52	23 23	0 4	15 3	1 17	22 37	0 1	6 6	1 11	2 32	16 15	23 13	23 12	20 24	16 29	6 59
S 27	23 24	7 35	5 6	22 35	1 39	23 29	1 9	1 54	2 53	23 23	0 4	15 4	1 17	22 37	0 1	6 6	1 11	2 32	16 15	23 13	23 12	20 26	16 29	6 59
M28	23 22	2 39	5 17	22 12	1 34	23 21	1 11	1 40	2 54	23 23	0 4	15 5	1 17	22 38	0 1	6 5	1 11	2 33	16 15	23 13	23 13	20 27	16 29	6 59
T 29	23 19	2s16	5 13	21 47	1 29	23 12	1 12	1 26	2 56	23 22	0 4	15 6	1 17	22 38	0 1	6 5	1 11	2 33	16 15	23 13	23 13	20 29	16 29	6 59
W30	23																							

SWISS EPHEMERIS for the year 1610

JULY 1610 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	18 35 17	8°44'03	12°17	2°18	22°22	4°21	4°27	22°R54	14°II52	17°26	3°44	8°D27	8°28	14°37	1°R49
F 2	18 39 13	9°41'14	24°11	3°45	23°35	4°58	4°40	22°22	14°55	17°27	3°45	8°27	8°24	14°44	1°46
S 3	18 43 10	10°38'24	6°1	5°9	24°49	5°35	4°54	22°49	14°59	17°28	3°46	8°28	8°21	14°51	1°42
S 4	18 47 6	11°35'35	17°49	6°31	26°2	6°11	5°7	22°46	15°2	17°29	3°46	8°28	8°18	14°57	1°38
M 5	18 51 3	12°32'46	29°39	7°51	27°16	6°48	5°21	22°44	15°5	17°30	3°47	8°28	8°15	15°4	1°34
T 6	18 54 59	13°29'56	11°34	9°8	28°29	7°24	5°35	22°41	15°9	17°31	3°47	8°R28	8°12	15°11	1°30
W 7	18 58 56	14°27'07	23°36	10°23	29°43	7°59	5°48	22°38	15°12	17°33	3°48	8°28	8°9	15°17	1°27
T 8	19 2 53	15°24'19	5°45	11°35	0°56	8°35	6°2	22°35	15°15	17°34	3°48	8°27	8°5	15°24	1°23
F 9	19 6 49	16°21'31	18°6	12°45	2°10	9°11	6°15	22°32	15°18	17°35	3°49	8°26	8°2	15°31	1°19
S 10	19 10 46	17°18'43	0°38	13°52	3°23	9°46	6°29	22°28	15°21	17°36	3°50	8°25	7°59	15°37	1°16
S 11	19 14 42	18°15'55	13°25	14°56	4°37	10°21	6°42	22°25	15°24	17°38	3°50	8°24	7°56	15°44	1°12
M 12	19 18 39	19°13'09	26°28	15°58	5°51	10°55	6°55	22°22	15°28	17°39	3°51	8°23	7°53	15°51	1°8
T 13	19 22 35	20°10'23	9°48	16°57	7°4	11°30	7°9	22°18	15°31	17°40	3°51	8°22	7°49	15°57	1°5
W 14	19 26 32	21°7'37	23°26	17°52	8°18	12°4	7°22	22°15	15°34	17°42	3°51	8°D22	7°46	16°4	1°1
T 15	19 30 28	22°4'53	7°25	18°45	9°31	12°38	7°36	22°11	15°37	17°43	3°52	8°23	7°43	16°11	0°58
F 16	19 34 25	23°2'10	21°41	19°34	10°45	13°12	7°49	22°8	15°40	17°45	3°52	8°24	7°40	16°17	0°54
S 17	19 38 22	23°59'27	6°15	20°19	11°58	13°45	8°2	22°4	15°43	17°46	3°53	8°25	7°37	16°24	0°51
S 18	19 42 18	24°56'45	21°0	21°1	13°12	14°19	8°16	22°0	15°46	17°48	3°53	8°26	7°34	16°31	0°47
M 19	19 46 15	25°54'04	5°53	21°40	14°25	14°51	8°29	21°57	15°49	17°49	3°53	8°R26	7°30	16°37	0°44
T 20	19 50 11	26°51'24	20°45	22°14	15°39	15°24	8°42	21°53	15°51	17°51	3°54	8°26	7°27	16°44	0°41
W 21	19 54 8	27°48'45	5°29	22°45	16°52	15°56	8°55	21°49	15°54	17°52	3°54	8°25	7°24	16°51	0°38
T 22	19 58 4	28°46'06	19°57	23°11	18°5	16°28	9°8	21°45	15°57	17°54	3°54	8°22	7°21	16°57	0°34
F 23	20 2 1	29°43'28	4°17	23°33	19°19	17°0	9°22	21°41	16°0	17°55	3°54	8°20	7°18	17°4	0°31
S 24	20 5 57	0°40'50	17°49	23°50	20°32	17°31	9°35	21°37	16°3	17°57	3°55	8°17	7°14	17°11	0°28
S 25	20 9 54	1°38'13	1°7	24°3	21°46	18°2	9°48	21°33	16°6	17°59	3°55	8°14	7°11	17°17	0°25
M 26	20 13 51	2°35'37	14°0	24°10	22°59	18°33	10°1	21°29	16°8	18°0	3°55	8°12	7°8	17°24	0°22
T 27	20 17 47	3°33'01	26°32	24°R13	24°13	19°3	10°14	21°25	16°11	18°2	3°55	8°10	7°5	17°30	0°19
W 28	20 21 44	4°30'26	8°46	24°10	25°26	19°33	10°27	21°20	16°14	18°4	3°55	8°D10	7°2	17°37	0°16
T 29	20 25 40	5°27'51	20°47	24°2	26°39	20°3	10°40	21°16	16°16	18°5	3°56	8°11	6°59	17°44	0°13
F 30	20 29 37	6°25'17	2°39	23°49	27°53	20°32	10°53	21°12	16°19	18°7	3°56	8°13	6°55	17°50	0°11
S 31	20 33 33	7°22'44	14°28	23°31	29°6	21°1	11°5	21°8	16°II21	18°9	3°56	8°14	6°52	17°57	0°8

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁											
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat											
T 1	23n12	11s22	4n24	20n55	1n16	22n52	1n15	0s59	2s58	23n22	0s3	15s8	1s18	22n39	0n1	6n4	1n11	2s33	16s16	23n13	23n13	20s32	16s29	6n59		
F 2	23 8 15 16	3 42 20 28	1 8	22 41 1 16	0 46 2 59	23 21 0 3	15 9 1 18	22 39 0 1	6 4 1 11	2 33 16 16	23 13 23 13	20 33 16 29	6 59	23 4 18 33	2 51 20 0	1 1	22 29 1 18	0 32 3 0	23 21 0 3	15 10 1 18	22 40 0 1	6 3 1 11	2 33 16 17	23 13 23 14	20 35 16 29	6 59
S 3	23 4 18 33	2 51 20 0	1 1	22 29 1 18	0 32 3 0	23 21 0 3	15 10 1 18	22 40 0 1	6 3 1 11	2 33 16 17	23 13 23 14	20 35 16 29	6 59	S 4	22 59 21 4	1 52 19 32	0 53 22 17	1 19 0 19	3 1 23 20	0 3 15 11	1 18 22 40	0 1 6 3 1 11	2 33 16 17	23 13 23 14	20 36 16 29	6 59
M 5	22 54 22 41	0 49 19 3	0 44 22 4	1 20 0 5	3 2 23 20	0 3 15 12	1 18 22 41	0 1 6 2 1 11	2 33 16 17	23 13 23 14	20 38 16 29	6 59	T 6	22 48 23 16	0s17 18 34	0 35 21 50	1 21 0n 8	3 4 23 19	0 3 15 13	1 19 22 41	0 1 6 2 1 11	2 33 16 17	23 13 23 14	20 40 16 30	6 59	
T 7	22 42 22 47	1 23 18 5	0 25 21 36	1 23 0 21	3 5 23 19	0 3 15 14	1 19 22 41	0 1 6 1 1 11	2 33 16 18	23 13 23 14	20 41 16 30	6 59	T 8	22 36 21 14	2 26 17 35	0 15 21 21	1 24 0 34	3 6 23 18	0 3 15 16	1 19 22 42	0 1 6 1 1 11	2 33 16 18	23 13 23 15	20 43 16 30	6 59	
F 9	22 29 18 39	3 23 17 6	0 5 21 6	1 25 0 47	3 7 23 18	0 3 15 17	1 19 22 42	0 1 6 0 1 11	2 33 16 18	23 13 23 15	20 44 16 30	6 59	S 10	22 22 15 10	4 11 16 37	0s 6 20 49	1 26 1 0	3 8 23 17	0 2 15 18	1 19 22 42	0 1 6 0 1 11	2 33 16 19	23 13 23 15	20 46 16 30	6 59	
S 11	22 14 10 57	4 47 16 7	0 17 20 33	1 26 1 13	3 9 23 17	0 2 15 19	1 19 22 43	0 1 5 59 1 11	2 34 16 19	23 13 23 15	20 47 16 30	6 59	M 12	22 7 6 9	5 10 15 38	0 28 20 16	1 27 1 25	3 10 23 16	0 2 15 20	1 20 22 43	0 1 5 59 1 11	2 34 16 19	23 13 23 15	20 49 16 30	6 59	
T 13	21 58 0 58	5 17 15 10	0 40 19 58	1 28 1 38	3 11 23 16	0 2 15 22	1 20 22 43	0 1 5 58 1 11	2 34 16 20	23 13 23 15	20 50 16 31	6 59	W 14	21 50 4n23	5 6 14 41	0 52 19 39	1 29 1 50	3 12 23 15	0 2 15 23	1 20 22 44	0 1 5 58 1 11	2 34 16 20	23 13 23 16	20 52 16 31	6 58	
T 15	21 41 9 38	4 37 14 14	1 4 19 20	1 29 2 2	3 13 23 14	0 2 15 24	1 20 22 44	0 1 5 57 1 11	2 34 16 20	23 13 23 16	20 53 16 31	6 58	F 16	21 31 14 30	3 51 13 47	1 16 19 1	1 30 2 14	3 14 23 14	0 2 15 26	1 20 22 44	0 1 5 57 1 11	2 34 16 20	23 13 23 16	20 55 16 31	6 58	
S 17	21 21 18 37	2 49 13 20	1 29 18 41	1 30 2 27	3 15 23 13	0 2 15 27	1 20 22 45	0 1 5 56 1 11	2 34 16 21	23 13 23 16	20 56 16 31	6 58	S 18	21 11 21 36	1 35 12 55	1 42 18 20	1 31 2 38	3 16 23 12	0 2 15 28	1 21 22 45	0 1 5 55 1 11	2 35 16 21	23 13 23 16	20 58 16 32	6 58	
M 19	21 1 23 7	0 14 12 30	1 55 18 0	1 31 2 50	3 17 23 11	0 2 15 30	1 21 22 45	0 1 5 55 1 11	2 35 16 21	23 13 23 17	20 59 16 32	6 58	T 20	20 50 23 0	1n 8 12 7	2 8 17 38	1 31 3 2	3 18 23 11	0 1 15 31	1 21 22 46	0 1 5 54 1 11	2 35 16 22	23 13 23 17	21 1 16 32	6 57	
W 21	20 39 21 16	2 24 11 44	2 21 17 16	1 32 3 13	3 19 23 10	0 1 15 32	1 21 22 46	0 1 5 53 1 11	2 35 16 22	23 13 23 17	21 2 16 32	6 57	T 22	20 27 18 10	3 30 11 23	2 34 16 54	1 32 3 25	3 20 23 9	0 1 15 34	1 21 22 46	0 1 5 53 1 11	2 35 16 22	23 13 23 17	21 4 16 32	6 57	
F 23	20 15 14 4	4 21 11 4	2 47 16 31	1 32 3 36	3 21 23 8	0 1 15 35	1 21 22 47	0 2 5 52 1 11	2 36 16 23	23 14 23 17	21 5 16 33	6 57	S 24	20 3 9 21	4 55 10 46	3 0 16 7	1 32 3 47	3 22 23 7	0 1 15 37	1 21 22 47	0 2 5 52 1 11	2 36 16 23	23 14 23 17	21 6 16 33	6 56	
S 25	19 50 4 20	5 12 10 30	3 13 15 44	1 32 3 58	3 23 23 7	0 1 15 38	1 21 22 47	0 2 5 51 1 11	2 36 16 23	23 14 23 18	21 8 16 33	6 56	M 26	19 37 0s43	5 13 10 16	3 25 15 19	1 32 4 9	3 23 23 6	0 1 15 40	1 22 22 48	0 2 5 50 1 11	2 36 16 24	23 14 23 18	21 9 16 33	6 56	
T 27	19 24 5 37	4 59 10 4	3 37 14 55	1 31 4 20	3 24 23 5	0 1 15 41	1 22 22 48	0 2 5 50 1 11	2 37 16 24	23 14 23 18	21 11 16 34	6 56	W 28	19 11 10 10	4 31 9 53	3 49 14 30	1 31 4 30	3 25 23 4	0 1 15 43	1 22 22 48	0 2 5 49 1 11	2 37 16 24	23 14 23 18	21 12 16 34	6 55	
T 29	18 57 14 15	3 52 9 46	4 0 14 5	1 31 4 40	3 26 23 3	0 1 15 44	1 22 22 48	0 2 5 48 1 11	2 37 16 25	23 14 23 18	21 14 16 34	6 55	F 30	18 42 17 44	3 3 9 40	4 10 13 39	1 30 4 51	3 27 23 2	0 1 15 46	1 22 22 49	0 2 5 47 1 11	2 37 16 25	23 14 23 18	21 15 16 35	6 55	
S 31	18n28	20s29	2n 7 9n37	4s19	13n13	1n30	5n 1	3s28	23n 1	0s 0	15s47	1s22	22n49	0n 2	5n47	1n11	2s38	16s25	23n14	23n19	21s17	16s35	6n54			

Julian Day Number = 2309281.5, Delta T = 119.94 sec
 Ecliptic obliquity = 23°29'22, Nutation = - 0°00'17
 Ayanamsha: Fagan/Bradley = 19°18'15, Lahiri = 18°25'15Greg. Calendar

SWISS EPHEMERIS for the year 1610

AUGUST 1610 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	20 37 30	8♄20'12	26♂17	23°R 8	0♁20	21♂30	11♁18	21°R 3	16♂24	18♁11	3♁56	8♁16	6♁49	18♂4	0°R 5
M 2	20 41 26	9°17'41	8♂11	22♄39	1°33	21°58	11°31	20♁59	16°26	18°12	3°56	8°R16	6°46	18°10	0♁3
T 3	20 45 23	10°15'11	20°13	22°6	2°46	22°25	11°44	20°55	16°29	18°14	3°56	8°16	6°43	18°17	0°0
W 4	20 49 20	11°12'41	2♁26	21°28	3°59	22°53	11°56	20°50	16°31	18°16	3°R56	8°14	6°40	18°24	29♂58
T 5	20 53 16	12°10'13	14°51	20°47	5°13	23°20	12°9	20°46	16°33	18°18	3°56	8°10	6°36	18°30	29°56
F 6	20 57 13	13°7'46	27°29	20°2	6°26	23°46	12°21	20°41	16°36	18°20	3°56	8°5	6°33	18°37	29°53
S 7	21 1 9	14°5'20	10♂21	19°15	7°39	24°12	12°34	20°37	16°38	18°22	3°56	7°59	6°30	18°44	29°51
S 8	21 5 6	15°2'55	23°26	18°26	8°53	24°38	12°46	20°32	16°40	18°24	3°56	7°53	6°27	18°50	29°49
M 9	21 9 2	16°0'32	6♂45	17°36	10°6	25°3	12°59	20°28	16°43	18°26	3°56	7°48	6°24	18°57	29°47
T 10	21 12 59	16°58'10	20°16	16°46	11°19	25°28	13°11	20°23	16°45	18°28	3°55	7°43	6°20	19°4	29°45
W 11	21 16 55	17°55'50	4♁0	15°57	12°32	25°52	13°23	20°19	16°47	18°30	3°55	7°41	6°17	19°10	29°43
T 12	21 20 52	18°53'31	17°55	15°10	13°45	26°15	13°36	20°14	16°49	18°32	3°55	7°D40	6°14	19°17	29°41
F 13	21 24 49	19°51'15	2♂1	14°25	14°59	26°39	13°48	20°10	16°51	18°34	3°55	7°40	6°11	19°24	29°39
S 14	21 28 45	20°49'00	16°17	13°45	16°12	27°1	14°0	20°5	16°53	18°36	3°55	7°42	6°8	19°30	29°37
S 15	21 32 42	21°46'46	0♁41	13°9	17°25	27°23	14°12	20°1	16°55	18°38	3°55	7°R43	6°5	19°37	29°36
M 16	21 36 38	22°44'35	15°10	12°39	18°38	27°45	14°24	19°56	16°57	18°40	3°54	7°43	6°1	19°44	29°34
T 17	21 40 35	23°42'25	29°39	12°15	19°51	28°6	14°36	19°52	16°59	18°42	3°54	7°41	5°58	19°50	29°32
W 18	21 44 31	24°40'16	14♄4	11°58	21°4	28°26	14°48	19°47	17°1	18°44	3°54	7°37	5°55	19°57	29°31
T 19	21 48 28	25°38'09	28°18	11°48	22°17	28°46	14°59	19°43	17°2	18°46	3°53	7°31	5°52	20°3	29°30
F 20	21 52 24	26°36'03	12♁16	11°D46	23°31	29°5	15°11	19°38	17°4	18°48	3°53	7°23	5°49	20°10	29°28
S 21	21 56 21	27°33'59	25°54	11°52	24°44	29°24	15°23	19°34	17°6	18°50	3°53	7°15	5°46	20°17	29°27
S 22	22 0 18	28°31'57	9♁10	12°5	25°57	29°42	15°34	19°29	17°7	18°52	3°52	7°7	5°42	20°23	29°26
M 23	22 4 14	29°29'55	22°4	12°27	27°10	29°59	15°46	19°25	17°9	18°54	3°52	7°0	5°39	20°30	29°25
T 24	22 8 11	0♁27'55	4♁37	12°57	28°23	0♁16	15°57	19°21	17°11	18°56	3°52	6°54	5°36	20°37	29°24
W 25	22 12 7	1°25'57	16°51	13°35	29°36	0°32	16°9	19°16	17°12	18°58	3°51	6°51	5°33	20°43	29°23
T 26	22 16 4	2°24'00	28°52	14°21	0♁49	0°47	16°20	19°12	17°13	19°1	3°51	6°D50	5°30	20°50	29°22
F 27	22 20 0	3°22'04	10♂44	15°14	2°2	1°2	16°31	19°8	17°15	19°3	3°50	6°50	5°26	20°57	29°22
S 28	22 23 57	4°20'10	22°33	16°15	3°15	1°16	16°42	19°3	17°16	19°5	3°50	6°51	5°23	21°3	29°21
S 29	22 27 53	5°18'17	4♁23	17°22	4°27	1°29	16°53	18°59	17°18	19°7	3°49	6°R52	5°20	21°10	29°21
M 30	22 31 50	6°16'25	16°20	18°36	5°40	1°42	17°4	18°55	17°19	19°9	3°49	6°51	5°17	21°17	29°20
T 31	22 35 47	7°14'36	28♁29	19♄56	6♁53	1♁54	17♁15	18♁51	17♂20	19♁12	3♁48	6♁49	5♁14	21♂23	29♂20

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	18n13	22s21	1n 5	9n37	4s28	12n46	1n29	5n10	3s28	23n 0	0s 0	15s49	1s22	22n49	0n 2	5n46	1n11	2s38	16s26	23n14	23n19	21s18	16s35	6n54
M 2	17 58	23 14	0 0	9 39	4 35	12 20	1 29	5 20	3 29	22 59	0 0	15 50	1 22	22 49	0 2	5 45	1 11	2 38	16 26	23 14	23 19	21 19	16 36	6 54
T 3	17 43	23 2	1s 5	9 44	4 41	11 52	1 28	5 30	3 30	22 58	0 0	15 52	1 23	22 50	0 2	5 45	1 11	2 39	16 26	23 14	23 19	21 21	16 36	6 53
W 4	17 27	21 44	2 8	9 52	4 45	11 25	1 27	5 39	3 31	22 57	0 0	15 53	1 23	22 50	0 2	5 44	1 11	2 39	16 27	23 14	23 19	21 22	16 36	6 53
T 5	17 11	19 23	3 6	10 2	4 48	10 57	1 26	5 48	3 31	22 56	0n 0	15 55	1 23	22 50	0 2	5 43	1 11	2 39	16 27	23 14	23 19	21 24	16 37	6 53
F 6	16 55	16 4	3 57	10 15	4 50	10 29	1 25	5 57	3 32	22 55	0 0	15 56	1 23	22 50	0 2	5 42	1 11	2 39	16 27	23 15	23 20	21 25	16 37	6 52
S 7	16 38	11 57	4 35	10 30	4 49	10 1	1 24	6 6	3 33	22 54	0 0	15 58	1 23	22 51	0 2	5 42	1 11	2 40	16 27	23 15	23 20	21 26	16 37	6 52
S 8	16 21	7 13	5 1	10 47	4 47	9 33	1 23	6 15	3 33	22 53	0 0	15 59	1 23	22 51	0 2	5 41	1 10	2 40	16 28	23 15	23 20	21 28	16 38	6 52
M 9	16 4	2 4	5 10	11 6	4 43	9 4	1 22	6 24	3 34	22 52	0 0	16 1	1 23	22 51	0 2	5 40	1 10	2 40	16 28	23 16	23 20	21 29	16 38	6 51
T 10	15 47	3n15	5 3	11 27	4 36	8 35	1 21	6 32	3 35	22 51	0 0	16 2	1 23	22 51	0 2	5 39	1 10	2 41	16 28	23 16	23 20	21 31	16 39	6 51
W 11	15 29	8 30	4 39	11 49	4 28	8 6	1 20	6 40	3 35	22 50	0 0	16 4	1 23	22 52	0 2	5 38	1 10	2 41	16 29	23 16	23 20	21 32	16 39	6 50
T 12	15 12	13 24	3 57	12 12	4 19	7 36	1 18	6 48	3 36	22 48	0 0	16 5	1 23	22 52	0 2	5 38	1 10	2 41	16 29	23 16	23 21	21 33	16 39	6 50
F 13	14 53	17 39	3 1	12 36	4 7	7 7	1 17	6 56	3 36	22 47	0 0	16 7	1 23	22 52	0 2	5 37	1 10	2 42	16 29	23 16	23 21	21 35	16 40	6 50
S 14	14 35	20 54	1 54	12 59	3 54	6 37	1 16	7 4	3 37	22 46	0 0	16 8	1 24	22 52	0 2	5 36	1 10	2 42	16 30	23 16	23 21	21 36	16 40	6 49
S 15	14 17	22 51	0 38	13 23	3 40	6 7	1 14	7 11	3 37	22 45	0 0	16 10	1 24	22 52	0 2	5 35	1 10	2 43	16 30	23 16	23 21	21 38	16 41	6 49
M 16	13 58	23 18	0n40	13 46	3 25	5 37	1 12	7 18	3 38	22 44	0 0	16 11	1 24	22 53	0 2	5 34	1 10	2 43	16 30	23 16	23 21	21 39	16 41	6 48
T 17	13 39	22 9	1 56	14 9	3 8	5 7	1 11	7 25	3 38	22 43	0 0	16 13	1 24	22 53	0 2	5 34	1 10	2 43	16 31	23 16	23 21	21 40	16 41	6 48
W 18	13 20	19 34	3 3	14 30	2 51	4 36	1 9	7 32	3 39	22 41	0 0	16 14	1 24	22 53	0 2	5 33	1 10	2 44	16 31	23 16	23 21	21 42	16 42	6 48
T 19	13 0	15 49	3 59	14 50	2 34	4 6	1 7	7 39	3 39	22 40	0 2	16 16	1 24	22 53	0 2	5 32	1 10	2 44	16 31	23 17	23 22	21 43	16 42	6 47
F 20	12 40	11 15	4 38	15 8	2 15	3 35	1 5	7 45	3 39	22 39	0 2	16 17	1 24	22 53	0 2	5 31	1 10	2 44	16 31	23 17	23 22	21 44	16 43	6 47
S 21	12 21	6 14	5 1	15 23	1 57	3 4	1 3	7 51	3 40	22 38	0 2	16 19	1 24	22 54	0 2	5 30	1 10	2 45	16 32	23 17	23 22	21 46	16 43	6 46
S 22	12 1	1 3	5 7	15 37	1 39	2 33	1 1	7 57	3 40	22 37	0 2	16 20	1 24	22 54	0 2	5 30	1 10	2 45	16 32	23 18	23 22	21 47	16 44	6 46
M 23	11 40	4s 1	4 57	15 48	1 21	2 2	0 59	8 3	3 40	22 35	0 2	16 22	1 24	22 54	0 2	5 29	1 10	2 46	16 32	23 18	23 22	21 48	16 44	6 45
T 24	11 20	8 49	4 32	15 57	1 3	1 31	0 57	8 9	3 40	22 34	0 2	16 23	1 24	22 54	0 2	5 28	1 10	2 46	16 33	23 19	23 22	21 50	16 44	6 45
W 25	10 59	13 8	3 56	16 3	0 46	1 0	0 55	8 14	3 41	22 33	0 2	16 24	1 24	22 54	0 2	5 27	1 10	2 46	16 33	23 19	23 22	21 51	16 45	6 44
T 26	10 38	16 52	3 10	16 5	0 30	0 29	0 53	8 19	3 41	22 32	0 2	16 26	1 24	22 54	0 2	5 26	1 10	2 47	16 33	23 19	23 23	21 52	16 45	6 44
F 27	10 18	19 52	2 16	16 5	0 14	0s 2	0 50	8 24	3 41	22 30	0 2	16 27	1 24	22 54	0 2	5 25	1 10	2 47	16 34	23 19	23 23	21 53	16 46	6 43
S 28	9 56	22 1	1 16	16 1	0n 1	0 33	0 48	8 29	3 41	22 29	0 2	16 29	1 24	22 55	0 2	5 24	1 10	2 48	16 34	23 19	23 23	21 55	16 46	6 43
S 29	9 35	23 12	0 13	15 55	0 16	1 5	0 46	8 34																

SWISS EPHEMERIS for the year 1610

SEPTEMBER 1610 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	22 39 43	8 ^m 12'47	10 ^{ss} 52	21 ^Ω 21	8 [♁] 6	2 [♂] 5	17 [♁] 26	18 [♁] 47	17 [♁] 21	19 [♁] 14	3 [♁] R48	6 [♁] R44	5 [♁] 11	21 [♁] 30	29 [♁] R19
T 2	22 43 40	9 ^o 11'01	23 [♁] 31	22 [♁] 51	9 [♁] 19	2 [♁] 15	17 [♁] 36	18 [♁] 42	17 [♁] 22	19 [♁] 16	3 [♁] R47	6 [♁] 37	5 [♁] 7	21 [♁] 37	29 [♁] R19
F 3	22 47 36	10 ^o 9'16	6 [♁] X29	24 [♁] 25	10 [♁] 32	2 [♁] 25	17 [♁] 47	18 [♁] 38	17 [♁] 23	19 [♁] 18	3 [♁] 47	6 [♁] 28	5 [♁] 4	21 [♁] 43	29 [♁] R19
S 4	22 51 33	11 ^o 7'33	19 [♁] 43	26 [♁] 4	11 [♁] 44	2 [♁] 33	17 [♁] 58	18 [♁] 34	17 [♁] 24	19 [♁] 20	3 [♁] 46	6 [♁] 17	5 [♁] 1	21 [♁] 50	29 [♁] D19
S 5	22 55 29	12 ^o 5'51	3 [♁] Y13	27 [♁] 45	12 [♁] 57	2 [♁] 41	18 [♁] 8	18 [♁] 30	17 [♁] 25	19 [♁] 23	3 [♁] 45	6 [♁] 6	4 [♁] 58	21 [♁] 57	29 [♁] R19
M 6	22 59 26	13 ^o 4'12	16 [♁] 56	29 [♁] 30	14 [♁] 10	2 [♁] 48	18 [♁] 18	18 [♁] 27	17 [♁] 26	19 [♁] 25	3 [♁] 45	5 [♁] 56	4 [♁] 55	22 [♁] 3	29 [♁] R19
T 7	23 3 22	14 ^o 2'35	0 [♁] X48	1 [♁] 16	15 [♁] 22	2 [♁] 55	18 [♁] 28	18 [♁] 23	17 [♁] 27	19 [♁] 27	3 [♁] 44	5 [♁] 48	4 [♁] 52	22 [♁] 10	29 [♁] 20
W 8	23 7 19	15 ^o 0'59	14 [♁] 47	3 [♁] 5	16 [♁] 35	3 [♁] 0	18 [♁] 39	18 [♁] 19	17 [♁] 28	19 [♁] 29	3 [♁] 43	5 [♁] 42	4 [♁] 48	22 [♁] 16	29 [♁] 20
T 9	23 11 15	15 ^o 59'26	28 [♁] 50	4 [♁] 55	17 [♁] 48	3 [♁] 5	18 [♁] 49	18 [♁] 15	17 [♁] 29	19 [♁] 31	3 [♁] 43	5 [♁] 39	4 [♁] 45	22 [♁] 23	29 [♁] 20
F 10	23 15 12	16 ^o 57'55	12 [♁] 56	6 [♁] 46	19 [♁] 0	3 [♁] 9	18 [♁] 58	18 [♁] 11	17 [♁] 30	19 [♁] 34	3 [♁] 42	5 [♁] D38	4 [♁] 42	22 [♁] 30	29 [♁] 21
S 11	23 19 9	17 ^o 56'27	27 [♁] 3	8 [♁] 38	20 [♁] 13	3 [♁] 12	19 [♁] 8	18 [♁] 8	17 [♁] 30	19 [♁] 36	3 [♁] 41	5 [♁] 38	4 [♁] 39	22 [♁] 36	29 [♁] 21
S 12	23 23 5	18 ^o 55'01	11 [♁] 10	10 [♁] 30	21 [♁] 25	3 [♁] 14	19 [♁] 18	18 [♁] 4	17 [♁] 31	19 [♁] 38	3 [♁] 40	5 [♁] R38	4 [♁] 36	22 [♁] 43	29 [♁] 22
M13	23 27 2	19 ^o 53'37	25 [♁] 17	12 [♁] 23	22 [♁] 38	3 [♁] 15	19 [♁] 28	18 [♁] 1	17 [♁] 31	19 [♁] 40	3 [♁] 40	5 [♁] 37	4 [♁] 32	22 [♁] 50	29 [♁] 23
T 14	23 30 58	20 ^o 52'15	9 [♁] Ω21	14 [♁] 15	23 [♁] 50	3 [♁] R15	19 [♁] 37	17 [♁] 57	17 [♁] 32	19 [♁] 43	3 [♁] 39	5 [♁] 33	4 [♁] 29	22 [♁] 56	29 [♁] 23
W15	23 34 55	21 ^o 50'55	23 [♁] 20	16 [♁] 8	25 [♁] 3	3 [♁] 15	19 [♁] 46	17 [♁] 54	17 [♁] 32	19 [♁] 45	3 [♁] 38	5 [♁] 27	4 [♁] 26	23 [♁] 3	29 [♁] 24
T 16	23 38 51	22 ^o 49'37	7 [♁] 10	17 [♁] 59	26 [♁] 15	3 [♁] 13	19 [♁] 56	17 [♁] 51	17 [♁] 33	19 [♁] 47	3 [♁] 37	5 [♁] 17	4 [♁] 23	23 [♁] 10	29 [♁] 25
F 17	23 42 48	23 ^o 48'22	20 [♁] 49	19 [♁] 51	27 [♁] 28	3 [♁] 11	20 [♁] 5	17 [♁] 47	17 [♁] 33	19 [♁] 49	3 [♁] 37	5 [♁] 6	4 [♁] 20	23 [♁] 16	29 [♁] 26
S 18	23 46 44	24 ^o 47'08	4 [♁] 12	21 [♁] 42	28 [♁] 40	3 [♁] 7	20 [♁] 14	17 [♁] 44	17 [♁] 33	19 [♁] 51	3 [♁] 36	4 [♁] 53	4 [♁] 17	23 [♁] 23	29 [♁] 27
S 19	23 50 41	25 ^o 45'56	17 [♁] 17	23 [♁] 32	29 [♁] 53	3 [♁] 3	20 [♁] 23	17 [♁] 41	17 [♁] 34	19 [♁] 54	3 [♁] 35	4 [♁] 41	4 [♁] 13	23 [♁] 30	29 [♁] 29
M20	23 54 38	26 ^o 44'46	0 [♁] 11. 4	25 [♁] 21	1 [♁] 11. 5	2 [♁] 58	20 [♁] 31	17 [♁] 38	17 [♁] 34	19 [♁] 56	3 [♁] 34	4 [♁] 29	4 [♁] 10	23 [♁] 36	29 [♁] 30
T 21	23 58 34	27 ^o 43'38	12 [♁] 33	27 [♁] 10	2 [♁] 17	2 [♁] 52	20 [♁] 40	17 [♁] 35	17 [♁] 34	19 [♁] 58	3 [♁] 33	4 [♁] 20	4 [♁] 7	23 [♁] 43	29 [♁] 31
W22	0 2 31	28 ^o 42'32	24 [♁] 45	28 [♁] 57	3 [♁] 30	2 [♁] 45	20 [♁] 49	17 [♁] 32	17 [♁] 34	20 [♁] 0	3 [♁] 32	4 [♁] 14	4 [♁] 4	23 [♁] 50	29 [♁] 33
T 23	0 6 27	29 ^o 41'28	6 [♁] X44	0 [♁] 44	4 [♁] 42	2 [♁] 37	20 [♁] 57	17 [♁] 30	17 [♁] R34	20 [♁] 3	3 [♁] 31	4 [♁] 10	4 [♁] 1	23 [♁] 56	29 [♁] 34
F 24	0 10 24	0 [♁] 40'26	18 [♁] 36	2 [♁] 30	5 [♁] 54	2 [♁] 29	21 [♁] 5	17 [♁] 27	17 [♁] 34	20 [♁] 5	3 [♁] 30	4 [♁] 8	3 [♁] 57	24 [♁] 3	29 [♁] 36
S 25	0 14 20	1 ^o 39'25	0 [♁] Z24	4 [♁] 15	7 [♁] 6	2 [♁] 19	21 [♁] 13	17 [♁] 24	17 [♁] 34	20 [♁] 7	3 [♁] 29	4 [♁] 8	3 [♁] 54	24 [♁] 9	29 [♁] 38
S 26	0 18 17	2 ^o 38'26	12 [♁] 14	6 [♁] 0	8 [♁] 18	2 [♁] 9	21 [♁] 22	17 [♁] 22	17 [♁] 34	20 [♁] 9	3 [♁] 29	4 [♁] 8	3 [♁] 51	24 [♁] 16	29 [♁] 40
M27	0 22 13	3 ^o 37'29	24 [♁] 12	7 [♁] 43	9 [♁] 30	1 [♁] 58	21 [♁] 29	17 [♁] 19	17 [♁] 34	20 [♁] 11	3 [♁] 28	4 [♁] 7	3 [♁] 48	24 [♁] 23	29 [♁] 42
T 28	0 26 10	4 ^o 36'34	6 [♁] X23	9 [♁] 26	10 [♁] 42	1 [♁] 46	21 [♁] 37	17 [♁] 17	17 [♁] 34	20 [♁] 14	3 [♁] 27	4 [♁] 4	3 [♁] 45	24 [♁] 29	29 [♁] 44
W29	0 30 7	5 ^o 35'40	18 [♁] 51	11 [♁] 7	11 [♁] 55	1 [♁] 34	21 [♁] 45	17 [♁] 15	17 [♁] 33	20 [♁] 16	3 [♁] 26	3 [♁] 59	3 [♁] 42	24 [♁] 36	29 [♁] 46
T 30	0 34 3	6 ^o 34'49	1 [♁] X40	12 [♁] 48	13 [♁] 11. 7	1 [♁] X20	21 [♁] 52	17 [♁] X13	17 [♁] 33	20 [♁] 18	3 [♁] X25	3 [♁] X51	3 [♁] X38	24 [♁] X43	29 [♁] X48

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
W 1	8n30	20s17	2s51	15n15	0n53	2s38	0n38	8n46	3s41	22n24	0n 3	16s34	1s24	22n55	0n 2	5n21	1n10	2s49	16s35	23n19	23n23	22s 0	16s48	6n41
T 2	8 9	17 12	3 42	14 55	1 3	3 9	0 36	8 50	3 41	22 23	0 3	16 35	1 24	22 55	0 2	5 20	1 10	2 50	16 35	23 19	23 23	22 1	16 49	6 41
F 3	7 47	13 13	4 23	14 32	1 12	3 40	0 33	8 53	3 40	22 21	0 3	16 37	1 25	22 55	0 2	5 19	1 10	2 50	16 35	23 20	23 24	22 3	16 49	6 40
S 4	7 24	8 32	4 50	14 7	1 20	4 11	0 30	8 56	3 40	22 20	0 3	16 38	1 25	22 55	0 2	5 18	1 10	2 51	16 36	23 20	23 24	22 4	16 50	6 40
S 5	7 2	3 21	5 2	13 39	1 27	4 42	0 28	8 59	3 40	22 19	0 3	16 39	1 25	22 56	0 2	5 18	1 10	2 51	16 36	23 21	23 24	22 5	16 50	6 39
M 6	6 40	2n 5	4 57	13 8	1 33	5 13	0 25	9 2	3 39	22 18	0 3	16 40	1 25	22 56	0 2	5 17	1 10	2 52	16 36	23 21	23 24	22 6	16 51	6 39
T 7	6 17	7 29	4 35	12 34	1 38	5 44	0 22	9 5	3 39	22 16	0 4	16 42	1 25	22 56	0 2	5 16	1 10	2 52	16 36	23 22	23 24	22 8	16 51	6 38
W 8	5 55	12 33	3 56	11 59	1 42	6 14	0 19	9 7	3 38	22 15	0 4	16 43	1 25	22 56	0 2	5 15	1 10	2 52	16 37	23 22	23 24	22 9	16 52	6 38
T 9	5 32	16 59	3 2	11 22	1 45	6 45	0 16	9 9	3 38	22 14	0 4	16 44	1 25	22 56	0 2	5 14	1 10	2 53	16 37	23 22	23 24	22 10	16 52	6 37
F 10	5 9	20 27	1 58	10 43	1 48	7 15	0 13	9 11	3 37	22 12	0 4	16 45	1 25	22 56	0 2	5 13	1 10	2 53	16 37	23 22	23 24	22 11	16 53	6 37
S 11	4 47	22 42	0 45	10 2	1 49	7 46	0 10	9 13	3 37	22 11	0 4	16 46	1 25	22 56	0 2	5 12	1 10	2 54	16 37	23 22	23 24	22 13	16 53	6 36
S 12	4 24	23 30	0n29	9 20	1 50	8 16	0 7	9 14	3 36	22 10	0 4	16 47	1 25	22 56	0 2	5 11	1 10	2 54	16 38	23 22	23 25	22 14	16 54	6 36
M13	4 1	22 48	1 42	8 37	1 49	8 46	0 4	9 15	3 35	22 9	0 4	16 48	1 25	22 56	0 2	5 11	1 10	2 55	16 38	23 22	23 25	22 15	16 54	6 35
T 14	3 38	20 40	2 49	7 53	1 49	9 15	0 1	9 16	3 34	22 7	0 4	16 49	1 25	22 56	0 2	5 10	1 10	2 55	16 38	23 22	23 25	22 16	16 55	6 35
W15	3 14	17 18	3 44	7 8	1 47	9 45	0s 2	9 17	3 33	22 6	0 4	16 50	1 25	22 56	0 2	5 9	1 10	2 56	16 38	23 23	23 25	22 17	16 55	6 34
T 16	2 51	13 0	4 26	6 22	1 45	10 14	0 5	9 17	3 32	22 5	0 5	16 51	1 25	22 56	0 2	5 8	1 10	2 56	16 39	23 23	23 25	22 19	16 56	6 34
F 17	2 28	8 7	4 52	5 36	1 42	10 43	0 8	9 17	3 31	22 4	0 5	16 52	1 25	22 56	0 2	5 7	1 10	2 57	16 39	23 23	23 25	22 20	16 56	

SWISS EPHEMERIS for the year 1610

OCTOBER 1610 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	0 38 0	7♂33'59	14♂52	14♂28	14♂18	1°R 6	22♂ 0	17°R11	17°R33	20♂20	3°R24	3°R41	3♂35	24♂49	29♂50	
S 2	0 41 56	8°33'11	28°26	16° 8	15°30	0♂52	22° 7	17♂ 9	17♂32	20°22	3♂23	3♂29	3°32	24°56	29°52	
S 3	0 45 53	9°32'25	12♂20	17°46	16°42	0°36	22°14	17° 7	17°32	20°24	3°22	3°16	3°29	25° 3	29°55	
M 4	0 49 49	10°31'41	26°29	19°24	17°54	0°20	22°21	17° 5	17°31	20°26	3°21	3° 5	3°26	25° 9	29°57	
T 5	0 53 46	11°31'00	10♂48	21° 1	19° 6	0° 4	22°28	17° 3	17°31	20°29	3°20	2°55	3°23	25°16	29°59	
W 6	0 57 42	12°30'20	25°11	22°37	20°18	29♂47	22°34	17° 2	17°30	20°31	3°19	2°48	3°19	25°23	0♂ 2	
T 7	1 1 39	13°29'43	9♂33	24°12	21°29	29°29	22°41	17° 0	17°29	20°33	3°18	2°44	3°16	25°29	0° 5	
F 8	1 5 35	14°29'09	23°51	25°47	22°41	29°11	22°47	16°59	17°29	20°35	3°16	2°43	3°13	25°36	0° 8	
S 9	1 9 32	15°28'36	8♂ 2	27°21	23°53	28°52	22°53	16°57	17°28	20°37	3°15	2°42	3°10	25°42	0°10	
S 10	1 13 29	16°28'07	22° 4	28°55	25° 4	28°33	22°59	16°56	17°27	20°39	3°14	2°42	3° 7	25°49	0°13	
M11	1 17 25	17°27'39	5♂57	0♂28	26°16	28°14	23° 5	16°55	17°26	20°41	3°13	2°41	3° 3	25°56	0°16	
T 12	1 21 22	18°27'14	19°42	2° 0	27°27	27°54	23°11	16°54	17°25	20°43	3°12	2°38	3° 0	26° 2	0°19	
W13	1 25 18	19°26'51	3♂18	3°31	28°39	27°35	23°16	16°53	17°24	20°45	3°11	2°32	2°57	26° 9	0°22	
T 14	1 29 15	20°26'30	16°43	5° 2	29°50	27°14	23°21	16°52	17°23	20°47	3°10	2°23	2°54	26°16	0°26	
F 15	1 33 11	21°26'11	29°58	6°33	1♂ 1	26°54	23°27	16°52	17°22	20°49	3° 9	2°12	2°51	26°22	0°29	
S 16	1 37 8	22°25'55	12♂59	8° 2	2°13	26°34	23°32	16°51	17°21	20°51	3° 8	1°59	2°48	26°29	0°32	
S 17	1 41 4	23°25'40	25°47	9°31	3°24	26°14	23°37	16°50	17°20	20°53	3° 7	1°47	2°44	26°36	0°36	
M18	1 45 1	24°25'27	8♂21	11° 0	4°35	25°53	23°41	16°50	17°19	20°55	3° 6	1°36	2°41	26°42	0°39	
T 19	1 48 58	25°25'17	20°40	12°27	5°46	25°33	23°46	16°50	17°17	20°57	3° 4	1°27	2°38	26°49	0°43	
W20	1 52 54	26°25'08	2♂47	13°54	6°57	25°13	23°50	16°49	17°16	20°59	3° 3	1°20	2°35	26°56	0°46	
T 21	1 56 51	27°25'02	14°43	15°21	8° 8	24°53	23°54	16°49	17°15	21° 1	3° 2	1°16	2°32	27° 2	0°50	
F 22	2 0 47	28°24'57	26°32	16°46	9°19	24°33	23°58	16°D49	17°13	21° 2	3° 1	1°D15	2°28	27° 9	0°54	
S 23	2 4 44	29°24'53	8♂19	18°11	10°30	24°14	24° 2	16°49	17°12	21° 4	3° 0	1°15	2°25	27°16	0°57	
S 24	2 8 40	0♂24'52	20° 7	19°36	11°41	23°55	24° 6	16°50	17°10	21° 6	2°59	1°16	2°22	27°22	1° 1	
M25	2 12 37	1°24'52	2♂ 4	20°59	12°52	23°36	24° 9	16°50	17° 9	21° 8	2°58	1°R16	2°19	27°29	1° 5	
T 26	2 16 33	2°24'53	14°13	22°21	14° 3	23°17	24°12	16°50	17° 7	21°10	2°57	1°15	2°16	27°35	1° 9	
W27	2 20 30	3°24'57	26°41	23°43	15°13	23° 0	24°15	16°51	17° 6	21°12	2°55	1°12	2°13	27°42	1°13	
T 28	2 24 27	4°25'01	9♂31	25° 4	16°24	22°42	24°18	16°52	17° 4	21°13	2°54	1° 7	2° 9	27°49	1°17	
F 29	2 28 23	5°25'08	22°47	26°23	17°34	22°25	24°21	16°52	17° 2	21°15	2°53	1° 0	2° 6	27°55	1°22	
S 30	2 32 20	6°25'16	6♂30	27°41	18°45	22° 9	24°23	16°53	17° 1	21°17	2°52	0°52	2° 3	28° 2	1°26	
S 31	2 36 16	7♂25'26	20♂37	28♂58	19♂55	21♂53	24♂26	16♂54	16♂59	21♂18	2♂51	0♂43	2♂ 0	28♂ 9	1♂30	

Day	☉		☽		♀		♂		♂		♂		♂		♂		♂		♂					
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat				
F 1	3s 1	10s21	4s45	5s15	0n30	17s 2	0s54	8n58	3s 6	21n48	0n 6	17s 3	1s24	22n57	0n 2	4n55	1n11	3s 3	16s41	23n26	23n26	22s36	17s 3	6n26
S 2	3 24	5 12	4 59	6 0	0 24	17 26	0 57	8 55	3 4	21 47	0 7	17 4	1 24	22 57	0 2	4 54	1 11	3 3	16 41	23 27	23 27	22 37	17 4	6 26
S 3	3 47	0n20	4 57	6 44	0 17	17 50	1 1	8 52	3 1	21 46	0 7	17 4	1 24	22 57	0 2	4 54	1 11	3 4	16 41	23 27	23 27	22 38	17 4	6 25
M 4	4 11	5 57	4 36	7 27	0 10	18 14	1 4	8 49	2 59	21 45	0 7	17 5	1 24	22 56	0 2	4 53	1 11	3 4	16 42	23 27	23 27	22 40	17 5	6 25
T 5	4 34	11 19	3 58	8 10	0 3	18 37	1 7	8 46	2 56	21 44	0 7	17 5	1 24	22 56	0 2	4 52	1 11	3 5	16 42	23 27	23 27	22 41	17 5	6 24
W 6	4 57	16 7	3 5	8 52	0s 4	18 59	1 11	8 43	2 53	21 43	0 7	17 6	1 24	22 56	0 2	4 51	1 11	3 5	16 42	23 28	23 27	22 42	17 6	6 24
T 7	5 20	19 58	1 59	9 34	0 11	19 22	1 14	8 39	2 50	21 42	0 7	17 6	1 24	22 56	0 2	4 50	1 11	3 6	16 42	23 28	23 27	22 43	17 6	6 23
F 8	5 43	22 34	0 47	10 16	0 18	19 43	1 17	8 36	2 47	21 41	0 7	17 7	1 24	22 56	0 2	4 50	1 11	3 6	16 42	23 28	23 27	22 44	17 6	6 23
S 9	6 6	23 43	0n28	10 56	0 25	20 5	1 20	8 32	2 44	21 40	0 8	17 7	1 24	22 56	0 2	4 49	1 11	3 6	16 42	23 28	23 27	22 45	17 7	6 23
S 10	6 29	23 20	1 41	11 36	0 31	20 25	1 23	8 28	2 41	21 39	0 8	17 7	1 24	22 56	0 2	4 48	1 11	3 7	16 42	23 28	23 27	22 46	17 7	6 22
M11	6 52	21 31	2 47	12 15	0 38	20 46	1 27	8 25	2 38	21 38	0 8	17 8	1 24	22 56	0 2	4 47	1 11	3 7	16 42	23 28	23 27	22 47	17 8	6 22
T 12	7 15	18 27	3 42	12 54	0 45	21 5	1 30	8 21	2 35	21 38	0 8	17 8	1 24	22 56	0 2	4 46	1 11	3 8	16 42	23 28	23 27	22 48	17 8	6 21
W13	7 38	14 25	4 24	13 32	0 52	21 24	1 33	8 17	2 31	21 37	0 8	17 8	1 23	22 56	0 2	4 46	1 11	3 8	16 42	23 28	23 27	22 49	17 9	6 21
T 14	8 0	9 43	4 51	14 9	0 59	21 43	1 36	8 13	2 28	21 36	0 8	17 8	1 23	22 56	0 2	4 45	1 11	3 8	16 42	23 28	23 27	22 50	17 9	6 20
F 15	8 23	4 38	5 2	14 45	1 5	22 1	1 39	8 9	2 24	21 35	0 8	17 8	1 23	22 56	0 2	4 44	1 11	3 9	16 42	23 28	23 28	22 52	17 9	6 20
S 16	8 45	0s35	4 56	15 21	1 12	22 19	1 42	8 5	2 21	21 34	0 9	17 9	1 23	22 56	0 2	4 43	1 11	3 9	16 43	23 28	23 28	22 53	17 10	6 19
S 17	9 7	5 42	4 36	15 56	1 19	22 35	1 45	8 1	2 17	21 34	0 9	17 9	1 23	22 56	0 2	4 43	1 11	3 10	16 43	23 29	23 28	22 54	17 10	6 19
M18	9 29	10 29	4 3	16 30	1 25	22 52	1 48	7 57	2 13	21 33	0 9	17 9	1 23	22 55	0 2	4 42	1 11	3 10	16 43	23 29	23 28	22 55	17 11	6 19
T 19	9 51	14 46	3 19	17 3	1 31	23 8	1 50	7 53	2 10	21 33	0 9	17 9	1 23	22 55	0 2	4 41	1 11	3 10	16 43	23 29	23 28	22 56	17 11	6 18
W20	10 13	18 23	2 26	17 36	1 37	23 23	1 53	7 49	2 6	21 32	0 9	17 9	1 23	22 55	0 2	4 40	1 11	3 11	16 43	23 29	23 28	22 57	17 11	6 18
T 21	10 35	21 10	1 27	18 7	1 43	23 37	1 56	7 46	2 2	21 31	0 9	17 9	1 23	22 55	0 3	4 40	1 11	3 11	16 43	23 29	23 28	22 58	17 12	6 17
F 22	10 56	23 1	0 25	18 37	1 49	23 51	1 59	7 42	1 58	21 31	0 9	17 9	1 23	22 55	0 3	4 39	1 11	3 12	16 43	23 29	23 28	22 59	17 12	6 17
S 23	11 17	23 51	0s38	19 7	1 55	24 4	2 1	7 38	1 55	21 30	0 10	17 9	1 23	22 55	0 3	4 38	1 11	3 12	16 43	23				

SWISS EPHEMERIS for the year 1610

NOVEMBER 1610 GC

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	
M 1	2 40 13	8♏25'37	5♄ 6	0♄14	21♄ 5	21°R38	24♄28	16♄55	16°R57	21♏20	2°R50	0°R34	1♄57	28♄15	1♄34
T 2	2 44 9	9°25'50	19°49	1°28	22°15	21°P24	24°30	16°56	16°I55	21°22	2♄49	0♄27	1°54	28°22	1°39
W 3	2 48 6	10°26'05	4♏38	2°40	23°25	21°10	24°32	16°57	16°53	21°23	2°48	0°22	1°50	28°29	1°43
T 4	2 52 2	11°26'23	19°26	3°50	24°35	20°57	24°33	16°59	16°51	21°25	2°46	0°20	1°47	28°35	1°48
F 5	2 55 59	12°26'42	4♄ 6	4°58	25°45	20°45	24°35	17° 0	16°49	21°26	2°45	0°D19	1°44	28°42	1°52
S 6	2 59 56	13°27'03	18°33	6° 4	26°55	20°33	24°36	17° 2	16°47	21°28	2°44	0°20	1°41	28°49	1°57
S 7	3 3 52	14°27'26	2♏44	7° 6	28° 5	20°22	24°37	17° 3	16°45	21°30	2°43	0°21	1°38	28°55	2° 2
M 8	3 7 49	15°27'51	16°38	8° 6	29°14	20°12	24°38	17° 5	16°43	21°31	2°42	0°R22	1°34	29° 2	2° 6
T 9	3 11 45	16°28'18	0♏15	9° 2	0♄24	20° 3	24°38	17° 7	16°41	21°32	2°41	0°21	1°31	29° 8	2°11
W10	3 15 42	17°28'46	13°37	9°54	1°33	19°54	24°38	17° 9	16°39	21°34	2°40	0°18	1°28	29°15	2°16
T 11	3 19 38	18°29'17	26°43	10°42	2°42	19°46	24°R39	17°11	16°37	21°35	2°39	0°13	1°25	29°22	2°21
F 12	3 23 35	19°29'49	9♄37	11°24	3°52	19°39	24°39	17°13	16°35	21°37	2°38	0° 7	1°22	29°28	2°26
S 13	3 27 31	20°30'23	22°17	12° 1	5° 1	19°33	24°38	17°15	16°33	21°38	2°37	29°I59	1°19	29°35	2°31
S 14	3 31 28	21°30'59	4♏46	12°31	6°10	19°28	24°38	17°18	16°30	21°39	2°36	29°52	1°15	29°42	2°36
M15	3 35 25	22°31'37	17° 3	12°54	7°18	19°23	24°37	17°20	16°28	21°41	2°34	29°45	1°12	29°48	2°41
T 16	3 39 21	23°32'16	29°11	13°10	8°27	19°20	24°37	17°22	16°26	21°42	2°33	29°40	1° 9	29°55	2°46
W17	3 43 18	24°32'56	11♄ 9	13°R16	9°36	19°17	24°36	17°25	16°24	21°43	2°32	29°36	1° 6	0♄ 2	2°51
T 18	3 47 14	25°33'38	23° 1	13°13	10°44	19°15	24°34	17°28	16°21	21°44	2°31	29°35	1° 3	0° 8	2°56
F 19	3 51 11	26°34'21	4♄48	13° 1	11°52	19°14	24°33	17°31	16°19	21°46	2°30	29°D34	1° 0	0°15	3° 2
S 20	3 55 7	27°35'05	16°34	12°37	13° 0	19°D13	24°31	17°34	16°17	21°47	2°29	29°36	0°56	0°22	3° 7
S 21	3 59 4	28°35'51	28°22	12° 3	14° 8	19°14	24°29	17°37	16°14	21°48	2°28	29°37	0°53	0°28	3°12
M22	4 3 0	29°36'37	10♄18	11°18	15°16	19°15	24°27	17°40	16°12	21°49	2°27	29°39	0°50	0°35	3°18
T 23	4 6 57	0♄37'25	22°25	10°22	16°24	19°17	24°25	17°43	16° 9	21°50	2°26	29°40	0°47	0°42	3°23
W24	4 10 54	1°38'13	4♄48	9°18	17°31	19°20	24°23	17°46	16° 7	21°51	2°25	29°R41	0°44	0°48	3°28
T 25	4 14 50	2°39'02	17°34	8° 5	18°39	19°23	24°20	17°50	16° 4	21°52	2°24	29°40	0°40	0°55	3°34
F 26	4 18 47	3°39'53	0♄44	6°46	19°46	19°28	24°17	17°53	16° 2	21°53	2°23	29°38	0°37	1° 1	3°39
S 27	4 22 43	4°40'44	14°22	5°24	20°52	19°33	24°14	17°57	15°59	21°54	2°22	29°34	0°34	1° 8	3°45
S 28	4 26 40	5°41'36	28°29	4° 2	21°59	19°38	24°11	18° 0	15°57	21°55	2°22	29°31	0°31	1°15	3°50
M29	4 30 36	6°42'29	13♄ 1	2°41	23° 6	19°45	24° 8	18° 4	15°54	21°56	2°21	29°27	0°28	1°21	3°56
T 30	4 34 33	7°43'23	27♄54	1♄25	24♄12	19°V52	24♄ 4	18♄ 8	15°I52	21°V57	2♄20	29°I25	0♄25	1♄28	4♄ 2

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
M 1	14s21	9n16	4s13	22s45	2s34	25s33	2s22	7n13	1s20	21n27	0n11	17s 6	1s22	22n54	0n 3	4n32	1n12	3s15	16s42	23n29	23n29	23s 9	17s16	6n13
T 2	14 40	14 31	3 20	23 3	2 36	25 40	2 24	7 11	1 16	21 27	0 11	17 6	1 22	22 53	0 3	4 32	1 12	3 15	16 42	23 29	23 29	23 10	17 16	6 13
W 3	14 59	18 55	2 14	23 20	2 39	25 45	2 26	7 10	1 12	21 27	0 11	17 5	1 22	22 53	0 3	4 31	1 12	3 16	16 42	23 29	23 29	23 11	17 16	6 13
T 4	15 18	22 6	0 58	23 35	2 40	25 50	2 28	7 8	1 8	21 27	0 11	17 5	1 22	22 53	0 3	4 31	1 12	3 16	16 42	23 29	23 29	23 12	17 16	6 12
F 5	15 36	23 46	0n20	23 49	2 42	25 55	2 30	7 7	1 4	21 26	0 12	17 4	1 22	22 53	0 3	4 30	1 12	3 16	16 42	23 29	23 29	23 13	17 17	6 12
S 6	15 55	23 48	1 37	24 2	2 42	25 58	2 31	7 6	1 1	21 26	0 12	17 4	1 22	22 53	0 3	4 29	1 12	3 17	16 42	23 29	23 29	23 14	17 17	6 12
S 7	16 13	22 17	2 46	24 12	2 42	26 1	2 33	7 6	0 57	21 26	0 12	17 3	1 22	22 52	0 3	4 29	1 12	3 17	16 42	23 29	23 29	23 15	17 17	6 11
M 8	16 30	19 27	3 44	24 22	2 41	26 3	2 34	7 5	0 53	21 26	0 12	17 3	1 22	22 52	0 3	4 28	1 12	3 17	16 42	23 29	23 29	23 15	17 17	6 11
T 9	16 48	15 35	4 28	24 29	2 40	26 5	2 35	7 5	0 50	21 26	0 12	17 2	1 22	22 52	0 3	4 28	1 12	3 17	16 42	23 29	23 29	23 16	17 18	6 11
W10	17 5 11	1 4	5 27	24 35	2 38	26 6	2 37	7 5	0 46	21 27	0 12	17 1	1 22	22 52	0 3	4 27	1 12	3 18	16 42	23 29	23 29	23 17	17 18	6 10
T 11	17 22 6	2 5	9 24	38 2	2 38	26 6	2 38	7 5	0 43	21 27	0 12	17 1	1 21	22 52	0 3	4 27	1 12	3 18	16 42	23 29	23 29	23 18	17 18	6 10
F 12	17 39 0	5 2	5 5	24 40	2 30	26 5	2 39	7 6	0 39	21 27	0 13	17 0	1 21	22 51	0 3	4 26	1 12	3 18	16 42	23 29	23 29	23 19	17 18	6 10
S 13	17 55 4s15	4 47	24 40	2 25	26 3	2 40	7 7	0 36	21 27	0 13	16 59	1 21	22 51	0 3	4 26	1 12	3 18	16 41	23 29	23 29	23 20	17 18	6 10	
S 14	18 11 9 8	4 15	24 38	2 18	26 1	2 41	7 8	0 33	21 27	0 13	16 58	1 21	22 51	0 3	4 25	1 12	3 19	16 41	23 29	23 29	23 21	17 19	6 9	
M15	18 26 13 35	3 31	24 33	2 11	25 58	2 41	7 9	0 30	21 28	0 13	16 58	1 21	22 51	0 3	4 25	1 12	3 19	16 41	23 29	23 29	23 22	17 19	6 9	
T 16	18 42 17 26	2 38	24 26	2 2	25 55	2 42	7 11	0 26	21 28	0 13	16 57	1 21	22 51	0 3	4 24	1 12	3 19	16 41	23 29	23 29	23 23	17 19	6 9	
W17	18 57 20 32	1 39	24 17	1 51	25 51	2 42	7 12	0 23	21 28	0 13	16 56	1 21	22 50	0 3	4 24	1 12	3 19	16 41	23 29	23 29	23 24	17 19	6 9	
T 18	19 11 22 43	0 36	24 4	1 39	25 46	2 43	7 14	0 20	21 29	0 14	16 55	1 21	22 50	0 3	4 23	1 12	3 19	16 41	23 29	23 29	23 24	17 19	6 8	
F 19	19 26 23 53	0s29	23 49	1 26	25 40	2 43	7 17	0 17	21 29	0 14	16 54	1 21	22 50	0 3	4 23	1 12	3 20	16 41	23 29	23 29	23 25	17 19	6 8	
S 20	19 40 23 59	1 32	23 32	1 11	25 34	2 43	7 19	0 14	21 29	0 14	16 53	1 21	22 50	0 3	4 22	1 12	3 20	16 40	23 29	23 29	23 26	17 19	6 8	
S 21	19 53 23 0	2 32	23 11	0 54	25 27	2 43	7 22	0 11	21 30	0 14	16 52	1 21	22 49	0 3	4 22	1 12	3 20	16 40	23 29	23 29	23 27	17 20	6 8	
M22	20 7 20 59	3 25	22 47	0 36	25 19	2 43	7 25	0 8	21 30	0 14	16 51	1 21	22 49	0 3	4 22	1 12	3 20	16 40	23 29	23 29	23 28	17 20	6 7	
T 23	20 19 18 1	4 11	22 20	0 17	25 10	2 43	7 29	0 6	21 31	0 14	16 50	1 21	22 49	0 3	4 21	1 13	3 20	16 40	23 29	23 29	23 29	17 20	6 7	
W24	20 32 14 12	4 46	21 51	0n 3	25 1	2 43	7 32	0 3	21 32	0 15	16 49	1 21	22 49	0 3	4 21	1 13	3 20	16 40	23 29	23 29	23 30	17 20	6 7	
T 25	20 44 9 39	5 8	21 19	0 23	24 52	2 42	7 36	0 0	21 32	0 15	16 48	1 21	22 48	0 3	4 21	1 13	3 20	16 40	23 29	23 29	23 30	17 20	6 7	
F 26	20 56 4 31	5 15	20 46	0 43	24 42	2 41	7 40	0n 2	21 33	0 15	16 47	1 20	22 48	0 3	4 20	1 13	3 21	16 39	23 29	23 29	23 31	17 20	6 7	
S 27	21 7 1n 0	5 4	20 12	1 4	24 31	2 41	7 44	0 5	21 34	0 15	16 46	1 20	22 48	0 3	4 20	1 13	3 21	16 39	23 29	23 29	23 32	17 20	6 6	
S 28	21 18 6 40	4 36	19 39	1 23	24 19	2 40	7 49	0 8	21 34	0 15	16 44	1 20	22 48	0 3	4 20	1 13	3 21	16 39	23 29	23 29	23 33	17 20	6 6	
M29	21 29 12 9	3 49	19 6	1 40	24 7	2 39	7 54	0 10	21 35	0 15	16 43	1 20	22 47	0 3	4 19	1 13	3 21	16 39	23 29	23 29	23 34	17 20		

SWISS EPHEMERIS for the year 1610

DECEMBER 1610 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	4 38 29	8 ^h 44'18"	13 ^h 00'	0°R16	25 ^h 18'	20 ^h 00'	24°R 1	18 ^h 12'	15°R49	21 ^h 57'	2°R19	29°R23	0 ^h 21'	1 ^h 35'	4 ^h 07'
T 2	4 42 26	9°45'14"	28° 9	29 ^h 17'	26°24	20° 9	23 ^h 57'	18°16	15 ^h 47'	21°58	2 ^h 18	29°D22	0°18	1°41	4°13
F 3	4 46 23	10°46'11"	13 ^h 02'	28°27	27°29	20°18	23°53	18°20	15°44	21°59	2°17	29°R23	0°15	1°48	4°19
S 4	4 50 19	11°47'09"	28° 1	27°49	28°35	20°28	23°48	18°24	15°42	22° 0	2°16	29°24	0°12	1°55	4°24
S 5	4 54 16	12°48'08"	12 ^h 31'	27°22	29°40	20°38	23°44	18°28	15°39	22° 0	2°15	29°25	0° 9	2° 1	4°30
M 6	4 58 12	13°49'09"	26°38	27° 6	0 ^h 45'	20°50	23°39	18°32	15°37	22° 1	2°15	29°26	0° 6	2° 8	4°36
T 7	5 2 9	14°50'10"	10 ^h 21'	27°D 1	1°49	21° 1	23°35	18°37	15°34	22° 2	2°14	29°R27	0° 2	2°15	4°42
W 8	5 6 5	15°51'13"	23°41	27° 6	2°53	21°14	23°30	18°41	15°32	22° 2	2°13	29°27	29°R59	2°21	4°47
T 9	5 10 2	16°52'16"	6 ^h 40'	27°21	3°57	21°27	23°24	18°46	15°29	22° 3	2°12	29°26	29°56	2°28	4°53
F 10	5 13 59	17°53'21"	19°21	27°44	5° 1	21°40	23°19	18°50	15°26	22° 3	2°12	29°25	29°53	2°34	4°59
S 11	5 17 55	18°54'26"	1 ^h 46'	28°15	6° 4	21°54	23°14	18°55	15°24	22° 4	2°11	29°23	29°50	2°41	5° 5
S 12	5 21 52	19°55'33"	14° 0	28°52	7° 7	22° 9	23° 8	19° 0	15°21	22° 4	2°10	29°22	29°46	2°48	5°11
M13	5 25 48	20°56'40"	26° 4	29°36	8°10	22°24	23° 2	19° 5	15°19	22° 5	2° 9	29°20	29°43	2°54	5°17
T 14	5 29 45	21°57'48"	8 ^h 0	0 ^h 26'	9°13	22°40	22°56	19°10	15°16	22° 5	2° 9	29°19	29°40	3° 1	5°23
W15	5 33 41	22°58'56"	19°51	1°20	10°15	22°56	22°50	19°15	15°14	22° 5	2° 8	29°19	29°37	3° 8	5°29
T 16	5 37 38	24° 0'05"	1 ^h 39'	2°19	11°16	23°13	22°44	19°20	15°11	22° 6	2° 7	29°D19	29°34	3°14	5°35
F 17	5 41 34	25° 1'15"	13°26	3°21	12°18	23°31	22°38	19°25	15° 9	22° 6	2° 7	29°19	29°31	3°21	5°41
S 18	5 45 31	26° 2'25"	25°14	4°26	13°19	23°48	22°31	19°30	15° 6	22° 6	2° 6	29°19	29°27	3°28	5°47
S 19	5 49 28	27° 3'35"	7 ^h 6	5°35	14°19	24° 7	22°25	19°35	15° 4	22° 6	2° 6	29°20	29°24	3°34	5°53
M20	5 53 24	28° 4'45"	19° 5	6°46	15°19	24°25	22°18	19°41	15° 1	22° 7	2° 5	29°20	29°21	3°41	5°59
T 21	5 57 21	29° 5'55"	1 ^h 14'	7°59	16°19	24°45	22°11	19°46	14°59	22° 7	2° 4	29°R20	29°18	3°48	6° 5
W22	6 1 17	0 ^h 37'05"	13°37	9°14	17°18	25° 4	22° 4	19°52	14°56	22° 7	2° 4	29°20	29°15	3°54	6°11
T 23	6 5 14	1° 8'15"	26°18	10°31	18°17	25°24	21°57	19°57	14°54	22° 7	2° 3	29°D20	29°12	4° 1	6°17
F 24	6 9 10	2° 9'25"	9 ^h 20'	11°49	19°15	25°45	21°50	20° 3	14°51	22°R 7	2° 3	29°20	29° 8	4° 8	6°23
S 25	6 13 7	3°10'35"	22°47	13° 9	20°12	26° 6	21°43	20° 8	14°49	22° 7	2° 2	29°20	29° 5	4°14	6°29
S 26	6 17 3	4°11'45"	6 ^h 41'	14°30	21°10	26°27	21°35	20°14	14°47	22° 7	2° 2	29°20	29° 2	4°21	6°35
M27	6 21 0	5°12'55"	21° 1	15°52	22° 6	26°49	21°28	20°20	14°44	22° 7	2° 2	29°21	28°59	4°27	6°41
T 28	6 24 57	6°14'04"	5 ^h 14'	17°16	23° 2	27°11	21°20	20°26	14°42	22° 7	2° 1	29°22	28°56	4°34	6°47
W29	6 28 53	7°15'14"	20°49	18°40	23°57	27°33	21°13	20°32	14°40	22° 7	2° 1	29°22	28°52	4°41	6°53
T 30	6 32 50	8°16'23"	6 ^h 2	20° 5	24°52	27°56	21° 5	20°38	14°37	22° 6	2° 0	29°R22	28°49	4°47	6°59
F 31	6 36 46	9 ^h 17'32"	21 ^h 17'	21 ^h 30'	25 ^h 46'	28 ^h 19'	20 ^h 57'	20 ^h 44'	14 ^h 35'	22 ^h 06'	2 ^h 0	29 ^h 22'	28 ^h 46'	4 ^h 54'	7 ^h 5

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
W 1	21s48	20n56	1s29	18s 8	2n10	23s41	2s36	8n 4	0n15	21n37	0n16	16s41	1s20	22n47	0n 3	4n19	1n13	3s21	16s38	23n29	23n29	23s35	17s20	6n 6
T 2	21 58	23 22	0 7	17 44	2 22	23 27	2 35	8 9	0 17	21 38	0 16	16 39	1 20	22 47	0 3	4 18	1 13	3 21	16 38	23 29	23 29	23 36	17 20	6 6
F 3	22 6	24 5	1n16	17 24	2 31	23 12	2 33	8 15	0 19	21 38	0 16	16 38	1 20	22 46	0 3	4 18	1 13	3 21	16 38	23 29	23 29	23 37	17 20	6 6
S 4	22 15	23 5	2 32	17 8	2 39	22 57	2 31	8 20	0 21	21 39	0 16	16 37	1 20	22 46	0 3	4 18	1 13	3 21	16 38	23 29	23 29	23 38	17 20	6 5
S 5	22 23	20 33	3 37	16 57	2 44	22 42	2 29	8 26	0 23	21 40	0 17	16 35	1 20	22 46	0 3	4 18	1 13	3 21	16 37	23 29	23 29	23 39	17 20	6 5
M 6	22 30	16 50	4 27	16 51	2 47	22 26	2 27	8 32	0 26	21 41	0 17	16 34	1 20	22 46	0 3	4 18	1 13	3 21	16 37	23 29	23 29	23 39	17 20	6 5
T 7	22 38	12 19	5 0	16 48	2 48	22 9	2 25	8 39	0 28	21 42	0 17	16 33	1 20	22 45	0 3	4 17	1 13	3 21	16 37	23 29	23 29	23 40	17 20	6 5
W 8	22 44	7 20	5 15	16 50	2 48	21 52	2 23	8 45	0 30	21 43	0 17	16 31	1 20	22 45	0 3	4 17	1 13	3 21	16 37	23 29	23 29	23 41	17 19	6 5
T 9	22 50	2 10	5 15	16 55	2 46	21 34	2 20	8 52	0 31	21 44	0 17	16 30	1 20	22 45	0 3	4 17	1 13	3 21	16 36	23 29	23 29	23 42	17 19	6 5
F 10	22 56	2s59	4 58	17 2	2 43	21 16	2 17	8 59	0 33	21 45	0 17	16 28	1 20	22 45	0 3	4 17	1 13	3 21	16 36	23 29	23 29	23 43	17 19	6 5
S 11	23 2	7 55	4 28	17 13	2 40	20 58	2 14	9 6	0 35	21 46	0 18	16 27	1 20	22 44	0 3	4 17	1 13	3 21	16 36	23 29	23 29	23 43	17 19	6 5
S 12	23 6	12 28	3 46	17 26	2 35	20 39	2 11	9 13	0 37	21 48	0 18	16 25	1 20	22 44	0 3	4 17	1 13	3 21	16 35	23 29	23 29	23 44	17 19	6 5
M13	23 11	16 29	2 55	17 40	2 30	20 19	2 8	9 20	0 39	21 49	0 18	16 24	1 20	22 44	0 3	4 16	1 13	3 21	16 35	23 29	23 29	23 45	17 19	6 5
T 14	23 15	19 47	1 56	17 57	2 24	20 0	2 5	9 28	0 40	21 50	0 18	16 22	1 20	22 44	0 3	4 16	1 14	3 21	16 35	23 29	23 29	23 45	17 19	6 5
W15	23 18	22 14	0 52	18 14	2 17	19 39	2 1	9 35	0 42	21 51	0 18	16 20	1 19	22 43	0 3	4 16	1 14	3 21	16 35	23 29	23 29	23 46	17 18	6 4
T 16	23 21	23 42	0s13	18 33	2 10	19 19	1 58	9 43	0 43	21 52	0 18	16 19	1 19	22 43	0 3	4 16	1 14	3 21	16 34	23 29	23 29	23 47	17 18	6 4
F 17	23 24	24 6	1 18	18 52	2 3	18 58	1 54	9 51	0 45	21 53	0 19	16 17	1 19	22 43	0 3	4 16	1 14	3 21	16 34	23 29	23 29	23 48	17 18	6 4
S 18	23 26	23 25	2 19	19 11	1 55	18 37	1 50	9 59	0 46	21 55	0 19	16 15	1 19	22 42	0 3	4 16	1 14	3 21	16 34	23 29	23 29	23 48	17 18	6 4
S 19	23 27	21 41	3 15	19 31	1 47	18 15	1 45	10 7	0 48	21 56	0 19	16 14	1 19	22 42	0 3	4 16	1 14	3 21	16 33	23 29	23 29	23 49	17 18	6 4
M20	23 29	18 59	4 3	19 51	1 39	17 53	1 41	10 15	0 49	21 57	0 19	16 12	1 19	22 42	0 3	4 16	1 14	3 21	16 33	23 29	23 29	23 50	17 17	6 4
T 21	23 29	15 26	4 41	20 11	1 31	17 31	1 36	10 23	0 51	21 58	0 19	16 10	1 19	22 42	0 3	4 16	1 14	3 21	16 33	23 29	23 29	23 50	17 17	6 4
W22	23 29	11 10	5 6	20 31	1 23	17 8	1 31	10 32	0 52	22 0	0 19	16 8	1 19	22 41	0 3	4 16	1 14	3 20	16 33	23 29	23 29	23 51	17 17	6 4
T 23	23 29	6 20	5 18	20 50	1 15	16 45	1 26	10 41	0 53	22 1	0 20	16 7	1 19	22 41	0 3	4 16	1 14	3 20	16 32	23 29	23 29	23 52	17 16	6 4
F 24	23 28	1 6	5 13	21 9	1 7	16 22	1 21	10 49	0 55	22 2	0 20	16 5	1 19	22 41	0 3	4 16	1 14	3 20	16 32	23 29	23 29	23 52	17 16	6 4
S 25	23 27	4n22	4 52	21 27	0 59	15 59	1 16	10 58	0 56	22 4	0 20	16 3	1 19	22 41	0 3	4 16	1 14	3 20	16 32	23 29	23 29	23 53	17 16	6 4
S 26	23 25	9 47	4 13	21 45	0 51	15 35	1 10	11 7	0 57	22 5	0 20	16 1	1 19	22 40	0 3	4 16	1 14	3 20	16 31	23 29	23 29	23 54	17 16	6 4
M27	23 23	14 52	3 18	22 2	0 42	15 11	1 5	11 16	0 58	22 6	0 20	15 59	1 19	22 40	0 3	4 16	1 14	3 20	16 31	23 29	23 29	23 54	17 15	6 4
T 28	23 21	19 13	2 8	2																				