

SWISS EPHEMERIS for the year 1679

JANUARY 1679 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	6 42 49	10°34'03"	25°53'	19°23'	2°36'	20°R38	27°H 8	19°R 4	8°Y11	17°33'	11°R15	4°R15	3°M30	12°M 8	9°Y 7
M 2	6 46 46	11°50'12"	7°M9	21° 1	3°22'	20°R29	27°16	19°II 0	8°12	17° 5	11°S14	4°M 7	3°27	12°15	9° 8
T 3	6 50 43	12°51'21"	19°39	22°41	4°37'	20°20	27°24	18°56	8°13	17° 7	11°13	4° 2	3°24	12°22	9° 8
W 4	6 54 39	13°52'30"	1°A28	24°20	5°52'	20°10	27°33	18°51	8°14	17° 9	11°11	3°59	3°21	12°28	9° 9
T 5	6 58 36	14°53'39"	13°21	25°59	7° 8	19°59	27°41	18°47	8°15	17°11	11°10	3°D58	3°17	12°35	9°10
F 6	7 2 32	15°54'48"	25°24	27°38	8°23'	19°47	27°50	18°43	8°16	17°13	11° 9	3°58	3°14	12°42	9°11
S 7	7 6 29	16°55'57"	7°M42	29°17	9°39'	19°34	27°59	18°39	8°17	17°15	11° 8	3°R58	3°11	12°48	9°12
S 8	7 10 25	17°57'06"	20°20	0°35'	10°54'	19°21	28° 8	18°35	8°18	17°17	11° 6	3°57	3° 8	12°55	9°13
M 9	7 14 22	18°58'15"	3°A22	2°33	12°10'	19° 7	28°17	18°31	8°19	17°19	11° 5	3°54	3° 5	13° 2	9°14
T 10	7 18 18	19°59'24"	16°51	4°11	13°25'	18°52	28°26	18°27	8°20	17°21	11° 4	3°48	3° 1	13° 8	9°15
W 11	7 22 15	21° 0'32"	0°348	5°47	14°41'	18°37	28°35	18°23	8°21	17°23	11° 3	3°39	2°58	13°15	9°17
T 12	7 26 12	22° 1'40"	15° 8	7°23	15°56'	18°20	28°45	18°20	8°23	17°26	11° 1	3°28	2°55	13°22	9°18
F 13	7 30 8	23° 2'48"	29°48	8°57	17°11'	18° 3	28°54	18°16	8°24	17°28	11° 0	3°16	2°52	13°28	9°19
S 14	7 34 5	24° 3'54"	14°39	10°29	18°27'	17°45	29° 4	18°12	8°26	17°30	10°59	3° 4	2°49	13°35	9°21
S 15	7 38 1	25° 5'00"	29°31	11°59	19°42'	17°27	29°14	18° 9	8°27	17°32	10°58	2°54	2°46	13°42	9°22
M 16	7 41 58	26° 6'06"	14°17	13°26	20°58'	17° 8	29°24	18° 6	8°28	17°34	10°57	2°46	2°42	13°49	9°24
T 17	7 45 54	27° 7'10"	28°50	14°50	22°13'	16°48	29°34	18° 2	8°30	17°36	10°55	2°41	2°39	13°55	9°25
W 18	7 49 51	28° 8'13"	13°Y 6	16°10	23°28'	16°28	29°44	17°59	8°32	17°38	10°54	2°39	2°36	14° 2	9°27
T 19	7 53 47	29° 9'15"	27° 3	17°26	24°44'	16° 8	29°55	17°56	8°33	17°41	10°53	2°39	2°33	14° 9	9°28
F 20	7 57 44	0°30'16"	10°342	18°37	25°59'	15°46	0°Y 5	17°53	8°35	17°43	10°52	2°39	2°30	14°15	9°30
S 21	8 1 41	1°11'16"	24° 5	19°41	27°15'	15°25	0°16	17°50	8°37	17°45	10°51	2°38	2°26	14°22	9°32
S 22	8 5 37	2°12'15"	7°II 3	20°39	28°30'	15° 3	0°26	17°47	8°38	17°47	10°49	2°35	2°23	14°29	9°34
M 23	8 9 34	3°13'13"	20° 8	21°29	29°45'	14°40	0°37	17°45	8°40	17°49	10°48	2°28	2°20	14°35	9°36
T 24	8 13 30	4°14'10"	2°S53	22°11	1°31	14°17	0°48	17°42	8°42	17°52	10°47	2°19	2°17	14°42	9°37
W 25	8 17 27	5°15'05"	15°27	22°44	2°16	13°54	0°59	17°39	8°44	17°54	10°46	2° 7	2°14	14°49	9°39
T 26	8 21 23	6°15'59"	27°51	23° 7	3°31	13°31	1°10	17°37	8°46	17°56	10°45	1°53	2°11	14°55	9°41
F 27	8 25 20	7°16'53"	10°36	23°19	4°47	13° 7	1°22	17°35	8°48	17°58	10°44	1°39	2° 7	15° 2	9°43
S 28	8 29 16	8°17'45"	22°13	23°R20	6° 2	12°44	1°33	17°32	8°50	18° 1	10°43	1°24	2° 4	15° 9	9°46
S 29	8 33 13	9°18'36"	4°M11	23°10	7°17	12°20	1°44	17°30	8°52	18° 3	10°42	1°12	2° 1	15°15	9°48
M 30	8 37 10	10°19'26"	16° 4	22°49	8°32	11°56	1°56	17°28	8°54	18° 5	10°40	1° 2	1°58	15°22	9°50
T 31	8 41 6	11°20'15"	27°M52	22°17	9°48	11°32	2°Y 7	17°II26	8°Y56	18°33'	10°S39	0°M54	1°M55	15°M29	9°Y52

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	23s 2	8n29	4s42	24s11	2s 8	23s38	0s10	18n13	3n47	2s19	1s17	21n40	1s22	2n38	0s41	16s 2	0s18	21n31	1s30	12s57	12s42	3n18	5n14	1n45
M 2	22 57	4 45	4 13	23 56	2 8	23 38	0 12	18 18	3 49	2 16	1 17	21 39	1 22	2 38	0 41	16 2	0 18	21 31	1 30	12 55	12 41	3 16	5 14	1 45
T 3	22 51	0 51	3 33	23 40	2 7	23 39	0 15	18 23	3 52	2 12	1 17	21 39	1 22	2 39	0 41	16 1	0 18	21 31	1 30	12 53	12 40	3 14	5 14	1 45
W 4	22 45	3s 5	2 44	23 21	2 6	23 38	0 17	18 29	3 54	2 9	1 16	21 39	1 22	2 39	0 40	16 0	0 18	21 31	1 30	12 52	12 39	3 12	5 14	1 45
T 5	22 39	6 56	1 47	23 1	2 5	23 37	0 19	18 35	3 56	2 5	1 16	21 39	1 22	2 39	0 40	16 0	0 18	21 31	1 29	12 52	12 38	3 10	5 15	1 45
F 6	22 32	10 33	0 45	22 40	2 2	23 35	0 22	18 41	3 58	2 1	1 16	21 39	1 22	2 40	0 40	15 59	0 18	21 32	1 29	12 52	12 37	3 8	5 15	1 45
S 7	22 24	13 47	0n20	22 17	2 0	23 32	0 24	18 47	4 1	1 58	1 16	21 38	1 21	2 40	0 40	15 59	0 18	21 32	1 29	12 52	12 36	3 6	5 15	1 44
S 8	22 16	16 29	1 26	21 53	1 56	23 28	0 26	18 53	4 3	1 54	1 15	21 38	1 21	2 41	0 40	15 58	0 18	21 32	1 29	12 51	12 35	3 4	5 15	1 44
M 9	22 8	18 25	2 29	21 26	1 52	23 24	0 29	18 59	4 5	1 50	1 15	21 38	1 21	2 41	0 40	15 57	0 18	21 32	1 29	12 50	12 34	3 2	5 16	1 44
T 10	21 59	19 24	3 26	20 59	1 47	23 19	0 31	19 6	4 7	1 46	1 15	21 38	1 21	2 42	0 40	15 57	0 18	21 32	1 29	12 48	12 32	3 0	5 16	1 44
W 11	21 50	19 15	4 13	20 30	1 42	23 13	0 33	19 13	4 9	1 42	1 15	21 38	1 21	2 42	0 40	15 56	0 18	21 32	1 29	12 45	12 31	2 58	5 16	1 44
T 12	21 40	17 53	4 46	20 0	1 36	23 7	0 35	19 20	4 11	1 38	1 15	21 38	1 21	2 43	0 40	15 56	0 18	21 33	1 29	12 41	12 30	2 56	5 17	1 44
F 13	21 30	15 20	5 0	19 29	1 29	22 59	0 38	19 27	4 13	1 34	1 14	21 38	1 20	2 43	0 40	15 55	0 18	21 33	1 29	12 37	12 29	2 54	5 17	1 43
S 14	21 20	11 46	4 55	18 57	1 21	22 52	0 40	19 35	4 15	1 30	1 14	21 37	1 20	2 44	0 40	15 54	0 18	21 33	1 29	12 33	12 28	2 52	5 17	1 43
S 15	21 9	7 27	4 29	18 23	1 13	22 43	0 42	19 42	4 17	1 26	1 14	21 37	1 20	2 45	0 40	15 54	0 18	21 33	1 29	12 30	12 27	2 50	5 18	1 43
M 16	20 58	2 43	3 46	17 49	1 3	22 34	0 44	19 49	4 18	1 22	1 14	21 37	1 20	2 45	0 40	15 53	0 18	21 33	1 29	12 27	12 26	2 48	5 18	1 43
T 17	20 46	2n 7	2 48	17 15	0 53	22 24	0 46	19 57	4 20	1 18	1 14	21 37	1 20	2 46	0 40	15 52	0 18	21 33	1 29	12 26	12 25	2 46	5 19	1 43
W 18	20 34	6 44	1 41	16 41	0 41	22 13	0 48	20 5	4 22	1 14	1 13	21 37	1 19	2 46	0 40	15 52	0 18	21 34	1 29	12 25	12 24	2 44	5 19	1 43
T 19	20 22	10 54	0 30	16 6	0 29	22 2	0 50	20 12	4 23	1 9	1 13	21 37	1 19	2 47	0 40	15 51	0 18	21 34	1 28	12 25	12 23	2 42	5 20	1 42
F 20	20 9	14 23	0s42	15 32	0 16	21 50	0 52	20 20	4 24	1 5	1 13	21 37	1 19	2 48	0 40	15 50	0 18	21 34	1 28	12 25	12 22	2 40	5 20	1 42
S 21	19 56	17 2	1 51	14 58	0 2	21 37	0 54	20 28	4 26	1 0	1 13	21 37	1 19	2 49	0 40	15 50	0 18	21 34	1 28	12 24	12 20	2 38	5 21	1 42
S 22	19 42	18 44	2 52	14 26	0n13	21 24	0 55	20 36	4 27	0 56	1 13	21 37	1 19	2 49	0 40	15 49	0 18	21 34	1 28	12 23	12 19	2 36	5 21	1 42
M 23	19 28	19 25	3 43	13 55	0 28	21 10	0 57	20 43	4 28	0 52	1 12	21 37	1 18	2 50	0 40	15 48	0 18	21 34	1 28	12 21	12 18	2 34	5 22	1 42
T 24	19 14	19 5	4 22	13 26	0 44	20 56	0 59	20 51	4 29	0 47	1 12	21 37	1 18	2 51	0 40	15 48	0 18	21 35	1 28	12 18	12 17	2 31	5 23	1 42
W 25	18 59	17 50	4 47	13 0	1 1	20 40	1 1	20 59	4 30	0 42	1 12	21 37	1 18	2 52	0 40	15 47	0 18	21 35	1 28	12 14	12 16	2 29	5 23	1 41
T 26	18 44	15 44	4 59	12 36	1 18	20 25	1 2	21 7	4 31	0 38	1 12	21 37	1 18	2 52	0 40	15 46	0 18	21 35	1 28	12 9	12 15	2 27	5 24	1 41
F 27	18 29	12 59	4 56	12 16	1 36	20 8	1 4	21 14	4 31	0 33	1 12	21 37	1 18	2 53	0 40	15 46	0 18	21 35	1 28	12 4	12 14	2 25	5 24	1 41
S 28	18 13	9 42	4 41	11 59	1 53	19 51	1 6	21 21	4 32	0 29	1 11	21 37	1 17	2 54	0 40	15 45	0 18	21 35	1 28	11 59	12 13	2 23	5 25	1 41
S 29	17 57	6 4	4 12	11 46	2 10	19 34	1 7	21 29	4															

SWISS EPHEMERIS for the year 1679

FEBRUARY 1679 GC

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♂
W 1	8 45 3	12°21'03	9°41	21°R35	11°33	11°R 8	2°V19	17°R25	8°V58	18°10	10°R38	0°R50	1°M52	15°M36	9°V54
T 2	8 48 59	13°21'50	21°33	20°44	12°18	10°Q44	2°31	17°II23	9°1	18°12	10°S37	0°M48	1°48	15°42	9°57
F 3	8 52 56	14°22'37	3°M33	19°46	13°34	10°20	2°43	17°21	9°3	18°14	10°36	0°D48	1°45	15°49	9°59
S 4	8 56 52	15°23'22	15°47	18°42	14°49	9°56	2°55	17°20	9°5	18°16	10°35	0°R48	1°42	15°56	10°2
S 5	9 0 49	16°24'06	28°21	17°33	16°4	9°33	3°7	17°18	9°8	18°19	10°34	0°48	1°39	16°2	10°4
M 6	9 4 45	17°24'49	11°A19	16°23	17°19	9°9	3°19	17°17	9°10	18°21	10°33	0°45	1°36	16°9	10°6
T 7	9 8 42	18°25'31	24°44	15°12	18°34	8°46	3°31	17°16	9°12	18°23	10°32	0°41	1°32	16°16	10°9
W 8	9 12 39	19°26'12	8°S40	14°3	19°50	8°24	3°44	17°15	9°15	18°26	10°31	0°33	1°29	16°22	10°12
T 9	9 16 35	20°26'51	23°5	12°57	21°5	8°1	3°56	17°14	9°17	18°28	10°30	0°24	1°26	16°29	10°14
F 10	9 20 32	21°27'30	7°S55	11°56	22°20	7°40	4°8	17°13	9°20	18°30	10°29	0°13	1°23	16°36	10°17
S 11	9 24 28	22°28'07	23°1	11°1	23°35	7°18	4°21	17°12	9°23	18°32	10°29	0°2	1°20	16°42	10°20
S 12	9 28 25	23°28'42	8°K13	10°13	24°50	6°57	4°34	17°12	9°25	18°35	10°28	29°S53	1°17	16°49	10°22
M13	9 32 21	24°29'16	23°22	9°31	26°6	6°37	4°46	17°11	9°28	18°37	10°27	29°46	1°13	16°56	10°25
T 14	9 36 18	25°29'48	8°V16	8°58	27°21	6°17	4°59	17°11	9°30	18°39	10°26	29°42	1°10	17°2	10°28
W15	9 40 14	26°30'18	22°50	8°32	28°36	5°57	5°12	17°11	9°33	18°41	10°25	29°40	1°7	17°9	10°31
T 16	9 44 11	27°30'46	7°S1	8°13	29°51	5°39	5°25	17°11	9°36	18°44	10°24	29°D40	1°4	17°16	10°34
F 17	9 48 8	28°31'13	20°46	8°2	1°K6	5°21	5°38	17°D11	9°39	18°46	10°24	29°40	1°1	17°22	10°37
S 18	9 52 4	29°31'37	4°II9	7°D58	2°21	5°3	5°51	17°11	9°41	18°48	10°23	29°R41	0°58	17°29	10°39
S 19	9 56 1	0°K32'00	17°12	8°1	3°36	4°46	6°4	17°11	9°44	18°50	10°22	29°39	0°54	17°36	10°42
M20	9 59 57	1°32'20	29°57	8°10	4°51	4°30	6°17	17°11	9°47	18°53	10°21	29°35	0°51	17°43	10°45
T 21	10 3 54	2°32'39	12°S29	8°25	6°6	4°15	6°30	17°12	9°50	18°55	10°21	29°29	0°48	17°49	10°48
W22	10 7 50	3°32'56	24°48	8°46	7°21	4°0	6°44	17°12	9°53	18°57	10°20	29°21	0°45	17°56	10°52
T 23	10 11 47	4°33'10	6°S9	9°12	8°36	3°47	6°57	17°13	9°56	18°59	10°19	29°10	0°42	18°3	10°55
F 24	10 15 43	5°33'23	19°2	9°44	9°51	3°33	7°10	17°14	9°59	19°2	10°19	29°0	0°38	18°9	10°58
S 25	10 19 40	6°33'34	1°M0	10°19	11°6	3°21	7°24	17°15	10°2	19°4	10°18	28°49	0°35	18°16	11°1
S 26	10 23 37	7°33'43	12°53	10°59	12°21	3°10	7°37	17°16	10°5	19°6	10°17	28°40	0°32	18°23	11°4
M27	10 27 33	8°33'50	24°43	11°43	13°36	2°59	7°51	17°17	10°8	19°8	10°17	28°33	0°29	18°29	11°7
T 28	10 31 30	9°K33'56	6°S31	12°31	14°51	2°Q49	8°V4	17°II18	10°V11	19°10	10°S16	28°S28	0°M26	18°M36	11°V11

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
W 1	17s 7	5s31	1s50	11s32	2n57	18s38	1s11	21n50	4n33	0s10	1s11	21n37	1s16	2n58	0s39	15s42	0s18	21n36	1s27	11s47	12s 8	2n15	5n28	1n40		
T 2	16 50	9 10	0 49	11 36	3 10	18 18	1 13	21 57	4 33	0 5	1 11	21 37	1 16	2 58	0 39	15 41	0 18	21 36	1 27	11 46	12 7	2 13	5 29	1 40		
F 3	16 33	12 29	0n15	11 44	3 21	17 58	1 14	22 3	4 33	0n 0	1 10	21 37	1 16	2 59	0 39	15 41	0 18	21 36	1 27	11 46	12 6	2 11	5 30	1 40		
S 4	16 15	15 20	1 19	11 55	3 30	17 37	1 15	22 10	4 33	0 5	1 10	21 37	1 16	3 0	0 39	15 40	0 18	21 36	1 27	11 46	12 5	2 9	5 30	1 40		
S 5	15 57	17 32	2 21	12 9	3 37	17 16	1 16	22 16	4 32	0 10	1 10	21 37	1 16	3 1	0 39	15 39	0 18	21 37	1 27	11 46	12 4	2 7	5 31	1 40		
M 6	15 38	18 55	3 18	12 26	3 41	16 54	1 17	22 22	4 32	0 15	1 10	21 37	1 15	3 2	0 39	15 39	0 18	21 37	1 27	11 45	12 3	2 5	5 32	1 40		
T 7	15 20	19 17	4 6	12 45	3 43	16 31	1 18	22 27	4 32	0 20	1 10	21 37	1 15	3 3	0 39	15 38	0 18	21 37	1 27	11 44	12 2	2 3	5 33	1 39		
W 8	15 1	18 31	4 41	13 5	3 43	16 9	1 19	22 33	4 31	0 25	1 10	21 37	1 15	3 4	0 39	15 37	0 18	21 37	1 27	11 41	12 1	2 1	5 34	1 39		
T 9	14 42	16 34	5 0	13 26	3 40	15 46	1 20	22 38	4 30	0 30	1 10	21 38	1 15	3 5	0 39	15 37	0 18	21 37	1 27	11 38	12 0	1 59	5 35	1 39		
F 10	14 22	13 29	5 0	13 48	3 35	15 22	1 21	22 43	4 29	0 35	1 9	21 38	1 14	3 6	0 39	15 36	0 18	21 37	1 27	11 34	11 58	1 57	5 36	1 39		
S 11	14 3	9 28	4 39	14 9	3 29	14 58	1 22	22 48	4 28	0 40	1 9	21 38	1 14	3 7	0 39	15 35	0 18	21 37	1 27	11 30	11 57	1 55	5 37	1 39		
S 12	13 43	4 49	3 58	14 30	3 20	14 34	1 23	22 52	4 27	0 45	1 9	21 38	1 14	3 8	0 39	15 35	0 18	21 38	1 27	11 27	11 56	1 53	5 38	1 39		
M13	13 23	0n 7	3 1	14 50	3 11	14 9	1 23	22 57	4 26	0 51	1 9	21 38	1 14	3 9	0 39	15 34	0 18	21 38	1 26	11 24	11 55	1 51	5 39	1 39		
T 14	13 3	4 59	1 51	15 9	3 0	13 44	1 24	23 1	4 25	0 56	1 9	21 38	1 14	3 10	0 39	15 33	0 18	21 38	1 26	11 23	11 54	1 49	5 40	1 39		
W15	12 42	9 27	0 36	15 27	2 49	13 18	1 24	23 4	4 24	1 1	1 9	21 39	1 13	3 12	0 39	15 32	0 18	21 38	1 26	11 22	11 53	1 47	5 41	1 38		
T 16	12 21	13 16	0s39	15 43	2 37	12 52	1 25	23 8	4 22	1 6	1 9	21 39	1 13	3 13	0 39	15 32	0 19	21 38	1 26	11 22	11 52	1 45	5 42	1 38		
F 17	12 0	16 12	1 50	15 58	2 24	12 26	1 25	23 11	4 21	1 12	1 8	21 39	1 13	3 14	0 39	15 31	0 19	21 38	1 26	11 23	11 51	1 43	5 43	1 38		
S 18	11 39	18 10	2 53	16 11	2 11	11 59	1 26	23 14	4 20	1 17	1 8	21 39	1 13	3 15	0 39	15 30	0 19	21 39	1 26	11 23	11 50	1 41	5 44	1 38		
S 19	11 18	19 7	3 46	16 23	1 58	11 32	1 26	23 16	4 18	1 22	1 8	21 40	1 12	3 16	0 39	15 30	0 19	21 39	1 26	11 22	11 48	1 39	5 45	1 38		
M20	10 57	19 3	4 26	16 33	1 45	11 5	1 26	23 19	4 16	1 27	1 8	21 40	1 12	3 17	0 39	15 29	0 19	21 39	1 26	11 21	11 47	1 37	5 46	1 38		
T 21	10 35	18 3	4 52	16 42	1 32	10 37	1 26	23 21	4 15	1 33	1 8	21 40	1 12	3 18	0 39	15 28	0 19	21 39	1 26	11 19	11 46	1 35	5 47	1 38		
W22	10 13	16 13	5 4	16 49	1 19	10 10	1 26	23 23	4 13	1 38	1 8	21 40	1 12	3 19	0 39	15 28	0 19	21 39	1 26	11 16	11 45	1 33	5 48	1 37		
T 23	9 51	13 41	5 2	16 54	1 7	9 42	1 26	23 24	4 11	1 44	1 8	21 41	1 12	3 21	0 39	15 27	0 19	21 39	1 26	11 12	11 44	1 31	5 49	1 37		
F 24	9 29	10 35	4 47	16 58	0 54	9 13	1 26	23 26	4 9	1 49	1 8	21 41	1 11	3 22	0 39	15 26	0 19	21 39	1 26	11 8	11 43	1 29	5 50	1 37		
S 25	9 7	7 6	4 19	17 1	0 42	8 45	1 26	23 27	4 7	1 54	1 8	21 41	1 11	3 23	0 39	15 26	0 19	21 40	1 25	11 4	11 42	1 27	5 51	1 37		
S 26	8 45	3 21	3 40	17 1	0 30	8 16	1 26	23 28	4 5	2 0	1 7	21 41	1 11	3 24	0 39	15 25	0 19	21 40	1 25	11 1	11 41	1 25	5 52	1 37		
M27	8 22	0s31	2 51	17 0	0 19	7 47	1 26	23 28	4 3	2 5	1 7	21 42	1 11	3 25	0 39	15 24	0 19	21 40	1 25	10 59	11 40	1 23	5 54	1 37		
T 28	8s 0	4s22	1s55	16s58	0n 7	7s18	1s26	23n29	4n 1	2n11	1s 7	21n42	1s10	3n27	0s39	15s24	0s19	21n40	1s25	10s57	11s38	1n21	5n55	1n37		

Julian Day Number = 2334333.5, Delta T = 15.53 sec
 Ecliptic obliquity = 23°28'44", Nutation = 0°00'11"
 Ayanamsha: Fagan/Bradley = 20°15'39", Lahiri = 19°22'39"Greg. Calendar

SWISS EPHEMERIS for the year 1679

MARCH 1679 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	10 35 26	10 ^h 33'59"	18 ^h 22'	13 ^h 22'	16 ^h 6'	2°R40	8 ^h 18'	17 ^h 19'	10 ^h 14'	19 ^h 13'	10°R16	28°R25	0 ^h 23'	18 ^h 43'	11 ^h 14'
T 2	10 39 23	11°34'02"	0 ^h 16'	14°16'	17°20'	2 ^h 23'	8°32'	17°21'	10°17'	19°15'	10 ^h 15'	28°D25	0°19'	18°49'	11°17'
F 3	10 43 19	12°34'02"	12°19'	15°13'	18°35'	2°23'	8°46'	17°22'	10°20'	19°17'	10°15'	28°25'	0°16'	18°56'	11°20'
S 4	10 47 16	13°34'01"	24°34'	16°13'	19°50'	2°17'	8°59'	17°24'	10°23'	19°19'	10°14'	28°27'	0°13'	19° 3'	11°24'
S 5	10 51 12	14°33'58"	7 ^h 5'	17°15'	21° 5'	2°10'	9°13'	17°26'	10°26'	19°21'	10°14'	28°28'	0°10'	19° 9'	11°27'
M 6	10 55 9	15°33'53"	19°59'	18°20'	22°20'	2° 5'	9°27'	17°27'	10°29'	19°23'	10°13'	28°R28	0° 7'	19°16'	11°31'
T 7	10 59 5	16°33'47"	3 ^h 17'	19°28'	23°34'	2° 1'	9°41'	17°29'	10°33'	19°25'	10°13'	28°27'	0° 4'	19°23'	11°34'
W 8	11 3 2	17°33'39"	17° 4'	20°37'	24°49'	1°57'	9°55'	17°32'	10°36'	19°27'	10°12'	28°24'	0° 0'	19°29'	11°37'
T 9	11 6 59	18°33'30"	1 ^h 20'	21°49'	26° 4'	1°54'	10° 9'	17°34'	10°39'	19°29'	10°12'	28°19'	29 ^h 57'	19°36'	11°41'
F 10	11 10 55	19°33'19"	16° 2'	23° 2'	27°19'	1°52'	10°23'	17°36'	10°42'	19°31'	10°12'	28°13'	29°54'	19°43'	11°44'
S 11	11 14 52	20°33'06"	1 ^h 4'	24°17'	28°33'	1°50'	10°37'	17°38'	10°46'	19°33'	10°11'	28° 7'	29°51'	19°49'	11°48'
S 12	11 18 48	21°32'51"	16°19'	25°34'	29°48'	1°D50	10°51'	17°41'	10°49'	19°35'	10°11'	28° 2'	29°48'	19°56'	11°51'
M13	11 22 45	22°32'33"	1 ^h 35'	26°53'	1 ^h 3'	1°50'	11° 5'	17°44'	10°52'	19°37'	10°11'	27°58'	29°44'	20° 3'	11°55'
T 14	11 26 41	23°32'14"	16°41'	28°14'	2°17'	1°50'	11°19'	17°46'	10°56'	19°39'	10°10'	27°56'	29°41'	20° 9'	11°58'
W15	11 30 38	24°31'53"	1 ^h 31'	29°36'	3°32'	1°52'	11°33'	17°49'	10°59'	19°41'	10°10'	27°D56	29°38'	20°16'	12° 2'
T 16	11 34 34	25°31'30"	15°56'	1 ^h 0'	4°46'	1°54'	11°48'	17°52'	11° 2'	19°43'	10°10'	27°57'	29°35'	20°23'	12° 5'
F 17	11 38 31	26°31'04"	29°55'	2°25'	6° 1'	1°57'	12° 2'	17°55'	11° 6'	19°45'	10°10'	27°58'	29°32'	20°29'	12° 9'
S 18	11 42 28	27°30'36"	13 ^h 17'	3°52'	7°16'	2° 1'	12°16'	17°58'	11° 9'	19°47'	10°10'	28° 0'	29°29'	20°36'	12°13'
S 19	11 46 24	28°30'06"	26°35'	5°20'	8°30'	2° 5'	12°30'	18° 2'	11°12'	19°49'	10°10'	28°R 0'	29°25'	20°43'	12°16'
M20	11 50 21	29°29'33"	9 ^h 20'	6°49'	9°45'	2°10'	12°45'	18° 5'	11°16'	19°51'	10° 9'	28° 0'	29°22'	20°50'	12°20'
T 21	11 54 17	0 ^h 28'59"	21°48'	8°21'	10°59'	2°16'	12°59'	18° 8'	11°19'	19°53'	10° 9'	27°58'	29°19'	20°56'	12°23'
W22	11 58 14	1°28'21"	4 ^h 2'	9°53'	12°13'	2°22'	13°13'	18°12'	11°22'	19°55'	10° 9'	27°55'	29°16'	21° 3'	12°27'
T 23	12 2 10	2°27'42"	16° 5'	11°27'	13°28'	2°29'	13°28'	18°15'	11°26'	19°56'	10° 9'	27°51'	29°13'	21°10'	12°31'
F 24	12 6 7	3°27'00"	28° 0'	13° 2'	14°42'	2°36'	13°42'	18°19'	11°29'	19°58'	10°D 9'	27°47'	29° 9'	21°16'	12°34'
S 25	12 10 3	4°26'16"	9 ^h 52'	14°39'	15°57'	2°45'	13°56'	18°23'	11°33'	20° 0'	10° 9'	27°43'	29° 6'	21°23'	12°38'
S 26	12 14 0	5°25'30"	21°41'	16°17'	17°11'	2°53'	14°11'	18°27'	11°36'	20° 2'	10° 9'	27°39'	29° 3'	21°30'	12°42'
M27	12 17 57	6°24'41"	3 ^h 31'	17°56'	18°25'	3° 3'	14°25'	18°31'	11°39'	20° 3'	10° 9'	27°37'	29° 0'	21°36'	12°45'
T 28	12 21 53	7°23'51"	15°23'	19°37'	19°39'	3°13'	14°40'	18°35'	11°43'	20° 5'	10°10'	27°35'	28°57'	21°43'	12°49'
W29	12 25 50	8°22'58"	27°19'	21°19'	20°54'	3°23'	14°54'	18°39'	11°46'	20° 7'	10°10'	27°D35	28°54'	21°50'	12°53'
T 30	12 29 46	9°22'04"	9 ^h 22'	23° 3'	22° 8'	3°34'	15° 8'	18°43'	11°50'	20° 8'	10°10'	27°35'	28°50'	21°56'	12°56'
F 31	12 33 43	10 ^h 21'08"	21 ^h 33'	24 ^h 48'	23 ^h 22'	3 ^h 46'	15 ^h 23'	18 ^h 48'	11 ^h 53'	20 ^h 10'	10 ^h 10'	27 ^h 36'	28 ^h 47'	22 ^h 3'	13 ^h 0'

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
W 1	7s37	8s 3	0s54	16s54	0s 4	6s48	1s25	23n29	3n59	2n16	1s 7	21n43	1s10	3n28	0s39	15s23	0s19	21n40	1s25	10s56	11s37	1n19	5n56	1n37
T 2	7 14	11 26	0n10	16 48	0 14	6 19	1 25	23 29	3 57	2 22	1 7	21 43	1 10	3 29	0 39	15 22	0 19	21 40	1 25	10 56	11 36	1 17	5 57	1 37
F 3	6 51	14 22	1 15	16 41	0 24	5 49	1 24	23 29	3 55	2 27	1 7	21 43	1 10	3 30	0 39	15 22	0 19	21 40	1 25	10 56	11 35	1 15	5 58	1 36
S 4	6 28	16 44	2 17	16 33	0 34	5 19	1 24	23 28	3 53	2 33	1 7	21 44	1 10	3 32	0 39	15 21	0 19	21 40	1 25	10 56	11 34	1 13	5 59	1 36
S 5	6 5 18	20 3	3 14	16 23	0 43	4 49	1 23	23 27	3 51	2 38	1 7	21 44	1 9	3 33	0 39	15 20	0 19	21 41	1 25	10 57	11 33	1 11	6 1	1 36
M 6	5 42	19 3	4 3	16 11	0 52	4 19	1 23	23 27	3 49	2 44	1 7	21 44	1 9	3 34	0 39	15 20	0 19	21 41	1 25	10 57	11 32	1 9	6 2	1 36
T 7	5 19	18 45	4 41	15 58	1 1	3 48	1 22	23 25	3 47	2 49	1 7	21 45	1 9	3 35	0 39	15 19	0 19	21 41	1 25	10 56	11 31	1 7	6 3	1 36
W 8	4 55	17 21	5 5	15 44	1 9	3 18	1 21	23 24	3 45	2 55	1 6	21 45	1 9	3 37	0 39	15 18	0 19	21 41	1 24	10 55	11 30	1 5	6 4	1 36
T 9	4 32	14 51	5 10	15 28	1 17	2 48	1 20	23 23	3 42	3 0	1 6	21 46	1 8	3 38	0 39	15 18	0 19	21 41	1 24	10 54	11 28	1 3	6 6	1 36
F 10	4 9	11 21	4 56	15 11	1 24	2 17	1 19	23 21	3 40	3 6	1 6	21 46	1 8	3 39	0 39	15 17	0 19	21 41	1 24	10 52	11 27	1 1	6 7	1 36
S 11	3 45	7 2	4 21	14 52	1 31	1 46	1 18	23 19	3 38	3 12	1 6	21 46	1 8	3 41	0 39	15 17	0 19	21 41	1 24	10 49	11 26	0 59	6 8	1 36
S 12	3 21	2 13	3 27	14 33	1 37	1 16	1 17	23 17	3 36	3 17	1 6	21 47	1 8	3 42	0 39	15 16	0 19	21 41	1 24	10 48	11 25	0 57	6 9	1 35
M13	2 58	2n45	2 19	14 11	1 43	0 45	1 16	23 15	3 34	3 23	1 6	21 47	1 8	3 43	0 39	15 15	0 19	21 42	1 24	10 46	11 24	0 55	6 11	1 35
T 14	2 34	7 31	1 1	13 49	1 49	0 14	1 15	23 13	3 31	3 28	1 6	21 48	1 7	3 44	0 39	15 15	0 19	21 42	1 24	10 45	11 23	0 53	6 12	1 35
W15	2 11	11 43	0s20	13 25	1 54	0n17	1 14	23 10	3 29	3 34	1 6	21 48	1 7	3 46	0 38	15 14	0 19	21 42	1 24	10 45	11 22	0 51	6 13	1 35
T 16	1 47	15 5	1 37	12 59	1 59	0 47	1 13	23 8	3 27	3 40	1 6	21 49	1 7	3 47	0 38	15 14	0 19	21 42	1 24	10 46	11 21	0 49	6 15	1 35
F 17	1 23	17 27	2 46	12 33	2 3	1 18	1 11	23 5	3 25	3 45	1 6	21 49	1 7	3 48	0 38	15 13	0 19	21 42	1 24	10 46	11 19	0 47	6 16	1 35
S 18	1 0	18 45	3 44	12 5	2 7	1 49	1 10	23 2	3 23	3 51	1 6	21 50	1 7	3 50	0 38	15 12	0 19	21 42	1 23	10 47	11 18	0 45	6 17	1 35
S 19	0 36	18 58	4 28	11 36	2 10	2 20	1 8	22 59	3 20	3 56	1 6	21 50	1 6	3 51	0 38	15 12	0 19	21 42	1 23	10 47	11 17	0 43	6 19	1 35
M20	0 12	18 12	4 57	11 5	2 13	2 50	1 7	22 56	3 18	4 2	1 6	21 51	1 6	3 52	0 38	15 11	0 19	21 42	1 23	10 47	11 16	0 41	6 20	1 35
T 21	0n12	16 35	5 12	10 33	2 16	3 21	1 5	22 52	3 16	4 8	1 6	21 51	1 6	3 54	0 38	15 11	0 19	21 42	1 23	10 46	11 15	0 39	6 21	1 35
W22	0 35	14 13	5 12	10 0	2 18	3 52	1 4	22 49	3 14	4 13	1 6	21 52	1 6	3 55	0 38	15 10	0 19	21 42	1 23	10 45	11 14	0 37	6 23	1 34
T 23	0 59	11 18	4 58	9 26	2 20	4 22	1 2	22 45	3 12	4 19	1 5	21 52	1 6	3 56	0 38	15 10	0 19	21 43	1 23	10 44	11 13	0 35	6 24	1 34
F 24	1 22	7 56	4 32	8 50	2 21	4 52	1 0	22 41	3 10	4 25	1 5	21 53	1 5	3 58	0 38	15 9	0 19	21 43	1 23	10 42	11 12	0 33	6 25	1 34
S 25	1 46	4 17	3 53	8 14	2 21	5 23	0 59	22 37	3 8	4 30	1 5	21 53	1 5	3 59	0 38	15 8	0 19	21 43	1 23	10 41	11 10	0 31	6 27	1 34
S 26	2 10	0 28	3 5	7 36	2 22	5 53	0 57	22 33	3 5	4 36	1 5	21 54	1 5	4 0	0 38	15 8	0 19	21 43	1 23	10 39	11 9	0 30	6 28	1 34
M27	2 33	3s22	2 9	6 57	2 21	6 23	0 55	22 29	3 3	4 41	1 5	21 54	1 5	4 2	0 38	15 7	0 19	21 43	1 23	10 38	11 8	0 28	6 29	1 34
T 28	2 56	7 6	1 7	6 16	2 21	6 53	0 53	22 25	3 1	4 4														

SWISS EPHEMERIS for the year 1679

APRIL 1679 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	12 37 39	11°20'10	3♂57	26♂35	24♀36	3♁58	15♀37	18♁52	11♀57	20♁12	10♁10	27♁37	28♁44	22♁10	13♀ 4
S 2	12 41 36	12°19'10	16°35	28°23	25°50	4°10	15°52	18°57	12° 0	20°13	10°10	27°39	28°41	22°16	13° 8
M 3	12 45 32	13°18'08	29°30	0♀12	27° 5	4°24	16° 6	19° 1	12° 3	20°15	10°11	27°40	28°38	22°23	13°11
T 4	12 49 29	14°17'05	12♂46	2° 3	28°19	4°37	16°21	19° 6	12° 7	20°16	10°11	27°R40	28°35	22°30	13°15
W 5	12 53 25	15°16'00	26°25	3°56	29°33	4°51	16°35	19°11	12°10	20°18	10°11	27°40	28°31	22°36	13°19
T 6	12 57 22	16°14'53	10♁28	5°50	0♁47	5° 6	16°50	19°16	12°14	20°19	10°11	27°39	28°28	22°43	13°22
F 7	13 1 19	17°13'44	24°54	7°45	2° 1	5°21	17° 4	19°21	12°17	20°21	10°12	27°38	28°25	22°50	13°26
S 8	13 5 15	18°12'34	9♂39	9°42	3°15	5°37	17°19	19°26	12°21	20°22	10°12	27°37	28°22	22°56	13°30
S 9	13 9 12	19°11'22	24°38	11°40	4°29	5°53	17°33	19°31	12°24	20°24	10°12	27°36	28°19	23° 3	13°33
M10	13 13 8	20°10'07	9♀43	13°40	5°43	6° 9	17°47	19°36	12°27	20°25	10°13	27°35	28°15	23°10	13°37
T 11	13 17 5	21° 8'51	24°45	15°41	6°57	6°26	18° 2	19°41	12°31	20°26	10°13	27°D35	28°12	23°16	13°41
W12	13 21 1	22° 7'33	9♂36	17°43	8°10	6°43	18°16	19°46	12°34	20°28	10°14	27°35	28° 9	23°23	13°44
T 13	13 24 58	23° 6'13	24° 7	19°47	9°24	7° 1	18°31	19°52	12°38	20°29	10°14	27°35	28° 6	23°30	13°48
F 14	13 28 54	24° 4'51	8♁15	21°52	10°38	7°19	18°45	19°57	12°41	20°30	10°15	27°36	28° 3	23°36	13°52
S 15	13 32 51	25° 3'27	21°57	23°58	11°52	7°37	19° 0	20° 3	12°44	20°31	10°15	27°36	28° 0	23°43	13°55
S 16	13 36 48	26° 2'01	5♁12	26° 4	13° 6	7°56	19°14	20° 8	12°48	20°33	10°16	27°36	27°56	23°50	13°59
M17	13 40 44	27° 0'32	18° 3	28°12	14°19	8°16	19°28	20°14	12°51	20°34	10°16	27°36	27°53	23°56	14° 3
T 18	13 44 41	27°59'02	0♁33	0♁20	15°33	8°35	19°43	20°20	12°55	20°35	10°17	27°36	27°50	24° 3	14° 6
W19	13 48 37	28°57'29	12°47	2°28	16°47	8°55	19°57	20°26	12°58	20°36	10°17	27°36	27°47	24°10	14°10
T 20	13 52 34	29°55'53	24°48	4°36	18° 1	9°16	20°12	20°32	13° 1	20°37	10°18	27°37	27°44	24°16	14°13
F 21	13 56 30	0♁54'16	6♁41	6°44	19°14	9°37	20°26	20°37	13° 4	20°38	10°19	27°37	27°40	24°23	14°17
S 22	14 0 27	1°52'37	18°30	8°52	20°28	9°58	20°40	20°43	13° 8	20°39	10°19	27°37	27°37	24°30	14°21
S 23	14 4 23	2°50'55	0♁19	10°58	21°41	10°19	20°55	20°50	13°11	20°40	10°20	27°38	27°34	24°36	14°24
M24	14 8 20	3°49'12	12°11	13° 4	22°55	10°41	21° 9	20°56	13°14	20°41	10°21	27°38	27°31	24°43	14°28
T 25	14 12 17	4°47'27	24° 9	15° 8	24° 8	11° 3	21°23	21° 2	13°18	20°42	10°21	27°R39	27°28	24°50	14°31
W26	14 16 13	5°45'40	6♁15	17°11	25°22	11°25	21°37	21° 8	13°21	20°43	10°22	27°39	27°25	24°56	14°35
T 27	14 20 10	6°43'51	18°30	19°11	26°35	11°48	21°51	21°14	13°24	20°44	10°23	27°38	27°21	25° 3	14°38
F 28	14 24 6	7°42'01	0♁57	21° 9	27°49	12°11	22° 6	21°21	13°27	20°45	10°24	27°37	27°18	25°10	14°42
S 29	14 28 3	8°40'09	13°37	23° 5	29° 2	12°34	22°20	21°27	13°30	20°46	10°25	27°36	27°15	25°16	14°45
S 30	14 31 59	9♁38'15	26♂30	24♁58	0♁15	12♁57	22♀34	21♁34	13♀34	20♁46	10♁25	27♁34	27♁12	25♁23	14♀49

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	4n29	17s54	3n 8	3s23	2s13	8n51	0s45	22n 6	2n53	5n 9	1s 5	21n57	1s 4	4n 8	0s38
S 2	4 53	18 50	3 59	2 37	2 9	9 20	0 43	22 1	2 51	5 15	1 5	21 58	1 4	4 10	0 38
M 3	5 16	18 49	4 40	1 50	2 6	9 49	0 41	21 56	2 49	5 21	1 5	21 58	1 3	4 11	0 38
T 4	5 38	17 47	5 6	1 2	2 1	10 17	0 39	21 51	2 47	5 26	1 5	21 59	1 3	4 13	0 38
W 5	6 1	15 43	5 17	0 13	1 57	10 46	0 37	21 45	2 45	5 32	1 5	21 59	1 3	4 14	0 38
T 6	6 24	12 41	5 9	0n37	1 51	11 14	0 34	21 40	2 43	5 37	1 5	22 0	1 3	4 15	0 38
F 7	6 47	8 49	4 42	1 28	1 46	11 41	0 32	21 34	2 42	5 43	1 5	22 1	1 3	4 17	0 38
S 8	7 9	4 19	3 56	2 19	1 39	12 9	0 30	21 29	2 40	5 49	1 5	22 1	1 2	4 18	0 38
S 9	7 31	0n31	2 53	3 12	1 33	12 36	0 27	21 23	2 38	5 54	1 5	22 2	1 2	4 19	0 38
M10	7 54	5 21	1 38	4 5	1 25	13 3	0 25	21 17	2 36	6 0	1 5	22 2	1 2	4 21	0 38
T 11	8 16	9 51	0 16	4 59	1 18	13 30	0 23	21 11	2 34	6 5	1 5	22 3	1 2	4 22	0 38
W12	8 38	13 40	1s 6	5 54	1 9	13 56	0 20	21 5	2 32	6 11	1 5	22 3	1 2	4 23	0 38
T 13	9 0	16 32	2 22	6 49	1 1	14 22	0 18	20 58	2 30	6 16	1 5	22 4	1 2	4 25	0 38
F 14	9 21	18 18	3 27	7 44	0 52	14 48	0 15	20 52	2 29	6 22	1 5	22 5	1 1	4 26	0 38
S 15	9 43	18 56	4 18	8 39	0 42	15 13	0 13	20 46	2 27	6 27	1 5	22 5	1 1	4 27	0 38
S 16	10 4	18 29	4 54	9 35	0 32	15 38	0 10	20 39	2 25	6 33	1 5	22 6	1 1	4 28	0 38
M17	10 25	17 5	5 13	10 30	0 22	16 2	0 8	20 32	2 23	6 38	1 5	22 6	1 1	4 30	0 38
T 18	10 46	14 54	5 17	11 25	0 12	16 26	0 5	20 25	2 22	6 43	1 5	22 7	1 1	4 31	0 38
W19	11 7	12 6	5 7	12 20	0 1	16 50	0 3	20 18	2 20	6 49	1 5	22 8	1 1	4 32	0 38
T 20	11 28	8 50	4 43	13 13	0n 9	17 13	0 0	20 11	2 18	6 54	1 5	22 8	1 0	4 34	0 38
F 21	11 48	5 15	4 7	14 6	0 20	17 36	0n 2	20 4	2 17	7 0	1 5	22 9	1 0	4 35	0 38
S 22	12 9	1 28	3 21	14 58	0 31	17 58	0 5	19 57	2 15	7 5	1 5	22 9	1 0	4 36	0 38
S 23	12 29	2s22	2 26	15 48	0 42	18 20	0 8	19 49	2 13	7 10	1 5	22 10	1 0	4 38	0 38
M24	12 49	6 8	1 25	16 37	0 52	18 42	0 10	19 42	2 12	7 16	1 5	22 10	1 0	4 39	0 38
T 25	13 8	9 41	0 19	17 24	1 2	19 3	0 13	19 34	2 10	7 21	1 5	22 11	1 0	4 40	0 38
W26	13 28	12 53	0n48	18 9	1 12	19 23	0 15	19 27	2 9	7 26	1 5	22 12	0 59	4 41	0 38
T 27	13 47	15 33	1 53	18 52	1 22	19 43	0 18	19 19	2 7	7 32	1 5	22 12	0 59	4 43	0 38
F 28	14 6	17 32	2 54	19 33	1 31	20 2	0 21	19 11	2 5	7 37	1 5	22 13	0 59	4 44	0 38
S 29	14 25	18 42	3 48	20 11	1 40	20 21	0 23	19 3	2 4	7 42	1 5	22 13	0 59	4 45	0 38
S 30	14n43	18s55	4n31	20n47	1n48	20n39	0n26	18n54	2n 2	7n47	1s 5	22n14	0s59	4n46	0s38

Julian Day Number = 2334392.5, Delta T = 15.37 sec
 Ecliptic obliquity = 23°28'44", Nutation = 0°00'08"
 Ayanamsha: Fagan/Bradley = 20°15'47", Lahiri = 19°22'47"Greg. Calendar

SWISS EPHEMERIS for the year 1679

MAY 1679 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	14 35 56	10836'20	9338	26847	11129	13021	22948	21140	13937	20447	10226	27R33	2729	25930	14952
T 2	14 39 52	11342'24	23° 1	28334	242	1345	23° 2	2147	1340	2048	1027	27231	27° 6	2536	1455
W 3	14 43 49	12322'26	6441	0118	355	1410	2316	2153	1343	2049	1028	27D31	27° 2	2543	1459
T 4	14 47 46	13302'27	2036	158	5° 8	1434	2330	22° 0	1346	2049	1029	2731	2659	2550	15° 2
F 5	14 51 42	14282'26	4448	334	621	1459	2344	22° 7	1349	2050	1030	2731	2656	2556	15° 5
S 6	14 55 39	15262'24	1914	5° 8	735	1524	2358	2214	1352	2050	1031	2733	2653	26° 3	15° 9
S 7	14 59 35	16242'21	3950	637	848	1549	2412	2221	1355	2051	1032	2734	2650	2610	1512
M 8	15 3 32	17222'17	1832	8° 3	10° 1	1615	2426	2227	1358	2052	1033	2735	2646	2616	1515
T 9	15 7 28	18202'11	3814	924	1114	1641	2440	2234	14° 1	2052	1034	27R35	2643	2623	1519
W10	15 11 25	19180'4	1750	1042	1227	17° 7	2453	2241	14° 4	2052	1035	2734	2640	2630	1522
T 11	15 15 21	20155'55	2113	1157	1340	1733	25° 7	2248	14° 7	2053	1036	2732	2637	2636	1525
F 12	15 19 18	21134'5	1617	13° 7	1453	18° 0	2521	2255	1410	2053	1037	2729	2634	2643	1528
S 13	15 23 15	22111'33	2959	1413	16° 6	1827	2535	23° 2	1413	2054	1038	2725	2631	2650	1531
S 14	15 27 11	23° 9'20	13218	1515	1719	1854	2548	2310	1416	2054	1039	2722	2627	2656	1534
M15	15 31 8	24° 7'05	2613	1613	1832	1921	26° 2	2317	1419	2054	1040	2718	2624	27° 3	1537
T 16	15 35 4	25° 4'49	8247	17° 6	1944	1948	2615	2324	1422	2055	1041	2716	2621	2710	1540
W17	15 39 1	26° 2'30	21° 2	1756	2057	2016	2629	2331	1424	2055	1043	27D15	2618	2716	1543
T 18	15 42 57	27° 0'11	314	1841	2210	2044	2642	2339	1427	2055	1044	2715	2615	2723	1546
F 19	15 46 54	2757'49	1457	1922	2323	2112	2655	2346	1430	2055	1045	2716	2612	2730	1549
S 20	15 50 50	2855'26	2646	1958	2435	2140	27° 9	2353	1432	2055	1046	2718	26° 8	2736	1552
S 21	15 54 47	2953'02	8237	2029	2548	22° 8	2722	24° 1	1435	2055	1047	2719	26° 5	2743	1555
M22	15 58 43	01150'36	2032	2056	27° 1	2237	2735	24° 8	1438	2055	1049	2721	26° 2	2750	1558
T 23	16 2 40	148'09	2136	2119	2813	23° 6	2748	2415	1440	2055	1050	27R21	2559	2756	16° 1
W24	16 6 37	245'41	1452	2136	2926	2335	28° 1	2423	1443	2055	1051	2719	2556	28° 3	16° 4
T 25	16 10 33	343'12	2723	2149	038	24° 4	2815	2430	1445	2055	1052	2716	2552	2810	16° 6
F 26	16 14 30	440'41	1078	2157	151	2433	2828	2438	1448	2055	1054	2711	2549	2816	16° 9
S 27	16 18 26	538'09	23° 9	22R1	3° 3	25° 2	2840	2445	1450	2055	1055	27° 6	2546	2823	1612
S 28	16 22 23	635'37	6325	22° 0	415	2532	2853	2453	1453	2055	1056	2659	2543	2830	1614
M29	16 26 19	733'03	1954	2154	528	26° 2	29° 6	25° 1	1455	2055	1057	2653	2540	2836	1617
T 30	16 30 16	830'29	3334	2145	640	2632	2919	25° 8	1458	2055	1059	2648	2537	2843	1620
W31	16 34 13	91127'54	17225	21131	7252	2702	29931	25116	1590	2055	1120	2644	2533	2850	16922

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	15n 2	18s 7	5n 1	21n21	1n55	20n57	0n28	18n46	2n 1	7n53	1s 5	22n14	0s59	4n47	0s38	14s54	0s20	21n45	1s19	10s37	10s28	0s41	7n17	1n32
T 2	15 20	16 19	5 16	21 52	2 2	21 14	0 31	18 38	1 59	7 58	1 5	22 15	0 59	4 49	0 38	14 54	0 20	21 45	1 19	10 37	10 27	0 43	7 18	1 32
W 3	15 38	13 35	5 13	22 20	2 8	21 31	0 34	18 29	1 58	8 3	1 5	22 16	0 58	4 50	0 38	14 54	0 20	21 45	1 19	10 36	10 26	0 45	7 19	1 32
T 4	15 55	10 2	4 51	22 46	2 14	21 47	0 36	18 21	1 56	8 8	1 5	22 16	0 58	4 51	0 38	14 54	0 20	21 45	1 19	10 36	10 25	0 47	7 21	1 32
F 5	16 12	5 51	4 12	23 10	2 18	22 2	0 39	18 12	1 55	8 13	1 5	22 17	0 58	4 52	0 38	14 53	0 20	21 45	1 19	10 37	10 24	0 49	7 22	1 32
S 6	16 29	1 15	3 17	23 31	2 22	22 17	0 41	18 3	1 54	8 18	1 5	22 17	0 58	4 53	0 38	14 53	0 20	21 45	1 19	10 37	10 23	0 51	7 23	1 32
S 7	16 46	3n29	2 8	23 49	2 25	22 31	0 44	17 54	1 52	8 23	1 5	22 18	0 58	4 55	0 38	14 53	0 20	21 45	1 19	10 37	10 21	0 53	7 24	1 32
M 8	17 3	8 3	0 50	24 6	2 26	22 45	0 46	17 45	1 51	8 28	1 5	22 18	0 58	4 56	0 38	14 53	0 20	21 45	1 19	10 38	10 20	0 55	7 26	1 32
T 9	17 19	12 7	0s31	24 20	2 28	22 58	0 49	17 36	1 49	8 33	1 5	22 19	0 58	4 57	0 38	14 53	0 20	21 45	1 19	10 38	10 19	0 57	7 27	1 32
W10	17 35	15 25	1 49	24 31	2 28	23 10	0 51	17 27	1 48	8 38	1 5	22 19	0 57	4 58	0 39	14 53	0 20	21 45	1 19	10 37	10 18	0 59	7 28	1 32
T 11	17 50	17 42	3 0	24 41	2 27	23 22	0 54	17 17	1 46	8 43	1 5	22 20	0 57	4 59	0 39	14 52	0 20	21 45	1 19	10 37	10 17	1 1	7 29	1 32
F 12	18 6	18 50	3 57	24 49	2 25	23 33	0 56	17 8	1 45	8 48	1 5	22 20	0 57	5 0	0 39	14 52	0 20	21 45	1 19	10 36	10 16	1 3	7 31	1 32
S 13	18 21	18 50	4 39	24 54	2 23	23 43	0 58	16 58	1 44	8 53	1 5	22 21	0 57	5 1	0 39	14 52	0 20	21 45	1 18	10 34	10 15	1 5	7 32	1 32
S 14	18 36	17 45	5 5	24 58	2 19	23 53	1 1	16 48	1 42	8 58	1 6	22 21	0 57	5 2	0 39	14 52	0 20	21 45	1 18	10 33	10 13	1 7	7 33	1 32
M15	18 50	15 48	5 14	25 0	2 15	24 2	1 3	16 39	1 41	9 3	1 6	22 22	0 57	5 4	0 39	14 52	0 20	21 45	1 18	10 32	10 12	1 9	7 34	1 32
T 16	19 4	13 8	5 8	25 0	2 9	24 10	1 5	16 29	1 40	9 8	1 6	22 22	0 57	5 5	0 39	14 52	0 20	21 45	1 18	10 31	10 11	1 11	7 35	1 32
W17	19 18	9 58	4 48	24 58	2 3	24 17	1 7	16 19	1 38	9 13	1 6	22 23	0 56	5 6	0 39	14 52	0 20	21 45	1 18	10 31	10 10	1 13	7 36	1 32
T 18	19 31	6 26	4 15	24 55	1 56	24 24	1 10	16 9	1 37	9 17	1 6	22 23	0 56	5 7	0 39	14 52	0 20	21 45	1 18	10 31	10 9	1 14	7 38	1 32
F 19	19 44	2 41	3 32	24 50	1 47	24 30	1 12	15 58	1 36	9 22	1 6	22 24	0 56	5 8	0 39	14 52	0 20	21 45	1 18	10 31	10 8	1 16	7 39	1 32
S 20	19 57	1s10	2 40	24 44	1 38	24 36	1 14	15 48	1 35	9 27	1 6	22 24	0 56	5 9	0 39	14 52	0 20	21 45	1 18	10 32	10 7	1 18	7 40	1 32
S 21	20 10	4 58	1 41	24 36	1 28	24 41	1 16	15 38	1 33	9 32	1 6	22 25	0 56	5 10	0 39	14 52	0 20	21 45	1 18	10 32	10 5	1 20	7 41	1 32
M22	20 22	8 36	0 37	24 27	1 17	24 45	1 18	15 27	1 32	9 36	1 6	22 25	0 56	5 11	0 39	14 52	0 20	21 45	1 18	10 33	10 4	1 22	7 42	1 32
T 23	20 33	11 57	0n29	24 17	1 5	24 48	1 20	15 16	1 31	9 41	1 6	22 26	0 56	5 12	0 39	14 52	0 20	21 45	1 18	10 33	10 3	1 24	7 43	1 32
W24	20 45	14 49	1 34	24 5	0 53	24 51	1 22	15 6	1 30	9 46	1 6	22 26	0 56	5 13	0 39	14 52	0 20	21 45	1 18	10 32	10 2	1 26	7 44	1 32
T 25	20 56	17 4	2 36	23 53	0 39	24 52	1 24	14 55	1 28	9 50	1 6	22 26	0 56	5 14	0 39	14 52	0 20	21 45	1 17	10 31	10 1	1 28	7 45	1 31
F 26	21 6	18 31	3 32	23 39	0 25	24 54	1 26	14 44	1 27	9 55	1 6	22 27	0 55	5 15	0 39	14 52	0 20	21 45	1 17	10 29	10 0	1 30	7 46	1 31
S 27	21 17	19 1	4 18	23 24	0 10	24 54	1 27	14 33	1 26	9 59	1 6	22 27	0 55	5 16	0 39	14 52	0 20	21 45	1 17	10 27	9 58	1 32	7 47	1 31
S 28	21 27	18 29	4 50	23 8	0s 6	24 54	1 29	14 22	1 25	10 4	1 6	22 28	0 55	5 17	0 39	14 52	0 20	21 45	1 17	10 25	9 57	1 34	7 48	1 31
M29	21 36	16 56	5 8	22 52	0 22	24 53	1 31	14 10	1 24	10 8	1 7	22 28	0 55	5 17	0 39	14 52	0 20	21 45	1 17	10 23	9 56	1 36	7 49	1 31
T 30	21 46	14 24	5 8	22 35	0 39	24 51	1 33	13 59	1 22	10														

SWISS EPHEMERIS for the year 1679

JUNE 1679 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	
T 1	16 38 9	10II25'19	1K24	21°R13	9♁ 5	27Ω32	29Υ44	25II23	15Υ 2	20°R54	11♁ 1	26°R42	25♁30	28♁56	16Υ25
F 2	16 42 6	11°22'42	15°31	20II52	10°17	28° 2	29°57	25°31	15° 4	20°R54	11° 3	26°D42	25°27	29° 3	16°27
S 3	16 46 2	12°20'06	29°43	20°27	11°29	28°33	0♁ 9	25°39	15° 7	20°54	11° 4	26°D43	25°24	29°10	16°30
S 4	16 49 59	13°17'28	13Υ59	20° 0	12°41	29° 4	0°21	25°47	15° 9	20°53	11° 6	26°44	25°21	29°16	16°32
M 5	16 53 55	14°14'50	28°17	19°30	13°53	29°35	0°34	25°54	15°11	20°53	11° 7	26°R44	25°18	29°23	16°34
T 6	16 57 52	15°12'12	12♁33	18°59	15° 5	0♁ 6	0°46	26° 2	15°13	20°53	11° 8	26°43	25°14	29°30	16°37
W 7	17 1 48	16° 9'33	26°45	18°26	16°17	0°37	0°58	26°10	15°15	20°52	11°10	26°40	25°11	29°36	16°39
T 8	17 5 45	17° 6'54	10II47	17°53	17°29	1° 8	1°10	26°18	15°17	20°52	11°11	26°35	25° 8	29°43	16°41
F 9	17 9 42	18° 4'14	24°36	17°19	18°41	1°40	1°22	26°25	15°19	20°51	11°13	26°27	25° 5	29°49	16°43
S 10	17 13 38	19° 1'33	8♁ 8	16°45	19°53	2°11	1°34	26°33	15°21	20°51	11°14	26°19	25° 2	29°56	16°45
S 11	17 17 35	19°58'51	21°21	16°13	21° 4	2°43	1°46	26°41	15°23	20°50	11°16	26°10	24°58	0♁ 3	16°47
M12	17 21 31	20°56'09	4Ω12	15°42	22°16	3°15	1°58	26°49	15°25	20°50	11°17	26° 1	24°55	0° 9	16°49
T 13	17 25 28	21°53'26	16°45	15°13	23°28	3°47	2° 9	26°57	15°27	20°49	11°18	25°54	24°52	0°16	16°51
W14	17 29 24	22°50'42	29° 0	14°47	24°40	4°19	2°21	27° 4	15°28	20°48	11°20	25°49	24°49	0°23	16°53
T 15	17 33 21	23°47'57	11♁ 2	14°24	25°51	4°51	2°33	27°12	15°30	20°48	11°21	25°47	24°46	0°29	16°55
F 16	17 37 17	24°45'12	22°55	14° 4	27° 3	5°24	2°44	27°20	15°32	20°47	11°23	25°D46	24°43	0°36	16°57
S 17	17 41 14	25°42'26	4♁45	13°47	28°14	5°56	2°55	27°28	15°33	20°46	11°24	25°46	24°39	0°43	16°59
S 18	17 45 11	26°39'39	16°36	13°35	29°26	6°29	3° 7	27°36	15°35	20°45	11°26	25°47	24°36	0°49	17° 1
M19	17 49 7	27°36'52	28°33	13°27	0♁37	7° 2	3°18	27°44	15°37	20°45	11°27	25°R47	24°33	0°56	17° 2
T 20	17 53 4	28°34'04	10III42	13°D23	1°48	7°35	3°29	27°51	15°38	20°44	11°29	25°46	24°30	1° 3	17° 4
W21	17 57 0	29°31'16	23° 7	13°24	3° 0	8° 8	3°40	27°59	15°40	20°43	11°30	25°43	24°27	1° 9	17° 6
T 22	18 0 57	0♁28'27	5♁50	13°30	4°11	8°41	3°50	28° 7	15°41	20°42	11°32	25°37	24°23	1°16	17° 7
F 23	18 4 53	1°25'38	18°53	13°41	5°22	9°14	4° 1	28°15	15°42	20°41	11°34	25°29	24°20	1°23	17° 9
S 24	18 8 50	2°22'49	2♁15	13°56	6°33	9°47	4°12	28°23	15°44	20°40	11°35	25°19	24°17	1°29	17°10
S 25	18 12 46	3°19'59	15°56	14°16	7°44	10°21	4°22	28°30	15°45	20°39	11°37	25° 9	24°14	1°36	17°12
M26	18 16 43	4°17'10	29°50	14°41	8°55	10°54	4°33	28°38	15°46	20°38	11°38	24°58	24°11	1°43	17°13
T 27	18 20 40	5°14'20	13♁56	15°11	10° 6	11°28	4°43	28°46	15°48	20°37	11°40	24°49	24° 8	1°49	17°14
W28	18 24 36	6°11'31	28° 7	15°46	11°17	12° 2	4°53	28°54	15°49	20°36	11°41	24°42	24° 4	1°56	17°16
T 29	18 28 33	7° 8'41	12K20	16°25	12°28	12°36	5° 4	29° 2	15°50	20°35	11°43	24°38	24° 1	2° 3	17°17
F 30	18 32 29	8♁ 5'52	26K32	17II 9	13Ω38	13II10	5♁14	29II 9	15Υ51	20°R34	11♁44	24♁36	23♁58	2♁ 9	17Υ18

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁											
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat							
T 1	22n 3	7s 1	4n15	21n59	1s13	24n45	1n36	13n36	1n20	10n21	1s 7	22n29	0s55	5n20	0s39	14s52	0s21	21n45	1s17	10s19	9s53	1s42	7n52	1n31
F 2	22 11	2 35	3 24	21 40	1 30	24 41	1 37	13 24	1 19	10 26	1 7	22 30	0 55	5 21	0 39	14 53	0 21	21 45	1 17	10 19	9 51	1 43	7 53	1 31
S 3	22 19	2n 2	2 21	21 21	1 47	24 37	1 38	13 13	1 18	10 30	1 7	22 30	0 55	5 22	0 39	14 53	0 21	21 44	1 17	10 19	9 50	1 45	7 54	1 31
S 4	22 26	6 34	1 9	21 2	2 4	24 32	1 40	13 1	1 17	10 34	1 7	22 30	0 54	5 23	0 39	14 53	0 21	21 44	1 17	10 19	9 49	1 47	7 55	1 31
M 5	22 33	10 45	0s 8	20 43	2 21	24 26	1 41	12 49	1 15	10 38	1 7	22 31	0 54	5 23	0 39	14 53	0 21	21 44	1 17	10 19	9 48	1 49	7 56	1 31
T 6	22 39	14 17	1 24	20 25	2 37	24 19	1 42	12 37	1 14	10 43	1 7	22 31	0 54	5 24	0 39	14 53	0 21	21 44	1 17	10 19	9 47	1 51	7 57	1 31
W 7	22 45	16 57	2 35	20 7	2 53	24 11	1 43	12 25	1 13	10 47	1 7	22 31	0 54	5 25	0 39	14 53	0 21	21 44	1 16	10 18	9 46	1 53	7 58	1 31
T 8	22 51	18 34	3 35	19 49	3 7	24 3	1 44	12 13	1 12	10 51	1 7	22 32	0 54	5 26	0 39	14 53	0 21	21 44	1 16	10 16	9 45	1 55	7 58	1 31
F 9	22 57	19 2	4 21	19 32	3 21	23 55	1 45	12 0	1 11	10 55	1 8	22 32	0 54	5 26	0 39	14 54	0 21	21 44	1 16	10 13	9 43	1 57	7 59	1 31
S 10	23 1	18 23	4 51	19 16	3 34	23 45	1 46	11 48	1 10	10 59	1 8	22 32	0 54	5 27	0 39	14 54	0 21	21 44	1 16	10 10	9 42	1 59	8 0	1 31
S 11	23 6	16 45	5 5	19 2	3 45	23 35	1 47	11 36	1 9	11 3	1 8	22 32	0 54	5 28	0 39	14 54	0 21	21 44	1 16	10 7	9 41	2 1	8 1	1 31
M12	23 10	14 20	5 3	18 48	3 55	23 24	1 48	11 23	1 8	11 7	1 8	22 33	0 54	5 29	0 39	14 54	0 21	21 44	1 16	10 4	9 40	2 3	8 2	1 31
T 13	23 14	11 17	4 46	18 37	4 4	23 13	1 48	11 10	1 7	11 11	1 8	22 33	0 54	5 29	0 39	14 54	0 21	21 44	1 16	10 1	9 39	2 5	8 2	1 31
W14	23 17	7 49	4 17	18 26	4 12	23 1	1 49	10 58	1 6	11 15	1 8	22 33	0 53	5 30	0 39	14 55	0 21	21 44	1 16	10 0	9 38	2 6	8 3	1 31
T 15	23 20	4 6	3 36	18 18	4 18	22 48	1 49	10 45	1 5	11 18	1 8	22 34	0 53	5 31	0 39	14 55	0 21	21 44	1 16	9 59	9 36	2 8	8 4	1 31
F 16	23 22	0 16	2 47	18 11	4 23	22 35	1 50	10 32	1 4	11 22	1 8	22 34	0 53	5 31	0 39	14 55	0 21	21 44	1 16	9 58	9 35	2 10	8 5	1 31
S 17	23 25	3s35	1 50	18 5	4 26	22 21	1 50	10 19	1 3	11 26	1 8	22 34	0 53	5 32	0 39	14 55	0 21	21 44	1 16	9 58	9 34	2 12	8 5	1 31
S 18	23 26	7 17	0 49	18 2	4 28	22 6	1 51	10 6	1 2	11 30	1 9	22 34	0 53	5 32	0 39	14 56	0 21	21 44	1 16	9 59	9 33	2 14	8 6	1 31
M19	23 27	10 45	0n15	18 0	4 29	21 51	1 51	9 53	1 1	11 33	1 9	22 34	0 53	5 33	0 39	14 56	0 21	21 44	1 16	9 59	9 32	2 16	8 7	1 31
T 20	23 28	13 49	1 19	18 1	4 28	21 35	1 51	9 40	0 59	11 37	1 9	22 35	0 53	5 34	0 39	14 56	0 21	21 44	1 16	9 58	9 31	2 18	8 7	1 31
W21	23 29	16 19	2 21	18 3	4 26	21 19	1 51	9 26	0 58	11 41	1 9	22 35	0 53	5 34	0 39	14 57	0 21	21 44	1 16	9 57	9 29	2 20	8 8	1 31
T 22	23 29	18 5	3 17	18 7	4 23	21 2	1 51	9 13	0 57	11 44	1 9	22 35	0 53	5 35	0 39	14 57	0 21	21 43	1 15	9 55	9 28	2 22	8 9	1 31
F 23	23 28	18 58	4 4	18 12	4 18	20 45	1 51	9 0	0 56	11 48	1 9	22 35	0 53	5 35	0 39	14 57	0 21	21 43	1 15	9 52	9 27	2 24	8 9	1 31
S 24	23 27	18 49	4 39	18 19	4 13	20 27	1 50	8 46	0 55	11 51	1 9	22 35	0 53	5 36	0 39	14 57	0 21	21 43	1 15	9 49	9 26	2 26	8 10	1 31
S 25	23 26	17 35	4 59	18 28	4 7	20 8	1 50	8 32	0 54	11 55	1 9	22 36	0 53	5 36	0 39	14 58	0 21	21 43	1 15	9 45	9 25	2 27	8 10	1 31
M26	23 25	15 18	5 2	18 38	4 0	19 49	1 50	8 19	0 54	11 58	1 10	22 36	0 53	5 37	0 40	14 58	0 21	21 43	1 15	9 41	9 24	2 29	8 11	1 32
T 27	23 22	12 6	4 46	18 49	3 51	19 30	1 49	8 5	0 53	12 1	1 10	22 36	0 52	5 37	0 40	14 58	0 21	21 43	1 15	9 38	9 22	2 31	8 11	1 32
W28	23 20	8 11	4 13	19 2	3 43	19 10	1 49	7 51	0 52	12 5	1 10	22 36	0 52	5 37	0 40	14 59	0 21	21 43	1 15	9 35	9 21	2 33	8 12	1 32
T 29	23 17	3 48	3 24	19 15	3 33	18 49	1 48	7 37	0 51	12 8	1 10	22 36	0 52	5 38	0 40	14 59	0 21	21 43	1 15	9 33	9 20	2 35	8 12	1 32
F																								

SWISS EPHEMERIS for the year 1679

JULY 1679 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
S 1	18 36 26	9 ^h 3'04"	10 ^h 41'	17 ^h 58'	14 ^h 49'	13 ^h 44'	5 ^h 24'	29 ^h 17'	15 ^h 52'	20 ^h R33	11 ^h 54'	24 ^h D35	23 ^h 55'	2 ^h 16'	17 ^h 19'
S 2	18 40 22	10° 0'15"	24°46'	18°52'	16° 0'	14°18'	5°33'	29°25'	15°53'	20 ^h 32'	11°47'	24 ^h R36	23°52'	2°23'	17°20'
M 3	18 44 19	10°57'27"	8 ^h 45'	19°50'	17°10'	14°52'	5°43'	29°33'	15°54'	20°31'	11°49'	24 ^h 35'	23°49'	2°29'	17°21'
T 4	18 48 15	11°54'40"	22°40'	20°52'	18°21'	15°27'	5°53'	29°40'	15°55'	20°30'	11°50'	24°33'	23°45'	2°36'	17°22'
W 5	18 52 12	12°51'53"	6 ^h 26'	21°59'	19°31'	16° 1'	6° 2'	29°48'	15°56'	20°28'	11°52'	24°28'	23°42'	2°43'	17°23'
T 6	18 56 9	13°49'06"	20° 4'	23°10'	20°41'	16°36'	6°11'	29°56'	15°56'	20°27'	11°54'	24°20'	23°39'	2°49'	17°24'
F 7	19 0 5	14°46'19"	3 ^h 31'	24°26'	21°52'	17°11'	6°20'	0 ^h 54'	15°57'	20°26'	11°55'	24° 9'	23°36'	2°56'	17°25'
S 8	19 4 2	15°43'33"	16°44'	25°45'	23° 2'	17°46'	6°30'	0°11'	15°58'	20°25'	11°57'	23°57'	23°33'	3° 3'	17°25'
S 9	19 7 58	16°40'48"	29°42'	27° 9'	24°12'	18°21'	6°38'	0°19'	15°58'	20°23'	11°58'	23°45'	23°29'	3° 9'	17°26'
M10	19 11 55	17°38'02"	12 ^h 23'	28°37'	25°22'	18°56'	6°47'	0°27'	15°59'	20°22'	12° 0'	23°33'	23°26'	3°16'	17°27'
T 11	19 15 51	18°35'16"	24°49'	0 ^h 59'	26°32'	19°31'	6°56'	0°34'	16° 0'	20°21'	12° 1'	23°22'	23°23'	3°23'	17°27'
W12	19 19 48	19°32'31"	7 ^h 00'	1°45'	27°42'	20° 6'	7° 5'	0°42'	16° 0'	20°19'	12° 3'	23°14'	23°20'	3°29'	17°28'
T 13	19 23 44	20°29'46"	19° 0'	3°25'	28°52'	20°41'	7°13'	0°49'	16° 0'	20°18'	12° 4'	23° 9'	23°17'	3°36'	17°28'
F 14	19 27 41	21°27'01"	0 ^h 51'	5° 8'	0 ^h 27'	21°17'	7°21'	0°57'	16° 1'	20°17'	12° 6'	23° 6'	23°14'	3°42'	17°29'
S 15	19 31 38	22°24'17"	12°39'	6°54'	1°11'	21°52'	7°29'	1° 4'	16° 1'	20°15'	12° 7'	23° 5'	23°10'	3°49'	17°29'
S 16	19 35 34	23°21'32"	24°30'	8°44'	2°21'	22°28'	7°37'	1°12'	16° 2'	20°14'	12° 9'	23° 5'	23° 7'	3°56'	17°29'
M17	19 39 31	24°18'48"	6 ^h 27'	10°37'	3°30'	23° 4'	7°45'	1°19'	16° 2'	20°12'	12°10'	23° 4'	23° 4'	4° 2'	17°30'
T 18	19 43 27	25°16'05"	18°38'	12°32'	4°40'	23°40'	7°53'	1°27'	16° 2'	20°11'	12°12'	23° 3'	23° 1'	4° 9'	17°30'
W19	19 47 24	26°13'21"	1 ^h 7'	14°30'	5°49'	24°16'	8° 1'	1°34'	16° 2'	20°10'	12°14'	23° 0'	22°58'	4°16'	17°30'
T 20	19 51 20	27°10'38"	13°56'	16°30'	6°58'	24°52'	8° 8'	1°41'	16° 2'	20° 8'	12°15'	22°54'	22°55'	4°22'	17°30'
F 21	19 55 17	28° 7'56"	27°10'	18°32'	8° 7'	25°28'	8°15'	1°49'	16° 2'	20° 7'	12°17'	22°45'	22°51'	4°29'	17°R30
S 22	19 59 13	29° 5'14"	10 ^h 48'	20°36'	9°16'	26° 4'	8°23'	1°56'	16°R 2'	20° 5'	12°18'	22°35'	22°48'	4°36'	17°30'
S 23	20 3 10	0 ^h 2'33"	24°49'	22°40'	10°25'	26°40'	8°30'	2° 3'	16° 2'	20° 4'	12°20'	22°24'	22°45'	4°42'	17°30'
M24	20 7 7	0°59'52"	9 ^h 8'	24°46'	11°34'	27°17'	8°36'	2°10'	16° 2'	20° 2'	12°21'	22°12'	22°42'	4°49'	17°30'
T 25	20 11 3	1°57'12"	23°38'	26°52'	12°43'	27°53'	8°43'	2°18'	16° 2'	20° 1'	12°22'	22° 2'	22°39'	4°56'	17°30'
W26	20 15 0	2°54'33"	8 ^h 14'	28°58'	13°51'	28°29'	8°50'	2°25'	16° 2'	19°59'	12°24'	21°55'	22°35'	5° 2'	17°29'
T 27	20 18 56	3°51'55"	22°49'	1 ^h 4'	15° 0'	29° 6'	8°56'	2°32'	16° 2'	19°58'	12°25'	21°50'	22°32'	5° 9'	17°29'
F 28	20 22 53	4°49'19"	7 ^h 16'	3° 9'	16° 8'	29°43'	9° 2'	2°39'	16° 1'	19°56'	12°27'	21°47'	22°29'	5°16'	17°29'
S 29	20 26 49	5°46'43"	21°33'	5°15'	17°16'	0 ^h 20'	9° 8'	2°46'	16° 1'	19°54'	12°28'	21°D47'	22°26'	5°22'	17°28'
S 30	20 30 46	6°44'09"	5 ^h 39'	7°19'	18°25'	0°56'	9°14'	2°53'	16° 1'	19°53'	12°30'	21°R47'	22°23'	5°29'	17°28'
MB1	20 34 42	7 ^h 41'36"	19 ^h 31'	9 ^h 23'	19 ^h 33'	1 ^h 33'	9 ^h 20'	3 ^h 50'	16 ^h 0'	19 ^h 51'	12 ^h 31'	21 ^h 47'	22 ^h 20'	5 ^h 36'	17 ^h 28'

Day	☉		☽		♀		♁		♂		♃		♅		♁		♁		♁		♁			
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat		
S 1	23n10	5n21	1n13	19n45	3s12	18n 7	1n46	7n 9	0n49	12n14	1s10	22n36	0s52	5n39	0s40	15s 0	0s21	21n43	1s15	9s33	9s18	2s39	8n13	1n32
S 2	23 6 9 35	0s 1 20 1	3 1 17 45	1 45	6 55	0 48 12 17	1 10	22 37	0 52	5 39	0 40 15 0	0 21 21 43	1 15	9 33	9 16	2 43	8 14	1 32						
M 3	23 2 13 16	1 24 20 17	2 49 17 22	1 44	6 41	0 47 12 20	1 11	22 37	0 52	5 39	0 40 15 1	0 21 21 43	1 15	9 32	9 15	2 43	8 14	1 32						
T 4	22 57 16 10	2 23 20 33	2 37 17 0	1 43	6 27	0 46 12 23	1 11	22 37	0 52	5 40	0 40 15 1	0 21 21 43	1 15	9 32	9 14	2 45	8 14	1 32						
W 5	22 51 18 6	3 22 20 50	2 24 16 36	1 42	6 13	0 45 12 26	1 11	22 37	0 52	5 40	0 40 15 1	0 21 21 42	1 15	9 30	9 13	2 46	8 15	1 32						
T 6	22 46 18 58	4 9 21 7	2 11 16 13	1 41	5 58	0 44 12 29	1 11	22 37	0 52	5 40	0 40 15 2	0 21 21 42	1 15	9 27	9 12	2 48	8 15	1 32						
F 7	22 39 18 44	4 4 21 23	1 58 15 49	1 39	5 44	0 43 12 32	1 11	22 37	0 52	5 40	0 40 15 2	0 21 21 42	1 15	9 23	9 11	2 50	8 15	1 32						
S 8	22 33 17 30	4 58 21 39	1 45 15 24	1 38	5 29	0 42 12 35	1 11	22 37	0 52	5 41	0 40 15 3	0 21 21 42	1 14	9 19	9 9	2 52	8 16	1 32						
S 9	22 26 15 22	4 59 21 55	1 32 14 59	1 36	5 15	0 41 12 38	1 12	22 37	0 52	5 41	0 40 15 3	0 21 21 42	1 14	9 14	9 8	2 54	8 16	1 32						
M10	22 19 12 33	4 45 22 10	1 19 14 34	1 35	5 0	0 40 12 40	1 12	22 37	0 52	5 41	0 40 15 4	0 21 21 42	1 14	9 9	9 7	2 56	8 16	1 32						
T 11	22 11 9 14	4 17 22 24	1 5 14 9	1 33	4 46	0 39 12 43	1 12	22 37	0 52	5 41	0 40 15 4	0 21 21 42	1 14	9 6	9 6	2 58	8 16	1 32						
W12	22 3 5 34	3 38 22 36	0 52 13 43	1 31	4 31	0 38 12 46	1 12	22 37	0 52	5 41	0 40 15 4	0 21 21 42	1 14	9 3	9 5	3 0	8 17	1 32						
T 13	21 55 1 45	2 50 22 47	0 39 13 17	1 29	4 16	0 38 12 48	1 12	22 37	0 51	5 42	0 40 15 5	0 21 21 42	1 14	9 1	9 4	3 2	8 17	1 32						
F 14	21 46 2s 6	1 55 22 57	0 26 12 50	1 27	4 1	0 37 12 51	1 12	22 37	0 51	5 42	0 40 15 5	0 21 21 42	1 14	9 0	9 2	3 3	8 17	1 32						
S 15	21 37 5 51	0 55 23 5	0 13 12 23	1 25	3 47	0 36 12 53	1 12	22 37	0 51	5 42	0 40 15 6	0 21 21 42	1 14	8 59	9 1	3 5	8 17	1 32						
S 16	21 27 9 23	0n 8 23 10	0 1 11 56	1 23	3 32	0 35 12 56	1 13	22 37	0 51	5 42	0 40 15 6	0 21 21 42	1 14	8 59	9 0	3 7	8 17	1 32						
M17	21 17 12 35	1 10 23 14	0n11 11 29	1 20	3 17	0 34 12 58	1 13	22 37	0 51	5 42	0 40 15 7	0 21 21 42	1 14	8 59	8 59	3 9	8 17	1 32						
T 18	21 7 15 18	2 11 23 15	0 22 11 1	1 18	3 2	0 33 13 1	1 13	22 37	0 51	5 42	0 40 15 7	0 21 21 41	1 14	8 58	8 58	3 11	8 18	1 32						
W19	20 56 17 22	3 7 23 14	0 33 10 34	1 15	2 47	0 32 13 3	1 13	22 37	0 51	5 42	0 40 15 8	0 21 21 41	1 14	8 57	8 56	3 13	8 18	1 32						
T 20	20 45 18 37	3 55 23 10	0 43 10 6	1 13	2 32	0 31 13 5	1 13	22 37	0 51	5 42	0 40 15 8	0 21 21 41	1 14	8 55	8 55	3 15	8 18	1 32						
F 21	20 34 18 55	4 32 23 3	0 52 9 37	1 10	2 16	0 31 13 7	1 14	22 37	0 51	5 42	0 40 15 9	0 22 21 41	1 14	8 52	8 54	3 17	8 18	1 32						
S 22	20 22 18 8	4 55 22 54	1 1 9 9	1 7	2 1	0 30 13 9	1 14	22 37	0 51	5 42	0 40 15 9	0 22 21 41	1 14	8 48	8 53	3 18	8 18	1 32						
S 23	20 10 16 16	5 1 22 42	1 9 8 40	1 4	1 46	0 29 13 11	1 14	22 37	0 51	5 42	0 40 15 10	0 22 21 41	1 14	8 44	8 52	3 20	8 18	1 32						
M24	19 58 13 22	4 48 22 28	1 16 8 11	1 1	1 31	0 28 13 13	1 14	22 37	0 51	5 42	0 40 15 10	0 22 21 41	1 14	8 40	8 51	3 22	8 18	1 32						
T 25	19 45 9 37	4 17 22 10	1 23 7 42	0 58	1 16	0 27 13 15	1 14	22 37	0 51	5 42	0 40 15 11	0 22 21 41	1 14	8 36	8 49	3 24	8 18	1 32						

SWISS EPHEMERIS for the year 1679

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T 1	20 38 39	8♄39°04	3♂11	11♂25	20♁41	2♂10	9♃26	3♁7	16°R 0	19°R50	12♁33	21°R44	22♂16	5♂42	17°R27
W 2	20 42 36	9°36'34	16°39	13°26	21°48	2°48	9°31	3°14	15°Y59	19°R48	12°34	21♂40	22°13	5°49	17°Y26
T 3	20 46 32	10°34'05	29°55	15°27	22°56	3°25	9°36	3°20	15°59	19°46	12°35	21°33	22°10	5°56	17°26
F 4	20 50 29	11°31'37	12♁59	17°25	24° 4	4° 2	9°41	3°27	15°58	19°45	12°37	21°23	22° 7	6° 2	17°25
S 5	20 54 25	12°29'10	25°52	19°23	25°11	4°40	9°46	3°34	15°57	19°43	12°38	21°12	22° 4	6° 9	17°24
S 6	20 58 22	13°26'45	8♄31	21°19	26°18	5°17	9°51	3°41	15°57	19°42	12°40	21° 0	22° 1	6°15	17°23
M 7	21 2 18	14°24'20	20°58	23°13	27°26	5°55	9°56	3°47	15°56	19°40	12°41	20°49	21°57	6°22	17°22
T 8	21 6 15	15°21'57	3♁13	25° 6	28°33	6°32	10° 0	3°54	15°55	19°38	12°42	20°39	21°54	6°29	17°22
W 9	21 10 11	16°19'35	15°16	26°58	29°40	7°10	10° 4	4° 0	15°54	19°37	12°44	20°31	21°51	6°35	17°21
T 10	21 14 8	17°17'14	27°11	28°48	0♂46	7°48	10° 8	4° 7	15°53	19°35	12°45	20°26	21°48	6°42	17°20
F 11	21 18 5	18°14'54	9♂ 0	0♁37	1°53	8°26	10°12	4°13	15°52	19°33	12°46	20°23	21°45	6°49	17°18
S 12	21 22 1	19°12'35	20°46	2°24	2°59	9° 4	10°16	4°20	15°51	19°32	12°47	20°D22	21°41	6°55	17°17
S 13	21 25 58	20°10'18	2♁35	4°10	4° 6	9°42	10°19	4°26	15°50	19°30	12°49	20°23	21°38	7° 2	17°16
M14	21 29 54	21° 8'01	14°31	5°54	5°12	10°20	10°22	4°32	15°49	19°29	12°50	20°24	21°35	7° 9	17°15
T 15	21 33 51	22° 5'46	26°41	7°37	6°18	10°58	10°25	4°38	15°48	19°27	12°51	20°R24	21°32	7°15	17°14
W16	21 37 47	23° 3'32	9♂ 8	9°18	7°24	11°37	10°28	4°44	15°47	19°25	12°53	20°22	21°29	7°22	17°12
T 17	21 41 44	24° 1'19	21°58	10°59	8°29	12°15	10°31	4°50	15°46	19°24	12°54	20°19	21°26	7°29	17°11
F 18	21 45 40	24°59'07	5♂14	12°37	9°35	12°53	10°34	4°56	15°45	19°22	12°55	20°14	21°22	7°35	17° 9
S 19	21 49 37	25°56'56	18°57	14°15	10°40	13°32	10°36	5° 2	15°43	19°20	12°56	20° 6	21°19	7°42	17° 8
S 20	21 53 34	26°54'47	3♁ 8	15°50	11°45	14°11	10°38	5° 8	15°42	19°19	12°57	19°58	21°16	7°49	17° 6
M21	21 57 30	27°52'39	17°41	17°25	12°50	14°49	10°40	5°14	15°41	19°17	12°59	19°50	21°13	7°55	17° 5
T 22	22 1 27	28°50'32	2♁31	18°58	13°55	15°28	10°42	5°20	15°39	19°16	13° 0	19°43	21°10	8° 2	17° 3
W23	22 5 23	29°48'27	17°29	20°30	14°59	16° 7	10°43	5°25	15°38	19°14	13° 1	19°37	21° 7	8° 9	17° 2
T 24	22 9 20	0♁46'24	2°Y26	22° 1	16° 3	16°46	10°45	5°31	15°36	19°12	13° 2	19°34	21° 3	8°15	17° 0
F 25	22 13 16	1°44'22	17°14	23°30	17° 7	17°25	10°46	5°36	15°35	19°11	13° 3	19°D33	21° 0	8°22	16°58
S 26	22 17 13	2°42'22	1♂48	24°58	18°11	18° 4	10°47	5°42	15°33	19° 9	13° 4	19°33	20°57	8°28	16°56
S 27	22 21 9	3°40'25	16° 4	26°24	19°15	18°43	10°48	5°47	15°32	19° 8	13° 5	19°35	20°54	8°35	16°55
M28	22 25 6	4°38'29	0♂ 1	27°49	20°18	19°22	10°48	5°53	15°30	19° 6	13° 6	19°R35	20°51	8°42	16°53
T 29	22 29 3	5°36'35	13°37	29°12	21°21	20° 2	10°49	5°58	15°28	19° 4	13° 7	19°35	20°47	8°48	16°51
W30	22 32 59	6°34'43	26°56	0♂35	22°24	20°41	10°R49	6° 3	15°26	19° 3	13° 8	19°33	20°44	8°55	16°49
T 31	22 36 56	7♁32'54	9♁58	1♂55	23♂27	21♂20	10♂49	6♁ 8	15°Y25	19° 1	13♁ 9	19♂30	20♂41	9♂ 2	16°Y47

Day	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁	♁								
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl								
T 1	18n 8	17n32	3s21	19n 5	1n46	4n14	0n35	0s32	0n21	13n28	1s16	22n36	0s51	5n41	0s41	15s14	0s22	21n40	1s13	8s29	8s41	3s37	8n17	1n32
W 2	17 52	18 41	4 8	18 31	1 46	3 44	0 31	0 48	0 21	13 29	1 16	22 36	0 51	5 41	0 41	15 15	0 22	21 40	1 13	8 27	8 40	3 39	8 16	1 32
T 3	17 37	18 47	4 41	17 55	1 46	3 13	0 27	1 3	0 20	13 31	1 16	22 36	0 51	5 40	0 41	15 15	0 22	21 40	1 13	8 25	8 39	3 41	8 16	1 32
F 4	17 21	17 53	4 59	17 18	1 45	2 43	0 23	1 19	0 19	13 32	1 16	22 36	0 51	5 40	0 41	15 16	0 22	21 40	1 13	8 21	8 38	3 43	8 16	1 32
S 5	17 5 16	4 5	1 16	40	1 44	2 13	0 19	1 35	0 18	13 33	1 16	22 35	0 50	5 40	0 41	15 16	0 22	21 40	1 13	8 17	8 36	3 45	8 15	1 32
S 6	16 49	13 31	4 49	16 1	1 41	1 42	0 15	1 50	0 17	13 35	1 17	22 35	0 50	5 39	0 41	15 17	0 22	21 40	1 13	8 12	8 35	3 46	8 15	1 32
M 7	16 32	10 23	4 22	15 21	1 39	1 12	0 11	2 6	0 16	13 36	1 17	22 35	0 50	5 39	0 41	15 17	0 22	21 40	1 13	8 8	8 34	3 48	8 15	1 32
T 8	16 15	6 52	3 44	14 40	1 36	0 41	0 7	2 22	0 16	13 37	1 17	22 35	0 50	5 39	0 41	15 18	0 22	21 40	1 13	8 4	8 33	3 50	8 14	1 32
W 9	15 58	3 7	2 56	13 59	1 32	0 11	0 3	2 37	0 15	13 38	1 17	22 35	0 50	5 38	0 41	15 18	0 22	21 40	1 13	8 2	8 32	3 52	8 14	1 32
T 10	15 41	0s43	2 1	13 17	1 28	0s20	0s 2	2 53	0 14	13 39	1 17	22 35	0 50	5 38	0 41	15 19	0 22	21 39	1 13	8 0	8 30	3 54	8 14	1 32
F 11	15 23	4 30	1 1	12 34	1 23	0 51	0 6	3 9	0 13	13 40	1 18	22 34	0 50	5 38	0 41	15 19	0 22	21 39	1 13	7 59	8 29	3 56	8 13	1 32
S 12	15 5	8 5	0n 2	11 51	1 18	1 21	0 11	3 24	0 13	13 41	1 18	22 34	0 50	5 37	0 41	15 20	0 22	21 39	1 13	7 58	8 28	3 58	8 13	1 32
S 13	14 47	11 22	1 5	11 8	1 13	1 52	0 15	3 40	0 12	13 42	1 18	22 34	0 50	5 37	0 41	15 20	0 22	21 39	1 13	7 59	8 27	3 59	8 12	1 32
M14	14 29	14 13	2 6	10 24	1 8	2 22	0 20	3 56	0 11	13 43	1 18	22 34	0 50	5 36	0 41	15 21	0 22	21 39	1 13	7 59	8 26	4 1	8 12	1 32
T 15	14 10	16 29	3 2	9 41	1 2	2 53	0 24	4 11	0 10	13 44	1 18	22 34	0 50	5 36	0 41	15 21	0 22	21 39	1 13	7 59	8 24	4 3	8 11	1 32
W16	13 51	18 3	3 51	8 57	0 55	3 23	0 29	4 27	0 9	13 45	1 19	22 33	0 50	5 35	0 41	15 22	0 22	21 39	1 13	7 58	8 23	4 5	8 11	1 32
T 17	13 32	18 44	4 30	8 13	0 49	3 54	0 34	4 43	0 9	13 45	1 19	22 33	0 50	5 35	0 41	15 23	0 22	21 39	1 13	7 57	8 22	4 7	8 10	1 32
F 18	13 13	18 26	4 56	7 29	0 42	4 24	0 39	4 59	0 8	13 46	1 19	22 33	0 50	5 35	0 41	15 23	0 22	21 39	1 13	7 55	8 21	4 9	8 10	1 32
S 19	12 53	17 4	5 7	6 45	0 35	4 54	0 44	5 14	0 7	13 46	1 19	22 33	0 50	5 34	0 41	15 24	0 22	21 39	1 12	7 52	8 20	4 11	8 9	1 32
S 20	12 34	14 39	4 59	6 1	0 28	5 24	0 49	5 30	0 6	13 47	1 19	22 33	0 50	5 33	0 41	15 24	0 22	21 39	1 12	7 49	8 19	4 12	8 9	1 32
M21	12 14	11 15	4 32	5 17	0 20	5 54	0 54	5 46	0 6	13 47	1 20	22 32	0 50	5 33	0 41	15 25	0 22	21 39	1 12	7 46	8 17	4 14	8 8	1 32
T 22	11 54	7 5	3 46	4 34	0 13	6 24	0 59	6 1	0 5	13 48	1 20	22 32	0 50	5 32	0 41	15 25	0 22	21 39	1 12	7 43	8 16	4 16	8 7	1 32
W23	11 33	2 26	2 44	3 51	0 5	6 54	1 4	6 17	0 4	13 48	1 20	22 32	0 50	5 32	0 41	15 26	0 22	21 38	1 12	7 41	8 15	4 18	8 7	1 32
T 24	11 13	2n22	1 31	3 8	0s 3	7 23	1 9	6 33	0 3	13 48	1 20	22 32	0 50	5 31	0 41	15 26	0 22	21 38	1 12	7 40	8 14	4 20	8 6	1 32
F 25	10 52	6 58	0 13	2 25	0 11	7 53	1 14	6 48	0 3	13 48	1 20	22 32	0 50	5 31	0 41	15 27	0 22	21 38	1 12	7 40	8 13	4 22	8 5	1 32
S 26	10 32	11 5	1s 6	1 43	0 19	8 22	1 20	7 4	0 2	13 48	1 21	22 31	0 50	5 30	0 41	15 27	0 22	21 38	1 12	7 40	8 11	4 23	8 5	1 32
S 27	10 11	14 28	2 19	1 1	0 28	8 51	1 25	7 20	0 1	13 48	1 21	22 31	0 50	5 29	0 41	15 28	0 22	21 38	1 12	7 40	8 10	4 25	8 4	1 32
M28	9 49	16 54	3 21	0 19	0 36	9 20	1 30	7 35	0 0	13 48	1 21	22 31	0 50	5 29	0 41	15 28	0 22	21 38	1 12	7 41	8 9	4 27	8 3	1 32
T 29	9 28	18 19	4 11	0s22	0 45	9 49	1 36	7 51	0s 0	13 48														

SWISS EPHEMERIS for the year 1679

SEPTEMBER 1679 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	22 40 52	8 ^h 31'06"	22 ^h 54'	3 ^h 14'	24 ^h 29'	22 ^h 0'	10°R49	6 ^h 13'	15°R23	19°R 0	13 ^h 10'	19°R24	20 ^h 38'	9 ^h 8'	16°R45	
S 2	22 44 49	9°29'20"	5 ^h 19'	4°32'	25°31'	22°40'	10 ^h 8'48"	6°18'	15°V21	18 ^h 58'	13°11'	19 ^h 18'	20°35'	9°15'	16°V43	
S 3	22 48 45	10°27'36"	17°42'	5°48'	26°33'	23°19'	10°48'	6°23'	15°19'	18°57'	13°12'	19°10'	20°32'	9°22'	16°40'	
M 4	22 52 42	11°25'54"	29°54'	7° 2'	27°35'	23°59'	10°47'	6°28'	15°17'	18°55'	13°13'	19° 4'	20°28'	9°28'	16°38'	
T 5	22 56 38	12°24'14"	11 ^h 57'	8°15'	28°36'	24°39'	10°46'	6°32'	15°16'	18°54'	13°14'	18°58'	20°25'	9°35'	16°36'	
W 6	23 0 35	13°22'35"	23°52'	9°25'	29°37'	25°19'	10°44'	6°37'	15°14'	18°52'	13°15'	18°53'	20°22'	9°42'	16°34'	
T 7	23 4 31	14°20'58"	5 ^h 42'	10°34'	0 ^h 37'	25°59'	10°43'	6°41'	15°12'	18°51'	13°16'	18°51'	20°19'	9°48'	16°32'	
F 8	23 8 28	15°19'24"	17°29'	11°41'	1°38'	26°39'	10°41'	6°46'	15°10'	18°49'	13°17'	18°D50	20°16'	9°55'	16°29'	
S 9	23 12 25	16°17'50"	29°15'	12°45'	2°38'	27°19'	10°40'	6°50'	15° 8'	18°48'	13°17'	18°50'	20°12'	10° 1'	16°27'	
S 10	23 16 21	17°16'19"	11 ^h 5'	13°48'	3°37'	27°59'	10°38'	6°54'	15° 6'	18°47'	13°18'	18°52'	20° 9'	10° 8'	16°25'	
M11	23 20 18	18°14'49"	23° 1'	14°47'	4°37'	28°40'	10°35'	6°58'	15° 3'	18°45'	13°19'	18°54'	20° 6'	10°15'	16°22'	
T 12	23 24 14	19°13'21"	5 ^h 10'	15°45'	5°36'	29°20'	10°33'	7° 3'	15° 1'	18°44'	13°20'	18°55'	20° 3'	10°21'	16°20'	
W13	23 28 11	20°11'55"	17°35'	16°39'	6°34'	0 ^h 1'	10°30'	7° 7'	14°59'	18°43'	13°21'	18°R56	20° 0'	10°28'	16°17'	
T 14	23 32 7	21°10'30"	0 ^h 21'	17°30'	7°32'	0°41'	10°27'	7°10'	14°57'	18°41'	13°21'	18°55'	19°57'	10°35'	16°15'	
F 15	23 36 4	22° 9'07"	13°32'	18°19'	8°30'	1°22'	10°24'	7°14'	14°55'	18°40'	13°22'	18°54'	19°53'	10°41'	16°12'	
S 16	23 40 0	23° 7'46"	27°10'	19° 3'	9°27'	2° 2'	10°21'	7°18'	14°53'	18°39'	13°23'	18°51'	19°50'	10°48'	16°10'	
S 17	23 43 57	24° 6'26"	11 ^h 17'	19°44'	10°24'	2°43'	10°18'	7°22'	14°51'	18°37'	13°23'	18°48'	19°47'	10°55'	16° 7'	
M18	23 47 54	25° 5'08"	25°50'	20°21'	11°20'	3°24'	10°14'	7°25'	14°48'	18°36'	13°24'	18°45'	19°44'	11° 1'	16° 5'	
T 19	23 51 50	26° 3'52"	10 ^h 45'	20°54'	12°16'	4° 5'	10°11'	7°29'	14°46'	18°35'	13°24'	18°42'	19°41'	11° 8'	16° 2'	
W20	23 55 47	27° 2'38"	25°53'	21°21'	13°12'	4°46'	10° 7'	7°32'	14°44'	18°34'	13°25'	18°40'	19°38'	11°15'	15°59'	
T 21	23 59 43	28° 1'26"	11 ^h 5'	21°44'	14° 6'	5°27'	10° 2'	7°35'	14°41'	18°33'	13°26'	18°39'	19°34'	11°21'	15°57'	
F 22	0 3 40	29° 0'16"	26°11'	22° 1'	15° 1'	6° 8'	9°58'	7°38'	14°39'	18°31'	13°26'	18°D39	19°31'	11°28'	15°54'	
S 23	0 7 36	29°59'08"	11 ^h 4'	22°12'	15°55'	6°49'	9°54'	7°41'	14°37'	18°30'	13°27'	18°39'	19°28'	11°35'	15°51'	
S 24	0 11 33	0 ^h 58'02"	25°36'	22°R17	16°48'	7°30'	9°49'	7°44'	14°34'	18°29'	13°27'	18°41'	19°25'	11°41'	15°49'	
M25	0 15 29	1°56'59"	9 ^h 45'	22°15'	17°40'	8°12'	9°44'	7°47'	14°32'	18°28'	13°28'	18°42'	19°22'	11°48'	15°46'	
T 26	0 19 26	2°55'58"	23°28'	22° 6'	18°32'	8°53'	9°39'	7°50'	14°30'	18°27'	13°28'	18°43'	19°18'	11°54'	15°43'	
W27	0 23 23	3°54'59"	6 ^h 48'	21°50'	19°24'	9°35'	9°34'	7°52'	14°27'	18°26'	13°29'	18°R43	19°15'	12° 1'	15°40'	
T 28	0 27 19	4°54'03"	19°45'	21°26'	20°14'	10°16'	9°29'	7°55'	14°25'	18°25'	13°29'	18°42'	19°12'	12° 8'	15°38'	
F 29	0 31 16	5°53'09"	2 ^h 24'	20°54'	21° 4'	10°58'	9°23'	7°57'	14°23'	18°24'	13°29'	18°41'	19° 9'	12°14'	15°35'	
S 30	0 35 12	6°52'17"	14 ^h 47'	20 ^h 14'	21 ^h 54'	11 ^h 39'	9 ^h 17'	8 ^h 0'	14°V20	18 ^h 23'	13 ^h 30'	18 ^h 40'	19 ^h 6'	12 ^h 21'	15°V32	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
F 1	8n23	16n28	5 s 9	2s22	1s10	11s14	1s52	8s37	0s 2	13n48	1s22	22n30	0s50	5n26	0s41	15s30
S 2	8 1 14	9 4 58	3 1	1 19	11 42	1 58	8 53	0 3	13 48	1 22	22 30	0 50	5 25	0 41	15 31	0 22 21 38
S 3	7 39	11 13	4 33	3 39	1 28	12 10	2 3	9 8	0 4	13 47	1 22	22 30	0 50	5 25	0 41	15 31
M 4	7 17	7 51	3 55	4 16	1 36	12 38	2 9	9 23	0 5	13 47	1 22	22 29	0 50	5 24	0 41	15 31
T 5	6 55	4 12	3 8	4 53	1 45	13 5	2 14	9 39	0 5	13 46	1 23	22 29	0 50	5 23	0 41	15 32
W 6	6 33	0 25	2 12	5 29	1 53	13 32	2 20	9 54	0 6	13 46	1 23	22 29	0 50	5 22	0 41	15 32
T 7	6 10	3s22	1 11	6 3	2 13	13 59	2 25	10 9	0 7	13 45	1 23	22 29	0 50	5 21	0 41	15 33
F 8	5 48	6 59	0 7	6 37	2 10	14 25	2 31	10 25	0 7	13 44	1 23	22 29	0 50	5 21	0 41	15 33
S 9	5 25	10 20	0n57	7 10	2 18	14 51	2 37	10 40	0 8	13 44	1 23	22 28	0 50	5 20	0 41	15 34
S 10	5 2	13 17	1 59	7 42	2 27	15 17	2 42	10 55	0 9	13 43	1 23	22 28	0 50	5 19	0 41	15 34
M11	4 39	15 42	2 57	8 13	2 35	15 43	2 48	11 10	0 9	13 42	1 24	22 28	0 50	5 18	0 41	15 35
T 12	4 16	17 28	3 48	8 42	2 42	16 8	2 53	11 25	0 10	13 41	1 24	22 28	0 50	5 17	0 41	15 35
W13	3 53	18 26	4 29	9 10	2 50	16 33	2 59	11 40	0 11	13 40	1 24	22 27	0 50	5 17	0 41	15 36
T 14	3 30	18 30	4 58	9 36	2 57	16 57	3 5	11 55	0 11	13 39	1 24	22 27	0 50	5 16	0 41	15 36
F 15	3 7	17 36	5 13	10 1	3 4	17 22	3 10	12 9	0 12	13 38	1 24	22 27	0 50	5 15	0 41	15 36
S 16	2 44	15 40	5 12	10 25	3 10	17 45	3 16	12 24	0 13	13 37	1 24	22 27	0 50	5 14	0 41	15 37
S 17	2 21	12 45	4 51	10 46	3 17	18 9	3 21	12 39	0 14	13 36	1 25	22 27	0 50	5 13	0 41	15 37
M18	1 57	8 59	4 12	11 5	3 22	18 32	3 27	12 53	0 14	13 34	1 25	22 26	0 50	5 12	0 41	15 38
T 19	1 34	4 33	3 14	11 22	3 28	18 55	3 32	13 8	0 15	13 33	1 25	22 26	0 50	5 11	0 41	15 38
W20	1 11	0n14	2 3	11 37	3 32	19 17	3 38	13 22	0 16	13 32	1 25	22 26	0 50	5 11	0 41	15 38
T 21	0 47	5 2	0 42	11 49	3 36	19 39	3 43	13 37	0 16	13 30	1 25	22 26	0 50	5 10	0 41	15 39
F 22	0 24	9 29	0s42	11 59	3 39	20 0	3 49	13 51	0 17	13 29	1 25	22 26	0 50	5 9	0 41	15 39
S 23	0 0	13 15	2 1	12 5	3 42	20 22	3 54	14 5	0 17	13 27	1 26	22 26	0 50	5 8	0 41	15 39
S 24	0s23	16 6	3 11	12 8	3 43	20 42	3 59	14 19	0 18	13 26	1 26	22 25	0 50	5 7	0 41	15 40
M25	0 47	17 53	4 7	12 7	3 43	21 2	4 5	14 33	0 19	13 24	1 26	22 25	0 50	5 6	0 41	15 40
T 26	1 10	18 33	4 47	12 3	3 42	21 22	4 10	14 47	0 19	13 22	1 26	22 25	0 50	5 5	0 41	15 40
W27	1 34	18 8	5 10	11 55	3 40	21 42	4 15	15 1	0 20	13 20	1 26	22 25	0 50	5 4	0 41	15 41
T 28	1 57	16 48	5 17	11 42	3 36	22 0	4 20	15 15	0 21	13 19	1 26	22 25	0 50	5 3	0 41	15 41
F 29	2 20	14 39	5 8	11 25	3 30	22 19	4 25	15 29	0 21	13 17	1 26	22 25	0 50	5 2	0 41	15 41
S 30	2s44	11n53	4s45	11s 3	3s23	22s37	4s30	15s42	0s22	13n15	1s26	22n25	0s50	5n 1	0s41	15s42

Julian Day Number = 2334545.5, Delta T = 14.95 sec
 Ecliptic obliquity = 23°28'43", Nutation = 0°00'07"
 Ayanamsha: Fagan/Bradley = 20°16'08", Lahiri = 19°23'08"Greg. Calendar

SWISS EPHEMERIS for the year 1679

OCTOBER 1679 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	0 39 9	7 ^h 51 ^m 27 ^s	26 ^h 02 ^m 57 ^s	19 ^h R27	22 ^h M42	12 ^h M21	9 ^h R12	8 ^h 2	14 ^h R18	18 ^h R22	13 ^h 230	18 ^h R38	19 ^h 3	12 ^h 28	15 ^h R29
M 2	0 43 5	8 ^h 50 ^m 40 ^s	8 ^h 58 ^m 58 ^s	18 ^h 233	23 ^h 30	13 ^h 3	9 ^h 6	8 ^h 4	14 ^h Y15	18 ^h 21	13 ^h 30	18 ^h 37	18 ^h 59	12 ^h 34	15 ^h Y26
T 3	0 47 2	9 ^h 49 ^m 55 ^s	20 ^h 51	17 ^h 33	24 ^h 17	13 ^h 45	9 ^h 0	8 ^h 6	14 ^h 13	18 ^h 20	13 ^h 31	18 ^h 35	18 ^h 56	12 ^h 41	15 ^h 24
W 4	0 50 58	10 ^h 49 ^m 12 ^s	2 ^h 41	16 ^h 27	25 ^h 3	14 ^h 27	8 ^h 53	8 ^h 8	14 ^h 11	18 ^h 19	13 ^h 31	18 ^h 35	18 ^h 53	12 ^h 48	15 ^h 21
T 5	0 54 55	11 ^h 48 ^m 31 ^s	14 ^h 28	15 ^h 18	25 ^h 48	15 ^h 9	8 ^h 47	8 ^h 10	14 ^h 8	18 ^h 19	13 ^h 31	18 ^h D34	18 ^h 50	12 ^h 54	15 ^h 18
F 6	0 58 51	12 ^h 47 ^m 52 ^s	26 ^h 15	14 ^h 7	26 ^h 33	15 ^h 51	8 ^h 40	8 ^h 11	14 ^h 6	18 ^h 18	13 ^h 31	18 ^h 34	18 ^h 47	13 ^h 1	15 ^h 15
S 7	1 2 48	13 ^h 47 ^m 15 ^s	8 ^h M5	12 ^h 55	27 ^h 16	16 ^h 33	8 ^h 34	8 ^h 13	14 ^h 3	18 ^h 17	13 ^h 32	18 ^h 35	18 ^h 43	13 ^h 8	15 ^h 12
S 8	1 6 45	14 ^h 46 ^m 41 ^s	19 ^h 59	11 ^h 45	27 ^h 58	17 ^h 16	8 ^h 27	8 ^h 14	14 ^h 1	18 ^h 16	13 ^h 32	18 ^h 35	18 ^h 40	13 ^h 14	15 ^h 9
M 9	1 10 41	15 ^h 46 ^m 08 ^s	2 ^h X1	10 ^h 40	28 ^h 40	17 ^h 58	8 ^h 20	8 ^h 16	13 ^h 58	18 ^h 16	13 ^h 32	18 ^h 35	18 ^h 37	13 ^h 21	15 ^h 7
T 10	1 14 38	16 ^h 45 ^m 37 ^s	14 ^h 13	9 ^h 39	29 ^h 20	18 ^h 40	8 ^h 13	8 ^h 17	13 ^h 56	18 ^h 15	13 ^h 32	18 ^h 36	18 ^h 34	13 ^h 27	15 ^h 4
W 11	1 18 34	17 ^h 45 ^m 07 ^s	26 ^h 40	8 ^h 47	29 ^h 59	19 ^h 23	8 ^h 6	8 ^h 18	13 ^h 53	18 ^h 14	13 ^h 32	18 ^h 36	18 ^h 31	13 ^h 34	15 ^h 1
T 12	1 22 31	18 ^h 44 ^m 40 ^s	9 ^h Z3	8 ^h 3	0 ^h X3	20 ^h 5	7 ^h 58	8 ^h 19	13 ^h 51	18 ^h 14	13 ^h 32	18 ^h R36	18 ^h 28	13 ^h 41	14 ^h 58
F 13	1 26 27	19 ^h 44 ^m 14 ^s	22 ^h 30	7 ^h 29	1 ^h 14	20 ^h 48	7 ^h 51	8 ^h 20	13 ^h 49	18 ^h 13	13 ^h 32	18 ^h D36	18 ^h 24	13 ^h 47	14 ^h 55
S 14	1 30 24	20 ^h 43 ^m 50 ^s	5 ^h 59	7 ^h 6	1 ^h 50	21 ^h 31	7 ^h 44	8 ^h 21	13 ^h 46	18 ^h 13	13 ^h R32	18 ^h 36	18 ^h 21	13 ^h 54	14 ^h 52
S 15	1 34 20	21 ^h 43 ^m 28 ^s	19 ^h 53	6 ^h 54	2 ^h 24	22 ^h 13	7 ^h 36	8 ^h 22	13 ^h 44	18 ^h 12	13 ^h 32	18 ^h 36	18 ^h 18	14 ^h 1	14 ^h 50
M 16	1 38 17	22 ^h 43 ^m 08 ^s	4 ^h X14	6 ^h D53	2 ^h 57	22 ^h 56	7 ^h 29	8 ^h 22	13 ^h 41	18 ^h 12	13 ^h 32	18 ^h 36	18 ^h 15	14 ^h 7	14 ^h 47
T 17	1 42 14	23 ^h 42 ^m 49 ^s	18 ^h 57	7 ^h 4	3 ^h 28	23 ^h 39	7 ^h 21	8 ^h 23	13 ^h 39	18 ^h 11	13 ^h 32	18 ^h 37	18 ^h 12	14 ^h 14	14 ^h 44
W 18	1 46 10	24 ^h 42 ^m 32 ^s	3 ^h Y5	7 ^h 25	3 ^h 58	24 ^h 22	7 ^h 13	8 ^h 23	13 ^h 37	18 ^h 11	13 ^h 32	18 ^h 37	18 ^h 9	14 ^h 21	14 ^h 41
T 19	1 50 7	25 ^h 42 ^m 17 ^s	19 ^h 8	7 ^h 56	4 ^h 27	25 ^h 5	7 ^h 5	8 ^h 23	13 ^h 34	18 ^h 10	13 ^h 32	18 ^h R37	18 ^h 5	14 ^h 27	14 ^h 38
F 20	1 54 3	26 ^h 42 ^m 03 ^s	4 ^h B20	8 ^h 35	4 ^h 53	25 ^h 48	6 ^h 57	8 ^h 23	13 ^h 32	18 ^h 10	13 ^h 32	18 ^h 37	18 ^h 2	14 ^h 34	14 ^h 36
S 21	1 58 0	27 ^h 41 ^m 52 ^s	19 ^h 23	9 ^h 24	5 ^h 19	26 ^h 31	6 ^h 49	8 ^h R23	13 ^h 30	18 ^h 10	13 ^h 32	18 ^h 37	17 ^h 59	14 ^h 41	14 ^h 33
S 22	2 1 56	28 ^h 41 ^m 43 ^s	4 ^h II8	10 ^h 19	5 ^h 42	27 ^h 14	6 ^h 41	8 ^h 23	13 ^h 27	18 ^h 9	13 ^h 31	18 ^h 35	17 ^h 56	14 ^h 47	14 ^h 30
M 23	2 5 53	29 ^h 41 ^m 37 ^s	18 ^h 30	11 ^h 22	6 ^h 4	27 ^h 58	6 ^h 33	8 ^h 23	13 ^h 25	18 ^h 9	13 ^h 31	18 ^h 34	17 ^h 53	14 ^h 54	14 ^h 27
T 24	2 9 49	0 ^h M41 ^m 32 ^s	2 ^h 25	12 ^h 30	6 ^h 23	28 ^h 41	6 ^h 25	8 ^h 23	13 ^h 23	18 ^h 9	13 ^h 31	18 ^h 33	17 ^h 49	15 ^h 1	14 ^h 25
W 25	2 13 46	1 ^h 41 ^m 30 ^s	15 ^h 53	13 ^h 43	6 ^h 41	29 ^h 24	6 ^h 17	8 ^h 22	13 ^h 20	18 ^h 9	13 ^h 31	18 ^h 32	17 ^h 46	15 ^h 7	14 ^h 22
T 26	2 17 43	2 ^h 41 ^m 29 ^s	28 ^h 54	15 ^h 0	6 ^h 57	0 ^h X8	6 ^h 9	8 ^h 22	13 ^h 18	18 ^h 8	13 ^h 30	18 ^h D31	17 ^h 43	15 ^h 14	14 ^h 19
F 27	2 21 39	3 ^h 41 ^m 31 ^s	11 ^h Q32	16 ^h 21	7 ^h 11	0 ^h 51	6 ^h 1	8 ^h 21	13 ^h 16	18 ^h 8	13 ^h 30	18 ^h 31	17 ^h 40	15 ^h 20	14 ^h 17
S 28	2 25 36	4 ^h 41 ^m 35 ^s	23 ^h 51	17 ^h 46	7 ^h 23	1 ^h 35	5 ^h 53	8 ^h 20	13 ^h 14	18 ^h 8	13 ^h 30	18 ^h 32	17 ^h 37	15 ^h 27	14 ^h 14
S 29	2 29 32	5 ^h 41 ^m 41 ^s	5 ^h 56	19 ^h 13	7 ^h 32	2 ^h 18	5 ^h 45	8 ^h 20	13 ^h 11	18 ^h 8	13 ^h 29	18 ^h 33	17 ^h 34	15 ^h 34	14 ^h 11
M 30	2 33 29	6 ^h 41 ^m 49 ^s	17 ^h 50	20 ^h 42	7 ^h 40	3 ^h 2	5 ^h 37	8 ^h 19	13 ^h 9	18 ^h D8	13 ^h 29	18 ^h 35	17 ^h 30	15 ^h 40	14 ^h 9
T 31	2 37 25	7 ^h M42 ^m 00 ^s	29 ^h 39	22 ^h 13	7 ^h X45	3 ^h X46	5 ^h B28	8 ^h 17	13 ^h Y7	18 ^h 8	13 ^h 29	18 ^h 37	17 ^h 27	15 ^h 47	14 ^h Y6

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	3s 7	8n39	4s 9	10s37	3s14	22s54	4s35	15s56	0s23	13n13	1s26	22n24	0s50	5n 1	0s41	15s42	0s22	21n37	1s11	7s19	7s28	5s29	7n30	1n30
M 2	3 31	5 5	3 23	10 6	3 3	23 11	4 40	16 9	0 23	13 11	1 27	22 24	0 50	5 0	0 41	15 42	0 22	21 37	1 11	7 18	7 27	5 30	7 29	1 30
T 3	3 54	1 22	2 28	9 31	2 50	23 28	4 44	16 22	0 24	13 9	1 27	22 24	0 50	4 59	0 41	15 42	0 22	21 37	1 11	7 18	7 26	5 32	7 27	1 30
W 4	4 17	2s24	1 27	8 53	2 36	23 44	4 49	16 35	0 24	13 7	1 27	22 24	0 50	4 58	0 41	15 43	0 22	21 37	1 11	7 18	7 25	5 34	7 26	1 30
T 5	4 41	6 4	0 23	8 11	2 19	23 59	4 53	16 48	0 25	13 5	1 27	22 24	0 50	4 57	0 41	15 43	0 22	21 37	1 11	7 17	7 23	5 36	7 25	1 30
F 6	5 4	9 29	0n43	7 26	2 2	24 14	4 58	17 1	0 26	13 3	1 27	22 24	0 50	4 56	0 41	15 43	0 22	21 37	1 11	7 17	7 22	5 37	7 24	1 30
S 7	5 27	12 33	1 46	6 41	1 42	24 28	5 2	17 14	0 26	13 0	1 27	22 24	0 50	4 55	0 41	15 43	0 22	21 37	1 11	7 18	7 21	5 39	7 23	1 30
S 8	5 50	15 6	2 46	5 55	1 22	24 42	5 6	17 27	0 27	12 58	1 27	22 24	0 50	4 54	0 41	15 44	0 22	21 37	1 11	7 18	7 20	5 41	7 22	1 30
M 9	6 13	17 1	3 39	5 10	1 2	24 56	5 10	17 39	0 27	12 56	1 27	22 24	0 50	4 53	0 41	15 44	0 22	21 37	1 11	7 18	7 18	5 43	7 20	1 30
T 10	6 36	18 12	4 23	4 28	0 41	25 8	5 14	17 51	0 28	12 54	1 27	22 23	0 50	4 52	0 41	15 44	0 22	21 37	1 11	7 18	7 17	5 45	7 19	1 30
W 11	6 59	18 31	4 55	3 48	0 21	25 21	5 17	18 4	0 29	12 51	1 27	22 23	0 50	4 51	0 41	15 44	0 22	21 37	1 11	7 18	7 16	5 46	7 18	1 30
T 12	7 21	17 55	5 14	3 13	0 1	25 32	5 21	18 16	0 29	12 49	1 27	22 23	0 50	4 50	0 41	15 44	0 22	21 37	1 11	7 18	7 15	5 48	7 17	1 29
F 13	7 44	16 23	5 17	2 42	0n18	25 43	5 24	18 28	0 30	12 46	1 27	22 23	0 50	4 49	0 41	15 45	0 22	21 37	1 11	7 18	7 14	5 50	7 16	1 29
S 14	8 6	13 54	5 4	2 17	0 35	25 54	5 27	18 40	0 30	12 44	1 27	22 23	0 50	4 48	0 41	15 45	0 22	21 37	1 11	7 18	7 12	5 52	7 14	1 29
S 15	8 29	10 34	4 32	1 58	0 51	26 4	5 30	18 51	0 31	12 42	1 27	22 23	0 50	4 47	0 41	15 45	0 22	21 37	1 11	7 18	7 11	5 53	7 13	1 29
M 16	8 51	6 31	3 43	1 44	1 6	26 13	5 32	19 3	0 32	12 39	1 27	22 23	0 50	4 46	0 41	15 45	0 22	21 37	1 11	7 18	7 10	5 55	7 12	1 29
T 17	9 13	1 58	2 38	1 36	1 19	26 21	5 35																	

SWISS EPHEMERIS for the year 1679

NOVEMBER 1679 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	2 41 22	8♁42'12	11♁26	23♁45	7♁48	4♁30	5°R20	8°R16	13°R 5	18♁ 8	13°R28	18♁37	17♁24	15♁54	14°R 4
T 2	2 45 18	9°42'26	23°13	25°18	7°R49	5°14	5♁12	8♁15	13°Y 3	18° 8	13♁28	18°R38	17°21	16° 0	14°Y 1
F 3	2 49 15	10°42'42	5♁ 4	26°53	7°47	5°58	5° 4	8°13	13° 1	18° 8	13°27	18°37	17°18	16° 7	13°59
S 4	2 53 12	11°43'00	17° 1	28°28	7°42	6°42	4°56	8°12	12°59	18° 9	13°27	18°34	17°15	16°14	13°56
S 5	2 57 8	12°43'19	29° 6	0♁ 3	7°36	7°26	4°48	8°10	12°57	18° 9	13°26	18°31	17°11	16°20	13°54
M 6	3 1 5	13°43'41	11♁19	1°39	7°27	8°10	4°40	8° 9	12°55	18° 9	13°26	18°27	17° 8	16°27	13°51
T 7	3 5 1	14°44'03	23°44	3°15	7°15	8°54	4°32	8° 7	12°53	18° 9	13°25	18°22	17° 5	16°34	13°49
W 8	3 8 58	15°44'28	6♁20	4°52	7° 1	9°39	4°24	8° 5	12°51	18° 9	13°25	18°18	17° 2	16°40	13°47
T 9	3 12 54	16°44'54	19°11	6°28	6°45	10°23	4°16	8° 3	12°49	18°10	13°24	18°14	16°59	16°47	13°45
F 10	3 16 51	17°45'21	2♁17	8° 5	6°26	11° 7	4° 9	8° 0	12°47	18°10	13°24	18°12	16°55	16°53	13°42
S 11	3 20 47	18°45'49	15°41	9°41	6° 5	11°52	4° 1	7°58	12°45	18°11	13°23	18°D11	16°52	17° 0	13°40
S 12	3 24 44	19°46'19	29°25	11°17	5°42	12°36	3°53	7°56	12°43	18°11	13°22	18°11	16°49	17° 7	13°38
M13	3 28 41	20°46'50	13♁28	12°54	5°16	13°21	3°46	7°53	12°41	18°11	13°22	18°12	16°46	17°13	13°36
T 14	3 32 37	21°47'22	27°51	14°30	4°49	14° 6	3°39	7°51	12°40	18°12	13°21	18°14	16°43	17°20	13°34
W15	3 36 34	22°47'56	12°Y31	16° 6	4°20	14°50	3°31	7°48	12°38	18°12	13°20	18°R15	16°40	17°27	13°32
T 16	3 40 30	23°48'30	27°24	17°41	3°49	15°35	3°24	7°45	12°36	18°13	13°19	18°15	16°36	17°33	13°30
F 17	3 44 27	24°49'07	12♁23	19°17	3°17	16°20	3°17	7°42	12°35	18°14	13°19	18°13	16°33	17°40	13°28
S 18	3 48 23	25°49'44	27°19	20°52	2°43	17° 5	3°10	7°39	12°33	18°14	13°18	18° 9	16°30	17°47	13°26
S 19	3 52 20	26°50'23	12♁ 4	22°28	2° 8	17°50	3° 3	7°36	12°32	18°15	13°17	18° 4	16°27	17°53	13°24
M20	3 56 16	27°51'04	26°31	24° 3	1°33	18°35	2°56	7°33	12°30	18°15	13°16	17°57	16°24	18° 0	13°22
T 21	4 0 13	28°51'46	10♁33	25°38	0°57	19°20	2°50	7°30	12°29	18°16	13°15	17°51	16°21	18° 7	13°20
W22	4 4 10	29°52'29	24° 8	27°13	0°20	20° 5	2°43	7°27	12°27	18°17	13°15	17°45	16°17	18°13	13°18
T 23	4 8 6	0♁53'14	7♁16	28°47	29♁44	20°50	2°37	7°23	12°26	18°18	13°14	17°40	16°14	18°20	13°17
F 24	4 12 3	1°54'01	19°58	0♁22	29° 8	21°35	2°31	7°20	12°24	18°19	13°13	17°38	16°11	18°26	13°15
S 25	4 15 59	2°54'49	2♁19	1°56	28°32	22°20	2°25	7°16	12°23	18°19	13°12	17°D37	16° 8	18°33	13°13
S 26	4 19 56	3°55'38	14°24	3°31	27°56	23° 5	2°19	7°13	12°22	18°20	13°11	17°37	16° 5	18°40	13°12
M27	4 23 52	4°56'29	26°17	5° 5	27°22	23°51	2°13	7° 9	12°21	18°21	13°10	17°39	16° 1	18°46	13°10
T 28	4 27 49	5°57'21	8♁ 5	6°39	26°49	24°36	2° 8	7° 5	12°20	18°22	13° 9	17°40	15°58	18°53	13° 9
W29	4 31 45	6°58'15	19°51	8°14	26°17	25°22	2° 2	7° 1	12°18	18°23	13° 8	17°R40	15°55	19° 0	13° 8
T 30	4 35 42	7°59'10	1♁40	9♁48	25♁47	26♁ 7	1♁57	6♁57	12°Y17	18♁24	13♁ 7	17♁39	15♁52	19♁ 6	13°Y 6

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
W 1	14s26	5s 8	0s40	7s27	1n55	27s 8	5s33	21s44	0s40	11n58	1s27	22n24	0s50	4n33	0s41	15s46	0s22	21n38	1s10	7s19	6s51	6s23	6n54	1n27
T 2	14 45	8 39	0n25	8 5	1 50	27 4	5 30	21 53	0 41	11 55	1 26	22 24	0 50	4 32	0 41	15 46	0 22	21 38	1 10	7 19	6 49	6 25	6 53	1 27
F 3	15 4	11 50	1 30	8 44	1 46	27 0	5 26	22 1	0 41	11 52	1 26	22 24	0 50	4 31	0 41	15 46	0 22	21 38	1 10	7 18	6 48	6 27	6 52	1 27
S 4	15 22	14 33	2 30	9 23	1 41	26 55	5 21	22 9	0 42	11 50	1 26	22 24	0 50	4 30	0 41	15 46	0 22	21 38	1 10	7 17	6 47	6 29	6 51	1 27
S 5	15 41	16 39	3 25	10 1	1 35	26 48	5 16	22 17	0 42	11 47	1 26	22 24	0 50	4 29	0 41	15 46	0 22	21 38	1 10	7 16	6 46	6 30	6 50	1 27
M 6	15 59	18 2	4 11	10 40	1 30	26 41	5 10	22 25	0 43	11 45	1 26	22 24	0 50	4 29	0 41	15 46	0 22	21 39	1 10	7 15	6 44	6 32	6 49	1 27
T 7	16 17	18 35	4 45	11 19	1 24	26 33	5 4	22 32	0 43	11 42	1 26	22 24	0 49	4 28	0 41	15 46	0 22	21 39	1 10	7 13	6 43	6 34	6 47	1 27
W 8	16 35	18 13	5 7	11 57	1 18	26 24	4 57	22 39	0 44	11 40	1 26	22 25	0 49	4 27	0 41	15 46	0 22	21 39	1 10	7 11	6 42	6 36	6 46	1 27
T 9	16 52	16 56	5 14	12 35	1 11	26 13	4 49	22 46	0 44	11 37	1 26	22 25	0 49	4 26	0 41	15 46	0 22	21 39	1 10	7 10	6 41	6 37	6 45	1 26
F 10	17 9	14 44	5 4	13 12	1 5	26 2	4 41	22 53	0 45	11 35	1 25	22 25	0 49	4 26	0 41	15 46	0 22	21 39	1 10	7 9	6 40	6 39	6 44	1 26
S 11	17 26	11 43	4 38	13 49	0 58	25 49	4 32	23 0	0 45	11 32	1 25	22 25	0 49	4 25	0 41	15 45	0 22	21 39	1 10	7 8	6 38	6 41	6 43	1 26
S 12	17 42	8 0	3 56	14 26	0 52	25 36	4 23	23 6	0 46	11 30	1 25	22 25	0 49	4 24	0 41	15 45	0 22	21 39	1 10	7 9	6 37	6 42	6 43	1 26
M13	17 59	3 45	2 59	15 1	0 45	25 21	4 12	23 12	0 46	11 28	1 25	22 25	0 49	4 24	0 41	15 45	0 22	21 39	1 10	7 9	6 36	6 44	6 42	1 26
T 14	18 15	0n49	1 49	15 36	0 38	25 5	4 1	23 18	0 47	11 25	1 25	22 26	0 49	4 23	0 41	15 45	0 22	21 39	1 10	7 10	6 35	6 46	6 41	1 26
W15	18 30	5 26	0 31	16 11	0 31	24 49	3 50	23 24	0 47	11 23	1 25	22 26	0 49	4 22	0 41	15 45	0 22	21 39	1 9	7 10	6 33	6 48	6 40	1 26
T 16	18 45	9 47	0s50	16 45	0 24	24 31	3 38	23 29	0 47	11 21	1 24	22 26	0 49	4 22	0 41	15 45	0 22	21 40	1 9	7 10	6 32	6 49	6 39	1 26
F 17	19 0	13 33	2 8	17 18	0 18	24 12	3 25	23 34	0 48	11 19	1 24	22 26	0 49	4 21	0 41	15 45	0 22	21 40	1 9	7 9	6 31	6 51	6 38	1 25
S 18	19 15	16 24	3 17	17 50	0 11	23 52	3 12	23 39	0 48	11 16	1 24	22 26	0 49	4 21	0 41	15 44	0 22	21 40	1 9	7 8	6 30	6 53	6 37	1 25
S 19	19 29	18 7	4 12	18 21	0 4	23 32	2 58	23 44	0 49	11 14	1 24	22 27	0 49	4 20	0 41	15 44	0 22	21 40	1 9	7 6	6 29	6 55	6 36	1 25
M20	19 43	18 37	4 49	18 52	0s 3	23 11	2 44	23 48	0 49	11 12	1 24	22 27	0 49	4 19	0 41	15 44	0 22	21 40	1 9	7 3	6 27	6 56	6 35	1 25
T 21	19 56	17 57	5 8	19 21	0 10	22 49	2 30	23 52	0 50	11 10	1 23	22 27	0 49	4 19	0 41	15 44	0 22	21 40	1 9	7 1	6 26	6 58	6 35	1 25
W22	20 9	16 15	5 8	19 50	0 16	22 27	2 15	23 56	0 50	11 8	1 23	22 27	0 49	4 18	0 41	15 43	0 22	21 40	1 9	6 58	6 25	7 0	6 34	1 25
T 23	20 22	13 46	4 53	20 18	0 23	22 4	2 0	24 0	0 50	11 6	1 23	22 27	0 49	4 18	0 41	15 43	0 22	21 40	1 9	6 57	6 24	7 1	6 33	1 25
F 24	20 35	10 41	4 23	20 44	0 29	21 42	1 44	24 3	0 51	11 4	1 23	22 28	0 49	4 17	0 41	15 43	0 22	21 40	1 9	6 56	6 23	7 3	6 32	1 24
S 25	20 47	7 13	3 41	21 10	0 36	21 18	1 29	24 7	0 51	11 3	1 22	22 28	0 49	4 17	0 40	15 43	0 22	21 41	1 9	6 55	6 21	7 5	6 31	1 24
S 26	20 58	3 32	2 50	21 35	0 42	20 55	1 13	24 9	0 52	11 1	1 22	22 28	0 49	4 16	0 40	15 42	0 22	21 41	1 9	6 56	6 20	7 7	6 31	1 24
M27	21 9	0s15	1 53	21 58	0 48	20 32	0 58	24 12	0 52	10 59	1 22	22 29	0 49	4 16	0 40	15 42	0 22	21 41	1 9	6 56	6 19	7 8	6 30	1 24
T 28	21 20	4 0	0 52	22 21	0 54	20 10	0 42	24 15	0 52	10 57	1 22	22 29	0 49	4 16	0 40	15 42	0 22	21 41	1 9	6 57	6 18	7 10	6 29	1 24
W29	21 31	7 36	0n12	22 42	1 0	19 47	0 27	24 17	0 53	10 56	1 21	22 29	0 49	4 15	0 40	15 42	0 22	21 41	1 9	6 57	6 16	7 12	6 29	1 24
T 30																								

SWISS EPHEMERIS for the year 1679

DECEMBER 1679 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
F 1	4 39 39	9♂ 0'06	13♁37	11♂22	25°R19	26♂53	1°R52	6°R53	12°R16	18♁25	13°R 6	17°R36	15♁49	19♁13	13°R 5
S 2	4 43 35	10° 1'04	25°43	12°56	24♁52	27°38	1♁47	6♁49	12°Y15	18°26	13♁ 5	17♁30	15°46	19°20	13°Y 4
S 3	4 47 32	11° 2'02	8♂ 1	14°30	24°27	28°24	1°43	6°45	12°14	18°27	13° 4	17°21	15°42	19°26	13° 2
M 4	4 51 28	12° 3'02	20°32	16° 5	24° 5	29°10	1°38	6°41	12°13	18°29	13° 3	17°11	15°39	19°33	13° 1
T 5	4 55 25	13° 4'02	3♁15	17°39	23°45	29°56	1°34	6°36	12°13	18°30	13° 2	17° 1	15°36	19°40	13° 0
W 6	4 59 21	14° 5'03	16°11	19°13	23°27	0♁41	1°30	6°32	12°12	18°31	13° 1	16°50	15°33	19°46	12°59
T 7	5 3 18	15° 6'05	29°18	20°47	23°12	1°27	1°26	6°28	12°11	18°32	13° 0	16°41	15°30	19°53	12°58
F 8	5 7 14	16° 7'08	12♁38	22°22	22°58	2°13	1°22	6°23	12°10	18°33	12°59	16°34	15°26	20° 0	12°57
S 9	5 11 11	17° 8'10	26° 8	23°56	22°48	2°59	1°18	6°19	12°10	18°35	12°58	16°29	15°23	20° 6	12°56
S 10	5 15 8	18° 9'14	9♁51	25°31	22°40	3°45	1°15	6°14	12° 9	18°36	12°56	16°27	15°20	20°13	12°55
M11	5 19 4	19°10'18	23°45	27° 6	22°34	4°31	1°12	6° 9	12° 9	18°37	12°55	16°D27	15°17	20°19	12°55
T 12	5 23 1	20°11'22	7°Y51	28°40	22°31	5°17	1° 9	6° 5	12° 8	18°39	12°54	16°27	15°14	20°26	12°54
W13	5 26 57	21°12'26	22° 9	0♁15	22°D30	6° 3	1° 6	6° 0	12° 8	18°40	12°53	16°R28	15°11	20°33	12°53
T 14	5 30 54	22°13'31	6♁36	1°50	22°32	6°49	1° 3	5°55	12° 7	18°42	12°52	16°26	15° 7	20°39	12°53
F 15	5 34 50	23°14'36	21° 9	3°25	22°36	7°36	1° 1	5°51	12° 7	18°43	12°51	16°22	15° 4	20°46	12°52
S 16	5 38 47	24°15'42	5♁43	5° 0	22°42	8°22	0°59	5°46	12° 7	18°45	12°50	16°15	15° 1	20°53	12°52
S 17	5 42 43	25°16'48	20°11	6°35	22°51	9° 8	0°57	5°41	12° 6	18°46	12°48	16° 5	14°58	20°59	12°51
M18	5 46 40	26°17'54	4♁26	8° 9	23° 2	9°55	0°55	5°36	12° 6	18°48	12°47	15°54	14°55	21° 6	12°51
T 19	5 50 37	27°19'01	18°22	9°44	23°15	10°41	0°54	5°31	12° 6	18°49	12°46	15°42	14°52	21°13	12°51
W20	5 54 33	28°20'08	1♁56	11°19	23°31	11°27	0°52	5°26	12° 6	18°51	12°45	15°31	14°48	21°19	12°50
T 21	5 58 30	29°21'16	15° 5	12°53	23°48	12°14	0°51	5°22	12°D 6	18°52	12°43	15°21	14°45	21°26	12°50
F 22	6 2 26	0♁22'24	27°50	14°27	24° 8	13° 0	0°50	5°17	12° 6	18°54	12°42	15°14	14°42	21°33	12°50
S 23	6 6 23	1°23'33	10♁14	16° 0	24°29	13°47	0°49	5°12	12° 6	18°56	12°41	15°10	14°39	21°39	12°50
S 24	6 10 19	2°24'42	22°21	17°33	24°52	14°33	0°49	5° 7	12° 6	18°57	12°40	15° 8	14°36	21°46	12°D50
M25	6 14 16	3°25'52	4♁16	19° 5	25°18	15°20	0°49	5° 2	12° 6	18°59	12°39	15°D 8	14°32	21°53	12°50
T 26	6 18 12	4°27'02	16° 4	20°37	25°45	16° 7	0°D49	4°57	12° 7	19° 1	12°37	15°R 8	14°29	21°59	12°50
W27	6 22 9	5°28'12	27°51	22° 7	26°13	16°53	0°49	4°52	12° 7	19° 3	12°36	15° 7	14°26	22° 6	12°50
T 28	6 26 6	6°29'23	9♁43	23°35	26°43	17°40	0°49	4°47	12° 7	19° 4	12°35	15° 5	14°23	22°12	12°50
F 29	6 30 2	7°30'34	21°44	25° 2	27°15	18°27	0°49	4°42	12° 7	19° 6	12°34	15° 0	14°20	22°19	12°51
S 30	6 33 59	8°31'46	3♁58	26°27	27°48	19°13	0°50	4°37	12° 8	19° 8	12°32	14°52	14°17	22°26	12°51
S 31	6 37 55	9♁32'57	16♁28	27♁49	28♁23	20♁ 0	0♁51	4♁32	12°Y 8	19♁10	12♁31	14♁42	14♁13	22♁32	12°Y51

Day	☉		☽		♀		♁		♂		♃		♅		♁		♁		♁		♁			
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat		
F 1	21s50	13s48	2n15	23s22	1s12	19s 4	0n 4	24s20	0s54	10n53	1s21	22n29	0s49	4n14	0s40	15s41	0s22	21n41	1s 9	6s55	6s14	7s15	6n27	1n23
S 2	21 59 16	8 3 10	23 40	1 17 18	43 0	19 24	21 0	54 10	51 1	21 22	29 0	48 4	14 0	40 15	41 0	22 21	42 1	9 6	53 6	13 7	17 6	27 1	23 6	
S 3	22 8 17	47 3 57	23 56	1 22 18	23 0	33 24	22 0	54 10	50 1	20 22	30 0	48 4	14 0	40 15	40 0	22 21	42 1	9 6	50 6	11 7	18 6	26 1	23 6	
M 4	22 16 18	36 4 33	24 12	1 27 18	4 0	47 24	23 0	55 10	49 1	20 22	30 0	48 4	13 0	40 15	40 0	22 21	42 1	9 6	46 6	10 7	20 6	25 1	23 6	
T 5	22 24 18	30 4 56	24 26	1 32 17	45 1	1 24	24 0	55 10	47 1	20 22	31 0	48 4	13 0	40 15	39 0	22 21	42 1	9 6	42 6	9 7	22 6	25 1	23 6	
W 6	22 32 17	27 5 5	24 39	1 37 17	28 1	14 24	24 0	55 10	46 1	19 22	31 0	48 4	13 0	40 15	39 0	22 21	42 1	9 6	38 6	8 7	24 6	24 1	23 6	
T 7	22 39 15	28 4 58	24 51	1 41 17	12 1	27 24	24 0	56 10	45 1	19 22	31 0	48 4	13 0	40 15	39 0	22 21	42 1	9 6	34 6	7 7	25 6	24 1	23 6	
F 8	22 45 12	39 4 34	25 1	1 46 16	56 1	40 24	24 0	56 10	44 1	19 22	31 0	48 4	12 0	40 15	38 0	22 21	42 1	8 6	31 6	5 7	27 6	23 1	22 6	
S 9	22 51 9	8 3 55	25 10	1 50 16	42 1	52 24	23 0	56 10	43 1	19 22	32 0	48 4	12 0	40 15	38 0	22 21	43 1	8 6	30 6	4 7	29 6	23 1	22 6	
S 10	22 57 5	4 3 3	25 17	1 53 16	29 2	3 24	22 0	57 10	42 1	18 22	32 0	48 4	12 0	40 15	38 0	22 21	43 1	8 6	29 6	3 7	30 6	22 1	22 6	
M11	23 2 0	41 1 58	25 23	1 57 16	17 2	14 24	21 0	57 10	41 1	18 22	32 0	48 4	12 0	40 15	37 0	22 21	43 1	8 6	29 6	2 7	32 6	22 1	22 6	
T 12	23 7 3	3n49	0 46	2 0 16	6 2	2 24	24 0	57 10	41 1	18 22	33 0	48 4	12 0	40 15	37 0	22 21	43 1	8 6	29 6	0 7	34 6	21 1	22 6	
W13	23 11 8	10 0s30	25 31	2 3 15	56 2	3 15	24 18	0 58	10 40	1 17	22 33	0 48	4 11	0 40	15 36	0 22	21 43	1 8	6 29	5 59	7 35	6 21	1 22 6	
T 14	23 15 12	5 1 45	25 33	2 5 15	47 2	4 24	24 16	0 58	10 39	1 17	22 33	0 48	4 11	0 40	15 36	0 22	21 43	1 8	6 28	5 58	7 37	6 21	1 21 6	
F 15	23 18 15	17 2 54	25 33	2 7 15	40 2	5 24	24 14	0 58	10 39	1 17	22 33	0 48	4 11	0 40	15 35	0 22	21 44	1 8	6 27	5 57	7 39	6 20	1 21 6	
S 16	23 21 17	31 3 51	25 32	2 9 15	33 3	1 24	24 11	0 59	10 38	1 16	22 34	0 47	4 11	0 40	15 35	0 22	21 44	1 8	6 24	5 56	7 40	6 20	1 21 6	
S 17	23 24 18	35 4 32	25 29	2 11 15	28 3	9 24	8 0	59 10	38 1	16 22	34 0	47 4	11 0	40 15	34 0	22 21	44 1	8 6	20 5	54 7	42 6	20 1	21 6	
M18	23 26 18	28 4 56	25 25	2 12 15	23 3	17 24	5 0	59 10	38 1	16 22	34 0	47 4	11 0	40 15	34 0	22 21	44 1	8 6	16 5	53 7	44 6	19 1	21 6	
T 19	23 27 17	14 5 2	25 19	2 12 15	20 3	24 24	2 0	59 10	37 1	16 22	35 0	47 4	11 0	40 15	33 0	22 21	44 1	8 6	11 5	52 7	46 6	19 1	21 6	
W20	23 28 15	3 4 50	25 11	2 12 15	17 3	30 23	58 1	0 10	37 1	15 22	35 0	47 4	11 0	40 15	33 0	22 21	44 1	8 6	7 5	51 7	47 6	19 1	21 6	
T 21	23 29 12	9 4 23	25 2	2 12 15	15 3	36 23	55 1	0 10	37 1	15 22	35 0	47 4	11 0	40 15	32 0	22 21	45 1	8 6	3 5	49 7	49 6	19 1	20 6	
F 22	23 29 8	45 3 43	24 52	2 11 15	15 3	42 23	50 1	0 10	37 1	15 22	35 0	47 4	11 0	39 15	32 0	22 21	45 1	8 6	1 5	48 7	51 6	19 1	20 6	
S 23	23 28 5	3 2 54	24 40	2 9 15	15 3	47 23	46 1	0 10	37 1	14 22	36 0	47 4	11 0	39 15	31 0	22 21	45 1	8 5	59 5	47 7	52 6	18 1	20 6	
S 24	23 27 1	14 1 58	24 26	2 7 15	15 3																			